GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

UCD MEDICAL CENTER

UC DAVIS HEALTH

2315 STOCKTON BLVD, SACRAMENTO, CA 95817

DAVIS TOWER #0711 & 0762 PHARMACY REMODEL UCDH PROJECT No. 9558910 SUB 05

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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HY ARCHITECTS PROJECT #: 5938

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THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
2	OWNER REVISIONS	09/16/2024
3	BACKCHECK 2	12/13/2025
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

HCAI COMPLIANCE

1. ALL ADDENDA TO BE SIGNED BY ARCHITECT AND RESPONSIBLE CONSULTANTS, PRIOR TO SUBMITTING FOR APPROVAL BY **HCAI**
2. ALL CHANGE ORDERS TO BE SIGNED BY OWNER, ARCHITECT, AND CONTRACTOR BEFORE SUBMITTING FOR APPROVAL BY **HCAI**
3. ALL WORK IS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF **TITLE 8-SECTION 5208** ASBESTOS REGULATIONS, **TITLE 19**, AND **TITLE 24** OF CALIFORNIA CODES OF REGULATIONS; GOVERNING LOCAL FIRE CODES AND BUILDING CODES.
4. ALL WORK PERFORMED UNDER THIS CONTRACT IS TO CONFORM TO THE FOLLOWING CODES AND REGULATIONS:

CALIFORNIA CODES OF REGULATIONS:

TITLE 8	INDUSTRIAL RELATIONS
TITLE 16	PROFESSIONAL & VOCATIONAL REGULATIONS - SECTIONS 1713 - 1714, PHARMACY AND DIVISION T17, PART 6
TITLE 17	CHAPTER 5, SUBCHAPTER 4, AND PART 6, DIVISION T17, CHAPTER 5, SUBCHAPTER 4, RADIATION CONTROL REGULATIONS
TITLE 17	PUBLIC HEALTH
TITLE 19	PUBLIC SAFETY
TITLE 22	SOCIAL SECURITY - **DIVISION 5-LICENSING & CERTIFICATION**
TITLE 24	CALIFORNIA BUILDING CODES (CBSC)

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, CCR BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC)
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, CCR BASED ON THE 2020 NATIONAL ELECTRICAL CODE (NEC)
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, CCR BASED ON THE 2021 UNIFORM MECHANICAL CODE (UMC)
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, CCR BASED ON THE 2021 UNIFORM PLUMBING CODE (UPC)
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, CCR BASED ON THE 2021 INTERNATIONAL FIRE CODE (IFC)

ACCESSIBILITY: CBC CHAPTER 11B FOR ACCESSIBILITY TO PUBLIC BUILDINGS, PUBLIC ACCOMMODATIONS, COMMERCIAL BUILDINGS

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS:

NFPA 13	INSTALLATION OF SPRINKLER SYSTEMS	2022 EDITION
NFPA 14	INSTALLATION OF STANDPIPE SYSTEMS	2019 EDITION
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYS.	2021 EDITION
NFPA 17A	STANDARD FOR WET CHEMICAL SYS.	2021 EDITION
NFPA 20	INSTALLATION OF STATIONARY PUMPS	2019 EDITION
NFPA 24	INSTALLATION OF PRIVATE FIRE MAINS	2019 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE	2022 EDITION
NFPA 80	FIRE DOORS AND OTHER OPENING PROTECTIVES	2019 EDITION
NFPA 92	STANDARD FOR SMOKE CONTROL SYSTEMS	2018 EDITION
NFPA 99	HEALTH CARE FACILITIES CODE	2021 EDITION
NFPA 101	LIFE SAFETY CODE	2021 EDITION
NFPA 110	EMERGENCY AND STANDBY POWER SYSTEMS	2019 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYS	2019 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEM	2018 EDITION

THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IN FORCE ON THE DATE OF THE CONTRACT, UNLESS OTHERWISE STATED. NOTHING ON THE DRAWINGS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE

5. ALL NEW PIPES, DUCTS, AND CONDUITS SHALL BE BRACED & SUPPORTED PER THE REQUIREMENTS OF THE **2022 CBC**. OPM ACCEPTABLE FOR SUPPORT SHALL INCLUDE "MASON INDUSTRIES, INC." **OPM-0043-13** "SEISMIC RESTRAINT COMPONENTS FOR SUSPENDED UTILITIES" & "B-LINE/TOLCO" **OPM-0052-13** "SEISMIC BRACING AND SUPPORT SYSTEMS". LAYOUT DRAWINGS, SHOWING THE BRACING/SUPPORT LOCATIONS AND REFERENCES TO DETAILS FROM THE RELEVANT **HCAI** PRE-APPROVALS FOR PIPING/DUCTS/CONDUITS EXCEPT FIRE SPRINKLERS, NEED TO BE SUBMITTED FOR USE BY THE IOR AND **HCAI** FIELD STAFF. THE LAYOUT DRAWINGS NEED TO BE REVIEWED AND ACCEPTED BY THE AOR AND EOR (SE AND/OR ME/EE) PRIOR TO STARTING INSTALLATION OF THE BRACING/SUPPORT. IOR SHALL ENSURE THE ABOVE REQUIREMENTS ARE SATISFIED.
6. LUMBER GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOC. (WWPA) SHALL APPLY.
7. PLYWOOD SHALL CONFORM TO STANDARDS OF U.S. VOLUNTARY PRODUCT STANDARD **PS 1-09** (LATEST EDITION) GRADED AND GRADE MARKED SOFTWOOD PLYWOOD.
8. THE SPACING AND DETAILS OF THE SUPPORT AND BRACING OF FIRE SPRINKLER PIPING SHALL COMPLY WITH THE **NFPA 13** AS MODIFIED BY THE **2022 CBC** SECTIONS 1616A MODIFICATIONS TO ASCE 7 AND SFM AMENDMENTS. PROVIDE DETAILS AND CALCULATIONS FOR THE SWAY BRACING AND THEIR ANCHORAGES TO THE STRUCTURE. WHERE APPLICABLE, DETAILS FOR THE SUPPORTS, ATTACHMENTS AND BRACING MAY BE REFERRED TO AN **HCAI** PRE-APPROVAL OF MANUFACTURE'S CERTIFICATION (OPM). ALL LAYOUT DRAWINGS OF THE SPRINKLER SYSTEM SHALL BE SUBMITTED TO **HCAI** FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
9. THE INTENT OF THE CONSTRUCTION DOCUMENTS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING STANDARDS CODE (CBSC). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS, WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE SAID CBSC, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY **HCAI** BEFORE PROCEEDING WITH THE WORK.

   REFERENCE: 2022 CAC SECTIONS 7-109, & 2022 CBC SECTIONS 107 & 116.
10. EXPANSION ANCHORS IN HARDENED CONCRETE (HARD ROCK OR LIGHTWEIGHT) SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
11. ANCHORAGE AND SUPPORTS OF ALL EQUIPMENT TO BE INSTALLED, AS A PART OF THIS PROJECT SHALL BE DETAILED ON CONSTRUCTIONS DOCUMENTS, EXCEPT THOSE EXEMPT BY **2022 CBC** SECTION 1616A.1.18.

    EQUIPMENT SUPPORTS OF ALL ANCHORAGE SHALL BE APPROVED BY THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD AND **HCAI** AS A PART OF FIELD REVIEWS/OBSERVATIONS. THE INSPECTOR OF RECORD (IOR) SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.

    REFERENCE: **2022 CBC** SECTIONS 107 & 1616A
12. THE HOSPITAL SHALL PROVIDE FOR COMPETENT, ADEQUATE, AND CONTINUOUS INSPECTION BY ONE OR MORE INSPECTORS SATISFACTORY TO THE ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE OF THE WORK AND **HCAI**.
13. THE ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE SHALL ESTABLISH AND ADMINISTER THE TESTING PROGRAM. THE HOSPITAL SHALL SELECT A QUALIFIED PERSON OR TESTING LABORATORY AS THE TESTING AGENCY TO CONDUCT THE TESTS. THE SELECTED PERSON OR TESTING LABORATORY MUST BE APPROVED BY THE ARCHITECT OR ENGINEER. THE HOSPITAL SHALL PAY FOR ALL TESTS. REPORT OF TEST RESULT SHALL BE SUBMITTED TO **HCAI**, OWNER, ARCHITECT, AND STRUCTURAL ENGINEER.
14. EQUIPMENT SHALL BE APPROVABLE IF IT IS LISTED, LABELED OR CERTIFIED FOR ITS USE BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) AS RECOGNIZED BY THE U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
15. IN ACCORDANCE WITH **2022 CAC, SECTION 7-125(c)**, CHANGES TO THE DRAWINGS AND SPECIFICATIONS MADE AFTER THE FIRST SUBMISSION FOR APPROVAL (OTHER THAN CHANGES MADE IN COMPLIANCE WITH **HCAI** COMMENTS) MUST BE BROUGHT TO THE ATTENTION OF THE OFFICE IN WRITING OR BY SUBMISSION OF REVISED DRAWINGS IDENTIFYING THOSE CHANGES. FAILURE TO GIVE SUCH NOTICE VOIDS ANY SUBSEQUENT APPROVAL GIVEN TO THE DRAWINGS AND SPECIFICATIONS.
16. INSTALLATION OF POST INSTALLED ANCHORS:

    WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE-OR POST-TENSIONED) LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.

    REFERENCE: **2022 CBC** SECTION 1616A.1.19

OWNER

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EXISTING CONDITIONS

1. TYPE OF EXISTING CONSTRUCTION	:	TYPE I-A
2. NUMBER OF FLOORS	:	13 ABOVE GRADE
3. NUMBER OF BASEMENTS	:	1
4. FULLY SPRINKLERED BUILDING	:	YES
5. EXISTING OCCUPANCY GROUP	:	I-2, HOSPITAL
6. NEW OCCUPANCY GROUP	:	NO CHANGE
7. TOTAL BUILDING AREA	:	470,996 SQ FT
8. NPC RATING ((E) HOSPITAL)	:	4
9. SPC RATING ((E) HOSPITAL)	:	5S
10. YEAR BUILT	:	2001
11. HCAI FACILITY NUMBER	:	10619

PROJECT DESCRIPTION

SCOPE OF WORK:
RENOVATION OF PHARMACY DEPARTMENT AT BASEMENT LEVEL WITH NEW SUPPORT SPACES.

WORK WILL BE CARRIED OUT IN SEQUENCES TO MAINTAIN UNINTERRUPTED PHARMACY OPERATION AT ALL TIMES. PROJECT WILL ALSO UTILIZE EXISTING STORAGE #0761 TO FACILITATE TEMPORARY EQUIPMENT RELOCATION WHILE PROJECT IS IN CONSTRUCTION.

SCOPE WILL ALSO INCLUDE REMODEL OF MULTI-USER TOILETS ROOMS #0786 AND #0784 TO ADDRESS ACCESSIBILITY DEFICIENCIES AND MAKE COMPLIANT TO CURRENT CODE. ACD001

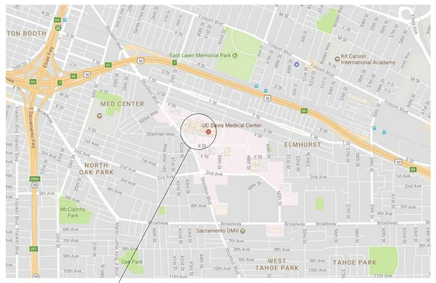
CENTRAL PHARMACY REMODEL
SCOPE INCLUDES DEMOLITION OF EXISTING SPACES WITHIN THE BASEMENT PHARMACY (EXCEPT FOR ROOMS #0711B, #0711D, #0711E, #0711F AND #0762H. PHARMACY REMODEL TO INCLUDE: RECEIVING AREA AND NON-STERILE COMPOUNDING ROOM, OFFICES, PHARMACY, KIT CHECK, GENERAL STORAGE, AND HALLWAY. NO STERILE COMPOUNDING ROOMS (UNDER USP797/800) IN THE SCOPE OF THIS PROJECT.

DEFERRED APPROVALS

NONE

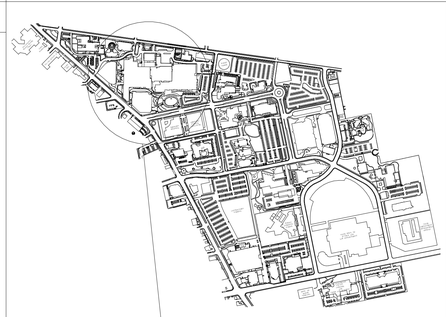
FIRE SAFETY DURING CONSTRUCTION, ALT, DEMO

LOCATION MAP - NO SCALE



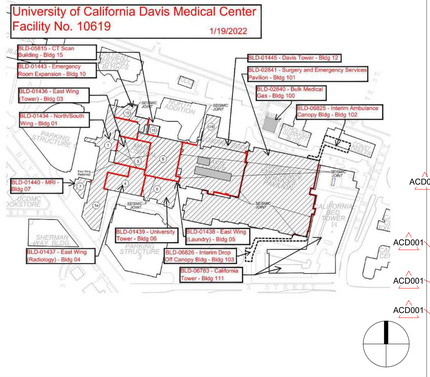
PROJECT LOCATION SEE MAP BELOW

SITE PLAN



SEE VICINITY MAP BELOW

VINICITY MAP - NO SCALE



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E2.07 ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 2 ACD001
E3.01 ENLARGED BASEMENT PLAN - PHASING LAYOUT - LIGHTING
E3.02 ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 1
E3.03 ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 1 ACD001
E3.04 ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 2
E3.05 ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 2 ACD001
E3.06 ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 2
E4.01 (E) PARTIAL ONE LINE DIAGRAM ACD001
E4.02 COORDINATION STUDY
E5.01 PANEL SCHEDULES - MAKE READY PHASE 1 & PHASE 2
E5.02 PANEL SCHEDULES - PHASE 1
E5.03 PANEL SCHEDULES - PHASE 1
E5.04 PANEL SCHEDULES - PHASE 2
E6.01 DETAILS
E6.02 DETAILS
E6.03 DETAILS
E6.04 DETAILS
E6.05 DETAILS
E6.06 DETAILS
E6.07 DETAILS

TELECOM
T0.01 ABBREVIATIONS, SYMBOLS, & SHEET INDEX
T1.01 OVERALL BASEMENT PLAN - TELECOM
T2.01 ENLARGED BASEMENT PLAN - PHASING PLAN - TELECOM
T2.02 ENLARGED BASEMENT PLAN - DEMO & NEW TELECOM - MAKE READY - PHASE 1
T2.03 ENLARGED BASEMENT PLAN - DEMO & NEW TELECOM - PHASE 1 ACD001
T2.04 ENLARGED BASEMENT PLAN - DEMO & NEW TELECOM - PHASE 1
T2.05 ENLARGED BASEMENT PLAN - DEMO & NEW TELECOM - PHASE 2
T2.06 ENLARGED BASEMENT PLAN - DEMO & NEW TELECOM - PHASE 2
T6.01 DETAILS ACD001
T6.02 DETAILS
T6.03 DETAILS
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FIRE ALARM
FA-001 COVER SHEET
FA-002 SEQUENCE OF OPERATIONS MATRIX
FA-100 OVERALL PHASING PLAN
FA-200 PARTIAL BASEMENT FLOOR PLAN MAKE READY - PHASE 1
FA-201A PARTIAL BASEMENT FLOOR PLAN PHASE 1 ACD001
FA-201B NOT USED
FA-202 PARTIAL BASEMENT FLOOR PLAN PHASE 2
FA-203 NOT USED
FA-300 DETAILS SHEET ACD001
FA-400 VOLTAGE DROPS AND BATTERY CALCULATIONS AND RISER DIAGRAM

SECURITY
SE0-00 SECURITY ELECTRONICS SYMBOLS LEGEND AND SHEET INDEX
SE1-00 SECURITY ELECTRONICS ENLARGED BASEMENT DEMO FLOOR PLAN
SE1-01 SECURITY ELECTRONICS ENLARGED PROPOSED FLOOR PLAN
SE1-02 SECURITY ELECTRONICS ENLARGED BASEMENT PROPOSED REFLECTIVE CEILING PLAN
SE3-01 SECURITY ELECTRONICS RISER & SCHEDULES
SE4-01 SECURITY ELECTRONICS DETAILS
SE4-02 SECURITY ELECTRONICS DETAILS
SE4-03 SECURITY ELECTRONICS DETAILS
SE4-04 SECURITY ELECTRONICS DETAILS

PER PIN NO. 8

HAZARDOUS MATERIALS INVENTORY STATEMENT

NOTE: ALL QUANTITIES ARE IN GALLONS U.O.N.

ROOM	COMMON/TRADE NAME	CHEMICAL NAME, COMPONENTS & CONCENTRATION	CATEGORY/HAZARD CLASS	CHEMICAL ABSTRACT SERVICE# CAS#	PHYSICAL STATE	QUANTITY IN USE/OPEN SYSTEM	QUANTITY IN USE/CLOSED SYSTEM	QUANTITY STORAGE	NO. & SIZE OF CONTAINER

Account No.:	9558910
HCAI No.:	S241013-34-00
Bldg. No.:	BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing:	DAVIS TOWER BASEMENT
Project:	DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title:	TITTLE SHEET

Arch.\Engr. KY	FD&C Job No. JOB NO.	SHEET NO. A0.01
UCDMC Project Mgr. AA	Scale: 1 : 9600	
Designed By: AU	Issue Date: 06/12/2024	
Drawn By: AU	Revit Version: 2025	

7/22/2025 1:20:24 PM C:\Users\aunod\Documents\5938 UCDH Central Pharmacy_Central_R25-REVISED SCOPE_aunoJDA58.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING CODES LISTED IN "APPLICABLE CODES" AND ALL GOVERNING LOCAL CODES AND REGULATIONS.
2. THE OWNER / ARCHITECT HAVE OBTAINED APPROVAL OF THE PRIMARY AUTHORITY HAVING JURISDICTION (DSA, HCAI, CITY BUILDING PERMIT). CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL OTHER REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. UNLESS STATED OTHERWISE IN THE SPECIFICATIONS, SPECIAL INSPECTION IS REQUIRED FOR SHOP AND FIELD STRUCTURAL WELDING.
4. WHERE INCORPORATED IN THE CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF HCAI OR DSA PRE-APPROVALS FOR PRE-APPROVED ITEMS OR SYSTEMS INCORPORATED INTO THE CONSTRUCTION AND DISTRIBUTE TO OWNER'S REPRESENTATIVE, ARCHITECT AND INSPECTOR.
5. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FURNISH AND AND INSTALL ALL MATERIALS AND WORK DESCRIBED, DEPICTED OR DETAILED WITHIN THESE DOCUMENTS REGARDLESS OF THE LOCATION OF THAT MATERIAL OR WORK WITHIN THE DOCUMENTS OR OMISSION (WHETHER DELIBERATE OR ACCIDENTAL) OF THAT MATERIAL OR WORK BY A SUBCONTRACTOR ON HIS/HER BID.
6. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONSIDER THESE DOCUMENTS IN THEIR ENTIRETY. DISCREPANCIES OR CONTRADICTIONS BETWEEN PORTIONS OF THESE DOCUMENTS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AT LEAST 72 HOURS PRIOR TO BID OPENING FOR CLARIFICATION. OTHERWISE, THE MOST RESTRICTIVE REQUIREMENT SHALL BE IN FORCE AT NO ADDITIONAL COST TO THE OWNER.
7. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. CONTRACTOR ESTABLISH PROCEDURES TO ASSURE ALL PERSONS ENTERING A POSSIBLY HAZARDOUS AREA, INCLUDING WORKERS, SUBCONTRACTORS, OTHER CONTRACTORS, VISTORS, AND OTHERS ARE AWARE OF APPROPRIATE / REQUIRED SAFETY PROCEDURES. COMPLY WITH LOCAL, STATE, AND FEDERAL SAFETY STANDARDS, INCLUDING OSHA REQUIREMENTS AND WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA.
8. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING TEMPORARY FENCING AND GATES, SIGNAGE, SECURITY LIGHTING OR OTHER SECURITY AND CONTROL MEASURES NECESSARY TO PROVIDE FOR THE SAFETY OF THE PUBLIC AND FACILITY USERS UNTIL THE COMPLETION OF THE WORK.
9. THE CONTRACTOR IS RESPONSIBLE TO FOR PROTECTION OF ADJACENT PROPERTY AND SHALL REPAIR AND / OR REPLACE ALL PROPERTY DAMAGED DURING THE COURSE ON THE WORK.
10. THE CONTRACTOR SHALL LIMIT HIS / HER ACTIVITY TO THE AREA DESCRIBED WITHIN THE DOCUMENTS UNLESS OTHERWISE PERMITTED BY THE OWNER'S REPRESENTATIVE.
11. THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY ITEMS DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK. INSTALLATION SHALL MATCH EXISTING IN KIND, QUALITY, AND PERFORMANCE.
12. WHERE EXISTING CONSTRUCTION AND FINISHES ARE CUT, DAMAGED, OR REMODELED, PATCH WITH MATERIALS TO MATCH IN KIND, QUALITY, PERFORMANCE CHARACTERISTICS, AND APPEARANCE.
13. ALL DIMENSIONS ARE TO FACE OF STUD, UNLESS OTHERWISE NOTED. DIMENSIONS NOTED AS "CLR" MEAN CLEAR DIMENSION TO FACE OF FINISH. VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND.
14. VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND. VERIFY DIMENSIONS OF ALL OWNER-FURNISHED ITEMS, INCLUDING FURNITURE AND EQUIPMENT, TO ENSURE PROPER COORDINATION WITH CONSTRUCTION.
15. ALL ITEMS IN THESE DRAWINGS ARE NEW UNLESS OTHERWISE NOTED.
16. ALL UTILITIES REQUIRED FOR THE CONTINUOUS OPERATION OF ALL OCCUPIED EXISTING FACILITIES SHALL BE MAINTAINED IN SERVICE AT ALL TIMES. ANY SHUT DOWNS FOR NEW CONNECTIONS MUST BE COORDINATED WITH THE OWNER'S REPRESENTATIVE TWO WEEKS PRIOR TO THE REQUESTED SHUT DOWN.
17. COORDINATION WITH OTHER CONTRACTS: IF ANY PART OF THIS CONTRACTOR'S WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL INSPECT SUCH OTHER WORK AND PROMPTLY REPORT IN WRITING TO THE OWNER'S REPRESENTATIVE ANY DEFECTS IN SUCH OTHER WORK THAT RENDER IT UNSUITABLE TO RECEIVE THE WORK OF THIS CONTRACTOR. FAILURE OF THIS CONTRACTOR TO SO INSPECT AND REPORT SHALL CONSTITUTE AN ACCEPTANCE OF THE OTHER CONTRACTOR'S WORK, EXCEPT AS TO DEFECTS WHICH MAY DEVELOP IN OTHER CONTRACTOR'S WORK AFTER EXECUTION OF THIS CONTRACTOR'S WORK.
18. COORDINATION OF SCHEDULE: PORTIONS OF THIS WORK MAY BE REQUIRED TO BE COMPLETED ON SCHEDULE IN ORDER TO AVOID DELAY TO OTHER CONTRACTORS OR OWNERS OPERATIONS. CONTRACTOR SHALL STRICTLY ADHER TO ESTABLISHED COMPLETION DATES AS DESIGNATED IN THE SPECIFICATIONS AND COORDINATE WORK SCHEDULE WITH THE OWNER'S REPRESENTATIVE AND OTHER CONTRACTORS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND LIQUIDATED DAMAGES.
19. SCHEDULE ALL WORK WITH THE OWNER'S REPRESENTATIVE, INCLUDING CONSTRUCTION ACCESS AND STORAGE, AND WORK OUTSIDE THE "EXTENT OF WORK" SET FORTH IN THESE DOCUMENTS. THE CONSTRUCTION SCHEDULE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
20. CONSTRUCTION PROCEDURES SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
21. DEMOLITION IS NOT NECESSARILY LIMITED TO ONLY WHAT IS SHOWN ON THIS OR OTHER DRAWINGS OR AS OUTLINED IN THE SPECIFICATIONS. THE INTENT IS TO INDICATE GENERAL SCOPE OF DEMOLITION REQUIRED. CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS DEMOLITON, CUTTING AND PATCHING REQUIRED TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
22. ALL ITEMS IDENTIFIED TO BE SALVAGED SHALL BE DELIVERED IN GOOD CONDITION TO A PLACE OF STORAGE AS DIRECTED BY THE OWNER'S REPRESENTATIVE. ALL OTHER ITEMS MUST BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.
23. ARCHITECT IS NOT RESPONSIBLE FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO, HAZARDOUS MATERIALS OR TOXIC SUBSTANCES IN ANY FORM AT THE PROJECT SITE. TO THE EXTENT THESE DOCUMENTS RELATE TO SUCH ISSUES, ARCHITECT'S PARTICIPATION IS SOLELY ADMINISTRATIVE WITHOUT ANY RESPONSIBILITY FOR THE CONTENT OR EXECUTION OF SUCH DOCUMENTS.
24. DETAIL DRAWINGS WITH REFERENCES TO FIRE-RATED ASSEMBLIES OR CONSTRUCTION WHICH HAVE BEEN TESTED BY UNDERWRITERS LABORATORIES, THE CALIFORNIA BUILDING CODE OR ANY OTHER APPROVED TESTING AGENCY, SHALL BE CONSTRUED TO INCLUDE ALL WORK AND PROCEDURES CONTAINED IN THE REFERENCED ASSEMBLY DESCRIPTION..
25. ALL PIPE AND DUCT PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE FIRE STOPPED AND SEALED TO MAINTAIN THE REQUIRED RATING.
26. CONTRACTOR TO MAINTAIN CONTEMPORANEOUSLY RECORDED "AS-BUILT" INFORMATION OF ALL WORK, WHICH SHALL BE MARKED IN COLOR ON THE DRAWINGS AND SPECIFICATIONS. A SCANNED PDF OF THE "AS-BUILT" DRAWINGS AND SPECIFICATIONS SHALL BE TURNED OVER TO THE OWNER'S REPRESENTATIVE PRIOR TO FINAL APPLICATION FOR PAYMENT. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
27. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION AND DUST COVERS ADJACENT TO OCCUPIED AREAS AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN CONSTRUCTION AREA. BROOM CLEAN ALL AREAS, INLCUDING SIDEWALKS AND DRIVEWAYS EACH DAY. KEEP DIRT AND DUST TO A MINIMUM.
28. WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO PUBLIC AND TO OCCUPANTS OF EXISTING BUILDING.
29. CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION.

ABBREVIATIONS

&	AND
@	AT
℄	CENTERLINE
Ø	DIAMETER
#	POUND OR NUMBER
A/C	AIR CONDITIONING
AC	ASPHALTIC CONCRETE
ACOUS	ACOUSTICAL
ACT	ACOUSTIC CEILING TILE
ADD	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINIUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BITUM	BITUMINOUS
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BOT	BOTTOM
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
CAB	CABINET
CB	CATCH BASIN
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CG	CORNER GUARD
CJ	CONTROL JOINT
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
COMP	COMPOSITION
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CT	CERAMIC TILE
CUST	CUSTODIAN
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DI	DRAIN OR DROP INLET
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DN	DOWN
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
(E)	EXISTING
E	EAST
EA	EACH
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENCL	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPMENT
EVA	EMERGENCY VEHICLE ACCESS
EWC	ELECTRICAL WATER COOLER
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FIN	FINISH
FLR	FLOOR
FO	FACE OF
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUD
FRP	FIBERGLASS REINFORCED PANEL
FT	FOOT OR FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GSM	GALVANIZED WHEET METAL
GYP	GYPSUM
HB	HOSE BIB
HC	HOLLOW CORE
HD	HEAD
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JT	JOINT
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LBS	POUNDS
LT	LIGHT
MAX	MAXIMUM
MB	MACHINE BOLT
MDF	MEDIUM DENSITY FIREBOARD
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOD	MODULAR
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MUL	MULLION
(N)	NEW
N/A	NOT APPLICABLE
N	NORTH
NIC	NOT IN CONTRACT
NO or #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/	OVER
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OPP	OPPOSITE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PR	PAIR
PTD	PAPER TOWEL DISPENSER
PVC	POLYVINYL CHLORIDE
(R)	RELOCATE
RB	RESILIENT OR RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCED
REQ	REQUIRED
RF	RESILIENT FLOORING
RM	ROOM
RO	ROUGH OPENING
RWL	RAIN WATER LEADER
S	SOUTH
SC	SOLID CORE
SCD	SEE CIVIL DRAWINGS
SCHED	SCHEDULE
SD	SOAP DISPENSER
SED	SEE ELECTRICAL DRAWINGS
SF	SQUARE FEET
SFFD	SEE FURNITURE DRAWINGS
SFPD	SEE FIRE PROTECTION DRAWINGS
SHT	SHEET
SIM	SIMILAR
SLD	SEE LANDSCAPE DRAWINGS
SMD	SEE MECHANICAL DRAWINGS
SMS	SHEET METAL SCREW
SND	SANITARY NAPKIN DISPENSER
SPD	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SQ	SQUARE
SQD	SEE EQUIPMENT DRAWINGS
SS	STAINLESS STEEL
SSD	SEE STRUCTURAL DRAWINGS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPEND
TEL	TELEPHONE
TEMP	TEMPORARY
THK	THICK
T.O.	TOP OF
TOC	TOP OF CURB
TOP	TOP OF PARAPET
TOS	TOP OF SLAB
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W	WEST
w/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER

SYMBOLS

GRID LINE

BUILDING ELEVATION
- ELEVATION IDENTIFICATION
- SHEET WHERE ELEVATION IS SHOWN

BUILDING OR WALL SECTION
- SECTION IDENTIFICATION
- SHEET WHERE SECTION IS SHOWN

DETAIL
- DETAIL IDENTIFICATION
- SHEET WHERE DETAIL IS SHOWN

INTERIOR ELEVATION(S)
- DETAIL NO. OF ELEVATION
- NO ARROWS MEAN ELEVATION NOT SHOWN
- SHEET WHERE ELEVATION IS SHOWN
- ELEVATION IDENTIFICATION

WORK POINT, CONTROL POINT OR DATUM POINT

REVISIONS
- REVISION NUMBER, SEE REVISION SCHEDULE ON TITLE BLOCK
- AREA OF REVISION

ROOM IDENTIFICATION
- ROOM NAME
- KAISER ROOM CODE NAME
- ROOM NUMBER
- CEILING HEIGHT (OTHER THAN EXISTING OR 8'-0" A.F.F.)

KEYNOTE TAG
- REFER TO KEYNOTE LIST LOCATED ON PLAN SHEETS

AREA OF NO WORK

DOOR TAG (SEE DOOR SCHEDULE)
- DOOR MARK
- HARDWARE GROUP

DOOR MARK

(E) DOOR TO REMAIN

(E) DOOR TO BE REMOVED

(N) DOOR & DOOR FRAME

WALL TAG
- WALL TYPE - REFER TO DRAWING SHEET A9.01

WINDOW TAG (SEE WINDOW SCHEDULE)
- WINDOW MARK

TYPE / W H D / COMMENTS — INDICATES CASEWORK TYPE, DIMENSIONS & SPECIALTY HARDWARE. REFER TO WI NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — KEN YAMAUCHI — C-26566 — 02-28-2025 RENEWAL DATE — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
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HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: SYMBOLS, LEGENDS AND ABBREVIATIONS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A0.02
UCDMC Project Mgr. Checker	Scale: 12" = 1'-0"	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2023	

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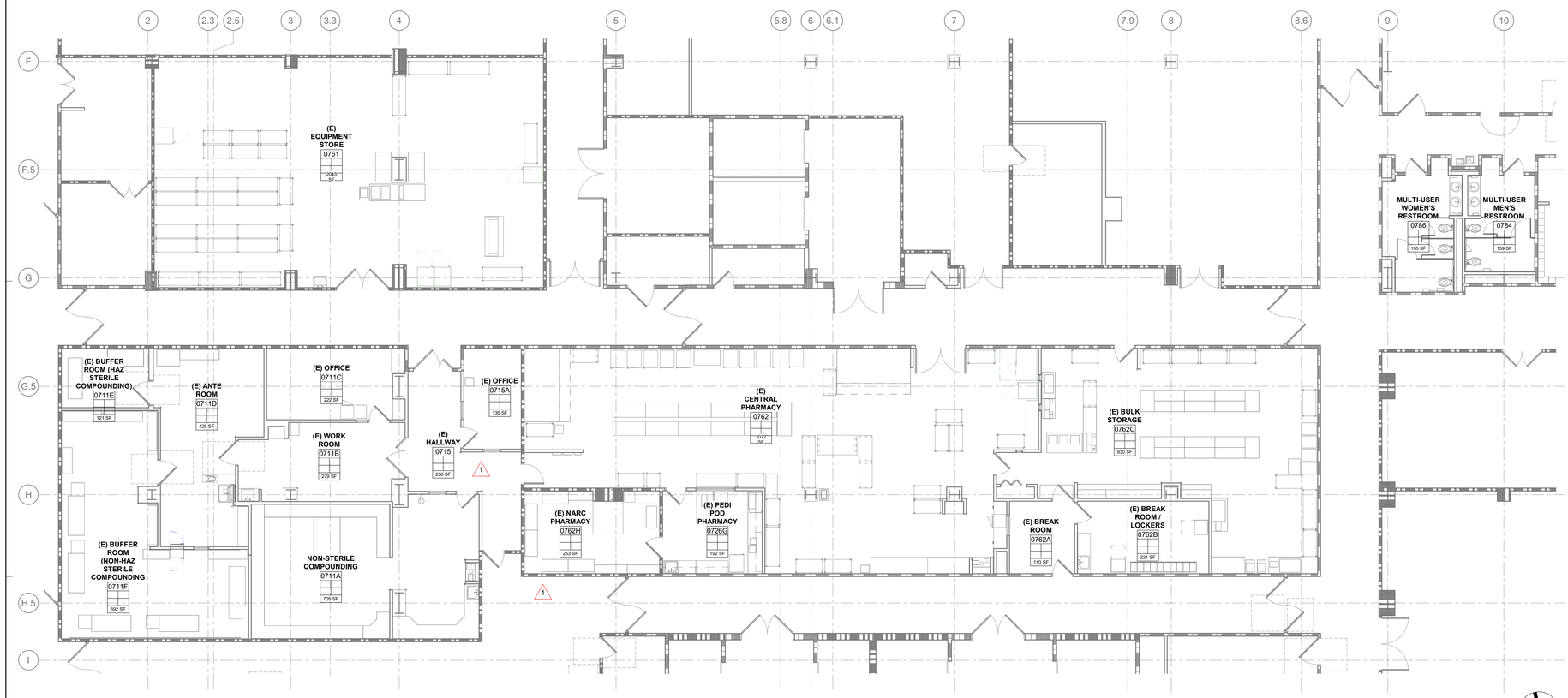
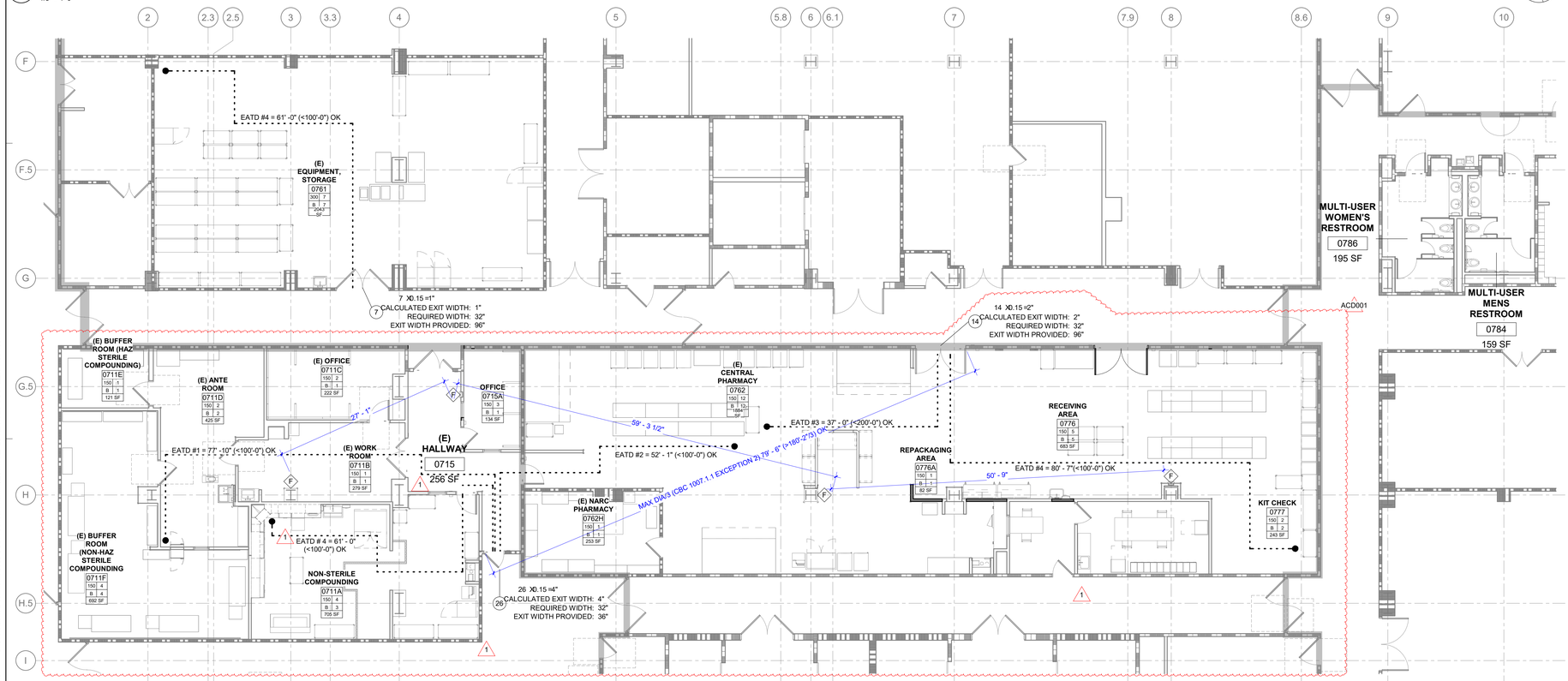
GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY



28 ENLARGED BASEMENT FLOOR PLAN - EXISTING LAYOUT

1/8" = 1'-0"



30 ENLARGED BASEMENT FLS FLOOR PLAN - REMODEL LAYOUT

1/8" = 1'-0"

PARTITION LEGEND

NOTE: FOR ANY PARTITION THAT IS NOT TAGGED ON THE PLAN, REFER TO ITS CORRESPONDING GRAPHIC IN THIS WALL LEGEND TO DETERMINE ITS TYPE

EXISTING WALL & PARTITION TYPES:

- (E) 1 HR. RATED FIRE PARTITION (CORRIDOR) W/ 20 MIN. PROTECTED OPENINGS.
- (E) 1 HR. RATED SMOKE BARRIER (UON W/ HIGHER RATING)
- (E) 2 HR. RATED FIRE BARRIER W/ 90 MIN. PROTECTED OPENINGS (OCCUPANCY SEPARATION).
- (E) 2 HR. RATED FIRE BARRIER SHAFT W/ 90 MIN. PROTECTED OPENINGS.
- (E) NON- RATED FIRE- RESISTIVE PARTITION (W/ UNPROTECTED OPENINGS) AND/ OR EXTERIOR WALL TO REMAIN.

TEMPORARY CONSTRUCTION BARRIERS TYPES:

- T — 1 HR RATED TEMPORARY CONSTRUCTION BARRIER W/ 20 MIN. PROTECTED OPENINGS. SEE DETAIL 5 / A9.02
  OPTION: STARCBLOCK TEMPORARY BARRIER, SSD FOR OPM
- VISQUEEN TEMPORARY CONSTRUCTION BARRIER

NEW WALL & PARTITION TYPES:

- D — NON-RATED FIRE-RESISTIVE PARTITION W/ UNPROTECTED OPENINGS, TYP UON, SEE 17 / A9.01

CODE COMPLIANCE LEGEND

CODE COMPLIANCE ROOM TAG

EXAM ROOM 210 | 100 | 2 | B | 1 | 150

- ROOM NAME
- ROOM NUMBER
- NUMBER OF OCCUPANTS
- NUMBER OF EXITS REQUIRED
- ROOM AREA SQ. FT.
- OCCUPANCY GROUP
- LOAD FACTOR

F — FIRE EXTINGUISHER (MAX TRAVEL = 75'-0")

EXIT AND EXIT ACCESS

- CPET (COMMON PATH OF EGRESS TRAVEL).
- EATD (EXIT ACCESS TRAVEL DISTANCE).
- MAX DIAGONAL DIMENSION OF AREA
- EXIT — EXIT FROM ACCESSIBLE PATH OF TRAVEL
- DEFEND-IN-PLACE REFUGE AREA

EXIT WIDTHS

EGRESS WIDTH PER OCCUPANT

100 x 0.2 = 20"
REQUIRED CAPACITY: 20"
REQUIRED WIDTH: 32"
EXIT WIDTH PROVIDED: 36"

100 * — SUM OF OCCUPANTS AT THIS LOCATION ALONG MEANS OF EGRESS
PANIC EXIT DEVICE REQUIRED

CODE ANALYSIS

OCCUPANCY TYPE:
B BUSINESS (CBC SECTION 304.1)

CONSTRUCTION TYPE:
I-A (CBC TABLE 503)

FIRE PROTECTION:
AUTOMATIC FIRE SPRINKLER SYSTEM (NFPA 13)

CBC TABLE 601
FIRE RESISTANCE RATINGS OF EXISTING BUILDING ELEMENTS
FIRE SPRINKLERS: FULLY SPRINKLED

- PRIMARY STRUCTURAL FRAME:	3 HOUR
- EXTERIOR NON-BEARING WALLS:	1 HOUR LESS THAN 40', 2 HOURS LESS THAN 20'
- INTERIOR NONBEARING WALLS AND PARTITIONS:	1 HOUR
- FLOOR CONSTRUCTION AND SECONDARY MEMBERS:	2 HOUR
- ROOF CONSTRUCTION AND SECONDARY MEMBERS:	2 HOUR
- EXIT STAIRWAYS:	2 HOUR
- CORRIDOR:	1 HOUR

AREA OF WORK = 8,996 SF

OCCUPANCY LOAD CALCULATION

FUNCTION OF SPACE	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
BUSINESS AREAS	5,723 SF	150 GROSS	39
STORAGE	2,043 SF	300 GROSS	7
		TOTAL OCCUPANT LOAD:	46

PLUMBING FIXTURE ANALYSIS

OCCUPANCY PLUMBING COUNTS (BASED ON 2022 CPC CHAPTER 422):

B OCCUPANCY	WATER CLOSETS	URINALS
EMPLOYEE USE :	1 — 4 MALE 5 FEMALE	2
REQUIRED WC : 1	2 MALE (2: 51-100) 4 FEMALE (4: 51-100) 1 MALE (1: 1-100) 1 FEMALE (1: 1-100)	-

SERVICABLE AREA : 11,236 SQ.FT *SEE SHEET A0.05 FOR SERVICABLE AREA
OCCUPANCY : B
OCC. LOAD FACTOR : 150
11236/150 = 74.91 (75)

SERVICABLE AREA : 12,803 SQ.FT *SEE SHEET A0.05 FOR SERVICABLE AREA
1 OCCUPANCY : S
OCC. LOAD FACTOR : 300
12803/300 = 42.68 (43)

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S24103-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEVIN YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wmn: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: FIRE LIFE SAFETY & CODE ANALYSIS PLAN - BASEMENT

Arch.\Engr.	FD&C Job No.	SHEET NO.
KY	JOB NO.	A0.03
UCDMC Project Mgr.	Scale:	
AA	As indicated	
Designed By:	Issue Date:	
AU	06/12/2024	
Drawn By:	Revit Version:	
AU	2025	

7/22/2025 12:08:57 PM C:\Users\aunc\Documents\5938 UCDH Central Pharmacy_Central_R25-REVISED SCOPE_aunc.DA58.rvt

GRAPHIC SCALES: 1/16" = 1'-0" (0 5' 50') | 1/8" = 1'-0" (0 5' 25') | 1/4" = 1'-0" (0 1' 12') | 1/2" = 1'-0" (0 1' 6') | 3/4" = 1'-0" (0 4') | 1" = 1'-0" (0 1' 3') | 1 1/2" = 1'-0" (0 2') | 3" = 1'-0" (0 1')

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

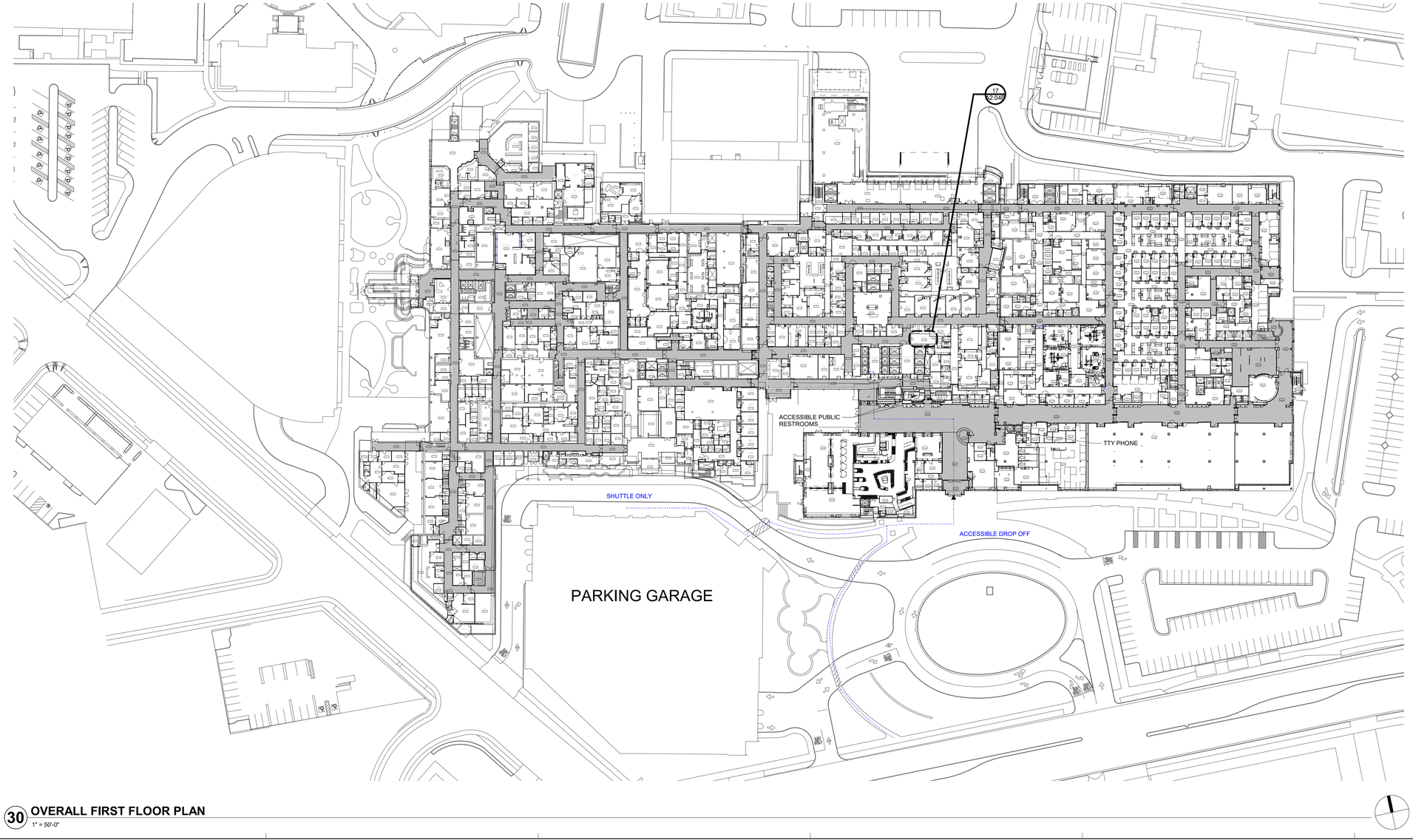
LEGEND

- ACCESSIBLE ROUTE SERVING AREA OF NEW WORK

  THE ACCESSIBLE ROUTE AS INDICATED ON PLAN IS A BARRIER FREE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX. SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX. AND AT LEAST 36" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 1:20 UNLESS OTHERWISE INDICATED. THE ACCESSIBLE ROUTE SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN., AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80".

  CONTRACTOR TO VERIFY ALL BARRIERS HAVE BEEN REMOVED AND COMPLIANCE WITH CBC 11B.

- ◀ ACCESSIBLE BUILDING ENTRANCE
- DF ACCESSIBLE HI-LO DRINKING FOUNTAIN
- (E) ONE HOUR-RATED COORIDOR



30 OVERALL FIRST FLOOR PLAN
1" = 50'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

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HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

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Account No.: 9558910
HCAi No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OVERALL ACCESSIBILITY FLOOR PLAN - FIRST FLOOR

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	A0.04
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2023	

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0 5' 50' GRAPHIC SCALES: 1/16" = 1'-0"

0 5' 25' 1/8" = 1'-0"

0 1' 12' 1/4" = 1'-0"

0 1' 6' 1/2" = 1'-0"

0 4' 3/4" = 1'-0"

0 1' 3' 1" = 1'-0"

0 2' 1 1/2" = 1'-0"

0 1' IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY 3" = 1'-0"

LEGEND

ACCESSIBLE ROUTE SERVING AREA OF NEW WORK

THE ACCESSIBLE ROUTE AS INDICATED ON PLAN IS A BARRIER FREE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX. SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX. AND AT LEAST 36" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 1:20 UNLESS OTHERWISE INDICATED. THE ACCESSIBLE ROUTE SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN., AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80".

CONTRACTOR TO VERIFY ALL BARRIERS HAVE BEEN REMOVED AND COMPLIANCE WITH CBC 11B.

ACCESSIBLE BUILDING ENTRANCE

DF ACCESSIBLE HI-LO DRINKING FOUNTAIN

(E) ONE HOUR-RATED COORIDOR

AREA NOT DEFINED AS DAVIS TOWER

13B 12B 11B 10B 9B 8B 7B 6B 2 2.3 2.5 3 3.3 4 5 5.8 6 6.1 7 7.9 8 8.6 9 10 11 12 13 14 15 16 17 18 19 19.9 20 21 22 22.6 22.8 23 24 24.2

A2 A B C D L1 E F F.5 G G.5 H H.5 I J K L M

28 A2.01

30 A2.03

30 A2.03

HI-LOW DRINKING FOUNTAINS

1 MULTI-USER STAFF TOILET ROOM TO BE MADE ACCESSIBILITY COMPLIANT BY THIS PROJECT ACD001

DF

30 OVERALL BASEMENT FLOOR PLAN

1/32" = 1'-0"

7/22/2025 12:08:59 PM C:\Users\launo\Documents\5938 UCDH Central Phamacy_Central_R25-REVISED SCOPE_launo.DA58.rvt

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT NEIL YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OVERALL ACCESSIBILITY FLOOR PLAN - BASEMENT

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A0.05
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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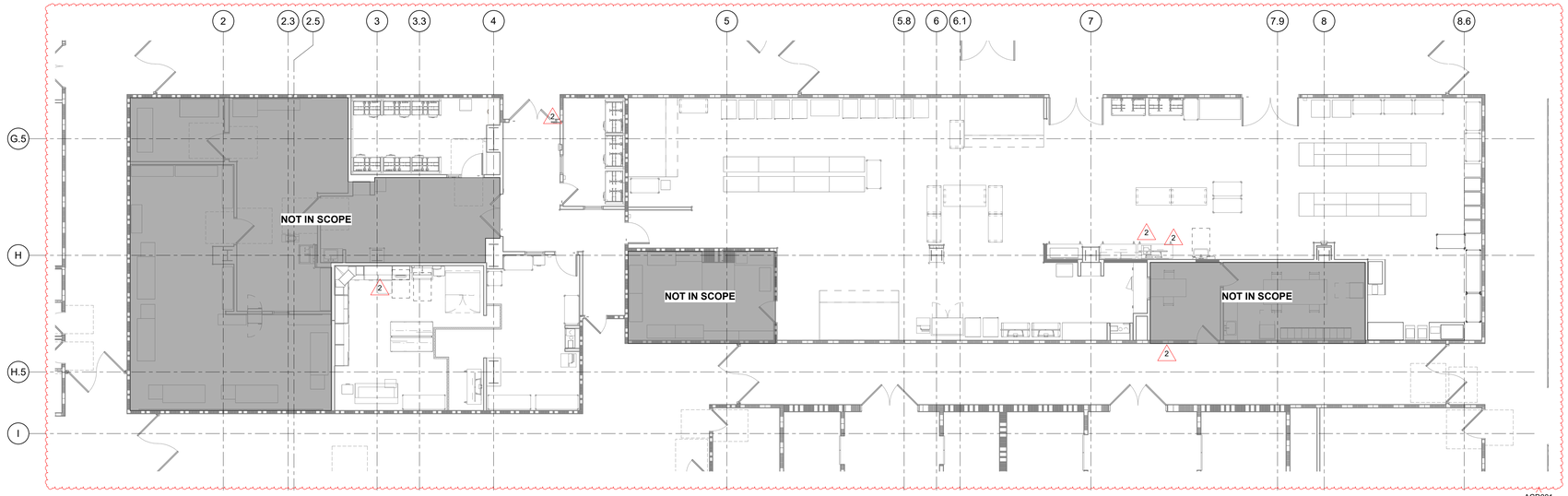
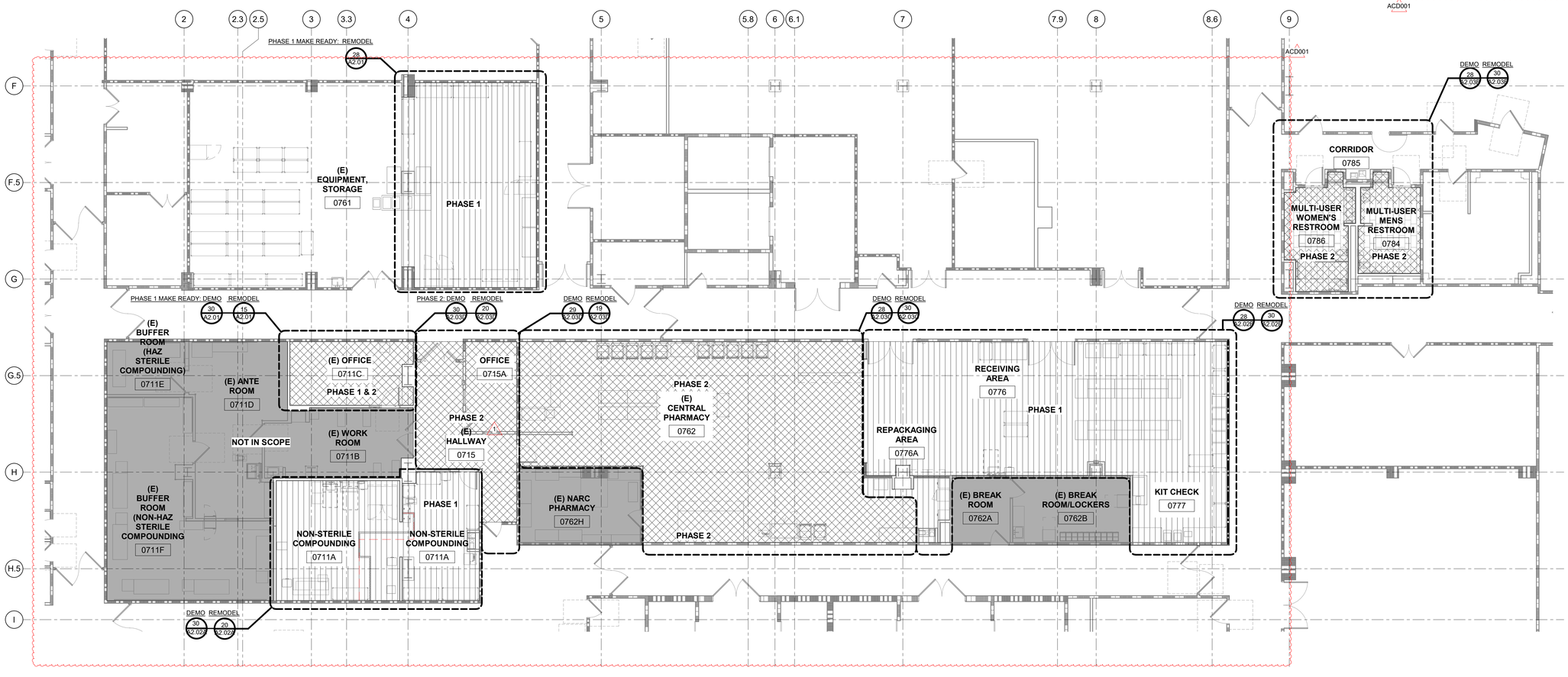


27 ENLARGED OVERALL FLOOR PLAN
1/8" = 1'-0"



30 OVERALL PHASING PLAN - BASEMENT
1/8" = 1'-0"

GENERAL NOTES

1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
2. ALL DIMENSIONS SHALL BE FACE OF STUD UON. DIMENSIONS NOTED AS "CLR" REFER TO CLEAR DIMENSION FROM FACE OF FINISH.
3. REFER TO Q, SG, S, M, P, FP, E, T, FA SE, FF, & I SERIES SHEETS FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO PROTECT IN PLACE OVERHEAD PAGING SYSTEM AND WIRELESS ACCESS DURING CONSTRUCTION.
5. TELECOMMUNICATION CABLING SHALL BE REMOVED BACK TO SERVICING TR AND REPLACED WITH UCDH STANDARD.
6. ALL PLAN ITEMS SHOWN ARE NEW UNLESS OTHERWISE INDICATED AS "(E)" OR "EXISTING".
7. (E) FIRE HORNS AND FIRE STROBES TO BE MAINTAINED AT ALL TIMES.
8. TEMPORARY BARRIERS LOCATED IN CORRIDORS ARE DIAGRAMATIC IN NATURE, CONTRACTOR CONSTRUCTION TO MEET ALL FIRE LIFE SAFETY CRITERIA AND GENERAL NOTE 7.
9. PATCH AND REPAIR (E) FIRE PROOFING IMPACTED BY DEMOLTION AND CONSTRUCTION.

PARTITION LEGEND

NOTE: FOR ANY PARTITION THAT IS NOT TAGGED ON THE PLAN, REFER TO ITS CORRESPONDING GRAPHIC IN THIS WALL LEGEND TO DETERMINE ITS TYPE

EXISTING WALL & PARTITION TYPES:

- (E) 1 HR. RATED FIRE PARTITION (CORRIDOR) W/ 20 MIN. PROTECTED OPENINGS.
- (E) 1 HR. RATED SMOKE BARRIER (UON W/ HIGHER RATING)
- (E) 2 HR. RATED FIRE BARRIER W/ 90 MIN. PROTECTED OPENINGS (OCCUPANCY SEPARATION).
- (E) 2 HR. RATED FIRE BARRIER SHAFT W/ 90 MIN. PROTECTED OPENINGS.
- (E) NON- RATED FIRE- RESISITIVE PARTITION (W/ UNPROTECTED OPENINGS) AND/ OR EXTERIOR WALL TO REMAIN.

TEMPORARY CONSTRUCTION BARRIERS TYPES:

- T — 1 HR RATED TEMPORARY CONSTRUCTION BARRIER W/ 20 MIN. PROTECTED OPENINGS. SEE DETAIL 5 / A9.02
  OPTION: STARCBLOCK TEMPORARY BARRIER, SSD FOR OPM
- VISQUEEN TEMPORARY CONSTRUCTION BARRIER

NEW WALL & PARTITION TYPES:

- D — NON-RATED FIRE-RESISITIVE PARTITION W/ UNPROTECTED OPENINGS, TYP UON, SEE 17 / A9.01

ACD001

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — KEN YAMAUCHI — C-26566 — 02-28-2027 RENEWAL DATE — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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(916)734-7024

HY ARCHITECTS PROJECT #: 5938
HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
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530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
2	OWNER REVISIONS	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OVERALL FLOOR PLANS - BASEMENT

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	A2.00
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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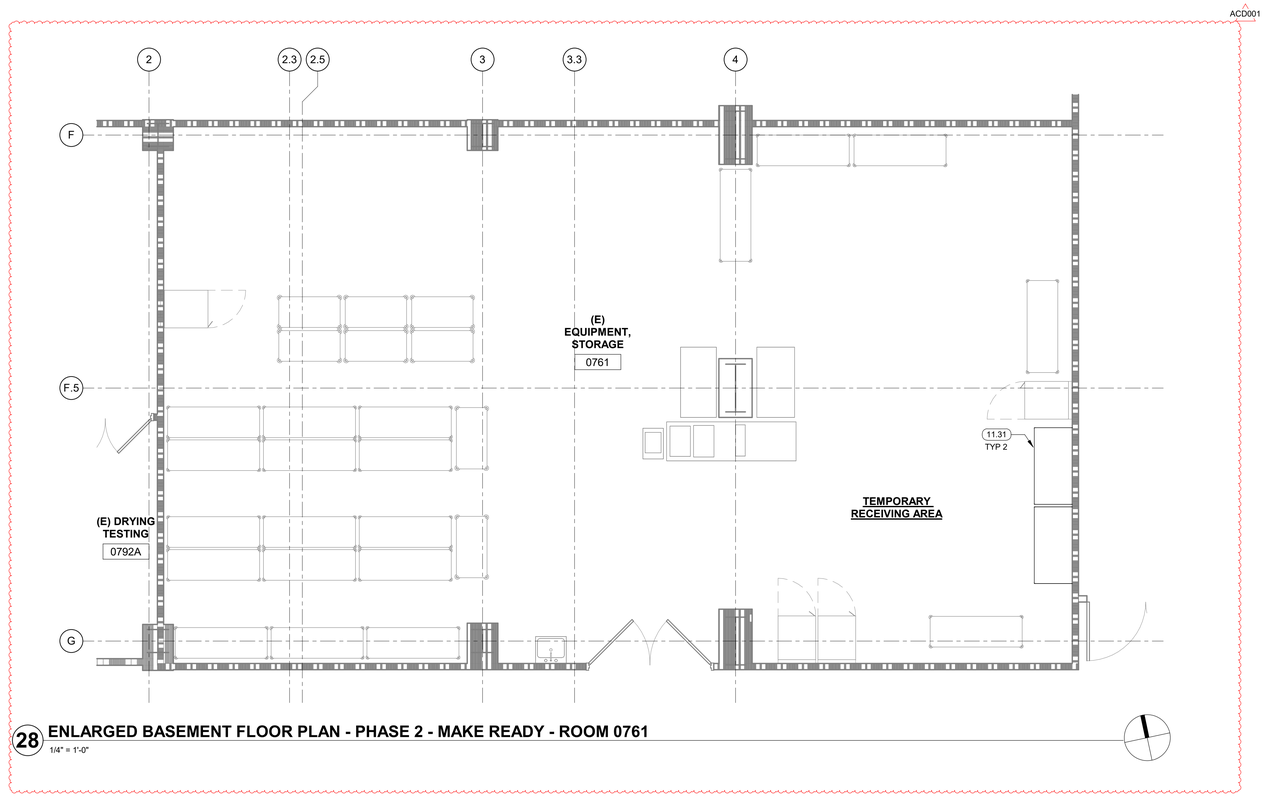
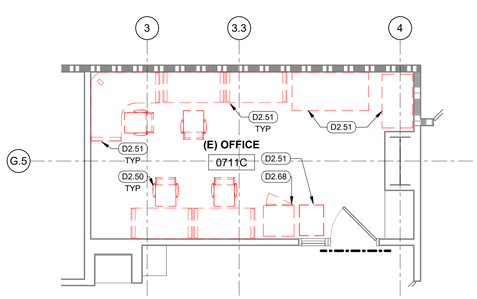
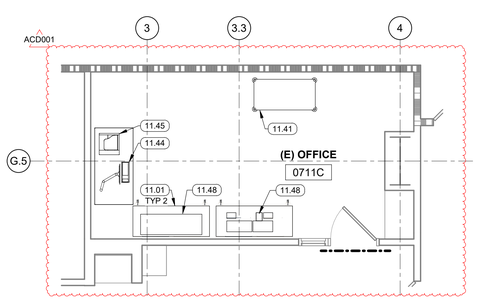


28 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - MAKE READY - ROOM 0761
1/4" = 1'-0"



30 ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 1 - MAKE READY - ROOM 0711C
1/4" = 1'-0"



15 ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 1 - MAKE READY - ROOM 0711C
1/4" = 1'-0"

GENERAL NOTES

1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
2. ALL DIMENSIONS SHALL BE FACE OF STUD UON. DIMENSIONS NOTED AS "CLR" REFER TO CLEAR DIMENSION FROM FACE OF FINISH.
3. REFER TO Q, SG, S, M, P, FP, E, T, FA SE, FF, & I SERIES SHEETS FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO PROTECT IN PLACE OVERHEAD PAGING SYSTEM AND WIRELESS ACCESS DURING CONSTRUCTION.
5. TELECOMMUNICATION CABLING SHALL BE REMOVED BACK TO SERVICING TR AND REPLACED WITH UCDH STANDARD.
6. ALL PLAN ITEMS SHOWN ARE NEW UNLESS OTHERWISE INDICATED AS "(E)" OR "EXISTING".
7. (E) FIRE HORNS AND FIRE STROBES TO BE MAINTAINED AT ALL TIMES.
8. TEMPORARY BARRIERS LOCATED IN CORRIDORS ARE DIAGRAMATIC IN NATURE, CONTRACTOR CONSTRUCTION TO MEET ALL FIRE LIFE SAFETY CRITERIA AND GENERAL NOTE 7.
9. PATCH AND REPAIR (E) FIRE PROOFING IMPACTED BY DEMOLTION AND CONSTRUCTION.

PARTITION LEGEND

NOTE: FOR ANY PARTITION THAT IS NOT TAGGED ON THE PLAN, REFER TO ITS CORRESPONDING GRAPHIC IN THIS WALL LEGEND TO DETERMINE ITS TYPE

EXISTING WALL & PARTITION TYPES:

- (E) EXTERIOR MASONRY WALL (BRICK VENEER O/ CMU).
- (E) 1 HR. RATED FIRE PARTITION (CORRIDOR) W/ 20 MIN. PROTECTED OPENINGS.
- (E) 1 HR. RATED SMOKE BARRIER (UON W/ HIGHER RATING)
- (E) 2 HR. RATED FIRE BARRIER W/ 90 MIN. PROTECTED OPENINGS (OCCUPANCY SEPARATION).
- (E) 2 HR. RATED FIRE BARRIER SHAFT W/ 90 MIN. PROTECTED OPENINGS.
- (E) NON- RATED FIRE- RESISTIVE PARTITION (W/ UNPROTECTED OPENINGS) AND/ OR EXTERIOR WALL TO REMAIN.
- (E) ITEM(S) TO BE DEMOLISHED. REFER TO KEYNOTES

TEMPORARY CONSTRUCTION BARRIERS TYPES:

- T — 1 HR RATED TEMPORARY CONSTRUCTION BARRIER W/ 20 MIN. PROTECTED OPENINGS, SEE DETAIL 5 A9.02
  OPTION: STARCBLOCK TEMPORARY BARRIER, SSD FOR OPM
- T — TEMPORARY CONSTRUCTION BARRIER W/ GYP BD 1-SIDE OR TEMP BARRIER SYSTEM
- VISQUEEN TEMPORARY CONSTRUCTION BARRIER.

ACD001 **NEW WALL & PARTITION TYPES:**

- C — NON-RATED FURRING PARTITION, TYP UON, SEE 12 A9.01
- D — NON-RATED FIRE-RESISTIVE PARTITION W/ UNPROTECTED OPENINGS, TYP UON, SEE 17 A9.01

DEMO KEYNOTES

D2.50	REMOVE (E) FURNITURE AND PREPARE FOR CLIENT STORAGE
D2.51	DEMO (E) FURNITURE
D2.68	REMOVE (E) UNDERCOUNTER REFRIGERATOR, STORE AND PROTECT FOR REUSE

REMODEL KEYNOTES

11.01	MOBILE WORKSTATION, SFD
11.31	METAL TABLE, SQD, SSD
11.41	(RE) WIRE SHELVING, SEE SHEETS A2.01 & Q4.01 FOR TEMPORARY LOCATION; SEE SHEETS A2.02B & Q4.02 FOR FINAL LOCATION
11.44	(RE) COMPUTER, SEE SHEETS A2.01 & Q4.01 FOR TEMPORARY LOCATION; SEE SHEET Q4.04 FOR FINAL LOCATION
11.45	(RE) PRINTER, SEE SHEETS A2.01 & Q4.01 FOR TEMPORARY LOCATION; SEE SHEET Q4.02 FOR FINAL LOCATION
11.48	(RE) BAR CODE/REPACKAGER, SEE SHEETS A2.01 & Q4.01 FOR TEMPORARY LOCATION; SEE SHEET Q4.02 FOR FINAL LOCATION

ACD001

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT HEIDI YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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FACILITIES DESIGN & CONSTRUCTION
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(916)734-7024

HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

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100% CONSTRUCTION DOCUMENTS

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HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED DEMO AND REMODEL PLANS - BASEMENT - MAKE READY

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	A2.01
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

7/22/2025 12:09:03 PM C:\Users\auno\Documents\5938 UCDH Central Phamacy_Central_R25-REVISED SCOPE_auno.IDA58.rvt

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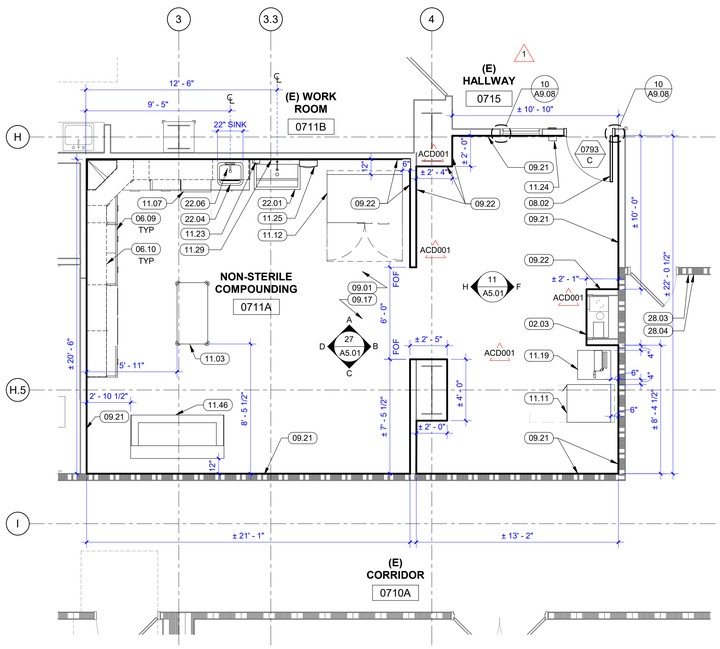
30 ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 1 - ROOM 0711A

1/4" = 1'-0"



20 ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 1 - ROOM 0711A

1/4" = 1'-0"

GENERAL NOTES

1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
2. ALL DIMENSIONS SHALL BE FACE OF STUD, UON. DIMENSIONS NOTED AS "CLR" REFER TO CLEAR DIMENSION FROM FACE OF FINISH.
3. REFER TO Q, SG, S, M, P, FP, E, T, FA SE, FF, & I SERIES SHEETS FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO PROTECT IN PLACE OVERHEAD PAGING SYSTEM AND WIRELESS ACCESS DURING CONSTRUCTION.
5. TELECOMMUNICATION CABLING SHALL BE REMOVED BACK TO SERVICING TR AND REPLACED WITH UCDH STANDARD.
6. ALL PLAN ITEMS SHOWN ARE NEW UNLESS OTHERWISE INDICATED AS "(E)" OR "EXISTING".
7. (E) FIRE HORNS AND FIRE STROBES TO BE MAINTAINED AT ALL TIMES.
8. TEMPORARY BARRIERS LOCATED IN CORRIDORS ARE DIAGRAMATIC IN NATURE, CONTRACTOR CONSTRUCTION TO MEET ALL FIRE LIFE SAFETY CRITERIA AND GENERAL NOTE 7.
9. PATCH AND REPAIR (E) FIRE PROOFING IMPACTED BY DEMOLTION AND CONSTRUCTION.
10. FIRE WATCH IN ACCORDANCE WITH PIN 14 WILL BE UTILITZED TO COMPLETE WORK IN A SINGLE SHIFT WHERE INDICATED.

PARTITION LEGEND

NOTE: FOR ANY PARTITION THAT IS NOT TAGGED ON THE PLAN, REFER TO ITS CORRESPONDING GRAPHIC IN THIS WALL LEGEND TO DETERMINE ITS TYPE

EXISTING WALL & PARTITION TYPES:

- (E) EXTERIOR MASONRY WALL (BRICK VENEER O/ CMU).
- (E) 1 HR. RATED FIRE PARTITION (CORRIDOR) W/ 20 MIN. PROTECTED OPENINGS.
- (E) 1 HR. RATED SMOKE BARRIER (UON W/ HIGHER RATING)
- (E) 2 HR. RATED FIRE BARRIER W/ 90 MIN. PROTECTED OPENINGS (OCCUPANCY SEPARATION).
- (E) 2 HR. RATED FIRE BARRIER SHAFT W/ 90 MIN. PROTECTED OPENINGS.
- (E) NON- RATED FIRE- RESISTIVE PARTITION (W/ UNPROTECTED OPENINGS) AND/ OR EXTERIOR WALL TO REMAIN.
- (E) ITEM(S) TO BE DEMOLISHED. REFER TO KEYNOTES

TEMPORARY CONSTRUCTION BARRIERS TYPES:

- T — 1 HR RATED TEMPORARY CONSTRUCTION BARRIER W/ 20 MIN. PROTECTED OPENINGS, SEE DETAIL 5/A9.02
- OPTION: STARCBLOCK TEMPORARY BARRIER, SSD FOR OPM
- T — TEMPORARY CONSTRUCTION BARRIER W/ GYP BD 1-SIDE OR TEMP BARRIER SYSTEM
- VISQUEEN TEMPORARY CONSTRUCTION BARRIER.

ACD001 **NEW WALL & PARTITION TYPES:**

- C — NON-RATED FURRING PARTITION, TYP UON, SEE 12/A9.01
- D — NON-RATED FIRE-RESISTIVE PARTITION W/ UNPROTECTED OPENINGS, TYP UON, SEE 17/A9.01

DEMO KEYNOTES

D2.03	DEMO SECTION OF (E) WALL
D2.12	(E) PNEUMATIC TUBE SYSTEM TO REMAIN, PROTECT IN PLACE
D2.17	DEMO (E) SINK AND COUNTERTOP
D2.18	DEMO (E) STORAGE CABINETS
D2.19	DEMO (E) COUNTERTOP AND LOWER CABINETS
D2.50	REMOVE (E) FURNITURE AND PREPARE FOR CLIENT STORAGE
D2.52	DEMO (E) WALL BASE, WALL PROTECTION, AND CEILING
D2.53	SAWCUT AND TRENCH (E) FLOOR IN PREPARATION FOR INSTALLATION OF PLUMBING LINES, SPD, SEE DETAIL 17/S4.00 FOR TRENCH REPAIR
D2.55	DEMO (E) FLOORING & PREPARE FOR (N). CONTRACTOR TO TEST FLOOR SLAB TO CONFIRM IT MEETS MOISTURE REQUIREMENTS PER MANUFACTURER'S REQUIREMENTS OR PROVIDE MOISTURE BARRIER
D2.56	DEMO (E) CORNER GUARD
D2.58	REMOVE (E) WALL MOUNTED ACCESSORIES, STORE AND PROTECT FOR REUSE
D2.65	DEMO (E) GYP BD
D2.66	(E) GYP BD TO REMAIN, FORTRESS WALL SYSTEM TO BE INSTALLED OVER (E) GYP BD
D2.82	REMOVE (E) WIRE SHELVING, RETURN TO FACILITY
D2.85	DEMO (E) WALL PANEL AND SHELVING SYSTEM
D2.102	DEMO (E) ELECTRICAL STUB UP, SED
D2.110	DEMO (E) DOOR, DOOR FRAME, AND DOOR HARDWARE; INSTALL (N) DOOR, DOOR FRAME, AND DOOR HARDWARE WITHIN ONE SHIFT, PROVIDE FIRE WATCH IF NECESSARY

REMODEL KEYNOTES

02.03	(E) PNEUMATIC TUBE SYSTEM
06.09	METAL LOWER CASEWORK, SEE DETAIL 7/A9.03
06.10	METAL OPEN-SHELVING UPPER CASEWORK, SEE DETAIL 12/A9.03
08.02	DOOR, DOOR FRAME, AND DOOR HARDWARE, SEE SHEET A2.15
09.01	FORTRESS WALL SYSTEM, ALL EXPOSED WALL SURFACES; SEE SHEETS A9.07, A9.08, & A10.30
ACD001 09.17 ACD001A	FLOORING, WALL BASE, & HARD LID CEILING; SID & SEE INT ELEV & INTERIOR FINISH NOTES ON I1.00
09.21	FORTRESS WALL SYSTEM INSTALLED OVER (E) GYP, SEE DETAIL 3/A9.08 & SHEET A10.30
09.22	FORTRESS WALL SYSTEM, SEE DETAIL 1/A9.08 & SHEET A10.30
11.03	SHELVING W/ FLOOR ANCHORAGE, SQD, SSD
11.07	DISHWASHER, SQD, SSD, SMD, SED
11.11	(RE) REFRIGERATOR W SEISMIC ANCHORAGE, SQD, SSD, SED
11.12	REFRIGERATOR W/ SEISMIC ANCHORAGE, SQD, SSD, SED
11.19	(RE) PYXIS EQUIPMENT W/ SEISMIC ANCHORAGE, SQD, SSD, SED
11.23	SOAP DISPENSER, SQD, SEE DETAIL 27/A9.04
11.24	DEGERMER, SQD, SEE DETAIL 27/A9.04
11.25	PAPER TOWEL DISPENSER, SQD, SEE DETAIL 27/A9.04
11.29	MIRROR, SQD, SED, SEE DETAIL 16/A9.06
11.46	(RE) LAB HOOD W/SEISMIC ANCHORAGE FROM ROOM #0761, SSD
22.01	SCRUB SINK W/ EYE WASH FIXTURE, SEE DETAIL 15/A9.04 , SSD, SPD
22.04	SINK, SPD
22.06	FLOW MASTER WALL MOUNTED WATER DISPENSER, SPD; DISPENSER IS EXEMPT FROM ACCESSIBILITY REQUIREMENTS AS IT IS A "WORKSTATION ITEM" AND ONLY TO BE USED BY TRAINED STAFF FOR A SPECIFIC FUNCTION
28.03	CARD READER, SSED, SED
28.04	UPGRADE (E) AI PHONE TO IEX MODEL, CAT CABLE, DATA

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — KEN YAMAUCHI — C-26566 — 02-28-2027 RENEWAL DATE — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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FACILITIES DESIGN & CONSTRUCTION
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HY ARCHITECTS PROJECT #: 5938

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4602 2nd Street, Suite 3
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530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

Issued to	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
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3	BACKCHECK 2	12/13/2025
4	BACKCHECK 3	01/27/2025
ACD001	SCOPE REDUCTION	07/22/2025
ACD001A	SCOPE REDUCTION BACKCHECK 1	Date 6

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED DEMO AND REMODEL PLANS - BASEMENT - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	A2.02A
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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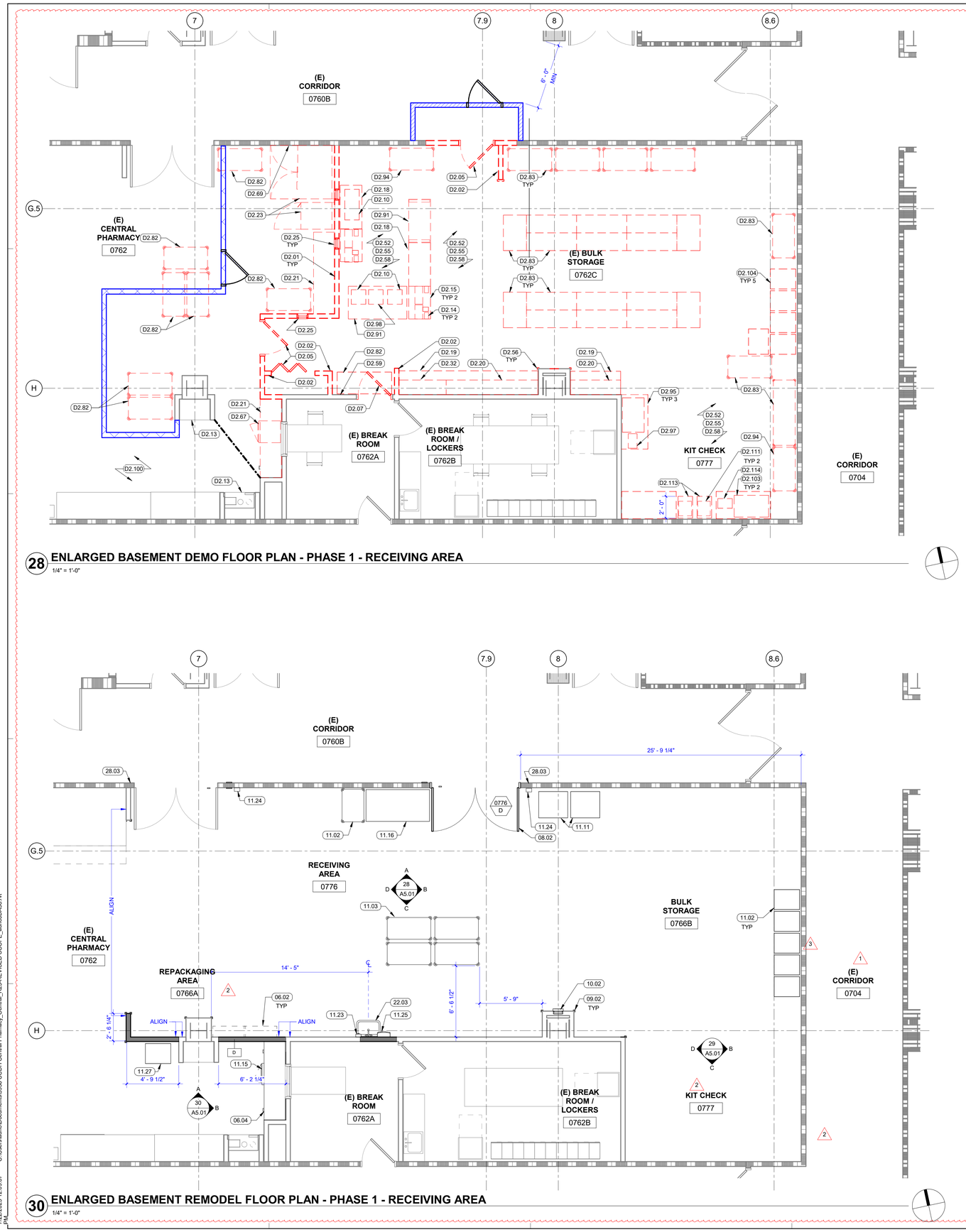

28 ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 1 - RECEIVING AREA

1/4" = 1'-0"

30 ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 1 - RECEIVING AREA

1/4" = 1'-0"

GENERAL NOTES

1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
2. ALL DIMENSIONS SHALL BE FACE OF STUD, UON. DIMENSIONS NOTED AS "CLR" REFER TO CLEAR DIMENSION FROM FACE OF FINISH.
3. REFER TO Q, SG, S, M, P, FP, E, T, FA SE, FF, & I SERIES SHEETS FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO PROTECT IN PLACE OVERHEAD PAGING SYSTEM AND WIRELESS ACCESS DURING CONSTRUCTION.
5. TELECOMMUNICATION CABLING SHALL BE REMOVED BACK TO SERVICING TR AND REPLACED WITH UCDH STANDARD.
6. ALL PLAN ITEMS SHOWN ARE NEW UNLESS OTHERWISE INDICATED AS "(E)" OR "EXISTING".
7. (E) FIRE HORNS AND FIRE STROBES TO BE MAINTAINED AT ALL TIMES.
8. TEMPORARY BARRIERS LOCATED IN CORRIDORS ARE DIAGRAMATIC IN NATURE, CONTRACTOR CONSTRUCTION TO MEET ALL FIRE LIFE SAFETY CRITERIA AND GENERAL NOTE 7.
9. PATCH AND REPAIR (E) FIRE PROOFING IMPACTED BY DEMOLTION AND CONSTRUCTION.
10. FIRE WATCH IN ACCORDANCE WITH PIN 14 WILL BE UTILITZED TO COMPLETE WORK IN A SINGLE SHIFT WHERE INDICATED.

PARTITION LEGEND

NOTE: FOR ANY PARTITION THAT IS NOT TAGGED ON THE PLAN, REFER TO ITS CORRESPONDING GRAPHIC IN THIS WALL LEGEND TO DETERMINE ITS TYPE

EXISTING WALL & PARTITION TYPES:

- (E) EXTERIOR MASONRY WALL (BRICK VENEER O/ CMU).
- (E) 1 HR. RATED FIRE PARTITION (CORRIDOR) W/ 20 MIN. PROTECTED OPENINGS.
- (E) 1 HR. RATED SMOKE BARRIER (UON W/ HIGHER RATING)
- (E) 2 HR. RATED FIRE BARRIER W/ 90 MIN. PROTECTED OPENINGS (OCCUPANCY SEPARATION).
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- (E) NON- RATED FIRE- RESISTIVE PARTITION (W/ UNPROTECTED OPENINGS) AND/ OR EXTERIOR WALL TO REMAIN.
- (E) ITEM(S) TO BE DEMOLISHED. REFER TO KEYNOTES

TEMPORARY CONSTRUCTION BARRIERS TYPES:

- T — 1 HR RATED TEMPORARY CONSTRUCTION BARRIER W/ 20 MIN. PROTECTED OPENINGS, SEE DETAIL 6/A9.02
- OPTION: STARCBLOCK TEMPORARY BARRIER, SSD FOR OPM
- T — TEMPORARY CONSTRUCTION BARRIER W/ GYP BD 1-SIDE OR TEMP BARRIER SYSTEM
- VISQUEEN TEMPORARY CONSTRUCTION BARRIER.

ACD001 **NEW WALL & PARTITION TYPES:**

- C — NON-RATED FURRING PARTITION, TYP UON, SEE 12/A9.01
- D — NON-RATED FIRE-RESISTIVE PARTITION W/ UNPROTECTED OPENINGS, TYP UON, SEE 17/A9.01

DEMO KEYNOTES

D2.01	DEMO (E) WALL PARTITION TO 2" BELOW LOWEST ADJACENT CEILING HEIGHT; REMAINING PORTION OF WALL TO BECOME BULKHEAD
D2.02	DEMO (E) WALL PARTITION
D2.05	DEMO (E) DOOR, DOOR FRAME, AND DOOR HARDWARE
D2.07	DEMO (E) DOOR, DOOR FRAME, AND DOOR HARDWARE; PREPARE FOR WALL INFILL, SEE DETAIL 8/A9.01
D2.10	REMOVE (E) EQUIPMENT AND SEISMIC FLOOR BRACKETS, RETURN TO UC DAVIS FOR STORAGE / COORDINATE FOR RELOCATION
D2.13	(E) PNEUMATIC TUBE SYSTEM TO REMAIN, KEEP OPERATIONAL DURING CONSTRUCTION, KEEP CLEAR
D2.14	RELOCATE (E) BAR CODE / PACKAGER, SEE A2.01 FOR TEMPORARY LOCATION
D2.15	DEMO (E) METAL CART
D2.18	DEMO (E) STORAGE CABINETS
D2.19	DEMO (E) COUNTERTOP AND LOWER CABINETS
D2.20	DEMO (E) UPPER CABINET SHELVES
D2.21	DEMO (E) COUNTERTOP
D2.23	REMOVE (E) REFRIGERATOR, RETURN TO FACILITY
D2.25	DEMO (E) WINDOW
D2.32	DEMO (E) STORAGE CUBBYS
D2.52	DEMO (E) WALL BASE, WALL PROTECTION, AND CEILING
D2.55	DEMO (E) FLOORING & PREPARE FOR (N). CONTRACTOR TO TEST FLOOR SLAB TO CONFIRM IT MEETS MOISTURE REQUIREMENTS PER MANUFACTURER'S REQUIREMENTS OR PROVIDE MOISTURE BARRIER
D2.56	DEMO (E) CORNER GUARD
D2.58	REMOVE (E) WALL MOUNTED ACCESSORIES, STORE AND PROTECT FOR REUSE
D2.59	(E) FIRE ALARM STROBE TO REMAIN
D2.67	RELOCATE (E) UNDERCOUNTER REFRIGERATOR
D2.69	REMOVE (E) WHITE BOARD, STORE AND PROTECT FOR REUSE
D2.82	REMOVE (E) WIRE SHELVING, RETURN TO FACILITY
D2.83	REMOVE (E) WIRE SHELVING, STORE AND PROTECT FOR REUSE
D2.91	DEMO (E) WORKSTATION
D2.94	RELOCATE (E) WIRE SHELVING, SEE A2.01 FOR TEMPORARY LOCATION
D2.95	RELOCATE (E) METAL TABLE, SEE A2.01 FOR TEMPORARY LOCATION
D2.97	RELOCATE (E) COMPUTER, SEE A2.01 FOR TEMPORARY LOCATION
D2.98	RELOCATE (E) PRINTER, SEE A2.01 FOR TEMPORARY LOCATION
D2.100	DEMO (E) SECURITY EQUIPMENT, SSED
D2.103	REMOVE (E) KIT CHECK OVEN, STORE AND PROTECT FOR REUSE
D2.104	REMOVE (E) KIT CHECK MOBILE STORAGE, STORE AND PROTECT FOR REUSE
D2.111	REMOVE (E) PRINTER, STORE AND PROTECT FOR REUSE
D2.113	REMOVE (E) FILE STORAGE, STORE AND PROTECT FOR REUSE
D2.114	REMOVE (E) COMPUTER, STORE AND PROTECT FOR REUSE

REMODEL KEYNOTES

06.02	OPEN-SHELVING UPPER CASEWORK W/ SLOPED DUST SOFFIT, SEE DETAILS 5/A9.03 & 7/A9.03
06.04	COUNTERTOP, SEE DETAIL 13/A9.03
08.02	DOOR, DOOR FRAME, AND DOOR HARDWARE, SEE SHEET A2.15
09.02	CORNER GUARD, SEE DETAIL 1/A9.06; FOR WING WALL CONDITION, SEE 2/A9.06
10.02	RECESSED FIRE EXTINGUISHER CABINET, SEE DETAIL 20/A9.04
11.02	SHELVING W/ TETHERING, SQD, SSD
11.03	SHELVING W/ FLOOR ANCHORAGE, SQD, SSD
11.11	(RE) REFRIGERATOR W SEISMIC ANCHORAGE, SQD, SSD, SED
11.15	(RE) UNDERCOUNTER REFRIGERATOR
11.16	CARDBOARD WASTE RECEPTACLE
11.23	SOAP DISPENSER, SQD, SEE DETAIL 27/A9.04
11.24	DEGERMER, SQD, SEE DETAIL 27/A9.04
11.25	PAPER TOWEL DISPENSER, SQD, SEE DETAIL 27/A9.04
11.27	PNEUMATIC TUBE STORAGE, SQD, SSD
22.03	HAND WASH SINK, W/ EYE WASH FIXTURE, SEE DETAIL 19/A9.04, SPD
28.03	CARD READER, SSED, SED

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S24103-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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(916)734-7024

HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

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5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED DEMO AND REMODEL PLANS - BASEMENT - PHASE 1

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UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	
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Drawn By: Author	Revit Version: 2025	

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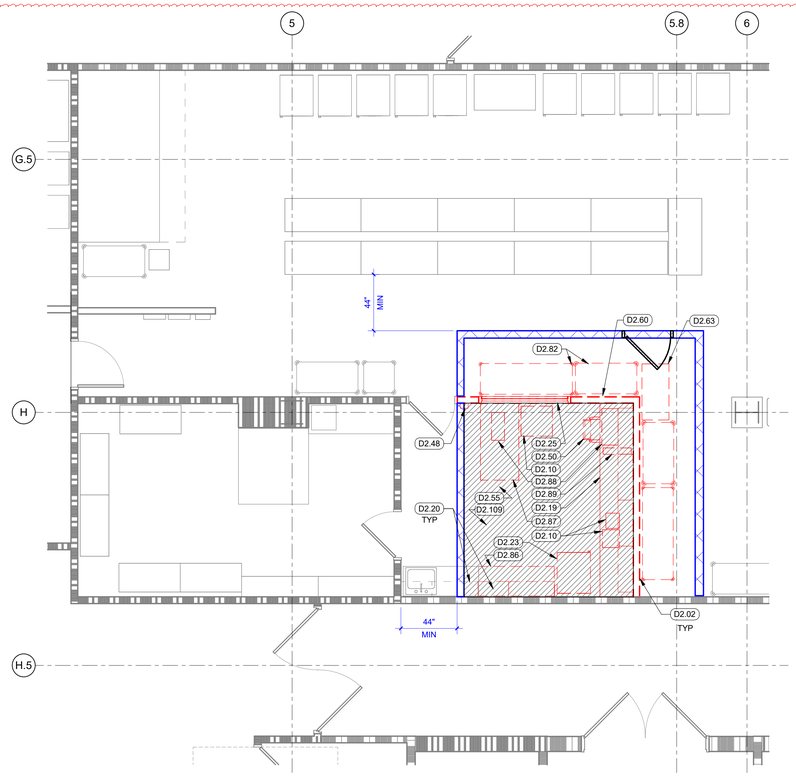
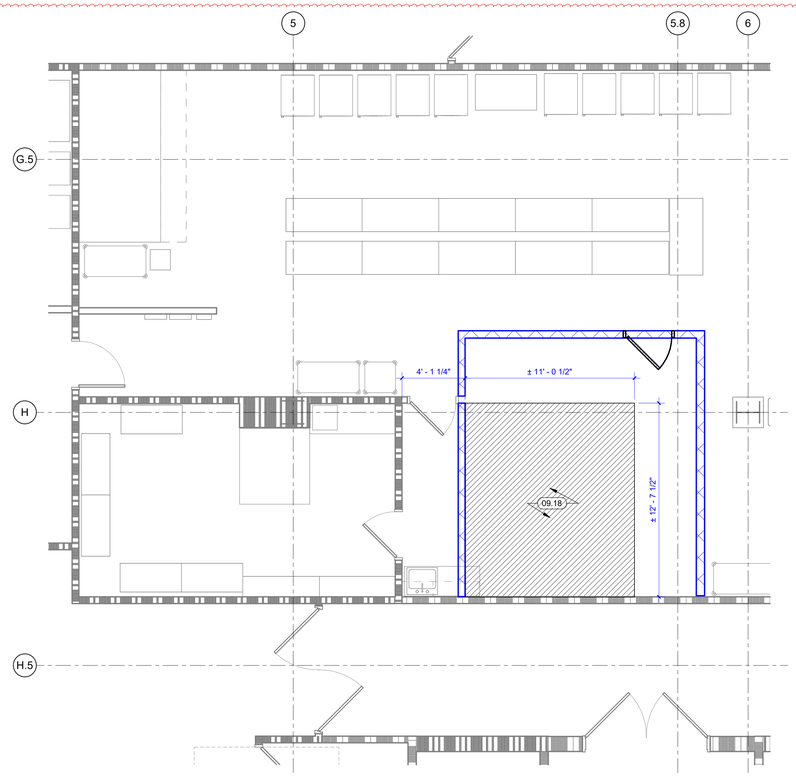


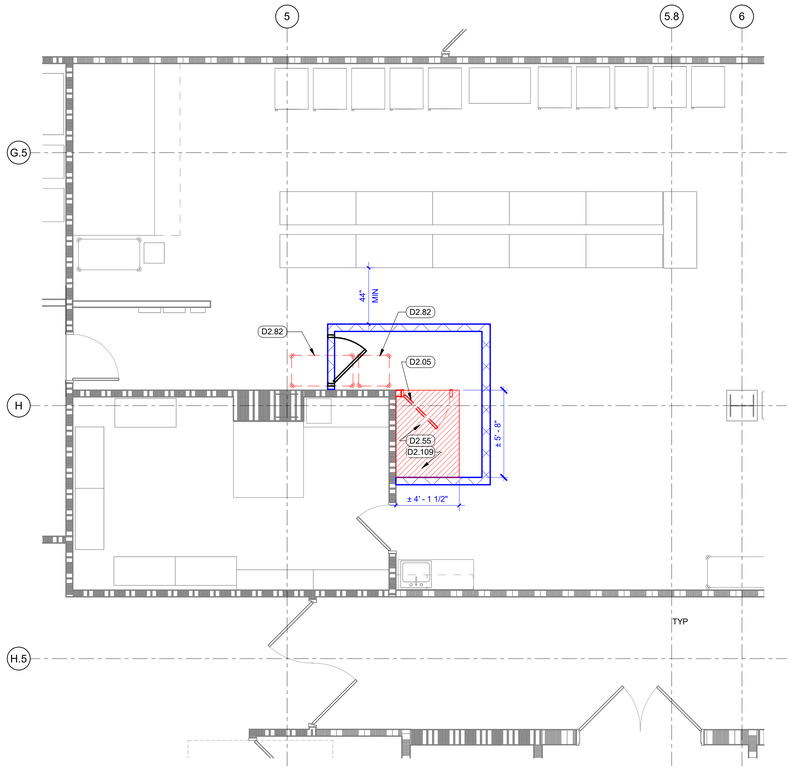
28 ENLARGED BASEMENT DEMO FLOOR PLAN - MAKE READY 1 - PHASE 2

1/4" = 1'-0"



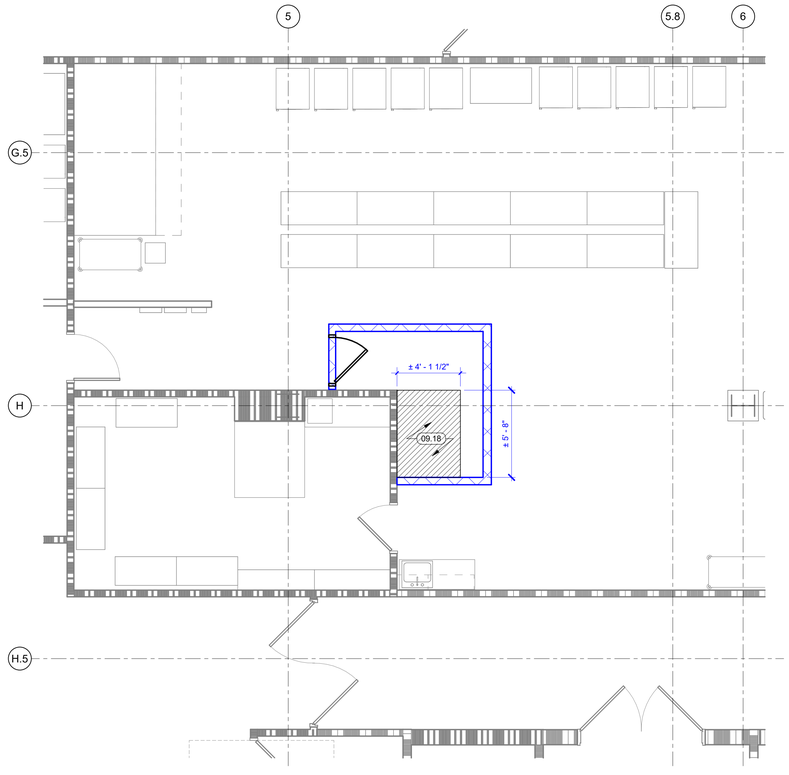
22 ENLARGED BASEMENT REMODEL FLOOR PLAN - MAKE READY 1 - PHASE 2

1/4" = 1'-0"



30 ENLARGED BASEMENT DEMO FLOOR PLAN - MAKE READY 2 - PHASE 2

1/4" = 1'-0"



24 ENLARGED BASEMENT REMODEL FLOOR PLAN - MAKE READY 2 - PHASE 2

1/4" = 1'-0"

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1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
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4. CONTRACTOR TO PROTECT IN PLACE OVERHEAD PAGING SYSTEM AND WIRELESS ACCESS DURING CONSTRUCTION.
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NEW WALL & PARTITION TYPES:

- C — NON-RATED FURRING PARTITION, TYP UON, SEE 12 / A9.01
- D — NON-RATED FIRE-RESISTIVE PARTITION W/ UNPROTECTED OPENINGS, TYP UON, SEE 17 / A9.01

DEMO KEYNOTES

D2.02	DEMO (E) WALL PARTITION
D2.05	DEMO (E) DOOR, DOOR FRAME, AND DOOR HARDWARE
D2.10	REMOVE (E) EQUIPMENT AND SEISMIC FLOOR BRACKETS, RETURN TO UC DAVIS FOR STORAGE / COORDINATE FOR RELOCATION
D2.19	DEMO (E) COUNTERTOP AND LOWER CABINETS
D2.20	DEMO (E) UPPER CABINET SHELVES
D2.23	REMOVE (E) REFRIGERATOR, RETURN TO FACILITY
D2.25	DEMO (E) WINDOW
D2.48	DEMO (E) CARD READER
D2.50	REMOVE (E) FURNITURE AND PREPARE FOR CLIENT STORAGE
D2.55	DEMO (E) FLOORING & PREPARE FOR (N). CONTRACTOR TO TEST FLOOR SLAB TO CONFIRM IT MEETS MOISTURE REQUIREMENTS PER MANUFACTURER'S REQUIREMENTS OR PROVIDE MOISTURE BARRIER
D2.60	RELOCATE (E) FIRE ALARM STROBE
D2.63	RELOCATE (E) FLAMMABLES CABINET; RELOCATED FLAMMABLES CABINET TO REMAIN IN CENTRAL PHARMACY
D2.82	REMOVE (E) WIRE SHELVING, RETURN TO FACILITY
D2.86	DEMO (E) DISHWASHER
D2.87	REMOVE (E) METAL TABLE, RETURN TO FACILITY
D2.88	REMOVE (E) COMPUTER, RETURN TO FACILITY
D2.89	REMOVE (E) TELEPHONE, STORE AND PROTECT FOR REUSE
D2.109	DEMO (E) WALL BASE

REMODEL KEYNOTES

09.18	FLOORING & WALL BASE; SID & SEE INT ELEV & INTERIOR FINISH NOTES ON I1.00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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DESIGN PROFESSIONALS OF RECORD:

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HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

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Sheet Title: ENLARGED DEMO AND REMODEL PLANS - BASEMENT - MAKE READY - PHASE 2

Arch.\Engr. KY	FD&C Job No. JOB NO.	SHEET NO. A2.03
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	
Designed By: AU	Issue Date: 06/12/2024	
Drawn By: AU	Revit Version: 2025	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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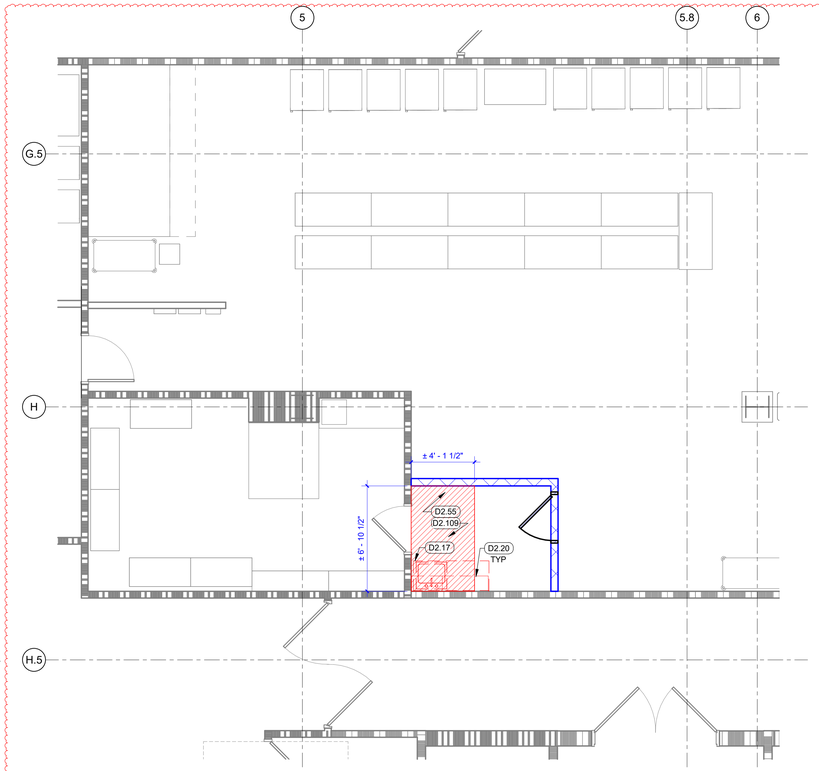
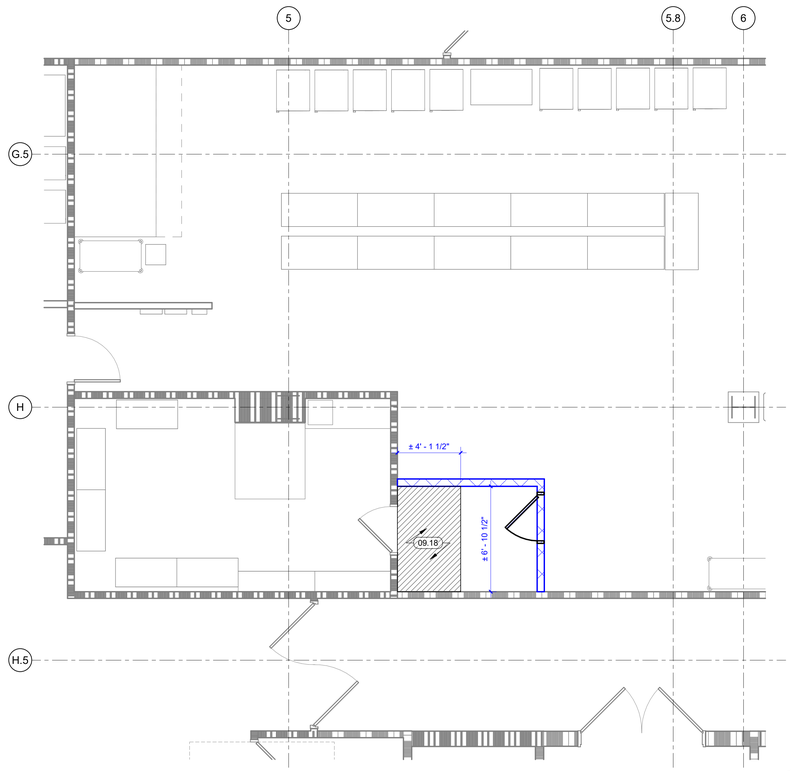


28 ENLARGED BASEMENT DEMO FLOOR PLAN - MAKE READY 3 - PHASE 2

1/4" = 1'-0"



22 ENLARGED BASEMENT REMODEL FLOOR PLAN - MAKE READY 3 - PHASE 2

1/4" = 1'-0"

ACD001

ACD001

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3. REFER TO Q, SG, S, M, P, FP, E, T, FA SE, FF, & I SERIES SHEETS FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO PROTECT IN PLACE OVERHEAD PAGING SYSTEM AND WIRELESS ACCESS DURING CONSTRUCTION.
5. TELECOMMUNICATION CABLING SHALL BE REMOVED BACK TO SERVICING TR AND REPLACED WITH UCDH STANDARD.
6. ALL PLAN ITEMS SHOWN ARE NEW UNLESS OTHERWISE INDICATED AS "(E)" OR "EXISTING".
7. (E) FIRE HORNS AND FIRE STROBES TO BE MAINTAINED AT ALL TIMES.
8. TEMPORARY BARRIERS LOCATED IN CORRIDORS ARE DIAGRAMATIC IN NATURE, CONTRACTOR CONSTRUCTION TO MEET ALL FIRE LIFE SAFETY CRITERIA AND GENERAL NOTE 7.
9. PATCH AND REPAIR (E) FIRE PROOFING IMPACTED BY DEMOLTION AND CONSTRUCTION.

PARTITION LEGEND

NOTE: FOR ANY PARTITION THAT IS NOT TAGGED ON THE PLAN, REFER TO ITS CORRESPONDING GRAPHIC IN THIS WALL LEGEND TO DETERMINE ITS TYPE

EXISTING WALL & PARTITION TYPES:

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- (E) 1 HR. RATED FIRE PARTITION (CORRIDOR) W/ 20 MIN. PROTECTED OPENINGS.
- (E) 1 HR. RATED SMOKE BARRIER (UON W/ HIGHER RATING)
- (E) 2 HR. RATED FIRE BARRIER W/ 90 MIN. PROTECTED OPENINGS (OCCUPANCY SEPARATION).
- (E) 2 HR. RATED FIRE BARRIER SHAFT W/ 90 MIN. PROTECTED OPENINGS.
- (E) NON- RATED FIRE- RESISTIVE PARTITION (W/ UNPROTECTED OPENINGS) AND/ OR EXTERIOR WALL TO REMAIN.
- (E) ITEM(S) TO BE DEMOLISHED. REFER TO KEYNOTES

TEMPORARY CONSTRUCTION BARRIERS TYPES:

- T — 1 HR RATED TEMPORARY CONSTRUCTION BARRIER W/ 20 MIN. PROTECTED OPENINGS, SEE DETAIL 5 / A9.02
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DEMO KEYNOTES

D2.17	DEMO (E) SINK AND COUNTERTOP
D2.20	DEMO (E) UPPER CABINET SHELVES
D2.55	DEMO (E) FLOORING & PREPARE FOR (N). CONTRACTOR TO TEST FLOOR SLAB TO CONFIRM IT MEETS MOISTURE REQUIREMENTS PER MANUFACTURER'S REQUIREMENTS OR PROVIDE MOISTURE BARRIER
D2.109	DEMO (E) WALL BASE

REMODEL KEYNOTES

09.18	FLOORING & WALL BASE; SID & SEE INT ELEV & INTERIOR FINISH NOTES ON I1.00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
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Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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DESIGN PROFESSIONALS OF RECORD:

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FACILITIES DESIGN & CONSTRUCTION
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HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

ACD001

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED DEMO AND REMODEL PLANS - BASEMENT - MAKE READY - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	A2.03A
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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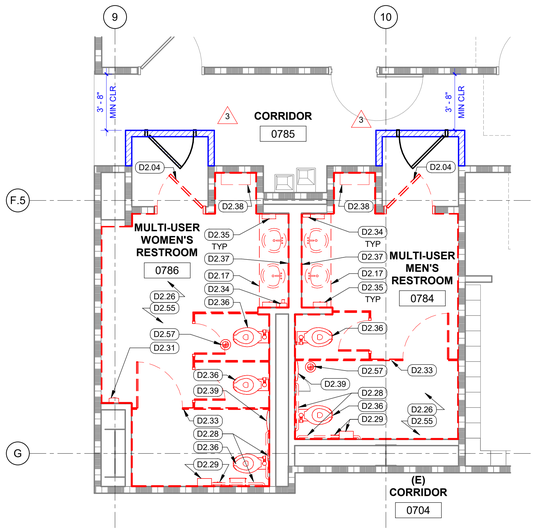
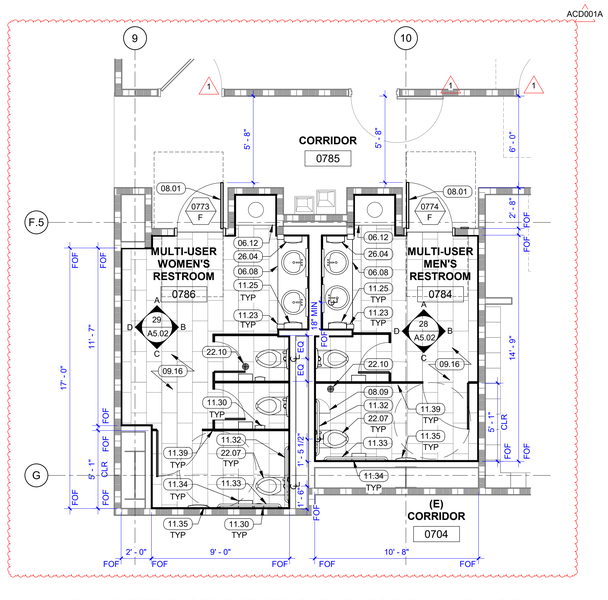


ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 2 - MULTI-USER STAFF RESTROOMS

28 — 1/4" = 1'-0"



ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 2 - MULTI-USER STAFF RESTROOMS

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DEMO KEYNOTES

D2.04	DEMO (E) DOOR AND DOOR HARDWARE, FRAME TO REMAIN
D2.17	DEMO (E) SINK AND COUNTERTOP
D2.26	DEMO (E) WALL TILE, FLOOR TILE, AND CEILING
D2.28	DEMO (E) GRAB BARS
D2.29	DEMO (E) TOILET PAPER DISPENSER
D2.31	DEMO (E) SANITARY NAPKIN DISPENSER
D2.33	DEMO (E) TOILET PARTITION AND DOOR
D2.34	DEMO (E) SOAP DISPENSER
D2.35	DEMO (E) PAPER TOWEL DISPENSER
D2.36	DEMO (E) TOILET
D2.37	DEMO (E) MIRROR
D2.38	DEMO (E) METAL SHELF
D2.39	DEMO (E) TOILET SEAT COVER DISPENSER
D2.55	DEMO (E) FLOORING & PREPARE FOR (N). CONTRACTOR TO TEST FLOOR SLAB TO CONFIRM IT MEETS MOISTURE REQUIREMENTS PER MANUFACTURER'S REQUIREMENTS OR PROVIDE MOISTURE BARRIER
D2.57	DEMO (E) FLOOR DRAIN

REMODEL KEYNOTES

06.08	SOLID SURFACE COUNTER TOP W/ SLOPED PANEL & SINK, SEE DETAIL 9/A9.03, SPD
06.12	WASTE RECEPTACLE LOWER CASEWORK, SEE DETAIL 20/A9.03
08.01	REPLACE (E) DOOR AND DOOR HARDWARE, SEE SHEET A2.15
08.09	SS ACCESS PANEL TO MATCH (E)
09.16	TILE WALLS. TILE FLOORING, & HARD LID CEILING; SID & SEE INT ELEV & INTERIOR FINISH NOTES ON I1.00, SEE DETAILS 7,30/A9.06
11.23	SOAP DISPENSER, SQD, SEE DETAIL 27/A9.04
11.25	PAPER TOWEL DISPENSER, SQD, SEE DETAIL 27/A9.04
11.30	SANITARY NAPKIN RECEPTACLE, SQD, SEE DETAIL 27/A9.04
11.32	42" GRAB BAR, SQD, SEE DETAILS 27 & 30/A9.04
11.33	48" GRAB BAR, SQD, SEE DETAILS 27 & 30/A9.04
11.34	TOILET PAPER DISPENSER, SQD, SEE DETAIL 27/A9.04
11.35	TOILET SEAT COVER DISPENSER, SQD, SEE DETAIL 27/A9.04
11.39	TOILET PARTITION, SEE DETAILS 14 & 15/A9.06
22.07	TOILET, SPD
22.10	FLOOR DRAIN: FLOAT FLOOR NEAR DRAIN AND ENSURE DRAIN IS FLUSH WITH FLOOR SURFACE, SEE DETAILS 24/A9.04
26.04	RAISE ELECTRICAL OUTLET TO ACCESS COMPLIANT HEIGHT

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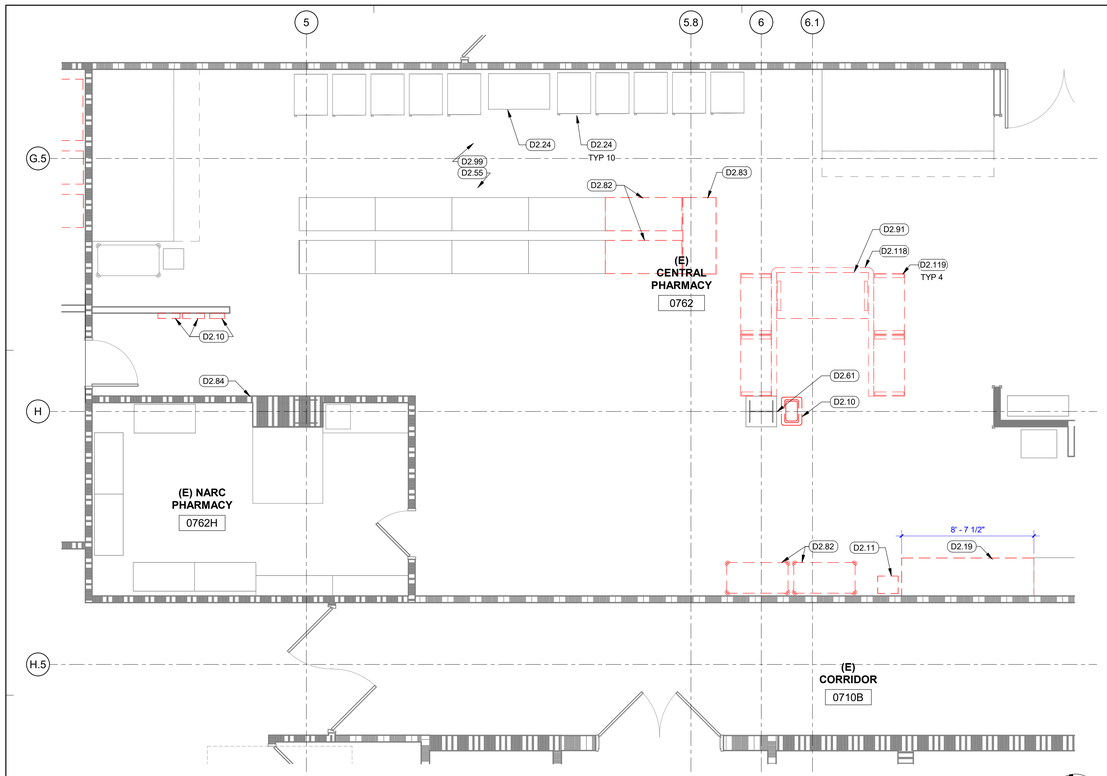

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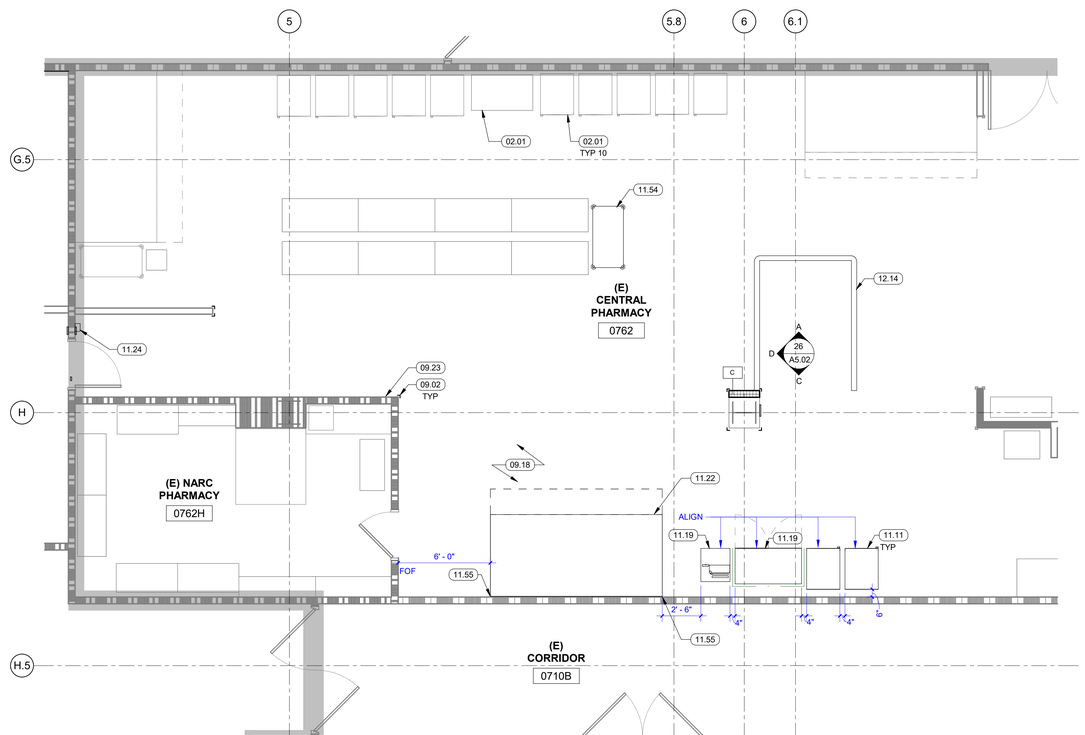

30 **ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 2**
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DEMO KEYNOTES

D2.10	REMOVE (E) EQUIPMENT AND SEISMIC FLOOR BRACKETS, RETURN TO UC DAVIS FOR STORAGE / COORDINATE FOR RELOCATION
D2.11	DEMO (E) EQUIPMENT
D2.19	DEMO (E) COUNTERTOP AND LOWER CABINETS
D2.24	(E) REFRIGERATOR TO REMAIN, INSTALL SEISMIC BRACING
D2.55	DEMO (E) FLOORING & PREPARE FOR (N). CONTRACTOR TO TEST FLOOR SLAB TO CONFIRM IT MEETS MOISTURE REQUIREMENTS PER MANUFACTURER'S REQUIREMENTS OR PROVIDE MOISTURE BARRIER
D2.61	(E) FIRE EXTINGUISHER TO REMAIN
D2.82	REMOVE (E) WIRE SHELVING, RETURN TO FACILITY
D2.83	REMOVE (E) WIRE SHELVING, STORE AND PROTECT FOR REUSE
D2.84	(E) EYE WASH STATION TO REMAIN
D2.91	DEMO (E) WORKSTATION
D2.99	REPLACE (E) FLOORING, WALL BASE, WALL PROTECTION WHERE OCCURS, AND ACOUSTICAL CEILING TILES; WALLS TO RECEIVE (N) PAINT. WORK TO BE SEQUENCED IN SECTIONS TO MINIMIZE PHARMACY OPERATIONS
D2.118	REMOVE (E) FURNITURE PANEL SYSTEM, STORE AND PROTECT FOR REUSE, SFFD
D2.119	REMOVE (E) WORKSTATION, STORE AND PROTECT FOR REUSE, SFFD

REMODEL KEYNOTES

02.01	(E) REFRIGERATOR TO REMAIN, INSTALL SEISMIC BRACING
09.02	CORNER GUARD, SEE DETAIL 1/A9.06; FOR WING WALL CONDITION, SEE 2/A9.06
09.18	FLOORING & WALL BASE; SID & SEE INT ELEV & INTERIOR FINISH NOTES ON I1.00
09.23	MODIFY WALL BUMPER RAIL; INSTALL END PIECE
11.11	(RE) REFRIGERATOR W SEISMIC ANCHORAGE, SQD, SSD, SED
11.19	(RE) PYXIS EQUIPMENT W/ SEISMIC ANCHORAGE, SQD, SSD, SED
11.22	CAROUSEL, SQD, SSD, SED
11.24	DEGERMER, SQD, SEE DETAIL 27/A9.04
11.54	(RE) WIRE SHELVING
11.55	CAROUSEL CLOSURE PANEL PROVIDED BY VENDOR, SEE DETAILS 1/A9.11 & 2/A9.11
12.14	(RE) FURNITURE PANELS, FOR ANCHORAGE SSD

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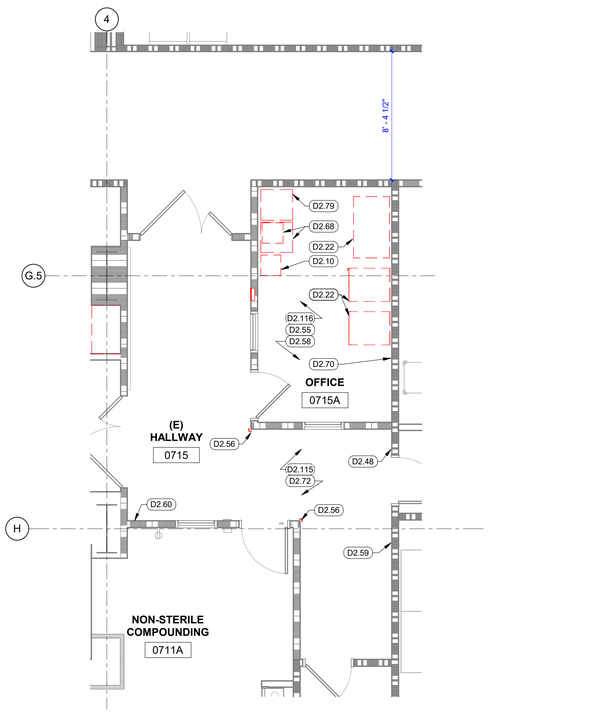

29 ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 2 - OFFICE

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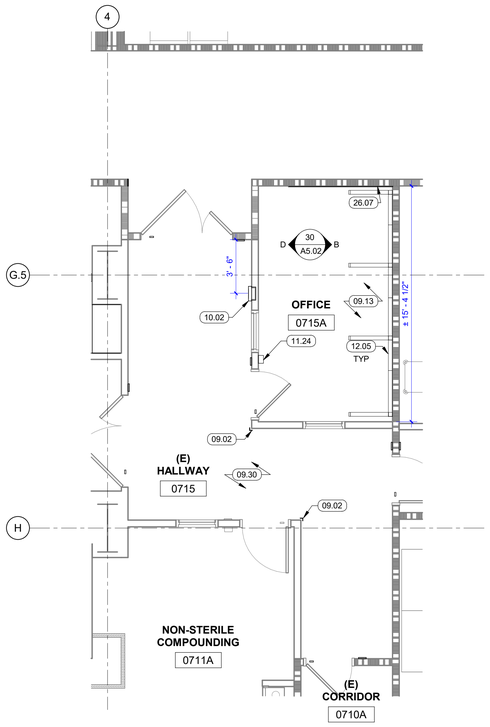

19 ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 2 - OFFICE

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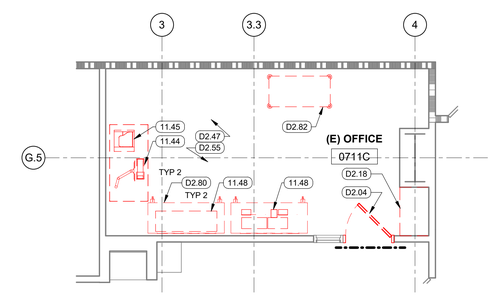
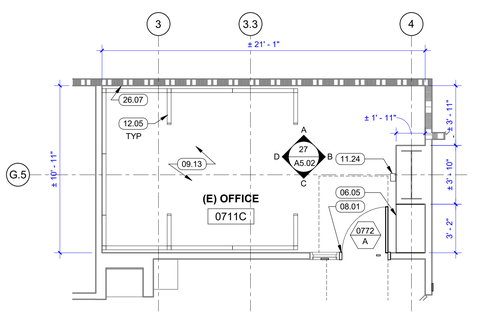


30 ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 2 - 0711C

1/4" = 1'-0"



20 ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 2 - ROOM 0711C

1/4" = 1'-0"

GENERAL NOTES

1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
2. ALL DIMENSIONS SHALL BE FACE OF STUD, UON. DIMENSIONS NOTED AS "CLR" REFER TO CLEAR DIMENSION FROM FACE OF FINISH.
3. REFER TO Q, SG, S, M, P, FP, E, T, FA SE, FF, & I SERIES SHEETS FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO PROTECT IN PLACE OVERHEAD PAGING SYSTEM AND WIRELESS ACCESS DURING CONSTRUCTION.
5. TELECOMMUNICATION CABLING SHALL BE REMOVED BACK TO SERVICING TR AND REPLACED WITH UCDH STANDARD.
6. ALL PLAN ITEMS SHOWN ARE NEW UNLESS OTHERWISE INDICATED AS "(E)" OR "EXISTING".
7. (E) FIRE HORNS AND FIRE STROBES TO BE MAINTAINED AT ALL TIMES.
8. TEMPORARY BARRIERS LOCATED IN CORRIDORS ARE DIAGRAMATIC IN NATURE, CONTRACTOR CONSTRUCTION TO MEET ALL FIRE LIFE SAFETY CRITERIA AND GENERAL NOTE 7.
9. PATCH AND REPAIR (E) FIRE PROOFING IMPACTED BY DEMOLTION AND CONSTRUCTION.

PARTITION LEGEND

NOTE: FOR ANY PARTITION THAT IS NOT TAGGED ON THE PLAN, REFER TO ITS CORRESPONDING GRAPHIC IN THIS WALL LEGEND TO DETERMINE ITS TYPE

EXISTING WALL & PARTITION TYPES:

- (E) EXTERIOR MASONRY WALL (BRICK VENEER O/ CMU).
- (E) 1 HR. RATED FIRE PARTITION (CORRIDOR) W/ 20 MIN. PROTECTED OPENINGS.
- (E) 1 HR. RATED SMOKE BARRIER (UON W/ HIGHER RATING)
- (E) 2 HR. RATED FIRE BARRIER W/ 90 MIN. PROTECTED OPENINGS (OCCUPANCY SEPARATION).
- (E) 2 HR. RATED FIRE BARRIER SHAFT W/ 90 MIN. PROTECTED OPENINGS.
- (E) NON- RATED FIRE- RESISTIVE PARTITION (W/ UNPROTECTED OPENINGS) AND/ OR EXTERIOR WALL TO REMAIN.
- (E) ITEM(S) TO BE DEMOLISHED. REFER TO KEYNOTES

TEMPORARY CONSTRUCTION BARRIERS TYPES:

- T — 1 HR RATED TEMPORARY CONSTRUCTION BARRIER W/ 20 MIN. PROTECTED OPENINGS, SEE DETAIL 5 / A9.02
- OPTION: STARCBLOCK TEMPORARY BARRIER, SSD FOR OPM
- T — TEMPORARY CONSTRUCTION BARRIER W/ GYP BD 1-SIDE OR TEMP BARRIER SYSTEM
- VISQUEEN TEMPORARY CONSTRUCTION BARRIER.

NEW WALL & PARTITION TYPES:

- C — NON-RATED FURRING PARTITION, TYP UON, SEE 12 / A9.01
- D — NON-RATED FIRE-RESISTIVE PARTITION W/ UNPROTECTED OPENINGS, TYP UON, SEE 17 / A9.01

DEMO KEYNOTES

D2.04	DEMO (E) DOOR AND DOOR HARDWARE, FRAME TO REMAIN
D2.10	REMOVE (E) EQUIPMENT AND SEISMIC FLOOR BRACKETS, RETURN TO UC DAVIS FOR STORAGE / COORDINATE FOR RELOCATION
D2.18	DEMO (E) STORAGE CABINETS
D2.22	REMOVE (E) REFRIGERATOR AND SEISMIC WALL BRACING SYSTEM, STORE AND PROTECT FOR REUSE
D2.47	DEMO (E) WALL BASE, CASEWORK, AND CEILING GRID, REMOVE (E) EQUIPMENT AND RETURN TO FACILITY, PREPARE WALLS FOR NEW PAINT.
D2.48	DEMO (E) CARD READER
D2.55	DEMO (E) FLOORING & PREPARE FOR (N). CONTRACTOR TO TEST FLOOR SLAB TO CONFIRM IT MEETS MOISTURE REQUIREMENTS PER MANUFACTURER'S REQUIREMENTS OR PROVIDE MOISTURE BARRIER
D2.56	DEMO (E) CORNER GUARD
D2.58	REMOVE (E) WALL MOUNTED ACCESSORIES, STORE AND PROTECT FOR REUSE
D2.59	(E) FIRE ALARM STROBE TO REMAIN
D2.60	RELOCATE (E) FIRE ALARM STROBE
D2.68	REMOVE (E) UNDERCOUNTER REFRIGERATOR, STORE AND PROTECT FOR REUSE
D2.70	DEMO (E) WIREMOLD, SED
D2.72	DEMO & REPLACE (E) ACT, GRID TO REMAIN
D2.79	REMOVE (E) PYXIS MED STATION, STORE AND PROTECT FOR REUSE
D2.80	REMOVE (E) MOBILE WORKSTATION, STORE AND PROTECT FOR REUSE; SEE SHEET A2.04A FOR FINAL LOCATION
D2.82	REMOVE (E) WIRE SHELVING, RETURN TO FACILITY
D2.115	REMOVE WALL MOUNTED ACCESSORIES AS REQD FOR WALLS TO RECEIVE (N) PAINT
D2.116	DEMO WALL PROTECTION & WALL BASE; DEMO & REPLACE (E) ACT, GRID TO REMAIN

REMODEL KEYNOTES

06.05	BUILT-IN CASEWORK
08.01	REPLACE (E) DOOR AND DOOR HARDWARE, SEE SHEET A2.15
09.02	CORNER GUARD, SEE DETAIL 1/A9.06; FOR WING WALL CONDITION, SEE 2/A9.06
09.13	PAINT, FLOORING, WALL BASE, & CEILING TILES; SID & SEE INT ELEV & INTERIOR FINISH NOTES ON I1.00
09.30	PAINT & CEILING TILES; SID & SEE INT ELEV & INTERIOR FINISH NOTES ON I1.00
10.02	RECESSED FIRE EXTINGUISHER CABINET, SEE DETAIL 20/A9.04
11.24	DEGERMER, SQD, SEE DETAIL 27/A9.04
11.44	(RE) COMPUTER, SEE SHEETS A2.01 & Q4.01 FOR TEMPORARY LOCATION; SEE SHEET Q4.04 FOR FINAL LOCATION
11.45	(RE) PRINTER, SEE SHEETS A2.01 & Q4.01 FOR TEMPORARY LOCATION; SEE SHEET Q4.02 FOR FINAL LOCATION
11.48	(RE) BAR CODE/REPACKAGER, SEE SHEETS A2.01 & Q4.01 FOR TEMPORARY LOCATION; SEE SHEET Q4.02 FOR FINAL LOCATION
12.05	42" TALL FURNITURE PANELS; SEE DETAIL 16/S4.00 AND 20/S4.00, FFD, SED
26.07	WHIP LOCATION, SED

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
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Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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2	OWNER REVISIONS	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED DEMO AND REMODEL PLANS - BASEMENT - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A2.03D ACD001
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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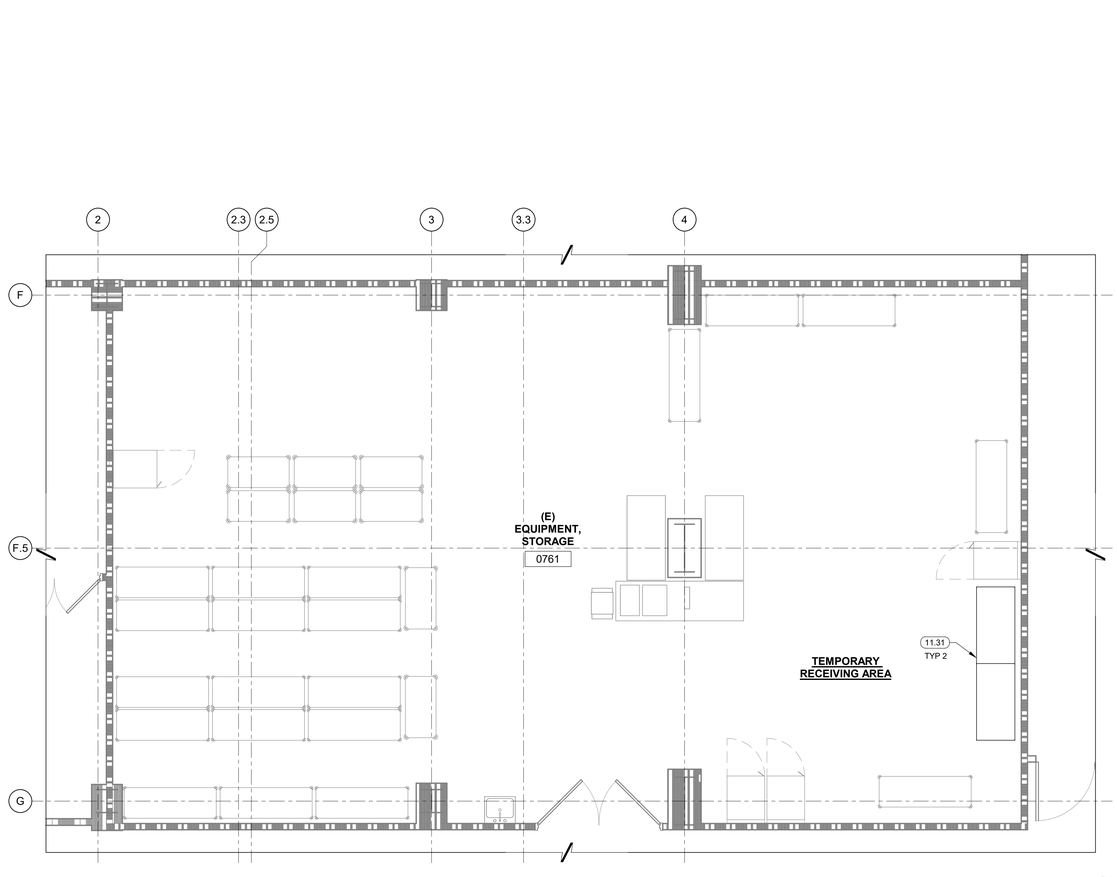

30 ENLARGED BASEMENT FLOOR PLAN - PHASE 3 - MAKE READY - ROOM 0761
1/4" = 1'-0"

GENERAL NOTES

1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
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- T — TEMPORARY CONSTRUCTION BARRIER W/ GYP BD 1-SIDE OR TEMP BARRIER SYSTEM
- VISQUEEN TEMPORARY CONSTRUCTION BARRIER.

NEW WALL & PARTITION TYPES:

- A — 1 HR RATED CORRIDOR PARTITION W/ 20 MIN. PROTECTED OPENINGS, TYP UON, SEE 2/A9.01
- B — 1 HR RATED FIRE BARRIER W/ 45 MIN PROTECTED OPENINGS (OCCUPANCY SEPARATION), TYP UON, SEE 7/A9.01
- C — NON-RATED FURRING PARTITION, TYP UON, SEE 12/A9.01
- D# — NON-RATED FIRE-RESISTIVE PARTITION W/ UNPROTECTED OPENINGS, TYP UON, SEE 17/A9.01

REMODEL KEYNOTES

11.31	METAL TABLE, SQD, SSD

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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KEN YAMAUCHI
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02-28-2025
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UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	A2.04
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2023	

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4	BACKCHECK 3	01/27/2025
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Drawn By: Author	Revit Version: 2025	

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Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
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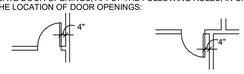
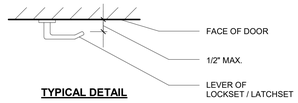
GENERAL NOTES

1. WHERE DIMENSIONS ARE NOT PROVIDED ON DWGS. OTHER THAN THE FLOOR PLANS TO LOCATE DOOR OPENINGS, APPLY THE FOLLOWING RULES, IN ORDER, TO DETERMINE THE LOCATION OF DOOR OPENINGS:



2. SEE SPECIFICATIONS FOR HARDWARE GROUPS.

3. ALL NEW HARDWARE TO BE ADA COMPLIANT, INCLUDING LEVER ACTION DOOR KNOBS. ALL LEVER RETURNS SHALL BE WITHIN 1/2" OF THE FACE OF DOORS AS SHOWN BELOW.



TYPICAL DETAIL

4. ADJUST DOOR CLOSER FOR MAXIMUM PUSH/PULL EFFORT TO OPERATE DOOR AS FOLLOWS: (EFFORT SHALL BE APPLIED AT RIGHT ANGLES TO CENTER PLANE OF DOOR):
   A. INTERIOR DOORS: NOT TO EXCEED 5 POUNDS.
   B. FIRE RATED DOORS: NOT TO EXCEED 15 POUNDS.
5. 32" MINIMUM CLEARANCE THROUGH ALL DOORS WHICH HAVE A MINIMUM OPENING OF 90 DEGREES.
6. PULL SIDE: 18" WIDE X 60" DEEP STRIKE SIDE CLEARANCE AT ALL INTERIOR DOORS, SEE DETAIL 4 / A2.15 AND A 24" WIDE X 60" DEEP STRIKE SIDE CLEARANCE AT ALL EXTERIOR DOORS.
7. PUSH SIDE: 12" WIDE X 48" DEEP STRIKE SIDE CLEARANCE AT ALL DOORS, SEE DETAIL 4 / A2.15
8. ALL DOOR CLEARANCES HAVE LEVEL LANDINGS NO MORE THAN 2% SLOPE WHICH CONNECT TO ACCESSIBLE ROUTES.
9. THRESHOLDS AT ALL DOORS HAVE A MAXIMUM ¼" CHANGE IN LEVEL, OR ½" BEVELED 1:2.
10. DOORS HAVE A CLOSING TIME OF 5 SECONDS MINIMUM FROM 90 DEGREES TO 12 DEGREES.
11. SWINGING DOORS HAVE A 10" MINIMUM OF SMOOTH, UNINTERRUPTED SURFACE OF THE DOOR ON THE PUSH SIDE.
12. DOOR HARDWARE IS MOUNTED BETWEEN 34"-44" CENTERLINE, AND DOES NOT REQUIRE PINCHING, GRASPING, OR TWISTING OF THE WRIST TO OPERATE.
13. REFER TO ID SHEETS FOR FINISHES.
14. AL=ALUMINUM, IR=IMPACT RESISTANT, HM=HOLLOW METAL
15. FOR FRAME ANCHORAGE, SEE 25 / A2.15
16. FOR DOOR CLEAR SPACE, SEE 4 / A2.15

DOOR HARDWARE SCHEDULE

ACD001

1. GROUP # A (OFFICE 0711C) - EACH OPENING TO HAVE:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	BUTT HINGES	PER SPECIFICATION	652	IVE
1 EA	OFFICE LOCK	ND50PD RHO	626	SCH
1 EA	PERMANENT CORE	TYPE AS REQUIRED	626	SCH
1 EA	SURFACE CLOSER	4040XP RW/PA TBWMS	689	LCN
1 EA	WALL STOP	WS402CCV	626	IVE
1 EA	GASKETING	188S-BK	S-BK	ZER

2. GROUP # C (NON-STERILE COMPOUNDING 0711A) - EACH OPENING TO HAVE:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	BUTT HINGES	PER SPECIFICATION	652	IVE
1 EA	ELECTRIC BUTT HINGE 8 THROUGH WIRE	PER SPECIFICATION	652	IVE
1 EA	STOREROOM ELEC MORTISE LOCK LATCHBOLT RETRACTION	LPM180EU	626	COM
1 EA	PERMANENT CORE	TYPE AS REQUIRED	630	SCH
1 EA	SURFACE CLOSER	4040XP RW/PA TBWMS	689	LCN
1 EA	EDGE GUARD	EGC308	630	MAR
1 EA	KICK PLATE	PER DRAWINGS		
1 EA	WALL STOP	WS402CCV	626	IVE
1 EA	GASKETING	188S-BK	S-BK	ZER

NOTE: KEYPAD/CARD READER, DOOR POSITION SWITCH, AND WIRING BY SECURITY VENDOR.
DOOR TO RECEIVE AUTO OPERATOR, INSTALL TO PUSH SIDE

3. GROUP # D (RECEIVING AREA 0776) - EACH OPENING TO HAVE:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	BUTT HINGES	PER SPECIFICATION	652	IVE
1 EA	ELECTRIC BUTT HINGE 8 THROUGH WIRE	PER SPECIFICATION	652	IVE
1 EA	STOREROOM MORTISE LOCK	L9465	626	SCH 1
1 EA	PERMANENT CORE	TYPE AS REQUIRED	630	SCH
1 EA	AUTO FLUSH BOLT	962	630	DCI
1 EA	DUST PROOF STRIKE	82	630	DCI
2 EA	SURFACE CLOSER	4040XP RW/PA TBWMS	689	LCN
1 EA	COORDINATOR	COR SERIES	626	IVE
1 EA	EDGE GUARD & ASTRAGAL SET	EG308 X EGT308	630	MAR
2 EA	KICK PLATE	PER DRAWINGS		
2 EA	WALL STOP	WS402CCV	626	IVE
1 EA	GASKETING	188S-BK	S-BK	ZER

NOTE: KEYPAD/CARD READER, DOOR POSITION SWITCH, AND WIRING BY SECURITY VENDOR. PROVIDE OVERHEAD STOP BY GLYNN JOHNSON 90 SERIES IN LIEU OF WALL STOP WHERE APPLICABLE.

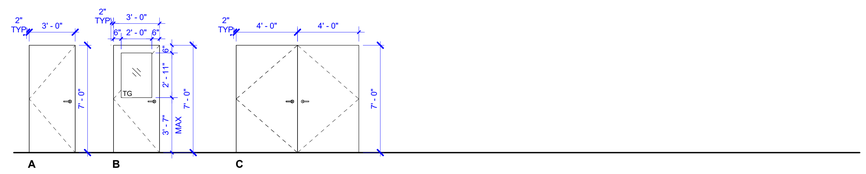
4. GROUP # F (MULTI-USER RESTROOMS 0786 & 0784) - EACH OPENING TO HAVE:

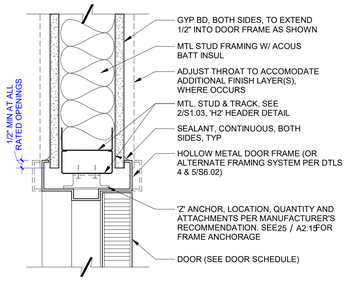
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	BUTT HINGES	PER SPECIFICATION	652	IVE
1 EA	OFFICE LOCK	ND50PD RHO	626	SCH
1 EA	PERMANENT CORE	TYPE AS REQUIRED	626	SCH
1 EA	SURFACE CLOSER	4040XP RW/PA TBWMS	689	LCN
1 EA	WALL STOP	WS402CCV	626	IVE
1 EA	GASKETING	188S-BK	S-BK	ZER

DOOR AND FRAME SCHEDULE

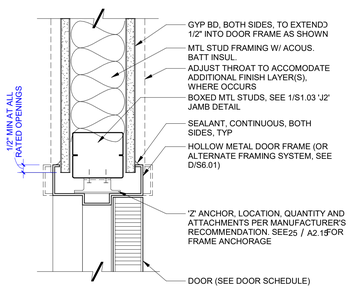
DOOR MARK	DOOR NOMINAL SIZE WIDTH	DOOR NOMINAL SIZE HEIGHT	DOOR MATERIAL	DOOR TYPE	DOOR GLASS	FRAME MATERIAL	FRAME TYPE	FRAME GLASS	FRAME DETAILS (REF. DWG. A8.01 U.O.N.) HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	DOOR HARDWARE	FIRE RATING	REMARKS
ACD001														
0776	8' - 0"	7' - 0"	HM			HM	C		8/A2.15	9/A2.15		D	45 MIN	4
0793	3' - 0"	7' - 0"	HM			HM	B	TG	8/A2.15	9/A2.15		C	-	
0772	3' - 0"	7' - 0"	HM			HM	A		(E)	(E)		A	-	
0773	3' - 0"	7' - 0"	HM			HM	A		8/A2.15	9/A2.15		F	45 MIN	4
0774	3' - 0"	7' - 0"	HM			HM	A		8/A2.15	9/A2.15		F	45 MIN	

DOOR TYPES

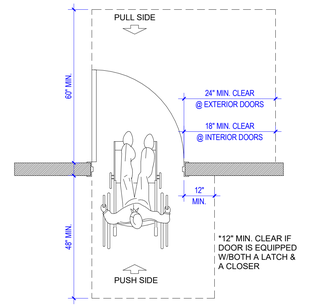




8 TYP DOOR HEAD
3" = 1'-0"



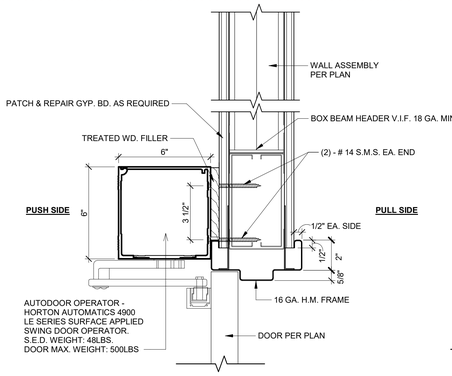
9 TYP DOOR JAMB
3" = 1'-0"



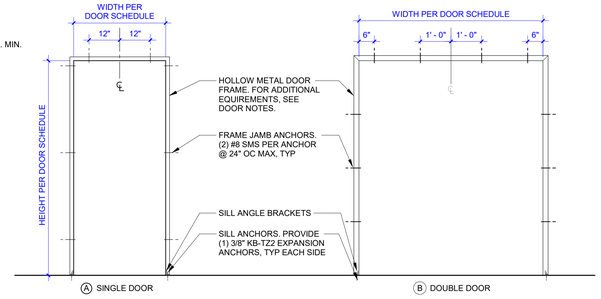
4 DOOR CLEAR SPACE
1/2" = 1'-0"

ACD001

ACD001



30 AUTO DOOR
3" = 1'-0"



25 FRAME ANCHORAGE
1/2" = 1'-0"

ACD001

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — KEVIN YAMAUCHI — C-26566 — 02-28-2027 RENEWAL DATE — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
4	BACKCHECK 3	01/27/2025
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DOOR SCHEDULE AND DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As Indicated	A2.15
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

7/22/2025 12:09:19 PM C:\Users\launo\Documents\5938 UCDH Central Pharmacy_Central_R25-REVISED SCOPE_launoJDA58.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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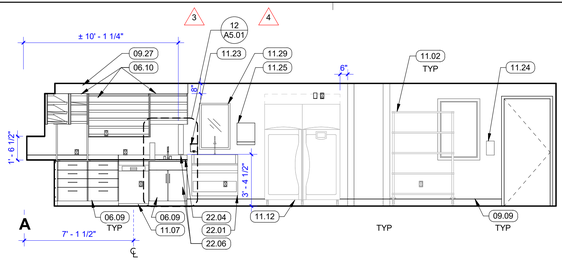
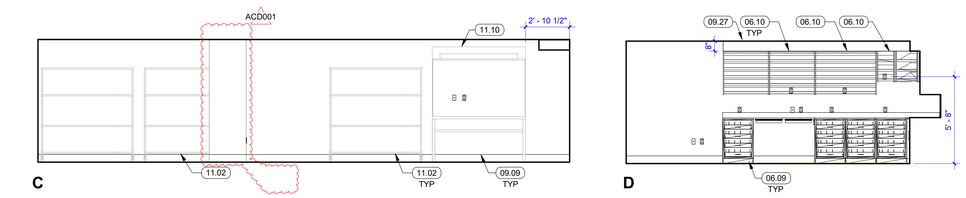


11 NON-STERILE COMPOUNDING 0711A - ELEVATIONS F & H

1/4" = 1'-0"



27 NON-STERILE COMPOUNDING 0711A

1/4" = 1'-0"

Fillmaster® System

Specifications FMF950 and FMD3400 & 3600

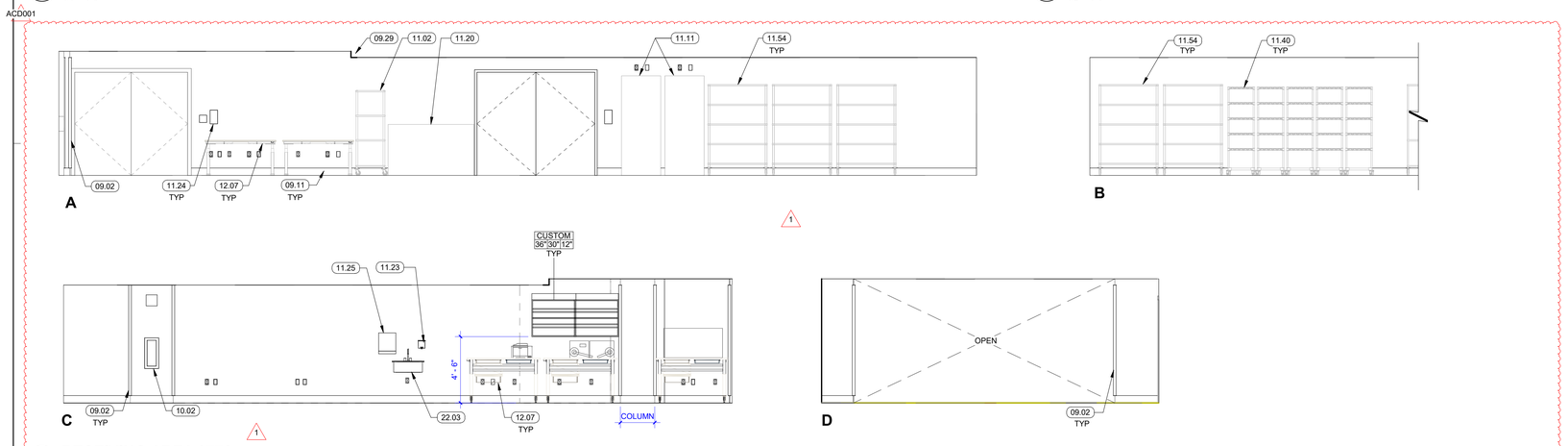
Fillmaster Systems, LLC

Reverse Osmosis Pharmacy Water Purification and Dispensing System

	DIMENSIONS							
Major Components	**Length**		**Width**		**Height**		**Net Weight**	
Empty Water Tank	12" Diameter	30.48cm	12" Diameter	30.48cm	15.50"	39.37cm	8.24 lbs.	3.73Kg
Filtration Assembly	16"	40.64cm	5.75"	14.61cm	14.50"	36.83cm	7.48 lbs.	3.39Kg
Air Gap Faucet	7.50"	19.05cm	1.50"	3.81cm	13"	33.02cm	.72 lbs.	.33Kg
Dispenser	4"	10.16cm	2.75"	6.99cm	23.25"	59.06cm	3.98 lbs.	1.89Kg
Complete System Packaged in one Cardboard carton	18"	45.72cm	15.63"	39.70cm	19-1/4"	48.90cm	33 lbs.	16.60Kg

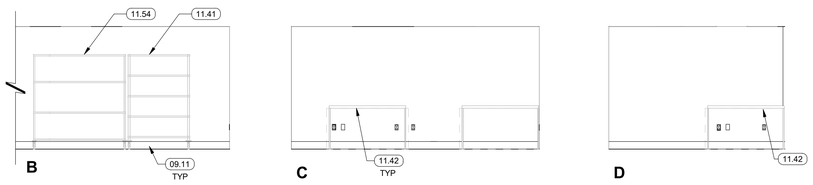
12 FILL MASTER @ SINK

1/2" = 1'-0"



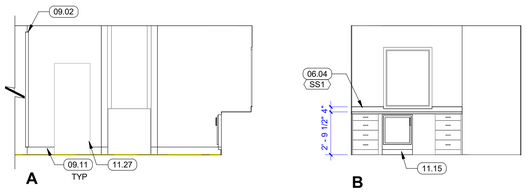
28 RECEIVING AREA 0776

1/4" = 1'-0"



29 KIT CHECK

1/4" = 1'-0"



30 PNUEMATIC TUBE STATION

1/4" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

1. REFER TO I1.00 FOR FINISH SYMBOL LEGEND, GENERAL NOTES, & SCHEDULE.
2. REFER TO FF SERIES SHEETS FOR FURNITURE CODE DESCRIPTIONS & SPECIFICATIONS.
3. REFER TO Q SERIES SHEETS FOR EQUIPMENT, TOILET & LAVATORY ACCESSORY CODE DESCRIPTIONS & SPECIFICATIONS.
4. REFER TO SG SERIES SHEETS FOR SIGNAGE CODE DESCRIPTIONS & SPECIFICATIONS.
5. FOR ADA COMPLIANT MOUNTING HEIGHTS OF FURNITURE, EQUIPMENT, TOILET & LAVATORY ACCESSORIES REFER TO 27/A9.03.

INTERIOR ELEVATION SYMBOL LEGEND

◄ XXX ►	INDICATES MATERIAL FINISH; SEE FINISH SCHEDULE
◄ PX ►	INDICATES PAINT FINISH
TYPE W | H | D COMMENTS	INDICATES CASEWORK TYPE & DIMENSIONS

INTERIOR ELEVATION NOTES

02.03	(E) PNEUMATIC TUBE SYSTEM
06.04	COUNTERTOP, SEE DETAIL 13/A9.03
06.09	METAL LOWER CASEWORK, SEE DETAIL 7/A9.03
06.10	METAL OPEN-SHELVING UPPER CASEWORK, SEE DETAIL 12/A9.03
09.02	CORNER GUARD, SEE DETAIL 1/A9.06; FOR WING WALL CONDITION, SEE 2/A9.06
09.09	6" INTEGRAL COVED WALL BASE; SEE DETAIL 8/A9.06
09.11	6" TOP SET WALL BASE, SEE DETAIL 10/A9.06
09.27	SOFFIT W/ FORTRESS WALL SYSTEM; ALIGN ENDS WITH UPPER CASEWORK, SEE DETAIL 15/A9.05
09.29	BULKHEAD LOCATE 2" BELOW LOWEST ADJACENT CEILING HEIGHT, SEE DETAIL 10/A9.05, SSD
10.02	RECESSED FIRE EXTINGUISHER CABINET, SEE DETAIL 20/A9.04
11.02	SHELVING W/ TETHERING, SQD, SSD
11.07	DISHWASHER, SQD, SSD, SMD, SED
11.08	GOWNING BENCH, SQD
11.09	BOOTIEBUTLER, SQD
11.10	POWDER HOOD, SQD, SSD, SMD, SED
11.11	(RE) REFRIGERATOR W SEISMIC ANCHORAGE, SQD, SSD, SED
11.12	REFRIGERATOR W/ SEISMIC ANCHORAGE, SQD, SSD, SED
11.15	(RE) UNDERCOUNTER REFRIGERATOR
11.17	PPE STORAGE SHELVING W/ TETHERING, SQD, SSD
11.19	(RE) PYXIS EQUIPMENT W/ SEISMIC ANCHORAGE, SQD, SSD, SED
11.20	(RE) PYXIS STORAGE SAFE, SQD, SED, SSD
11.23	SOAP DISPENSER, SQD, SEE DETAIL 27/A9.04
11.24	DEGERMER, SQD, SEE DETAIL 27/A9.04
11.25	PAPER TOWEL DISPENSER, SQD, SEE DETAIL 27/A9.04
11.27	PNEUMATIC TUBE STORAGE, SQD, SSD
11.29	MIRROR, SQD, SED, SEE DETAIL 16/A9.06
11.40	(RE) KIT CHECK MOBILE STORAGE, SEE SHEET A2.01 & Q4.01 FOR TEMPORARY LOCATION; SEE SHEET Q4.02 FOR FINAL LOCATION
11.41	(RE) WIRE SHELVING, SEE SHEETS A2.01 & Q4.01 FOR TEMPORARY LOCATION; SEE SHEETS A2.02B & Q4.02 FOR FINAL LOCATION
11.42	(RE) METAL TABLE, SEE SHEETS A2.01 & Q4.01 FOR TEMPORARY LOCATION; SEE SHEETS A2.02B & Q4.02 FOR FINAL LOCATION
11.54	(RE) WIRE SHELVING
12.07	WORKSTATION, SFFD
22.01	SCRUB SINK W/ EYE WASH FIXTURE, SEE DETAIL 15/A9.04 , SSD, SPD
22.03	HAND WASH SINK, W/ EYE WASH FIXTURE, SEE DETAIL 19/A9.04, SPD
22.04	SINK, SPD
22.06	FLOW MASTER WALL MOUNTED WATER DISPENSER; SPD; DISPENSER IS EXEMPT FROM ACCESSIBILITY REQUIREMENTS AS IT IS A "WORKSTATION ITEM" AND ONLY TO BE USED BY TRAINED STAFF FOR A SPECIFIC FUNCTION

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
2	OWNER REVISIONS	09/16/2024
3	BACKCHECK 2	12/13/2025
4	BACKCHECK 3	01/27/2025
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: INTERIOR ELEVATIONS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	**A5.01**
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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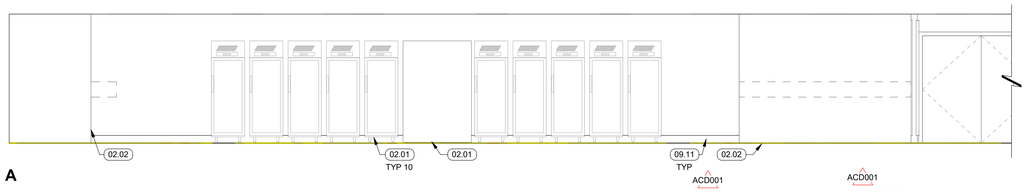
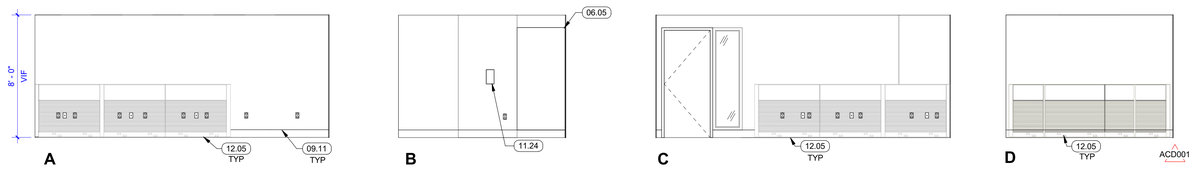


26 CENTRAL PHARMACY 0762

1/4" = 1'-0"

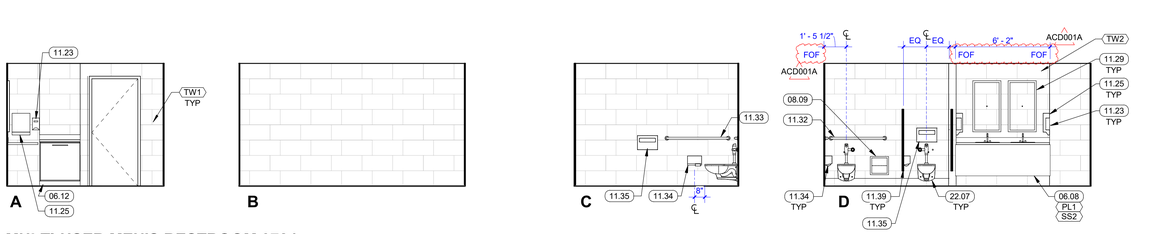
ACD001



27 OFFICE 0711C

1/4" = 1'-0"

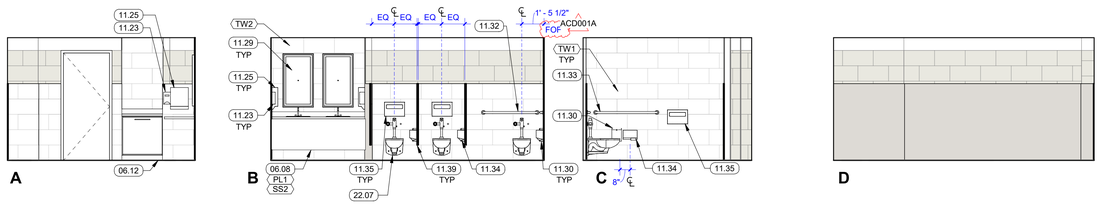
ACD001



28 MULTI-USER MEN'S RESTROOM 0784

1/4" = 1'-0"

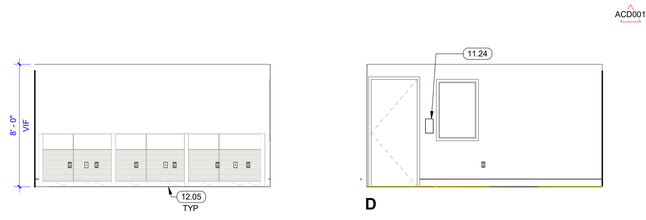
ACD001



29 MULTI-USER WOMEN'S RESTROOM 0786

1/4" = 1'-0"

ACD001



30 OFFICE 0773

1/4" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

1. REFER TO I1.00 FOR FINISH SYMBOL LEGEND, GENERAL NOTES, & SCHEDULE.
2. REFER TO FF SERIES SHEETS FOR FURNITURE CODE DESCRIPTIONS & SPECIFICATIONS.
3. REFER TO Q SERIES SHEETS FOR EQUIPMENT, TOILET & LAVATORY ACCESSORY CODE DESCRIPTIONS & SPECIFICATIONS.
4. REFER TO SG SERIES SHEETS FOR SIGNAGE CODE DESCRIPTIONS & SPECIFICATIONS.
5. FOR ADA COMPLIANT MOUNTING HEIGHTS OF FURNITURE, EQUIPMENT, TOILET & LAVATORY ACCESSORIES REFER TO 27/A9.03.

INTERIOR ELEVATION SYMBOL LEGEND

XXX — INDICATES MATERIAL FINISH; SEE FINISH SCHEDULE

PX — INDICATES PAINT FINISH

TYPE / W | H | D / COMMENTS — INDICATES CASEWORK TYPE & DIMENSIONS

INTERIOR ELEVATION NOTES

02.01	(E) REFRIGERATOR TO REMAIN, INSTALL SEISMIC BRACING
02.02	(E) CAROUSEL TO REMAIN
06.05	BUILT-IN CASEWORK
06.08	SOLID SURFACE COUNTER TOP W/ SLOPED PANEL & SINK, SEE DETAIL 9/A9.03, SPD
06.12	WASTE RECEPTACLE LOWER CASEWORK, SEE DETAIL 20/A9.03
08.09	SS ACCESS PANEL TO MATCH (E)
09.02	CORNER GUARD, SEE DETAIL 1/A9.06; FOR WING WALL CONDITION, SEE 2/A9.06
09.11	6" TOP SET WALL BASE, SEE DETAIL 10/A9.06
09.29	(E) UPPER PORTION OF WALL TO BE MODIFIED TO SUSPENDED BULKHEAD LOCATE 2" BELOW LOWEST ADJACENT CEILING HEIGHT, SEE DETAIL 10/A9.05; UPPER PORTION OF THIS WALL WILL BE ATTACHED TO THE DECK ABOVE, SSD
11.11	(RE) REFRIGERATOR W SEISMIC ANCHORAGE, SQD, SSD, SED
11.19	(RE) PYXIS EQUIPMENT W/ SEISMIC ANCHORAGE, SQD, SSD, SED
11.22	CAROUSEL, SQD, SSD, SED
11.23	SOAP DISPENSER, SQD, SEE DETAIL 27/A9.04
11.24	DEGERMER, SQD, SEE DETAIL 27/A9.04
11.25	PAPER TOWEL DISPENSER, SQD, SEE DETAIL 27/A9.04
11.29	MIRROR, SQD, SED, SEE DETAIL 16/A9.06
11.30	SANITARY NAPKIN RECEPTACLE, SQD, SEE DETAIL 27/A9.04
11.32	42" GRAB BAR, SQD, SEE DETAILS 27 & 30/A9.04
11.33	48" GRAB BAR, SQD, SEE DETAILS 27 & 30/A9.04
11.34	TOILET PAPER DISPENSER, SQD, SEE DETAIL 27/A9.04
11.35	TOILET SEAT COVER DISPENSER, SQD, SEE DETAIL 27/A9.04
11.39	TOILET PARTITION, SEE DETAILS 14 & 15/A9.06
12.05	42" TALL FURNITURE PANELS, SEE DETAIL 16/S4.00 AND 20/S4.00, FFD, SED
22.07	TOILET, SPD

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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530.758.1270 tel | 530.758.4789 fax

1 CONSULTANTS:

Issued to	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
ACD001	SCOPE REDUCTION	07/22/2025
ACD001A	SCOPE REDUCTION BACKCHECK 1	Date 6

100% CONSTRUCTION DOCUMENTS

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HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: INTERIOR ELEVATIONS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A5.02
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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SCOPE PHASE REVISED
SHEET NO LONGER NEEDED

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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HEIDI YAMAUCHI
C-26566
02-28-2027
RENEWAL DATE
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UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95317
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No. 9558910
HCAI No. S241013-34-00
Bldg No. BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Mnr. DAVIS TOWER BASEMENT
Project DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title NOT USED

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A5.03
UCDMC Project Mgr. Checker	Scale:	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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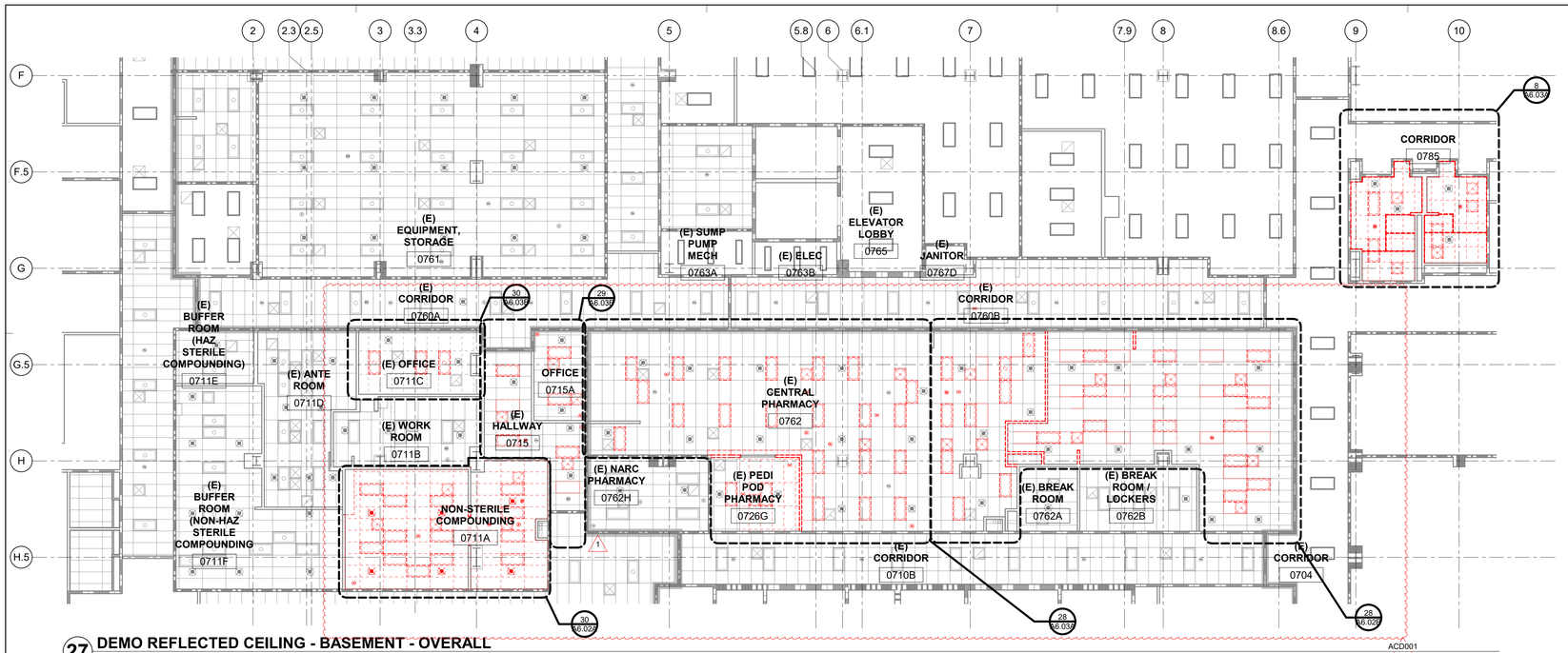
7/22/2025 12:09:31 PM

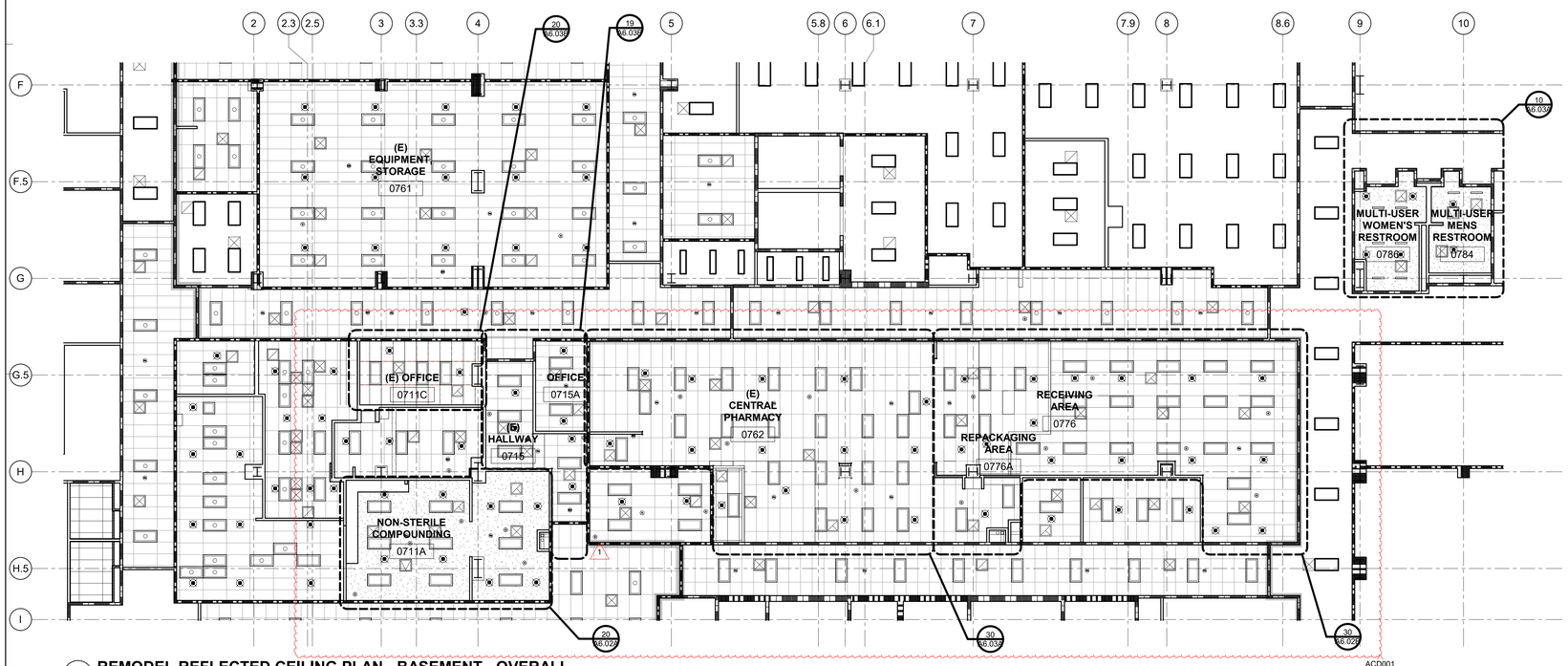
GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY 1"



27 DEMO REFLECTED CEILING - BASEMENT - OVERALL

1" = 10'-0"



30 REMODEL REFLECTED CEILING PLAN - BASEMENT - OVERALL

1" = 10'-0"

GENERAL NOTES

1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO INSTALLATION.
2. REFER TO I1.00 FOR FINISH SCHEDULE, SYMBOL LEGEND & GENERAL NOTES FOR CEILING FINISH & WINDOW TREATMENT TYPES PER LOCATION.
3. CEILING HEIGHT SHALL BE 8'-0" AFF, UON.
4. REFER TO Q, SG, S, M, P, E, SE, & F SERIES SHEETS FOR ADDITIONAL INFORMATION.
5. CONTRACTOR TO PROTECT IN PLACE OVERHEAD PAGING SYSTEM AND WIRELESS ACCESS DURING CONSTRUCTION.
6. TELECOMMUNICATION CABLING SHALL BE REMOVED BACK TO SERVICING TR AND REPLACED WITH (N) UCDH STANDARD.
7. ALL PLAN ITEMS SHOWN ARE NEW UNLESS OTHERWISE INDICATED AS "(E)" OR "EXISTING".

LEGEND

- (E) ELEMENT(S) TO BE DEMOLISHED, SEE DEMO KEYNOTES
- DEMO (E) SUSPENDED ACCOUSTICAL CEILING SYSTEM
- 24" x 48" SUSPENDED ACCOUSTICAL CEILING SYSTEM. SEE SHEETS A9.05
- GYPSUM BOARD CEILING SEE SHEETS A9.05 REFER TO FINISH SCHEDULE & GENERAL FINISH NOTES ON I1.00 FOR PAINT COLOR & SHEEN PER LOCATION
- RETURN GRILLE, SMD
- EXHAUST DIFFUSER, SMD
- SUPPLY DIFFUSER, SMD
- ACCESS PANEL. REFER TO FINISH SCHEDULE & GENERAL FINISH NOTES ON I1.00 FOR PAINT COLOR & SHEEN PER LOCATION
- SMOKE DETECTOR, SFAD
- FIRE SPRINKLER, SFSD
- PA SPEAKERS
- SECURITY CAMERA, SSED
- WIRELESS ACCESS POINT, SED
- 24" x 48" LIGHT FIXTURE, RECESSED, SED
- RECESSED LIGHT FIXTURE, SED

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S24103-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
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(916)734-7024

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1	BACKCHECK 1	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OVERALL REFLECTED CEILING PLANS - BASEMENT

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	A6.01
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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2. REFER TO I1.00 FOR FINISH SCHEDULE, SYMBOL LEGEND & GENERAL NOTES FOR CEILING FINISH & WINDOW TREATMENT TYPES PER LOCATION.
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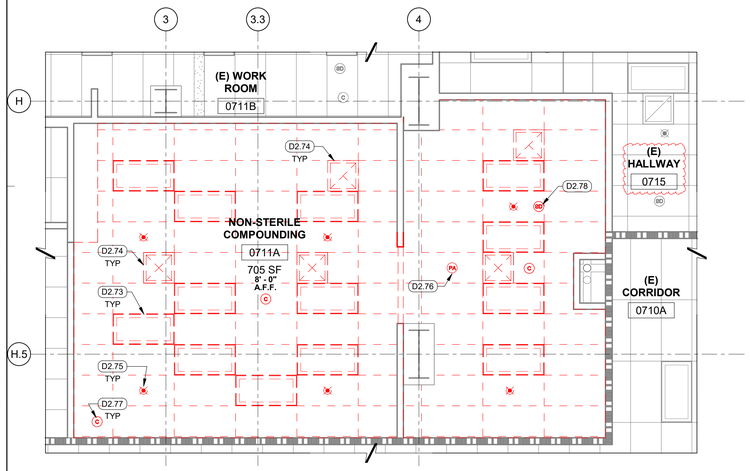
- 24" x 48" SUSPENDED ACCOUSTICAL CEILING SYSTEM. SEE SHEETS A10.09 - A 10.14
- GYPSUM BOARD CEILING SEE SHEETS A10.15 - A 10.21 REFER TO FINISH SCHEDULE & GENERAL FINISH NOTES ON I1.00 FOR PAINT COLOR & SHEEN PER LOCATION
- RETURN GRILLE, SMD
- EXHAUST DIFFUSER, SMD
- SUPPLY DIFFUSER, SMD
- ACCESS PANEL. REFER TO FINISH SCHEDULE & GENERAL FINISH NOTES ON I1.00 FOR PAINT COLOR & SHEEN PER LOCATION
- ILLUMINATED DIRECTIONAL EXIT SIGN, SED
- SMOKE DETECTOR, SFAD
- FIRE SPRINKLER, SFSD
- CEILING DATA LOCATION, SED
- WIRELESS ACCESS POINT, SED
- DISTRIBUTED ANTENNA SYSTEM (DAS), SED
- 24" 48" LIGHT FIXTURE, RECESSED, SED
- 24" 24" LIGHT FIXTURE, RECESSED, SED

DEMO KEYNOTES

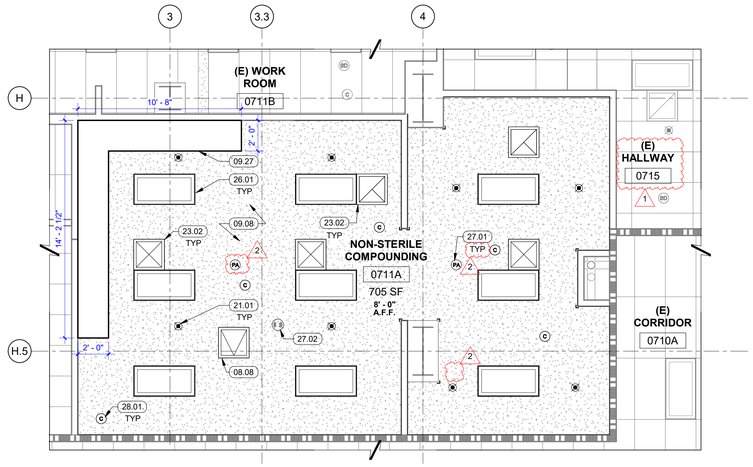
D2.73	DEMO (E) LIGHT FIXTURE
D2.74	DEMO (E) MECHANICAL GRILLE
D2.75	DEMO (E) FIRE SPRINKLER
D2.76	DEMO (E) PUBLIC ADDRESS SPEAKER
D2.77	DEMO (E) SECURITY CAMERA
D2.78	DEMO (E) SMOKE DETECTOR

REMODEL KEYNOTES

08.08	HARDLID CEILING ACCESS PANEL; LOCATE AT VAV, SEE DETAIL 1/A9.05, SMD
09.08	GYPSUM HARD LID CEILING, SEE SHEETS A10.15 - A10.21
09.27	SOFFIT W/ FORTRESS WALL SYSTEM; ALIGN ENDS WITH UPPER CASEWORK, SEE DETAIL 15/A9.05
21.01	FIRE SPRINKLER, SFPD
23.02	MECHANICAL GRILLE, SMD
26.01	24 X 48 RECESSED LIGHT FIXTURE, SED
27.01	PUBLIC ADDRESS SYSTEM SPEAKER, SED
27.02	WIRELESS ACCESS POINT, SED
28.01	SECURITY CAMERA, SSED



30 BASEMENT DEMO RCP - PHASE 1 - 0711A
1/4" = 1'-0"



20 BASEMENT REMODEL RCP - PHASE 1 - 0711A
1/4" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

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1	BACKCHECK 1	09/16/2024
2	OWNER REVISIONS	09/16/2024

100% CONSTRUCTION DOCUMENTS

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HCA No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: REFLECTED CEILING PLANS - BASEMENT - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A6.02A
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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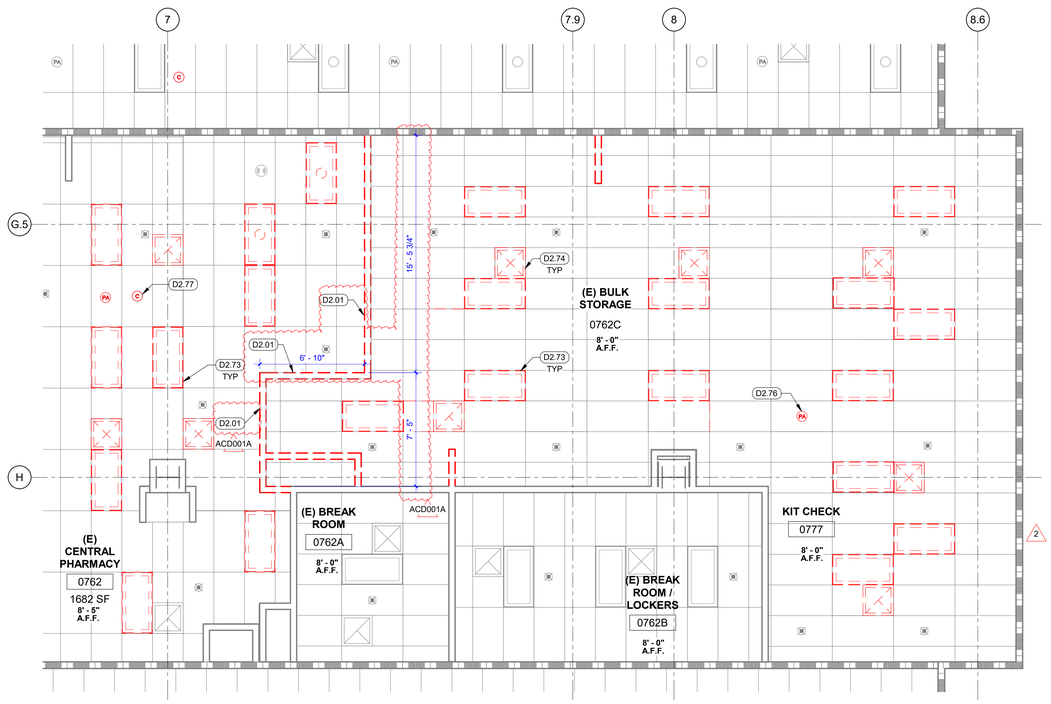
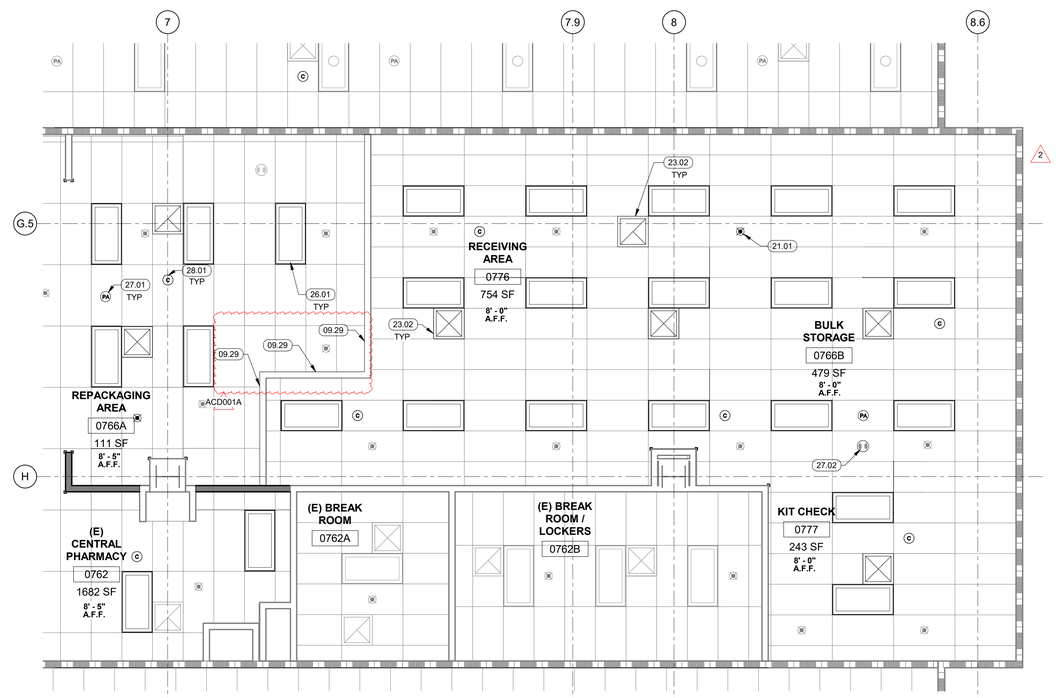
ACD001



28 BASEMENT DEMO RCP - PHASE 1

1/4" = 1'-0"



30 BASEMENT REMODEL RCP - PHASE 1

1/4" = 1'-0"

GENERAL NOTES

1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO INSTALLATION.
2. REFER TO I1.00 FOR FINISH SCHEDULE, SYMBOL LEGEND & GENERAL NOTES FOR CEILING FINISH & WINDOW TREATMENT TYPES PER LOCATION.
3. CEILING HEIGHT SHALL BE 8'-0" AFF, UON.
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LEGEND

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- ACCESS PANEL. REFER TO FINISH SCHEDULE & GENERAL FINISH NOTES ON I1.00 FOR PAINT COLOR & SHEEN PER LOCATION
- ILLUMINATED DIRECTIONAL EXIT SIGN, SED
- SD — SMOKE DETECTOR, SFAD
- FIRE SPRINKLER, SFSD
- CEILING DATA LOCATION, SED
- WIRELESS ACCESS POINT, SED
- DISTRIBUTED ANTENNA SYSTEM (DAS), SED
- 24" 48" LIGHT FIXTURE, RECESSED, SED
- 24" 24" LIGHT FIXTURE, RECESSED, SED

DEMO KEYNOTES

ACD001A

D2.01	DEMO LOWER PORTION OF (E) WALL PARTITION AND ATTACHMENT TO FLOOR TO 2" BELOW LOWEST ADJACENT CEILING HEIGHT; REMAINING PORTION OF WALL TO BE CONVERTED INTO SUSPENDED BULKHEAD
D2.73	DEMO (E) LIGHT FIXTURE
D2.74	DEMO (E) MECHANICAL GRILLE
D2.76	DEMO (E) PUBLIC ADDRESS SPEAKER
D2.77	DEMO (E) SECURITY CAMERA

REMODEL KEYNOTES

ACD001 ACD001A

09.29	(E) UPPER PORTION OF WALL TO BE MODIFIED TO SUSPENDED BULKHEAD LOCATE 2" BELOW LOWEST ADJACENT CEILING HEIGHT, SEE DETAIL 10/A9.05; UPPER PORTION OF THIS WALL WILL BE ATTACHED TO THE DECK ABOVE, SSD
21.01	FIRE SPRINKLER, SFPD
23.02	MECHANICAL GRILLE, SMD
26.01	24 X 48 RECESSED LIGHT FIXTURE, SED
27.01	PUBLIC ADDRESS SYSTEM SPEAKER, SED
27.02	WIRELESS ACCESS POINT, SED
28.01	SECURITY CAMERA, SSED

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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Issued to	ISSUED FOR	Date
2	OWNER REVISIONS	09/16/2024
ACD001	SCOPE REDUCTION	07/22/2025
ACD001A	SCOPE REDUCTION BACKCHECK 1	Date 6

100% CONSTRUCTION DOCUMENTS

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Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A6.02B
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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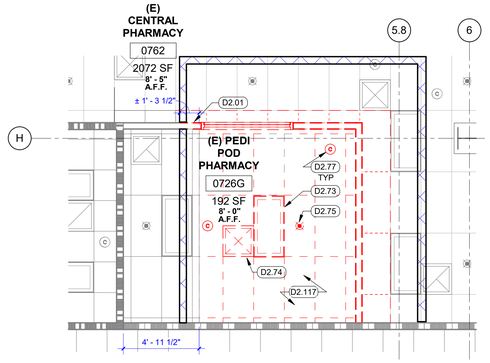
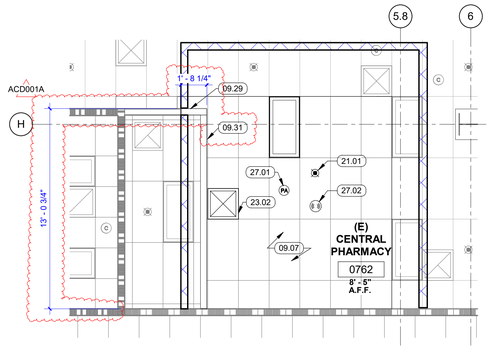


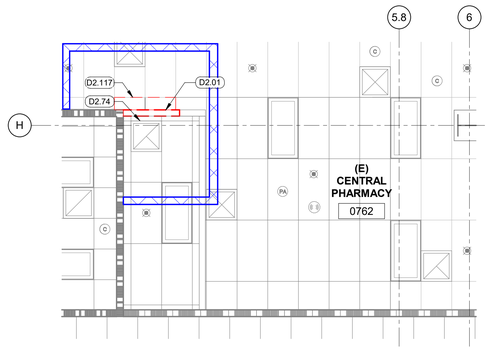
1 ENLARGED BASEMENT DEMO RCP - MAKE READY 1 - PHASE 2

1/4" = 1'-0"



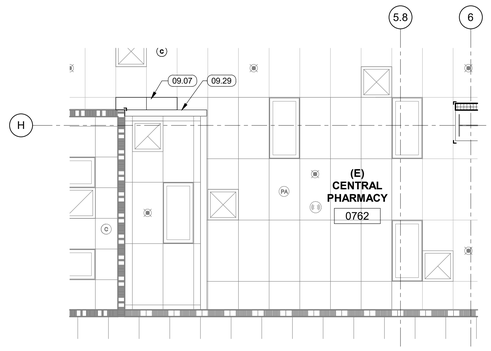
3 ENLARGED BASEMENT REMODEL RCP - MAKE READY 1 - PHASE 2

1/4" = 1'-0"



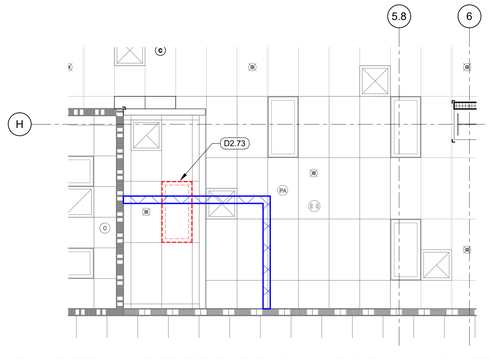
4 ENLARGED BASEMENT DEMO RCP - MAKE READY 2 - PHASE 2

1/4" = 1'-0"



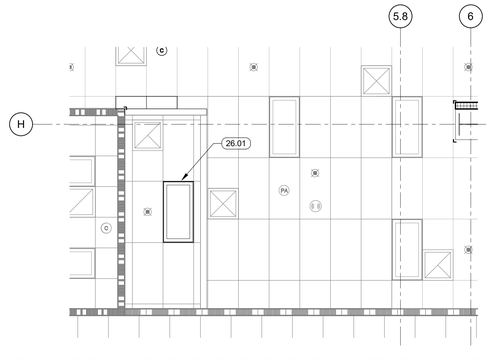
5 ENLARGED BASEMENT REMODEL RCP - MAKE READY 2 - PHASE 2

1/4" = 1'-0"



6 ENLARGED BASEMENT DEMO RCP - MAKE READY 3 - PHASE 2

1/4" = 1'-0"



7 ENLARGED BASEMENT REMODEL RCP - MAKE READY 3 - PHASE 2

1/4" = 1'-0"

GENERAL NOTES

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2. REFER TO I1.00 FOR FINISH SCHEDULE, SYMBOL LEGEND & GENERAL NOTES FOR CEILING FINISH & WINDOW TREATMENT TYPES PER LOCATION.
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- GYPSUM BOARD CEILING SEE SHEETS A10.15 - A 10.21 REFER TO FINISH SCHEDULE & GENERAL FINISH NOTES ON I1.00 FOR PAINT COLOR & SHEEN PER LOCATION
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- SUPPLY DIFFUSER, SMD
- ACCESS PANEL. REFER TO FINISH SCHEDULE & GENERAL FINISH NOTES ON I1.00 FOR PAINT COLOR & SHEEN PER LOCATION
- ILLUMINATED DIRECTIONAL EXIT SIGN, SED
- SMOKE DETECTOR, SFAD
- FIRE SPRINKLER, SFSD
- CEILING DATA LOCATION, SED
- WIRELESS ACCESS POINT, SED
- DISTRIBUTED ANTENNA SYSTEM (DAS), SED
- 24" 48" LIGHT FIXTURE, RECESSED, SED
- 24" 24" LIGHT FIXTURE, RECESSED, SED

DEMO KEYNOTES

ACD001A

D2.01	DEMO LOWER PORTION OF (E) WALL PARTITION AND ATTACHMENT TO FLOOR TO 2' BELOW LOWEST ADJACENT CEILING HEIGHT; REMAINING PORTION OF WALL TO BE CONVERTED INTO SUSPENDED BULKHEAD
D2.73	DEMO (E) LIGHT FIXTURE
D2.74	DEMO (E) MECHANICAL GRILLE
D2.75	DEMO (E) FIRE SPRINKLER
D2.77	DEMO (E) SECURITY CAMERA
D2.117	DEMO AND REPLACE (E) CEILING GRID TO MATCH (E) ADJACENT CENTRAL PHARMACY CEILING GRID

REMODEL KEYNOTES

ACD001A

09.07	ACT CEILING AND GRID, SEE SHEETS A10.09 - A10.14
09.29	(E) UPPER PORTION OF WALL TO BE MODIFIED TO SUSPENDED BULKHEAD LOCATE 2" BELOW LOWEST ADJACENT CEILING HEIGHT, SEE DETAIL 10/A9.05; UPPER PORTION OF THIS WALL WILL BE ATTACHED TO THE DECK ABOVE, SSD
09.31	SUSPENDED BULKHEAD LOCATE 2" BELOW LOWEST ADJACENT CEILING HEIGHT, SEE DETAIL 10/A9.05; UPPER PORTION OF THIS WALL WILL BE ATTACHED TO THE DECK ABOVE, SSD
21.01	FIRE SPRINKLER, SFPD
23.02	MECHANICAL GRILLE, SMD
26.01	24 X 48 RECESSED LIGHT FIXTURE, SED
27.01	PUBLIC ADDRESS SYSTEM SPEAKER, SED
27.02	WIRELESS ACCESS POINT, SED

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
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9/25/2025, 2:49:59 PM
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(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
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CONSULTANTS:

Issued to	ISSUED FOR	Date
ACD001	SCOPE REDUCTION	07/22/2025
ACD001A	SCOPE REDUCTION BACKCHECK 1	Date 6

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED DEMO AND REMODEL RCPS - BASEMENT - MAKE READY - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A6.03 ACD001
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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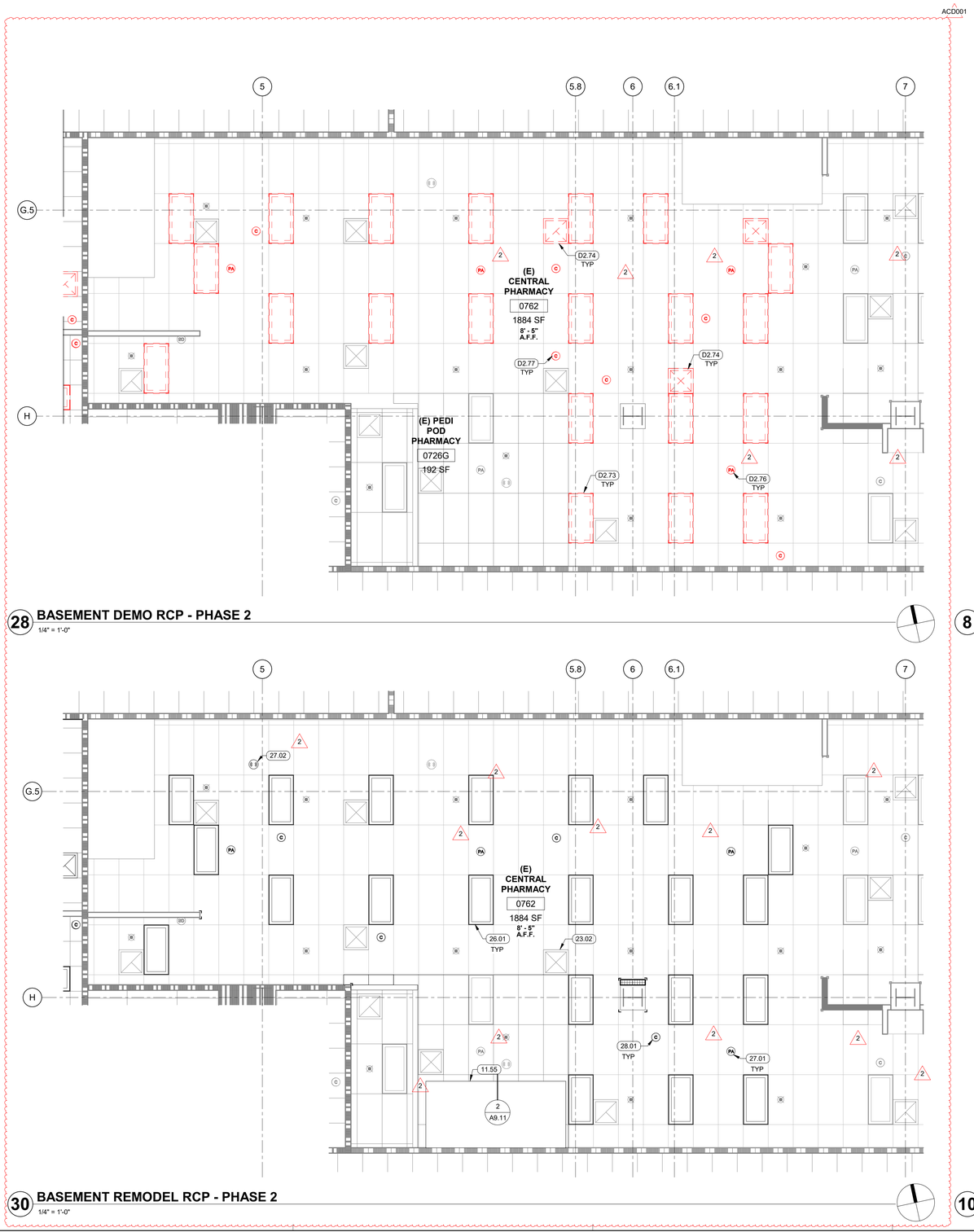
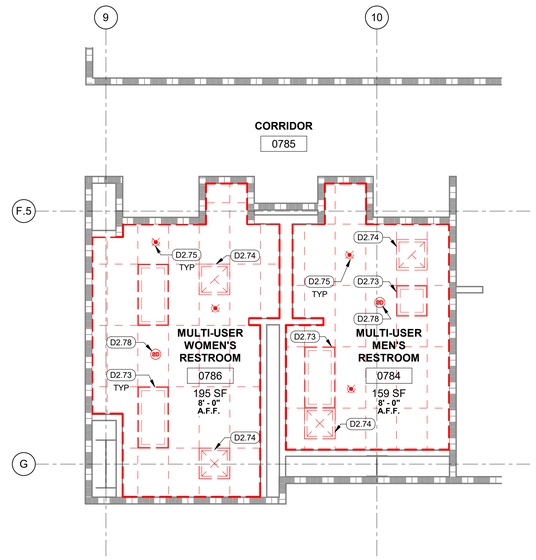
GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

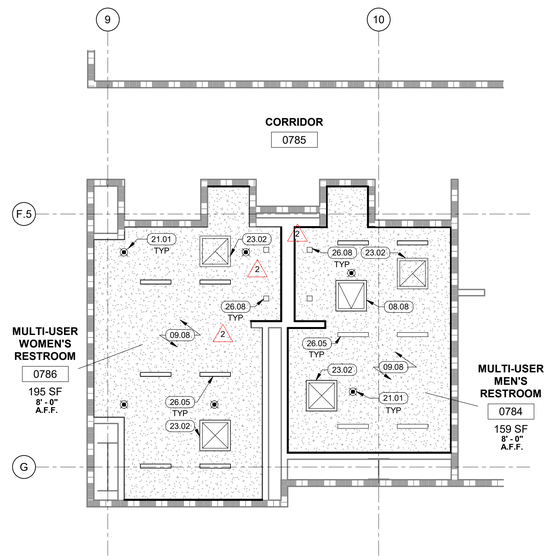


28 BASEMENT DEMO RCP - PHASE 2
1/4" = 1'-0"



8 BASEMENT DEMO RCP - PHASE 2 - MULTI-USER STAFF RESTROOMS
1/4" = 1'-0"

30 BASEMENT REMODEL RCP - PHASE 2
1/4" = 1'-0"



10 BASEMENT REMODEL RCP - PHASE 2 - MULTI-USER STAFF RESTROOMS
1/4" = 1'-0"

GENERAL NOTES

1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO INSTALLATION.
2. REFER TO I1.00 FOR FINISH SCHEDULE, SYMBOL LEGEND & GENERAL NOTES FOR CEILING FINISH & WINDOW TREATMENT TYPES PER LOCATION.
3. CEILING HEIGHT SHALL BE 8'-0" AFF, UON.
4. REFER TO Q, SG, S, M, P, E, SE, & F SERIES SHEETS FOR ADDITIONAL INFORMATION.
5. CONTRACTOR TO PROTECT IN PLACE OVERHEAD PAGING SYSTEM AND WIRELESS ACCESS DURING CONSTRUCTION.
6. TELECOMMUNICATION CABLING SHALL BE REMOVED BACK TO SERVICING TR AND REPLACED WITH (N) UCDH STANDARD.
7. ALL PLAN ITEMS SHOWN ARE NEW UNLESS OTHERWISE INDICATED AS "(E)" OR "EXISTING".

LEGEND

- (E) ELEMENT(S) TO BE DEMOLISHED, SEE DEMO KEYNOTES
- DEMO (E) SUSPENDED ACCOUSTICAL CEILING SYSTEM
- 24" x 48" SUSPENDED ACCOUSTICAL CEILING SYSTEM. SEE SHEETS A10.09 - A 10.14
- GYPSUM BOARD CEILING SEE SHEETS A10.15 - A 10.21 REFER TO FINISH SCHEDULE & GENERAL FINISH NOTES ON I1.00 FOR PAINT COLOR & SHEEN PER LOCATION
- RETURN GRILLE, SMD
- EXHAUST DIFFUSER, SMD
- SUPPLY DIFFUSER, SMD
- ACCESS PANEL. REFER TO FINISH SCHEDULE & GENERAL FINISH NOTES ON I1.00 FOR PAINT COLOR & SHEEN PER LOCATION
- ILLUMINATED DIRECTIONAL EXIT SIGN, SED
- SMOKE DETECTOR, SFAD
- FIRE SPRINKLER, SFSD
- CEILING DATA LOCATION, SED
- WIRELESS ACCESS POINT, SED
- DISTRIBUTED ANTENNA SYSTEM (DAS), SED
- 24" 48" LIGHT FIXTURE, RECESSED, SED
- 24" 24" LIGHT FIXTURE, RECESSED, SED

DEMO KEYNOTES

D2.73	DEMO (E) LIGHT FIXTURE
D2.74	DEMO (E) MECHANICAL GRILLE
D2.75	DEMO (E) FIRE SPRINKLER
D2.76	DEMO (E) PUBLIC ADDRESS SPEAKER
D2.77	DEMO (E) SECURITY CAMERA
D2.78	DEMO (E) SMOKE DETECTOR

REMODEL KEYNOTES

08.08	HARDLID CEILING ACCESS PANEL; LOCATE AT VAV, SEE DETAIL 1/A9.05, SMD
09.08	GYPSUM HARD LID CEILING, SEE SHEETS A10.15 - A10.21
11.55	CAROUSEL CLOSURE PANEL PROVIDED BY VENDOR, SEE DETAILS 1/A9.11 & 2/A9.11
21.01	FIRE SPRINKLER, SFPD
23.02	MECHANICAL GRILLE, SMD
26.01	24 X 48 RECESSED LIGHT FIXTURE, SED
26.05	MARK ARCHITECTURAL LIGHT FIXTURE, SED
26.08	LITHONIA LIGHTING LDN4SQ LIGHT FIXTURE; ALIGN W/ SINK BELOW, SED
27.01	PUBLIC ADDRESS SYSTEM SPEAKER, SED
27.02	WIRELESS ACCESS POINT, SED
28.01	SECURITY CAMERA, SSED

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
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HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
2	OWNER REVISIONS	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: REFLECTED CEILING PLANS - BASEMENT - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	A6.03A
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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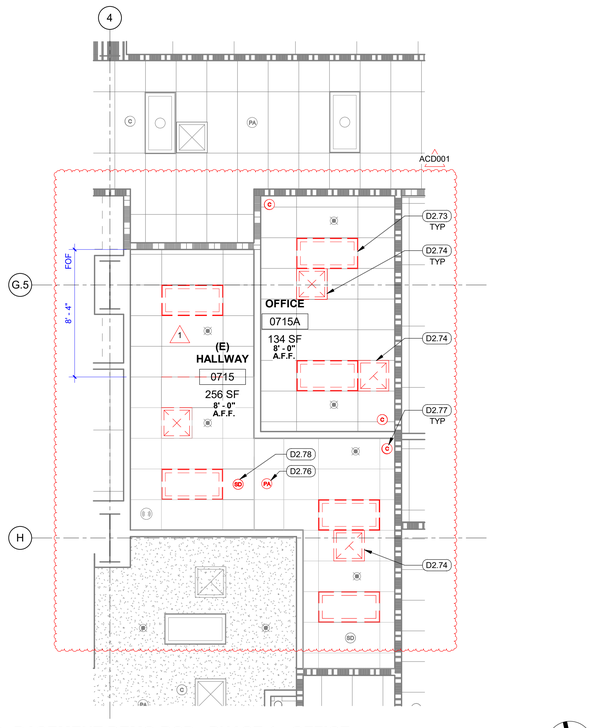
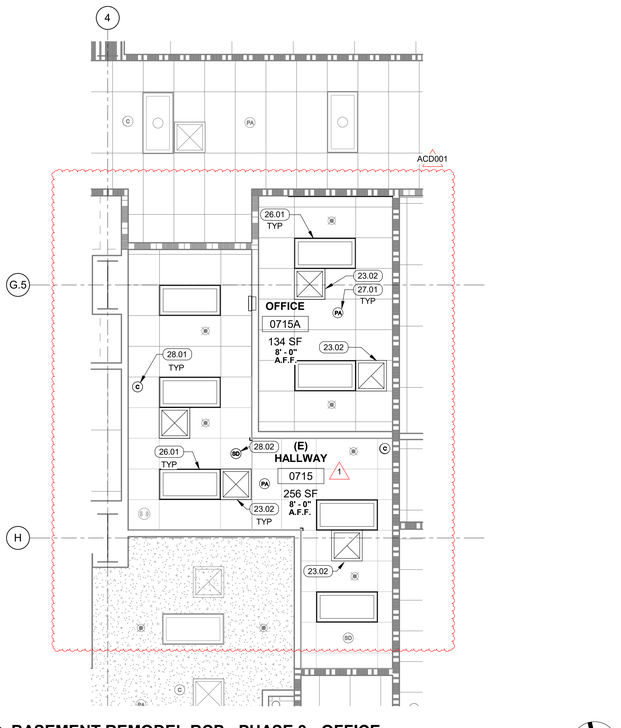
GRAPHIC SCALES: 1/16" = 1'-0" (0 5' 50') | 1/8" = 1'-0" (0 5' 25') | 1/4" = 1'-0" (0 1' 12') | 1/2" = 1'-0" (0 1' 6') | 3/4" = 1'-0" (0 4') | 1" = 1'-0" (0 1' 3') | 1 1/2" = 1'-0" (0 2') | 3" = 1'-0" (0 A REDUCED PRINT SCALE ACCORDINGLY 1")

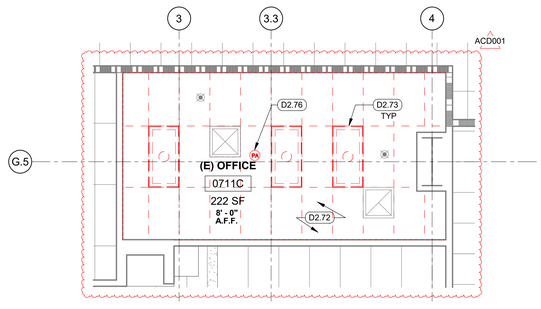
IF THIS SHEET IS NOT 30"x42" , IT IS



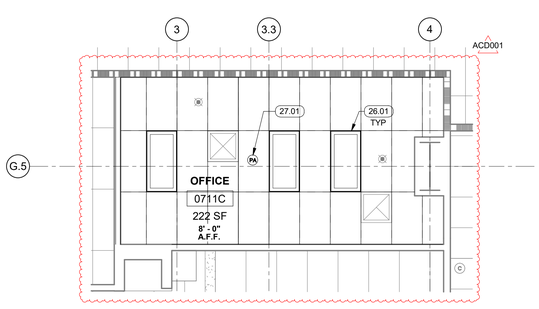
29 BASEMENT DEMO RCP - PHASE 1 - OFFICE
1/4" = 1'-0"



19 BASEMENT REMODEL RCP - PHASE 3 - OFFICE
1/4" = 1'-0"



30 BASEMENT DEMO RCP - PHASE 3 - ROOM 0711C
1/4" = 1'-0"



20 BASEMENT REMODEL RCP - PHASE 3 - ROOM 0711C
1/4" = 1'-0"

GENERAL NOTES

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- EXHAUST DIFFUSER, SMD
- SUPPLY DIFFUSER, SMD
- ACCESS PANEL. REFER TO FINISH SCHEDULE & GENERAL FINISH NOTES ON I1.00 FOR PAINT COLOR & SHEEN PER LOCATION
- ILLUMINATED DIRECTIONAL EXIT SIGN, SED
- SD — SMOKE DETECTOR, SFAD
- FIRE SPRINKLER, SFSD
- CEILING DATA LOCATION, SED
- WIRELESS ACCESS POINT, SED
- DISTRIBUTED ANTENNA SYSTEM (DAS), SED
- 24" 48" LIGHT FIXTURE, RECESSED, SED
- 24" 24" LIGHT FIXTURE, RECESSED, SED

DEMO KEYNOTES

D2.72	DEMO & REPLACE (E) ACT, GRID TO REMAIN
D2.73	DEMO (E) LIGHT FIXTURE
D2.74	DEMO (E) MECHANICAL GRILLE
D2.76	DEMO (E) PUBLIC ADDRESS SPEAKER
D2.77	DEMO (E) SECURITY CAMERA
D2.78	DEMO (E) SMOKE DETECTOR

REMODEL KEYNOTES

23.02	MECHANICAL GRILLE, SMD
26.01	24 X 48 RECESSED LIGHT FIXTURE, SED
27.01	PUBLIC ADDRESS SYSTEM SPEAKER, SED
28.01	SECURITY CAMERA, SSED
28.02	SMOKE DETECTOR, SED

2

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S24103-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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HY ARCHITECTS PROJECT #: 5938

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Drawn By: Author	Revit Version: 2025	

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SCOPE PHASE REVISED
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2

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HEIDI YAMAUCHI
C-26566
02-28-2027
RENEWAL DATE
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Sheet Title NOT USED

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A6.04A
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Drawn By: Author	Revit Version: 2025	

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ACDC

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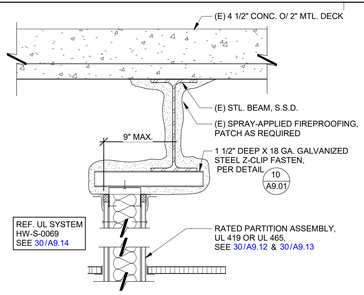
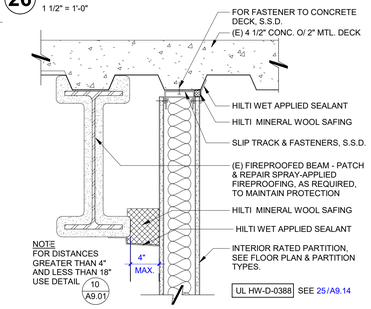


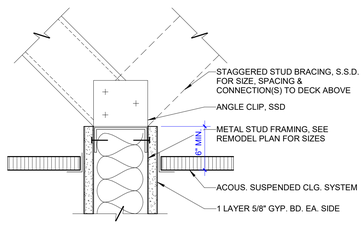
26 RATED HEAD OF WALL - OFFSET FROM BEAM

1 1/2" = 1'-0"



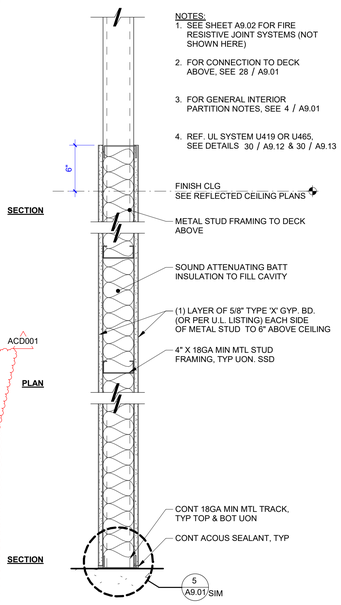
27 HEAD OF WALL ADJACENT TO BEAM

1 1/2" = 1'-0"



28 NON-RATED BRACED HEAD OF WALL - OPTION

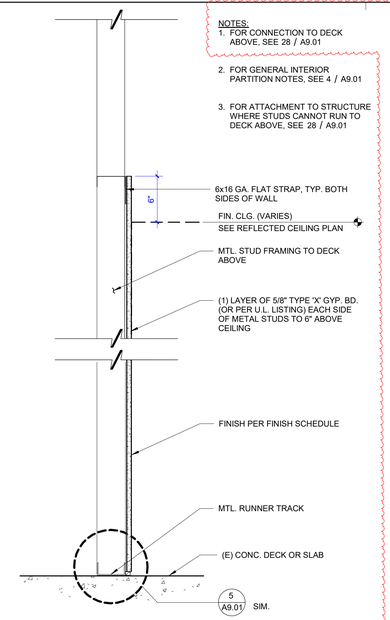
3" = 1'-0"



TYP. NON-RATED PARTITION (FIRE RESISTIVE) W/ UNPROTECTED OPENINGS

17 TYPE 'D' -

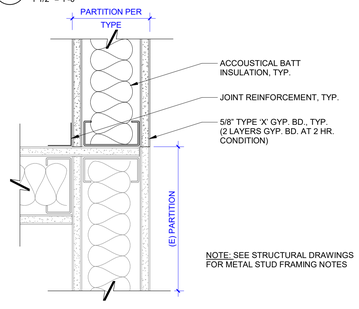
1 1/2" = 1'-0"



NON-RATED PARTITION - FURRING

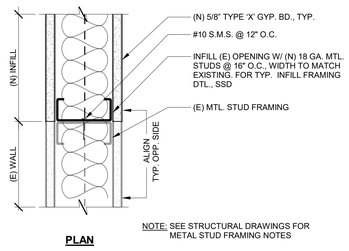
12 TYPE 'C' -

1 1/2" = 1'-0"



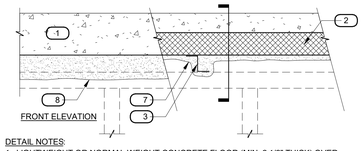
13 PARTITION INTERSECTION

ACD001 3" = 1'-0"



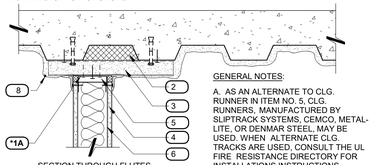
14 (N) TO (E) WALL INFILL

3" = 1'-0"



DETAIL NOTES:

1. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MIN. 2 1/2" THICK) OVER METAL DECKING (2-HOUR RATING)
2. HILTI CP 77 SPEED PLUGS FRICTION FITTED TO COMPLETELY FILL FLUTES. ADJACENT LENGTHS OF SPEED PLUGS TO BE TIGHTLY BUTTED WITH SEAMS SPACED MIN. 24" APART ALONG LENGTH OF THE PLUGS.
3. STANDARD Z-SHAPED CLIPS ARE 18GA. GALVANIZED STEEL WITH THE FOLLOWING DIMENSIONS: 1" TO 2 1/2" HIGH WITH A 1 1/2" UPPER LEG AND 1 1/2" LOWER LEG MAX. 16" C/C ATTACHED W/ APPROPRIATE HILTI PIN.
4. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400 SERIES) (1 HR. OR 2 HR. FIRE RATING)
5. CLG. RUNNER (MIN. 25 GA. W/ 2" FLANGES) INSTALLED PARALLEL TO DIRECTION OF STEEL FLOOR UNITS AND SECURED TO STEEL Z-CLIPS WITH APPROPRIATE HILTI PIN
6. STEEL STUDS (MIN. 2" WIDE) CUT 1/2" TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT. STUD CONNECTED TO SLOTTED SLIP TRACK W/ APPROPRIATE FASTENER.
7. HILTI CP 767 SPEED STRIPS OR MINERAL WOOL (MIN. 4 PCF DENSITY) COMPRESSED 50% AND INSERTED INTO JOINT, FLUSH WITH BOTH SIDES OF WALL
8. MIN. 1/8" (WET) THICKNESS HILTI CP 672 SPEED SPRAY TO COMPLETELY COVER MINERAL WOOL AND TO OVERLAP A MIN. 1/2" ONTO GYPSUM, Z-CLIP, AND METAL DECK AND MIN. 2" ONTO MONOKOTE



***ALTERNATE SOFFIT FRAMING NOTES:**

1A: FOR TRACK, USE 18GA. STANDARD UNPUNCHED TRACK W/ #10 SMS @ EA FLANGE

NOTE: WHERE (E) DECK FIRE PROOFING IS AFFECTED BY (N) SOFFIT FRAMING, REPAIR FIRE PROOFING AS REQ'D TO RETAIN ORIGINAL RATING

GENERAL NOTES:

A. AS AN ALTERNATE TO CLG. RUNNER IN ITEM NO. 5, CLG. RUNNERS, MANUFACTURED BY SLIPTRACK SYSTEMS, CEMCO, METAL-LITE, OR DENMAR STEEL, MAY BE USED. WHEN ALTERNATE CLG. TRACKS ARE USED, CONSULT THE UL FIRE RESISTANCE DIRECTORY FOR INSTALLATIONS INSTRUCTIONS.

B. T-RATING MAY NOT BE EQUAL F-RATING IN ACCORDANCE WITH UL 2079.

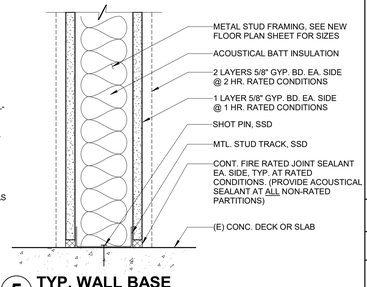
C. FIRE RATING ASSEMBLY IS ONLY AS GOOD AS PERFORMANCE OF Z-CLIP UNDER FIRE CONDITIONS.

D. S.S.D. FOR ATTACHMENT TO STRUCTURE.

(REF. UL SYSTEM NO. HW-D-0264)

10 RATED HEAD OF WALL

1 1/2" = 1'-0"



5 TYP. WALL BASE

3" = 1'-0"

GENERAL INTERIOR PARTITION NOTES

A. SEE NEW WORK PLAN FOR EXTENT/LOCATION OF PARTITION TYPES.

B. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

C. REFER TO TITLE SHEET FOR APPLICABLE CODES AND REFERENCED STANDARDS.

D. WHERE INTERIOR PARTITION ASSEMBLIES PROVIDE AN UNDERWRITERS LABORATORIES (U.L.) DESIGN NUMBER, USE THE MATERIALS, METHODS AND SYSTEMS DESCRIBED IN THE U.L. APPROVED DESIGN WITHOUT SUBSTITUTION. DO NOT USE GENERIC MATERIALS OR ASSUME GENERIC MATERIALS TO BE EQUIVALENT. WHERE U.L. APPROVED DESIGNS LIST SEVERAL ALTERNATIVE PRODUCTS, ANY OF THE PRODUCTS LISTED MAY BE USED.

E. PROVIDE CONTINUOUS SMOKE/FIRE RATED PARTITIONS/BARRIERS/WALLS FROM FLOOR SLAB TO UNDERSIDE OF STRUCTURAL FRAMING OR SLAB ABOVE, U.O.N.

F. WHERE INTERIOR PARTITIONS/BARRIERS/WALLS TERMINATE AT EXTERIOR WALLS, MAINTAIN SMOKE/FIRE RATING TO THE EXTERNAL FACE OF THE EXTERIOR WALL.

G. FURRED COLUMN CLOSURES SHALL NOT BE CONSIDERED PART OF THE FIRE RATED ASSEMBLY OF THE COLUMN, U.O.N.

H. INSTALL FRAMING COMPONENTS AND GYPSUM BOARD SQUARELY CUT TO FIT TIGHTLY AGAINST ABUTTING ELEMENT. FIT GYPSUM BOARD TIGHTLY AROUND STRUCTURAL SHAPES, DUCTS, PIPES, CONDUITS AND FITTINGS. SEAL ALL GAPS WITH ACOUSTICAL SEALANT AT NON-RATED PARTITIONS, AND FIRE STOP SYSTEMS AT RATED PARTITIONS.

I. SEPARATE OUTLET BOXES LOCATED ON OPPOSITE SIDES OF INTERIOR PARTITIONS BY A MINIMUM OF 24 INCHES.

J. PROVIDE MEMBRANE FIRE STOPPING PROTECTION AT OUTLET BOXES IN SMOKE/FIRE RATED PARTITIONS/BARRIERS/WALLS WHEN 1) AN OUTLET BOX EXCEEDS 16 SQ. INCHES IN AREA, OR 2) THE TOTAL AREA OF THE OUTLET BOXES EXCEEDS 100 SQ. INCHES WITHIN 100 SQ. FEET OF INTERIOR PARTITION AREA.

K. COORDINATE LOCATIONS OF BUILDING SYSTEMS, INFRASTRUCTURE AND OPENINGS TO MINIMIZE IMPACT ON INTERIOR PARTITION FRAMING. PROVIDE SUPPLEMENTAL FRAMING/BRIDGING/MODIFICATIONS REQUIRED FOR COORDINATION WITH SYSTEMS, INFRASTRUCTURE AND OPENINGS, AS APPROVED BY THE ARCHITECT.

L. COORDINATE LOCATIONS AND EXTENTS OF CONCEALED BACKING TO SUPPORT BUILDING SYSTEMS, INFRASTRUCTURE, EQUIPMENT AND FURNISHINGS. PROVIDE SUPPLEMENTAL FRAMING WHERE REQUIRED TO SUPPORT CONCEALED BACKING.

M. WHERE ITEMS PENETRATE FIRE RESISTIVE MEMBRANES AND SMOKE/FIRE RATED PARTITIONS/BARRIERS/WALLS, PROVIDED THROUGH PENETRATION FIRE STOPPING SYSTEMS WITH TIME RATINGS EQUIVALENT TO THE FIRE RATING OF THE PARTITION/BARRIER/WALL PENETRATED, AND WITH "F" RATING EQUAL TO, OR GREATER THAN, THE FIRE RATING OF THE PARTITION/BARRIER/WALL PENETRATED.

N. SPLICES IN STUDS AND BRACES ARE NOT PERMITTED.

O. INSTALL CONTINUOUS METAL FRAMING AND BACKING TO FULLY SUPPORT EDGES OF GYPSUM BOARD.

P. ALIGN FACE OF INTERIOR FINISHES WHERE CONSTRUCTION INVOLVES MORE THAN ONE FINISH AT CONTINUOUS WALL SURFACES, U.O.N.

Q. ACOUSTICAL SEALANT TO BE USED IN ALL INTERIOR PARTITIONS THAT ARE NOT FIRE RATED.

R. INSTALL SOUND ATTENUATION ACOUSTICAL BATTS IN ALL NON-RATED WALLS, UNLESS SHOWN OTHERWISE ON PLANS. SOUND INSULATION SHALL BE FULL HEIGHT OF GYPSUM WALLBOARD, U.O.N.

S. WHERE (E) SPRAY-APPLIED FIREPROOFING IS REQUIRED TO BE REMOVED IN ORDER TO CONSTRUCT HEAD OF WALLS (PER UL LISTINGS), CONTRACTOR TO PATCH & REPAIR FIREPROOFING, AS REQUIRED, TO RESTORE ORIGINAL THICKNESS AND REQUIRED FIRE RATING.

T. SEE DRAWING SHEETS A9.10 THROUGH A9.14 FOR ACCEPTABLE UL LISTED ASSEMBLIES.

4 GENERAL INTERIOR PARTITION NOTES

1" = 1'-0"

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS - PARTITIONS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A9.01
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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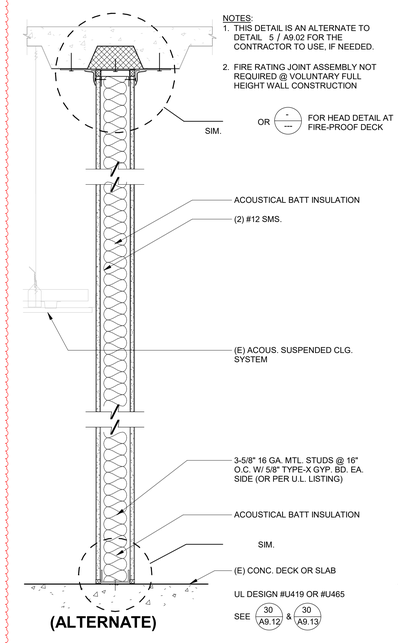
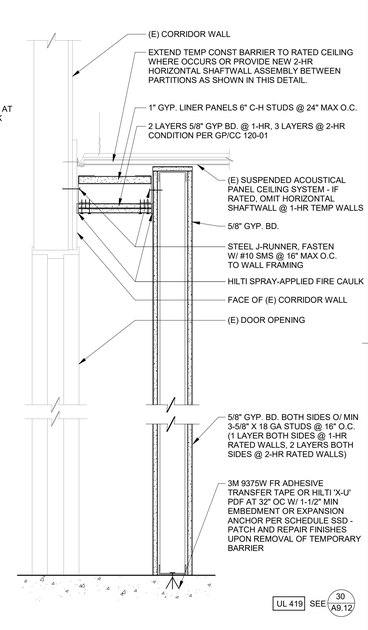


10 TEMP CONSTRUCTION BARRIER - 1HR
1 1/2" = 1'-0"



5 TEMP CONSTRUCTION BARRIER - 1 HR
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Sheet Title: DETAILS - PARTITIONS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A9.02
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Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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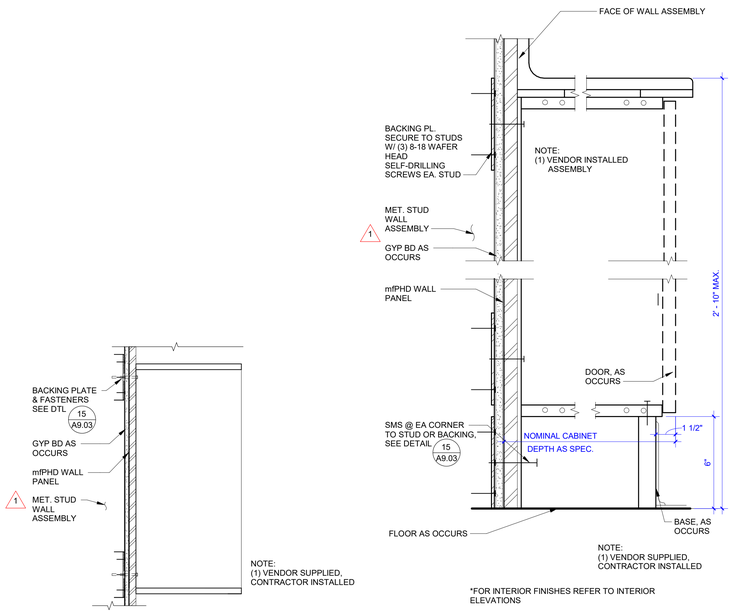
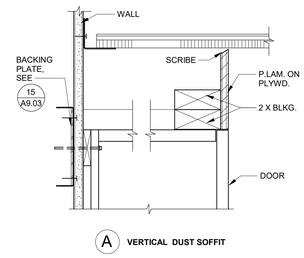
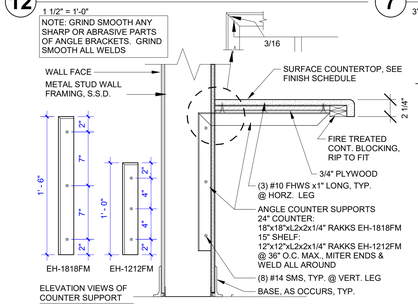




12 METAL UPPER UPPER CABINET

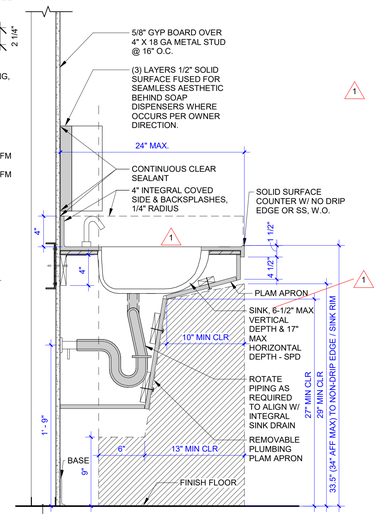
1 1/2" = 1'-0"



*NOTE: ALL PLYWOOD TO BE FIRE RESISTIVE.

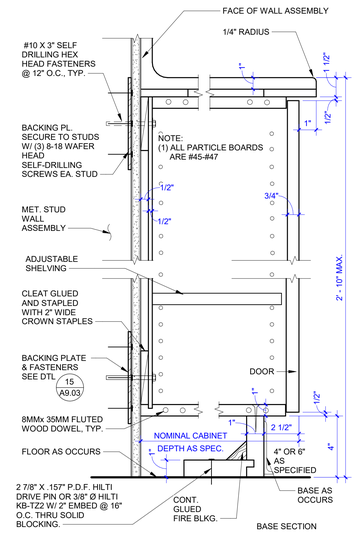
7 METAL LOWER CABINET DTL., TYP.

3" = 1'-0"



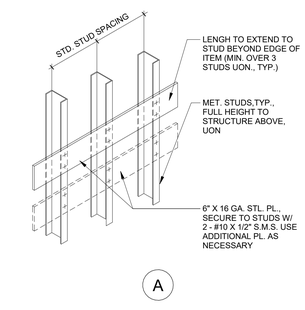
1 DUST SOFFIT

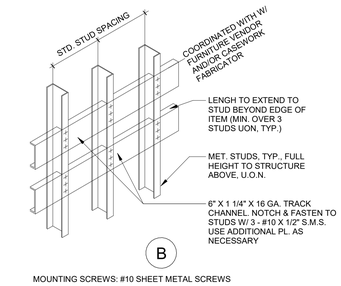
3" = 1'-0"



13 OPEN COUNTER

1 1/2" = 1'-0"





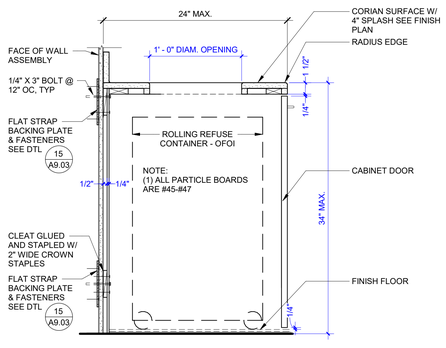
MOUNTING SCREWS: #10 SHEET METAL SCREWS

15 BACKING PLATE DETAIL

N.T.S.

9 COUNTERTOP W/ ACCESSIBLE SINK

1 1/2" = 1'-0"



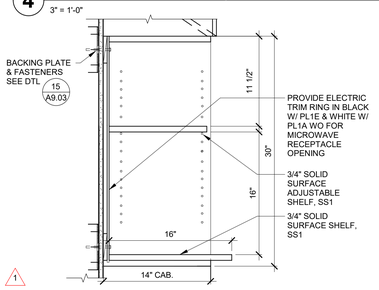
*FOR INTERIOR FINISHES REFER TO INTERIOR ELEVATIONS

20 WASTE RECEPTACLE BASE CABINET

1 1/2" = 1'-0"

4 LOWER CABINET DTL., TYP.

3" = 1'-0"



*FOR INTERIOR FINISHES REFER TO INTERIOR ELEVATIONS

5 UPPER CABINET OPEN SHELVES

1 1/2" = 1'-0"

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1	BACKCHECK 1	09/16/2024
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Sheet Title: DETAILS - CASEWORK

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	A9.03
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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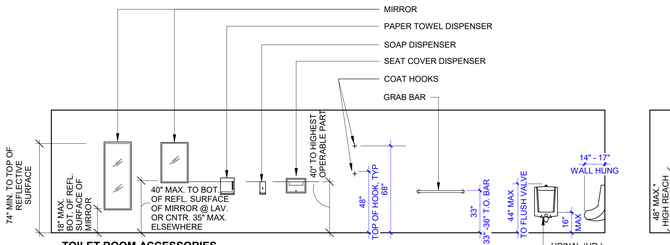
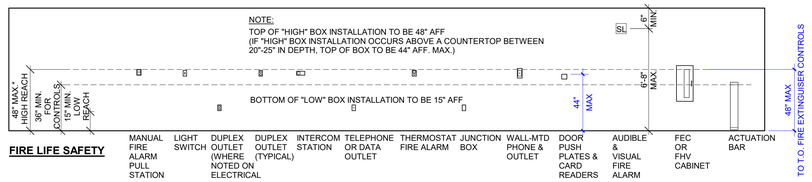
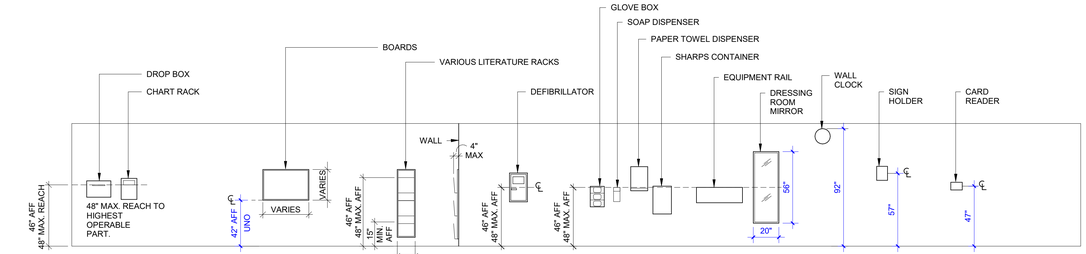


TOILET ROOM ACCESSORIES

NOTE:
1. PROVIDE 16 GA. BACKING PLATES FOR ALL TOILET ACCESSORIES.
2. NOT ALL ACCESSORIES APPLIED. SEE DETAILS FOR SPECIFIC MOUNTING HEIGHT REQUIREMENTS.

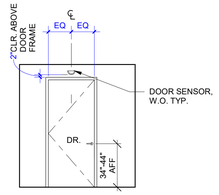


FIRE LIFE SAFETY



MISCELLANEOUS

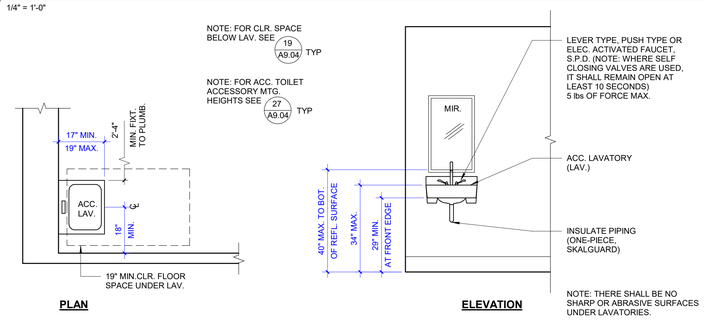
NOTE:
1. PROVIDE BACKING FOR WALL-MOUNTED OBJECTS, SSD.



SENSOR

27 TYPICAL MOUNTING HEIGHTS

1/4" = 1'-0"



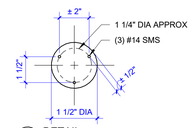
PLAN

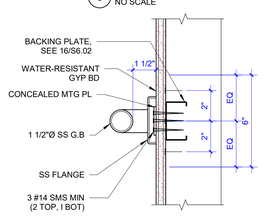
NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

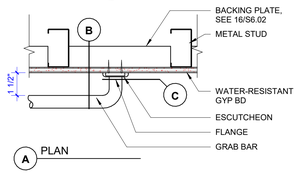
ELEVATION

28 ACCESSIBLE LAVATORY

1/2" = 1'-0"

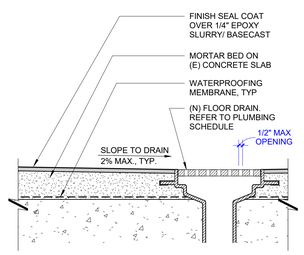






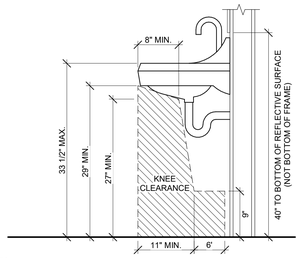
30 GRAB BAR

3" = 1'-0"



24 FLOOR DRAIN

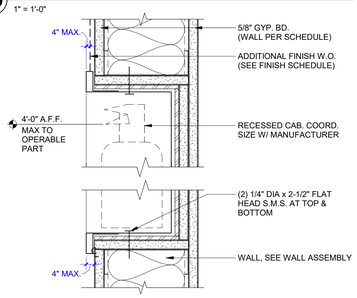
3" = 1'-0"



NOTES:
1. DRAIN & H.W. PIPING TO BE INSULATED. AREA BENEATH SINK TO BE FREE OF ALL SHARP OR ABRASIVE SURFACES.

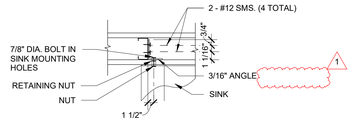
19 TYPICAL ACCESSIBLE LAVATORY

1" = 1'-0"



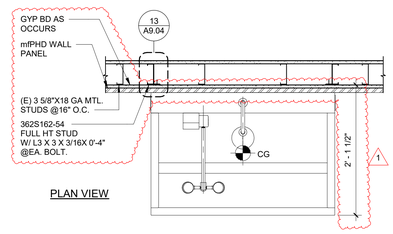
20 RECESSED FIRE EXTINGUISHER CABINET

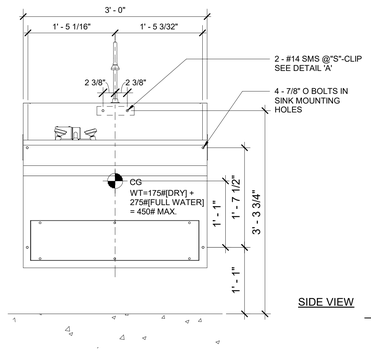
3" = 1'-0"

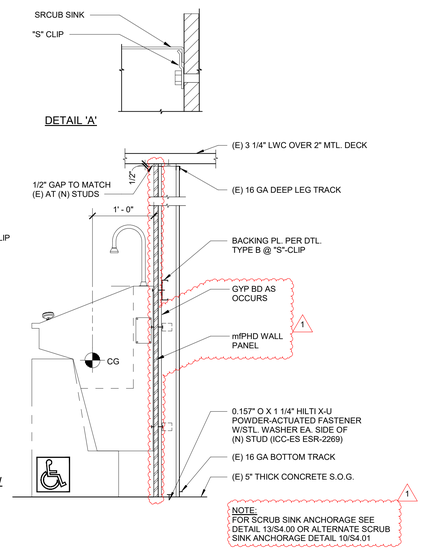


13 SCRUB SINK ANCHORAGE DETAIL A-A

1 1/2" = 1'-0"







15 SCRUB SINK ANCHORAGE DETAILS

1" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez
DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEVIN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA
DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95317
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax
CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS - ACCESSIBILITY

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	A9.04
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2023	

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10/22/2024 9:40:37 AM

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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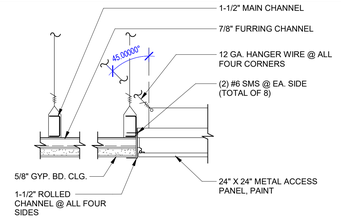
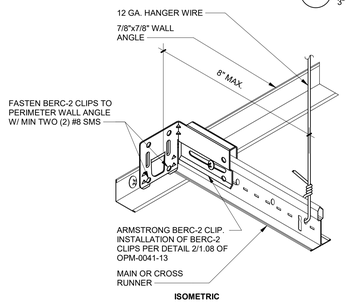


NOTE:
ACCESS PANEL SHALL BE LESS THAN 300 SQ. INCHES. SUCH PANELS SHALL ALSO HAVE A PERMANANT WARNING LABEL AS FOLLOWS (INSTALLED AT NON-RATED CLG):

WARNING:
1. DO NOT CLIMB, WALK, OR CRAWL ON THE GYPSUM BOARD CEILING.
2. NO NOT STORE OR STOW ANYTHING ON THE GYPSUM BOARD CEILING.

1 ACCESS PANEL - SUSP GYP BD CEILING
3" = 1'-0"



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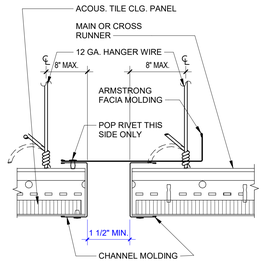
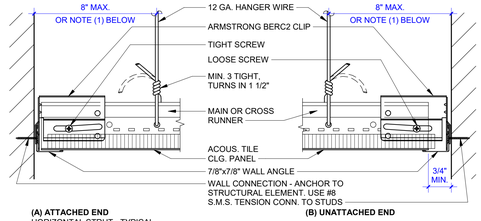


(D) SEISMIC SEPARATION JT. FACIA

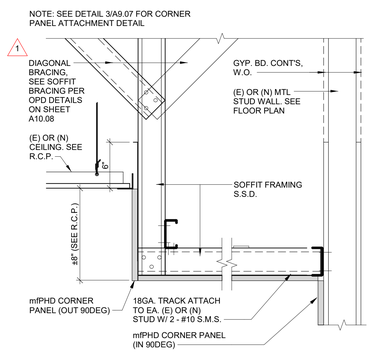


(A) ATTACHED END
HORIZONTAL STRUT - TYPICAL

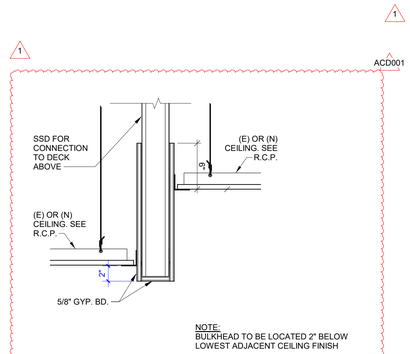
(B) UNATTACHED END

NOTES:
(1) 1/4 OF THE LENGTH OF THE END RUNNER WHICHEVER IS LESS.
NOTE: THE PERIMETER ANGLE ON THIS DETAIL IS AN ALTERNATE TO THE ONE SHOWN ON CL2.50 ON A9.12. REFER TO CL2.50 & CL2.60 ON A9.12 FOR ADDITIONAL INFORMATION.

9 CEILING GRID SEISMIC PERIMETER CLIP
3" = 1'-0"



15 SOFFIT W/ FORTRESS WALL SYSTEM
1 1/2" = 1'-0"



NOTE:
BULKHEAD TO BE LOCATED 2" BELOW LOWEST ADJACENT CEILING FINISH

10 BULKHEAD DETAIL
1 1/2" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT TONY YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

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CONSULTANTS:

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1	BACKCHECK 1	09/16/2024
5	SCOPE REDUCTION	Date 5

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Sheet Title: DETAILS - CEILING

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	A9.05
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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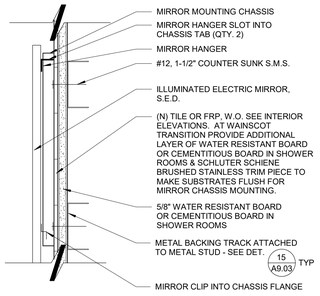
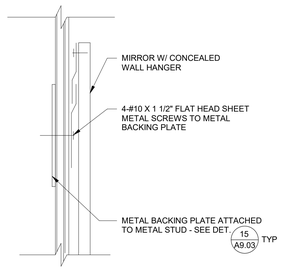
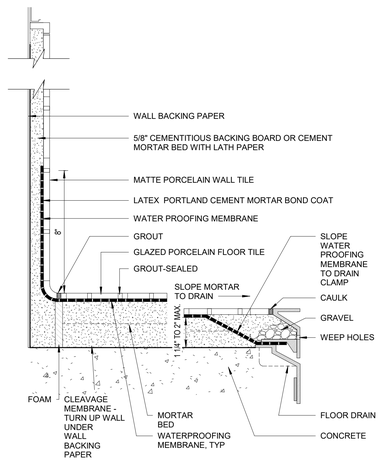
ACD001



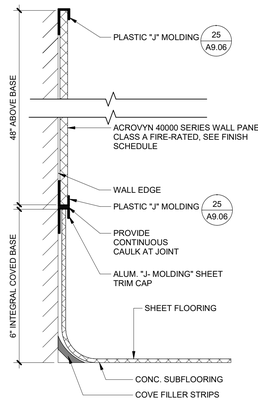
21 ELECTRIC MIRROR
3" = 1'-0"



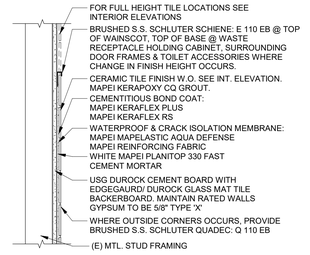
16 MIRROR
3" = 1'-0"



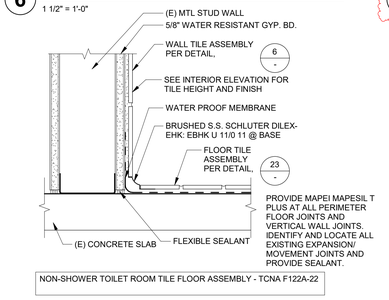
23 CERAMIC TILE
3" = 1'-0"



12 ACROVYN WALL PANEL
6" = 1'-0"

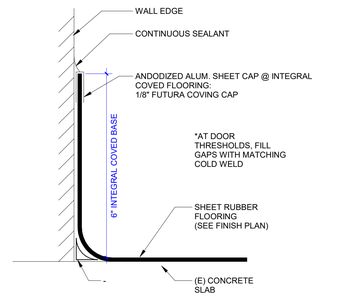


6 TILE WALL
1 1/2" = 1'-0"

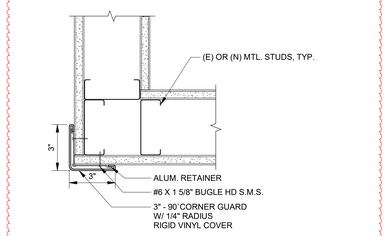


NON-SHOWER TOILET ROOM TILE FLOOR ASSEMBLY - TCNA F122A-22

7 FLOOR TO WALL TILE
3" = 1'-0"

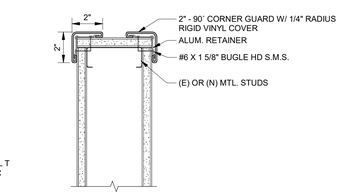


8 INTEGRAL COVED BASE
6" = 1'-0"



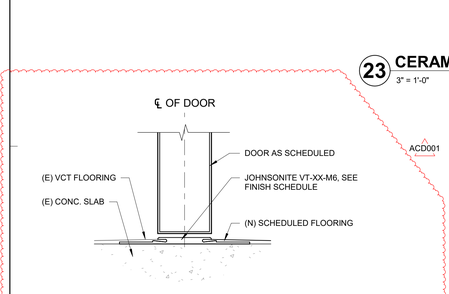
CORNER GUARD SHALL BE:
MANUF.: ACROVYN
NUMBER: SM-20AN
COLOR: REFER TO FINISH SCHEDULE
FLAME SPREAD: 0-25

1 CORNER GUARD 3x3 90° ANGLE TYP
3" = 1'-0"



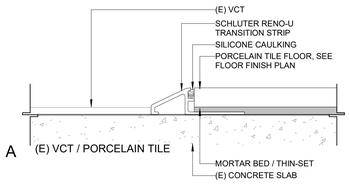
CORNER GUARD SHALL BE:
MANUF.: ACROVYN
NUMBER: SSM-20AN
COLOR: REFER TO FINISH SCHEDULE
FLAME SPREAD: 0-25

2 CORNER GUARD 2x2 90° ANGLE TYP
3" = 1'-0"



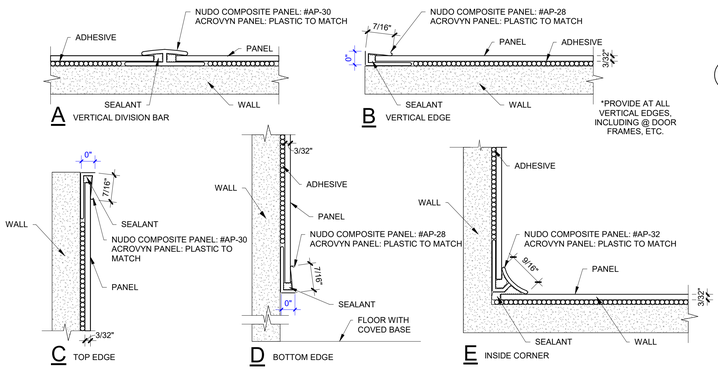
ACD001

29 FLOORING TRANSITIONS (E) VCT TO RESILIENT
6" = 1'-0"

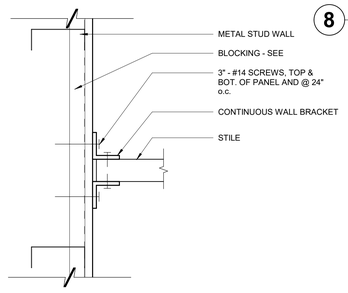


1 *CHANGES IN LEVEL - 11B 303: 1/4" MAX OR UP TO 1/2" BEVELVED 1:2

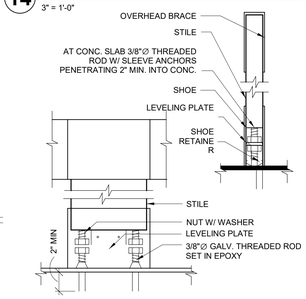
30 FLOORING TRANSITIONS
12" = 1'-0"



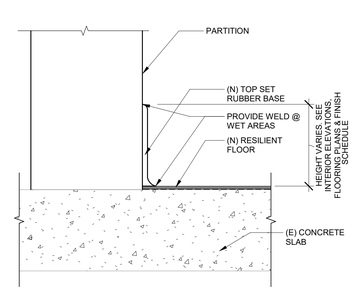
25 TRIM CONDITION @ WALL PANELS
12" = 1'-0"



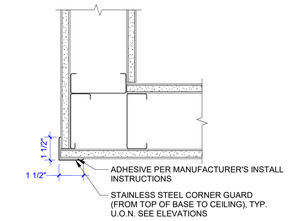
14 PHENOLIC TOILET PARTITION @ MTL STUD WALL
3" = 1'-0"



15 PHENOLIC TOILET PARTITION
3" = 1'-0"



10 TOP SET WALL BASE
1/4" = 1'-0"



4 CORNER GUARD STAINLESS STEEL 1 1/2"
3" = 1'-0"

ACD001

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APPROVED
Department of Health Care Access and Information
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9/25/2025, 2:49:59 PM
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DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — REY YAMAUCHI — C-26566 — 02-28-2027 RENEWAL DATE — STATE OF CALIFORNIA

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Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS - INTERIOR FINISH

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	A9.06
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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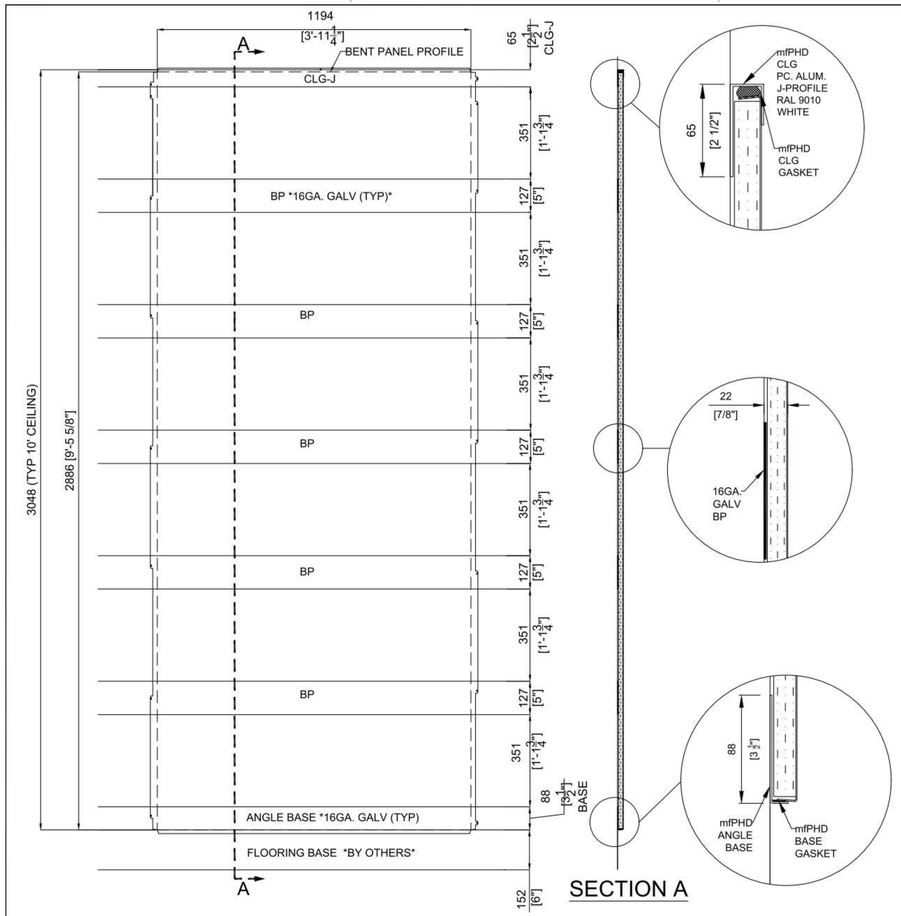
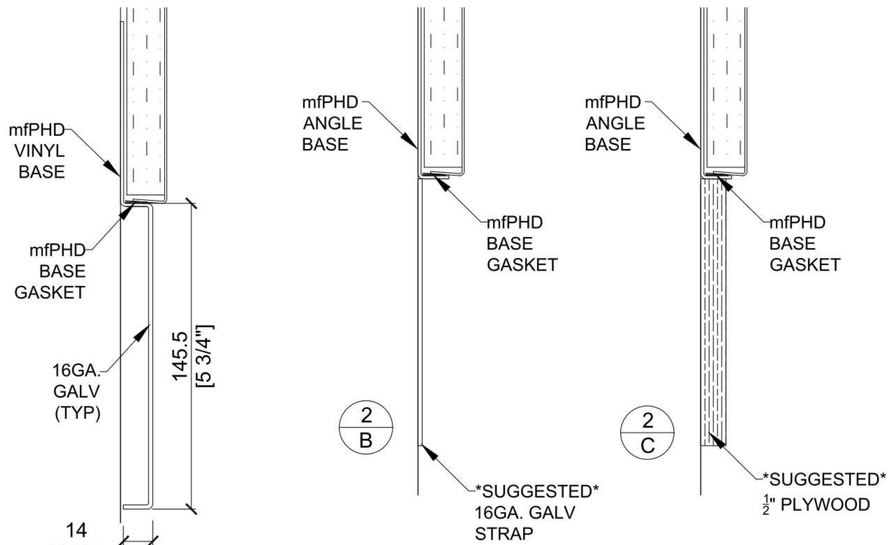


SECTION A

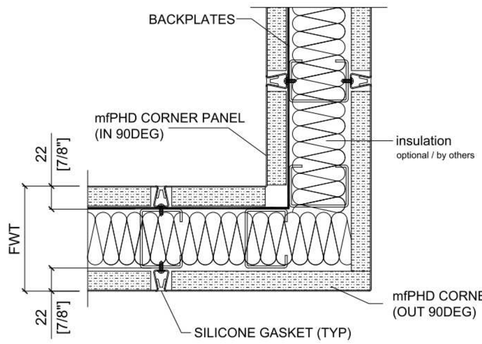
1 mfPHD STANDARD BACKPLATE
9' 6" PANEL W/ 6" BASE



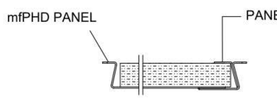
2 A mfPHD VINYL BASE

SUGGESTED FLOORING SUBSTRATE OPTIONS BY OTHERS

FLOORING OPTIONS

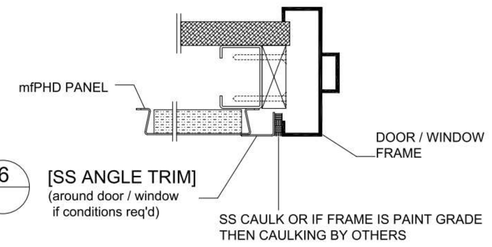


3 [CORNER PANEL]

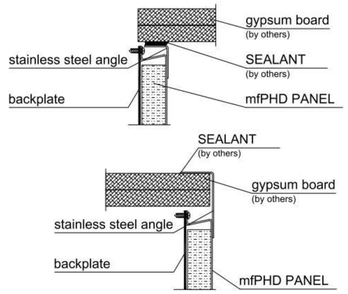


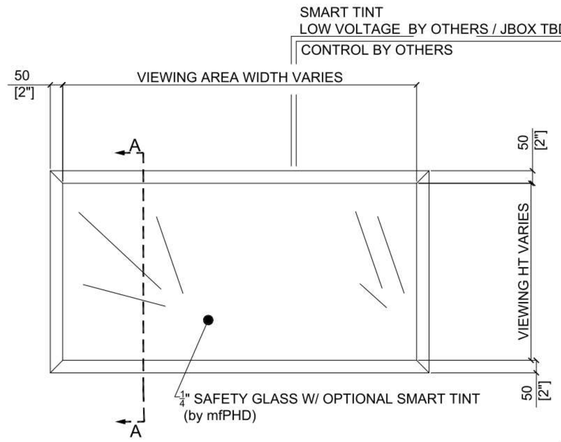
4 [PANEL CLOSURE TRIM]
(grows or shrinks a panel if field conditions req'd)

5 [SS WALL ADJACENT TO GYP WALL]
(if field conditions req'd)



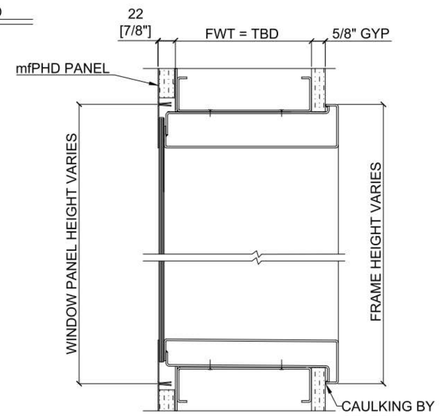
6 [SS ANGLE TRIM]
(around door / window if conditions req'd)





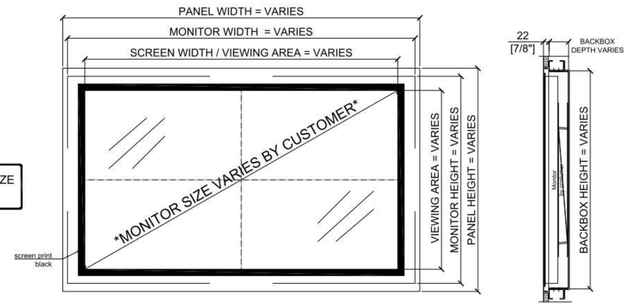
*ELEVATION OF WINDOW VARIES

WINDOW DETAIL 7



SECTION A

MONITOR SPECS DETERMINES SIZE AND VIEWING AREA OF PANEL



TOP VIEW

SIDE VIEW

MONITOR DETAIL 8

ITEMS OF IMPORTANCE
FOR mfPHD USE ONLY

- FLOORING TYPE/ LEVELING
- CONFIRM CLG HEIGHT & SET BM IN EACH ROOM
- RATED WALLS/ LAYERS OF GYP/ DBL WALL FRAMING/ MUD RINGS
- J-PROFILE/ TOP-OUT GYP
- ANGLE BASE, OR IF CONFIRMED BY SUB EARLY VINYL BASE
- STRAPPING/ INSIDE CORNER STUDS
- LAR ELEVATION/ ISO PANEL LOCATION/ RECESSED CLOCKS?
- RECESSED MONITORS
- WINDOW & DOOR FRAMES BY mfPHD OR OTHERS
- CABINETS BY mfPHD OR OTHERS/ SOFFITS?
- MEASURE WALLS/ LAYOUT PANEL JOINTS
- UNLOADING OF PRODUCT/ STORAGE OF TOOLS

Notes:

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
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DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

RDV.	DESCRIPTION:	BY:	DATE:
STATUS:	SHEET 1 DETAILS		

mfPHD Modular Fabrication Per Hospital Design

CLIENT:

ARCHITECT:

SITE:

TITLE: standard details

SCALE AT AD:	DATE: 3/17/22	DRAWN: TA	CHECKED:
PROJECT NO.: –	DRAWING NO.: –		REVISION:

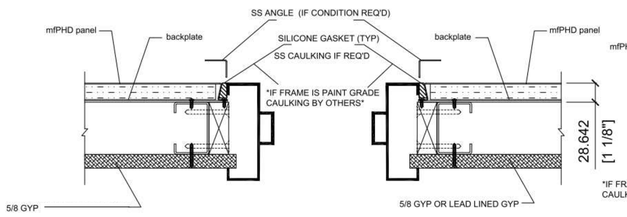
Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS - FORTRESS SYSTEM

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale:	A9.07
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2023	

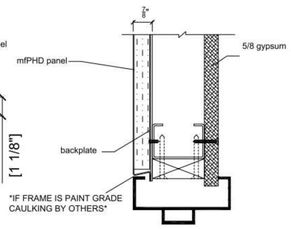
6/20/2024 4:58:22 PM C:\Revit_Locals\5938 UCDH Central Pharmacy_Central_R23-REVISED SCOPE_aunoJDA58.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

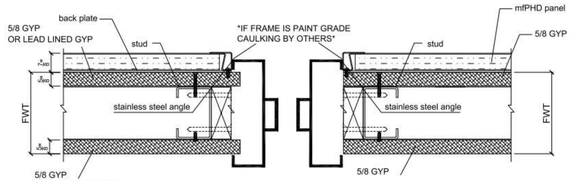
IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY



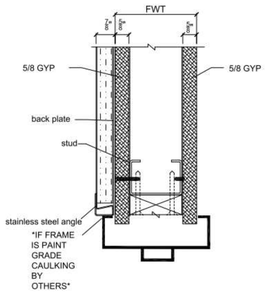
9 [TYP DOOR / WINDOW FRAME]



[TYP Top of Door / WINDOW FRAME]



1 HOUR FIRE RATED WALL
10 [TYP DOOR / WINDOW FRAME]

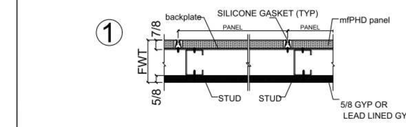


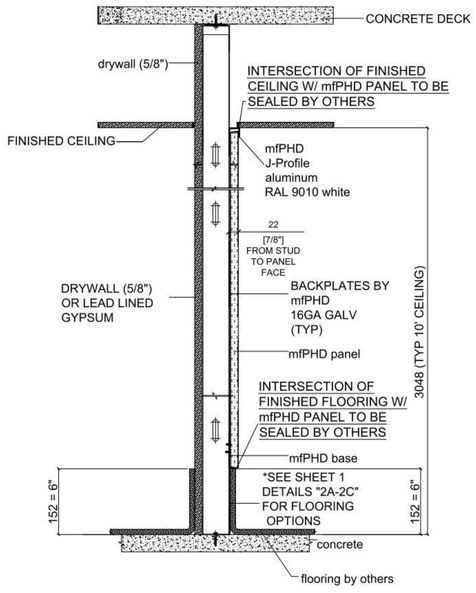
[TYP Top of Door / WINDOW FRAME]

ITEMS OF IMPORTANCE
FOR mfPHD USE ONLY

- FLOORING TYPE/ LEVELING
- CONFIRM CLG HEIGHT & SET BM IN EACH ROOM
- RATED WALLS/ LAYERS OF GYP/ DBL WALL FRAMING/ MUD RINGS
- J-PROFILE/ TOP-OUT GYP
- ANGLE BASE, OR IF CONFIRMED BY SUB EARLY VINYL BASE
- STRAPPING/ INSIDE CORNER STUDS
- LAR ELEVATION/ ISO PANEL LOCATION/ RECESSED CLOCKS?
- RECESSED MONITORS
- WINDOW & DOOR FRAMES BY mfPHD OR OTHERS
- CABINETS BY mfPHD OR OTHERS/ SOFFITS?
- MEASURE WALLS/ LAYOUT PANEL JOINTS
- UNLOADING OF PRODUCT/ STORAGE OF TOOLS

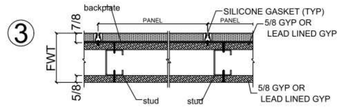
Notes:

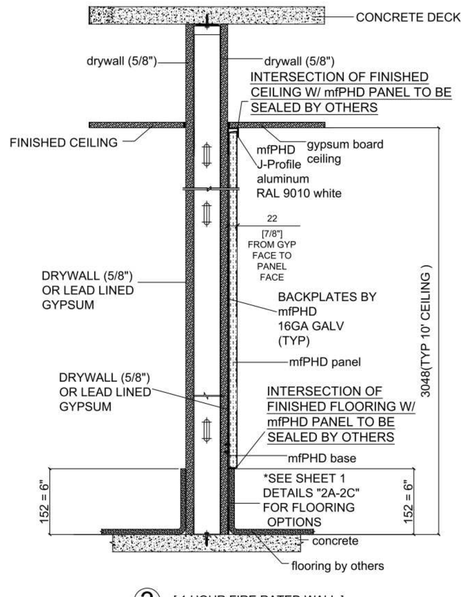




1 [mfPHD WALL PANEL AND GYPSUM WALL / LEAD LINED GYPSUM WALL]

STC Rating: 56





3 [1 HOUR FIRE RATED WALL]

*ADDITIONAL LAYERS OF 5/8" GYP ON BOTH SIDES OF STUD MAY BE ADDED

STC Rating: 59

WALL TYPES

1	mfPHD WALL PANEL & GYP WALL OR LEAD LINED GYP WALL
2	mfPHD PANEL DEMISING WALL
3	mfPHD WALL PANEL OVER 1HR FIRE RATED WALL

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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REV.:	DESCRIPTION:	BY:	DATE:
STATUS:	SHEET 2 DETAILS		

mfPHD Modular Fabrication Per Hospital Design

CLIENT:
ARCHITECT:
SITE:
TITLE: standard details

SCALE AT AD:	DATE: 3/17/22	DRAWN: TA	CHECKED:
PROJECT NO: --	DRAWING NO: --		REVISION:

Account No.: 9558910
HCA No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS - FORTRESS SYSTEM

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: 12" = 1'-0"	A9.08
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT
HEIDI YAMAUCHI
C-26566
02-28-2027
RENEWAL DATE
STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No. 9558910
HCAI No. S241013-34-00
Bldg No. BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Mnnr. DAVIS TOWER BASEMENT
Project DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title NOT USED

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. KY	Scale:	A9.09
Designed By: KL/MK	Issue Date: 06/12/2024	
Drawn By: KL/MK	Revit Version: 2025	

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SCOPE PHASE REVISED
SHEET NO LONGER NEEDED

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REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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S241013-34-00-ACD0001
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02-28-2027
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1	BACKCHECK 1	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No. 9558910
HCAI No. S241013-34-00
Bldg No. BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: NOT USED

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. KY	Scale:	A9.10
Designed By: KL/MK	Issue Date: 06/12/2024	
Drawn By: KL/MK	Revit Version: 2025	

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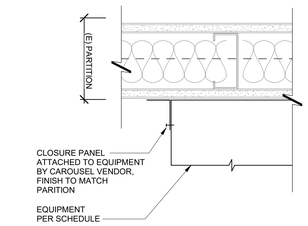
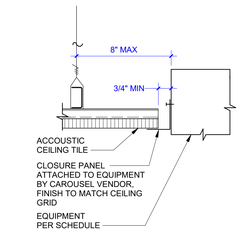


1 CAROUSEL WALL CLOSURE PANEL
3" = 1'-0"



2 CAROUSEL CEILING CLOSURE PANEL
3" = 1'-0"

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Department of Health Care Access and Information
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1	BACKCHECK 1	09/16/2024

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Account No.: 9558910
HCAi No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS - EQUIPMENT & FURNITURE

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. KY	Scale: 3" = 1'-0"	A9.11
Designed By: KL/MK	Issue Date: 06/12/2024	1
Drawn By: KL/MK	Revit Version: 2023	

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0 5' 50' — 0 5' 25' — 0 1' 12' — 0 1' 6' — 0 4' — 0 1' 3' — 0 2' — 0 1'

GRAPHIC SCALES: 1/16" = 1'-0" — 1/8" = 1'-0" — 1/4" = 1'-0" — 1/2" = 1'-0" — 3/4" = 1'-0" — 1" = 1'-0" — 1 1/2" = 1'-0" — 3" = 1'-0"

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Design No. U419
BXUV.U419
Fire Resistance Ratings - ANSI/UL 263

Page Bottom

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Listed or Classified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered as Classified, Listed, or Recognized.

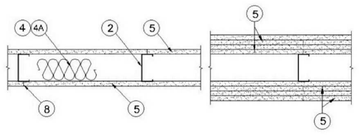
Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U419

December 09, 2011

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5)



1. **Floor and Ceiling Runners —** (Not shown) — For use with Item 2 - Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. **Framing Members* - Floor and Ceiling Runners —** Not shown - In lieu of Item 1 — For use with Item 2A, proprietary channel shaped, min. 3-5/8 in. deep, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC max. Effective thickness is 0.034 in.

CLARKDIETRICH BUILDING SYSTEMS — UltraSTEEL®.

1B. **Framing Members* - Floor and Ceiling Runners —** (Not shown - In lieu of Item 1) — For use with Item 2A, proprietary channel shaped, min. 2-1/2 in. deep, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling fasteners 24 in. OC max. Effective thickness is 0.034 in.

CLARKDIETRICH BUILDING SYSTEMS — UltraSTEEL®.

1C. **Framing Members* - Floor and Ceiling Runner —** Not shown - In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™ Track

CRACO MFG INC — SmartTrack™

MARINO/WARE, DIV OF WARE INDUSTRIES

INC — Viper25™ Track

TELLING INDUSTRIES L L C — Viper25™ Track

1D. **Framing Members* - Floor and Ceiling Runner —** Not shown - In lieu of Item 1 — For use with Item 2D, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES

INC — Viper20™ Track

TELLING INDUSTRIES L L C — Viper20™ Track

1E. **Framing Members*— Floor and Ceiling Runners —** (Not shown) — In lieu of Item 1 - Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP,

BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

1F. **Floor and Ceiling Runners —** (Not shown)—For use with Item 2B- Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1G. **Framing Members*— Floor and Ceiling Runners —** (Not shown, As an alternate to Item 1) — For use with Items 2F, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA BUILDING SUPPLIES — ProTRAK

SOUTHEASTERN STUD & COMPONENTS INC — ProTRAK

TELLING INDUSTRIES L L C — TRUE-TRACK™

1H. **Framing Members* - Floor and Ceiling Runner —** Not shown - In lieu of Item 1 — For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

SUPER STUD BUILDING PRODUCTS — The Edge

2. **Steel Studs —** Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. **Framing Members* - Steel Studs —** In lieu of Item 2 - Proprietary channel shaped studs, min. depth as indicated under Item 5, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. Allowable use of studs is shown in the table below. For direct attachment of gypsum board only. Effective thickness is 0.034 in.

CLARKDIETRICH BUILDING SYSTEMS — UltraSTEEL®.

2B. **Steel Studs —** (As an alternate to Item 2, For use with Items 5B & 5E) Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2C. **Framing Members* - Steel Studs —** (As an alternate to Item 2, For use with Items 5C or 5I) - Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a ½ in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™

CRACO MFG INC — SmartStud™

MARINO/WARE, DIV OF WARE INDUSTRIES

INC — Viper25™

TELLING INDUSTRIES L L C — Viper25™

2D. **Framing Members* - Metal Studs —** Not shown - In lieu of Item 2 — For use with Item 1D, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES

INC — Viper20™

TELLING INDUSTRIES L L C — Viper20™

2E. **Framing Members*— Steel Studs —** In lieu of Item 2 - For Use with Item 1E- Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP,

BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

2F. **Framing Members*— Steel Studs —** (Not shown, As an alternate to Item 2) —For use with Items 1G, 5F or 5G or 5I only, channel shaped studs, min depth as indicated under Item 5F, 5G or 5I, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA BUILDING SUPPLIES — ProSTUD

SOUTHEASTERN STUD & COMPONENTS INC — ProSTUD

TELLING INDUSTRIES L L C — TRUE-STUD™

2G. **Framing Members* - Metal Studs —** Not shown - In lieu of Item 2 — For use with Item 1H, proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.

SUPER STUD BUILDING PRODUCTS — The Edge

3. **Wood Structural Panel Sheathing** — (Optional, For use with Item 5 Only.)- (Not Shown) - 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, fastener lengths for gypsum panels increased by min. 1/2 in.

4. **Batts and Blankets* —** (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5. See **Batts and Blankets (BKNV or BZJZ) Categories** for names of Classified companies.

4A. **Batts and Blankets* —** (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See **Batts and Blankets (BKNV or BZJZ) Categories** for names of Classified companies.

5. **Gypsum Board* —** Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2, 2D, 2E, 2G and 2F	Min Stud Depth, in. Item 2A	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	3-5/8	1 layer, 5/8 in. thick	Optional
1	2-1/2	3-5/8	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	3-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2-1/2	2 layers, 1/2 in. thick	Optional
2	1-5/8	2-1/2	2 layers, 5/8 in. thick	Optional
2	3-1/2	3-5/8	1 layer, 3/4 in. thick	3 in.
3	1-5/8	2-1/2	3 layers, 1/2 in. thick	Optional
3	1-5/8	2-1/2	2 layers, 3/4 in. thick	Optional
3	1-5/8	2-1/2	3 layers, 5/8 in. thick	Optional
4	1-5/8	2-1/2	4 layers, 5/8 in. thick	Optional
4	1-5/8	2-1/2	4 layers, 1/2 in. thick	Optional
4	2-1/2	2-1/2	2 layers, 3/4 in. thick	2 in.
4	1-5/8	2-1/2	4 layers, 1/2 in. thick	Optional
4	2-1/2	2-1/2	2 layers, 3/4 in. thick	2 in.

CGC INC — 1/2 in. thick Type C, JP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC, 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, JP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR ; 3/4 in. thick Types IP-X3 or ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, JP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6.

CGC INC — Type SHX.

UNITED STATES GYPSUM CO — Type FRX-G, SHX.

USG MEXICO S A DE C V — Type SHX.

5B. **Gypsum Board* —** (Not Shown) - As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or ¾ in. thick products are specified. For direct attachment only to steel studs Item 2B, (not to be used with Item 3) - Nom 5/8 in. or ¾ in. may be used as alternate to all 5/8 in. or ¾ in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or ¾ in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12).

RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. **Gypsum Board* —** (For Use With Item 2C) Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.

CGC INC — Type SCX.

UNITED STATES GYPSUM CO — Type SCX, SGX.

USG MEXICO S A DE C V — Type SCX.

5D. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only.

UNITED STATES GYPSUM CO — Type USGX.

5E. **Gypsum Board* —** (Not Shown) - (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2B, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND LEAD BURNING CO INC, DBA

NELCO — Nelco

5F. **Gypsum Board* —** (As an alternate to Item 5) — For use with Items 1G and 2F and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in.

UNITED STATES GYPSUM CO — 5/8 in. thick Type SCX, SGX.

5G. **Gypsum Board* —** (As an alternate to Item 5) — For use with Items 1G and 2F only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Item 2F	No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

CGC INC — 1/2 in. thick Type C, JP-X2 or IPC-AR;, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, JP-X2, IPC-AR or; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR ; 3/4 in. thick Types IP-X3 or ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, JP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

5H. **Gypsum Board* —** (Not Shown) - As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2B, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A).

MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

5I. **Gypsum Board* —** (As an alternate to Item 5) - Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.

CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

6. **Fasteners —** (Not shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer.**Three-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. **Four-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

6A. **Fasteners —** (Not shown) —For use with Item 2A - Type S or S-12 steel screws used to attach panels to studs (Item 2A). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8-1/2 in. OC with additional screws 1 in. and 2-1/2 in. from edges of the board when panels are horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Two layer systems applied vertically:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. **Two layer systems applied horizontally:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC starting 8 in. from each edge of the board with an additional screw placed 1-1/4 in. from each edge of the board. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC starting 8 in. from each edge of the board with an additional screw placed 1-1/4 in. from each edge of the board with screws offset 8 in. from first layer. **Three-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. For all layers, an additional screw shall be placed 1-1/4 in. from each edge of the board. **Four-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. For all layers, an additional screw shall be placed 1-1/4 in. from each edge of the board.

7. **Furring Channels —** (Optional, not shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A and 5E.

7A. **Framing Members* —** (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC — Types RSIC-1, RSIC-V.

7B. **Framing Members* —** (Optional, Not Shown) — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A and 5E.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.

KINETICS NOISE CONTROL INC — Type Isomax

7C. **Framing Members* —** Optional - Not Shown - Used as an alternate method to attach resilient channels (Item 7). Clips attached at each intersection of the resilient channel and the steel studs (Item 2). Resilient channels are friction fitted into clips, and then clips are secured to the steel stud with min. 1 in. long Type S-12 steel screws through the center hole of the clip and the resilient channel flange.

KEENE BUILDING PRODUCTS CO INC — Type RC Assurance.

7D. **Framing Members* —** (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

PLITEQ INC — Type GENIECLIP

8. **Joint Tape and Compound —** Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. **Siding, Brick or Stucco —** (Optional, not shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. **Caulking and Sealants* —** (Optional, not shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

UNITED STATES GYPSUM CO — Type AS

11. **Lead Batten Strips —** (Not Shown, For Use With Item 5B) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

11A. **Lead Batten Strips —** (Not Shown, For Use With Item 5H) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.0625 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 6) and optional at remaining stud locations.

12. **Lead Discs or Tabs —** (Not Shown, For Use With Item 5B) - Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

12A. **Lead Discs —** (Not Shown, for use with Item 5H) Max 5/16 in. diam by max 0.0625 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.9% meeting the Federal Specification QQ-L-201f, Grade "C".

13. **Lead Batten Strips —** (Not Shown, For Use With Item 5E) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations.

14. **Lead Tabs —** (Not Shown, For Use With Item 5E) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

*Bearing the UL Classification Mark

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6/20/2024 4:58:25 PM

30 **UL 419 - 1 HOUR RATED WALL ASSEMBLY**
N.T.S.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — KEVIN YAMAUCHI — C-26566 — 02-28-2025 RENEWAL DATE — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCA No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: UL ASSEMBLIES

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A9.12
UCDMC Project Mgr. KKY	Scale: N.T.S.	
Designed By: AU	Issue Date: 06/12/2024	
Drawn By: AU	Revit Version: 2023	

0 5' 50' | 0 5' 25' | 0 1' 12' | 0 1' 6' | 0 4' | 0 1' 3' | 0 2' | 0 1'

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

Design No. U465
BXUV.U465
Fire Resistance Ratings - ANSI/UL 263

Page Bottom

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Listed or Classified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered as Classified, Listed, or Recognized.

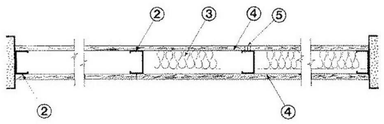
Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U465

December 19, 2011

Nonbearing Wall Rating — 1 HR.



1. **Floor and Ceiling Runners —** (Not shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1A. **Framing Members* — Floor and Ceiling Runners —** (Not shown) — As an alternate to Item 1 - Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP,

BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

1B. **Framing Members* - Floor and Ceiling Runners —** Not shown - In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

CRAGO MFG INC — SmarterTrack20™, SmartTrack20™

MARINO/WARE, DIV OF WARE INDUSTRIES

INC — Viper20™ Track

TELLING INDUSTRIES L L C — Viper20™ Track

1C. **Floor and Ceiling Runners —** (Not shown)—For use with Item 2C- Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1D. **Framing Members*— Floor and Ceiling Runners —** Not shown - In lieu of Items 1 through 1C — For use with Item 2D and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA BUILDING SUPPLIES — ProTRAK

SOUTHEASTERN STUD & COMPONENTS INC — ProTRAK

1E. **Framing Members*— Floor and Ceiling Runners —** Not shown - In lieu of Items 1 through 1D — For use with Item 2E and 4I only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

TELLING INDUSTRIES L L C — TRUE-TRACK™

1F. **Framing Members*— Floor and Ceiling Runners —** Not shown - In lieu of Items 1 through 1D — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

KIRII (HONG KONG) LTD — Type KIRII

2. **Steel Studs —** Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

2A. **Framing Members* — Steel Studs —** As an alternate to Item 2 - Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP,

BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

2B. **Framing Members* - Steel Studs —** Not shown - In lieu of Item 2 — For use with Item 1B, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

CRAGO MFG INC — SmarterStud20™, SmartStud20™

MARINO/WARE, DIV OF WARE INDUSTRIES

INC — Viper20™

TELLING INDUSTRIES L L C — Viper20™

2C. **Steel Studs —** (As an alternate to Item 2, For use with Item 4E) Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2D. **Framing Members*— Steel Studs —** As an alternate to Items 2 through 2C- For use with Item 1D and 4G only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA BUILDING SUPPLIES — ProSTUD

SOUTHEASTERN STUD & COMPONENTS INC — ProSTUD

2E. **Framing Members*— Steel Studs —** As an alternate to Items 2 through 2D- For use with Item 1E and 4I only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

TELLING INDUSTRIES L L C — TRUE-STUD™

2F. **Framing Members*— Steel Studs —** As an alternate to Items 2 through 2E- For use with Item 1F, channel shaped studs, min 3-5/8 in. wide fabricated from min 25 MSG steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

KIRII (HONG KONG) LTD — Type KIRII

3. **Batts and Blankets* —** (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity.

See **Batts and Blankets** (BZJZ) category for names of Classified companies.

3A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft^3. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft^3.

U S GREENFIBER L L C — Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)

3B. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) and Item 3A - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NU-WOOL CO INC — Cellulose Insulation

3C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft^3.

INTERNATIONAL CELLULOSE CORP — Cellar-RL

4. **Gypsum Board* —** 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to Item 6 (resilient channels) or 6A (furring channels), gypsum board is screw attached to furring channels with 1 in. long Type S steel screws spaced 12 in. OC.

ACADIA DRYWALL SUPPLIES LTD — Type X

AMERICAN GYPSUM CO — Types AG-C, AGX-1, M-Glass

BEIJING NEW BUILDING MATERIALS PUBLIC

LTD CO — Type DBX-1.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

CERTAINTEED GYPSUM INC — Types 1, EGRG, GlasRoc, Type X, Type C, SilentFX.

CERTAINTEED GYPSUM CANADA INC — Type C, Type X, Type Abuse-Resistant.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6.

LAFARGE NORTH AMERICA INC — Types LGFC2, LGFC2A, LGFC6, LGFC6A, LGFC-C, LGFC-C/A, LGFC-WD.

NATIONAL GYPSUM CO — Types FSK, FSK-C, FSK-G, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSL.

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

PABCO BUILDING PRODUCTS L L C, DBA

PABCO GYPSUM — Type PG-C, PG-11 or PG-9.

PANEL REY S A — Types PRX, RHX, MDX, ETX.

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

TEMPLE-INLAND — Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, TG-C, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board.

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX).

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

4A. **Gypsum Board* —** (As alternate to Item 4) - Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

CERTAINTEED GYPSUM INC — Type X, Type C.

CERTAINTEED GYPSUM CANADA INC — Type X, Type C.

GEORGIA-PACIFIC GYPSUM L L C — Types DAP, DAPC, DGG, DS.

LAFARGE NORTH AMERICA INC — Type LGFC6A, LGFC-C/A

UNITED STATES GYPSUM CO — T ype AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, , USGX (Joint tape and compound, Item 5, optional for use with Type USGX).

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

4B. **Gypsum Board* —** (As an alternate to Items 4 or 4A) — Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4A with screw length increased to 1-1/4 in.

CGC INC — Types AR, IP-AR.

UNITED STATES GYPSUM CO — Types AR, IP-AR.

USG MEXICO S A DE C V — Types AR, IP-AR.

4C. **Gypsum Board* —** As an alternate to Items 4, 4A, and 4B - Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally. Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. OC, with last z screws 3/4 in. and 4 in. from each edge or board. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs on interior walls need not be staggered or backed by steel framing.

TEMPLE-INLAND — GreenGlass Type X.

4D. **Gypsum Board* —** As an alternate to Items 4, 4A, 4B, and 4C - Nom. 5/8 in. thick gypsum panels applied horizontally. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Gypsum panels fastened to framing with 1 in. long Type S steel screws 1-1/2 in. from board edges, 3 in. from board edge and every 8 in. OC in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall.

NATIONAL GYPSUM CO — Types FSK, FSK-C, FSK-G, FSW-C, FSW-G, FSW.

4E. **Gypsum Board* —** (As an alternate to Items 4 through 4D) - Installed as described in Item 4. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically only and fastened to the studs and plates with 1 in. long, Type S steel screws spaced, 8 in. OC. Not to be used with item 6.

NATIONAL GYPSUM CO — SoundBreak XP Type X Gypsum Board

4F. **Gypsum Board* —** (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

RAY-BAR ENGINEERING CORP — Type RB-LBG

4G. **Gypsum Board* —** (As an alternate to Items 4 through 4F) — For use with Items 1D and 2D only, 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly.

LAFARGE NORTH AMERICA INC — Type LGFC6A, LGFC-C/A

NATIONAL GYPSUM CO — Types FSW

UNITED STATES GYPSUM CO — Type SCX

4H. **Wall and Partition Facings and Accessories* —** (As an alternate to Items 4 through 4G) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.

SERIOUS ENERGY INC — Types QuietRock ES, QuietRock 527.

4I. **Gypsum Board* —** (As an alternate to Items 4 through 4F) — For use with Items 1E and 2E only, 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly.

UNITED STATES GYPSUM CO — Type SCX

4J. **Gypsum Board* —** (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4K. **Gypsum Board* —** (As an alternate to Item 4 and 4A, not for use with Items 1D, 1E, 2D and 2E) - Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 4 and 4A.

CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

5. **Joint Tape and Compound —** Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

6. **Resilient Channel —** (Optional-Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F or 4J.

6A. **Steel Framing Members (Not Shown)* —** As an alternate to Item 3, furring channels and resilient sound isolation clip as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel.

b. **Framing Members* —** Used to attach furring channels (Item a) to studs (Item 1). Clips spaced 48 in. OC., and secured to studs with 1-5/8 in. wafer or hex head Type S steel screw through the center grommet. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC — Type RSIC-1.

6B. **Framing Members* —** Optional - Not Shown - Used as an alternate method to attach resilient channels (Item 6). Clips attached at each intersection of the resilient channel and the steel studs (Item 2). Resilient channels are friction fitted into clips, and then clips are secured to the stud with min. 1 in. long Type S-12 pan head steel screws through the center hole of the clip and the resilient channel flange.

KEENE BUILDING PRODUCTS CO INC — Type RC Assurance.

7. **Wall and Partition Facings and Accessories* —** (Optional, Not shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

SERIOUS ENERGY INC — Type QuietRock QR-510.

8. **Mineral and Fiber Board* —** (Optional, Not shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to studs and floor and ceiling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC. The required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

HOMASOTE CO — Homasote Type 440-32

9. **Lead Batten Strips —** (Not Shown, For Use With Item 4E) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum board (Item 4E) and optional at remaining stud locations. Required behind vertical joints.

9A. **Lead Batten Strips —** (Not Shown, for use with Item 4J) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.0625 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 6) and optional at remaining stud locations.

10. **Lead Discs or Tabs —** (Not Shown, For Use With Item 4E) - Used in lieu of or in addition to the lead batten strips (Item 8) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4E) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

10A. **Lead Discs —** (Not Shown, for use with Item 4J) Max 5/16 in. diam by max 0.0625 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.9% meeting the Federal Specification QQ-L-201f, Grade "C".

*Bearing the UL Classification Mark

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REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEY YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
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HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCA No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: UL ASSEMBLIES

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. KKY	Scale: N.T.S.	A9.13
Designed By: AU	Issue Date: 06/12/2024	
Drawn By: AU	Revit Version: 2023	

0 5' 50' GRAPHIC SCALES: 1/16" = 1'-0"
0 5' 25' 1/8" = 1'-0"
0 1' 12' 1/4" = 1'-0"
0 1' 6' 1/2" = 1'-0"
0 4' 3/4" = 1'-0"
0 1' 3' 1" = 1'-0"
0 2' 1 1/2" = 1'-0"
0 1' 3" = 1'-0"

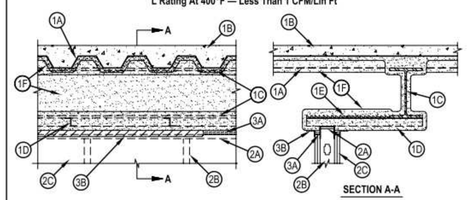
IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

HWS 0069

System No. HW-S-0069

Assembly Ratings — 1 and 2 Hr (See Items 1 and 2)
Maximum Joint Width - 1 In.
L Rating At Ambient — Less Than 1 CFM/Lin Ft
L Rating At 400°F — Less Than 1 CFM/Lin Ft

Classified by Underwriters Laboratories, Inc. to UL 2079 and CAN/ULC-S115



1. Floor Assembly — The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 Series Floor-Ceiling Design in the UL Fire Resistance Directory and as noted below. The hourly fire rating of the floor assembly shall be equal to or greater than the hourly fire rating of the wall assembly. The floor assembly shall include the following construction features:
   A. Steel Floor and Floor Units* — Max 3 in. (76 mm) deep galv steel fluted floor units.
   B. Concrete — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.
   C. Structural Steel Support — Steel beam, as specified in the individual D700 Series Floor-Ceiling Design, used to support steel floor units. Structural steel support oriented parallel to and max 12 in. (305 mm) from wall assembly.
   D. Steel Furring — Z-shaped bars or channels, located to span from steel beam to min 1 in. (25 mm) beyond face of wall and spaced max 24 in. (610 mm) on center. Z-shaped bars are nom 1-1/2 to 2 in. (38 to 51 mm) deep and formed from min 16 gauge painted or galvanized steel. Channels are nom 1-1/2 in. (38 mm) or 2 in. (51 mm) deep and formed from min 16 gauge painted or galvanized steel. Each bar or channel welded to steel beam and welded, bolted or screwed to ceiling runner of wall. Each bar or channel shall be fully covered with spray applied fire resistive material to the minimum thickness of material required on the flanges of the steel beam.
   E. Steel Lath — Nom 3/8 in. (10 mm) diamond mesh expanded steel rib lath having a nom weight of 3.4 lb/yd2 (1.8 kg/m2) shall be installed over and attached to the steel furring bars or channels (Item 1D) to completely cover the exposed area from the flange tip of the steel beam to the end of the bar/channel framing extending beyond the wall surface. The lath shall be secured with steel fasteners or tie wire and shall be fully covered with spray applied fire resistive material (see Item 1F).
   F. Spray-Applied Fire Resistive Material* — After installation of ceiling runner, steel floor units and structural steel beam to be sprayed with the thickness of material specified in the individual D700 Series Design. The flutes of the steel floor units above the structural steel beam shall be filled with spray-applied fire resistive material across the entire top flange of the steel beam. Each bar or channel furring member (Item 1D) shall be fully covered with spray applied fire resistive material to the minimum thickness of material required on the flanges of the steel beam. The thickness of material applied to the expanded steel lath shall be sufficient to completely fill the spaces between the bar/channel furring above the wall. Additional spray-applied fire resistive material shall be applied to the web of the steel beam on each side of the wall. For a 1 hr Assembly Rating, the thickness of material applied to each side of the steel beam web shall be 13/16 in. (21 mm). For a 2 hr Assembly Rating, the thickness of material applied to each side of the steel beam web shall be 1-3/8 in. (35 mm). In addition, the thickness of material applied to the expanded steel lath shall cover the top surface of the lath with a minimum 1-5/8 in. (41 mm) of material for the 1 hr Assembly Rating and 2-5/8 in. (67 mm) of material for the 2 hr Assembly Rating.
   W R GRACE & CO - CONN — Type MK-6/HY, MK-6/HY ES, MK-6s, RG

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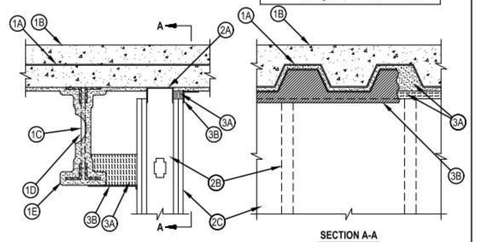
Hilti Firestop Systems

HWD 0388

System No. HW-D-0388

Classified by Underwriters Laboratories, Inc. to UL 2079 and CAN/ULC-S115

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1 and 2 Hr (See Item 2)	F Ratings — 1 and 2 Hr (See Item 2)
Nominal Joint Width - 1-1/2 In.	FT Ratings — 1 and 2 Hr (See Item 2)
Class II Movement Capabilities — 50% Compression or Extension	FH Ratings — 1 and 2 Hr (See Item 2)
L Rating At Ambient — Less Than 1 CFM/lin ft	FTH Ratings — 1 and 2 Hr (See Item 2)
L Rating At 400 F — Less Than 1 CFM/lin ft	Nominal Joint Width - 1-1/2 In.
	Class II Movement Capabilities — 50% Compression or Extension
	L Rating At Ambient — Less Than 1 CFM/lin ft
	L Rating At 400 F — Less Than 1 CFM/lin ft



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Hilti Firestop Systems

HWD 0388

System No. HW-D-0388

D. Structural Steel Support — Steel beam or open-web steel joist, as specified in the individual P700 or P800 or P900 Series Roof-Ceiling Design, used to support steel deck. Structural steel support oriented parallel to and 1 in. to 6 in. (25 to 152 mm) from wall assembly.
E. Steel Lath — When structural steel support (Item 1D) consists of open-web steel joists, 3/8 in. (10 mm) diamond mesh expanded steel lath having a nom weight of 1.7 lb 3.4 lb per sq yd (0.9 to 1.8 kg/m2) shall be installed to completely cover one side of each joist which is located within 6 in. (152 mm) of wall assembly. The lath shall be secured with steel tie wire and shall be fully covered with spray applied fire resistive material.
F. Spray-Applied Fire Resistive Material* — After installation of the ceiling runner (Item 2A), steel roof deck (P700 Series Roof-Ceiling design) and structural steel supports to be sprayed with a thickness of spray applied fire resistive material as specified in the individual Roof-Ceiling design. In addition, the flutes of the steel deck above the structural steel supports and above the ceiling runner (Item 2A) shall be filled with spray-applied fire resistive material. As an alternate, the spray-applied fire resistive material in the flutes above the ceiling runner may be applied to follow the contour of the steel roof deck. Excess material shall be removed from the flanges of the ceiling runner beyond the required thickness of spray-applied fire resistive material on the steel roof deck.
ISOLATEK INTERNATIONAL — Type 300, Type 400
GCP APPLIED TECHNOLOGIES INC — Type MK-6/HY, MK-6/HY ES, MK-6s, RG, MK-10HB
2. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Steel Floor and Ceiling Runners — Floor and ceiling runners of wall assembly shall consist of galv steel channels sized to accommodate steel studs (Item 2B). Flange height of ceiling runner to be 3/4 in. (19 mm) greater than max extended joint width. Ceiling runner is secured to steel floor units (Item 1A) with steel fasteners or welds spaced max 24 in. (610 mm) OC. Ceiling runner to be installed parallel with structural steel support and located such that a max clearance of 4 in. (102 mm) is present between the finished wall and the spray-applied fire resistive material at the lowest elevation of the structural steel support.
   A1. Light Gauge Framing* — Slotted Ceiling Runner — As an alternate to the ceiling runner in Item 2A, ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Ceiling runner secured to valleys with steel fasteners spaced max 24 in. (610 mm) OC.
   BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS — SLP-TRK, SLPTRK325
   CALIFORNIA EXPANDED METAL PRODUCTS CO — CST, CST325
   MARINO/WARE, DIV OF WARE INDUSTRIES INC — Type SLT
   A2. Light Gauge Framing* — Clipped Ceiling Runner — As an alternate to the ceiling runner in Items 2A and 2A1, clipped runner to consist of galv steel channel with clips preformed in track flanges which positively engage the inside flange of the steel studs (Item 2B). Track sized to accommodate steel studs (Item 2B). Track flanges to be min 2-1/2 in. (64 mm). Clipped ceiling runner secured with steel fasteners spaced max 24 in. (610 mm) OC.
   TOTAL STEEL SOLUTIONS L L C — Snap Trak
   A3. Light Gauge Framing*- Notched Ceiling Runner — As an alternate to the ceiling runners in Items 2A through 2A2, notched ceiling runners to consist of C-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC.
   OLMAR SUPPLY INC — Type SCR
   A4. Light Gauge Framing* — Slotted Ceiling Runner — As an alternate to the ceiling runner in Item 2A, ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Flange height of slotted ceiling runner shall be 3-1/4 in. (83 mm) with 2 in. (51 mm) deep slots. Ceiling runner secured to valleys with steel fasteners or welds spaced max 24 in. (610 mm) OC.
   SCAFCO STEEL STUD MANUFACTURING CO — Slotted Track-Type SDLT
   B. Studs — Steel studs to be min 3-1/2 in. (89 mm) wide. Studs cut 3/4 in. to 1 in. (19 to 25 mm) less in length than assembly height with bottom resting in and secured to floor runner. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 (13 mm) long wafer head steel screws at mid-height of slot on each side of wall. When slotted ceiling runner (Item 2A4) is used, steel studs cut in lengths 3/4 to 1-3/4 in. (19 to 44 mm) less than floor to ceiling height and secured to slotted ceiling runner with No. 8 by 1/2 (13 mm) long wafer head steel screws at +/- 3/16 in. (5 mm) of the mid-height of slot on each side of wall.

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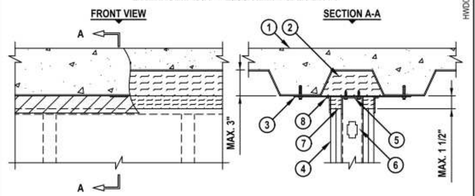
Hilti Firestop Systems

HWD0264h 121120

UL/cUL SYSTEM NO. HW-D-0264
TOP OF WALL JOINT : GYPSUM WALL ASSEMBLY

ASSEMBLY RATING = 1-HR. OR 2-HR.
CLASS II MOVEMENT CAPABILITIES - 50% COMPRESSION OR EXTENSION
L-RATING AT AMBIENT = LESS THAN 1 CFM / LIN FT
L-RATING AT 400°F = LESS THAN 1 CFM / LIN FT



1. FLOOR OR ROOF ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING) :
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MIN. 2-1/2" THICK) OVER METAL DECKING (UL/cUL CLASSIFIED D700 OR D900 SERIES).
   B. INSULATING CONCRETE (MIN. 2-1/4" THICK) OVER METAL DECKING (UL/cUL CLASSIFIED P900 SERIES).
   C. [NOT SHOWN] FLUTED STEEL ROOF DECK WITH SPRAY-APPLIED FIREPROOFING (UL/cUL CLASSIFIED P700 SERIES).

HILTI, Inc. Plano, Texas USA (800) 879-8000

Sheet	1 of 2	Drawing No.
Scale	9/64" = 1"	HWD 0264h
Date	Dec. 11, 2020	

Hilti Firestop Systems

Saving Lives through Innovation and Education

HWS 0069

System No. HW-S-0069

Assembly Ratings — 1 and 2 Hr (See Items 1 and 2)
Maximum Joint Width - 1 In.
L Rating At Ambient — Less Than 1 CFM/Lin Ft
L Rating At 400°F — Less Than 1 CFM/Lin Ft

Classified by Underwriters Laboratories, Inc. to UL 2079 and CAN/ULC-S115

F1. Spray-Applied Fire Resistive Material* — After installation of ceiling runner, steel floor units and structural steel support to be sprayed with the min thickness of material specified in the individual D700 Series Design. The flutes of the steel floor units above the structural steel beam shall be filled with spray-applied fire resistive material across the entire top flange of the steel beam. Each bar or channel furring member (Item 1D) shall be fully covered with spray applied fire resistive material to the minimum thickness of material required on the flanges of the steel beam. The thickness of material applied to the expanded steel lath shall be sufficient to completely fill the spaces between the bar/channel furring above the wall. Additional material shall be applied to the web of the steel beam on each side of the wall. For a 1 hr Assembly Rating, the thickness of material applied to each side of the steel beam web shall be 11/16 in. (18 mm). For a 2 hr Assembly Rating, the thickness of material applied to each side of the steel beam web shall be 1-1/2 in. (38 mm). In addition, the thickness of material applied to the expanded steel lath shall cover the top surface of the lath with a minimum 1-5/8 in. (41 mm) of material for the 1 hr Assembly Rating and 2-5/8 in. (67 mm) of material for the 2 hr Assembly Rating.
   ISOLATEK INTERNATIONAL — Type 300
2. Wall Assembly — The 1 or 2 hr fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Steel Floor and Ceiling Runners — Floor and ceiling runners of wall assembly shall consist of galv steel channels sized to accommodate steel studs (Item 2B). Ceiling runner to be provided with min 1-1/4 in. (32 mm) to max 3 in. (76 mm) flanges. Ceiling runner is secured to steel furring (Item 1D) with steel fasteners or welds spaced max 24 in. (610 mm) OC. Ceiling runner to be installed parallel with structural steel support and located such that a max clearance of 12 in. (305 mm) is present between the finished wall and the flange of the steel beam (Item 1C).
   B. Studs — Steel studs to be min 3-1/2 in. (89 mm) wide. Studs cut 1/2 in. to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom resting in and secured to floor runner. Studs to nest in ceiling runner without attachment.
   C. Gypsum Board* — Gypsum board sheets installed to a min total 5/8 in. (16 mm) or 1-1/4 in. (32 mm) thickness on each side of wall for 1 and 2 hr fire rated assemblies, respectively. Wall to be constructed as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory except that a max 1 in. (25 mm) gap shall be maintained between the top of the gypsum board and the bottom plane of the spray applied fire resistive material on the steel furring (Item 1D) on both sides of the wall assembly.
   The hourly fire rating of the joint system is equal to the hourly fire rating of the wall.
3. Joint System — Max separation between bottom plane of spray-applied fire resistive material on the steel furring (Item 1D) and the top of the gypsum board is 1 in. (25 mm). The joint system shall consist of forming and fill materials, as follows:
   A. Forming Material* — Nom 4 pcf (64 kg/m3) density mineral wool batt insulation. Sections of mineral wool batt cut to a thickness equal to the overall thickness of gypsum board and compressed a min of 50 percent into the gap between the top of the gypsum board and the bottom plane of the spray applied fire resistive material on the steel furring (Item 1D) on both sides of the wall assembly.
   FIBREX INSULATIONS INC — FBX Safing Insulation
   ROCK WOOL MANUFACTURING CO — Delta Board
   THERMAFIBER INC — Type SAF
   A1. Forming Material* - Strips — (Optional) - Nom 5/8 in. and 1-1/4 in. (16 and 32 mm) wide precut mineral wool strips for 1 and 2 hr rated assemblies respectively. The strips are compressed 50 percent in thickness and firmly packed into the gap between the top of the gypsum board and bottom of the spray applied fire resistive material on the steel furring (Item 1D) on both sides of the wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC — CP 767 Speed Strips
   B. Fill, Void or Cavity Material* - Sealant — A min 1/8 in. (3 mm) wet thickness of fill material sprayed or troweled on each side of wall to completely cover mineral wool forming material and to overlap min 1/2 in. (13 mm) onto wall and min 2 in. (51 mm) onto spray-applied fire resistive material.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC — CP672 Firestop Spray.

*Bearing the UL Classification Mark

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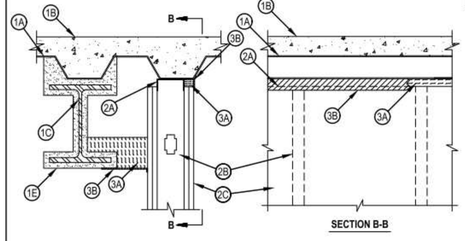
Hilti Firestop Systems

HWD 0388

System No. HW-D-0388



1. Floor Assembly — The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory. The hourly fire rating of the floor assembly shall be equal to or greater than the hourly fire rating of the wall assembly. The floor assembly shall include the following construction features:
   A. Steel Floor and Floor Units* — Max 3 in. (76 mm) deep galv steel fluted floor units.
   B. Concrete — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.
   C. Structural Steel Support — Steel beam or open-web steel joist, as specified in the individual D700 or D900 Series Floor-Ceiling Design, used to support steel floor units. Structural steel support oriented parallel to and 1 to 6 in. (25 to 152 mm) from wall assembly.
   D. Steel Lath — When structural steel support (Item 1C) consists of open-web steel joists, 3/8 in. (10 mm) diamond mesh expanded steel lath having a nom weight of 1.7 to 3.4 lb per sq yd (0.9 to 1.8 kg/m2) shall be installed to completely cover one side of each joist which is located within 6 in. (152 mm) of wall assembly. The lath shall be secured with steel tie wire and shall be fully covered with spray applied fire resistive material.
   E. Spray-Applied Fire Resistive Material* — After installation of the ceiling runner (Item 2A), steel floor units and structural steel supports to be sprayed with the thickness of material specified in the individual D900 Series Design. The flutes of the steel floor units above the structural steel supports and above the ceiling runner (Item 2A) shall be filled with spray-applied fire resistive material. As an alternate, the spray-applied fire resistive material in the flutes above the ceiling runner may be applied to follow the contour of the steel floor units. Excess material shall be removed from the flanges of the ceiling runner beyond the required thickness of spray-applied fire resistive material on the steel floor units.
   ISOLATEK INTERNATIONAL — Type 300, Type 400
   GCP APPLIED TECHNOLOGIES INC — Type MK-6/HY, MK-6/HY ES, MK-6s, RG, MK-10HB
1A. Roof Assembly — (Not Shown) — As an alternate to the floor assembly (Item 1), a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 or P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly fire rating of the roof assembly shall be equal to or greater than the hourly fire rating of the wall assembly. The roof assembly shall include the following construction features:
   A. Steel Roof Deck — Max 3 in. (76 mm) deep galv steel fluted roof deck.
   B. Roof Insulation — Mineral and Fiber Board* — Min 3/4 in. (19 mm) thick boards applied in one or more layers directly over steel roof deck or over gypsum board sheathing laid atop steel roof deck.
   C. Roof Covering* — Hot-mopped or cold-application materials compatible with mineral and fiber board insulation.

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Hilti Firestop Systems

HWD 0388

System No. HW-D-0388

C. Gypsum Board* — Gypsum board sheets installed to a min total 5/8 in. (16 mm) or 1-1/4 in. (32 mm) thickness on each side of wall for 1 and 2 hr fire rated assemblies, respectively. Wall to be constructed as specified in the individual U400, V400 or W400 Series Design in the UL Fire Resistance Directory except that a max 1 in. (25 mm) gap shall be maintained between the top of the gypsum board and the bottom plane of the spray applied fire resistive material on the steel deck when D700 series assembly is used or between the top of gypsum board and the steel floor units when D900 series assembly is used, on both sides of the wall assembly. The screws attaching the gypsum board to the studs along the top of the wall shall be located 1 to 1-1/2 in. (25 to 38 mm) below the bottom of the ceiling runner. No gypsum board attachment screws shall be driven into the ceiling runner. Where the top of the wall assembly is inaccessible above the lowest elevation of the structural steel support, the gypsum board attachment screws may be omitted.
The hourly fire rating of the joint system is equal to the hourly fire rating of the wall.
3. Joint System — Max separation between bottom of the spray applied fire resistive material on the steel floor units and top of gypsum board (at time of installation of joint system) is 1-1/2 in. (38 mm) when D700 series assembly is used. Max separation between bottom of the steel floor units and top of gypsum board (at time of installation of joint system) is 1-1/2 in. (38 mm) when D900 series assembly is used. Max separation between spray applied fire resistive material on structural support member and surface of wall is 4 in. (102 mm). The joint system is designed to accommodate a max 50 percent compression or extension from its installed width as measured between the bottom plane of the steel floor units or spray-applied fire resistive material on the steel floor units and the top of the gypsum board. The joint system shall consist of forming and fill materials, as follows:
   A. Forming Material* — Nom 4 pcf (64 kg/m3) density mineral wool batt insulation. Sections of mineral wool batt cut to a width of 4 in. (102 mm) and stacked to attain a thickness which is 50 percent greater than the width of the linear gap between the spray applied fire resistive material on the structural steel member and the surface of the wall assembly. Stacked sections of mineral wool compressed 33 percent in thickness and installed cut edge first into linear gap until the bottom edge is flush with or extend max 1-1/2 in. (38 mm) below the bottom surface of the spray applied fire resistive material on the structural steel member. When the spray-applied fire resistive material in the flutes above the wall follows the contour of the steel deck, sections of mineral wool batt cut to the shape of the fluted deck and installed in the flutes of the steel floor or roof deck between the top of the ceiling runner and the spray-applied fire resistive material. The mineral wool batt insulation is to be installed flush with the gypsum board surface on the side of the wall opposite the structural steel support. Additional sections of mineral wool batt insulation are compressed 50 percent in thickness and are installed cut edge first to completely fill the gap above the top of the gypsum board.
   INDUSTRIAL INSULATION GROUP L L C — MinWool-1200 Safing
   JOHNS MANVILLE — Safing
   ROCK WOOL MANUFACTURING CO — Delta Board
   ROCKWOOL MALAYSIA SDN BHD — SAFE
   ROCKWOOL — SAFE
   THERMAFIBER INC — Type SAF
   A1. Forming Material* — Plugs — (Optional, Not Shown) - Preformed mineral wool plugs, formed to the shape of the fluted deck, friction fit to completely fill the flutes. The plugs shall be flush with both wall surfaces. Additional forming material, described in Item 3A, to be used in conjunction with the plugs to fill the gap between the top of the wall and bottom of steel deck.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP777 Speed Plugs
   B. Fill, Void or Cavity Material* — Sealant — Min 1/8 in. (3.2 mm) wet thickness or 1/16 in. (1.6 mm) dry thickness of fill material spray or brush applied over the forming material on each side of the wall. Fill material to overlap a min of 1/2 in. (13 mm) onto the gypsum board and a min 2 in. (51 mm) onto the steel floor units or spray-applied fire resistive material on the steel floor units and on the structural steel support member.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-SP WB Firestop Joint Spray

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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Hilti Firestop Systems

HWD0264h 121120

UL/cUL SYSTEM NO. HW-D-0264
TOP OF WALL JOINT : GYPSUM WALL ASSEMBLY

ASSEMBLY RATING = 1-HR. OR 2-HR.
CLASS II MOVEMENT CAPABILITIES - 50% COMPRESSION OR EXTENSION
L-RATING AT AMBIENT = LESS THAN 1 CFM / LIN FT
L-RATING AT 400°F = LESS THAN 1 CFM / LIN FT

2. HILTI CP 777 SPEED PLUGS FRICTION FITTED TO COMPLETELY FILL FLUTES. ADJACENT LENGTHS OF SPEED PLUGS TO BE TIGHTLY BUTTED WITH SEAMS SPACED MINIMUM 24" APART ALONG LENGTH OF THE PLUGS (SEE NOTE NO. 5 BELOW).
3. MINIMUM 2" WIDE, 16 GA., STEEL STRAPS CUT TO A LENGTH TO SPAN THE FLUTE AND OVERLAP THE ADJACENT VALLEYS BY 1-1/2". STEEL STRAPS SPACED MAXIMUM 24" ON CENTER AND FASTENED TO FLOOR ASSEMBLY WITH APPROPRIATE HILTI ANCHORS (1/4" DIAMETER x 1-1/2" LONG) OR 1" LONG HILTI X-U 27 P8S15 POWDER ACTUATED FASTENERS WITH 9/16" DIAMETER STEEL WASHERS OR WITH MASONRY ANCHORS OR STEEL FASTENERS.
4. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400, V400, OR W400 SERIES) (1-HR. OR 2-HR. FIRE-RATING).
5. CEILING RUNNER (MIN. 25 GA. WITH 2" FLANGES) INSTALLED PARALLEL TO DIRECTION OF STEEL FLOOR UNITS AND SECURED TO STEEL STRAPS WITH TWO NO. 8 SELF-DRILLING, SELF-TAPPING STEEL SCREWS PER STRAP.
6. STEEL STUDS (MIN. 2-1/2" WIDE), CUT 1/2" TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT, NESTING IN CEILING RUNNER WITHOUT ATTACHMENT.
7. HILTI CP 767 SPEED STRIPS OR MINERAL WOOL SAFING (MIN. 4 PCF DENSITY) COMPRESSED 50% AND INSERTED INTO JOINT, FLUSH WITH BOTH SIDES OF WALL.
8. MINIMUM 1/8" (WET) THICKNESS HILTI CFS-SP WB FIRESTOP JOINT SPRAY TO COMPLETELY COVER MINERAL WOOL AND TO OVERLAP A MINIMUM 1/2" ONTO GYPSUM WALL, STEEL STRAPS, AND METAL DECK.

NOTES : 1. MAXIMUM WIDTH OF JOINT = 1-1/2".
2. STEEL FLOOR UNITS MAY BE SPRAYED WITH A MINIMUM 5/16" TO MAXIMUM 1-3/4" THICKNESS OF UL CLASSIFIED MONOKOTE TYPE MK-6/HY (MANUFACTURED BY GCP APPLIED TECHNOLOGIES) OR CAFCO TYPE 300 (MANUFACTURED BY ISOLATEK, INT.) FIREPROOFING, PRIOR TO INSTALLATION OF CEILING RUNNERS.
3. WHEN THE STEEL DECK IS COATED WITH FIREPROOFING, HILTI FIRESTOP JOINT SPRAY SHALL OVERLAP THE WALL A MINIMUM 1/2" AND OVERLAP THE FIREPROOFING A MINIMUM 2" ON BOTH SIDES OF GYPSUM WALL ASSEMBLY.
4. AS AN ALTERNATE TO CEILING RUNNER IN ITEM NO. 3, SLOTTED CEILING RUNNERS MAY BE USED. CONSULT THE UL FIRE RESISTANCE DIRECTORY FOR APPROVED MANUFACTURERS.
5. AS AN ALTERNATE TO HILTI CP 777 SPEED PLUGS (ITEM 2), MINERAL WOOL SAFING (MIN. 4 PCF DENSITY) MAY BE CUT TO THE SHAPE OF THE FLUTED FLOOR TO COMPLETELY FILL THE FLUTES ABOVE STRAPS. ADJACENT LENGTHS OF SAFING TO BE TIGHTLY BUTTED WITH SEAMS SPACED 24" APART ALONG LENGTH OF FLUTES. ALTERNATELY, FLUTE MAY BE FILLED WITH FIREPROOFING ABOVE THE STRAPS.

HILTI, Inc. Plano, Texas USA (800) 879-8000

Sheet	2 of 2	Drawing No.
Scale	-	HWD 0264h
Date	Dec. 11, 2020	

Hilti Firestop Systems

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30 UL HW-S-0069 N.T.S.

25 UL HW-D-0388 N.T.S.

10 UL HW-D-0264 N.T.S.

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6/20/2024 4:58:27 PM

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCA No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wmn: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: UL ASSEMBLIES

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. KKY	Scale: N.T.S.	A9.14
Designed By: AU	Issue Date: 06/12/2024	
Drawn By: AU	Revit Version: 2023	

GRAPHIC SCALES: 1/16" = 1'-0" 1/8" = 1'-0" 1/4" = 1'-0" 1/2" = 1'-0" 3/4" = 1'-0" 1" = 1'-0" 1 1/2" = 1'-0" 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

PLOT DATE: May 09, 2017

GENERAL NOTES

1. CONSTRUCTION, WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING STANDARDS CODE (2013 CBSC).
2. THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE OSHPD PRE-APPROVED DETAILS (OPD) AND ANY OTHER PORTION OF THE CONSTRUCTION DOCUMENTS, FIELD CONDITIONS OR WHERE ANY CONDITIONS ARISE NOT COVERED BY THESE DOCUMENTS WHEREIN WORK WILL NOT COMPLY WITH THE REQUIREMENTS OF THE 2013 CBSC.
3. THE INTENT OF THE OPD IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE 2013 CBSC. SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE WORK WILL NOT COMPLY WITH THE 2013 CBSC, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
4. GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO ASTM A635-09a MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI S100-07/S2-10: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, WITH SUPPLEMENT 2, DATED 2010, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAGE) AND LIGHTER AND MINIMUM YIELD STRENGTH OF 50 KSI FOR HEAVIER GAGES.
5. METAL STUDS AND TRACKS SHALL BE OF SIZE, THICKNESS AND SECTION PROPERTIES SHOWN ON TABLES I-1, I-2 AND I-3 OF THE AISI MANUAL, COLD FORMED STEEL DESIGN, 2008 EDITION. THE RDP IN RESPONSIBLE CHARGE SHALL OBTAIN OSHPD APPROVAL FOR ANY SUBSTITUTIONS.
6. THESE OPD REFER TO FASTENER TYPE AND SIZE BUT DO NOT SPECIFY OR ENDORSE A SPECIFIC MANUFACTURER. THE RDP IN RESPONSIBLE CHARGE SHALL SELECT A MANUFACTURER, AND SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE ALLOWABLE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET:
   A. SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118 AND ALLOWABLE STRENGTH SHALL BE BASED ON INFORMATION PROVIDED IN ST1.07 AND ST1.08. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
   B. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES. ALL FIELD WELDING SHALL HAVE SPECIAL INSPECTION IN ACCORDANCE WITH 2013 CBC 1705A.2.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: GENERAL NOTES - PAGE 1 OF 3
OPD NO.: ST0.00

PLOT DATE: May 09, 2017

D. SEISMIC COEFFICIENTS:

a_p = 1.0 (ASCE 7-10, TABLE 13.5-1, CEILINGS, PARTITIONS, CABINETS, ETC.)

R_p = 2.5 (ASCE 7-10, TABLE 13.5-1, CEILINGS, PARTITIONS, CABINETS, ETC.)

Ω_o = 2.5 (ASCE 7-10, TABLE 13.5-1, CEILINGS, PARTITIONS, CABINETS, ETC.)

Ip = 1.5 (ASCE 7-10, SECTION 13.1.3)

z/h = 1.0 (ALLOWS FOR INSTALLATION AT ANY FLOOR OR ROOF LEVEL OF THE BUILDING)

F_p = LARGER OF 5 PSF IN ACCORDANCE WITH 2013 CBC SECTION 1607A.14 OR SEISMIC DESIGN FORCE IN ACCORDANCE WITH ASCE 7-10 SECTION 13.3.1

$F_v = 0.2S_{DS}D$ (ASCE 7-10, SECTION 13.3.1), APPLIED CONCURRENTLY WITH F_p

ρ = 1.0 (ASCE 7-10, SECTION 13.3.1)

S_{DS} - WHERE LIMITING S_{DS} VALUES ARE NOT EXPLICITLY NOTED IN THE OPD, FRAMING SYSTEM OR COMPONENT SHOWN IN THE OPD HAS BEEN DESIGNED TO ACCOMMODATE ALL S_{DS} VALUES UP TO 1.95g. PROJECT SPECIFIC DESIGN IS REQUIRED FOR S_{DS} HIGHER THAN 1.95g.

E. DEFLECTION LIMIT = L/120 (2013 CBC TABLE 1604A.3, INTERIOR PARTITION WALLS WITH FLEXIBLE FINISHES). NOT PERMITTED FOR INTERIOR PARTITION WALLS WITH BRITTLE FINISHES.

F. FASTENER ALLOWABLE STRENGTH TABLES WERE DEVELOPED BASED ON ICC REPORTS BY MULTIPLE MANUFACTURERS.

G. THE OPD DESIGN ASSUMES THAT STRUCTURAL ELEMENTS AND SUPPORTS TO WHICH THE COMPONENTS ARE ANCHORED HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING STRUCTURAL ELEMENTS IS BEYOND THE SCOPE OF THE OPD.

H. LG BEAMER 8.10 SOFTWARE WAS USED FOR STUD CAPACITY CHECK. THIS SOFTWARE USES AISI S100-07/S2-10 AS THE BASIS FOR SECTION PROPERTY CALCULATIONS AND INTERACTION CHECKS.

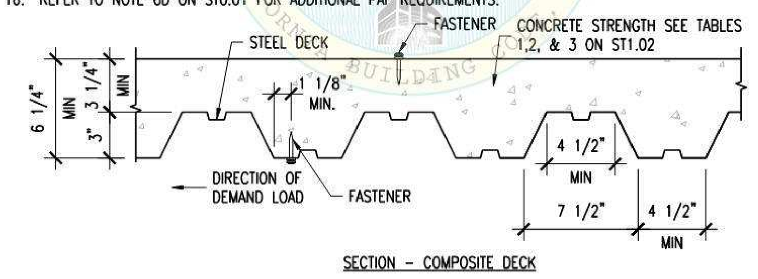
8. THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY FIRE RESISTIVE AND ACOUSTICAL RATINGS FOR ALL PARTITION WALL ASSEMBLIES.
9. INDIVIDUAL DETAILS WITHIN THIS OPD TYPICALLY RELY UPON OTHER DETAILS FOR INFORMATION ESSENTIAL TO THEIR APPLICATION. OPD ARE TO BE USED IN CONJUNCTION WITH ALL RELATED, APPLICABLE DETAILS WITHIN THIS OPD PACKAGE INCLUDING THE GENERAL NOTES.
10. OPD PROVIDE OPTIONS FOR COMPONENTS SUCH AS STUD SIZES, BRACES SIZES, FASTENERS, ETC. THE RDP IN RESPONSIBLE CHARGE SHALL CLEARLY IDENTIFY ALL COMPONENTS SELECTED FOR USE IN THE PROJECT-SPECIFIC CONDITIONS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: GENERAL NOTES - PAGE 3 OF 3
OPD NO.: ST0.02

PLOT DATE: May 09, 2017

POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL DECK OR CONC SLAB)

1. POWER ACTUATED FASTENER (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF).
2. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
3. ALLOWABLE STRENGTHS ARE FOR A SINGLE FASTENER WHICH MEET REQUIREMENTS PER SECTION BELOW AND TABLES ON ST1.02. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN THE ICC ESRS 1799, 2024, 2138, & 2269.
4. MINIMUM CONCRETE STRENGTH f'c=2000 PSI FOR NORMAL WEIGHT CONCRETE AND f'c=3000 PSI FOR ALL LIGHT WEIGHT CONCRETE UNLESS NOTED OTHERWISE.
5. POWER ACTUATED FASTENER INSTALLED THROUGH LOW FLUTES OF THE METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTION BELOW.
6. MINIMUM EDGE DISTANCE OF 1 1/8" FROM THE EDGE OF METAL DECK WEB AND 4" FROM THE EDGE OF THE DECK.
7. STEEL DECK TO BE A MINIMUM OF 20GA.
8. CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK MUST BE A MINIMUM OF 3 1/4" AT LIGHT WEIGHT CONCRETE COMPOSITE METAL DECK.
9. PAF SHALL NOT BE USED TO RESIST SEISMIC SHEAR FORCES EXCEPT AT INTERIOR NON-LOAD BEARING, NON-SHEAR WALL PARTITION WALLS (AS PERMITTED BY 2013 CBC SECTION 1908A.1.1) AND COMPONENTS EXEMPT FROM CONSTRUCTION DOCUMENT REVIEW BY 2013 CBC SECTION 1616A.1.18 (NOT PERMITTED TO TAKE SEISMIC SHEAR BY ICC-ES AC70 FOR ANY OTHER CONDITIONS). PAF SHALL NOT BE USED TO CARRY SEISMIC TENSION LOADS (EXCEPT FOR VERTICAL SEISMIC LOAD PRODUCED BY SELF WEIGHT OF THE COMPONENTS) OR IN CRACKED CONCRETE UNLESS APPROVED FOR SUCH LOADING BY OSHPD.
10. PAF SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND AND REINFORCEMENT PRIOR TO FASTENER INSTALLATION.
11. PAF INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING CONCRETE REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. PAF SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT. THIS MAY REQUIRE NON-DESTRUCTIVE TESTING.
12. PAF SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD).
13. TESTING OF PAF SHALL BE PER 2013 CBC SECTION 1913A.7. MINIMUM CONCRETE SUBSTRATE THICKNESS IS THREE TIMES THE PAF PENETRATION INTO THE CONCRETE SUBSTRATE.
14. TESTING IS NOT REQUIRED OF PAF USED TO ATTACHED TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY WHERE THERE ARE AT LEAST THREE FASTENERS.
15. TOTAL ALLOWABLE LOADS IN TENSION, SHEAR OR TENSION SHEAR COMBINATIONS SHALL NOT EXCEED 90 LB AS PERMITTED BY EXCEPTION TO THE ASCE 7-10 SECTION 13.4.5.
16. REFER TO NOTE 6D ON ST0.01 FOR ADDITIONAL PAF REQUIREMENTS.

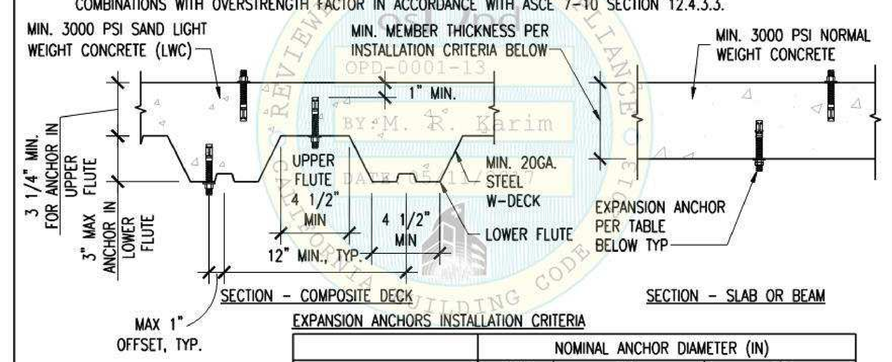


SECTION - COMPOSITE DECK

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL DECK OR CONC SLAB)
OPD NO.: ST1.01

EXPANSION ANCHOR GENERAL NOTES

1. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
2. ALLOWABLE STRENGTHS ARE FOR SINGLE ANCHORS WHICH MEET MIN. REQUIREMENTS PER TABLE & SECTION BELOW.
3. MINIMUM CONCRETE STRENGTH f'c=3000 PSI.
4. EXPANSION ANCHORS INSTALLED THROUGH UPPER OR LOWER FLUTES OF METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTION BELOW.
5. STEEL DECK TO BE MIN. 20 GA. W-DECK.
6. MINIMUM CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK PER SECTION AND INSTALLATION CRITERIA BELOW.
7. EXPANSION ANCHORS SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO ANCHOR INSTALLATION.
8. EXPANSION ANCHOR INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. EXPANSION ANCHORS SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT.
9. EXPANSION ANCHORS SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORT OR REPORT FROM OTHER TESTING AGENCY ACCEPTABLE TO OSHPD.
10. TESTING OF EXPANSION ANCHORS SHALL BE PER 2013 CBC SECTION 1913A.7.
11. EXPANSION ANCHORS SHALL BE INSTALLED TO COMPLY W/ THE MINIMUM SLAB THICKNESS REQUIREMENTS ESTABLISHED BY THE ICC-ESR FOR THE SPECIFIED ANCHOR.
12. REFER TO NOTE 6C ON ST0.01 FOR ADDITIONAL EXPANSION ANCHOR REQUIREMENTS.
13. ALL VALUES IN TABLES ARE FOR CRACKED CONCRETE & INCLUDE REDUCTION BASED ON ACI 318-11 D3.3.4 REQUIREMENTS. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS CALCULATED USING THE ICC ESRS 1917, 2427, 2502, & 3037 AND USING AN α FACTOR OF 1.4.
14. ALL VALUES IN TABLES REFLECT THE ALLOWABLE STRENGTHS WITH 20% ALLOWABLE STRESS INCREASE FOR LOAD COMBINATIONS WITH OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 SECTION 12.4.3.3.



SECTION - COMPOSITE DECK

SECTION - SLAB OR BEAM

EXPANSION ANCHORS INSTALLATION CRITERIA

	NOMINAL ANCHOR DIAMETER (IN)				
	3/8	1/2		5/8	
EFFECTIVE MIN. EMBEDMENT (IN)	2	2 1/4	3 1/4	3 1/8	4
MIN. MEMBER THICKNESS NWC SLAB OR BEAM ONLY (IN)	4.5	4.5	6	6	7 1/4
MIN. ANCHOR SPACING (3 x EMBED) (IN)	6 3/4	6 3/4	9 3/4	9 3/8	12
MIN. EDGE DISTANCE (IN)	6	7	7 1/2	6 1/2	8 3/4

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: EXPANSION ANCHOR GENERAL NOTES
OPD NO.: ST1.03

POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN STEEL)

1. MINIMUM STEEL TENSILE STRENGTH Fu=58 KSI.
2. MINIMUM SPACING 1 INCH.
3. MINIMUM EDGE DISTANCE 1/2 INCH.
4. USE KNURLED SHANK.
5. POWER ACTUATED FASTENERS (PAF) SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORTS OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD.
6. SEE GENERAL NOTE 6D & E ON ST0.01 FOR PAF REQUIREMENTS & ATTACHMENT TO STEEL.
7. POWER POWER ACTUATED FASTENER (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS, ARE COMMON NOMINCLATURES THAT ALL REPRESENT THE SAME FASTENER.
8. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
9. ALLOWABLE STRENGTHS ARE FOR SINGLE FASTENER, WHICH MEETS THE REQUIREMENTS PER NOTES ABOVE. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN THE ICC ESRS 1799, 2024, 2138 & 2269.
10. TOTAL ALLOWABLE TENSION, SHEAR OR TENSION SHEAR COMBINATION SHALL NOT EXCEED 250 LB AS REQUIRED BY THE EXCEPTION TO ASCE 7-10 SECTION 13.4.5.
11. LIMIT USE TO INTERIOR NON-BEARING, NON-SHEAR WALL PARTITIONS AND COMPONENTS EXEMPT FROM CONSTRUCTION DOCUMENTS REVIEW BY THE 2013 CBC SECTION 1616A.1.18 (NOT PERMITTED TO TAKE SEISMIC SHEAR BY ICC-ES AC 70 FOR ANY OTHER CONDITIONS.)

POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN STEEL)

NOMINAL SHANK DIAMETER (IN)	STEEL THICKNESS (IN)							
	3/16		1/4		3/8		1/2	
	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)
0.145 MIN	155	250	230	250	250	250	190	220

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: POWER ACTUATED FASTENER GENERAL NOTES AND ALLOWABLE STRENGTHS (INSTALLED IN STEEL)
OPD NO.: ST1.05

C. POST-INSTALLED ANCHORS (E.G. EXPANSION ANCHORS, SCREW ANCHORS, AND POWER-ACTUATED FASTENERS) SHALL HAVE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH THE 2013 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE, SEE THE 2013 CBC SECTIONS 1616A.1.19 AND 1908A.1.1 LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED.

D. POWER-ACTUATED FASTENERS (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) AND SHOT PINS ALL REPRESENT THE SAME DEVICE AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF). PAF SHALL SATISFY THE CURRENT AC70-ACCEPTANCE CRITERIA FOR FASTENERS POWER-DRIVEN INTO CONCRETE, STEEL AND MASONRY ELEMENTS AND THE 2013 CBC SECTION 1908A.1.1. LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED.

E. FOR PAF INSTALLED IN STEEL THE FASTENER PENETRATION SHALL HAVE THE ENTIRE POINTED END OF THE FASTENER DRIVEN THROUGH THE STEEL MEMBER, EXCEPT AS NOTED IN CURRENT REPORTS FROM TESTING AGENCIES ACCEPTABLE TO OSHPD.

7. DESIGN CRITERIA
   A. CODE: 2013 CALIFORNIA BUILDING STANDARDS CODE (2013 CBC), ASCE 7-10 WITH SUPPLEMENT #1, AISI S100-07/S2-10, AISI S211-07 WALL STUD DESIGN AND AISI S212-07 FOR HEADER DESIGN.
   B. LOAD COMBINATIONS: ALLOWABLE STRESS DESIGN IN ACCORDANCE WITH 2013 CBC SECTION 1605A.3.1.
   C. SYSTEM WEIGHTS:

   PARTITION WALLS = 7.5 PSF (INCLUDES METAL STUDS, TWO LAYERS OF GYP BOARD, TWO LAYERS ON ONE SIDE OR ONE LAYER ON BOTH SIDES, AND 1 PSF FOR INSULATION AND FINISHES)

   SOFFITS = 10 PSF (INCLUDES METAL STUDS, TWO LAYERS OF GYP BOARD, TWO LAYERS ON ONE SIDE OR ONE LAYER ON BOTH SIDES, AND 3.5 PSF FOR INSULATION, FINISHES AND MINOR FIXTURES)

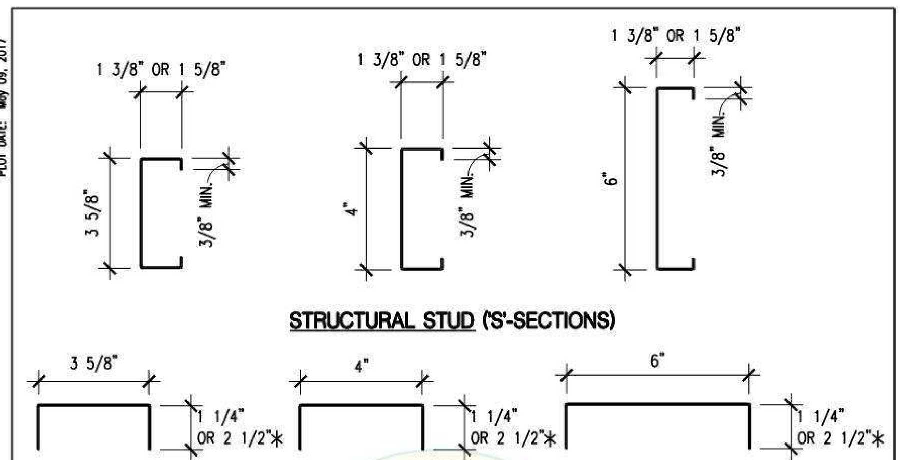
   DOORS AND WINDOWS = 10 PSF

   CABINETS = 38 PCF (INCLUDES CONTENTS AT 33 PCF PER 2013 CBC TABLE 1607A.1 AND CABINET SELF WEIGHT OF 5 PCF)

   EQUIPMENT = 38 PCF (EQUIPMENT LOAD IS ASSUMED TO BE THE SAME AS CABINET LOAD)

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: GENERAL NOTES - PAGE 2 OF 3
OPD NO.: ST0.01

PLOT DATE: May 09, 2017



STRUCTURAL TRACK ('T'-SECTIONS)

* - DEEP LEG TRACK (WHERE OCCURS AS NOTED IN DETAILS)

DESIGNATION THICKNESS (MILS)	REFERENCE ONLY GAUGE NO.
18	25
27	22
33	20
43	18
54	16
68	14
97	12
118	10

NOTES:
1. SEE WALL STUD FRAMING SECTIONS FOR THICKNESS OF STUDS & TRACKS.
2. Fy = 50KSI FOR 54 MIL (16GA) & THICKER SECTIONS, AND Fy = 33KSI FOR SECTIONS UP TO & INCLUDING 43 MIL (18GA).
3. SIZES AND THICKNESS ARE CONSIDERED MINIMUMS.
4. STRUCTURAL STUDS MAY BE PUNCHED UNLESS NOTED OTHERWISE. STRUCTURAL TRACK SHALL BE UNPUNCHED UNLESS NOTED OTHERWISE.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: METAL STUD PROFILES
OPD NO.: ST1.00

POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN CONCRETE FILLED METAL DECK OR CONC SLAB)

TABLE 1
POWER ACTUATED FASTENER INSTALLED IN SAND-LIGHTWEIGHT CONCRETE THROUGH METAL DECK (f'c MIN=3000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN. EMBED (IN)	MIN. SPACING (IN)	MIN. EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	5.1	4	90	90

TABLE 2
POWER ACTUATED FASTENER INSTALLED INTO STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'c MIN=3000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN. EMBED (IN)	MIN. SPACING (IN)	MIN. EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	5.1	4	90	90

TABLE 3
POWER ACTUATED FASTENER INSTALLED INTO NORMAL-WEIGHT CONCRETE (f'c MIN=2000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN. EMBED (IN)	MIN. SPACING (IN)	MIN. EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	5.1	4	90	90

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN CONC FILLED METAL DECK OR CONC SLAB)
OPD NO.: ST1.02

PLOT DATE: May 09, 2017

EXPANSION ANCHOR ALLOWABLE STRENGTHS

TABLE 1
EXPANSION ANCHORS INSTALLED IN TO THE UNDERSIDE OF STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'c MIN=3000 PSI) OVER METAL DECK

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	747	604
1/2	2 1/4	1029	610
1/2	3 1/4	1173	1086
5/8	3 1/4	1353	836
5/8	4 1/4	2477	1941

TABLE 2
EXPANSION ANCHORS INSTALLED IN TO THE TOP OF STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'c MIN=3000 PSI) OVER METAL DECK

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	806	624
1/2	2 1/4	948	660

TABLE 3
EXPANSION ANCHORS INSTALLED IN NORMAL WEIGHT CONCRETE (f'c MIN=3000 PSI)

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	1020	961
1/2	2 1/4	1580	1101
1/2	3 1/4	2591	2003
5/8	3 1/4	2579	2150
5/8	4 1/4	3772	3113

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: EXPANSION ANCHOR ALLOWABLE STRENGTHS
OPD NO.: ST1.04

SHEET METAL SCREW (SMS) GENERAL NOTES

1. THE ALLOWABLE STRENGTHS ARE BASED UPON THE AISI S100-07/S2-10 AND ARE LIMITED BY ACTUAL TESTED STRENGTH OF THE SCREWS IN TENSION AND SHEAR.
2. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE AVERAGE TESTED TENSILE AND SHEAR STRENGTHS TABULATED FROM ICC ESR'S 1976, 2196, 1730, 1408, AND THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA). FASTENER TYPES AND SIZES APPLY TO NON-PROPRIETARY FASTENER TYPES AND SIZES, AND DOES NOT ENDORSE A SPECIFIC MANUFACTURER. WHERE PROPRIETARY FASTENERS ARE SPECIFIED, NO EXCEPTIONS ARE TAKEN TO THE USE OF MANUFACTURER SPECIFIC VALUES THAT ARE BASED UPON THE AISI S100-07/S2-10, SECTION E4. ALL SCREW FASTENERS SHALL SATISFY ICC-ES AC118-ACCEPTANCE CRITERIA FOR SELF TAPPING SCREW FASTENERS.
3. TABLE 1 REPRESENTS ALLOWABLE TENSION AND SHEAR STRENGTHS FOR NON-PROPRIETARY SHEET METAL SCREWS FOR STEEL TO STEEL CONNECTIONS.
4. TABLE 2 AND 3 REPRESENT ALLOWABLE TENSION AND SHEAR STRENGTHS THAT INCORPORATE THE EFFECTS OF EITHER ONE OR TWO LAYERS OF 5/8" GYPSUM BOARD BETWEEN FASTENER HEAD AND CONNECTING STEEL MATERIAL.
5. IN ORDER TO USE THE VALUES IN TABLES 1, 2, AND 3, THE ATTACHMENTS SHALL BE DETAILED IN SUCH A WAY AS TO AVOID PRYING AND THE STUDS MUST BE STABILIZED WITH FULL-DEPTH BLOCKING WITH CONTINUOUS STRAPS ALONG THE FLANGES OR WITH BACKING BARS.
6. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHOULD NOT BE LESS THAN 3 EXPOSED THREADS.
7. STEEL THICKNESSES JOINED ARE ASSUMED TO BE THE SAME. IF DISSIMILAR THICKNESSES ARE BEING CONNECTED, THE VALUE FOR THE THINNER PART JOINED SHALL BE USED.
8. THE MINIMUM SPACING BETWEEN CENTERS OF FASTENERS SHALL NOT BE LESS THAN 3 X FASTENER DIAMETER. THE MINIMUM EDGE DISTANCE FROM THE CENTER OF A FASTENER TO THE EDGE OF ANY PART SHALL NOT BE LESS THAN 1.5 X FASTENER DIAMETER. WHERE THE END DISTANCE IS PARALLEL TO THE FORCE ON THE FASTENER, THE NOMINAL SHEAR STRENGTH SHALL BE LIMITED BY SECTION E4.3.2 OF THE AISI S100-07/S2-10.
9. GALVANIZED METAL STUDS, TRACK AND SHEET STEEL SHALL CONFORM TO ASTM A653-09a MATERIAL (OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN THE AISI S100-07/S2-10, SECTION A2.1) WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GA) AND LIGHTER, AND MINIMUM YIELD STRENGTH OF 50 KSI FOR 54 MIL (16 GA) & HEAVIER.
10. WHERE VALUES ARE NOT GIVEN, SUCH COMBINATIONS OF SCREW SIZES & MATERIAL THICKNESS ARE NOT RECOMMENDED.
11. IF THE ATTACHMENT DETAILS RESULT IN PRYING WITH A MOMENT ARM NOT TO EXCEED 1 5/8", THE VALUES IN TABLE 4 MAY BE USED. IF THE ATTACHMENT DETAILS RESULT IN PRYING WITH A MOMENT ARM THAT EXCEEDS 1 5/8", THE REREGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THE PROJECT SHALL DETERMINE THE ALLOWABLE VALUES AND SUBMIT SUBSTANTIATION FOR THEM TO OSHPD FOR REVIEW.
12. INTERACTION OF SHEAR AND TENSION SHALL BE BASED ON $T/T_{ALL} + V/V_{ALL} \leq 1.0$.
13. REFER TO NOTE 6A ON ST0.00 FOR ADDITIONAL SHEET METAL SCREW REQUIREMENTS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: SHEET METAL SCREW GENERAL NOTES
OPD NO.: ST1.06

REVIEWED FOR CODE COMPLIANCE OSHPD OPD-0001-13 BY: M. R. Karim DATE: 05/11/2017 CALIFORNIA BUILDING CODE, 2013

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAi No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - WALL DETAILS, ST0.00 - ST1.06

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.01
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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6/20/2024 4:58:28 PM

0 5' 50' | 0 5' 25' | 0 1' 12' | 0 1' 6' 4' | 0 1' 3' | 0 2' | 0 1'

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

PLOT DATE: May 09, 2017

SHEET METAL SCREW (SMS) ALLOWABLE STRENGTHS

TABLE 1
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS.

F_y (KSI)	MIL (STEEL GA)	FASTENER SIZE NO. 14 0.250 IN SHEAR (LB)	NO. 14 TENSION (LB)	NO. 12 0.216 IN SHEAR (LB)	NO. 12 TENSION (LB)	NO. 10 0.190 IN SHEAR (LB)	NO. 10 TENSION (LB)	NO. 8 0.164 IN SHEAR (LB)	NO. 8 TENSION (LB)	NO. 6 0.138 IN SHEAR (LB)	NO. 6 TENSION (LB)
50	97 (12)	704	275	525	205						
	68 (14)	704	275	525	205	405	159				
	54 (16)	613	261	525	205	405	159	303	118		
33	43 (18)	304	144	280	124	263	109	244	94	165	79
	33 (20)					177	84	164	72	151	61

NOTES:
1. SEE GENERAL NOTES ON ST1.06 FOR MORE INFORMATION.
2. WHERE ONE OR TWO LAYERS OF GYP BOARD OCCURS BETWEEN STEEL SURFACES, THE ALLOWABLE VALUES OF TABLE 2 & 3 SHALL BE USED.
3. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. THE RDP IN RESPONSIBLE CHARGE OF THE PROJECT SHALL PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

TABLE 2 – NON-PRYING CONDITION
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS WITH ONE LAYER OF 5/8" GYP BOARD BETWEEN STEEL SURFACES.

F_y (KSI)	MIL (STEEL GA)	FASTENER SIZE NO. 14 0.250 IN SHEAR (LB)	NO. 14 TENSION (LB)	NO. 12 0.216 IN SHEAR (LB)	NO. 12 TENSION (LB)	NO. 10 0.190 IN SHEAR (LB)	NO. 10 TENSION (LB)	NO. 8 0.164 IN SHEAR (LB)	NO. 8 TENSION (LB)	NO. 6 0.138 IN SHEAR (LB)	NO. 6 TENSION (LB)
50	97 (12)	226	275	180	205						
	68 (14)	226	275	180	205	140	159				
	54 (16)	226	261	180	205	140	159	120	118		
33	43 (18)	226	144	180	124	140	109	120	94	60	79
	33 (20)					100	84	80	72	60	61

NOTES:
1. SEE GENERAL NOTES ON ST1.06 FOR MORE INFORMATION.
2. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. RDP IN RESPONSIBLE CHARGE TO PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: SHEET METAL SCREW ALLOWABLE STRENGTHS — OPD NO.: ST1.07

PLOT DATE: May 09, 2017

SHEET METAL SCREW (SMS) ALLOWABLE STRENGTHS (CONTINUED)

TABLE 3 – NON-PRYING CONDITION
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS WITH TWO LAYERS OF 5/8" GYP BOARD BETWEEN STEEL SURFACES.

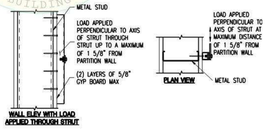
F_y (KSI)	MIL (STEEL GA)	FASTENER SIZE NO. 14 0.250 IN SHEAR (LB)	NO. 14 TENSION (LB)	NO. 12 0.216 IN SHEAR (LB)	NO. 12 TENSION (LB)	NO. 10 0.190 IN SHEAR (LB)	NO. 10 TENSION (LB)	NO. 8 0.164 IN SHEAR (LB)	NO. 8 TENSION (LB)	NO. 6 0.138 IN SHEAR (LB)	NO. 6 TENSION (LB)
50	97 (12)	166	275	130	205						
	68 (14)	166	275	130	205	100	159	80	118		
	54 (16)	166	261	130	205	100	159	80	118		
33	43 (18)	166	144	130	124	100	109	80	94	50	79
	33 (20)					70	84	50	72	40	61

NOTES:
1. SEE GENERAL NOTES ON ST1.06 FOR MORE INFORMATION.
2. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. RDP IN RESPONSIBLE CHARGE TO PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USE

TABLE 4 – PRYING CONDITION (SEE DETAILS BELOW – STRUT CAN BE HORIZONTAL OR VERTICAL)
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS WITH ONE OR TWO LAYERS OF 5/8" GYP BOARD BETWEEN STEEL SURFACES AND MAXIMUM PRYING MOMENT ARM OF 1 5/8".

F_y (KSI)	MIL (STEEL GA)	FASTENER SIZE NO. 14 0.250 IN SHEAR (LB)	NO. 14 TENSION (LB)	NO. 12 0.216 IN SHEAR (LB)	NO. 12 TENSION (LB)	NO. 10 0.190 IN SHEAR (LB)	NO. 10 TENSION (LB)	NO. 8 0.164 IN SHEAR (LB)	NO. 8 TENSION (LB)	NO. 6 0.138 IN SHEAR (LB)	NO. 6 TENSION (LB)
50	97 (12)	40	275	30	205						
	68 (14)	40	275	30	205	25	159				
	54 (16)	40	261	30	205	25	159	20	118		
33	43 (18)	40	144	30	124	25	109	20	94	10	79
	33 (20)					15	84	15	72	10	61

NOTES:
1. SEE GENERAL NOTES ON ST1.06 FOR MORE INFORMATION.
2. THE ALLOWABLE STRENGTH VALUES LISTED IN TABLE 4 ARE BASED UPON A LIMITED TEST ASSEMBLY WHERE THE ORIGIN AND DIRECTION OF THE LOAD RESULTS IN PRYING UPON THE FASTENER. THE MAGNITUDE OF THIS PRYING EFFECT SHALL BE LIMITED TO A MOMENT AR OF 1 5/8" FROM THE FASTENER.

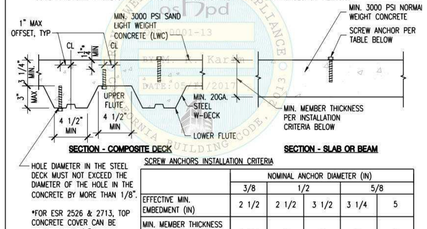


SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: SHEET METAL SCREW ALLOWABLE STRENGTHS (CONTINUED) — OPD NO.: ST1.0

PLOT DATE: May 09, 2017

SCREW ANCHOR GENERAL NOTES

1. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
2. ALLOWABLE STRENGTHS ARE FOR SINGLE ANCHORS WHICH MEET MIN. REQUIREMENTS PER TABLE & SECTION BELOW.
3. MINIMUM CONCRETE STRENGTH f'c=3000 PSI.
4. STEEL DECK TO BE MIN. 20 GA. W-DECK.
5. MINIMUM CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK PER SECTION AND INSTALLATION CRITERIA BELOW.
6. SCREW ANCHORS SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO ANCHOR INSTALLATION.
7. SCREW ANCHOR INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. SCREW ANCHORS SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT.
8. SCREW ANCHORS SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORT OR REPORT FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD.
9. TESTING OF SCREW ANCHORS SHALL BE PER 2013 CBC SECTION 1913A.7.
10. SCREW ANCHORS SHALL BE INSTALLED TO COMPLY W/ THE MINIMUM SLAB THICKNESS REQUIREMENTS ESTABLISHED BY THE ICC-ESR FOR THE SPECIFIED ANCHOR.
11. REFER TO NOTE 6C ON ST0.01 FOR ADDITIONAL SCREW ANCHOR REQUIREMENTS.
12. ALL VALUES IN TABLES ARE FOR CRACKED CONCRETE & INCLUDE REDUCTION BASED ON ACI 318-11 D3.3.4 REQUIREMENTS. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS CALCULATED USING THE ICC ESRS 2526, 2713 & 3027 AND USING AN α_N FACTOR OF 1.4.
13. USE OF SCREW ANCHOR SHALL BE LIMITED TO DRY INTERIOR CONDITIONS. REUSE OF SCREW ANCHOR OR SCREW ANCHOR HOLE SHALL NOT BE PERMITTED.
14. ALL VALUES IN TABLES REFLECT THE ALLOWABLE STRENGTHS WITH 20% ALLOWABLE STRESS INCREASE FOR LOAD COMBINATIONS WITH OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 SECTION 12.4.3.3.



HOLE DIAMETER IN THE STEEL DECK MUST NOT EXCEED THE DIAMETER OF THE HOLE IN THE CONCRETE BY MORE THAN 1/8".

*FOR ESR 2526 & 2713, TOP CONCRETE COVER CAN BE REDUCED TO 3/4".

SCREW ANCHORS INSTALLATION CRITERIA

	NOMINAL ANCHOR DIAMETER (IN) 3/8	1/2		5/8	
EFFECTIVE MIN. EMBEDMENT (IN)	2 1/2	2 1/2	3 1/2	3 1/4	5
MIN. MEMBER THICKNESS NWC SLAB OR BEAM ONLY (IN)	4 1/4	5	6	6	7
MIN. ANCHOR SPACING (IN)	3	3 1/2	3	5	4
MIN. EDGE DISTANCE (IN)	3 3/4	3 3/4	5 1/4	4 7/8	7 1/2

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: SCREW ANCHOR GENERAL NOTES — OPD NO.: ST1.0

PLOT DATE: May 09, 2017

SCREW ANCHOR ALLOWABLE STRENGTHS

TABLE 1
SCREW ANCHORS INSTALLED IN THE UNDERSIDE OF STRUCTURAL SAND-LIGHT WEIGHT CONCRETE (f'c MIN=3000 PSI) OVER METAL DECK

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2 1/2	465	364
1/2	2 1/2	496	343

TABLE 2
SCREW ANCHORS INSTALLED IN TO THE TOP OF STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'c MIN=3000 PSI) OVER METAL DECK

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2 1/2	571	283
1/2	2 1/2	628	371

TABLE 3
SCREW ANCHORS INSTALLED IN NORMAL WEIGHT CONCRETE (f'c MIN=3000 PSI)

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2 1/2	951	497
1/2	2 1/2	1047	618
1/2	3 1/2	2013	1153
5/8	3 1/4	1756	1412
5/8	5	3463	1637

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: SCREW ANCHOR DESIGN ALLOWABLE STRENGTHS — OPD NO.: ST1.1

PLOT DATE: May 09, 2017

POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL B-DECK)

1. POWER ACTUATED FASTENER (PAF), POWER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF).
2. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
3. ALLOWABLE STRENGTHS ARE FOR A SINGLE FASTENER WHICH MEET REQUIREMENTS PER SECTION BELOW AND TABLES ON ST1.12. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN ICC ESRS 2024, 2138, & 2269.
4. MINIMUM CONCRETE STRENGTH f'c = 3000 PSI FOR NORMAL WEIGHT CONCRETE AND f'c = 3000 PSI FOR ALL LIGHT WEIGHT CONCRETE UNLESS NOTED OTHERWISE.
5. POWER ACTUATED FASTENER INSTALLED THROUGH LOW FLUTES OF THE METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLTION CRITERIA AND SECTION BELOW.
6. MINIMUM EDGE DISTANCE OF ¾" FROM THE EDGE OF METAL DECK WEB AND 4" FROM THE EDGE OF THE DECK.
7. STEEL DECK TO BE A MINIMUM OF 20 GA. B-DECK.
8. CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK MUST BE A MINIMUM OF 2½" AT NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE COMPOSITE METAL DECK.
9. PAF SHALL NOT BE USED TO RESIST SEISMIC SHEAR FORCES EXCEPT AT INTERIOR NON-LOAD BEARING, NON-SHEAR WALL PARTITION WALLS (AS PERMITTED BY 2013 CBC 1908A.1.1) AND COMPONENTS EXEMPT FROM CONSTRUCTION DOCUMENT REVIEW BY 2013 CBC SECTION 1616A.1.18 (NOT PERMITTED TO TAKE SEISMIC SHEAR BY ICC-ES AC70 FOR ANY OTHER CONDITIONS). PAF SHALL NOT BE USED TO CARRY SEISMIC TENSION LOADS (EXCEPT FOR VERTICAL SEISMIC LOAD PRODUCED BY SELF WEIGHT OF THE COMPONENTS) OR IN CRACKED CONCRETE UNLESS APPROVED FOR SUCH LOADING BY OSHPD.
10. PAF SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO FASTENER INSTALLATION.
11. PAF INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING CONCRETE REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. PAF SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT. THIS MAY REQUIRE NON-DESTRUCTIVE TESTING.
12. PAF SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD).
13. TESTING OF PAF SHALL BE PER 2013 CBC SECTION 1913A.7. MINIMUM CONCRETE SUBSTRATE THICKNESS IS THREE TIMES THE PAF PENETRATION INTO THE CONCRETE SUBSTRATE.
14. TESTING IS NOT REQUIRED OF PAF USED TO ATTACH TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY WHERE THERE ARE AT LEAST THREE FASTENERS.
15. TOTAL ALLOWABLE LOADS IN TENSION, SHEAR OR TENSION SHEAR COMBINATIONS SHALL NOT EXCEED 90 LBS AS PERMITTED BY EXCEPTION TO THE ASCE 7-10 SECTION 13.4.5.
16. REFER TO NOTE 6d ON ST0.01 FOR ADDITIONAL PAF REQUIREMENTS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL B DECK — OPD NO.: ST1.11

PLOT DATE: May 09, 2017

POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN CONCRETE FILLED B-DECK)

TABLE 1
POWER ACTUATED FASTENER INSTALLED TO THE UNDERSIDE OF NORMAL WEIGHT OR SAND-LIGHTWEIGHT CONCRETE THROUGH B-DECK (f'c MIN = 3000 PSI)

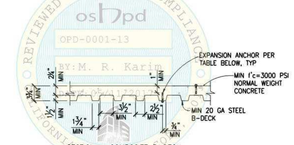
NOMINAL SHANK DIAMETER (IN)	MIN. EMBED (IN)	MIN. SPACING (IN)	MIN. EDGE DISTANCE (IN)	TENSION (LB) SEE NOTE 15	SHEAR (LB) (SEE NOTE 15)
0.157 MIN	1"	4"	4"	90	90

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN CONC FILLED METAL B DECK — OPD NO.: ST1.12

PLOT DATE: May 09, 2017

EXPANSION ANCHOR GENERAL NOTES

1. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
2. ALLOWABLE STRENGTHS SHOWN IN TABLES ON ST1.14 ARE FOR SINGLE ANCHORS WHICH MEET MIN. REQUIREMENTS PER TABLE AND SECTION BELOW.
3. MINIMUM CONCRETE STRENGTH f'c = 3000 PSI.
4. EXPANSION ANCHORS INSTALLED THROUGH LOWER FLUTES OF METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTION BELOW.
5. STEEL DECK TO BE MIN 20 GA. B-DECK.
6. MINIMUM CONCRETE FILL DEPTH ABOVE THE TOP OF THE METAL DECK PER SECTION AND INSTALLATION CRITERIA BELOW.
7. EXPANSION ANCHORS SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO ANCHOR INSTALLATION.
8. EXPANSION ANCHOR INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING REINFORCEMENT. SHOULD THIS OCCUR, THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. EXPANSION ANCHORS SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT.
9. EXPANSION ANCHORS SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORT OR REPORT FROM OTHER TESTING AGENCY ACCEPTABLE TO OSHPD.
10. TESTING OF EXPANSION ANCHORS SHALL BE PER 2013 CBC SECTION 1913A.7.
11. REFER TO NOTE 6c ON ST0.01 FOR ADDITIONAL EXPANSION ANCHOR REQUIREMENTS.
12. ALL VALUES IN TABLES ARE FOR CRACKED CONCRETE & INCLUDE REDUCTION BASED ON ACI 318-11 D.3.3.4.3 REQUIREMENTS. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS CALCULATED USING THE ICC ESRS 1917 AND 2502 AND USING AN α_N FACTOR OF 1.4.
13. ALL VALUES IN TABLES ARE FOR CRACKED CONCRETE & INCLUDE REDUCTION BASED ON ACI 318-11 D.3.3.4.3 REQUIREMENTS. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS CALCULATED USING THE ICC ESRS 1917 AND 2502 AND USING AN α_N FACTOR OF 1.4.
14. ALL VALUES IN TABLE REFLECT ALLOWABLE STRENGTHS WITH 20% ALLOWABLE STRESS INCREASE FOR LOAD COMBINATIONS WITH OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 SECTION 12.4.3.3.



	ANCHOR DIAMETER	EFFECTIVE EMBEDMENT	MIN EDGE DISTANCE	MIN SPACING
UNDERSIDE INSTALLATION **	⅜"	2"	6"	6¾"
	½"	2"	7"	6¾"

** UNDERSIDE APPLICATION ONLY.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: EXPANSION ANCHOR GENERAL NOTES INSTALLED IN CONCRETE FILLED METAL B DECK — OPD NO.: ST1.13

PLOT DATE: May 09, 2017

EXPANSION ANCHOR ALLOWABLE STRENGTHS INTO B-DECK

TABLE 1
EXPANSION ANCHORS INSTALLED INTO THE UNDERSIDE OF NORMAL WEIGHT CONCRETE THROUGH B-DECK (f'c MIN = 3000 PSI)

ANCHOR DIAMETER (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
⅜"	2	997	522
½"	2	1440	600

** UNDERSIDE APPLICATION ONLY. SEE NOTE ON ST1.13.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: EXPANSION ANCHOR ALLOWABLE STRENGTHS INSTALLED IN CONCRETE FILLED METAL B DECK — OPD NO.: ST1.14

PLOT DATE: May 09, 2017

TYPICAL PARTITION WALL CONDITIONS

CONDITION 'A' – PARTITION WALL WITHOUT ATTACHMENTS. SEE DETAIL ST2.02

CONDITION 'B' – PARTITION WALL SUPPORTING CABINETS OR EQUIPMENT ON ONE SIDE OR BOTH SIDES OF THE WALL DISTRIBUTING UP TO 50 LB TOTAL VERTICAL LOAD PER STUD (37 PLF). REFER TO GENERAL NOTE 7C ON ST0.01. CENTER OF GRAVITY LESS THAN 6" FROM THE FACE OF THE STUD. SEE DETAIL ST2.03.

CONDITION 'C' – PARTITION WALL SUPPORTING OVERHEAD AND/OR BASE CABINETS OR EQUIPMENT ON ONE SIDE OR BOTH SIDES OF THE WALL, DISTRIBUTING UP TO 152 LB TOTAL VERTICAL LOAD PER STUD (114 PLF). REFER TO GENERAL NOTE 7C ON ST0.01. CENTER OF GRAVITY WITHIN 6" OF FACE OF THE STUD. SEE DETAIL ST2.04.

CONDITION 'D' – PARTITION WALL SUPPORTING FULL HEIGHT CABINETS OR EQUIPMENT ON ONE SIDE OR BOTH SIDES OF THE WALL, DISTRIBUTING UP TO 380 LB TOTAL VERTICAL LOAD PER STUD (285 PLF). REFER TO GENERAL NOTE 7C ON ST0.01. CENTER OF GRAVITY WITHIN 6" OF FACE OF THE STUD. SEE DETAIL ST2.04.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TYPICAL PARTITION WALL CONDITIONS — OPD NO.: ST2.00

PLOT DATE: May 09, 2017

PARTITION WALL SCHEDULES

SCHEDULE 1: MINIMUM PARTITION WALL STUD SIZE (PARTITION CONDITION 'A')

S_{DL}	WALL HEIGHT 9 FT	12 FT		16 FT	
0.25–0.99	3625137-33	3625137-33	3625137-43	4005137-43	6005137-43
1.00–1.25	3625137-33	3625137-33	3625137-43	4005137-43	6005137-43
1.26–1.45	3625137-33	3625137-33	3625137-43	4005137-43	6005137-43
1.46–1.95	3625137-33	3625137-33	3625137-54	4005137-54	6005137-43

SCHEDULE 2: MINIMUM PARTITION WALL STUD SIZE (PARTITION CONDITION 'B')

S_{DL}	WALL HEIGHT 9 FT	12 FT		16 FT		
0.25–0.99	3625137-33	3625137-43	4005137-43	3625137-54	4005137-43	6005137-43
1.00–1.25	3625137-33	3625137-43	4005137-43	NA	4005137-54	6005137-43
1.26–1.45	3625137-33	3625137-43	4005137-43	NA	4005137-54	6005137-43
1.46–1.95	3625137-33	3625137-54	4005137-43	NA	4005137-54	6005137-43

SCHEDULE 3: MINIMUM PARTITION WALL STUD SIZE (PARTITION CONDITION 'C')

S_{DL}	WALL HEIGHT 9 FT	12 FT		16 FT		
0.25–0.99	3625137-43	4005137-54	3625137-54	4005137-43	6005137-43	6005137-43
1.00–1.25	3625137-43	4005137-54	3625137-54	4005137-54	6005137-43	6005137-43
1.26–1.45	3625137-43	4005137-54	NA	4005137-54	6005137-54	6005137-54
1.46–1.95	3625137-54	4005137-54	NA	NA	6005137-54	6005137-54

SCHEDULE 4: MINIMUM PARTITION WALL STUD SIZE (PARTITION CONDITION 'D')

S_{DL}	WALL HEIGHT 9 FT	12 FT		16 FT		
0.25–0.99	3625137-33	4005137-43	6005137-43	3625137-43	4005137-43	6005137-43
1.00–1.25	3625137-43	4005137-43	6005137-43	NA	4005137-54	6005137-43
1.26–1.45	3625137-43	4005137-43	6005137-43	NA	4005137-54	6005137-54
1.46–1.95	NA	4005137-54	6005137-54	NA	NA	6005137-54

NOTES:
1. PARTITION WALL STUDS ARE SPACED @ 16" O.C. TYPICAL UNLESS NOTED OTHERWISE.
2. SEE ST2.06 FOR PARTITION WALL ELEVATION & ADDITIONAL INFORMATION.
3. SEE ST2.00 FOR DEFINITION OF PARTITION WALL CONDITIONS.
4. SEE ST1.00 FOR METAL STUD PROFILES.
5. 3625137-33 IS A 3 5/8" WIDE SSMA STUD WITH 1 3/8" WIDE FLANGE THAT IS 33 MIL THICK.
6. STUDS SHOWN IN THE TABLES ABOVE CAN BE REPLACED BY EQUIVALENT STUDS WITH EQUAL OR HIGHER AREA (A), SECTION MODULUS (S_x, S_y) AND MOMENT OF INERTIA (I_x, I_y) PROVIDED MATERIALS CONFORM TO THE SAME ASTM STANDARD WITH EQUAL OR HIGHER YIELD STRENGTH (f_y) AND ULTIMATE STRENGTH (f_u) WHEN APPROVED.
7. PARTITION WALLS TO HAVE LATERAL BRACING @ 48" O.C. PER ST4.00 OR ST4.01, FOR FULL HT OF PARTITION WALL. LATERAL BRACING IS NOT REQUIRED WHERE GYP BOARD IS INSTALLED ON BOTH SIDES OF PARTITION WALL.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTITION WALL SCHEDULES — OPD NO.: ST2.01

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEVIN L. YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - WALL DETAILS, ST1.07 - ST2.01

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.02
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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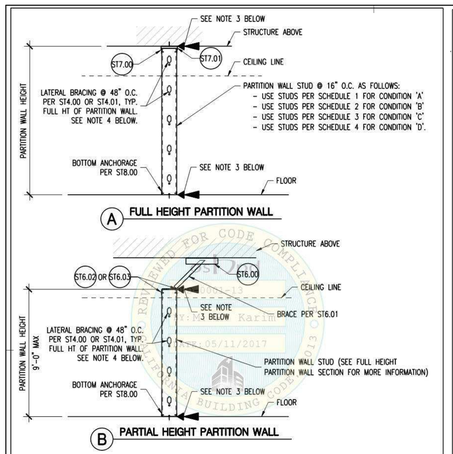
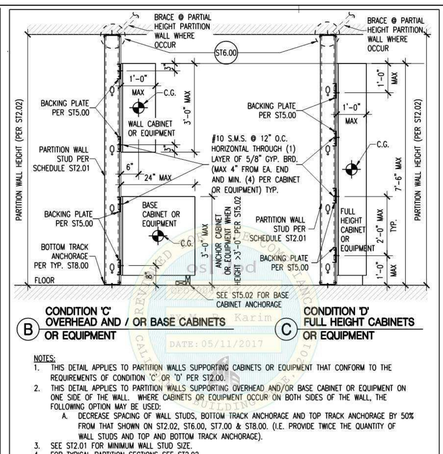
GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"



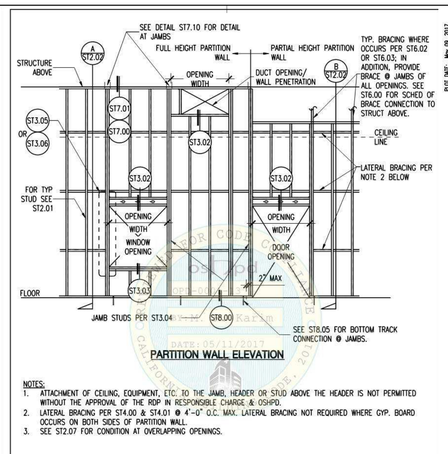
NOTES:
1. PARTITION WALL SCHEDULES PER ST2.01.
2. SEE ST2.00 FOR DEFINITION OF PARTITION WALL CONDITIONS.
3. SEE ST6.11 FOR TOP & BOTTOM CONNECTION DEMANDS.
4. LATERAL BRACING IS NOT REQUIRED WHERE GYP. BOARD IS INSTALLED ON BOTH SIDES OF PARTITION WALL.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TYPICAL PARTITION WALL SECTIONS
OPD NO.: ST2.02



NOTES:
1. THIS DETAIL APPLIES TO PARTITION WALLS SUPPORTING CABINETS OR EQUIPMENT THAT CONFORM TO THE REQUIREMENTS OF CONDITION 'C' OR 'D' PER ST2.00.
2. THIS DETAIL APPLIES TO PARTITION WALLS SUPPORTING OVERHEAD AND/OR BASE CABINET OR EQUIPMENT ON ONE SIDE OF THE WALL. WHERE CABINETS OR EQUIPMENT OCCUR ON BOTH SIDES OF THE WALL, THE FOLLOWING OPTION MAY BE USED:
   A. DECREASE SPACING OF WALL STUDS, BOTTOM TRACK ANCHORAGE AND TOP TRACK ANCHORAGE BY 50% FROM THAT SHOWN ON ST2.02, ST6.00, ST7.00 & ST8.00. (I.E. PROVIDE TWICE THE QUANTITY OF WALL STUDS AND TOP AND BOTTOM TRACK ANCHORAGE).
3. SEE ST2.01 FOR MINIMUM WALL STUD SIZE.
4. FOR TYPICAL PARTITION SECTIONS SEE ST2.02.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: CABINET OR EQUIPMENT ANCHORAGE TO PARTITION WALL, CONDITIONS 'C' & 'D'
OPD NO.: ST2.04



PARTITION WALL ELEVATION

NOTES:
1. ATTACHMENT OF CEILING, EQUIPMENT, ETC. TO THE JAMB, HEADER OR STUD ABOVE THE HEADER IS NOT PERMITTED WITHOUT THE APPROVAL OF THE RDP IN RESPONSIBLE CHARGE & OSHPD.
2. LATERAL BRACING PER ST4.00 & ST4.01 @ 4'-0" O.C. MAX. LATERAL BRACING NOT REQUIRED WHERE GYP. BOARD OCCURS ON BOTH SIDES OF PARTITION WALL.
3. SEE ST2.07 FOR CONDITION AT OVERLAPPING OPENINGS.

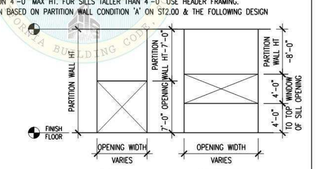
SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTITION WALL ELEVATION - FULL HEIGHT AND PARTIAL HEIGHT PARTITION WALLS
OPD NO.: ST2.06

PLOT DATE: May 09, 2017

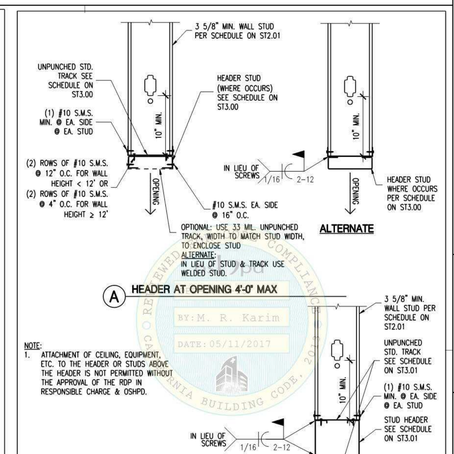
PARTITION WALL OPENING FRAMING SCHEDULE

OPENING WIDTH	ϕ	PARTITION WALL HT UP TO:	CONN. DETAIL	JAMBS (# OF STUD)-MIL 3 5/8" WALL	JAMBS (# OF STUD)-MIL 4" WALL	JAMBS (# OF STUD)-MIL 6" WALL	HEADER FRAMING	HEADER FIGURE	HEADER MIL	SILL (SEE NOTE 3) FRAMING	SILL (SEE NOTE 3) FIGURE	SILL (SEE NOTE 3) MIL
≤ 4'-0"	0.25-0.99	9'-0"	ST3.05-A OR ST3.05-B	(1)-33	(1)-33	(1)-33	(1)TRACK		SAME MIL AS WALL			
		12'-0"		(2)-33	(2)-33	(1)-54 OR (2)-33	(1)TRACK & (1) STUD	54		(1)TRACK		33 MIN.
		16'-0"		(2)-33	(2)-33	(2)-33						
	1.00-1.25	9'-0"	ST3.05-A OR ST3.05-B	(1)-33	(1)-33	(1)-33	(1)TRACK		SAME MIL AS WALL			
		12'-0"		(2)-33	(2)-33	(1)-54 OR (2)-33	(1)TRACK & (1) STUD	54		(1)TRACK		33 MIN.
		16'-0"		(2)-43	(2)-33	(2)-33						
	1.26-1.45	9'-0"	ST3.05-A OR ST3.05-B	(1)-33	(1)-33	(1)-33	(1)TRACK		SAME MIL AS WALL			
		12'-0"		(2)-33	(2)-33	(1)-54 OR (2)-33	(1)TRACK & (1) STUD	54		(1)TRACK		33 MIN.
		16'-0"		(2)-43	(2)-43	(2)-33						
	1.45-1.95	9'-0"	ST3.05-A OR ST3.05-B	(1)-43 OR (1)-33 (2)-33	(1)-43 OR (1)-33 (2)-33	(1)-33	(1)TRACK		SAME MIL AS WALL			
		12'-0"		(2)-33	(2)-33	(1)-54 OR (2)-33	(1)TRACK & (1) STUD	54		(1)TRACK		33 MIN.
		16'-0"		(2)-54	(2)-54	(2)-43						
				SEE DETAL: ST3.04			SEE DETAL: ST3.02			SEE DETAL: ST3.03		

NOTES:
1. SEE GENERAL NOTES ON ST0.00, ST0.01, & ST0.02 FOR LIGHT GAUGE STEEL REQUIREMENTS AND DETAIL ST1.00 FOR SECTION PROFILES.
2. STUDS SHALL MATCH WALL SIZES, I.E. 362S FOR 3 5/8" WALL, 400S FOR 4" WALL & 600S FOR 6" WALL.
3. SCHEDULE FOR SILL BASED ON 4'-0" MAX HT. FOR SILLS TALLER THAN 4'-0" USE HEADER FRAMING.
4. JAMB, HEADER & SILL DESIGN BASED ON PARTITION WALL CONDITION 'A' ON ST2.00 & THE FOLLOWING DESIGN ASSUMPTIONS:

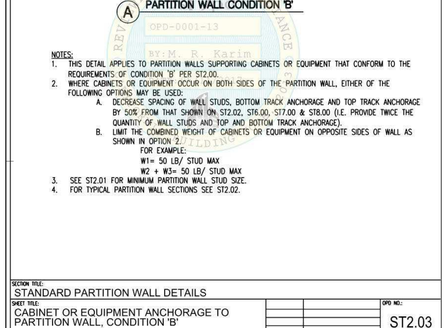


SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTITION WALL OPENING FRAMING SCHEDULE (4'-0" MAX OPENING WIDTH)
OPD NO.: ST3.00



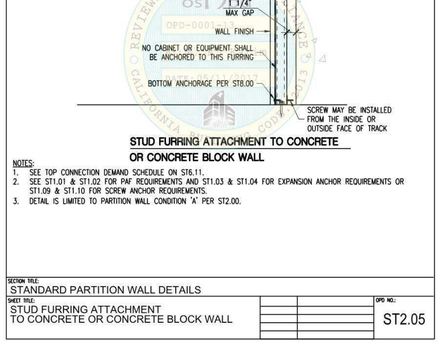
NOTE:
1. ATTACHMENT OF CEILING, EQUIPMENT, ETC. TO THE HEADER OR STUDS ABOVE THE HEADER IS NOT PERMITTED WITHOUT THE APPROVAL OF THE RDP IN RESPONSIBLE CHARGE & OSHPD.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: HEADER SECTION
OPD NO.: ST3.02



NOTES:
1. THIS DETAIL APPLIES TO PARTITION WALLS SUPPORTING CABINETS OR EQUIPMENT THAT CONFORM TO THE REQUIREMENTS OF CONDITION 'B' PER ST2.00.
2. WHERE CABINETS OR EQUIPMENT OCCUR ON BOTH SIDES OF THE PARTITION WALL, EITHER OF THE FOLLOWING OPTIONS MAY BE USED:
   A. DECREASE SPACING OF WALL STUDS, BOTTOM TRACK ANCHORAGE AND TOP TRACK ANCHORAGE BY 50% FROM THAT SHOWN ON ST2.02, ST6.00, ST7.00 & ST8.00 (I.E. PROVIDE TWICE THE QUANTITY OF WALL STUDS AND TOP AND BOTTOM TRACK ANCHORAGE).
   B. LIMIT THE COMBINED WEIGHT OF CABINETS OR EQUIPMENT ON OPPOSITE SIDES OF WALL AS SHOWN IN OPTION 2.
      FOR EXAMPLE:
      W1= 50 LB/ STUD MAX
      W2 + W3= 50 LB/ STUD MAX.
3. SEE ST2.01 FOR MINIMUM PARTITION WALL STUD SIZE.
4. FOR TYPICAL PARTITION WALL SECTIONS SEE ST2.02.

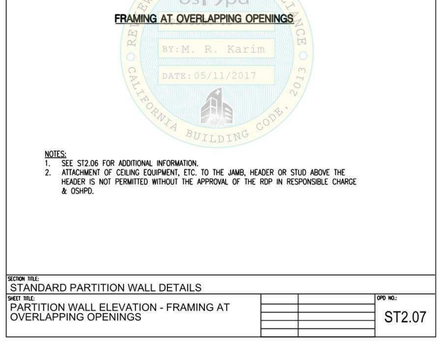
SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: CABINET OR EQUIPMENT ANCHORAGE TO PARTITION WALL, CONDITION 'B'
OPD NO.: ST2.03



STUD FURRING ATTACHMENT TO CONCRETE OR CONCRETE BLOCK WALL

NOTES:
1. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST1.01 & ST1.02 FOR PAF REQUIREMENTS AND ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS OR ST1.09 & ST1.10 FOR SCREW ANCHOR REQUIREMENTS.
3. DETAIL IS LIMITED TO PARTITION WALL CONDITION 'A' PER ST2.00.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: STUD FURRING ATTACHMENT TO CONCRETE OR CONCRETE BLOCK WALL
OPD NO.: ST2.05



FRAMING AT OVERLAPPING OPENINGS

NOTES:
1. SEE ST2.06 FOR ADDITIONAL INFORMATION.
2. ATTACHMENT OF CEILING EQUIPMENT, ETC. TO THE JAMB, HEADER OR STUD ABOVE THE HEADER IS NOT PERMITTED WITHOUT THE APPROVAL OF THE RDP IN RESPONSIBLE CHARGE & OSHPD.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTITION WALL ELEVATION - FRAMING AT OVERLAPPING OPENINGS
OPD NO.: ST2.07

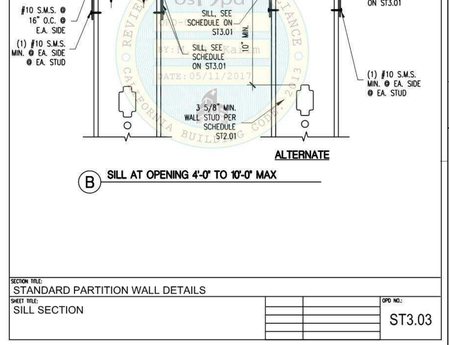
PLOT DATE: May 09, 2017

PARTITION WALL OPENING FRAMING SCHEDULE

OPENING WIDTH	ϕ	PARTITION WALL HT UP TO:	CONN. DETAIL	JAMBS (# OF STUD)-MIL 3 5/8" WALL	JAMBS (# OF STUD)-MIL 4" WALL	JAMBS (# OF STUD)-MIL 6" WALL	HEADER FRAMING	HEADER FIGURE	HEADER MIL	SILL (SEE NOTE 3) FRAMING	SILL (SEE NOTE 3) FIGURE	SILL (SEE NOTE 3) MIL
>4'-0" TO ≤10'-0"	0.25-0.99	9'-0"	ST3.06-C ST3.06-D OR ST3.06-E	(1)-54 OR (2)-33	(1)-54 OR (2)-33	(1)-43 OR (2)-33	(2)TRACK & (2) STUD	60 54		(1)TRACK &(1)STUD		43 MIN.
		12'-0"		(2)-33	(2)-33	(2)-33						
		16'-0"		(2)-54	(2)-54	(2)-43						
	1.00-1.25	9'-0"	ST3.06-C ST3.06-D OR ST3.06-E	(1)-54 OR (2)-33	(1)-54 OR (2)-43 OR (3)-33	(1)-43 OR (2)-33 (3)-33	(2)TRACK & (2) STUD	60 54		(1)TRACK &(1)STUD		43 MIN.
		16'-0"		(3)-54	(2)-43 OR (3)-33	(2)-43						
	1.26-1.45	9'-0"	ST3.06-C ST3.06-D OR ST3.06-E	(1)-54 OR (2)-33	(1)-54 OR (2)-43 OR (3)-33	(1)-43 OR (2)-33 (3)-33	(2)TRACK & (2) STUD	60 54		(1)TRACK &(1)STUD		43 MIN.
		12'-0"		(2)-43 OR (3)-33	(2)-43 OR (3)-33	(2)-33						
		16'-0"		(3)-54	(3)-54	(2)-43						
	1.45-1.95	9'-0"	ST3.06-C ST3.06-D OR ST3.06-E	(2)-33	(2)-33	(1)-54 OR (2)-33	(2)TRACK & (2) STUD	60 54		(1)TRACK &(1)STUD		43 MIN.
		12'-0"		(2)-43 OR (3)-33	(2)-43 OR (3)-33	(2)-33						
		16'-0"		(3)-54	(3)-54	(2)-43						
				SEE DETAIL: ST3.04			SEE DETAIL: ST3.02			SEE DETAIL: ST3.03		

NOTES:
1. SEE GENERAL NOTES ON ST0.00, ST0.01 & ST0.02 FOR LIGHT GAUGE STEEL REQUIREMENTS AND DETAIL ST1.00 FOR SECTION PROFILES.
2. STUDS SHALL MATCH WALL SIZES, I.E. 362S FOR 3 5/8" WALL, 400S FOR 4" WALL & 600S FOR 6" WALL.
3. SCHEDULE FOR SILL BASED ON 4'-0" MAX HT. FOR SILLS TALLER THAN 4'-0" USE HEADER FRAMING.
4. SEE ST3.00 FOR DESIGN ASSUMPTIONS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: WALL OPENING FRAMING SCHEDULE (OPENING WIDTH 4'-0" TO 10'-0" MAX)
OPD NO.: ST3.01



SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: SILL SECTION
OPD NO.: ST3.03

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Sheet Title: OPD - WALL DETAILS, ST2.02 - ST3.03

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.03
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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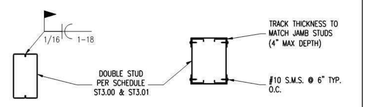
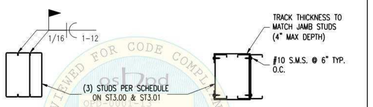
PLOT DATE: May 09, 2017



A DOUBLE JAMB STUD DETAIL

B DOUBLE JAMB STUD DETAIL (ALTERNATE)

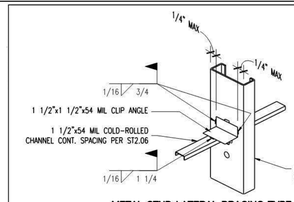


C TRIPLE JAMB STUD DETAIL

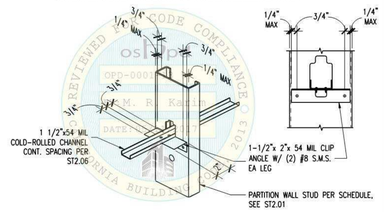
D TRIPLE JAMB STUD DETAIL (ALTERNATE)

NOTES:
1. WHERE (2) STUDS ARE INDICATED ON PLANS OR ELEVATIONS, USE DOUBLE STUD DETAIL A OR B ABOVE. WHERE (3) STUDS ARE INDICATED ON PLANS OR ELEVATIONS, USE TRIPLE STUD DETAIL C OR D ABOVE.
2. FOR STUD THICKNESSES, SEE SCHEDULE ON ST3.00 & ST3.01.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: JAMB STUD DETAILS — OPD NO.: ST3.04



METAL STUD LATERAL BRACING TYPE 1 - OPTION 1

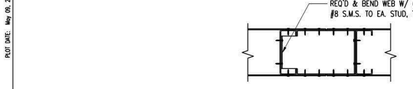


METAL STUD LATERAL BRACING TYPE 1 - OPTION 2

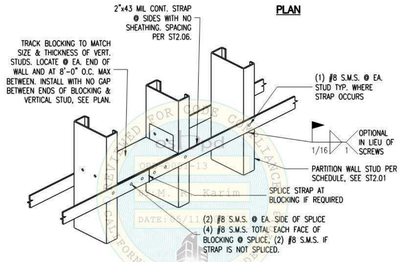
NOTES:
1. LATERAL BRACING IS NOT REQUIRED WHERE GYP. BOARD IS INSTALLED ON BOTH SIDES OF PARTITION WALL.
2. NOTCHING OR CUTTING OF COLD-ROLLED CHANNEL IS NOT PERMITTED FOR ANY CONDITION.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: METAL STUD LATERAL BRACING TYPE 1 — OPD NO.: ST4.00

PLOT DATE: May 09, 2017



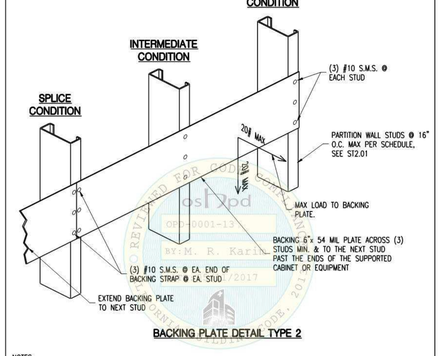
PLAN



METAL STUD LATERAL BRACING TYPE 2

NOTES:
1. LATERAL BRACING IS NOT REQUIRED WHERE GYP. BOARD IS INSTALLED ON BOTH SIDES OF PARTITION WALL.
2. NOTCHING OF BLOCKING OR STRAP IS NOT PERMITTED FOR ANY CONDITION.

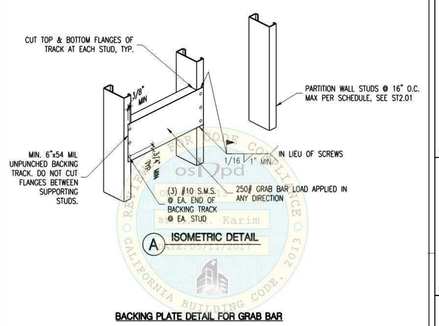
SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: METAL STUD LATERAL BRACING TYPE 2 — OPD NO.: ST4.01



BACKING PLATE DETAIL TYPE 2

NOTES:
1. THIS DETAIL MAY BE USED FOR ATTACHMENT OF CABINETS OR EQUIPMENT DISTRIBUTING LESS THAN 20# PER STUD (CENTER OF GRAVITY LESS THAN 6" FROM FACE OF STUD).
2. SEE ST5.00 FOR ALTERNATE WELDING OPTION.
3. NOTCHING OR CUTTING OF BACKING PLATE IS NOT PERMITTED.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BACKING PLATE DETAIL TYPE 2 — OPD NO.: ST5.01

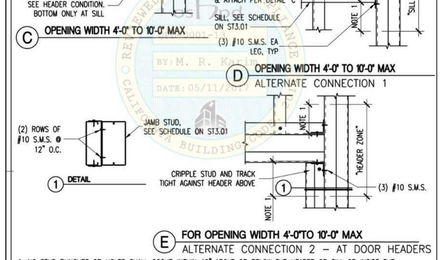


A ISOMETRIC DETAIL

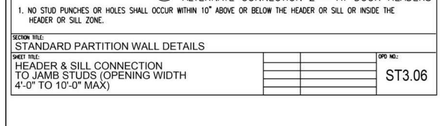
BACKING PLATE DETAIL FOR GRAB BAR

NOTES:
1. NOTCHING OR CUTTING OF BACKING PLATE IS NOT PERMITTED EXCEPT AS SHOWN.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BACKING PLATE DETAIL FOR GRAB BAR — OPD NO.: ST5.03



C OPENING WIDTH 4'-0" TO 10'-0" MAX



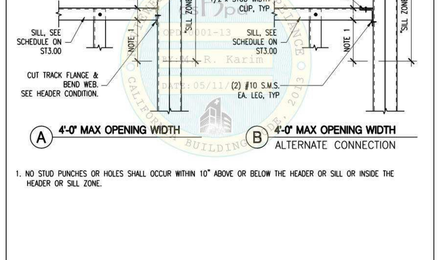
1 DETAIL

D OPENING WIDTH 4'-0" TO 10'-0" MAX
ALTERNATE CONNECTION 1

E FOR OPENING WIDTH 4'-0"TO 10'-0" MAX
ALTERNATE CONNECTION 2 – AT DOOR HEADERS

1. NO STUD PUNCHES OR HOLES SHALL OCCUR WITHIN 10" ABOVE OR BELOW THE HEADER OR SILL OR INSIDE THE HEADER OR SILL ZONE.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: HEADER & SILL CONNECTION TO JAMB STUDS (OPENING WIDTH 4'-0" TO 10'-0" MAX) — OPD NO.: ST3.06



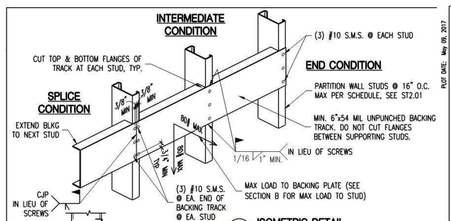
A 4'-0" MAX OPENING WIDTH

B 4'-0" MAX OPENING WIDTH
ALTERNATE CONNECTION

1. NO STUD PUNCHES OR HOLES SHALL OCCUR WITHIN 10" ABOVE OR BELOW THE HEADER OR SILL OR INSIDE THE HEADER OR SILL ZONE.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: HEADER & SILL CONNECTION TO JAMB STUDS (4'-0" MAX OPENING WIDTH) — OPD NO.: ST3.05

PLOT DATE: May 09, 2017



A ISOMETRIC DETAIL

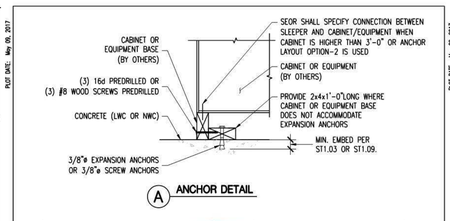
B SECTION

C PLAN DETAIL

BACKING PLATE DETAIL TYPE 1

NOTES:
1. BACKING, CONNECTION TO STUD, AND STUDS FOR CABINETS OR EQUIPMENT EXCEEDING THIS LIMIT SHALL BE DESIGNED AND DETAILED BY RDP IN RESPONSIBLE CHARGE.
2. ST5.01 MAY BE USED FOR ATTACHMENT OF CABINETS OR EQUIPMENT DISTRIBUTING LESS THAN 20# PER STUD (CENTER OF GRAVITY LESS THAN 6" FROM FACE OF STUD).
3. NOTCHING OR CUTTING OF BACKING PLATE IS NOT PERMITTED EXCEPT AS SHOWN.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BACKING PLATE DETAIL TYPE 1 — OPD NO.: ST5.00



A ANCHOR DETAIL

MIN. (2) ANCHORS PER CABINET OR EQUIPMENT UNIT

MIN. (4) ANCHORS PER CABINET OR EQUIPMENT UNIT

1 ANCHOR LAYOUT OPTION -1

2 ANCHOR LAYOUT OPTION - 2

NOTE:
1. SEE ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS, AND SEE ST1.09 & ST1.10 FOR SCREW ANCHOR REQUIREMENTS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BASE CABINET OR EQUIPMENT ANCHORAGE — OPD NO.: ST5.02

PLOT DATE: May 09, 2017

TOP CONNECTION CONDITIONS – PARTIAL HEIGHT PARTITION WALL

STRUCTURE ABOVE TOP TRACK	PARTIAL HEIGHT PARTITION WALL-BRACE TO STRUCTURE CONNECTION
LIGHT WEIGHT (MIN. 3000 PSI) CONCRETE FILLED METAL DECK	ST6.04
NORMAL WEIGHT (MIN. 3000 PSI) CONCRETE SLAB OR BEAM SOFFIT	ST6.05
~~CONCRETE TOP COAT ON METAL DECK SYSTEM~~	~~ST6.06~~
~~METAL ROOF DECK WITHOUT CONCRETE FILL~~	~~ST6.07~~
STEEL BEAM	ST6.08 & ST6.09
~~WOOD FRAMING~~	~~ST6.10~~

NOTES:
1. SEE ST6.02 & ST6.03 FOR TYPICAL DETAILS OF CEILING HEIGHT PARTITION WALLS WITH A TOP TRACK CONNECTION BRACED TO THE STRUCTURE ABOVE. SEE ST6.01 FOR BRACE SPACING, SIZE AND CONNECTION SCHEDULE.
2. SEE ST7.00 FOR FULL HEIGHT PARTITION WALLS.
3. FOR TOP & BOTTOM CONNECTION DEMAND SCHEDULE SEE ST6.11.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP CONNECTION CONDITIONS - PARTIAL HEIGHT PARTITION WALL — OPD NO.: ST6.00

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — REY YAMAUCHI — C-26566 — 02-28-2025 RENEWAL DATE — STATE OF CALIFORNIA

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THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAi No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - WALL DETAILS, ST3.04 - ST6.00

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UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.04
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" (0 5' 50') | 1/8" = 1'-0" (0 5' 25') | 1/4" = 1'-0" (0 1' 12') | 1/2" = 1'-0" (0 1' 6') | 3/4" = 1'-0" (0 4') | 1" = 1'-0" (0 1' 3') | 1 1/2" = 1'-0" (0 2') | 3" = 1'-0" (0 1')

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

PARTIAL HEIGHT PARTITION WALL BRACE SPACING, SIZE AND CONNECTION SCHEDULES

PARTITION WALL CONDITION 'A'
DETAIL ST6.02

S_{DS}	MAX BRACE SPACING (FT)	BRACE SIZE AND MIL						S.M.S. CONNECTIONS AT BRACE ENDS	
		SINGLE STUD BRACE			BACK TO BACK BRACE			BOTTOM OF BRACE (TO TOP TRACK)	TOP OF BRACE (AT CONNECTION TO STRUCTURE)
		3 5/8"	4"	6"	3 5/8"	4"	6"		
0.25~0.99	10	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(4) #10 S.M.S.	(4) #10 S.M.S.
1.00~1.25	9.33	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(5) #10 S.M.S. OR (4) #12 S.M.S.	(4) #10 S.M.S.
1.26~1.45	8.75	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(5) #10 S.M.S.	(4) #10 S.M.S.
1.46~1.95	7	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(5) #10 S.M.S.	(4) #10 S.M.S.

PARTITION WALL CONDITION 'B'
DETAIL ST6.02

S_{DS}	MAX BRACE SPACING (FT)	BRACE SIZE AND MIL						S.M.S. CONNECTIONS AT BRACE ENDS	
		SINGLE STUD BRACE			BACK TO BACK BRACE			BOTTOM OF BRACE (TO TOP TRACK)	TOP OF BRACE (AT CONNECTION TO STRUCTURE)
		3 5/8"	4"	6"	3 5/8"	4"	6"		
0.25~0.99	8	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(5) #10 S.M.S.	(4) #10 S.M.S.
1.00~1.25	7	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(6) #10 S.M.S. OR (5) #12 S.M.S.	(4) #10 S.M.S.
1.26~1.45	6.5	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(6) #10 S.M.S. OR (5) #12 S.M.S.	(4) #10 S.M.S.
1.46~1.95	5.33	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(6) #10 S.M.S.	(4) #10 S.M.S.

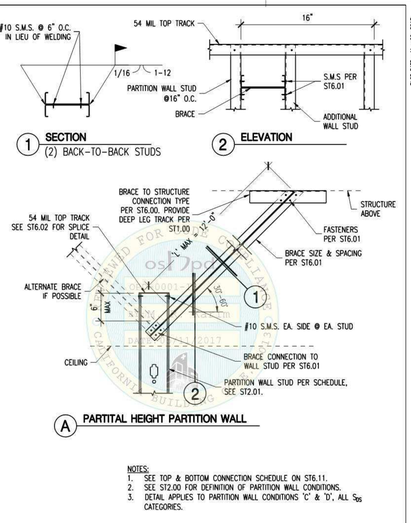
PARTITION WALL CONDITION 'C' AND 'D'
DETAIL ST6.03

S_{DS}	MAX BRACE SPACING (FT)	BRACE SIZE AND MIL			NUMBER OF S.M.S. AT TOP AND BOTTOM OF BRACE
		BACK TO BACK BRACE			
		3 5/8"	4"	6"	
0.25~0.99	6.67	(2)3625162-43	(2)4005162-43	(2)6005162-43	(8) #10 S.M.S.
1.00~1.25	6	(2)3625162-43	(2)4005162-43	(2)6005162-43	(8) #10 S.M.S.
1.26~1.45	5.5	(2)3625162-43	(2)4005162-43	(2)6005162-43	(8) #10 S.M.S.
1.46~1.95	3.33	(2)3625162-43	(2)4005162-43	(2)6005162-43	(8) #10 S.M.S.

NOTES:
1. THESE TABLES ARE BASED ON THE FOLLOWING DESIGN CRITERIA:
   A. DEMAND LOADS PER ST6.11.
   B. 9 FT MAX PARTITION WALL HEIGHT.
   C. MAX BRACE LENGTH PER ST6.02 OR ST6.03.
   D. LIMIT OF KL/r TO 200 WHERE,
      K=1.0, EFFECTIVE LENGTH FACTOR
      L=LENGTH OF BRACE PER ST6.02 AND ST6.03 (INCHES)
      r=MINIMUM RADIUS OF GYRATION OF STUD (INCHES)
2. ROP IN RESPONSIBLE CHARGE SHALL DESIGN FOR OTHER CONDITIONS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTIAL HEIGHT PARTITION WALL BRACE SPACING, SIZE AND CONNECTION SCHEDULES — OPD NO.: ST6.01

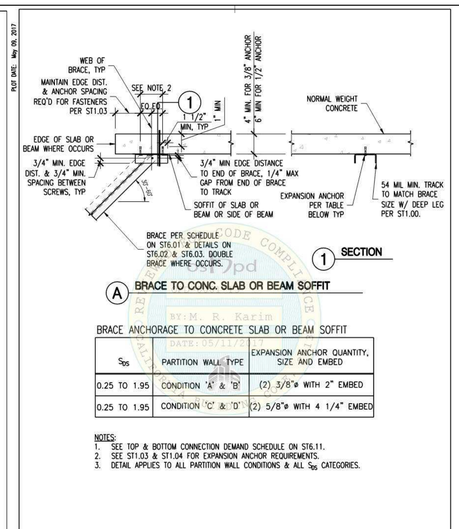
PLOT DATE: May 09, 2017



NOTES:
1. SEE TOP & BOTTOM CONNECTION SCHEDULE ON ST6.11.
2. SEE ST2.00 FOR DEFINITION OF PARTITION WALL CONDITIONS.
3. DETAIL APPLIES TO PARTITION WALL CONDITIONS 'C' & 'D', ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTIAL HEIGHT PARTITION WALL TOP BRACING - PARTITION WALL CONDITIONS 'C' & 'D' — OPD NO.: ST6.03

PLOT DATE: May 09, 2017



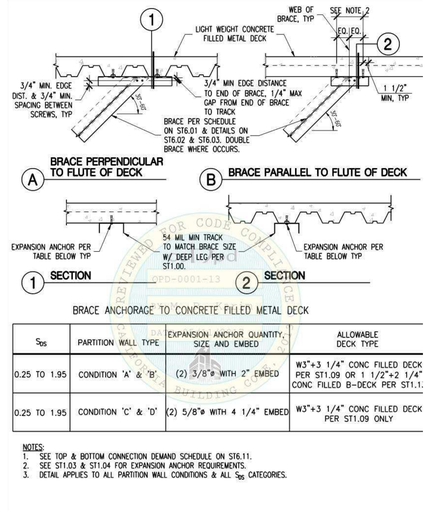
BRACE ANCHORAGE TO CONCRETE SLAB OR BEAM SOFFIT

S_{DS}	PARTITION WALL TYPE	EXPANSION ANCHOR QUANTITY, SIZE AND EMBED
0.25 TO 1.95	CONDITION 'A' & 'B'	(2) 3/8"ø WITH 2" EMBED
0.25 TO 1.95	CONDITION 'C' & 'D'	(2) 5/8"ø WITH 4 1/4" EMBED

NOTES:
1. SEE TOP & BOTTOM CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS.
3. DETAIL APPLIES TO ALL PARTITION WALL CONDITIONS & ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BRACE CONNECTION TO CONCRETE SLAB OR BEAM SOFFIT - ALL PARTITION WALL CONDITIONS — OPD NO.: ST6.05

PLOT DATE: May 09, 2017



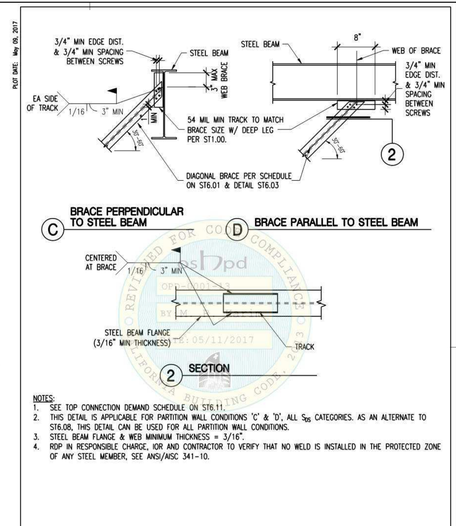
BRACE ANCHORAGE TO CONCRETE FILLED METAL DECK

S_{DS}	PARTITION WALL TYPE	EXPANSION ANCHOR QUANTITY, SIZE AND EMBED	ALLOWABLE DECK TYPE
0.25 TO 1.95	CONDITION 'A' & 'B'	(2) 3/8"ø WITH 2" EMBED	W3"+3 1/4" CONC FILLED DECK PER ST1.09 OR 1 1/2"+2 1/4" CONC FILLED B-DECK PER ST1.1
0.25 TO 1.95	CONDITION 'C' & 'D'	(2) 5/8"ø WITH 4 1/4" EMBED	W3"+3 1/4" CONC FILLED DECK PER ST1.09 ONLY

NOTES:
1. SEE TOP & BOTTOM CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS.
3. DETAIL APPLIES TO ALL PARTITION WALL CONDITIONS & ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BRACE CONNECTION TO CONCRETE FILLED METAL DECK - ALL PARTITION WALL CONDITIONS — OPD NO.: ST6.04

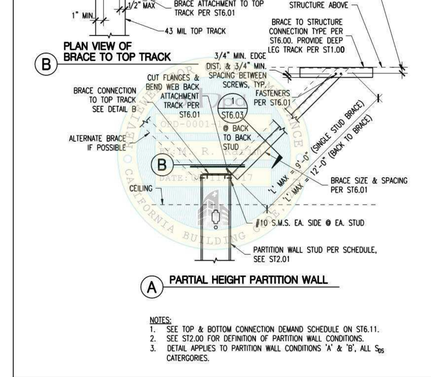
PLOT DATE: May 09, 2017



NOTES:
1. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
2. THIS DETAIL IS APPLICABLE FOR PARTITION WALL CONDITIONS 'C' & 'D', ALL S_{DS} CATEGORIES. AS AN ALTERNATE TO ST6.08, THIS DETAIL CAN BE USED FOR ALL PARTITION WALL CONDITIONS.
3. STEEL BEAM FLANGE & WEB MINIMUM THICKNESS = 3/16".
4. ROP IN RESPONSIBLE CHARGE, IOR AND CONTRACTOR TO VERIFY THAT NO WELD IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BRACE CONNECTION TO STEEL BEAM - PARTITION WALL CONDITIONS 'C' & 'D' — OPD NO.: ST6.09

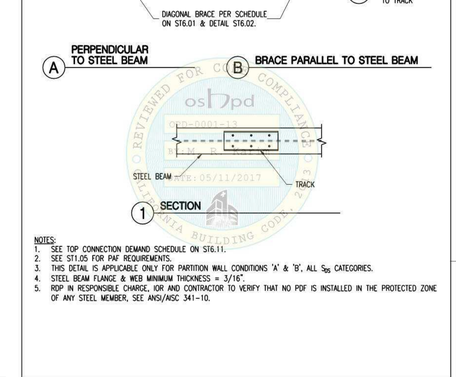
PLOT DATE: May 09, 2017



NOTES:
1. SEE TOP & BOTTOM CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST2.00 FOR DEFINITION OF PARTITION WALL CONDITIONS.
3. DETAIL APPLIES TO PARTITION WALL CONDITIONS 'A' & 'B', ALL S_{DS} CATERGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTIAL HEIGHT PARTITION WALL TOP BRACING - PARTITION WALL CONDITIONS 'A' & 'B' — OPD NO.: ST6.02

PLOT DATE: May 09, 2017



NOTES:
1. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST1.05 FOR PAF REQUIREMENTS.
3. THIS DETAIL IS APPLICABLE ONLY FOR PARTITION WALL CONDITIONS 'A' & 'B', ALL S_{DS} CATEGORIES.
4. STEEL BEAM FLANGE & WEB MINIMUM THICKNESS = 3/16".
5. ROP IN RESPONSIBLE CHARGE, IOR AND CONTRACTOR TO VERIFY THAT NO PDF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BRACE CONNECTION TO STEEL BEAM - PARTITION WALL CONDITIONS 'A' & 'B' — OPD NO.: ST6.08

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Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEVIN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

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THIS ISSUE:	ISSUED FOR	Date

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Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - WALL DETAILS, ST6.01 - ST6.10

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UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.05
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

6/20/2024 4:58:32 PM C:\Revit_Locals\5938 UCDH Central Pharmacy_Central_R23-REVISED SCOPE_aunouDA58.rvt

GRAPHIC SCALES: 1/16" = 1'-0" (0 5' 50') · 1/8" = 1'-0" (0 5' 25') · 1/4" = 1'-0" (0 1' 12') · 1/2" = 1'-0" (0 1' 6') · 3/4" = 1'-0" (0 4') · 1" = 1'-0" (0 1' 3') · 1 1/2" = 1'-0" (0 2') · 3" = 1'-0" (0 1')

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

PLOT DATE: May 09, 2017

TOP AND BOTTOM CONNECTION DEMAND SCHEDULES

TOP AND BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'A')

S_{DS}	SEISMIC REACTION AT THE TOP & BOTTOM CONNECTION FOR DIFFERENT WALL HEIGHT (LBS/FT)		
	9 FT	12 FT	16 FT
0.25–0.99	17	23	31
1.00–1.25	22	29	38
1.26–1.45	26	34	45
1.46–1.95	34	45	60

TOP AND BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'B')

S_{DS}	SEISMIC REACTION AT THE TOP & BOTTOM CONNECTION FOR DIFFERENT WALL HEIGHT (LBS/FT)					
	9 FT		12 FT		16 FT	
	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
0.25–0.99	25	29	33	32	43	38
1.00–1.25	32	36	42	40	54	47
1.26–1.45	37	42	50	47	64	54
1.46–1.95	50	56	67	61	86	72

TOP AND BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'C')

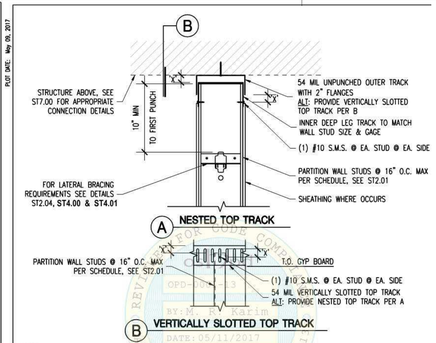
S_{DS}	SEISMIC REACTION AT THE TOP & BOTTOM CONNECTION FOR DIFFERENT WALL HEIGHT (LBS/FT)					
	9 FT		12 FT		16 FT	
	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
0.25–0.99	127	83	149	72	169	68
1.00–1.25	161	102	188	89	213	84
1.26–1.45	188	118	220	104	249	97
1.46–1.95	254	156	296	137	334	129

TOP AND BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'D')

S_{DS}	SEISMIC REACTION AT THE TOP & BOTTOM CONNECTION FOR DIFFERENT WALL HEIGHT (LBS/FT)					
	9 FT		12 FT		16 FT	
	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
0.25–0.99	101	77	122	68	141	65
1.00–1.25	128	98	155	86	179	81
1.26–1.45	149	114	180	101	208	95
1.46–1.95	200	152	241	134	278	127

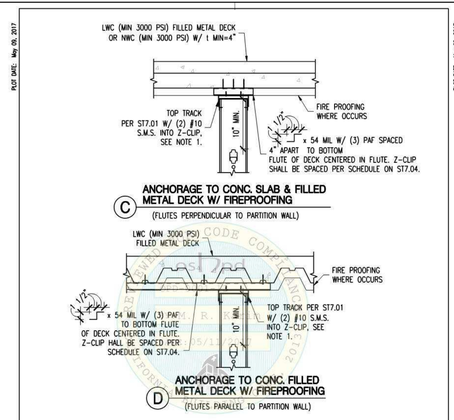
NOTES:
1. CONNECTION DEMANDS ARE PROVIDED TO ALLOW RDP IN RESPONSIBLE CHARGE TO VERIFY NON PRE-APPROVED COMPONENTS OF THE FRAMING SYSTEM AND THE SUPPORTING STRUCTURE.
2. SEE ST2.02 FOR TYPICAL PARTITION WALL SECTIONS.
3. LOADS GIVEN IN PLF MULTIPLY BY APPROPRIATE BRACE SPACING FOR REACTIONS.
4. LOADS GIVEN DO NOT INCLUDE Ω, FOR CONCRETE ATTACHMENTS ASCE 7-10 W/ SUPPLEMENT #1 TABLE 13.5-1.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP & BOTTOM CONNECTION DEMAND SCHEDULES — OPD NO.: ST6.11



NOTES:
1. DO NOT CONNECT OUTER TRACK TO INNER TRACK OR STUDS (DETAIL A ONLY).
2. DO NOT CONNECT WALL FINISH TO OUTER TRACK (DETAILS A & B).
3. GAP 'X' – BY RDP IN RESPONSIBLE CHARGE, 1/2" MIN. TO 3/4" MAX.
4. RDP IN RESPONSIBLE CHARGE TO VERIFY "UL" RATING FOR HEAD OF WALL ASSEMBLY. APPROVED FIRE RESISTANT ASSEMBLY REQUIRED.
5. DETAIL B TO BE USED WHERE ONLY VERTICAL SLIP REQUIRED. WHERE HORIZONTAL, IN-PLANE SLIP IS REQUIRED, USE DETAIL A. DO NOT USE DETAIL B. DO NOT USE DETAIL B FOR ST7.08.
6. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
7. LATERAL BRACING ONLY REQUIRED IF CYP BOARD IS NOT FULL HEIGHT ON BOTH SIDES OF PARTITION WALL SEE ST2.06, ST4.00 & ST4.01.
8. DETAIL APPLIES TO ALL PARTITION WALL CONDITIONS & ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TYPICAL TOP TRACK ANCHORAGE - ALL PARTITION WALL CONDITIONS — OPD NO.: ST7.01



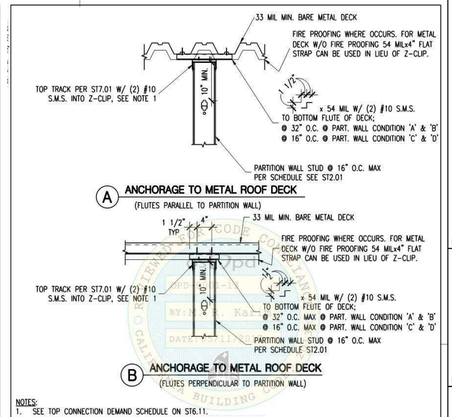
NOTES:
1. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST1.01 & ST1.02 FOR PAF REQUIREMENTS.
3. SEE ST7.10 FOR CONNECTION AT JAMB LOCATION.
4. SEE ST2.01 FOR PARTITION WALL PARTITION STUD SCHEDULE.
5. DETAIL APPLIES TO ALL PARTITION WALL CONDITIONS & ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP TRACK CONNECTION TO LWC FILLED METAL DECK & NWC SLAB W/ FIREPROOFING-ALL PARTITION WALL CONDITIONS — OPD NO.: ST7.03

STRUCTURE ABOVE TOP TRACK	FULL HEIGHT PARTITION WALL-TOP TRACK TO STRUCTURE CONNECTION
LIGHT WEIGHT (MIN. 3000 PSI) CONCRETE FILLED METAL DECK	ST7.02 & ST7.03
NORMAL WEIGHT (MIN. 3000 PSI) CONCRETE SLAB OR BEAM SOFFIT	ST7.02 & ST7.03
~~CONCRETE PAN JOIST OR WAFFLE SLAB SYSTEM~~	~~ST7.02, ST7.05 & ST7.06~~
METAL ROOF DECK WITHOUT STRUCTURAL CONCRETE FILL	ST7.07
STEEL BEAM	ST7.08
~~WOOD FRAMING~~	~~ST7.09~~

NOTES:
1. SEE ST7.01 THROUGH ST7.10 FOR TYPICAL DETAILS OF FULL HEIGHT PARTITION WALLS WITH A TOP TRACK CONNECTION DIRECTLY TO THE STRUCTURE ABOVE.
2. SEE ST6.00 FOR PARTIAL HEIGHT PARTITION WALLS.
3. FOR TOP & BOTTOM CONNECTION DEMAND SCHEDULE SEE ST6.11.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP CONNECTION CONDITIONS - FULL HEIGHT PARTITION WALL — OPD NO.: ST7.00



NOTES:
1. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
2. RDP IN RESPONSIBLE CHARGE TO EVALUATE STEEL DECK FOR CAPACITY.
3. SEE ST2.00 FOR TYPICAL PARTITION WALL CONDITIONS.
4. CONNECTION SPACING SHOWN ABOVE REPRESENTS MAXIMUM SPACING. DECREASE SPACING AS REQ'D TO COORDINATE W/ METAL DECK FLUTE SPACING.
5. DETAIL APPLIES TO ALL PARTITION WALL CONDITIONS & ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP TRACK CONNECTION TO METAL ROOF DECK WITHOUT CONCRETE FILL - ALL PARTITION WALL CONDITIONS — OPD NO.: ST7.07

NOTES:
1. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST1.01 & ST1.02 FOR PAF REQUIREMENTS.
3. SEE ST7.10 FOR CONNECTION AT JAMB LOCATION.
4. SEE ST2.01 FOR PARTITION WALL PARTITION STUD SCHEDULE.
5. DETAIL APPLIES TO ALL PARTITION WALL CONDITIONS & ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP TRACK CONNECTION TO LWC FILLED METAL DECK & NWC SLAB - ALL PARTITION WALL CONDITIONS — OPD NO.: ST7.02

TOP TRACK CONNECTION TO LWC FILLED METAL DECK & NWC SLAB (MIN 3000 PSI) FASTENER SPACING SCHEDULES

PARTITION WALL CONDITION 'A'

S_{DS}/ WALL HEIGHT	PAF SPACING (INCHES O.C.) PER ST7.02 DETAIL A		
	9 FT	12 FT	16 FT
0.25–0.99	30	24	18
1.00–1.25	24	18	12
1.26–1.45	24	18	12
1.46–1.95	18	12	6

FOR DETAIL B THROUGH D (STRAP OR Z-CLIP) DOUBLE THE SPACING INDICATED UP TO 48" OC.

PARTITION WALL CONDITION 'B'

S_{DS}/ WALL HEIGHT	PAF SPACING (INCHES O.C.) PER ST7.02 DETAIL A		
	9 FT	12 FT	16 FT
0.25–0.99	18	18	12
1.00–1.25	12	12	12
1.26–1.45	12	12	6
1.46–1.95	6	6	6

FOR DETAIL B THROUGH D (STRAP OR Z-CLIP) DOUBLE THE SPACING INDICATED UP TO 48" OC.

PARTITION WALL CONDITION 'C'

S_{DS}/ WALL HEIGHT	PAF SPACING (INCHES O.C.) PER ST7.02 DETAIL A		
	9 FT	12 FT	16 FT
0.25–0.99	6	6	6
1.00–1.25	6	6	6
1.26–1.45	6	6	6
1.46–1.95	6	6	6

FOR DETAIL B THROUGH D (STRAP OR Z-CLIP) DOUBLE THE SPACING INDICATED UP TO 48" OC.

PARTITION WALL CONDITION 'D'

S_{DS}/ WALL HEIGHT	PAF SPACING (INCHES O.C.) PER ST7.02 DETAIL A		
	9 FT	12 FT	16 FT
0.25–0.99	6	6	6
1.00–1.25	6	6	6
1.26–1.45	6	6	6
1.46–1.95	6	6	6

FOR DETAIL B THROUGH D (STRAP OR Z-CLIP) DOUBLE THE SPACING INDICATED UP TO 48" OC.

NOTES:
1. SEE ST7.02 & ST7.03 FOR DETAILS A, B, C, & D.
2. VALUES IN TABLES ABOVE REPRESENT MAXIMUM SPACING. DECREASE SPACING AS REQ'D TO COORDINATE W/ METAL DECK FLUTE SPACING. WHERE PAF SPACING IS LESS THAN 12" OC, OK TO PROVIDE MULTIPLE PAF AT LOW FLUTE AS REQUIRED. MAINTAIN EDGE DISTANCE AND SPACING REQUIREMENTS PER ST1.01 & ST1.02.
3. SPACING LISTED INCLUDES Ω, PER ASCE 7-10 W/ SUPPLMENT #1 TABLE 13.5-1.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP TRACK CONNECTION TO LWC FILLED METAL DECK & NWC SLAB FASTENER SPACING SCHEDULES — OPD NO.: ST7.04

ANCHORAGE FOR PARTITION PERP. TO CONC. PAN JOIST

SDS/ WALL HT.	PARTITION TYPE: CONDITION 'A' 9 FT	12 FT	16 FT	CONDITION 'B' 9 FT	12 FT	16 FT	CONDITIONS 'C' & 'D' ALL
0.25–0.99	✓	✓	✓	✓	–	–	–
1.00–1.25	✓	✓	–	–	–	–	–
1.26–1.45	✓	–	–	–	–	–	–
1.46–1.95	–	–	–	–	–	–	–

✓ DETAIL D CAN BE USED FOR THIS CONDITION
– DETAIL D CAN NOT BE USED FOR THIS CONDITION

NOTES:
1. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST1.01 & ST1.02 FOR PAF REQUIREMENTS.
3. SEE ST2.00 FOR TYPICAL PARTITION WALL CONDITIONS.
4. SEE ST2.01 FOR PARTITION WALL PARTITION STUD SCHEDULE.
5. DETAIL APPLIES TO ALL PARTITION WALL CONDITIONS & ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP TRACK CONNECTION TO CONCRETE PAN JOIST AND WAFFLE SLAB SYSTEM - ALL PARTITION WALL CONDITIONS — OPD NO.: ST7.06

NOTES:
1. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST1.05 FOR PAF REQUIREMENTS.
3. DETAIL APPLIES TO ALL PARTITION WALL CONDITIONS & ALL S_{DS} CATEGORIES.
4. RDP IN RESPONSIBLE CHARGE, IOR AND CONTRACTOR TO VERIFY THAT NO PDF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.
5. IN-PLANE SLIP REQUIRED.

PARTITION WALL CONDITION 'A' & 'B'

S_{DS}/ WALL HEIGHT	Z-CLIP SPACING (INCHES O.C.)		
	9 FT	12 FT	16 FT
0.25–1.95	48	48	48

PARTITION WALL CONDITION 'C' & 'D'

S_{DS}/ WALL HEIGHT	Z-CLIP SPACING (INCHES O.C.)		
	9 FT	12 FT	16 FT
0.25–1.25	48	48	48
1.26–1.95	32	32	32

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP TRACK CONNECTION TO STEEL BEAM - ALL PARTITION WALL CONDITIONS — OPD NO.: ST7.08

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
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Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEVIN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
	100% CONSTRUCTION DOCUMENTS	

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - WALL DETAILS, ST6.11 - ST7.08

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.06
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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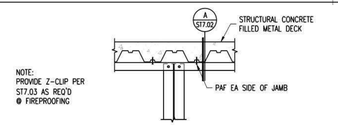
GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

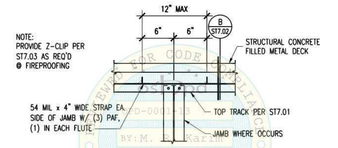
IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

PLOT DATE: May 09, 2017



A ANCHORAGE TO CONC. FILLED METAL DECK AT JAMB LOCATION

(FLUTES PERPENDICULAR TO WALL)



B ANCHORAGE TO CONC. FILLED METAL DECK AT JAMB LOCATION

(FLUTES PARALLEL TO WALL)

STRUCTURAL CONDITION ABOVE TOP TRACK	PROVIDE ADD'L TOP TRACK CONN AT JAMB USING DETAIL LISTED BELOW
CONCRETE PAN JOIST OR WAFFLE SLAB SYSTEM	ST7.05 OR ST7.06
METAL ROOF DECK WITHOUT STRUCTURAL CONCRETE FILL	ST7.07
STEEL BEAM	ST7.08
WOOD FRAMING	ST7.09

NOTE:
1. SEE ST1.01, ST1.02 & ST1.05 FOR PAF REQUIREMENTS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP TRACK CONNECTION AT JAMB LOCATIONS - PARTITION WALL CONDITION 'A'
OPD NO.: ST7.10

PLOT DATE: May 09, 2017

BOTTOM CONNECTION SCHEDULE

STRUCTURAL CONDITION BELOW BOTTOM TRACK	BOTTOM TRACK CONNECTION
	PARTITION WALL CONDITIONS 'A', 'B', 'C', & 'D'
LWC FILLED METAL DECK OR NWC SLAB	ST8.01
~~WOOD FRAMING~~	~~ST8.01~~

NOTES:
1. FOR PARTITION WALL CONDITION DESCRIPTION SEE ST2.00
2. FOR BOTTOM CONNECTION DEMAND SCHEDULE SEE ST6.11.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BOTTOM CONNECTION SCHEDULE
OPD NO.: ST8.00

PLOT DATE: May 09, 2017

BOTTOM TRACK CONNECTION TO LWC ON METAL DECK FASTENER MAX SPACING SCHEDULE

BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'A')

MAX PARTITION WALL HEIGHT	S_{DS}	MAXIMUM FASTENER SPACING IN INCHES AT BOTTOM CONNECTION				
		PAF	3/8"ø EXP ANCHOR W/ 2" EMBED	1/2"ø EXP ANCHOR W/ 2 1/4" EMBED	3/8"ø SCREW ANCHOR W/ 2 1/2" EMBED	1/2"ø SCREW ANCHOR W/ 2 1/2" EMBED
9 FT	0.25–0.99	32	32	32	32	32
	1.00–1.25	24	32	32	32	32
	1.26–1.45	16	32	32	32	32
	1.46–1.95	16	32	32	32	32
12 FT	0.25–0.99	24	32	32	32	32
	1.00–1.25	16	32	32	32	32
	1.26–1.45	16	32	32	32	32
	1.46–1.95	8	32	32	32	32
16 FT	0.25–0.99	16	32	32	32	32
	1.00–1.25	8	32	32	32	32
	1.26–1.45	8	32	32	32	32
	1.46–1.95	8	32	32	32	32

BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'B')

MAX PARTITION WALL HEIGHT	S_{DS}	MAXIMUM FASTENER SPACING IN INCHES AT BOTTOM CONNECTION				
		PAF	3/8"ø EXP ANCHOR W/ 2" EMBED	1/2"ø EXP ANCHOR W/ 2 1/4" EMBED	3/8"ø SCREW ANCHOR W/ 2 1/2" EMBED	1/2"ø SCREW ANCHOR W/ 2 1/2" EMBED
9 FT	0.25–0.99	16	32	32	32	32
	1.00–1.25	16	32	32	32	32
	1.26–1.45	8	32	32	32	32
	1.46–1.95	8	32	32	32	32
12 FT	0.25–0.99	16	32	32	32	32
	1.00–1.25	8	32	32	32	32
	1.26–1.45	8	32	32	32	32
	1.46–1.95	8	32	32	32	32
16 FT	0.25–0.99	8	32	32	32	32
	1.00–1.25	8	32	32	32	32
	1.26–1.45	8	32	32	32	32
	1.46–1.95	–	32	32	32	32

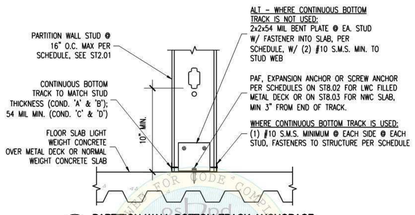
BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITIONS 'C' & 'D')

MAX PARTITION WALL HEIGHT	S_{DS}	MAXIMUM FASTENER SPACING IN INCHES AT BOTTOM CONNECTION				
		PAF	3/8"ø EXP ANCHOR W/ 2" EMBED	1/2"ø EXP ANCHOR W/ 2 1/4" EMBED	3/8"ø SCREW ANCHOR W/ 2 1/2" EMBED	1/2"ø SCREW ANCHOR W/ 2 1/2" EMBED
9 FT	0.25–0.99	–	32	32	32	32
	1.00–1.25	–	32	32	24	32
	1.26–1.45	–	32	32	24	24
	1.46–1.95	–	24	32	16	16
12 FT	0.25–0.99	–	32	32	32	32
	1.00–1.25	–	32	32	24	24
	1.26–1.45	–	24	32	16	24
	1.46–1.95	–	16	24	16	16
16 FT	0.25–0.99	–	32	32	24	24
	1.00–1.25	–	32	32	16	24
	1.26–1.45	–	24	32	16	16
	1.46–1.95	–	16	24	8	16

NOTES:
1. SEE ST1.01 & ST1.02 FOR PAF REQUIREMENTS.
2. SEE ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS.
3. SEE ST1.09 & ST1.10 FOR SCREW ANCHOR REQUIREMENTS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BOTTOM TRACK CONNECTION TO LWC ON METAL DECK FASTENER MAX SPACING SCHEDULE
OPD NO.: ST8.02

PLOT DATE: May 09, 2017



A PARTITION WALL BOTTOM TRACK ANCHORAGE

LIGHT WEIGHT CONCRETE OVER METAL DECK OR NORMAL WEIGHT CONCRETE SLAB

NOTES:
1. SEE ST1.01 & ST1.02 FOR PAF REQUIREMENT AND ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS AND ST1.09 & ST1.10 FOR SCREW ANCHOR REQUIREMENTS:
2. SEE ST8.05 FOR ANCHORAGE @ JAMBS.
3. FOR LIGHT WEIGHT CONCRETE OVER METAL DECK, SEE ST8.02 FOR FASTENER TO SLAB SCHEDULE.
4. FOR NORMAL WEIGHT CONCRETE SLAB, SEE ST8.03 FOR FASTENER TO SLAB SCHEDULE.
5. SEE ST2.01 FOR PARTITION WALL STUD SCHEDULE.

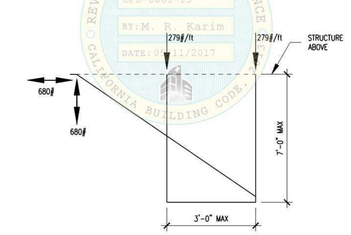
SECTION TITLE: TANDARD PARTITION WALL DETAILS
ET TITLE: OTTOM TRACK CONNECTION TO WC ON METAL DECK OR NWC SLAB ALL PARTITION WALL CONDITIONS
OPD NO.: ST8.01

PLOT DATE: May 09, 2017

SUSPENDED SOFFIT CONNECTION SCHEDULE

STRUCTURE ABOVE SUSPENDED SOFFIT	DETAIL
CONCRETE SLAB, BEAM OR LWC FILLED METAL DECK	ST9.02
CONNECTION TO STEEL BEAM	ST9.03
CONCRETE PAN JOIST OR WAFFLE SYSTEM SLAB SYSTEM	NOT AVAILABLE
METAL ROOF DECK WITHOUT CONCRETE FILL SYSTEM	NOT AVAILABLE
WOOD FRAMING	NOT AVAILABLE

NOTES:
1. SEE ST9.01 FOR SUSPENDED SOFFIT DETAIL.
2. SEE SOFFIT LOADING DIAGRAM BELOW. RDP IN RESPONSIBLE CHARGE TO DESIGN CONNECTION AND CHECK SUPPORTING FRAMING FOR ALL CONDITIONS NOT COVERED IN THESE DETAILS. LOADS SHOWN AT ALLOWABLE STRESS LEVEL.
3. THE DEMANDS LISTED DO NOT INCLUDE OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 SUPPLEMENT 1 TABLE 13.5-1 FOR ANCHORAGE TO CONCRETE. FOR CONNECTION TO CONCRETE DEMAND SHALL BE AMPLIFIED BY THE OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 TABLE 13.5-1



SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: SUSPENDED SOFFIT CONNECTION SCHEDULE
OPD NO.: ST9.00

PLOT DATE: May 09, 2017

BOTTOM TRACK CONNECTION TO NWC SLAB FASTENER MAX SPACING SCHEDULE

BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'A')

MAX PARTITION WALL HEIGHT	S_{DS}	MAXIMUM FASTENER SPACING IN INCHES AT BOTTOM CONNECTION				
		PAF	3/8"ø EXP ANCHOR W/ 2" EMBED	1/2"ø EXP ANCHOR W/ 2 1/4" EMBED	3/8"ø SCREW ANCHOR W/ 2 1/2" EMBED	1/2"ø SCREW ANCHOR W/ 2 1/2" EMBED
9 FT	0.25–0.99	32	32	32	32	32
	1.00–1.25	24	32	32	32	32
	1.26–1.45	16	32	32	32	32
	1.46–1.95	16	32	32	32	32
12 FT	0.25–0.99	24	32	32	32	32
	1.00–1.25	16	32	32	32	32
	1.26–1.45	16	32	32	32	32
	1.46–1.95	8	32	32	32	32
16 FT	0.25–0.99	16	32	32	32	32
	1.00–1.25	8	32	32	32	32
	1.26–1.45	8	32	32	32	32
	1.46–1.95	8	32	32	32	32

BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'B')

MAX PARTITION WALL HEIGHT	S_{DS}	MAXIMUM FASTENER SPACING IN INCHES AT BOTTOM CONNECTION				
		PAF	3/8"ø EXP ANCHOR W/ 2" EMBED	1/2"ø EXP ANCHOR W/ 2 1/4" EMBED	3/8"ø SCREW ANCHOR W/ 2 1/2" EMBED	1/2"ø SCREW ANCHOR W/ 2 1/2" EMBED
9 FT	0.25–0.99	16	32	32	32	32
	1.00–1.25	16	32	32	32	32
	1.26–1.45	8	32	32	32	32
	1.46–1.95	8	32	32	32	32
12 FT	0.25–0.99	16	32	32	32	32
	1.00–1.25	8	32	32	32	32
	1.26–1.45	8	32	32	32	32
	1.46–1.95	8	32	32	32	32
16 FT	0.25–0.99	8	32	32	32	32
	1.00–1.25	8	32	32	32	32
	1.26–1.45	8	32	32	32	32
	1.46–1.95	–	32	32	32	32

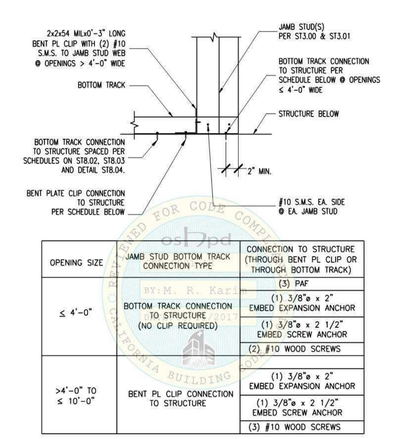
BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITIONS 'C' & 'D')

MAX PARTITION WALL HEIGHT	S_{DS}	MAXIMUM FASTENER SPACING IN INCHES AT BOTTOM CONNECTION				
		PAF	3/8"ø EXP ANCHOR W/ 2" EMBED	1/2"ø EXP ANCHOR W/ 2 1/4" EMBED	3/8"ø SCREW ANCHOR W/ 2 1/2" EMBED	1/2"ø SCREW ANCHOR W/ 2 1/2" EMBED
9 FT	0.25–0.99	–	32	32	32	32
	1.00–1.25	–	32	32	32	32
	1.26–1.45	–	32	32	32	32
	1.46–1.95	–	32	32	32	32
12 FT	0.25–0.99	–	32	32	32	32
	1.00–1.25	–	32	32	32	32
	1.26–1.45	–	32	32	32	32
	1.46–1.95	–	24	32	24	24
16 FT	0.25–0.99	–	32	32	32	32
	1.00–1.25	–	32	32	32	32
	1.26–1.45	–	32	32	32	32
	1.46–1.95	–	24	32	24	24

NOTES:
1. SEE ST1.01 & ST1.02 FOR PAF REQUIREMENTS.
2. SEE ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS.
3. SEE ST1.09 & ST1.10 FOR SCREW ANCHOR REQUIREMENTS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BOTTOM TRACK CONNECTION TO NWC SLAB FASTENER MAX SPACING SCHEDULE
OPD NO.: ST8.03

PLOT DATE: May 09, 2017

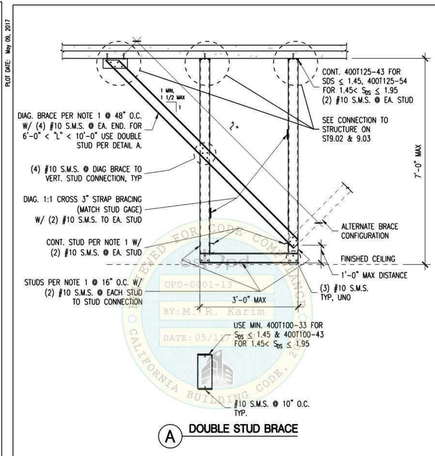


OPENING SIZE	JAMB STUD BOTTOM TRACK CONNECTION TYPE	CONNECTION TO STRUCTURE (THROUGH BENT PL CLIP OR THROUGH BOTTOM TRACK)
≤ 4'–0"	BOTTOM TRACK CONNECTION TO STRUCTURE (NO CLIP REQUIRED)	(3) PAF
		(1) 3/8"ø x 2" EMBED EXPANSION ANCHOR
		(1) 3/8"ø x 2 1/2" EMBED SCREW ANCHOR
		(2) #10 WOOD SCREWS
>4'–0" TO ≤ 10'–0"	BENT PL CLIP CONNECTION TO STRUCTURE	(1) 3/8"ø x 2" EMBED EXPANSION ANCHOR
		(1) 3/8"ø x 2 1/2" EMBED SCREW ANCHOR
		(3) #10 WOOD SCREWS

NOTE:
1. BOTTOM CONNECTION @ JAMBS AT PARTITION WALL CONDITION 'A', ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BOTTOM TRACK CONNECTION @ JAMBS - PARTITION WALL CONDITION 'A'
OPD NO.: ST8.05

PLOT DATE: May 09, 2017



A DOUBLE STUD BRACE

NOTES:
1. USE MIN 4" x 33 MIL STUDS (400S137-33) FOR S_{DS} ≤ 1.45 & 4" x 43 MIL (400S137-43) FOR 1.45 < S_{DS} ≤ 1.95
2. SUSPENDED SOFFITS ARE NOT DESIGNED TO SUPPORT ADJACENT HANGING OR FRAMED CEILINGS, EQUIPMENT OR CABINETS.
3. SEE ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: SUSPENDED SOFFIT DETAIL
OPD NO.: ST9.01

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEVIN L. YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

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THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - WALL DETAILS, ST7.09 - ST9.01

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UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.07
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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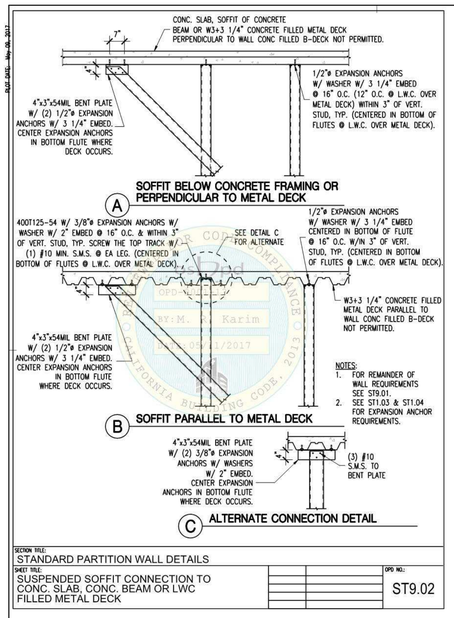
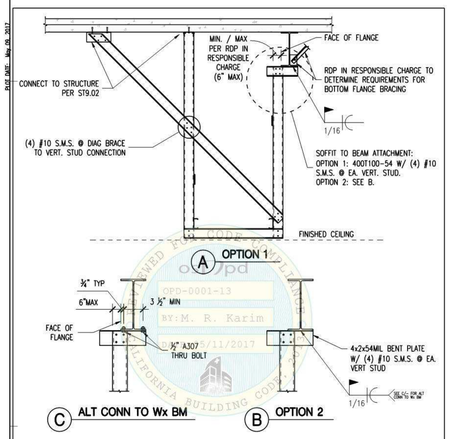


SECTION TITLE: STANDARD PARTITION WALL DETAILS

SHEET TITLE: SUSPENDED SOFFIT CONNECTION TO CONC. SLAB, CONC. BEAM OR LWC FILLED METAL DECK

OPD NO.: ST9.02



NOTES:
1. FOR REMAINDER OF SOFFIT REQUIREMENTS SEE ST9.01.
2. SEE ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS.
3. SEE ST1.05 FOR PAF REQUIREMENTS.
4. RDP IN RESPONSIBLE CHARGE, IOR AND CONTRACTOR TO VERIFY THAT NO WELD IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER; SEE ANSI/AISC 341-10.

SECTION TITLE: STANDARD PARTITION WALL DETAILS

SHEET TITLE: SUSPENDED SOFFIT CONNECTION TO STEEL BEAM

OPD NO.: ST9.03

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DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - WALL DETAILS, ST9.02 - ST9.03

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GENERAL NOTES

1. CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2013).

2. THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE CONSTRUCTION DRAWINGS AND ANY OTHER PORTION OF THE CONSTRUCTION DOCUMENTS, FIELD CONDITIONS, OR WHERE ANY CONDITIONS ARISE NOT COVERED BY THESE DOCUMENTS WHEREIN WORK WILL NOT COMPLY WITH CODE REQUIREMENTS.

3. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARD CODE, 2013 (CBSC 2013). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2013, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.

4. GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO ASTM A653-11 MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI SI00-07/S2-10; NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS WITH SUPPLEMENT 2, DATED 2010, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAGE) AND LIGHTER AND MINIMUM YIELD STRENGTH OF 50 KSI FOR HEAVIER GAGES.

   METAL STUDS AND TRACKS SHALL BE OF SIZE, THICKNESS AND SECTION PROPERTIES SHOWN ON TABLES 1-1, 1-2 AND 1-3 OF THE AISI MANUAL, COLD-FORMED STEEL DESIGN, 2008 EDITION. THE RDP IN RESPONSIBLE CHARGE SHALL OBTAIN OSHPD APPROVAL FOR ANY SUBSTITUTIONS.

5. ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH OF (Fy =) 30 KSI AND MINIMUM ULTIMATE STRENGTH OF (Fu =) 48 KSI.

6. THESE OPD REFER TO FASTENER TYPE AND SIZE BUT DO NOT SPECIFY OR ENDORSE A SPECIFIC MANUFACTURER. THE RDP IN RESPONSIBLE CHARGE SHALL SELECT A MANUFACTURER AND SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET:
   a. SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118 AND ALLOWABLE STRENGTH SHALL BE BASED ON INFORMATION PROVIDED IN CL1.31 AND CL1.32. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
   b. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES. FIELD WELDING SHALL HAVE SPECIAL INSPECTION IN ACCORDANCE WITH 2013 CBC SECTION 1705A.2.
   c. POST- INSTALLED ANCHORS (E.G. EXPANSION ANCHORS, SCREW ANCHORS AND POWER ACTUATED FASTENERS) SHALL HAVE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH THE 2013 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE SEE THE 2013 CBC SECTIONS 1616A.1.19 AND 1908A.1.1. LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENER USED.
   d. POWER-ACTUATED FASTENERS (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) AND SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF). PAF'S SHALL SATISFY THE CURRENT AC70-ACCEPTANCE CRITERIA FOR FASTENERS POWER-DRIVEN INTO CONCRETE, STEEL AND MASONRY ELEMENTS AND THE 2013 CBC SECTION 1908A.1.1. LISTING OF CURRENT ICC ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED.
   e. FOR PAF INSTALLED IN STEEL THE FASTENER PENETRATION SHALL HAVE THE ENTIRE POINTED END OF THE FASTENER DRIVEN THROUGH THE STEEL MEMBER, EXCEPT AS NOTED IN CURRENT REPORTS FROM TESTING AGENCIES ACCEPTABLE TO OSHPD.

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7. DESIGN CRITERIA
   a. BUILDING CODE: 2013 CALIFORNIA BUILDING CODE (2013 CBC), ASCE 7-10, AISI S100-07/S2-10, ASTM E580-14, C635-13a, AND C636-13. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1605A.3.1.
   b. FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS.
   c. THE DESIGN ASSUMES THAT BUILDING ELEMENTS AND SUPPORTS, TO WHICH THE COMPONENTS ADDRESSED IN THIS DOCUMENT ARE ANCHORED, HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING BUILDING ELEMENTS IS BEYOND THE SCOPE OF THE OPD.
   d. THIS OPD IS LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING FIXTURES (LUMINERIES) AND MECHANICAL SERVICES, EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM. HEAVIER SYSTEM AND THOSE SUPPORTING LATERAL FORCES FROM PARTITION WALLS ARE OUTSIDE THE SCOPE OF THIS OPD AND WILL REQUIRE PROJECT SPECIFIC DESIGN.
8. THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THE FIRE RESISTENCE AND ACOUSTICAL RATINGS FOR ALL CEILING ASSEMBLIES.
9. "CEILING WIRE" SHALL CONFORM WITH GALVANIZED SOFT ANNEALED MILD STEEL WIRE AS DEFINED IN ASTM A641 (CLASS 1 COATING) WITH 70 KSI MINIMUM TENSILE STRENGTH:
   a. FOUR (4) TWISTS OF WIRE WITHIN 1.5" DEVELOPS THE ALLOWABLE LOAD FOR THE WIRE.
   b. THREE (3) TWISTS WITHIN 3" MAY BE USED TO DEVELOP THE MAXIMUM 50% OF ALLOWABLE LOAD.
10. SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND E580 SECTION 5.1:
   a. THE CEILING GRID SYSTEM SHALL BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.
   b. HANGER AND BRACING WIRES SHALL BE #12 GAGE (0.106" DIAMETER), SOFT ANNEALED, AND GALVANIZED STEEL WIRES WITH CLASS 1 COATING. THEY MAY BE USED FOR UP TO AND INCLUDING 4'-0"x 4'-0" GRID SPACING ALONG AND ATTACHED TO MAIN RUNNERS. SPLICES ARE NOT PERMITTED IN ANY HANGER WIRE.
   c. MAIN RUNNERS AND CROSS RUNNERS ALONG WITH THEIR SPLICES, INTERSECTION CONNECTORS, AND EXPANSION DEVICES SHALL BE DESIGNED AND CONSTRUCTED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 180 LBS. IN COMPRESSION & TENSION, IN ACCORDANCE WITH ASTM 580 SECTION 5.1.2.
11. SUSPENSION SYSTEM INSTALLATION, SHALL COMPLY WITH ASTM C636 AND E580 SECTION 5.2:
   a. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.
   b. CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS, IN ACCORDANCE WITH ASTM E580 SECTION 5.2.3. CEILING GRID MEMBERS SHALL BE AT LEAST 3/4" INCH CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONAL TO THE CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE, AND A MINIMUM OF 3/4 INCH CLEAR OF WALL.
   c. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN TWO (2) INCHES. USE OF ANGLES WITH SMALLER WIDTHS IN CONJUNCTION WITH PERIMETER CLIPS SHALL REQUIRE AN ALTERNATE METHOD OF COMPLIANCE WITH ADEQUATE JUSTIFICATION AND ARE OUTSIDE THE SCOPE OF THIS OPD.
   d. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A #16 GAGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS EIGHT (8) INCHES OR LESS, THIS INTERCONNECTION IS NOT REQUIRED.

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12. EXPANSION JOINTS, SEISMIC SEPARATIONS, AND PENETRATIONS:
   a. EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS.
   b. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQ. FT.
   c. PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE ONE (1) INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER. SUCH FLEXIBLE SPRINKLER HOSE SHALL BE ADEQUATELY SUPPORTED FROM SOFFIT SO AS NOT TO EXCEED THE MAXIMUM TRIBUTARY WEIGHT OF THE CEILING.
13. LATERAL FORCE BRACING:
   LATERAL FORCE BRACING IS REQUIRED IN ACCORDANCE WITH THIS SECTION FOR ALL CEILING AREAS, UON.

   EXCEPTION: LATERAL FORCE BRACING MAY BE OMITTED FOR SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQ. FT. OR LESS, WHEN PERIMETER SUPPORT IN ACCORDANCE WITH ASTM E580 ARE PROVIDED AND PERIMETER WALLS ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES.
   a. PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A STRUT AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER.
   b. LATERAL-FORCE BRACING ASSEMBLIES SHALL BE SPACED IN ACCORDANCE WITH CL2.20 THROUGH CL2.22 AND CL2.30 FROM EACH WALL AND AT THE EDGES OF ANY CHANGE OF ELEVATION OF THE CEILING.
   c. THE SLOPE OF BRACING WIRES MAY BE FROM 10 TO 45 DEGREES BUT MAY NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHALL BE TAUT.
   d. STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB.
14. ATTACHMENT OF HANGER AND BRACING WIRES:
   a. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS IN 3 INCHES. HANGER WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS.
   b. FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2" INCHES.
   c. HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.
   d. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES CONDUITS, ETC.
   e. HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMETARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.
   f. HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL REQUIRE PROJECT SPECIFIC DESIGN.
   g. WHEN DRILLED-IN CONCRETE ANCHORS OR PAF ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 WIRE/ ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 200 LBS. IN TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 WIRE/ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 440 LBS. IN TENSION IN THE DIRECTION OF THE WIRE. PAF IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.

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15. **CEILING FIXTURES, TERMINALS, AND DEVICES:**
   a. CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS/GRILLS, OR OTHER DEVICES (REFERRED TO ALL BY COMMON TERM FIXTURES HERE AFTER).
   b. ALL FIXTURES SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE.
   c. ALL FIXTURES SHALL BE ATTACHED TO THE SUSPENDED CEILING SYSTEM BY MECHANICAL MEANS, UNLESS INDEPENDENTLY SUPPORTED. THE ATTACHMENT DEVICE SHALL HAVE THE CAPACITY OF 100% OF FIXURE WEIGHT ACTING IN ANY DIRECTION. A MINIMUM OF TWO ATTACHMENT DEVICES ARE REQUIRED FOR EACH FIXTURE.
   d. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH POSITIVE CLAMPING DEVICES MADE OF MATERIAL WITH A MINIMUM 14 GAGE. A NO.12 GAUGE SAFETY WIRES SHALL BE ATTACHED BETWEEN THE CLAMPING DEVICE AND TO THE STRUCTURE ABOVE. IN NO CASE SHALL THE FIXTURES EXCEED THE DESIGN CAPACITY OF THE SUPPORTING MEMBERS.
   e. ALL LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE ONE NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
   f. ALL FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
   g. ALL FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS.
   h. PENDENT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN N0. 9-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT. THE CEILING SUSPENSION SYSTEM SHALL NOT PROVIDE ANY DIRECT SUPPORT.
   i. ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. LEVELLING OR POSITIONING OF FIXTURES MAY BE PROVIDED BY CEILING GRID. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE GRID SYSTEM. FIXTURES SHALL NOT BE SUPPORTED FROM MAIN RUNNERS OR CROSS RUNNERS IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.
16. **ADDITIONAL REQUIREMENTS:**
   a. CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY. POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY APPROVED TESTING AGENCY.
   b. METAL AND OTHER PANELS: METAL PANELS AND PANELS WEIGHING MORE THAN 1/2 PSF, OTHER THAN MINERAL FIBER ACOUSTICAL TILE, ARE TO BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION RUNNERS.
   c. BUILDING EXIT WAYS: CEILINGS IN EXIT WAYS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 13.5.6.2.2(1) OF ASCE 7-10 AS AMENDED BY 2013 CBC SECTION 1616A.1.20. SPLICES OR INTERSECTION OF RUNNERS SHALL BE ATTACHED WITH THROUGH CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES WITH END TABS OR OTHER APPROVED CONNECTORS.

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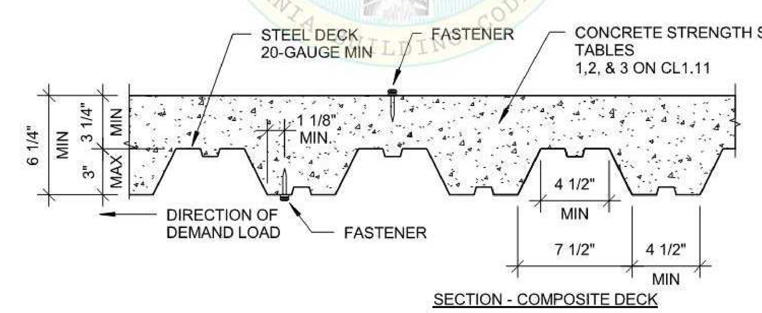
POWER ACTUATED FASTENER (PAF) GENERAL NOTES
(INSTALLED IN CONCRETE OVER METAL DECK OR CONC SLAB)

1. POWER ACTUATED FASTENER (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF).
2. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
3. ALLOWABLE STRENGTHS ARE FOR A SINGLE FASTENER WHICH MEET REQUIREMENTS IN SECTIONS BELOW AND TABLES ON CL1.11. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN THE ICC ESRS 1799, 2024, 2138 & 2269.
4. MINIMUM CONCRETE STRENGTH f'_c=2000 PSI FOR NORMAL WEIGHT CONCRETE AND f'_c=3000 PSI FOR ALL LIGHT WEIGHT CONCRETE UNLESS OTHERWISE NOTED.
5. POWER ACTUATED FASTENER INSTALLED THROUGH LOW FLUTES OF THE METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTIONS BELOW.
6. MINIMUM EDGE DISTANCE OF 1 1/8" FROM THE EDGE OF METAL DECK WEB AND 4" FROM THE EDGE OF THE DECK.
7. STEEL DECK TO BE A MINIMUM OF 20GA.
8. CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK SHALL BE A MINIMUM OF 3 1/4" LIGHT WEIGHT CONCRETE.
9. PAF SHALL NOT BE USED TO RESIST SEISMIC SHEAR FORCES EXCEPT AT INTERIOR NON-LOAD BEARING, NON-SHEAR WALL PARTITION WALLS (AS PERMITTED BY 2013 CBC SECTION 1908A.1.1) AND COMPONENTS EXEMPT FROM CONSTRUCTION DOCUMENT REVIEW BY 2013 CBC SECTION 1616A.1.18 (NOT PERMITTED TO TAKE SEISMIC SHEAR BY ICC-ES AC70 FOR ANY OTHER CONDITIONS). PAF SHALL NOT BE USED TO CARRY SEISMIC TENSION LOADS (EXCEPT FOR VERTICAL SEISMIC LOAD PRODUCED BY SELF WEIGHT OF THE COMPONENTS) OR IN CRACKED CONCRETE UNLESS APPROVED FOR SUCH LOADING BY OSHPD.
10. PAF SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND AND REINFORCEMENT PRIOR TO FASTENER INSTALLATION.
11. PAF INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING CONCRETE REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. PAF SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT. THIS MAY REQUIRE NON-DESTRUCTIVE TESTING.
12. PAF SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD).
13. TESTING OF PAF SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1913A.7. MINIMUM CONCRETE SUBSTRATE THICKNESS SHALL BE THREE TIMES THE PAF PENETRATION INTO THE CONCRETE SUBSTRATE.
14. TESTING IS NOT REQUIRED OF PAF USED TO ATTACH TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY WHERE THERE ARE AT LEAST THREE FASTENERS.
15. TOTAL ALLOWABLE LOADS IN TENSION, SHEAR OR TENSION SHEAR COMBINATIONS SHALL NOT EXCEED 90 LBS AS PERMITTED BY EXCEPTION TO ASCE 7-10 SECTION 13.4.5.
16. REFER TO NOTE 6d ON CL0.00 FOR ADDITIONAL PAF REQUIREMENTS.



SECTION - COMPOSITE DECK

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : POWER ACTUATED FASTENER (PAF) IN CONCRETE OVER METAL DECK OR CONCRETE SLAB - PAGE 1 OF 2 | CL1.10

POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS
(INSTALLED IN CONCRETE OVER METAL DECK OR CONC SLAB

TABLE 1
POWER ACTUATED FASTENER INSTALLED IN SAND-LIGHTWEIGHT CONCRETE THROUGH METAL DECK (f'_cMIN=3000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN EMBED (IN)	MIN SPACING (IN)	MIN EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	4	4	90	90

TABLE 2
POWER ACTUATED FASTENERS INSTALLED INTO STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'_cMIN=3000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN EMBED (IN)	MIN SPACING (IN)	MIN EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	4	4	90	90

TABLE 3
POWER ACTUATED FASTENER INSTALLED INTO NORMAL-WEIGHT CONCRETE (f'_cMIN=2000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN EMBED (IN)	MIN SPACING (IN)	MIN EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	5.1	4	90	90

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : POWER ACTUATED FASTENER (PAF) IN CONCRETE OVER METAL DECK OR CONCRETE SLAB - PAGE 2 OF 2 | CL1.11

POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN STEEL)

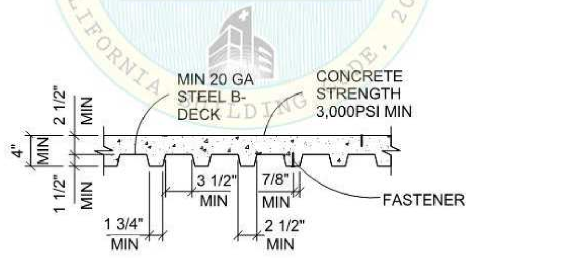
1. MINIMUM STEEL TENSILE STRENGTH F_u=58KSI
2. MINIMUM SPACING 1 INCH.
3. MINIMUM EDGE DISTANCE 1/2 INCH.
4. USE KNURLED SHANK.
5. POWER ACTUATED FASTENERS (PAF) SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION EVALUATION REPORTS OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD.
6. SEE GENERAL NOTE 6d & 6e ON CL0.00 FOR PAF REQUIREMENTS & ATTACHMENT TO STEEL.
7. POWER ACTUATED FASTENER (PAF), POWEDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS, ARE COMMON NOMINCLATURES THAT ALL REPRESENT THE SAME FASTENER DESCRIBED HERE IN.
8. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
9. ALLOWABLE STRENGTHS ARE FOR SINGLE FASTENERS, WHICH MEET THE REQUIREMENTS PER NOTES ABOVE. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN THE ESRS 1799, 2024, 2138 & 2269.
10. TOTAL ALLOWABLE TENSION, SHEAR OR TENSION SHEAR COMBINATION SHALL NOT EXCEED 250 LBS. AS PERMITTED BY THE EXCEPTION TO ASCE 7-10 SECTION 13.4.5.

NOMINAL SHANK DIAMETER (IN)	STEEL THICKNESS (IN)							
	3/16		1/4		3/8		1/2	
	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)
0.145 MIN	155	250	230	250	250	250	190	220

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : POWER ACTUATED FASTENER (PAF) IN STEEL | CL1.12

POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL B-DECK)

1. POWER ACTUATED FASTENER (PAF), POWER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF).
2. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
3. ALLOWABLE STRENGTHS ARE FOR A SINGLE FASTENER WHICH MEET REQUIREMENTS PER SECTION BELOW AND TABLES ON CL1.14 THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN ICC ESRS 2024, 2138, & 2269.
4. MINIMUM CONCRETE STRENGTH f'c = 3000 PSI FOR NORMAL WEIGHT CONCRETE AND f'c = 3000 PSI FOR ALL LIGHT WEIGHT CONCRETE UNLESS NOTED OTHERWISE.
5. POWER ACTUATED FASTENER INSTALLED THROUGH LOW FLUTES OF THE METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLTION CRITERIA AND SECTION BELOW.
6. MINIMUM EDGE DISTANC7: OF 7/8" FROM THE EDGE OF METAL DECK WEB AND 4" FROM THE EDGE OF THE DECK.
7. STEEL DECK TO BE A MINIMUM OF 20 GA. B-DECK.
8. CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK MUST BE A MINIMUM OF 2 1/2" AT NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE COMPOSITE METAL DECK.
9. PAF SHALL NOT BE USED TO RESIST SEISMIC SHEAR FORCES EXCEPT AT INTERIOR NON-LOAD BEARING, NON-SHEAR WALL PARTITION WALLS (AS PERMITTED BY 2013 CBC 1908A.1.1) AND COMPONENTS EXEMPT FROM CONSTRUCTION DOCUMENT REVIEW BY 2013 CBC SECTION 1616A.1.18 (NOT PERMITTED TO TAKE SEISMIC SHEAR BY ICC-ES AC70 FOR ANY OTHER CONDITIONS). PAF SHALL NOT BE USED TO CARRY SEISMIC TENSION LOADS (EXCEPT FOR VERTICAL SEISMIC LOAD PRODUCED BY SELF WEIGHT OF THE COMPONENTS) OR IN CRACKED CONCRETE UNLESS APPROVED FOR SUCH LOADING BY OSHPD.
10. PAF SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO FASTENER INSTALLATION.
11. PAF INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING CONCRETE REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. PAF SHALL BE INSTAL" CLEAR OF EXISTING REINFORCEMENT. THIS MAY REQUIRE NON-DESTRUCTIVE TESTING.
12. PAF SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD).
13. TESTING OF PAF SHALL BE PER 2013 CBC SECTION 1913A.7. MINIMUM CONCRETE SUBSTRATE THICKNESS IS THREE TIMES THE PAF PENETRATION INTO THE CONCRETE SUBSTRATE.
14. TESTING IS NOT REQUIRED OF PAF USED TO ATTACH TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY WHERE THERE ARE AT LEAST THREE FASTENERS.
15. TOTAL ALLOWABLE LOADS IN TENSION, SHEAR OR TENSION SHEAR COMBINATIONS SHALL NOT EXCEED 90 LBS AS PERMITTED BY EXCEPTION TO THE ASCE 7-10 SECTION 13.4.5.
16. REFER TO NOTE 6d ON CL0.00 FOR ADDITIONAL PAF REQUIREMENTS.



Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL B DECK) | CL1.13

POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS
(INSTALLED IN CONCRETE FILLED B-DECK)

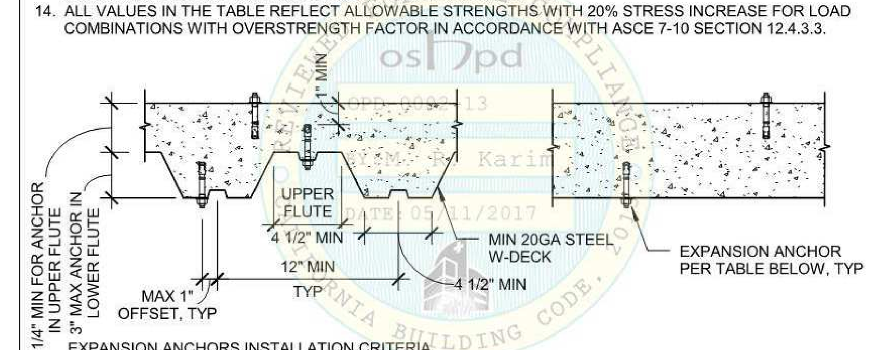
TABLE 1
POWER ACTUATED FASTENER INSTALLED TO THE UNDERSIDE OF NORMAL WEIGHT OR SAND-LIGHTWEIGHT CONCRETE THROUGH B-DECK (f'c MIN = 3000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN. EMBED (IN)	MIN. SPACING (IN)	MIN. EDGE DISTANCE (IN)	TENSION (LB) SEE NOTE 15	SHEAR (LB) (SEE NOTE 15)
0.157 MIN	1"	4"	4"	90	90

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN CONCRETE FILLED METAL B DECK) | CL1.14

EXPANSION ANCHOR GENERAL NOTES

1. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
2. ALLOWABLE STRENGTHS ARE FOR SINGLE ANCHORS WHICH MEET MIN. REQUIREMENTS IN ACCORDANCE WITH THE TABLE & SECTION BELOW.
3. MINIMUM CONCRETE STRENGTH f'c=3000 PSI.
4. EXPANSION ANCHORS INSTALLED THROUGH UPPER OR LOWER FLUTES OF METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTION BELOW.
5. STEEL DECK TO BE MIN. 20 GA. W-DECK.
6. MINIMUM CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK IN ACCORDANCE WITH THE SECTION AND INSTALLATION CRITERIA BELOW.
7. EXPANSION ANCHORS SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO ANCHOR INSTALLATION.
8. EXPANSION ANCHOR INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. EXPANSION ANCHORS SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT.
9. EXPANSION ANCHORS SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORT OR REPORT FROM OTHER TESTING AGENCY ACCEPTABLE TO OSHPD.
10. TESTING OF EXPANSION ANCHORS SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1913A.7.
11. EXPANSION ANCHORS SHALL BE INSTALLED TO COMPLY WITH THE MINIMUM SLAB THICKNESS REQUIREMENTS ESTABLISHED BY THE ICC-ESR FOR THE SPECIFIED ANCHOR.
12. REFER TO NOTE 6c ON CL0.00 FOR ADDITIONAL EXPANSION ANCHOR REQUIREMENTS.
13. ALL VALUES IN TABLES ARE FOR CRACKED CONCRETE & INCLUDE REDUCTION BASED ON ACI 318-11 SECTION D.3.3.4.4 REQUIREMENTS. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS CALCULATED USING THE ICC ESRS 1917, 2427, 2502 & 3037 AND USING AN ALLOWABLE STRENGTH CONVERSION FACTOR OF 1.4.
14. ALL VALUES IN THE TABLE REFLECT ALLOWABLE STRENGTHS WITH 20% STRESS INCREASE FOR LOAD COMBINATIONS WITH OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 SECTION 12.4.3.3.



EXPANSION ANCHORS INSTALLATION CRITERIA

	NOMINAL ANCHOR DIAMETER (IN)				
	3/8	1/2		5/8	
EFFECTIVE MIN EMBEDMENT (IN)	2	2 1/4	3 1/4	3 1/8	4
MIN MEMBER THICKNESS NWC SLAB OR BEAM ONLY (IN)	4.5	4.5	6	6	7 1/4
MIN ANCHOR SPACING (3 x EMBED) (IN)	6 3/4	6 3/4	9 3/4	9 3/8	12
MIN EDGE DISTANCE (IN)	6	7	7 1/2	6 1/2	8 3/4

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : EXPANSION ANCHOR GENERAL NOTES | CL1.20

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAi No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - SUSPENDED CEILING DETAILS, CL0.00 - CL1.20

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.09
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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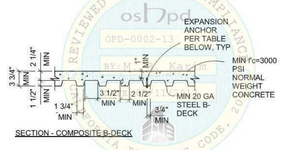
GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

EXPANSION ANCHOR GENERAL NOTES

1. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
2. ALLOWABLE STRENGTHS SHOWN IN TABLES ON CL1.23 ARE FOR SINGLE ANCHORS WHICH MEET MIN. REQUIREMENTS PER TABLE AND SECTION BELOW.
3. MINIMUM CONCRETE STRENGTH f'c = 3000 PSI.
4. EXPANSION ANCHORS INSTALLED THROUGH LOWER FLUTES OF METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTION BELOW.
5. STEEL DECK TO BE MIN 20 GA. B-DECK.
6. MINIMUM CONCRETE FILL DEPTH ABOVE THE TOP OF THE METAL DECK PER SECTION AND INSTALLATION CRITERIA BELOW.
7. EXPANSION ANCHORS SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO ANCHOR INSTALLATION.
8. EXPANSION ANCHOR INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING REINFORCEMENT. SHOULD THIS OCCUR, THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. EXPANSION ANCHORS SHALL BE INSTA' CLEAR OF EXISTING REINFORCEMENT.
9. EXPANSION ANCHORS SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORT OR REPORT FROM OTHER TESTING AGENCY ACCEPTABLE TO OSHPD.
10. TESTING OF EXPANSION ANCHORS SHALL BE PER 2013 CBC SECTION 1913A.7.
12. REFER TO NOTE 6c ON CL0.00 FOR ADDITIONAL EXPANSION ANCHOR REQUIREMENTS
13. ALL VALUES IN TABLES ARE FOR CRACKED CONCRETE & INCLUDE REDUCTION BASED ON ACI 318-11 D.3.3.4.4 REQUIREMENTS. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS CALCULATED USING THE ICC ESRS 1917 AND 2502 AND USING AN ϕ FACTOR OF 1.4.
14. ALL VALUES IN TABLE REFLECT ALLOWABLE STRENGTHS WITH 20% ALLOWABLE STRESS INCREASE FOR LOAD COMBINATIONS WITH OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 SECTION 12.4.3.3.



SECTION - COMPOSITE B-DECK

	ANCHOR DIAMETER	EFFECTIVE EMBEDMENT	MIN EDGE DISTANCE	MIN SPACING
UNDERSIDE INSTALLATION **	3/8"	2"	6"	6 3/4"
	1/2"	2"	7"	6 3/4"

** UNDERSIDE APPLICATION ONLY.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No: CL1.22

Sheet Title : EXPANSION ANCHOR GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL B DECK)

EXPANSION ANCHOR ALLOWABLE STRENGTHS

TABLE 1
EXPANSION ANCHORS INSTALLED IN TO THE UNDERSIDE OF STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'_c MIN=3000 PSI) OVER METAL DECK

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	747	604
1/2	2 1/4	1029	610
1/2	3 1/4	1173	1086
5/8	3 1/4	1353	836
5/8	4 1/4	2477	1941

TABLE 2
EXPANSION ANCHORS INSTALLED IN TO THE TOP OF STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'_c MIN=3000 PSI) OVER METAL DECK

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	806	624
1/2	2 1/4	948	660

TABLE 3
EXPANSION ANCHORS INSTALLED IN NORMAL WEIGHT CONCRETE (f'_c MIN=3000 PSI)

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	1020	961
1/2	2 1/4	1580	1101
1/2	3 1/4	2591	2003
5/8	3 1/4	2579	2150
5/8	4 1/4	3772	3113

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No: CL1.21

Sheet Title : EXPANSION ANCHOR ALLOWABLE STRENGTHS

EXPANSION ANCHOR ALLOWABLE STRENGTHS INTO B-DECK

TABLE 1
EXPANSION ANCHORS INSTALLED INTO THE UNDERSIDE OF NORMAL WEIGHT CONCRETE THROUGH B-DECK (f'c MIN = 3000 PSI)

ANCHOR DIAMETER (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8"	2	997	522
1/2"	2	1440	600

** UNDERSIDE APPLICATION ONLY. SEE NOTE ON CL1.22.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No: CL1.23

Sheet Title : EXPANSION ANCHOR ALLOWABLE STRENGTHS (INSTALLED IN CONCRETE FILLED METAL B DECK)

SHEET METAL SCREW (SMS) ALLOWABLE STRENGTHS

TABLE 1
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS.

Fy (KSI)	MIL (STEEL GA)	FASTENER SIZE: NO. 14, 0.250 IN		NO. 12, 0.216 IN		NO. 10, 0.190 IN		NO. 8, 0.164 IN		NO. 6, 0.138 IN	
		SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)
50	97 (12)	704	275	525	205	-	-	-	-	-	-
	68 (14)	704	275	525	205	405	159	-	-	-	-
	54 (16)	613	261	525	205	405	159	303	118	-	-
33	43 (18)	302	144	280	124	263	109	244	94	165	79
	33 (20)	-	-	-	-	177	84	164	72	151	61

NOTES:
1. SEE GENERAL NOTES ON CL1.30 FOR ADDITIONAL INFORMATION .
2. WHERE ONE OR TWO LAYERS OF GYP BOARD OCCURS BETWEEN STEEL SURFACES, THE ALLOWABLE VALUES OF TABLE 2 & 3 SHALL BE USED.
3. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. THE RDP IN RESPONSIBLE CHARGE OF THE PROJECT SHALL PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

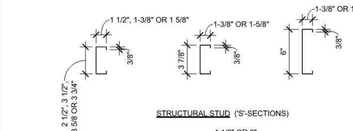
TABLE 2 - NON-PRYING CONDITION
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS.
WITH ONE LAYER OF 5/8" GYP BOARD BETWEEN STEEL SURFACES.

Fy (KSI)	MIL (STEEL GA)	FASTENER SIZE: NO. 14, 0.250 IN		NO. 12, 0.216 IN		NO. 10, 0.190 IN		NO. 8, 0.164 IN		NO. 6, 0.138 IN	
		SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)
50	97 (12)	226	275	180	205	-	-	-	-	-	-
	68 (14)	226	275	180	205	140	159	-	-	-	-
	54 (16)	226	261	180	205	140	159	120	118	-	-
33	43 (18)	226	144	180	124	140	109	120	94	60	79
	33 (20)	-	-	-	-	100	84	80	72	60	61

NOTES:
1. SEE GENERAL NOTES ON CL1.30 FOR ADDITIONAL INFORMATION .
2. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. THE RDP IN RESPONSIBLE CHARGE OF THE PROJECT SHALL PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No: CL1.31

Sheet Title : SHEET METAL SCREW ALLOWABLE STRENGTHS - PAGES 1 OF 2



STRUCTURAL STUD ('S'-SECTIONS)

STRUCTURAL TRACK ('T'-SECTIONS)

DESIGNATION THICKNESS (MILS)	REFERENCE ONLY GAUGE NO.
18	25
27	22
33	20
43	18
54	16
68	14
97	12
118	10

NOTE:
1. F_y = 50KSI FOR 54 MIL (16GA) & THICKER SECTIONS, AND F_y = 33KSI FOR SECTIONS UP TO & INCLUDING 43 MI (18GA).
2. SIZE AND THICKNESS ARE CONSIDERED MINIMUMS.
3. STRUCTURAL STUDS SHALL NOT BE PUNCHED UNLESS NOTED OTHERWISE.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No: CL1.40

Sheet Title : METAL STUD PROFILES

SHEET METAL SCREW (SMS) GENERAL NOTES

1. THE ALLOWABLE STRENGTHS ARE BASED UPON THE AISI S100-07/S2-10 AND ARE LIMITED BY ACTUAL TESTED STRENGTH OF THE SCREWS IN TENSION AND SHEAR.
2. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE AVERAGE TESTED TENSILE AND SHEAR STRENGTHS TABULATED FROM ICC ESR'S 1976, 2196, 1730, 1408, AND THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA). FASTENER TYPES AND SIZES APPLY TO NON-PROPRIETARY FASTENER TYPES AND SIZES, AND DOES NOT ENDORSE A SPECIFIC MANUFACTURER. WHERE PROPRIETARY FASTENERS ARE SPECIFIED, NO EXCEPTIONS ARE TAKEN TO THE USE OF MANUFACTURER SPECIFIC VALUES THAT ARE BASED UPON THE AISI S100-07/S2-10, SECTION E4. ALL SCREW FASTENERS SHALL SATISFY ICC-ES AC118-ACCEPTANCE CRITERIA FOR SELF TAPPING SCREW FASTENERS.
3. TABLE 1 REPRESENTS ALLOWABLE TENSION AND SHEAR STRENGTHS FOR NON-PROPRIETARY SHEET METAL SCREWS FOR STEEL TO STEEL CONNECTIONS.
4. TABLES 2 AND 3 REPRESENT ALLOWABLE TENSION AND SHEAR STRENGTHS THAT INCORPORATE THE EFFECTS OF EITHER ONE (1) OR TWO (2) LAYERS OF 5/8" GYPSUM BOARD BETWEEN FASTENER HEAD AND CONNECTING STEEL MATERIAL.
5. IN ORDER TO USE THE VALUES IN TABLES 1, 2, AND 3, THE ATTACHMENTS SHALL BE DETAILED IN SUCH A WAY AS TO AVOID PRYING AND THE STUDS MUST BE STABILIZED WITH FULL-DEPTH BLOCKING WITH CONTINUOUS STRAPS ALONG THE FLANGES OR WITH BACKING BARS.
6. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHOULD NOT BE LESS THAN THREE (3) EXPOSED THREADS.
7. STEEL THICKNESSES JOINED ARE ASSUMED TO BE THE SAME. IF DISSIMILAR THICKNESSES ARE BEING CONNECTED, THE VALUE FOR THE THINNER PART JOINED SHALL BE USED.
8. THE MINIMUM SPACING BETWEEN CENTERS OF FASTENERS SHALL NOT BE LESS THAN 3 X FASTENER DIAMETER. THE MINIMUM EDGE DISTANCE FROM THE CENTER OF A FASTENER TO THE EDGE OF ANY PART SHALL NOT BE LESS THAN 1.5 X FASTENER DIAMETER. WHERE THE END DISTANCE IS PARALLEL TO THE FORCE ON THE FASTENER, THE NOMINAL SHEAR STRENGTH SHALL BE LIMITED BY SECTION E4.3.2 OF THE AISI S100-07/S2-10.
9. GALVANIZED METAL STUDS, TRACK AND SHEET STEEL SHALL CONFORM TO ASTM A653-09a MATERIAL (OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN THE AISI S100-07/S2-10, SECTION A2.1) WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GA) AND LIGHTER, AND MINIMUM YIELD STRENGTH OF 50 KSI FOR 54 MIL (16 GA) & HEAVIER.
10. WHERE VALUES ARE NOT GIVEN, SUCH COMBINATIONS OF SCREW SIZES & MATERIAL THICKNESS ARE NOT RECOMMENDED.
11. IF THE ATTACHMENT DETAILS RESULT IN PRYING WITH A MOMENT ARM NOT TO EXCEED 1 5/8", THE VALUES IN TABLE 4 MAY BE USED. IF THE ATTACHMENT DETAILS RESULT IN PRYING WITH A MOMENT ARM THAT EXCEEDS 1 5/8", THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THE PROJECT SHALL DETERMINE THE ALLOWABLE VALUES AND SUBMIT SUBSTANTIATION FOR THEM TO OSHPD FOR REVIEW.
12. INTERACTION OF SHEAR AND TENSION SHALL BE BASED ON $T/T_{ALL} + V/V_{ALL} \leq 1.0$.
13. REFER TO NOTE 6A ON CL0.00 FOR ADDITIONAL SHEET METAL SCREW REQUIREMENTS.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No: CL1.30

Sheet Title : SHEET METAL SCREW GENERAL NOTES

SHEET METAL SCREW (SMS) ALLOWABLE STRENGTHS (CONTINUED)

TABLE 3 - NON-PRYING CONDITION
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS WITH TWO LAYERS OF 5/8" GYP BOARD BETWEEN STEEL SURFACES .

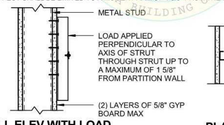
Fy (KSI)	MIL (STEEL GA)	FASTENER SIZE: NO. 14, 0.250 IN		NO. 12, 0.216 IN		NO. 10, 0.190 IN		NO. 8, 0.164 IN		NO. 6, 0.138 IN	
		SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)
50	97 (12)	166	275	130	205	-	-	-	-	-	-
	68 (14)	166	275	130	205	100	159	-	-	-	-
	54 (16)	166	261	130	205	100	159	80	118	-	-
33	43 (18)	166	144	130	124	100	109	80	94	50	79
	33 (20)	-	-	-	-	70	84	50	72	40	61

NOTES:
1. SEE GENERAL NOTES ON CL1.30 FOR ADDITIONAL INFORMATION .
2. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. THE RDP IN RESPONSIBLE CHARGE TO PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

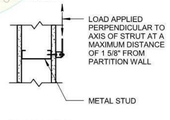
TABLE 4 - PRYING CONDITION (SEE DETAILS BELOW - STRUT CAN BE HORIZONTAL OR VERTICAL)
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS WITH ONE OR TWO LAYERS OF 5/8" GRP BOARD BETWEEN STEEL SURFACES AND MAXIMUM PRYING MOMENT ARM OF 1 5/8"

Fy (KSI)	MIL (STEEL GA)	FASTENER SIZE: NO. 14, 0.250 IN		NO. 12, 0.216 IN		NO. 10, 0.190 IN		NO. 8, 0.164 IN		NO. 6, 0.138 IN	
		SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)
50	97 (12)	40	275	30	205	-	-	-	-	-	-
	68 (14)	40	275	30	205	25	159	-	-	-	-
	54 (16)	40	261	30	205	25	159	20	118	-	-
33	43 (18)	40	144	30	124	25	109	20	94	10	79
	33 (20)	-	-	-	-	15	84	15	72	10	61

NOTES:
1. SEE GENERAL NOTES ON CL1.30 FOR ADDITIONAL INFORMATION.
2. ALLOWABLE STRENGTH VALUES LISTED IN TABLE 4 ARE BASED UPON A LIMITED TEST ASSEMBLY WHERE THE ORIGIN AND DIRECTION OF THE LOAD RESULTS IN PRYING UPON THE FASTENER. THE MAGNITUDE OF THIS PRYING EFFECT SHALL BE LIMITED TO A MOMENT ARM OF 1 5/8" FROM THE FASTENER.



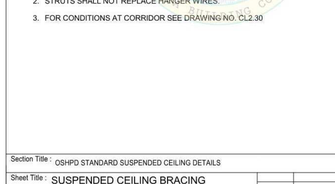
WALL ELEV WITH LOAD APPLIED THROUGH STRUT



PLAN VIEW

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No: CL1.32

Sheet Title : SHEET METAL SCREW ALLOWABLE STRENGTHS - PAGES 2 OF 2



NOTES:
1. SEE SUSPENDED CEILING NOTES #13 & #14 ON CL0.02
2. STRUTS SHALL NOT REPLACE HANGER WIRES.
3. FOR CONDITIONS AT CORRIDOR SEE DRAWING NO. CL2.30

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No: CL2.10

Sheet Title : SUSPENDED CEILING BRACING ASSEMBLY

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — KEVIN YAMAUCHI — C-26566 — 02-28-2025 RENEWAL DATE — STATE OF CALIFORNIA

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THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCA No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - SUSPENDED CEILING DETAILS, CL1.21 - CL2.21

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.10
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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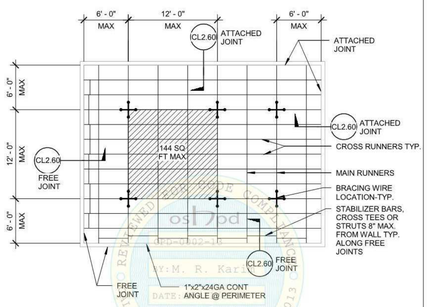
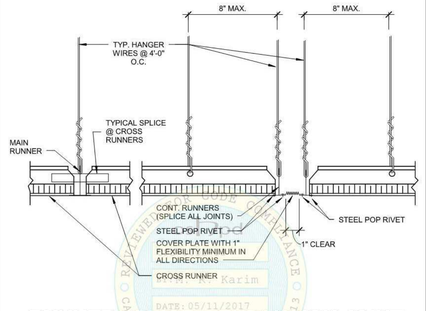


NOTES:

1. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 144 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT.
2. RDP MAY ELECT TO SPECIFY TIGHTER SPACING AND COMP. STRUTS TO ALLOW SMALLER ANCHORS PER SCHEDULES ON SHEETS CL4.31 & CL6.60.

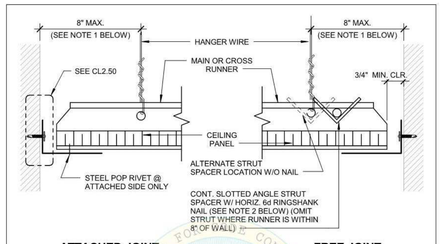
Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : TYPICAL CEILING PLAN FOR $S_{DS} \leq 1.15$ AND z/h <= 1.0 | CL2.22



RUNNER SPLICE EXPANSION JOINT

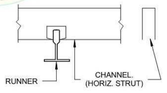
EXPANSION JOINT AT INTERSECTION OF CORRIDORS, JUNCTIONS OF CORRIDORS AND LOBBIES, SIMILAR AREAS AND CEILING OVER 2500 SFT

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : SUSPENDED ACOUSTICAL CEILING - EXPANSION JOINT AT INTERSECTIONS | CL2.40



ATTACHED JOINT **FREE JOINT**

1. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.
2. NAILS AT ENDS OF HORIZONTAL STRUTS ARE TO BE PLACED WITH NAIL HEAD TOWARD CENTER LINE OF SPAN OF STRUT.
3. SPACERS MAY BE SLOTTED APPROVED ANGLES OR CHANNELS WITH "DIAMOND POINTS" OF SPRING STEEL WHICH SNAP TIGHT TO PREVENT MOVEMENT OF STRUT.
4. STEEL POP RIVETS SHALL HAVE MINIMUM ALLOWABLE SHEAR STRENGTH OF 120# AND ULTIMATE SHEAR STRENGTH OF 300#.

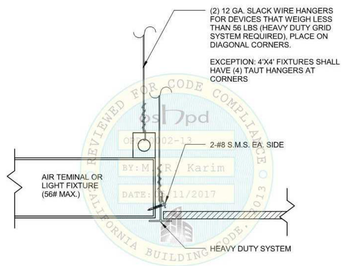


APPROVED SPACER

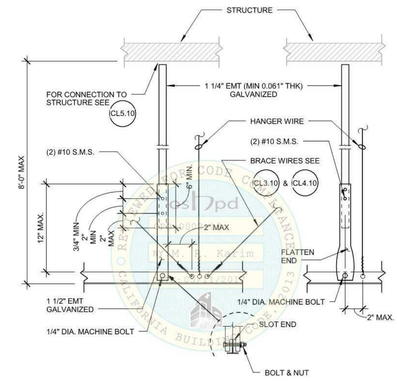
Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : CEILING PERIMETER INCLUDING NON-EXITWAY CORRIDORS | CL2.60

NOTES:

1. SEE GENERAL NOTE #15 ON CL0.03



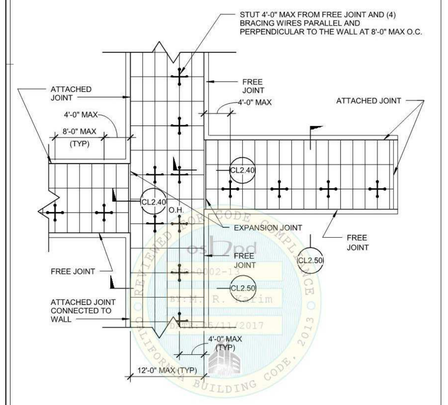
Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : SUSPENDED ACOUSTICAL CEILING - LIGHT FIXTURES/ AIR TERMINAL SUPPORT DETAIL | CL2.80



OPTION 1 **OPTION 2**

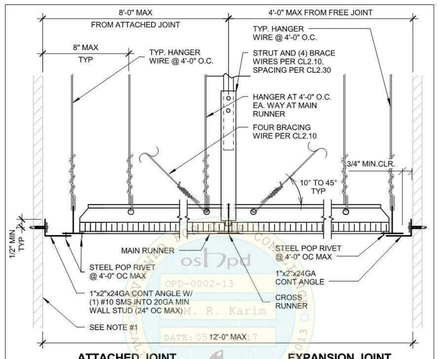
SEE OPTION 1 FOR INFORMATION NOT SHOWN

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : SUSPENDED ACOUSTICAL CEILING - TUBE TYPE STRUT | CL3.20



LOCATION OF EXPANSION/SLIP JOINTS IN CORRIDORS

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : SUSPENDED ACOUSTICAL CEILING- CORRIDOR CEILING PLAN | CL2.30



ATTACHED JOINT **EXPANSION JOINT**

ACCEPTABLE EXITWAY DETAILS

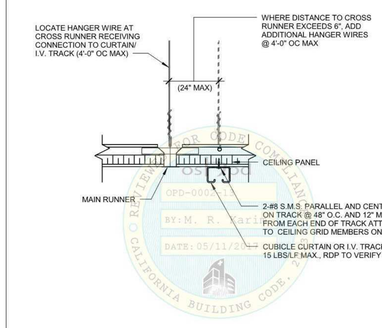
NOTES:

1. PERIMETER WALLS SHALL BE DESIGNED TO CARRY TRIBUTARY LATERAL FORCES PER TABLE BELOW. RDP TO VERIFY. RDP TO SPECIFY CONNECTION OF BACKING TO STUDS

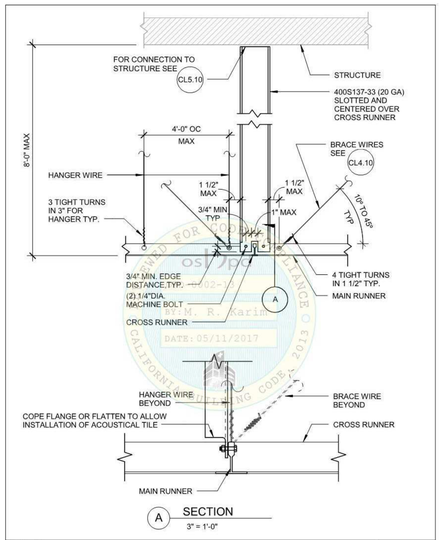
S_{DS}	Fp
$S_{DS} \leq 1.15$	9.3 plf
$1.15 < S_{DS} \leq 1.73$	14.0 plf
$1.73 < S_{DS} \leq 2.50$	20.9 plf

2. SEISMIC BRACING WIRES AND STRUTS IN ACCORDANCE WITH PAGES CL2.20, CL2.21, AND CL2.22 SHALL BE PERMITTED IN LIEU OF DESIGNING PERIMETER WALLS FOR SEISMIC FORCES AND BRACING SYSTEM SHOWN ON PAGE CL2.30 AND THIS PAGE.
3. STEEL POP RIVET SHALL HAVE MINIMUM ALLOWABLE SHEAR STRENGTH OF 120# AND ULTIMATE SHEAR STRENGTH OF 300#.

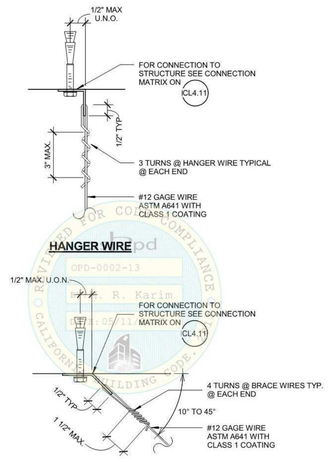
Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : TYPICAL CEILING SECTION AT EXITWAY CORRIDORS | CL2.50



Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : SUSPENDED ACOUSTICAL CEILING - CUBICLE CURTAIN I.V. TRACK | CL2.70



Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : SUSPENDED ACOUSTICAL CEILING - CHANNEL TYPE STRUT | CL3.10



BRACING WIRE

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title : HANGER AND BRACING WIRE CONNECTION - TYPICAL WIRE TURNS | CL4.10

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Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEVIN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

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THIS ISSUE:	ISSUED FOR	Date

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Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - SUSPENDED CEILING DETAILS, CL2.22 - CL4.10

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.11
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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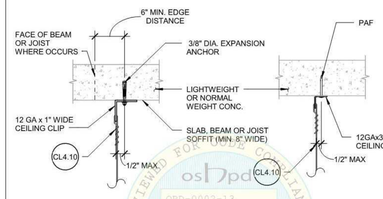
STRUCTURAL CONDITION OF FLOOR/ ROOF ABOVE SUSPENDED CEILING	APPLICABLE HANGER WIRE DETAIL	APPLICABLE BRACING WIRE DETAIL
CONCRETE OVER METAL DECK	CL4.21	CL4.31
CONCRETE SLAB, BEAM, OR JOIST	CL4.22	CL4.32
STRUCTURAL STEEL	CL4.23	CL4.33
~~SAWN TIMBER~~	~~CL4.24~~	~~CL4.34~~
METAL STUD WALL	CL4.25	CL4.35

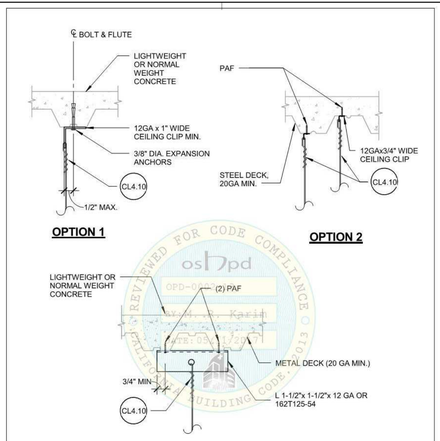
Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No: CL4.11
Sheet Title: HANGER AND BRACING WIRE CONNECTION MATRIX



NOTES:

1. LOAD TEST IN ACCORDANCE WITH GENERAL NOTE 14(g), PAGE CL0.02 SHALL BE REQUIRED
2. PRIOR TO INSTALLATION, REINFORCING/PRESTRESSING BAR LOCATIONS SHALL BE DETERMINED BY NON-DESTRUCTIVE TESTING
3. REFER TO CL4.10 FOR ADDITIONAL DETAILS

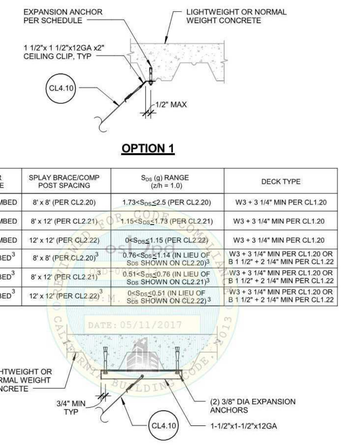
Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No: CL4.22
Sheet Title: HANGER WIRE CONNECTION TO CONCRETE SLAB, BEAM, OR JOIST



NOTES:

1. LOAD TEST IN ACCORDANCE WITH GENERAL NOTE 14(g), PAGE CL0.02 SHALL BE REQUIRED
2. REFER TO CL4.10 FOR ADDITIONAL DETAILS

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No: CL4.21
Sheet Title: HANGER WIRE CONNECTION TO CONCRETE OVER METAL DECK

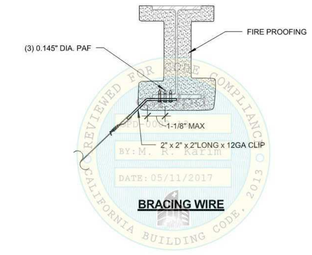


ANCHOR BOLT SIZE	SPLAY BRACE/COMP POST SPACING	S_{DS} (g) RANGE (z/h = 1.0)	DECK TYPE
5/8 x 4 1/4" EMBED	8' x 8' (PER CL2.20)	$1.73<S_{DS}\leq 2.5$ (PER CL2.20)	W3 + 3 1/4" MIN PER CL1.20
5/8 x 4 1/4" EMBED	8' x 12' (PER CL2.21)	$1.15<S_{DS}\leq 1.73$ (PER CL2.21)	W3 + 3 1/4" MIN PER CL1.20
5/8 x 4 1/4" EMBED	12' x 12' (PER CL2.22)	$0<S_{DS}\leq 1.15$ (PER CL2.22)	W3 + 3 1/4" MIN PER CL1.20
3/8 x 2" EMBED[3]	8' x 8' (PER CL2.20)[3]	$0.76<S_{DS}\leq 1.14$ (IN LIEU OF S_{DS} SHOWN ON CL2.20)[3]	W3 + 3 1/4" MIN PER CL1.20 OR B 1 1/2" + 2 1/4" MIN PER CL1.22
3/8 x 2" EMBED[3]	8' x 12' (PER CL2.21)[3]	$0.51<S_{DS}\leq 0.76$ (IN LIEU OF S_{DS} SHOWN ON CL2.21)[3]	W3 + 3 1/4" MIN PER CL1.20 OR B 1 1/2" + 2 1/4" MIN PER CL1.22
3/8 x 2" EMBED[3]	12' x 12' (PER CL2.22)[3]	$0<S_{DS}\leq 0.51$ (IN LIEU OF S_{DS} SHOWN ON CL2.22)[3]	W3 + 3 1/4" MIN PER CL1.20 OR B 1 1/2" + 2 1/4" MIN PER CL1.22

NOTES:

1. LOAD TEST IN ACCORDANCE WITH GENERAL NOTE 14(g), PAGE CL0.02 SHALL BE REQUIRED
2. REFER TO CL4.10 FOR ADDITIONAL DETAILS
3. RDP CAN USE SMALLER EXPANSION BOLT SIZE AND SHALLOWER EMBEDMENT DEPTH SHOWN, PROVIDED VERTICAL STRUT/BRACING WIRE SPACING IS REDUCED AS SHOWN, IN LIEU OF SPACINGS SHOWN ON CL2.20, CL2.21, AND CL2.22.

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No: CL4.31
Sheet Title: BRACING WIRE CONNECTION TO CONCRETE OVER METAL DECK



NOTES:

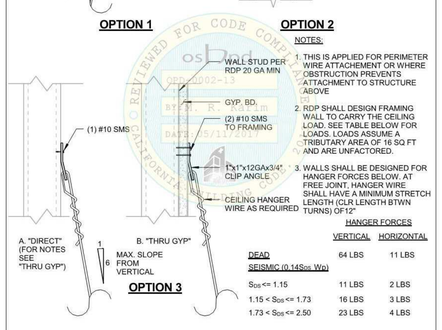
1. BEAM FLANGE THICKNESS SHALL NOT BE LESS THAN 3/16" OR MORE THAN 3/8"
2. FRAMING MEMBERS SHALL BE DESIGNED TO CARRY THE CEILING LOADS, RDP TO VERIFY
3. RDP IN RESPONSIBLE CHARGE, I.O.R. AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No: CL4.33
Sheet Title: BRACING WIRE CONNECTION TO STRUCTURAL STEEL

NOTES :

1. BEAM FLANGE THICKNESS SHALL NOT BE LESS THAN 3/16" OR MORE THAN 3/8"
2. FRAMING MEMBERS SHALL BE DESIGNED TO CARRY THE CEILING LOADS, RDP TO VERIFY
3. RDP IN RESPONSIBLE CHARGE, I.O.R. AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No: CL4.23
Sheet Title: HANGER WIRE CONNECTION TO STRUCTURAL STEEL



NOTES:

1. THIS IS APPLIED FOR PERIMETER WIRE ATTACHEMENT OR WHERE OBSTRUCTION PREVENTS ATTACHMENT TO STRUCTURE ABOVE
2. RDP SHALL DESIGN FRAMING WALL TO CARRY THE CEILING LOAD. SEE TABLE BELOW FOR LOADS. LOADS ASSUME A TRIBUTARY AREA OF 16 SQ FT AND ARE UNFACTORED.
3. WALLS SHALL BE DESIGNED FOR HANGER FORCES BELOW, AT FREE JOINT. HANGER WIRE SHALL HAVE A MINIMUM STRETCH LENGTH (CLR LENGTH BTWN TURNS) OF 12"

	HANGER FORCES VERTICAL	HORIZONTAL
DEAD	64 LBS	11 LBS
SEISMIC (0.14S_{DS} Wp)		
S_{DS} <= 1.15	11 LBS	2 LBS
1.15 < S_{DS} <= 1.73	16 LBS	3 LBS
1.73 < S_{DS} <= 2.50	23 LBS	4 LBS

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No: CL4.25
Sheet Title: HANGER WIRE CONNECTION TO METAL STUD WALL

ANCHOR BOLT SIZE	SPLAY BRACE/COMP POST SPACING	S_{DS} (g) RANGE (z/h = 1.0)
5/8 x 4 1/4" EMBED	8'x8' (PER CL2.20)	$1.73<S_{DS}\leq 2.5$ (PER CL2.20)
5/8 x 4 1/4" EMBED	8'x12' (PER CL2.21)	$1.15<S_{DS}$ ≤1.73 (PER CL2.21)
5/8 x 4 1/4" EMBED	12'x12' (PER CL2.22)	$0<S_{DS}$ ≤1.15 (PER CL2.22)
3/8 x 2" EMBED[3]	8'x8' (PER CL2.20)[3]	$1.24<S_{DS}\leq 1.86$ (IN LIEU OF S_{DS} SHOWN ON CL2.20)[3]
3/8 x 2" EMBED[3]	8'x12' (PER CL2.21)[3]	$0.83<S_{DS}\leq 1.24$ (IN LIEU OF S_{DS} SHOWN ON CL2.21)[3]
3/8 x 2" EMBED[3]	12'x12' (PER CL2.22)[3]	$0<S_{DS}$ ≤0.83 (IN LIEU OF S_{DS} SHOWN ON CL2.22)[3]

NOTES:

1. LOAD TEST IN ACCORDANCE WITH GENERAL NOTE 14(g), PAGE CL0.02 SHALL BE REQUIRED.
2. REFER TO CL4.10 FOR ADDITIONAL DETAILS.
3. RDP CAN USE SMALLER EXPANSION BOLT SIZE AND SHALLOWER EMBEDMENT DEPTH SHOWN, PROVIDED VERTICAL STRUT/BRACING WIRE SPACING IS REDUCED AS SHOWN, IN LIEU OF SPACINGS SHOWN ON CL2.20, CL2.21, AND CL2.22.

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No: CL4.32
Sheet Title: BRACING WIRE CONNECTION TO CONCRETE SLAB, BEAM, OR JOIST

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT RAY YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

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HCAI No.: S241013-34-00
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Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - SUSPENDED CEILING DETAILS, CL4.11 - CL4.32

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.12
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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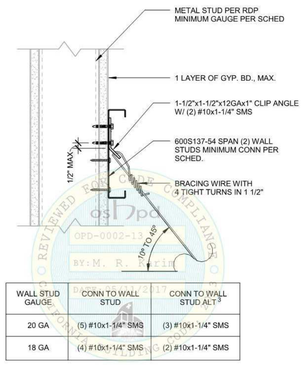
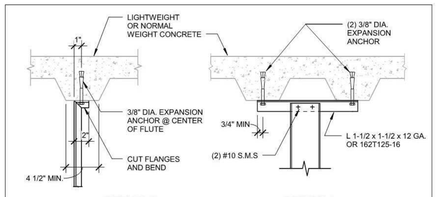


WALL STUD GAUGE	CONN TO WALL STUD	CONN TO WALL STUD ALT 3
20 GA	(5) #10x1-1/4" SMS	(3) #10x1-1/4" SMS
18 GA	(4) #10x1-1/4" SMS	(2) #10x1-1/4" SMS

NOTES:

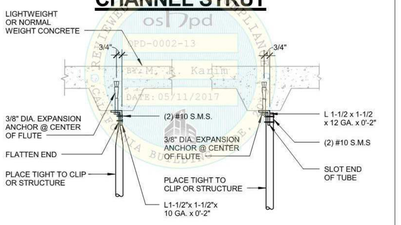
1. RDP SHALL DESIGN FRAMING WALL TO CARRY THE CEILING LOAD PER NOTE #2.
2. SEISMIC BRACE WIRE FORCE = 473 LBS (LRFD LOAD). BRACING WIRE SHALL HAVE A MINIMUM STRETCH LENGTH (CLR LENGTH BTWN TURNS) OF 12", WHEN USED AT FREE JOINT.
3. APPLIES WHERE CLIP ATTACHED DIRECTLY TO WALL STUD.

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title: BRACING WIRE CONNECTION TO METAL STUD WALL | CL4.35



OPTION 1 **OPTION 2**

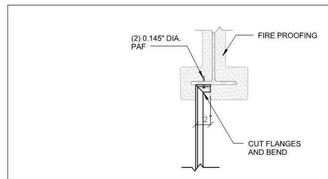
CHANNEL STRUT



OPTION 1 **OPTION 2**

TUBE STRUT

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title: STRUT CONNECTION TO CONCRETE OVER METAL DECK | CL5.20



CHANNEL STRUT

OPTION 1 **OPTION 2**

TUBE STRUT

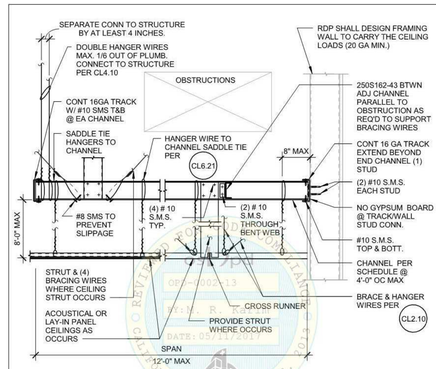
NOTES:

1. STRUCTURAL STEEL MEMBER SHALL HAVE A MINIMUM FLANGE THICKNESS OF 3/16" AND MAXIMUM OF 3/8".
2. FRAMING MEMBERS MUST BE DESIGNED TO CARRY THE CEILING LOADS, RDP TO VERIFY.
3. RDP IN RESPONSIBLE CHARGE, I.O.R. AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER. SEE ANSI/AISC 341-10.
4. SEE PAGES CL5.20 & CL5.30 FOR ADDITIONAL INFORMATION.

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title: STRUT CONNECTION TO STRUCTURAL STEEL | CL5.40

STRUCTURAL CONDITION OF FLOOR / ROOF ABOVE STRUT	APPLICABLE DETAIL
CONCRETE OVER METAL DECK	CL5.20
CONCRETE SLAB, BEAM, OR JOIST	CL5.30
STRUCTURAL STEEL	CL5.40
SAWN TIMBER WITH GYPSUM BOARD	CL5.50
SAWN TIMBER WITHOUT GYPSUM BOARD	CL5.60

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title: STRUT CONNECTION - CONNECTION MATRIX | CL5.10

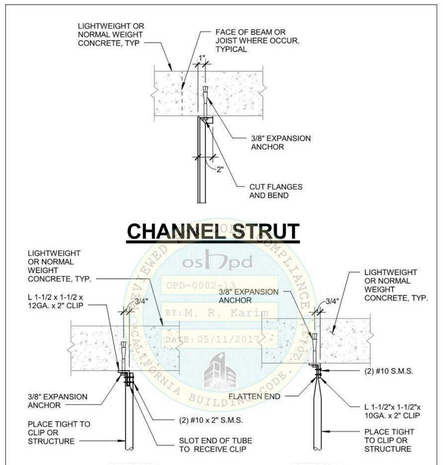


WALL WHERE OCCURS

DBL. SECTION

SPAN	SECTION
4'-0"	250S162-43
8'-0"	400S162-54
12'-0"	(2) 400S162-54

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title: OBSTRUCTION-BRIDGE AT LARGE OFFSET CONDITION | CL6.20

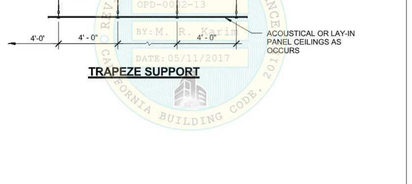


OPTION 1 **OPTION 2**

CHANNEL STRUT

TUBE STRUT

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title: STRUT CONNECTION TO CONCRETE SLAB, BEAM, JOIST SOFFIT | CL5.30



TRAPEZE SUPPORT

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title: OBSTRUCTION - TRAPEZE CONDITION | CL6.10

SADDLE TIE AT MAIN RUNNER TO HANGER WIRE

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS | OPD No:
Sheet Title: SADDLE TIE DETAIL | CL6.21

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Office of Statewide Hospital Planning and Development
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Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - SUSPENDED CEILING DETAILS, CL4.35 - CL6.21

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UCDMC Proiect Mgr. STANDARDS COMITTEE	Scale:	A10.13
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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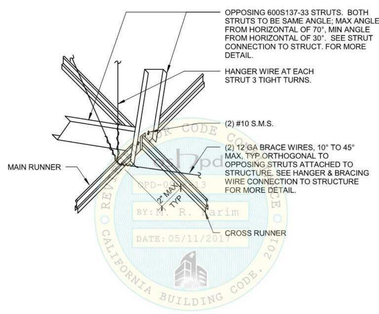
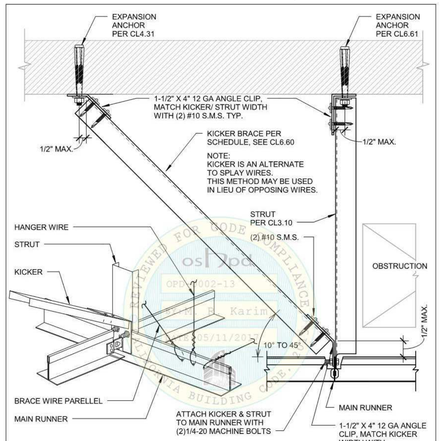


OPPOSING STRUT FOR CEILING

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS			OPD No:
Sheet Title : OBSTRUCTION-COUNTER SLOPING STRUTS			CL6.30



ISOMETRIC VIEW **SIDE VIEW**

T-BAR CEILING - WIRE OBSTRUCTION DETAIL W/ STUD KICKER, LESS BRACING WIRES, TO DECK.

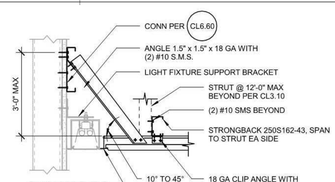
Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS			OPD No:
Sheet Title : OBSTRUCTION-STUD KICKER TO OVERHEAD			CL6.50

ANCHOR BOLT SIZE	SPLAY BRACE/COMP POST SPACING	SDS (g) RANGE ($z/h = 1.0$)	DECK TYPE
5/8 x 4 1/4" EMBED	8' x 8' (PER CL2.20)	$1.73<S_{DS}\leq 2.5$ (PER CL2.20)	W3 + 3 1/4" MIN PER CL1.20
5/8 x 4 1/4" EMBED	8' x 12' (PER CL2.21)	$1.15<S_{DS}\leq 1.73$ (PER CL2.21)	W3 + 3 1/4" MIN PER CL1.20
5/8 x 4 1/4" EMBED	12' x 12' (PER CL2.22)	$0<S_{DS}\leq 1.15$ (PER CL2.22)	W3 + 3 1/4" MIN PER CL1.20
3/8 x 2" EMBED[1]	8' x 8' (PER CL2.20)[1]	$0.90<S_{DS}\leq 1.35$ (IN LIEU OF SHOWN ON CL2.20)[1]	W3 + 3 1/4" MIN PER CL1.20 OR B 1 1/2" + 2 1/4" MIN PER CL1.22
3/8 x 2" EMBED[1]	8' x 12' (PER CL2.21)[1]	$0.60<S_{DS}\leq 0.90$ (IN LIEU OF S_{DS} SHOWN ON CL2.21)[1]	W3 + 3 1/4" MIN PER CL1.20 OR B 1 1/2" + 2 1/4" MIN PER CL1.22
3/8 x 2" EMBED[1]	12' x 12' (PER CL2.22)[1]	$0<S_{DS}\leq 0.60$ (IN LIEU OF S_{DS} SHOWN ON CL2.22)[1]	W3 + 3 1/4" MIN PER CL1.20 OR B 1 1/2" + 2 1/4" MIN PER CL1.22

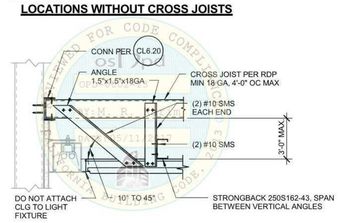
NOTE:

1. RDP CAN USE SMALLER EXPANSION BOLT SIZE AND SHALLOWER EMBEDMENT DEPTH SHOWN, PROVIDED VERTICAL STRUT/BRACING WIRE SPACING IS REDUCED AS SHOWN, IN LIEU OF SPACINGS SHOWN ON CL2.20, CL2.21, AND CL2.22.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS			OPD No:
Sheet Title : OBSTRUCTION-STUD KICKER TO WALL - PAGE 2 OF 2			CL6.61



LOCATIONS WITHOUT CROSS JOISTS

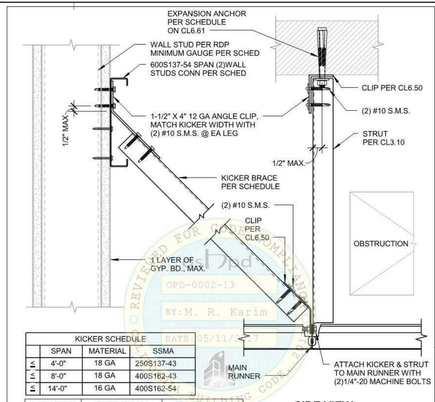


LOCATIONS WITH CROSS JOISTS

NOTES:

1. RDP SHALL VERIFY CROSS JOIST, STRONGBACK, STRUT, BRACE, AND SUPPORTING WALL
2. DETAILS IN THIS PAGE ARE ONLY PERMITTED AT THE ATTACHED END OF THE CEILING AND ARE NOT PERMITTED AT THE FREE JOINT.
3. ALL BRACING AND HANGER WIRES PER CL3.10 REQUIRED.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS			OPD No:
Sheet Title : OBSTRUCTION-RECESSED LIGHT AT PERIMETER			CL6.40



KICKER SCHEDULE			
	SPAN	MATERIAL	SSMA
KS1	4'-0"	18 GA	250S137-43
KS2	8'-0"	18 GA	400S162-43
KS3	14'-0"	16 GA	400S162-54

WALL STUD GAUGE	CONN TO WALL STUD	CONN TO WALL STUD ALT [3]
20 GA	(5) #10x1-1/4" SMS	(3) #10x1-1/4" SMS
18 GA	(4) #10x1-1/4" SMS	(2) #10x1-1/4" SMS

SIDE VIEW

NOTE:
1. KICKER BRACING IS AN ALTERNATE TO BRACING WIRES. THIS METHOD MAY BE USED IN LIEU OF OPPOSING WIRES AT ATTACHED JOINT ONLY. NOT PERMITTED AT FREE JOINT
2. RDP SHALL DESIGN FRAMED WALLS TO CARRY THE CEILING LOADS
3. APPLIES WHERE CLIP ATTACHED DIRECTLY TO WALL STUD.

T-BAR CEILING - WIRE OBSTRUCTION DETAIL W/ STUD KICKER, LESS BRACING WIRES, TO WALL

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS			OPD No:
Sheet Title : OBSTRUCTION-STUD KICKER TO WALL - PAGE 1 OF 2			CL6.60

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Sheet Title: OPD - SUSPENDED CEILING DETAILS, CL6.30 - CL6.61

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. A10.14
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" (0, 5', 50') | 1/8" = 1'-0" (0, 5', 25') | 1/4" = 1'-0" (0, 1', 12') | 1/2" = 1'-0" (0, 1', 6') | 3/4" = 1'-0" (0, 4') | 1" = 1'-0" (0, 1', 3') | 1 1/2" = 1'-0" (0, 2') | 3" = 1'-0" (0, 1')

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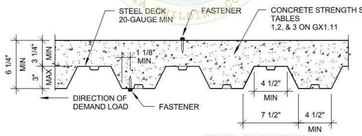
POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE OVER METAL DECK OR CONC SLAB)

1. POWER ACTUATED FASTENER (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF).
2. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
3. ALLOWABLE STRENGTHS ARE FOR A SINGLE FASTENER WHICH MEET REQUIREMENTS IN SECTIONS BELOW AND TABLES ON GX1.11. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN THE ICC ESRS 1799, 2024, 2138 & 2269.
4. MINIMUM CONCRETE STRENGTH f'_c=2000 PSI FOR NORMAL WEIGHT CONCRETE AND f'_c =3000 PSI FOR ALL LIGHT WEIGHT CONCRETE UNLESS OTHERWISE NOTED.
5. POWER ACTUATED FASTENER INSTALLED THROUGH LOW FLUTES OF THE METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTIONS BELOW.
6. MINIMUM EDGE DISTANCE OF 1 1/8" FROM THE EDGE OF METAL DECK WEB AND 4" FROM THE EDGE OF THE DECK.
7. STEEL DECK TO BE A MINIMUM OF 20GA.
8. CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK SHALL BE A MINIMUM OF 3 1/4" LIGHT WEIGHT CONCRETE.
9. PAF SHALL NOT BE USED TO RESIST SEISMIC SHEAR FORCES EXCEPT AT INTERIOR NON-LOAD BEARING, NON-SHEAR WALL PARTITION WALLS (AS PERMITTED BY 2013 CBC SECTION 1908A.1.1) AND COMPONENTS EXEMPT FROM CONSTRUCTION DOCUMENT REVIEW BY 2013 CBC SECTION 1616A.1.18 (NOT PERMITTED TO TAKE SEISMIC SHEAR BY ICC-ES AC70 FOR ANY OTHER CONDITIONS). PAF SHALL NOT BE USED TO CARRY SEISMIC TENSION LOADS (EXCEPT FOR VERTICAL SEISMIC LOAD PRODUCED BY SELF WEIGHT OF THE COMPONENTS) OR IN CRACKED CONCRETE UNLESS APPROVED FOR SUCH LOADING BY OSHPD.
10. PAF SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND AND REINFORCEMENT PRIOR TO FASTENER INSTALLATION.
11. PAF INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING CONCRETE REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. PAF SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT. THIS MAY REQUIRE NON-DESTRUCTIVE TESTING.
12. PAF SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD).
13. TESTING OF PAF SHALL BE PER 2013 CBC SECTION 1913A.7. MINIMUM CONCRETE SUBSTRATE THICKNESS IS THREE TIMES THE PAF PENETRATION INTO THE CONCRETE SUBSTRATE.
14. TESTING IS NOT REQUIRED OF PAF USED TO ATTACH TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY WHERE THERE ARE AT LEAST THREE FASTENERS.
15. TOTAL ALLOWABLE LOADS IN TENSION, SHEAR OR TENSION SHEAR COMBINATIONS SHALL NOT EXCEED 90 LBS AS PERMITTED BY EXCEPTION TO ASCE 7-10 SECTION 13.4.5.
16. REFER TO NOTE 6d ON CG0.00 FOR ADDITIONAL PAF REQUIREMENTS.



SECTION - COMPOSITE DECK

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.10
Sheet Title: POWER ACTUATED FASTENER (PAF) IN CONCRETE OVER METAL DECK OR CONCRETE SLAB - PAGE 1 OF 2

POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN STEEL)

1. MINIMUM STEEL TENSILE STRENGTH F_u =58KSI
2. MINIMUM SPACING 1 INCH.
3. MINIMUM EDGE DISTANCE 1/2 INCH.
4. USE KNURLED SHANK.
5. POWER ACTUATED FASTENERS (PAF) SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION EVALUATION REPORTS OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD.
6. SEE GENERAL NOTE 6d & 6e ON CG0.00 FOR PAF REQUIREMENTS & ATTACHMENT TO STEEL.
7. POWER ACTUATED FASTENER (PAF), POWEDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS, ARE COMMON NOMINCLATURES THAT ALL REPRESENT THE SAME FASTENER DESCRIBED HERE IN.
8. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
9. ALLOWABLE STRENGTHS ARE FOR SINGLE FASTENERS, WHICH MEET THE REQUIREMENTS PER NOTES ABOVE. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN THE ESRS 1799, 2024, 2138 & 2269.
10. TOTAL ALLOWABLE TENSION, SHEAR OR TENSION SHEAR COMBINATION SHALL NOT EXCEED 250 LBS. AS PERMITTED BY THE EXCEPTION TO ASCE 7-10 SECTION 13.4.5.

NOMINAL SHANK DIAMETER (IN)	STEEL THICKNESS (IN)							
	3/16		1/4		3/8		1/2	
	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)
0.145 MIN	155	250	230	250	250	250	190	220

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.12
Sheet Title: POWER ACTUATED FASTENER (PAF) IN STEEL

POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN CONCRETE FILLED B-DECK)

TABLE 1
POWER ACTUATED FASTENER INSTALLED TO THE UNDERSIDE OF NORMAL WEIGHT OR SAND-LIGHTWEIGHT CONCRETE THROUGH B-DECK (f'_c MIN = 3000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN. EMBED (IN)	MIN. SPACING (IN)	MIN. EDGE DISTANCE (IN)	TENSION (LB) SEE NOTE 15	SHEAR (LB) (SEE NOTE 15)
0.157 MIN	1"	4"	4"	90	90

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.14
Sheet Title: POWER ACTUATED FASTENER (PAF) ALLOWABLE STR (INSTALLED IN CONCRETE FILLED METAL B DECK)

EXPANSION ANCHOR ALLOWABLE STRENGTHS

TABLE 1
EXPANSION ANCHORS INSTALLED IN TO THE UNDERSIDE OF STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'_c MIN=3000 PSI) OVER METAL DECK

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	747	604
1/2	2 1/4	1029	610
1/2	3 1/4	1173	1086
5/8	3 1/4	1353	836
5/8	4 1/4	2477	1941

TABLE 2
EXPANSION ANCHORS INSTALLED IN TO THE TOP OF STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'_c MIN=3000 PSI) OVER METAL DECK

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	806	624
1/2	2 1/4	948	660

TABLE 3
EXPANSION ANCHORS INSTALLED IN NORMAL WEIGHT CONCRETE (f'_c MIN=3000 PSI)

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	1020	961
1/2	2 1/4	1580	1101
1/2	3 1/4	2591	2003
5/8	3 1/4	2579	2150
5/8	4 1/4	3772	3113

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.21
Sheet Title: EXPANSION ANCHOR ALLOWABLE STRENGTHS

EXPANSION ANCHOR ALLOWABLE STRENGTHS INTO B-DECK

TABLE 1
EXPANSION ANCHORS INSTALLED INTO THE UNDERSIDE OF NORMAL WEIGHT CONCRETE THROUGH B-DECK (f'_c MIN = 3000 PSI)

ANCHOR DIAMETER (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8"	2	997	522
1/2"	2	1440	600

** UNDERSIDE APPLICATION ONLY. SEE NOTE ON GX1.22.

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.23
Sheet Title: EXPANSION ANCHOR ALLOWABLE STRENGTHS (INSTALLED IN CONCRETE FILLED METAL B DECK)

POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN CONCRETE OVER METAL DECK OR CONC SLAB)

TABLE 1
POWER ACTUATED FASTENER INSTALLED IN SAND-LIGHTWEIGHT CONCRETE THROUGH METAL DECK (f'_c MIN=3000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN EMBED (IN)	MIN SPACING (IN)	MIN EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	4	4	90	90

TABLE 2
POWER ACTUATED FASTENERS INSTALLED INTO STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'_c MIN=3000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN EMBED (IN)	MIN SPACING (IN)	MIN EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	4	4	90	90

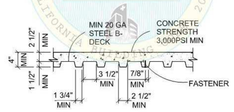
TABLE 3
POWER ACTUATED FASTENER INSTALLED INTO NORMAL-WEIGHT CONCRETE (f'_c MIN=2000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN EMBED (IN)	MIN SPACING (IN)	MIN EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	5.1	4	90	90

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.11
Sheet Title: POWER ACTUATED FASTENER (PAF) IN CONCRETE OVER METAL DECK OR CONCRETE SLAB - PAGE 2 OF 2

POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL B-DECK)

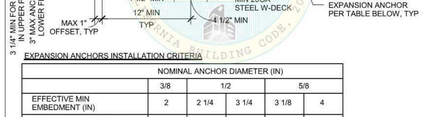
1. POWER ACTUATED FASTENER (PAF), POWER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF).
2. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
3. ALLOWABLE STRENGTHS ARE FOR A SINGLE FASTENER WHICH MEET REQUIREMENTS PER SECTION BELOW AND TABLES ON GX1.14 THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN ICC ESRS 2024, 2138, & 2269.
4. MINIMUM CONCRETE STRENGTH f'_c = 3000 PSI FOR NORMAL WEIGHT CONCRETE AND f'_c = 3000 PSI FOR ALL LIGHT WEIGHT CONCRETE UNLESS NOTED OTHERWISE.
5. POWER ACTUATED FASTENER INSTALLED THROUGH LOW FLUTES OF THE METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTION BELOW.
6. MINIMUM EDGE DISTANCE OF 7/8" FROM THE EDGE OF METAL DECK WEB AND 4" FROM THE EDGE OF THE DECK.
7. STEEL DECK TO BE A MINIMUM OF 20 GA. B-DECK.
8. CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK MUST BE A MINIMUM OF 2 1/2" AT NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE COMPOSITE METAL DECK.
9. PAF SHALL NOT BE USED TO RESIST SEISMIC SHEAR FORCES EXCEPT AT INTERIOR NON-LOAD BEARING, NON-SHEAR WALL PARTITION WALLS (AS PERMITTED BY 2013 CBC 1908A.1.1) AND COMPONENTS EXEMPT FROM CONSTRUCTION DOCUMENT REVIEW BY 2013 CBC SECTION 1616A.1.18 (NOT PERMITTED TO TAKE SEISMIC SHEAR BY ICC-ES AC70 FOR ANY OTHER CONDITIONS). PAF SHALL NOT BE USED TO CARRY SEISMIC TENSION LOADS (EXCEPT FOR VERTICAL SEISMIC LOAD PRODUCED BY SELF WEIGHT OF THE COMPONENTS) OR IN CRACKED CONCRETE UNLESS APPROVED FOR SUCH LOADING BY OSHPD.
10. PAF SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO FASTENER INSTALLATION.
11. PAF INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING CONCRETE REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. PAF SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT. THIS MAY REQUIRE NON-DESTRUCTIVE TESTING.
12. PAF SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD).
13. TESTING OF PAF SHALL BE PER 2013 CBC SECTION 1913A.7. MINIMUM CONCRETE SUBSTRATE THICKNESS IS THREE TIMES THE PAF PENETRATION INTO THE CONCRETE SUBSTRATE.
14. TESTING IS NOT REQUIRED OF PAF USED TO ATTACH TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY WHERE THERE ARE AT LEAST THREE FASTENERS.
15. TOTAL ALLOWABLE LOADS IN TENSION, SHEAR OR TENSION SHEAR COMBINATIONS SHALL NOT EXCEED 90 LBS AS PERMITTED BY EXCEPTION TO THE ASCE 7-10 SECTION 13.4.5.
16. REFER TO NOTE 6d ON CG0.00 FOR ADDITIONAL PAF REQUIREMENTS.



Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.13
Sheet Title: POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL B DECK)

EXPANSION ANCHOR GENERAL NOTES

1. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
2. ALLOWABLE STRENGTHS ARE FOR SINGLE ANCHORS WHICH MEET MIN. REQUIREMENTS IN ACCORDANCE WITH THE TABLE & SECTION BELOW.
3. MINIMUM CONCRETE STRENGTH f'_c=3000 PSI.
4. EXPANSION ANCHORS INSTALLED THROUGH UPPER OR LOWER FLUTES OF METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTION BELOW.
5. STEEL DECK TO BE MIN. 20 GA. W-DECK.
6. MINIMUM CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK IN ACCORDANCE WITH THE SECTION AND INSTALLATION CRITERIA BELOW.
7. EXPANSION ANCHORS SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO ANCHOR INSTALLATION.
8. EXPANSION ANCHOR INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. EXPANSION ANCHORS SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT.
9. EXPANSION ANCHORS SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORT OR REPORT FROM OTHER TESTING AGENCY ACCEPTABLE TO OSHPD.
10. TESTING OF EXPANSION ANCHORS SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1913A.7.
11. EXPANSION ANCHORS SHALL BE INSTALLED TO COMPLY WITH THE MINIMUM SLAB THICKNESS REQUIREMENTS ESTABLISHED BY THE ICC-ESR FOR THE SPECIFIED ANCHOR.
12. REFER TO NOTE 6c ON CG0.00 FOR ADDITIONAL EXPANSION ANCHOR REQUIREMENTS.
13. ALL VALUES IN TABLES ARE FOR CRACKED CONCRETE & INCLUDE REDUCTION BASED ON ACI 318-11 SECTION D.3.3.4 REQUIREMENTS. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS CALCULATED USING THE ICC ESRS 1917, 2427, 2502 & 3037 AND USING AN ALLOWABLE STRENGTH CONVERSION FACTOR OF 1.4.
14. ALL VALUES IN THE TABLE REFLECT ALLOWABLE STRENGTHS WITH 20% STRESS INCREASE FOR LOAD COMBINATIONS WITH OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 SECTION 12.4.3.3.



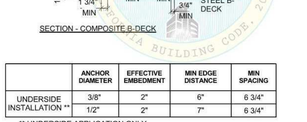
EXPANSION ANCHORS INSTALLATION CRITERIA

	NOMINAL ANCHOR DIAMETER (IN)				
	3/8	1/2		5/8	
EFFECTIVE MIN EMBEDMENT (IN)	2	2 1/4	3 1/4	3 1/8	4
MIN MEMBER THICKNESS NWC SLAB OR BEAM ONLY (IN)	4.5	4.5	6	6	7 1/4
MIN ANCHOR SPACING (3 x EMBED) (IN)	6 3/4	6 3/4	9 3/4	9 3/8	12
MIN EDGE DISTANCE (IN)	6	7	7 1/2	6 1/2	8 3/4

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.20
Sheet Title: EXPANSION ANCHOR GENERAL NOTES

EXPANSION ANCHOR GENERAL NOTES

1. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
2. ALLOWABLE STRENGTHS SHOWN IN TABLES ON GX1.23.ARE FOR SINGLE ANCHORS WHICH MEET MIN. REQUIREMENTS PER TABLE AND SECTION BELOW.
3. MINIMUM CONCRETE STRENGTH f'_c = 3000 PSI.
4. EXPANSION ANCHORS INSTALLED THROUGH LOWER FLUTES OF METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTION BELOW.
5. STEEL DECK TO BE MIN 20 GA. B-DECK.
6. MINIMUM CONCRETE FILL DEPTH ABOVE THE TOP OF THE METAL DECK PER SECTION AND INSTALLATION CRITERIA BELOW.
7. EXPANSION ANCHORS SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO ANCHOR INSTALLATION.
8. EXPANSION ANCHOR INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING REINFORCEMENT. SHOULD THIS OCCUR, THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. EXPANSION ANCHORS SHALL BE INSTA" CLEAR OF EXISTING REINFORCEMENT.
9. EXPANSION ANCHORS SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORT OR REPORT FROM OTHER TESTING AGENCY ACCEPTABLE TO OSHPD.
10. TESTING OF EXPANSION ANCHORS SHALL BE PER 2013 CBC SECTION 1913A.7.
11. REFER TO NOTE 6c ON CG0.00 FOR ADDITIONAL EXPANSION ANCHOR REQUIREMENTS.
12. ALL VALUES IN TABLES ARE FOR CRACKED CONCRETE & INCLUDE REDUCTION BASED ON ACI 318-11 D.3.3.4.4 REQUIREMENTS. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS CALCULATED USING THE ICC ESRS 1917 AND 2502 AND USING AN α FACTOR OF 1.4.
13. ALL VALUES IN TABLE REFLECT ALLOWABLE STRENGTHS WITH 20% ALLOWABLE STRESS INCREASE FOR LOAD COMBINATIONS WITH OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 SECTION 12.4.3.3.



SECTION - COMPOSITE B-DECK

	ANCHOR DIAMETER	EFFECTIVE EMBEDMENT	MIN EDGE DISTANCE	MIN SPACING
UNDERSIDE INSTALLATION **	3/8"	2"	6"	6 3/4"
	1/2"	2"	7"	6 3/4"

** UNDERSIDE APPLICATION ONLY.

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.22
Sheet Title: EXPANSION ANCHOR GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL B DECK)

SHEET METAL SCREW (SMS) GENERAL NOTES

1. THE ALLOWABLE STRENGTHS ARE BASED UPON THE AISI S100-07/S2-10 AND ARE LIMITED BY ACTUAL TESTED STRENGTH OF THE SCREWS IN TENSION AND SHEAR.
2. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE AVERAGE TESTED TENSILE AND SHEAR STRENGTHS TABULATED FROM ICC ESR'S 1976, 2196, 1730, 1408, AND THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA). FASTENER TYPES AND SIZES APPLY TO NON-PROPRIETARY FASTENER TYPES AND SIZES, AND DOES NOT ENDORSE A SPECIFIC MANUFACTURER. WHERE PROPRIETARY FASTENERS ARE SPECIFIED, NO EXCEPTIONS ARE TAKEN TO THE USE OF MANUFACTURER SPECIFIC VALUES THAT ARE BASED UPON THE AISI S100-07/S2-10, SECTION E4. ALL SCREW FASTENERS SHALL SATISFY ICC-ES AC118-ACCEPTANCE CRITERIA FOR SELF TAPPING SCREW FASTENERS.
3. TABLE 1 REPRESENTS ALLOWABLE TENSION AND SHEAR STRENGTHS FOR NON-PROPRIETARY SHEET METAL SCREWS FOR STEEL TO STEEL CONNECTIONS.
4. TABLES 2 AND 3 REPRESENT ALLOWABLE TENSION AND SHEAR STRENGTHS THAT INCORPORATE THE EFFECTS OF EITHER ONE (1) OR TWO (2) LAYERS OF 5/8" GYPSUM BOARD BETWEEN FASTENER HEAD AND CONNECTING STEEL MATERIAL.
5. IN ORDER TO USE THE VALUES IN TABLES 1, 2, AND 3, THE ATTACHMENTS SHALL BE DETAILED IN SUCH A WAY AS TO AVOID PRYING AND THE STUDS MUST BE STABILIZED WITH FULL-DEPTH BLOCKING WITH CONTINUOUS STRAPS ALONG THE FLANGES OR WITH BACKING BARS.
6. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHOULD NOT BE LESS THAN THREE (3) EXPOSED THREADS.
7. STEEL THICKNESSES JOINED ARE ASSUMED TO BE THE SAME. IF DISSIMILAR THICKNESSES ARE BEING CONNECTED, THE VALUE FOR THE THINNER PART JOINED SHALL BE USED.
8. THE MINIMUM SPACING BETWEEN CENTERS OF FASTENERS SHALL NOT BE LESS THAN 3 X FASTENER DIAMETER. THE MINIMUM EDGE DISTANCE FROM THE CENTER OF A FASTENER TO THE EDGE OF ANY PART SHALL NOT BE LESS THAN 1.5 X FASTENER DIAMETER. WHERE THE END DISTANCE IS PARALLEL TO THE FORCE ON THE FASTENER, THE NOMINAL SHEAR STRENGTH SHALL BE LIMITED BY SECTION E4.3.2 OF THE AISI S100-07/S2-10.
9. GALVANIZED METAL STUDS, TRACK AND SHEET STEEL SHALL CONFORM TO ASTM A653-09a MATERIAL (OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN THE AISI S100-07/S2-10, SECTION A2.1) WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GA) AND LIGHTER, AND MINIMUM YIELD STRENGTH OF 50 KSI FOR 54 MIL (16 GA) & HEAVIER.
10. WHERE VALUES ARE NOT GIVEN, SUCH COMBINATIONS OF SCREW SIZES & MATERIAL THICKNESS ARE NOT RECOMMENDED.
11. IF THE ATTACHMENT DETAILS RESULT IN PRYING WITH A MOMENT ARM NOT TO EXCEED 1 5/8", THE VALUES IN TABLE 4 MAY BE USED. IF THE ATTACHMENT DETAILS RESULT IN PRYING WITH A MOMENT ARM THAT EXCEEDS 1 5/8", THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THE PROJECT SHALL DETERMINE THE ALLOWABLE VALUES AND SUBMIT SUBSTANTIATION FOR THEM TO OSHPD FOR REVIEW.
12. INTERACTION OF SHEAR AND TENSION SHALL BE BASED ON $T/T_{ALL} + V/V_{ALL} \leq 1.0$.
13. REFER TO NOTE 6A ON CG0.00 FOR ADDITIONAL SHEET METAL SCREW REQUIREMENTS.

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.30
Sheet Title: SHEET METAL SCREW GENERAL NOTES

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
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Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEVIN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

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THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - GYPSUM BOARD CEILING, GX1.10 - GX1.30

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.15
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" (0, 5', 50') · 1/8" = 1'-0" (0, 5', 25') · 1/4" = 1'-0" (0, 1', 12') · 1/2" = 1'-0" (0, 1', 6') · 3/4" = 1'-0" (0, 4') · 1" = 1'-0" (0, 1', 3') · 1 1/2" = 1'-0" (0, 2') · 3" = 1'-0" (0, 1')

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

SHEET METAL SCREW (SMS) ALLOWABLE STRENGTHS

TABLE 1

SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS.

		FASTENER SIZE									
		NO. 14		NO. 12		NO. 10		NO. 8		NO. 6	
		0.250 IN		0.216 IN		0.190 IN		0.164 IN		0.138 IN	
Fy (KSI)	MIL (STEEL GA)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)
50	97 (12)	704	275	525	205	-	-	-	-	-	-
	68 (14)	704	275	525	205	405	159	-	-	-	-
	54 (16)	613	261	525	205	405	159	303	118	-	-
33	43 (18)	302	144	280	124	263	109	244	94	165	79
	33 (20)	-	-	-	-	177	84	164	72	151	61

NOTES:
1. SEE GENERAL NOTES ON GX1.30 FOR ADDITIONAL INFORMATION .
2. WHERE ONE OR TWO LAYERS OF GYP BOARD OCCURS BETWEEN STEEL SURFACES, THE ALLOWABLE VALUES OF TABLE 2 & 3 SHALL BE USED.
3. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. THE RDP IN RESPONSIBLE CHARGE OF THE PROJECT SHALL PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

TABLE 2 - NON-PRYING CONDITION

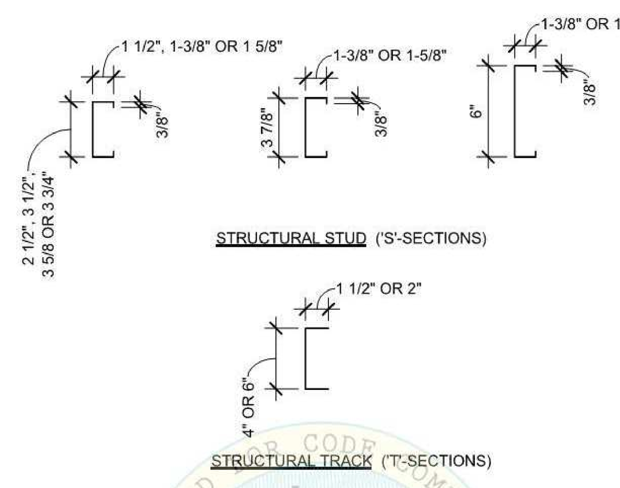
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS. WITH ONE LAYER OF 5/8" GYP BOARD BETWEEN STEEL SURFACES.

		FASTENER SIZE									
		NO. 14		NO. 12		NO. 10		NO. 8		NO. 6	
		0.250 IN		0.216 IN		0.190 IN		0.164 IN		0.138 IN	
Fy (KSI)	MIL (STEEL GA)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)
50	97 (12)	226	275	180	205	-	-	-	-	-	-
	68 (14)	226	275	180	205	140	159	-	-	-	-
	54 (16)	226	261	180	205	140	159	120	118	-	-
33	43 (18)	226	144	180	124	140	109	120	94	60	79
	33 (20)	-	-	-	-	100	84	80	72	60	61

NOTES:
1. SEE GENERAL NOTES ON GX1.30 FOR ADDITIONAL INFORMATION .
2. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. THE RDP IN RESPONSIBLE CHARGE OF THE PROJECT SHALL PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.31

Sheet Title : SHEET METAL ALLOWABLE STRENGTHS - PAGES 1 OF 2



STRUCTURAL STUD ('S'-SECTIONS)

STRUCTURAL TRACK ('T'-SECTIONS)

DESIGNATION THICKNESS (MILS)	REFERENCE ONLY GAUGE NO.
18	25
27	22
33	20
43	18
54	16
68	14
97	12
118	10

NOTE:
1. F_y = 50KSI FOR 54 MIL (16GA) & THICKER SECTIONS, AND F_y = 33KSI FOR SECTIONS UP TO & INCLUDING 43 MI (18GA).
2. SIZE AND THICKNESS ARE CONSIDERED MINIMUMS.
3. STRUCTURAL STUDS SHALL NOT BE PUNCHED UNLESS NOTED OTHERWISE.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.40

Sheet Title : METAL STUD PROFILES

7. DESIGN CRITERIA
   a. BUILDING CODE: 2013 CALIFORNIA BUILDING CODE (2013 CBC), ASCE 7-10, AISI S100-07/S2-10, AND ASTM C754-11. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1605A.3.1.
   b. FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS.
   c. THE DESIGN ASSUMES THAT BUILDING ELEMENTS AND SUPPORTS, TO WHICH THE COMPONENTS ADDRESSED IN THIS DOCUMENT ARE ANCHORED, HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING BUILDING ELEMENTS IS BEYOND THE SCOPE OF THE OPD.
   d. THIS OPD IS LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING FIXTURES (LUMINERIES) AND MECHANICAL SERVICES, EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM. HEAVIER SYSTEM AND THOSE SUPPORTING LATERAL FORCES FROM PARTITION WALLS ARE OUTSIDE THE SCOPE OF THIS OPD AND WILL REQUIRE PROJECT SPECIFIC DESIGN.
8. THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THE FIRE RESISTENCE AND ACOUSTICAL RATINGS FOR ALL CEILING ASSEMBLIES.
9. "CEILING WIRE" SHALL CONFORM WITH GALVANIZED SOFT ANNEALED MILD STEEL WIRE AS DEFINED IN ASTM A641 (CLASS 1 COATING) WITH 70 KSI MINIMUM TENSILE STRENGTH:
   a. FOUR (4) TWISTS OF WIRE WITHIN 1.5" DEVELOPS THE ALLOWABLE LOAD FOR THE WIRE.
   b. THREE (3) TWISTS WITHIN 3" MAY BE USED TO DEVELOP THE MAXIMUM 50% OF ALLOWABLE LOAD.
10. SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C754:
   a. MAIN RUNNNERS SHALL CONSIST OF 16 GAGE 1-1/2" COLD ROLLED U-CHANNEL 150U050-54 SPACED AT 4'-0" OC MAX. MAIN RUNNERS SHALL BE SUPPORTED BY HANGER WIRES AT 4'-0" OC MAX AND WITHIN 6" FROM EA END.
   b. FURRING CHANNEL SHALL CONSIST OF 25 GAGE 7/8" (HAT) FURRING CHANNELS (087F125-18) at 2'-0" OC MAX. FURRING CHANNELS SHALL BE SADDLE TIED TO MAIN RUNNERS WITH 16 GAGE TIE WIRE OR A DOUBLE STRAND OF 18 GAGE TIE WIRE.
   c. MAIN RUNNERS SHALL BE SPLICED BY LAPPING IN ACCORDANCE WITH CG2.31.
   d. FURRING CHANNELS SHALL BE SPLICED BY LAPPING IN ACCORDANCE WITH CG2.31.
   e. MAIN RUNNERS AND FURRING CHANNELS ALONG WITH THEIR SPLICES, INTERSECTION CONNECTORS, AND EXPANSION DEVICES SHALL BE DESIGNED AND CONSTRUCTED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 270 LBS. IN COMPRESSION & TENSION.
   f. HANGER AND BRACING WIRES SHALL BE #12 GAGE (0.106" DIAMETER), SOFT ANNEALED, AND GALVANIZED STEEL WIRES WITH CLASS 1 COATING. THEY MAY BE USED FOR UP TO AND INCLUDING 4'-0"x 4'-0" GRID SPACING ALONG AND ATTACHED TO MAIN RUNNERS. SPLICES ARE NOT PERMITTED IN ANY HANGER WIRE.
   g. WIRE HANGERS SHALL BE SADDLE-TIED AROUND MAIN RUNNERS SO AS TO PREVENT TURNING OR TWISING OF THE MEMBER.
11. SUSPENSION SYSTEM INSTALLATION SHALL COMPLY WITH ASTM C754:
   a. CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS. MAIN RUNNERS AND FURRING CHANNEL SHALL BE AT LEAST 1 INCH CLEAR OF OTHER WALL. IF WALLS RUN DIAGONAL TO THE CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN RUNNER AND FURRING SHOULD BE FREE WITH STANDARD CLEARANCES.
   b. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN TWO (2) INCHES. USE OF ANGLES WITH SMALLER WIDTHS IN CONJUNCTION WITH PERIMETER CLIPS SHALL REQUIRE AN ALTERNATE METHOD OF COMPLIANCE WITH ADEQUATE JUSTIFICATION AND ARE OUTSIDE THE SCOPE OF THIS OPD.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: CG0.01

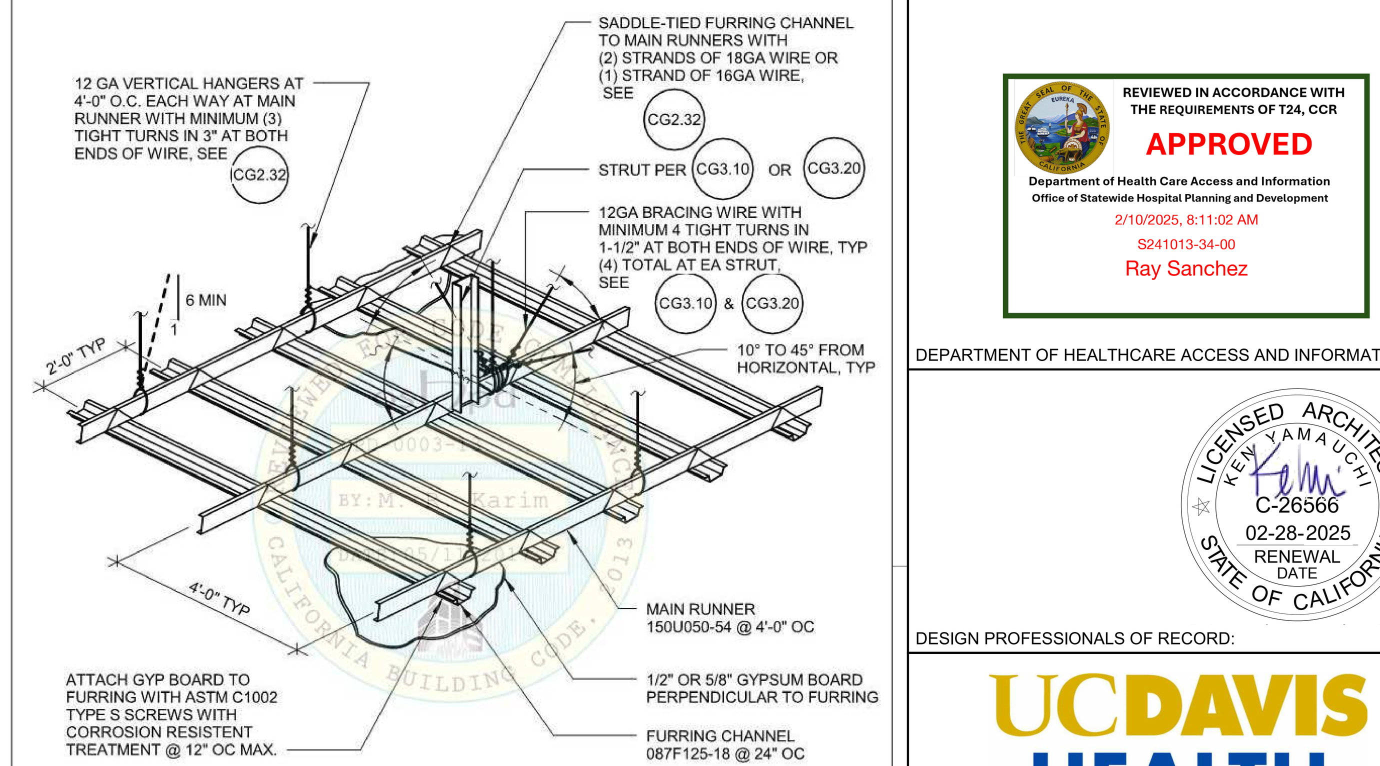
Sheet Title : GYP-BOARD SUSPENDED CEILING PAGE 2 OF 5

15. CEILING FIXTURES, TERMINALS, AND DEVICES:
   a. ALL LIGHT FIXTURES, AIR TERMINALS/GRILLS, OR OTHER DEVICES (REFERRED TO ALL BY COMMON TERM FIXTURES HEREAFTER) SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE.
   b. ALL FIXTURES SHALL BE SUPPORTED DIRECTLY BY MAIN RUNNERS OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY MAIN RUNNERS AND POSITIVELY ATTACHED WITH SCREWS OR OTHER APPROVED CONNECTORS.
   c. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO A MAIN RUNNER WITH A POSITIVE CLAMPING DEVICE MADE OF MATERIAL WITH A MINIMUM OF 14 GAGE. ROTATIONAL SPRING CLAMPS DO NOT COMPLY.
   d. ACCESS PANELS: ACCESS TO THE SPACE BETWEEN THE CEILING AND THE FLOOR OR ROOF ABOVE SHALL NOT BE ALLOWED. SMALL ACCESS PANELS FOR THE INSPECTION, ADJUSTMENT, OR REPAIR OF UTILITY SWITCHES, VALVES, SENSORS, ETC. MAY BE ALLOWED IF THE PANEL IS LESS THAN 300 SQUARE INCHES. SUCH PANELS SHALL ALSO HAVE A PERMANENT WARNING LABEL AS FOLLOWS:

      WARNING: 1. DO NOT CLIMB, WALK, OR CRAWL ON THE GYPSUM BOARD CEILING.
      2. DO NOT STORE OR STOW ANYTHING ON THE GYPSUM BOARD CEILING.
   e. ALL LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE ONE NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
   f. ALL FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
   g. ALL FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS.
   h. PENDENT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN N0. 9-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT. THE CEILING SUSPENSION SYSTEM SHALL NOT PROVIDE ANY DIRECT SUPPORT.
   i. ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. LEVELLING OR POSITIONING OF FIXURES MAY BE PROVIDED BY CEILING GRID. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE GRID SYSTEM. FIXTURES SHALL NOT BE SUPPORTED FROM MAIN RUNNERS OR FURRING CHANNELS IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.
16. CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS SHALL CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY. POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY OSHPD.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: CG0.03

Sheet Title : GYP-BOARD SUSPENDED CEILING PAGE 4 OF 5



NOTES:
1. SEE GENERAL NOTES #13 & #14 ON CG0.02
2. STRUTS SHALL NOT REPLACE HANGER WIRES.
3. FOR CONDITIONS AT CORRIDOR SEE DRAWING NO. CG2.30
4. FOR MAIN RUNNER AND FURRING CHANNEL SPLICE CONNECTIONS, SEE CG2.31

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: CG2.10

Sheet Title : SUSPENDED CEILING BRACING ASSEMBLY

SHEET METAL SCREW (SMS) ALLOWABLE STRENGTHS (CONTINUED)

TABLE 3 - NON-PRYING CONDITION

SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS WITH TWO LAYERS OF 5/8" GYP BOARD BETWEEN STEEL SURFACES.

		FASTENER SIZE									
		NO. 14		NO. 12		NO. 10		NO. 8		NO. 6	
		0.250 IN		0.216 IN		0.190 IN		0.164 IN		0.138 IN	
Fv (KSI)	MIL (STEEL GA)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)
50	97 (12)	166	275	130	205	-	-	-	-	-	-
	68 (14)	166	275	130	205	100	159	-	-	-	-
	54 (16)	166	261	130	205	100	159	80	118	-	-
33	43 (18)	166	144	130	124	100	109	80	94	50	79
	33 (20)	-	-	-	-	70	84	50	72	40	61

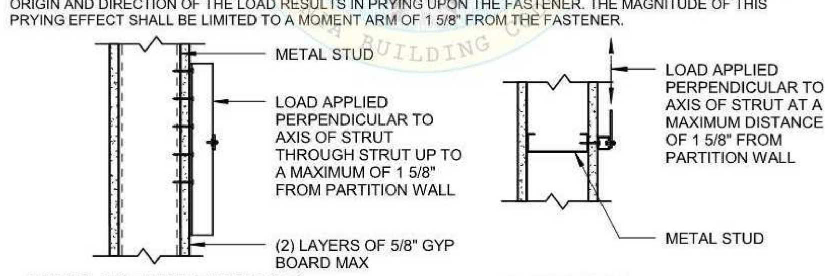
NOTES:
1. SEE GENERAL NOTES ON GX1.30 FOR ADDITIONAL INFORMATION .
2. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. THE RDP IN RESPONSIBLE CHARGE TO PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

TABLE 4 - PRYING CONDITION (SEE DETAILS BELOW - STRUT CAN BE HORIZONTAL OR VERTICAL)

SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS WITH ONE OR TWO LAYERS OF 5/8" GRP BOARD BETWEEN STEEL SURFACES AND MAXIMUM PRYING MOMENT ARM OF 1 5/8"

		FASTENER SIZE									
		NO. 14		NO. 12		NO. 10		NO. 8		NO. 6	
		0.250 IN		0.216 IN		0.190 IN		0.164 IN		0.138 IN	
Fv (KSI)	MIL (STEEL GA)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)
50	97 (12)	40	275	30	205	-	-	-	-	-	-
	68 (14)	40	275	30	205	25	159	-	-	-	-
	54 (16)	40	261	30	205	25	159	20	118	-	-
33	43 (18)	40	144	30	124	25	109	20	94	10	79
	33 (20)	-	-	-	-	15	84	15	72	10	61

NOTES:
1. SEE GENERAL NOTES ON GX1.30 FOR ADDITIONAL INFORMATION.
2. ALLOWABLE STRENGTH VALUES LISTED IN TABLE 4 ARE BASED UPON A LIMITED TEST ASSEMBLY WHERE THE ORIGIN AND DIRECTION OF THE LOAD RESULTS IN PRYING UPON THE FASTENER. THE MAGNITUDE OF THIS PRYING EFFECT SHALL BE LIMITED TO A MOMENT ARM OF 1 5/8" FROM THE FASTENER.



WALL ELEV WITH LOAD APPLIED THROUGH STRUT

PLAN VIEW

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: GX1.32

Sheet Title : SHEET METAL SCREW ALLOWABLE STRENGTHS - PAGES 2 OF 2

SUSPENDED GYP BOARD CEILING
GENERAL NOTES

1. CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2013).
2. THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE CONSTRUCTION DRAWINGS AND ANY OTHER PORTION OF THE CONSTRUCTION DOCUMENTS, FIELD CONDITIONS, OR WHERE ANY CONDITIONS ARISE NOT COVERED BY THESE DOCUMENTS WHEREIN WORK WILL NOT COMPLY WITH CODE REQUIREMENTS.
3. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARD CODE, 2013 (CBSC 2013). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2013, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
4. GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO ASTM A653-11 MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI SI00-07/S2-10; NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS WITH SUPPLEMENT 2, DATED 2010, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAGE) AND LIGHTER AND MINIMUM YIELD STRENGTH OF 50 KSI FOR HEAVIER GAGES.

   METAL STUDS AND TRACKS SHALL BE OF SIZE, THICKNESS AND SECTION PROPERTIES SHOWN ON TABLES 1-1, 1-2 AND 1-3 OF THE AISI MANUAL, COLD-FORMED STEEL DESIGN, 2008 EDITION. THE RDP IN RESPONSIBLE CHARGE SHALL OBTAIN OSHPD APPROVAL FOR ANY SUBSTITUTIONS.
5. ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH OF (Fy =) 30 KSI AND MINIMUM ULTIMATE STRENGTH OF (Fu =) 48 KSI.
6. THESE OPD REFER TO FASTENER TYPE AND SIZE BUT DO NOT SPECIFY OR ENDORSE A SPECIFIC MANUFACTURER. THE RDP IN RESPONSIBLE CHARGE SHALL SELECT A MANUFACTURER AND SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET:
   a. SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118 AND ALLOWABLE STRENGTH SHALL BE BASED ON INFORMATION PROVIDED IN GX1.31 AND GX1.32. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
   b. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES. FIELD WELDING SHALL HAVE SPECIAL INSPECTION IN ACCORDANCE WITH 2013 CBC SECTION 1705A.2.
   c. POST- INSTALLED ANCHORS (E.G. EXPANSION ANCHORS, SCREW ANCHORS AND POWER ACTUATED FASTENERS) SHALL HAVE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH THE 2013 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE SEE THE 2013 CBC SECTIONS 1616A.1.19 AND 1908A.1.1. LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENER USED.
   d. POWER-ACTUATED FASTENERS (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) AND SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF). PAF'S SHALL SATISFY THE CURRENT AC70-ACCEPTANCE CRITERIA FOR FASTENERS POWER-DRIVEN INTO CONCRETE, STEEL AND MASONRY ELEMENTS AND THE 2013 CBC SECTIONS 1908A.1.1. LISTING OF CURRENT ICC ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED.
   e. FOR PAF INSTALLED IN STEEL THE FASTENER PENETRATION SHALL HAVE THE ENTIRE POINTED END OF THE FASTENER DRIVEN THROUGH THE STEEL MEMBER, EXCEPT AS NOTED IN CURRENT REPORTS FROM TESTING AGENCIES ACCEPTABLE TO OSHPD.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: CG0.00

Sheet Title : GYP-BOARD SUSPENDED CEILING PAGE 1 OF 5

12. EXPANSION JOINTS, SEISMIC SEPARATIONS, AND PENETRATIONS:
   a. EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS.
   b. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQ. FT.
   c. PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE ONE (1) INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER. SUCH FLEXIBLE SPRINKLER HOSE SHALL BE ADEQUATELY SUPPORTED FROM SOFFIT SO AS NOT TO EXCEED THE MAXIMUM TRIBUTARY WEIGHT OF THE CEILING.
13. LATERAL FORCE BRACING:

   LATERAL FORCE BRACING IS REQUIRED IN ACCORDANCE WITH THIS SECTION FOR ALL CEILING AREAS, UON.

   EXCEPTION: LATERAL FORCE BRACING MAY BE OMITTED FOR SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQ. FT. OR LESS, WHEN PERIMETER SUPPORT ARE PROVIDED AND PERIMETER WALLS ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES.
   a. PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A STRUT AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER.
   b. LATERAL-FORCE BRACING ASSEMBLIES SHALL BE SPACED IN ACCORDANCE WITH CG2.20 THROUGH CG2.22 AND CG2.30 FROM EACH WALL AND AT THE EDGES OF ANY CHANGE OF ELEVATION OF THE CEILING.
   c. THE SLOPE OF BRACING WIRES MAY BE FROM 10 TO 45 DEGREES BUT MAY NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHALL BE TAUT.
   d. STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB.
14. ATTACHMENT OF HANGER AND BRACING WIRES:
   a. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS IN 3 INCHES. HANGER WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS.
   b. FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2" INCHES.
   c. HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.
   d. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES CONDUITS, ETC.
   e. HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMETARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.
   f. HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL REQUIRE PROJECT SPECIFIC DESIGN.
   g. WHEN DRILLED-IN CONCRETE ANCHORS OR PAF ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 WIRE/ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 200 LBS. IN TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 WIRE/ ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 440 LBS. IN TENSION IN THE DIRECTION OF THE WIRE. PAF IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: CG0.02

Sheet Title : GYP-BOARD SUSPENDED CEILING PAGE 3 OF 5

17. GYPSUM BOARD INSTALLATION SHALL COMPLY WITH ASTM C840-11:
   a. GYPSUM BOARD SHALL CONSIST OF SINGLE-PLY ½" OR 5/8" THICK IN ACCORDANCE WITH ASTM C11-10a.
   b. GYPSUM BOARD SHALL BE INSTALLED PERPENDICULAR TO FURRING WITH SCREWS AT 12" ON CENTER MAXIMUM, IN ACCORDANCE WITH ASTM C840-11.
   c. GYPSUM BOARD SHALL BE ATTACHED TO FURRING/FRAMING WITH ASTM C1002-07 TYPE S (ASTM A568-11b GRADES 1018 TO 1022) SCREWS (NOT LESS THAN, N0. 6, WITH MAJOR DIAMETER NOT LESS THAN 0.136 IN).

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No: CG0.04

Sheet Title : GYP-BOARD SUSPENDED CEILING PAGE 5 OF 5

REVIEWED FOR CODE COMPLIANCE oshpd OPD-0003-13 BY: M. R. Karim DATE: 05/11/2017 CALIFORNIA BUILDING CODE, 2013

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

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Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - GYPSUM BOARD CEILING, GX1.31 - CG2.20

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.16
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

6/20/2024 4:58:41 PM C:\Revit_Locals\5938 UCDH Central Phamacy_Central_R23-REVISED SCOPE_aunoJDA58.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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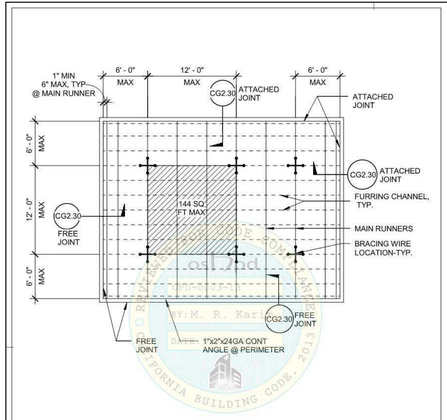
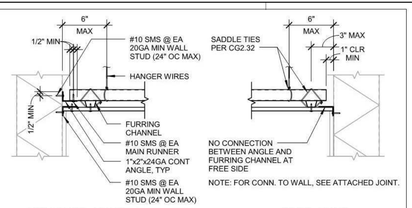


NOTES:

1. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 144 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT.
2. RDP MAY ELECT TO SPECIFY TIGHTER SPACING BETWEEN BRACING WIRES AND COMP. STRUTS TO ALLOW SMALLER ANCHORS PER SCHEDULES ON SHEETS CG4.31 & CG6.60.

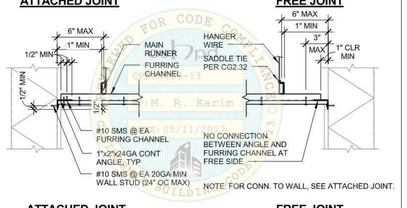
Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No: CG2.22

Sheet Title: TYPICAL CEILING PLAN FOR $S_{DS} \leq 1.15$ AND z/h <= 1.0



NOTE: FOR CONN. TO WALL, SEE ATTACHED JOINT.

ATTACHED JOINT **FREE JOINT**



NOTE: FOR CONN. TO WALL, SEE ATTACHED JOINT.

ATTACHED JOINT **FREE JOINT**

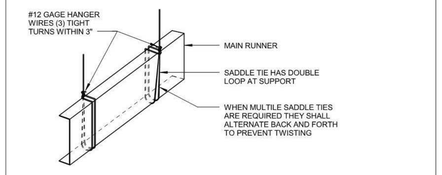
NOTES:

1. PERIMETER WALLS SHALL BE DESIGNED TO CARRY TRIBUTARY LATERAL FORCES PER TABLE BELOW. RDP TO VERIFY. RDP TO SPECIFY CONNECTION OF BACKING TO STUDS
2. WHEN GYPSUM BOARD IS TO BE APPLIED TO BOTH CEILING AND WALLS, GYPSUM BOARD SHALL BE APPLIED FIRST TO THE CEILING AND THEN TO WALLS IN ACCORDANCE WITH ASTM C840.

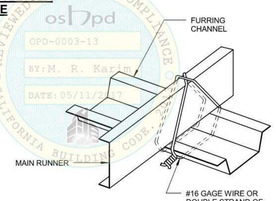
S_{DS} (g)	Fp
$S_{DS} \leq 1.15$	9.3 plf
$1.15 < S_{DS} \leq 1.73$	14.0 plf
$1.73 < S_{DS} \leq 2.50$	20.9 plf

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No: CG2.30

Sheet Title: CEILING PERIMETER



SADDLE TIE AT MAIN RUNNER TO HANGER WIRE

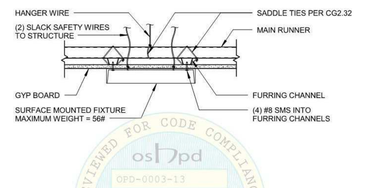


SADDLE TIE AT FURRING CHANNEL TO MAIN RUNNER

NOTE:
REFERENCE ASTM C754 FIGURES 5 & 13

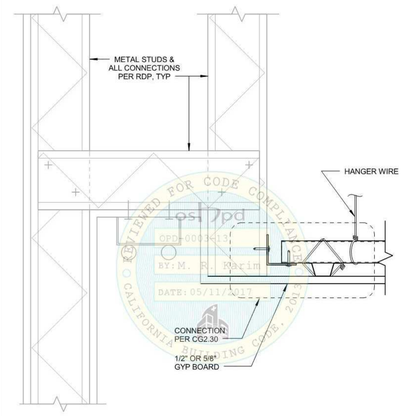
Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No: CG2.32

Sheet Title: SADDLE TIE DETAILS



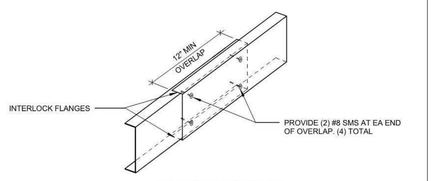
Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No: CG2.70

Sheet Title: SURFACE MOUNTED FIXTURE

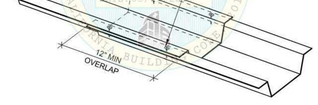


Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No: CG2.72

Sheet Title: RECESSED COVE LIGHT FIXTURE



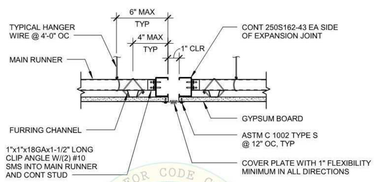
MAIN RUNNER SPLICE



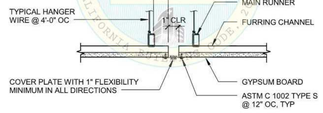
FURRING CHANNEL SPLICE

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No: CG2.31

Sheet Title: SPLICE DETAILS



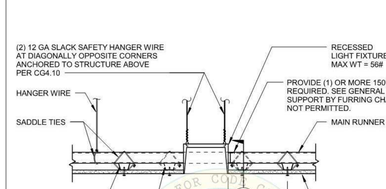
EXPANSION JOINT PARALLEL TO FURRING CHANNEL

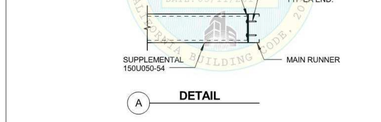


EXPANSION JOINT PARALLEL TO MAIN RUNNER

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No: CG2.40

Sheet Title: EXPANSION JOINT AT INTERSECTIONS





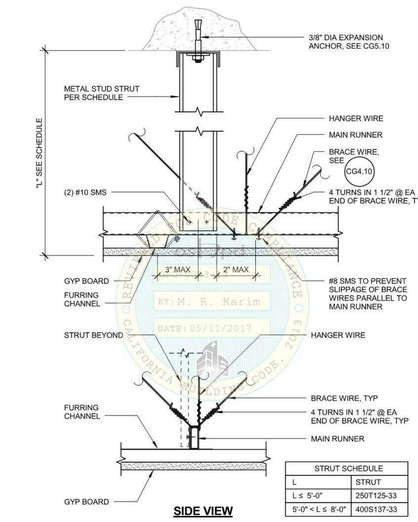
A **DETAIL**

NOTE:

IF THE MAIN RUNNER IS CUT DUE TO FIXTURES, RDP SHALL SPECIFY ADDITIONAL HANGER WIRES AND/OR BRACING WIRES, AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY.

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No: CG2.71

Sheet Title: RECESSED LIGHT FIXTURE



SIDE VIEW

STRUT SCHEDULE	
L	STRUT
L ≤ 5'-0"	250T125-33
5'-0" < L ≤ 8'-0"	400S137-33

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No: CG3.10

Sheet Title: STRUT & BRACING WIRE ASSEMBLY - METAL STUD TYPE STRUT

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Office of Statewide Hospital Planning and Development
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Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - GYPSUM BOARD CEILING, CG2.21 - CG3.10

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.17
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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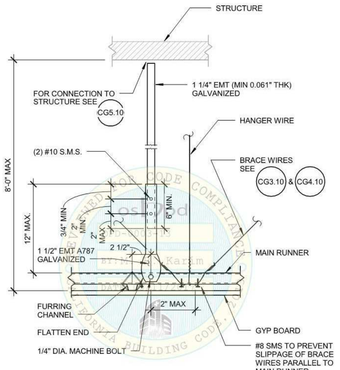
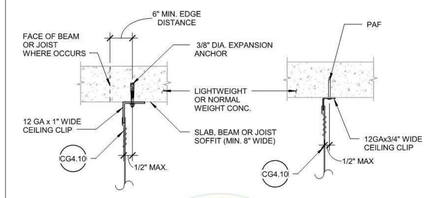


NOTE: FOR INFORMATION NOT SHOWN, SEE CG2.10 AND CG3.10

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : STRUT & BRACING WIRE ASSEMBLY - TUBE TYPE STRUT	CG3.20

STRUCTURAL CONDITION OF FLOOR/ ROOF ABOVE SUSPENDED CEILING	APPLICABLE HANGER WIRE DETAIL	APPLICABLE BRACING WIRE DETAIL
CONCRETE OVER METAL DECK	CG4.21	CG4.31
CONCRETE SLAB, BEAM, OR JOIST	CG4.22	CG4.32
STRUCTURAL STEEL	CG4.23	CG4.33
~~WOOD TIMBER~~	~~CG4.24~~	~~CG4.34~~
METAL STUD WALL	CG4.25	CG4.35

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : HANGER AND BRACING WIRE CONNECTION MATRIX	CG4.11

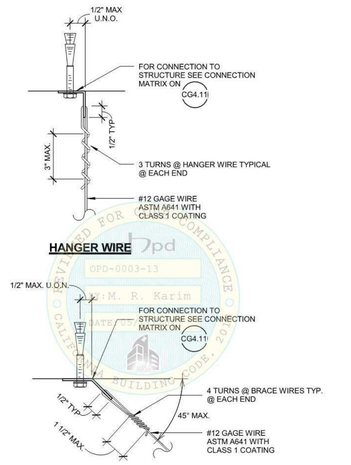


OPTION 1 OPTION 2

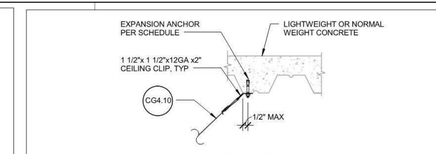
NOTES:

1. LOAD TEST IN ACCORDANCE WITH GENERAL NOTE 14(g), PAGE CG0.02 SHALL BE REQUIRED
2. PRIOR TO INSTALLATION, REINFORCING/PRESTRESSING BAR LOCATIONS SHALL BE DETERMINED BY NON-DESTRUCTIVE TESTING
3. REFER TO CG4.10 FOR ADDITIONAL DETAILS

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : HANGER WIRE - CONCRETE SLAB, BEAM, OR JOIST	CG4.22

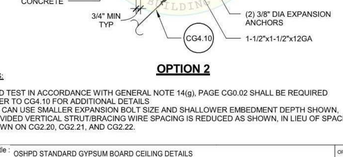


Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : HANGER AND BRACE WIRE CONNECTION - TYPICAL WIRE TURNS	CG4.10



OPTION 1

ANCHOR BOLT SIZE	SPLAY BRACE/COMP POST SPACING	SDS (α) RANGE (z/h = 1.0)	DECK TYPE
5/8 x 4 1/4" EMBED	8' x 8' (PER CG2.20)	$1.73<S_{DS}\leq 2.5$ (PER CG2.20)	W3 + 3 1/4" MIN PER GX1.20
5/8 x 4 1/4" EMBED	8' x 12' (PER CG2.21)	$1.15<S_{DS}\leq 1.73$ (PER CG2.21)	W3 + 3 1/4" MIN PER GX1.20
5/8 x 4 1/4" EMBED	12' x 12' (PER CG2.22)	$0<S_{DS}\leq 1.15$ (PER CG2.22)	W3 + 3 1/4" MIN PER GX1.20
3/8 x 2" EMBED[3]	8' x 8' (PER CG2.20)[3]	$0.76<S_{DS}\leq 1.14$ (IN LIEU OF S_{DS} SHOWN ON CG2.20) [3]	W3 + 3 1/4" MIN PER GX1.20 OR B 1 1/2" + 2 1/4" MIN PER GX1.22
3/8 x 2" EMBED[3]	8' x 12' (PER CG2.21)[3]	$0.51<S_{DS}\leq 0.76$ (IN LIEU OF S_{DS} SHOWN ON CG2.21) [3]	W3 + 3 1/4" MIN PER GX1.20 OR B 1 1/2" + 2 1/4" MIN PER GX1.22
3/8 x 2" EMBED[3]	12' x 12' (PER CG2.22)[3]	$0<S_{DS}\leq 0.51$ (IN LIEU OF S_{DS} SHOWN ON CG2.22) [3]	W3 + 3 1/4" MIN PER GX1.20 OR B 1 1/2" + 2 1/4" MIN PER GX1.22



OPTION 2

NOTES:

1. LOAD TEST IN ACCORDANCE WITH GENERAL NOTE 14(g), PAGE CG0.02 SHALL BE REQUIRED
2. REFER TO CG4.10 FOR ADDITIONAL DETAILS
3. RDP CAN USE SMALLER EXPANSION BOLT SIZE AND SHALLOWER EMBEDMENT DEPTH SHOWN, PROVIDED VERTICAL STRUT/BRACING WIRE SPACING IS REDUCED AS SHOWN, IN LIEU OF SPACINGS SHOWN ON CG2.20, CG2.21, AND CG2.22.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : BRACING WIRE - CONCRETE OVER METAL DECK	CG4.31

OPTION 1 OPTION 2

OPTION 3

NOTES:

1. LOAD TEST IN ACCORDANCE WITH GENERAL NOTE 14(g), PAGE CG0.02 SHALL BE REQUIRED
2. REFER TO CG4.10 FOR ADDITIONAL DETAILS

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : HANGER WIRE - CONCRETE OVER METAL DECK	CG4.21

HANGER WIRE

NOTES :

1. BEAM FLANGE THICKNESS SHALL NOT BE LESS THAN 3/16" OR MORE THAN 3/8"
2. FRAMING MEMBERS SHALL BE DESIGNED TO CARRY THE CEILING LOADS, RDP TO VERIFY
3. RDP IN RESPONSIBLE CHARGE, I.O.R. AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : HANGER WIRE - STRUCTURAL STEEL	CG4.23

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : HANGER WIRE - METAL STUD WALL	CG4.25

ANCHOR BOLT SIZE	SPLAY BRACE/COMP POST SPACING	SDS (α) RANGE (z/h = 1.0)
5/8 x 4 1/4" EMBED	8' x 8' (PER CG2.20)	$1.73<S_{DS}\leq 2.5$ (PER CG2.20)
5/8 x 4 1/4" EMBED	8' x 12' (PER CG2.21)	$1.15<S_{DS}\leq 1.73$ (PER CG2.21)
5/8 x 4 1/4" EMBED	12' x 12' (PER CG2.22)	$0<S_{DS}\leq 1.15$ (PER CG2.22)
3/8 x 2" EMBED[3]	8' x 8' (PER CG2.20)[3]	$1.24<S_{DS}\leq 1.86$ (IN LIEU OF S_{DS} SHOWN ON CG2.20) [3]
3/8 x 2" EMBED[3]	8' x 12' (PER CG2.21)[3]	$0.83<S_{DS}\leq 1.24$ (IN LIEU OF S_{DS} SHOWN ON CG2.21) [3]
3/8 x 2" EMBED[3]	12' x 12' (PER CG2.22)[3]	$0<S_{DS}\leq 0.83$ (IN LIEU OF S_{DS} SHOWN ON CG2.22) [3]

NOTES:

1. LOAD TEST IN ACCORDANCE WITH GENERAL NOTE 14(g), PAGE CG0.02 SHALL BE REQUIRED.
2. REFER TO CG4.10 FOR ADDITIONAL DETAILS.
3. RDP CAN USE SMALLER EXPANSION BOLT SIZE AND SHALLOWER EMBEDMENT DEPTH SHOWN, PROVIDED VERTICAL STRUT/BRACING WIRE SPACING IS REDUCED AS SHOWN, IN LIEU OF SPACING SHOWN IN CG2.20, CG2.21 AND CG2.22.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : BRACING WIRE - CONCRETE SLAB, BEAM, OR JOIST	CG4.32

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APPROVED
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Office of Statewide Hospital Planning and Development
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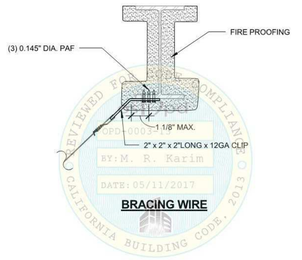
Sheet Title: OPD - GYPSUM BOARD CEILING, CG3.20 - CG4.32

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.18
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

6/20/2024 4:58:43 PM C:\Revit_Locals\5938 UCDH Central Pharmacy_Central_R23-REVISED SCOPE_aurocDA58.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

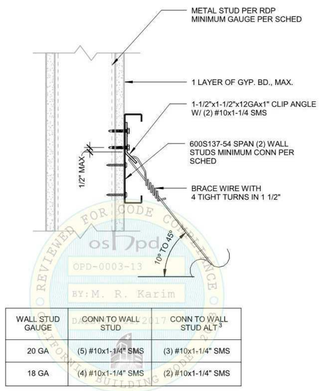


BRACING WIRE

NOTES :

1. BEAM FLANGE THICKNESS SHALL NOT BE LESS THAN 3/16" OR MORE THAN 3/8".
2. FRAMING MEMBERS SHALL BE DESIGNED TO CARRY THE CEILING LOADS, RDP TO VERIFY
3. RDP IN RESPONSIBLE CHARGE, I.O.R. AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No:
Sheet Title : BRACING WIRE - STRUCTURAL STEEL | CG4.33

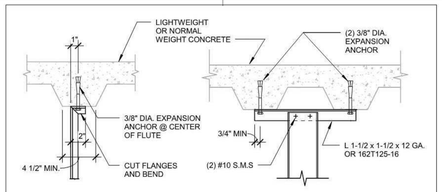


WALL STUD GAUGE	CONN TO WALL STUD	CONN TO WALL STUD ALT.[1]
20 GA	(5) #10x1-1/4" SMS	(3) #10x1-1/4" SMS
18 GA	(4) #10x1-1/4" SMS	(2) #10x1-1/4" SMS

NOTES:

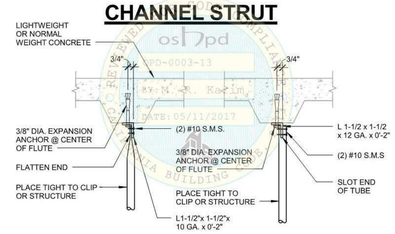
1. RDP SHALL DESIGN FRAMING WALL TO CARRY THE CEILING LOAD PER NOTE #2.
2. SEISMIC BRACE WIRE FORCE = 473 LBS (LRFD LOAD). BRACING WIRE SHALL HAVE A MINIMUM STRETCH LENGTH (CLR LENGTH BTWN TURNS) OF 12", WHEN USED AT FREE JOINT.
3. APPLIES WHERE CLIP ATTACHED DIRECTLY TO WALL STUD.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No:
Sheet Title : BRACING WIRE - METAL STUD WALL | CG4.35



OPTION 1 **OPTION 2**

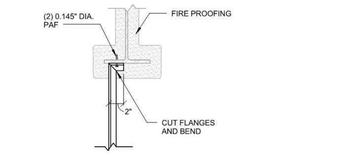
CHANNEL STRUT



OPTION 1 **OPTION 2**

TUBE STRUT

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No:
Sheet Title : STRUT CONNECTION TO CONCRETE OVER METAL DECK | CG5.20



CHANNEL STRUT

OPTION 1 **OPTION 2**

TUBE STRUT

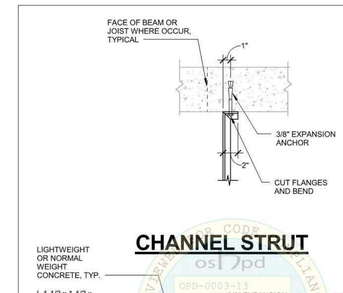
NOTES:

1. STRUCTURAL STEEL MEMBER SHALL HAVE A MINIMUM FLANGE THICKNESS OF 3/16" AND MAXIMUM OF 3/8".
2. FRAMING MEMBERS MUST BE DESIGNED TO CARRY THE CEILING LOADS, RDP TO VERIFY.
3. RDP IN RESPONSIBLE CHARGE, I.O.R. AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.
4. SEE PAGES CG5.20 & CG5.30 FOR ADDITIONAL INFORMATION.

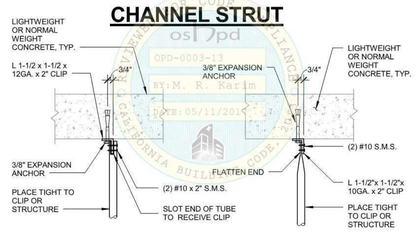
Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No:
Sheet Title : STRUT CONNECTION TO STRUCTURAL STEEL | CG5.40

STRUCTURAL CONDITION OF FLOOR / ROOF ABOVE STRUT	APPLICABLE DETAIL
CONCRETE OVER METAL DECK	CG5.20
CONCRETE SLAB, BEAM, OR JOIST	CG5.30
STRUCTURAL STEEL	CG5.40
SAWN TIMBER WITH GYPSUM BOARD	CG5.50
SAWN TIMBER WITHOUT GYPSUM BOARD	CG5.60

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No:
Sheet Title : STRUT CONNECTION MATRIX | CG5.10



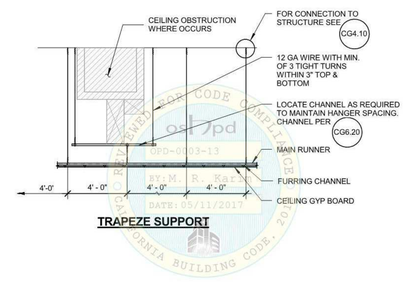
CHANNEL STRUT



OPTION 1 **OPTION 2**

TUBE STRUT

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No:
Sheet Title : STRUT CONNECTION TO CONCRETE SLAB, BEAM OR JOIST | CG5.30



TRAPEZE SUPPORT

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS | OPD No:
Sheet Title : OBSTRUCTION - TRAPEZE CONDITION | CG6.10

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - GYPSUM BOARD CEILING, CG4.33 - CG6.10

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.19
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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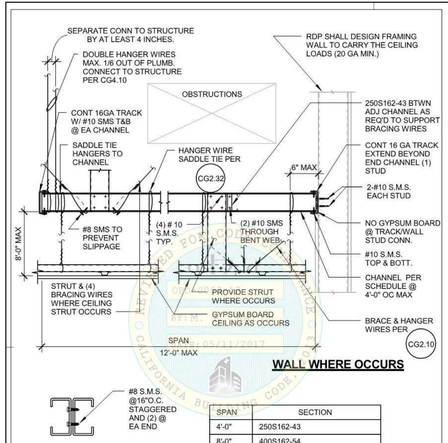
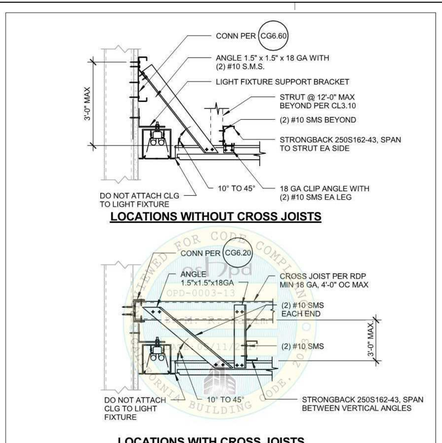


WALL WHERE OCCURS

SPAN	SECTION
4'-0"	250S162-43
8'-0"	400S162-54
12'-0"	(2) 400S162-54

DBL. SECTION

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title: OBSTRUCTION-BRIDGE AT LARGE OFFSET CONDITION — CG6.20



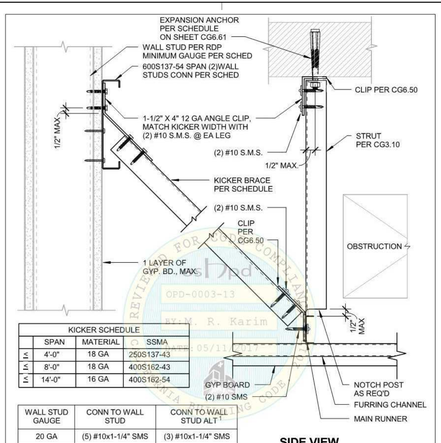
LOCATIONS WITHOUT CROSS JOISTS

LOCATIONS WITH CROSS JOISTS

NOTES:

1. RDP SHALL VERIFY CROSS JOIST, STRONGBACK, STRUT, BRACE, AND SUPPORTING WALL.
2. DETAILS IN THIS PAGE ARE ONLY PERMITTED AT THE ATTACHED END OF THE CEILING AND ARE NOT PERMITTED AT THE FREE JOINT.
3. ALL BRACING AND HANGER WIRES PER CL3.10 REQUIRED.

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title: OBSTRUCTION-RECESSED LIGHT AT PERIMETER — CG6.40



KICKER SCHEDULE			
	SPAN	MATERIAL	SSMA
H.I.	4'-0"	18 GA	250S137-43
H.I.	8'-0"	18 GA	400S162-43
H.I.	14'-0"	16 GA	400S162-54

WALL STUD GAUGE	CONN TO WALL STUD	CONN TO WALL STUD ALT [1]
20 GA	(5) #10x1-1/4" SMS	(3) #10x1-1/4" SMS
18 GA	(4) #10x1-1/4" SMS	(2) #10x1-1/4" SMS

NOTES:
1. KICKER BRACING IS AN ALTERNATE TO BRACING WIRES. THIS METHOD MAY BE USED IN LIEU OF OPPOSING WIRES AT ATTACHED JOINT ONLY. NOT PERMITTED AT FREE JOINT
2. RDP SHALL DESIGN FRAMED WALLS TO CARRY THE CEILING LOADS
3. APPLIES WHERE CLIP ATTACHED DIRECTLY TO WALL STUD.
4. REFER TO CG6.50 FOR BALANCE OF INFO.

SIDE VIEW

SUSPENDED GYPBOARD CEILING - WIRE OBSTRUCTION DETAIL W/STUD KICKER, LESS BRACING WIRES, TO WALL

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title: OBSTRUCTION-STUD KICKER TO WALL - PAGE 1 OF 2 — CG6.60

6. DESIGN CRITERIA
   a. BUILDING CODE: 2013 CALIFORNIA BUILDING CODE (2013 CBC), ASCE 7-10, AND AISI S100-07/S2-10. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1605A.3.1.
   b. FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS.
   c. THE DESIGN ASSUMES THAT BUILDING ELEMENTS AND SUPPORTS, TO WHICH THE COMPONENTS ADDRESSED IN THIS DOCUMENT ARE ATTACHED, HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING BUILDING ELEMENTS IS BEYOND THE SCOPE OF THE OPD. RDP SHALL DESIGN THE WALLS SUPPORTING JOISTED CEILING FOR GRAVITY AND SEISMIC FORCES FROM THE CEILING IN ADDITION TO OTHER WALL ESIGN LOADS.
   d. THIS OPD IS LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING FIXTURES (LUMINERIES) AND MECHANICAL SERVICES. EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM. HEAVIER SYSTEM AND THOSE SUPPORTING LATERAL FORCES FROM PARTITION WALLS ARE OUTSIDE THE SCOPE OF THIS OPD AND WILL REQUIRE PROJECT SPECIFIC DESIGN.
7. THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THE FIRE RESISTENCE AND ACOUSTICAL RATINGS FOR ALL CEILING ASSEMBLIES.
8. CEILING FIXTURES, TERMINALS, AND DEVICES:
   a. ALL LIGHT FIXTURES, AIR TERMINALS/GRILLS, OR OTHER DEVICES (REFERRED TO ALL BY COMMON TERM FIXTURES HEREAFTER) SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE.
   b. ALL LIGHT FIXTURES SHALL BE SUPPORTED DIRECTLY BY JOIST FRAMING OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY JOIST FRAMING AND POSITIVELY ATTACHED WITH SCREWS OR OTHER APPROVED CONNECTORS.
   c. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO JOIST FRAMING WITH A POSITIVE CLAMPING DEVICE MADE OF MATERIAL WITH A MINIMUM OF 14 GAGE. ROTATIONAL SPRING CLAMPS DO NOT COMPLY.
   d. ACCESS PANELS: ACCESS TO THE SPACE BETWEEN THE CEILING AND THE FLOOR OR ROOF ABOVE SHALL NOT BE ALLOWED. SMALL ACCESS PANELS FOR THE INSPECTION, ADJUSTMENT, OR REPAIR OF UTILITY SWITCHES, VALVES, SENSORS, ETC. MAY BE ALLOWED IF THE PANEL IS LESS THAN 300 SQUARE INCHES. SUCH PANELS SHALL ALSO HAVE A PERMANENT WARNING LABEL AS FOLLOWS:
      WARNING: 1. DO NOT CLIMB, WALK, OR CRAWL ON THE GYPSUM BOARD CEILING.
      2. DO NOT STORE OR STOW ANYTHING ON THE GYPSUM BOARD CEILING.
   e. ALL LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE ONE NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
   f. ALL LIGHT FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN 56 LB. SHALL HAVE TWO NO. 12 GAUGE WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
   g. ALL LIGHT FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS.
   h. PENDENT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN NO. 9-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT. THE CEILING SUSPENSION SYSTEM SHALL NOT PROVIDE ANY DIRECT SUPPORT.
   i. ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. LEVELLING OR POSITIONING OF FIXURES MAY BE PROVIDED BY JOIST FRAMING. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE JOIST FRAMING. FIXTURES SHALL NOT BE SUPPORTED FROM JOIST FRAMING IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title: JOISTED GYP BOARD CEILING GENERAL NOTES — CJ0.01

9. CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY. POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY APPROVED TESTING AGENCY.

METAL STUDS

1. COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2013 CBC SECTIONS 2210A AND 2211A.
2. ALL LIGHTGAGE METAL FRAMING SHALL CONFORM WITH THE FOLLOWING: (SEE GENERAL NOTE #4 FOR ADDITIONAL REQUIREMENTS)

GALVANIZED STUDS & TRACKS: 12 (97), 14 (68) OR 16 (54) GAGE (MILS)	ASTM A653-11, GR50 (Fy = 50,000 psi)
GALVANIZED STUDS & TRACKS: 18 (43) GAGE (MILS) AND LIGHTER SECTIONS	ASTM A653-11, GR 33 (Fy = 33,000 psi)
GALVANIZED BACKING PLATES:	ASTM A653-11, GR50 (Fy = 50,000 psi)
GALVANIZED END CLOSURES, BRIDGING AND ACCESSORIES	ASTM A653-11, GR 33 (Fy = 33,000 psi)

MINIMUM STUD PROPERTIES SHALL BE PER GX1.40, TYP.

GYPSUM BOARD INSTALLATION

GYPSUM BOARD INSTALLATION SHALL COMPLY WITH ASTM C840-11:

1. GYPSUM BOARD SHALL CONSIST OF SINGLE-PLY ½" OR 5/8" THICK IN ACCORDANCE WITH ASTM C11-10a.
2. GYPSUM BOARD SHALL BE INSTALLED PERPENDICULAR TO FURRING WITH SCREWS AT 12" ON CENTER MAXIMUM, IN ACCORDANCE WITH ASTM C840-11.
3. GYPSUM BOARD SHALL BE ATTACHED TO FURRING/FRAMING WITH ASTM C1002-07 TYPE S (ASTM A568-11b GRADES 1018 TO 1022) SCREWS (NOT LESS THAN, NO. 6, WITH MAJOR DIAMETER NOT LESS THAN 0.136 IN).

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title: JOISTED GYP BOARD CEILING GENERAL NOTES — CJ0.02

ISOMETRIC

A DETAIL

OPPOSING STRUTS FOR GYPSUM BOARD CEILING

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title: OBSTRUCTION-COUNTER SLOPING STRUTS — CG6.30

ISOMETRIC VIEW — SIDE VIEW

SUSPENDED GYPBOARD CEILING - WIRE OBSTRUCTION DETAIL W/ STUD KICKER, LESS BRACING WIRES, TO DECK.

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title: OBSTRUCTION-STUD KICKER TO OVERHEAD — CG6.50

ANCHOR BOLT SIZE	SPLAY BRACE/COMP POST SPACING	SDS (g) RANGE (α_h = 1.0)	DECK TYPE
5/8 x 4 1/4" EMBED	8' x 8' (PER CG2.20)	$1.73 < S_{DS} \leq 2.5$ (PER CG2.20)	W3 + 3 1/4" MIN PER GX1.20
5/8 x 4 1/4" EMBED	8' x 12' (PER CG2.21)	$1.15 < S_{DS} \leq 1.73$ (PER CG2.21)	W3 + 3 1/4" MIN PER GX1.20
5/8 x 4 1/4" EMBED	12' x 12' (PER CG2.22)	$0 < S_{DS} \leq 1.15$ (PER CG2.22)	W3 + 3 1/4" MIN PER GX1.20
3/8 x 2" EMBED [1]	8' x 8' (PER CG2.20)	$0.90 < S_{DS} \leq 1.35$ (IN LIEU OF S_{DS} SHOWN ON CG2.20) [1]	W3 + 3 1/4" MIN PER GX1.20 OR B 1 1/2" + 2 1/4" MIN PER GX1.22
3/8 x 2" EMBED [1]	8' x 12' (PER CG2.21)	$0.60 < S_{DS} \leq 0.90$ (IN LIEU OF S_{DS} SHOWN ON CG2.21) [1]	W3 + 3 1/4" MIN PER GX1.20 OR B 1 1/2" + 2 1/4" MIN PER GX1.22
3/8 x 2" EMBED [1]	12' x 12' (PER CG2.22)	$0 < S_{DS} \leq 0.60$ (IN LIEU OF S_{DS} SHOWN ON CG2.22) [1]	W3 + 3 1/4" MIN PER GX1.20 OR B 1 1/2" + 2 1/4" MIN PER GX1.22

NOTE:
1. RDP CAN USE SMALLER EXPANSION BOLT SIZE AND SHALLOWER EMBEDMENT DEPTH SHOWN, PROVIDED VERTICAL STRUT/BRACING WIRE SPACING IS REDUCED AS SHOWN, IN LIEU OF SPACINGS SHOWN ON CL2.20, CL2.21, AND CL2.22.

Section Title: OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title: OBSTRUCTION-STUD KICKER TO WALL - PAGE 2 OF 2 — CG6.61

6. DESIGN CRITERIA
   a. BUILDING CODE: 2013 CALIFORNIA BUILDING CODE (2013 CBC), ASCE 7-10, AND AISI S100-07/S2-10. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1605A.3.1.
   b. FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS.
   c. THE DESIGN ASSUMES THAT BUILDING ELEMENTS AND SUPPORTS, TO WHICH THE COMPONENTS ADDRESSED IN THIS DOCUMENT ARE ATTACHED, HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING BUILDING ELEMENTS IS BEYOND THE SCOPE OF THE OPD. RDP SHALL DESIGN THE WALLS SUPPORTING JOISTED CEILING FOR GRAVITY AND SEISMIC FORCES FROM THE CEILING IN ADDITION TO OTHER WALL ESIGN LOADS.
   d. THIS OPD IS LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING FIXTURES (LUMINERIES) AND MECHANICAL SERVICES. EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM. HEAVIER SYSTEM AND THOSE SUPPORTING LATERAL FORCES FROM PARTITION WALLS ARE OUTSIDE THE SCOPE OF THIS OPD AND WILL REQUIRE PROJECT SPECIFIC DESIGN.
7. THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THE FIRE RESISTENCE AND ACOUSTICAL RATINGS FOR ALL CEILING ASSEMBLIES.
8. CEILING FIXTURES, TERMINALS, AND DEVICES:
   a. ALL LIGHT FIXTURES, AIR TERMINALS/GRILLS, OR OTHER DEVICES (REFERRED TO ALL BY COMMON TERM FIXTURES HEREAFTER) SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE.
   b. ALL LIGHT FIXTURES SHALL BE SUPPORTED DIRECTLY BY JOIST FRAMING OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY JOIST FRAMING AND POSITIVELY ATTACHED WITH SCREWS OR OTHER APPROVED CONNECTORS.
   c. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO JOIST FRAMING WITH A POSITIVE CLAMPING DEVICE MADE OF MATERIAL WITH A MINIMUM OF 14 GAGE. ROTATIONAL SPRING CLAMPS DO NOT COMPLY.
   d. ACCESS PANELS: ACCESS TO THE SPACE BETWEEN THE CEILING AND THE FLOOR OR ROOF ABOVE SHALL NOT BE ALLOWED. SMALL ACCESS PANELS FOR THE INSPECTION, ADJUSTMENT, OR REPAIR OF UTILITY SWITCHES, VALVES, SENSORS, ETC. MAY BE ALLOWED IF THE PANEL IS LESS THAN 300 SQUARE INCHES. SUCH PANELS SHALL ALSO HAVE A PERMANENT WARNING LABEL AS FOLLOWS:
      WARNING: 1. DO NOT CLIMB, WALK, OR CRAWL ON THE GYPSUM BOARD CEILING.
      2. DO NOT STORE OR STOW ANYTHING ON THE GYPSUM BOARD CEILING.
   e. ALL LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE ONE NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
   f. ALL LIGHT FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN 56 LB. SHALL HAVE TWO NO. 12 GAUGE WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
   g. ALL LIGHT FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS.
   h. PENDENT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN NO. 9-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT. THE CEILING SUSPENSION SYSTEM SHALL NOT PROVIDE ANY DIRECT SUPPORT.
   i. ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. LEVELLING OR POSITIONING OF FIXURES MAY BE PROVIDED BY JOIST FRAMING. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE JOIST FRAMING. FIXTURES SHALL NOT BE SUPPORTED FROM JOIST FRAMING IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title: JOISTED GYP BOARD CEILING GENERAL NOTES — CJ0.01

CEILING JOIST - FINISH ONE SIDE ONLY

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title: JOISTED GYP BOARD CEILING BLOCKING DETAIL — CJ2.10

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
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Office of Statewide Hospital Planning and Development
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Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — KEVIN M. YAMAUCHI — C-26566 — 02-28-2025 RENEWAL DATE — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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CONSULTANTS:

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Account No.: 9558910
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Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - GYPSUM BOARD CEILING, CG6.20 - CJ2.10

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.20
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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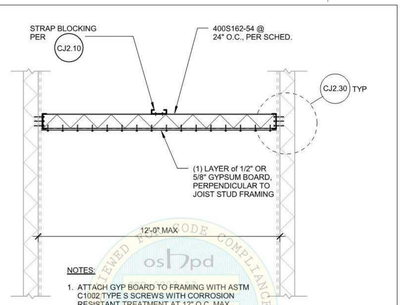


NOTES:

1. ATTACH GYP BOARD TO FRAMING WITH ASTM C1002 TYPE S SCREWS WITH CORROSION RESISTANT TREATMENT AT 12" O.C. MAX.
2. WHEN GYPSUM BOARD IS TO BE APPLIED TO BOTH CEILING AND WALLS, GYPSUM BOARD SHALL BE APPLIED FIRST TO THE CEILING AND THEN TO THE WALLS IN ACCORDANCE WITH ASTM C840.

JOIST GYP-BOARD CEILING SECTION

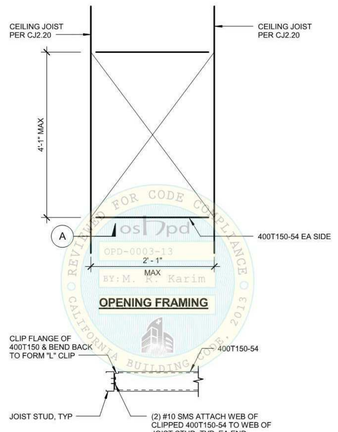
JOIST SPAN SCHEDULES

JOIST STUD SIZE	S_{DS} (g)	BRIDGING LOCATION	F_P ALLOWABLE FOR WALL DESIGN
SCHEDULE A - JOIST CONNECTION FASTENS THROUGH (2) LAYERS OF GYPSUM BOARD MAX			
400S162-54	$S_{DS} \leq 1.15$	MIDPOINT	6.6 plf
	$1.15 < S_{DS} \leq 1.73$	MIDPOINT	9.9 plf
	$1.73 < S_{DS} \leq 2.59$	MIDPOINT	14.9 plf

1. SEE CJ2.31 FOR TYPICAL 4'-1" x 2'-1" MAX OPENING IN JOISTED CEILING.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:

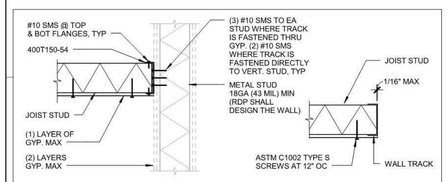
Sheet Title : JOISTED GYP BOARD CEILING MAXIMUM SPANS — CJ2.20

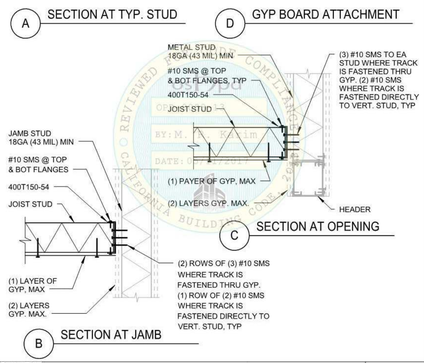


A TYPICAL CONNECTION

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:

Sheet Title : JOISTED GYP BOARD CEILING AT OPENINGS — CJ2.31





Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:

Sheet Title : JOISTED GYP BOARD CEILING CONNECTIONS — CJ2.30

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Sheet Title: OPD - GYPSUM BOARD CEILING, CJ2.20 - CJ2.31

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UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.21
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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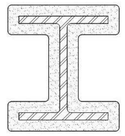
GENERAL NOTES

1. CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING CODE (CBC 2013).
2. THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE CONSTUCTION DRAWINGS AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS, FIELD CONDITIONS, OR WHERE ANY CONDITIONS ARISE NOT COVERED BY THESE DOCUMENTS WHEREIN WORK WILL NOT COMPY WITH CODE REQUIREMENTS.
3. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARD CODE, 2013 (CBSC 2013). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2013, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
4. THE FIRE-RESISTANCE RATING OF BUILDING ELEMENTS, COMPONENT OR ASSEMBLIES SHALL BE DETERMINED IN ACCORDANCE WITH ASTM E 119 OR UL 263 OR IN ACCORDANCE WITH CBC SECTION 703.3.
5. WHERE FIRE RESISTIVE PARTITIONS, WALLS AND BARRIERS ARE CONSTRUCTED OF GYPSUM BOARD TO MEET THE FIRE AND SMOKE PROTECTION FEATURES IN ACCORDANCE WITH CBC CHAPTER 7, THEY SHALL MEET THE REQUIREMENTS OF THE FOLLOWING:
   i. THE DOCUMENTED REQUIREMENTS OF TESTING AND LISTING AGENCIES FOR MANUFACTURER'S PROPRIETARY MATERIALS AND CONSTRUCTION METHODS AS SHOWN IN THE TEST REPORT – E.G. UNDERWRITERS LABORATORIES, INTERTEK'S WARNOCK-HERSEY, ETC., OR
   ii. THE GENERIC FILE NUMBERS OF WALLS AND INTERIOR PARTITIONS DOCUMENTED IN THE GYPSUM ASSOCIATION'S PUBLICATION, "FIRE RESISTANCE DESIGN MANUAL, OR
   iii. THE PRESCRIPTIVE CONSTRUCTION ITEMS LISTED IN CBC TABLE 721.1(2) FOR WALLS AND PARTITIONS.
6. WHERE STRUCTURAL MEMBERS ARE PROTECTED WITH SPRAYED FIRE-RESISTANT MATERIALS (SFRM) THEY SHALL MEET THE FIRE RESISTANCE RATING REQUIREMENTS OF SECTION 704 OF THE CBC AND THE FOLLOWING:
   i. THE DOCUMENTED REQUIREMENTS OF TESTING AND LISTING AGENCIES FOR MANUFACTURER'S PROPRIETARY MATERIALS AND CONSTRUCTION METHODS AS SHOWN IN THE TEST REPORT – E.G. UNDERWRITERS LABORATORIES, INTERTEK'S WARNOCK-HERSEY, ETC.
7. WHERE STRUCTURAL MEMBERS ARE PROTECTED WITH OTHER NON-COMBUSTIBLE INSULATING MATERIALS, THEY SHALL MEET THE FIRE RESISTANCE RATING REQUIREMENTS OF SECTION 704 OF THE CBC AND THE FOLLOWING:
   i. THE PRESCRIPTIVE CONSTRUCTION ITEMS LISTED IN CBC TABLE 721.1(1) FOR MINIMUM PROTECTION OF

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR0.00
Sheet Title : GENERAL NOTES PAGE 1 OF 2



STRUCTURAL STEEL COLUMN W/ SPRAY APPLIED FIREPROOFING. REFER STRUCTURAL DRAWINGS

COLD FORMED METAL STUD. REFER ARCHITECTURAL DRAWINGS FOR WALL TYPE.

COLD FORMED SHAFT STUD. REFER ARCHITECTURAL DRAWINGS FOR WALL TYPE.

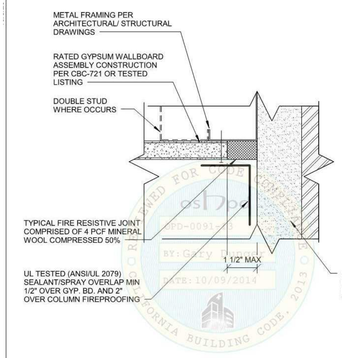
GYPSUM BOARD. REFER ARCHITECTURAL DRAWINGS FOR WALL TYPE.

COMPRESSED MINERAL WOOL MEETING UL (OR EQUALIVALENT) STANDARDS FOR SAFING PRODUCTS

OR

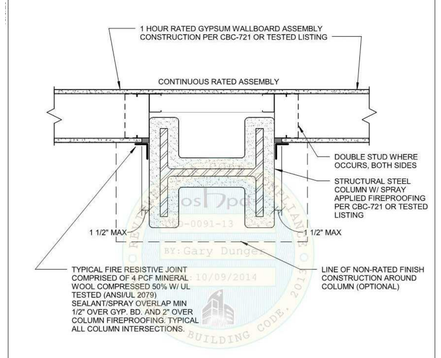
FIRE SEALANT

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR0.02
Sheet Title : GRAPHICS LEGEND



NOTES:
1. MAXIMUM SEPARATION BETWEEN EDGE OF GYPSUM WALLBOARD AND FACE OF FIREPROOFING IS 1 1/2".
2. THE FIRE RESISTIVE RATING OF STEEL COLUMN MUST BE EQUAL OR GREATER THAN WALL RATING.
3. "WET" THICKNESS OF SEALANT TO BE MIN. 1/8" TESTED IN ACCORDANCE WITH ASTM E1966 (ANSI/UL 2079).

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.01
Sheet Title : BASIC JOINT DETAIL FOR 1-HR-FR RATED WALL ASSEMBLIES - FACE JOINT



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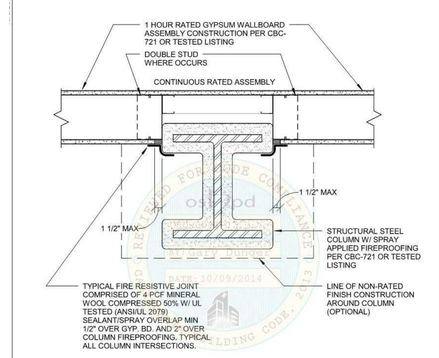
4. SEE FR1.00, FR1.01, FR1.02 FOR JOINT DESCRIPTION

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.10
Sheet Title : INTERSECTION OF 1-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



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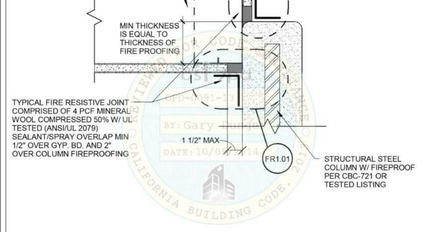
4. SEE FR1.00, FR1.01, FR1.02 FOR JOINT DESCRIPTION

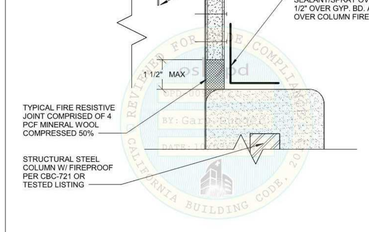
Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.12
Sheet Title : INTERSECTION OF 1-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



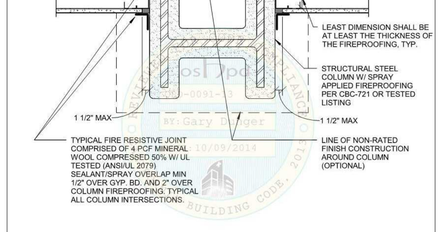
Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.00
Sheet Title : BASIC JOINT DETAIL FOR 1-HR-FR RATED WALL ASSEMBLIES - COMPOSITE @ JOINTS

8. STRUCTURAL DECKS SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF RATED HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH CBC SECTION 711, AND SHALL MEET THE REQUIREMENTS OF THE FOLLOWING:
   i. THE DOCUMENTED REQUIREMENTS OF TESTING AND LISTING AGENCIES FOR MANUFACTURER'S PROPRIETARY MATERIALS AND CONSTRUCTION METHODS AS SHOWN IN THE TEST REPORT – E.G. UNDERWRITERS LABORATORIES, INTERTEK'S WARNOCK-HERSEY, ETC., OR
   ii. THE PRESCRIPTIVE CONSTRUCTION ITEMS LISTED IN CBC TABLE 721.1(3) FOR MINIMUM PROTECTION OF FLOOR AND ROOF SYSTEMS.
9. THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THAT THE USE OF THE OPD IN PROVIDING AN ACCEPTABLE FIRE RESISTIVE RATING FOR SPECIFIC CONDITIONS, WILL ALSO MEET ANY ACOUSTICAL CRITERIA THAT MAY OTHERWISE BE REQUIRED BY THE PROJECT DESIGN CRITERIA.
10. INDIVIDUAL DETAILS WITHIN THIS OPD TYPICALLY RELY UPON OTHER DETAILS FOR INFORMATION ESSENTIAL TO THEIR APPLICATION. OPD'S ARE TO BE USED IN CONJUNCTION WITH ALL RELATED, APPLICABLE DETAILS WITHIN THIS OPD PACKAGE INCLUDING THE GENERAL NOTES.
11. OPD PROVIDE OPTIONS FOR SOME COMPONENTS, SUCH AS FRAMING MEMBER SIZES, FASTENERS, ETC. THE RDP IN RESPONSIBLE CHARGE SHALL CLEARLY IDENTIFY ALL COMPONENTS SELECTED FOR USE IN THE PROJECT-SPECIFIC CONDITIONS.
12. OPD SHALL NOT BE USED AS THE BASIS FOR ENGINEERING JUDGMENTS SUBMITTED TO THE OFFICE PURSUANT TO CBC SECTION 703.3 AND OSHPD CODE APPLICATION NOTICE 2-703.3

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR0.01
Sheet Title : GENERAL NOTES PAGE 2 OF 2



Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.02
Sheet Title : BASIC JOINT DETAIL FOR 1-HR-FR RATED WALL ASSEMBLIES - END JOINT



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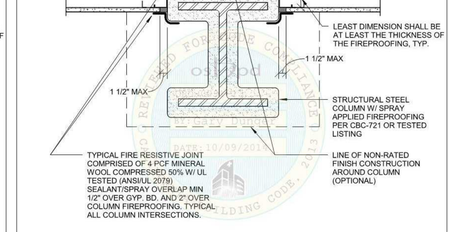
4. SEE FR1.00, FR1.01, FR1.02 FOR JOINT DESCRIPTION

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.11
Sheet Title : INTERSECTION OF 1-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



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4. SEE FR1.00, FR1.01, FR1.02 FOR JOINT DESCRIPTION

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.13
Sheet Title : INTERSECTION OF 1-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN

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Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
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Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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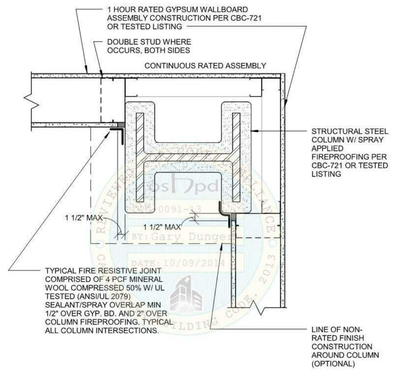

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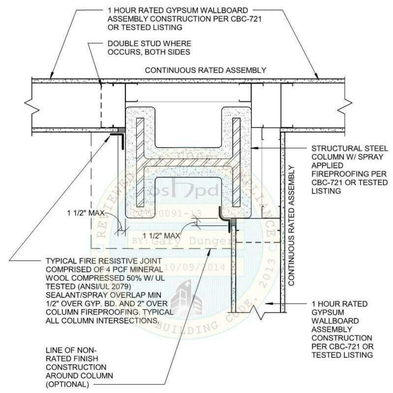
Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.14

Sheet Title : INTERSECTION OF 1-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



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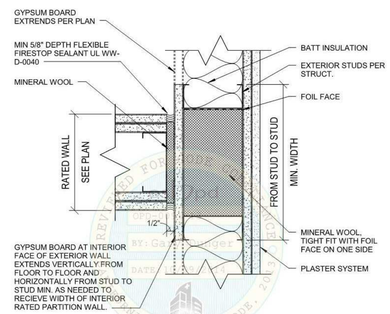
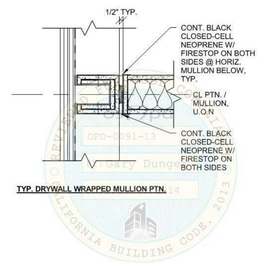
Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.16

Sheet Title : INTERSECTION OF 1-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.33

Sheet Title : RATED INTERIOR WALL TERMINATION AT EXTERIOR PLASTER WALL

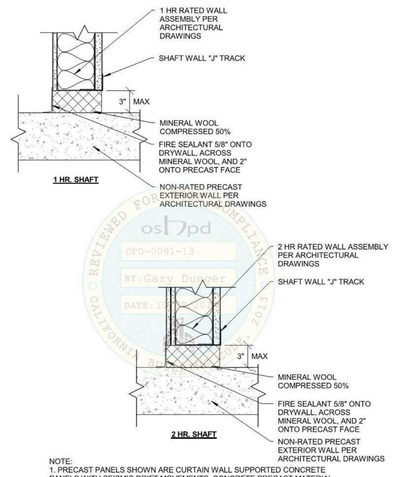


TYP. DRYWALL WRAPPED MULLION PTN.

NOTE:
1. JOINT TRANSITIONS FROM VERTICAL AND HORIZONTAL MULLIONS TO RATED PARTITION ARE TO BE SEISMICALLY COMPATIBLE WITH BUILDING MOVEMENTS.

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.38

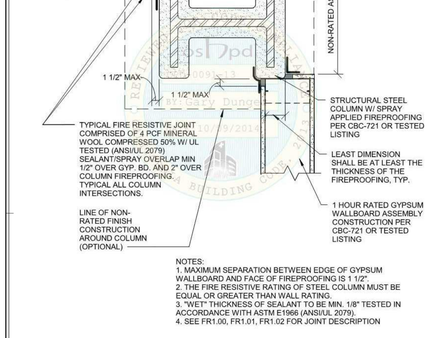
Sheet Title : PARTITION TERMINATION @ MULLION - WRAPPED



NOTE:
1. PRECAST PANELS SHOWN ARE CURTAIN WALL SUPPORTED CONCRETE PANELS WITH SEISMIC DRIFT MOVEMENTS. CONCRETE PRECAST MATERIAL TO BE FULL DEPTH OF PANEL.

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.40

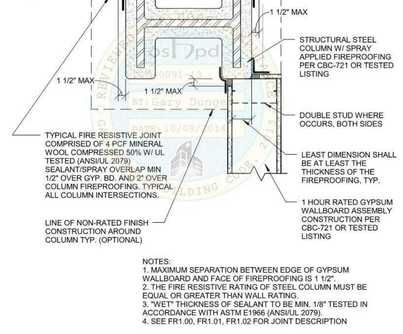
Sheet Title : SHAFTWALL TERMINATION TO PRECAST



NOTES:
1. MAXIMUM SEPARATION BETWEEN EDGE OF GYPSUM WALLBOARD AND FACE OF FIREPROOFING IS 1 1/2".
2. THE FIRE RESISTIVE RATING OF STEEL COLUMN MUST BE EQUAL OR GREATER THAN WALL RATING.
3. "WET" THICKNESS OF SEALANT TO BE MIN. 1/8" TESTED IN ACCORDANCE WITH ASTM E1966 (ANSI/UL 2079).
4. SEE FR1.00, FR1.01, FR1.02 FOR JOINT DESCRIPTION

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.15

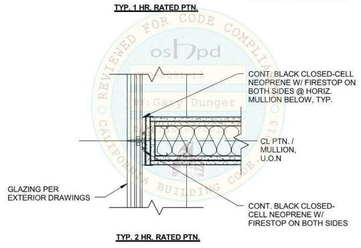
Sheet Title : INTERSECTION OF 1-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



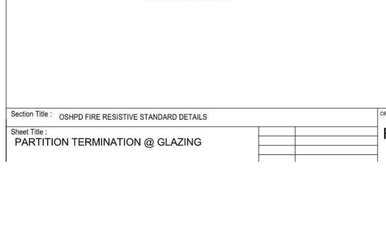
NOTES:
1. MAXIMUM SEPARATION BETWEEN EDGE OF GYPSUM WALLBOARD AND FACE OF FIREPROOFING IS 1 1/2".
2. THE FIRE RESISTIVE RATING OF STEEL COLUMN MUST BE EQUAL OR GREATER THAN WALL RATING.
3. "WET" THICKNESS OF SEALANT TO BE MIN. 1/8" TESTED IN ACCORDANCE WITH ASTM E1966 (ANSI/UL 2079).
4. SEE FR1.00, FR1.01, FR1.02 FOR JOINT DESCRIPTION

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.17

Sheet Title : INTERSECTION OF 1-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



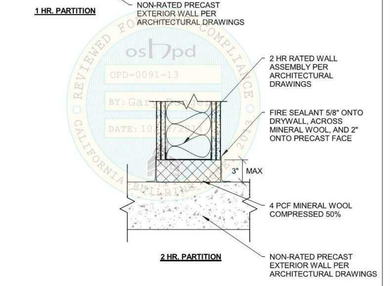
TYP. 1 HR. RATED PTN.



TYP. 2 HR. RATED PTN.

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.35

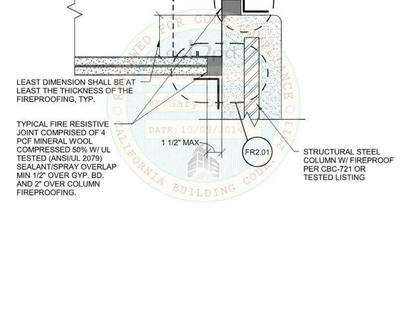
Sheet Title : PARTITION TERMINATION @ GLAZING



NOTE:
1. PRECAST PANELS SHOWN ARE CURTAIN WALL SUPPORTED CONCRETE PANELS WITH SEISMIC DRIFT MOVEMENTS. CONCRETE PRECAST MATERIAL TO BE FULL DEPTH OF PANEL.

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR1.39

Sheet Title : PARTITION TERMINATION TO PRECAST



Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No: FR2.00

Sheet Title : BASIC JOINT DETAIL FOR 2-HR-FR RATED WALL ASSEMBLIES - COMPOSITE @ JOINTS

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT RAY YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel ¦ 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

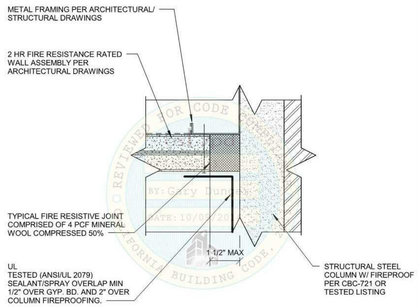
Account No.: 9558910
HCAi No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - FIRE RESISTIVE DETAILS, FR1.14 - FR2.00

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.23
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

6/20/2024 4:58:48 PM C:\Revit_Locals\5938 UCDH Central Pharmacy_Central_R23-REVISED SCOPE_aumo.IDA58.rvt

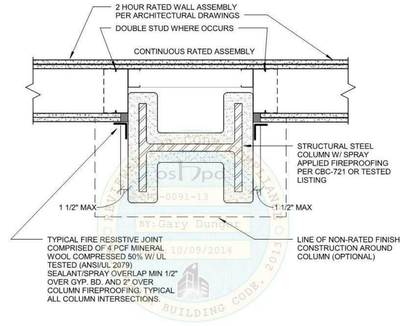
GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY



Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS — OPD No: FR2.01

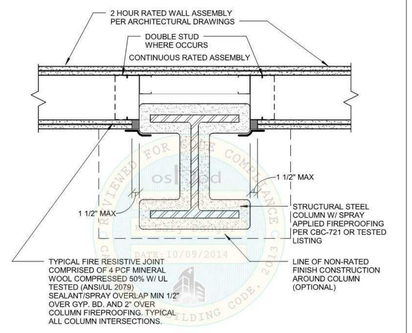
Sheet Title : BASIC JOINT DETAIL FOR 2-HR-FR RATED WALL ASSEMBLIES - FACE JOINT



NOTES:
1. MAXIMUM SEPARATION BETWEEN EDGE OF GYPSUM WALLBOARD AND FACE OF FIREPROOFING IS 1 1/2".
2. THE FIRE RESISTIVE RATING OF STEEL COLUMN MUST BE EQUAL OR GREATER THAN WALL RATING.
3. "WET" THICKNESS OF SEALANT TO BE MIN. 1/8" TESTED IN ACCORDANCE WITH ASTM E1966 (ANSI/UL 2079).
4. SEE FR2.00, FR2.01, FR2.02 FOR JOINT DESCRIPTION

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS — OPD No: FR2.10

Sheet Title : INTERSECTION OF 2-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



NOTES:
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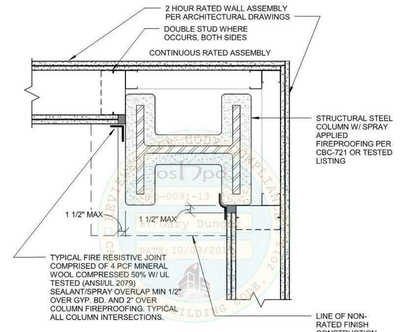
4. SEE FR2.00, FR2.01, FR2.02 FOR JOINT DESCRIPTION

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS — OPD No: FR2.12

Sheet Title : INTERSECTION OF 2-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



NOTES:
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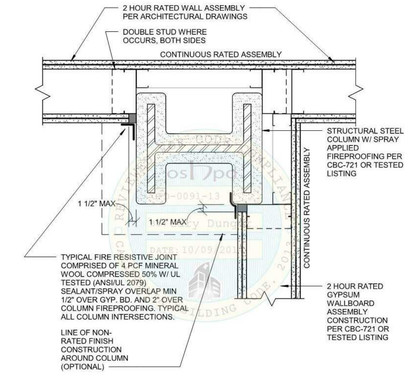
4. SEE FR2.00, FR2.01, FR2.02 FOR JOINT DESCRIPTION

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS — OPD No: FR2.14

Sheet Title : INTERSECTION OF 2-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



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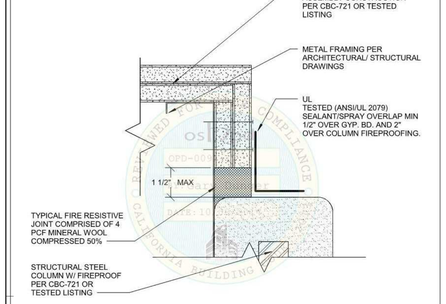
4. SEE FR2.00, FR2.01, FR2.02 FOR JOINT DESCRIPTION

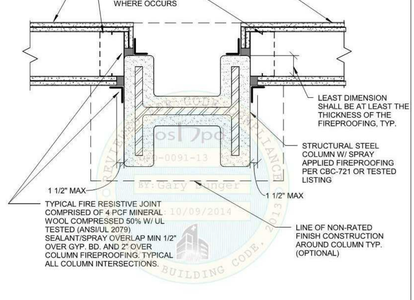
Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS — OPD No: FR2.16

Sheet Title : INTERSECTION OF 2-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS — OPD No: FR2.02

Sheet Title : BASIC JOINT DETAIL FOR 2-HR-FR RATED WALL ASSEMBLIES - END JOINT



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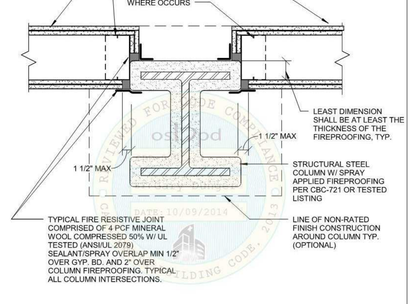
Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS — OPD No: FR2.11

Sheet Title : INTERSECTION OF 2-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



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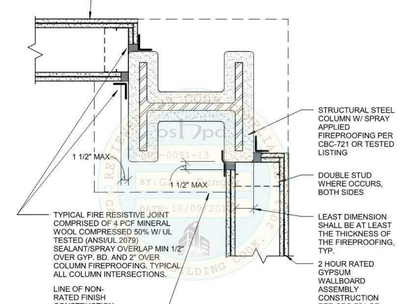
4. SEE FR2.00, FR2.01, FR2.02 FOR JOINT DESCRIPTION

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS — OPD No: FR2.13

Sheet Title : INTERSECTION OF 2-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



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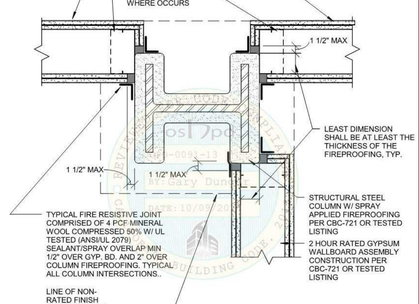
4. SEE FR2.00, FR2.01, FR2.02 FOR JOINT DESCRIPTION

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS — OPD No: FR2.15

Sheet Title : INTERSECTION OF 2-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN



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4. SEE FR2.00, FR2.01, FR2.02 FOR JOINT DESCRIPTION

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS — OPD No: FR2.17

Sheet Title : INTERSECTION OF 2-HR-FR PARTITION, WALL AND BARRIER AT PROTECTED COLUMN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — KEVIN YAMAUCHI — C-26566 — 02-28-2025 RENEWAL DATE — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel ¦ 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - FIRE RESISTIVE DETAILS, FR2.01 - FR2.17

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	**A10.24**
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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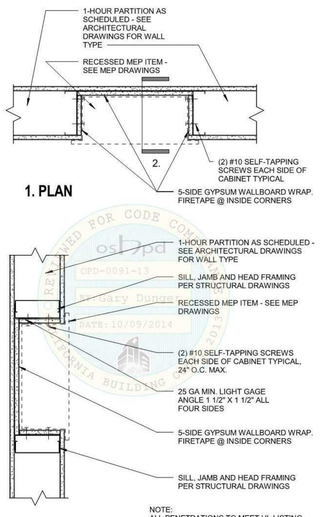
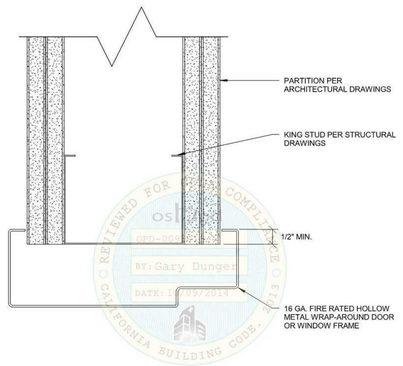
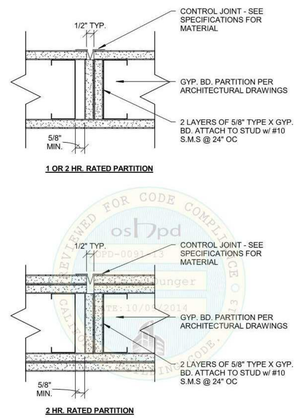


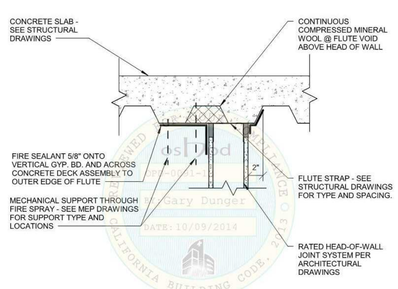
Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No:
Sheet Title : 1 HR. "5-SIDED BOX" @ RECESSED M.E.P. CABINETS | FR3.01



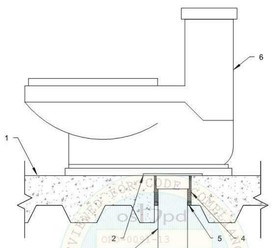
Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No:
Sheet Title : HOLLOW METAL DOOR JAMB @ 2HR-RATED WALL | FR3.03



Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No:
Sheet Title : GYP. BD. CONTROL JOINT @ RATED PARTITIONS - GYP. BD. | FR3.05



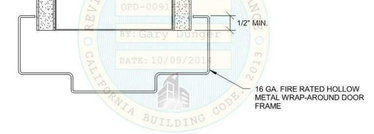
Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No:
Sheet Title : PENETRATION AT TOP OF WALL | FR3.07



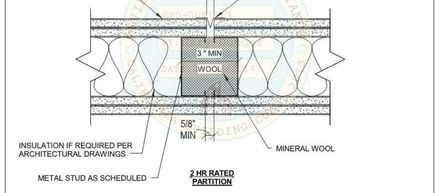
1. CONCRETE FLOOR OVER METAL DECKING ASSEMBLY (MINIMUM 2-1/2" THICK) (2HR. FIRE-RATING).
2. CAST IRON CLOSET FLANGE SIZED TO ACCOMMODATE DRAIN PIPE AND SECURED TO CONCRETE FLOOR WITH CONCRETE ANCHORS.
3. MAXIMUM 4" NOMINAL DIAMETER CAST IRON PIPE.
4. MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED AND RECESSED FROM BOTTOM OF CONCRETE FLOOR TO ACCOMMODATE SEALANT.
5. INTUMESCENT FIRESTOP SEALANT.
6. FLOOR MOUNTED WATER CLOSET.

NOTES: 1. MAXIMUM DIAMETER OF OPENING = 5"
2. ANNULAR SPACE = MINIMUM 3/8"

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No:
Sheet Title : FLOOR SLAB PENETRATION OR WATER CLOSET WASTE LINE | FR4.01

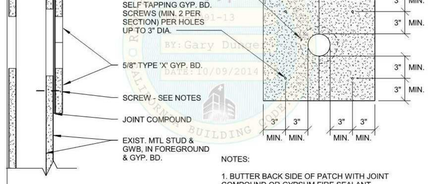


Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No:
Sheet Title : HOLLOW METAL DOOR JAMB @ 1 HR-RATED WALLS | FR3.02



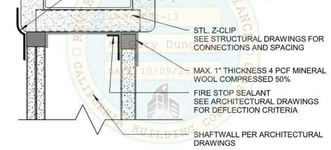
NOTE:
1. CONTROL JOINT MATERIAL MAY TERMINATE 6" ABOVE CEILING LINE. CONTINUE JOINT WITH GYP. BD. TAPE - DO NOT FILL JOINT WITH TAPING COMPOUND.
2. THROUGH JOINTS ARE NOT PERMITTED. OFFSET CONTROL JOINT AT BOTH SIDES OF WALL A MINIMUM OF ONE STUD BAY

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No:
Sheet Title : GYP. BD. CONTROL JOINT @ RATED PARTITIONS - MINERAL WOOL | FR3.04



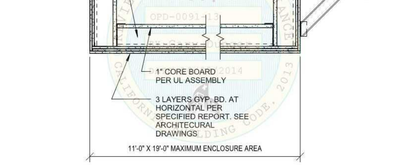
NOTES:
1. BUTTER BACK SIDE OF PATCH WITH JOINT COMPOUND OR GYPSUM FIRE SEALANT
2. LEAVE ALL SCREWS EXPOSED

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No:
Sheet Title : RATED WALL BLOW-OUT PATCH @ PENETRATION | FR3.06



SHAFT SIDE

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No:
Sheet Title : SHAFT WALL @ HORIZONTAL INTERMEDIATE TUBE STEEL, BEAM OR SUPPORT | FR3.08



NOTES:
1. DETAIL BASED ON ICBO EVALUATION REPORT ER-3579.
2. REPORTS NER-258, NER-506, ER-2541, AND ER-4924 MAY BE SUBSTITUTED FOR ER-3579 WITH APPROPRIATE ALTERATIONS TO HORIZONTAL DRYWALL CONFIGURATION.
3. PROVIDE REPORT ON DOCUMENTS OF RECORD AND REFERENCE LOCATION.

Section Title : OSHPD FIRE RESISTIVE STANDARD DETAILS | OPD No:
Sheet Title : VERTICAL DUCT SHAFT BOTTOM DETAILS | FR4.02

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:11:02 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEVIN YAMAUCHI C-26566 02-28-2025 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPD - FIRE RESISTIVE DETAILS, FR3.01 - FR4.02

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. STANDARDS COMITTEE	Scale:	A10.25
Designed By: LP/SH	Issue Date: 06/12/2024	
Drawn By: LP/SH	Revit Version: 2023	

C:\Revit_Locals\9938 UCDH Central Pharmacy_Central_R23-REVISED SCOPE_aunoJDA58.rvt
6/20/2024 4:38:50 PM

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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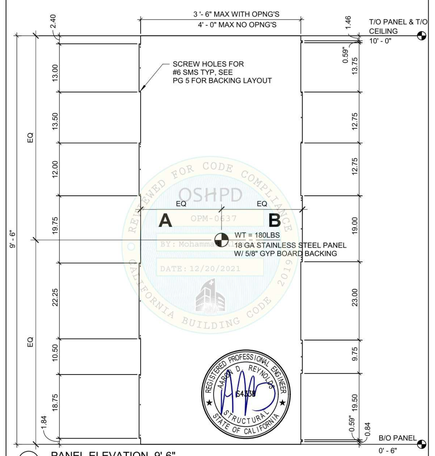

1 PANEL ELEVATION, 9'-6"
3/4" = 1'-0"

Job No.	2000334
Date	12/10/2021 - HCAI BC #2
Page	4 of 15

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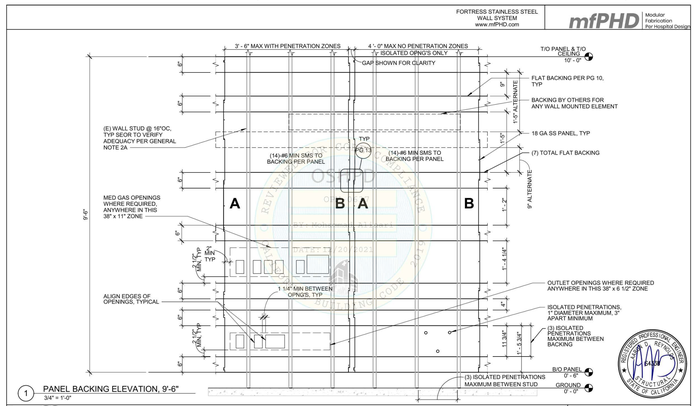

1 PANEL BACKING ELEVATION, 9'-6"
3/4" = 1'-0"

Job No.	2000334
Date	11/02/2021-OSHPD BC#1
Page	5 of 15

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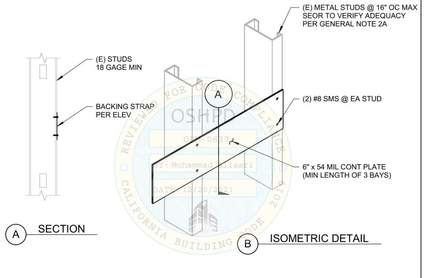
NOTE:
NO ELEMENT, COMPONENT, CABINET, OR SHELF SHALL BE SUPPORTED BY OR ATTACHED TO THE FORTRESS STAINLESS STEEL METAL PANEL BACKING. ELEMENTS MAY BE ATTACHED THROUGH THE STAINLESS STEEL METAL PANEL TO ADDITIONAL BACKING PROVIDED BY OTHERS AS NOTED ON PAGES 5, 7, AND 9 OF 15.



A SECTION

B ISOMETRIC DETAIL

TYPICAL FLAT STRAP BACKING
1" = 1'-0"

Job No.	2000334
Date	12/10/2021 - HCAI BC #2
Page	10 of 15

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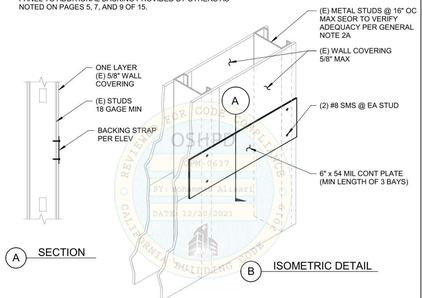

A SECTION

B ISOMETRIC DETAIL

TYPICAL FLAT STRAP BACKING OVER WALL COVERING
1" = 1'-0"

Job No.	2000334
Date	11/02/2021-OSHPD BC#1
Page	11 of 15

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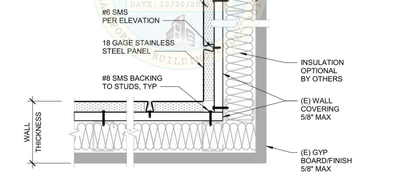
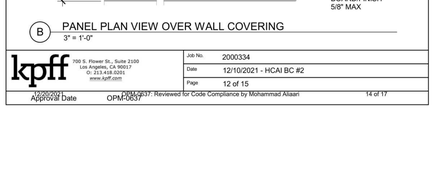


A PANEL PLAN VIEW
3" = 1'-0"



B PANEL PLAN VIEW OVER WALL COVERING
3" = 1'-0"

Job No.	2000334
Date	12/10/2021 - HCAI BC #2
Page	12 of 15

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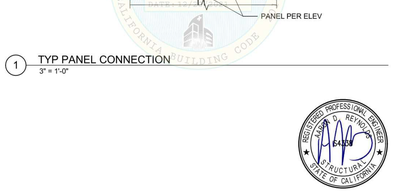

1 TYP PANEL CONNECTION
3" = 1'-0"

Job No.	2000334
Date	11/02/2021-OSHPD BC#1
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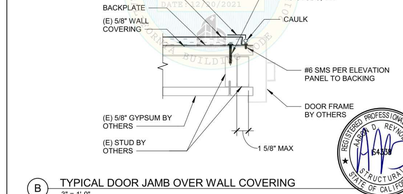

A TYPICAL DOOR JAMB
3" = 1'-0"

B TYPICAL DOOR JAMB OVER WALL COVERING
3" = 1'-0"

Job No.	2000334
Date	12/10/2021 - HCAI BC #2
Page	14 of 15

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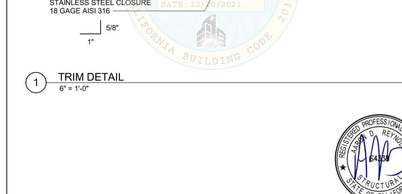

1 TRIM DETAIL
6" = 1'-0"

Job No.	2000334
Date	11/02/2021-OSHPD BC#1
Page	15 of 15

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APPROVED
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DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

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4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPM-0637 - FORTRESS WALL SYSTEM

Arch.\Engr. KY	FD&C Job No. JOB NO.	SHEET NO. A10.30
UCDMC Project Mgr. AA	Scale:	
Designed By: AU	Issue Date: 06/12/2024	1
Drawn By: AU	Revit Version: 2023	

10/22/2024 9:41:40 AM C:\Revit_Locals\5938 UCDH Central Pharmacy_Central_R23-REVISED SCOPE_aumo.DA58.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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SHEET INDEX

SHEET	DESCRIPTION
E0.01	ABBREVIATIONS, SYMBOLS, SCHEDULES, & SHEET INDEX
E1.01	OVERALL BASEMENT PLAN - ELECTRICAL ACD-001
E1.02	NOT USED
E2.00	ENLARGED OVERALL BASEMENT PLAN - PHASING LAYOUT - ELECTRICAL
E2.01	ENLARGED OVERALL BASEMENT PLAN - TEMPORARY CONSTRUCTION POWER - ELECTRICAL
E2.02	ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 1 - MAKE READY
E2.03	ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 1 ACD-001
E2.04	ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 1
E2.05	ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 2
E2.06	ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 2
E2.07	ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 2 ACD-001
E3.01	ENLARGED OVERALL BASEMENT PLAN - PHASING LAYOUT - LIGHTING
E3.02	ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 1
E3.03	ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 1 ACD-001
E3.04	ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 2
E3.05	ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 2
E3.06	ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 2 ACD-001
E4.01	(E) PARTIAL ONE LINE DIAGRAM
E4.02	COORDINATION STUDY
E5.01	PANEL SCHEDULES - MAKE READY PHASE 1 & PHASE 2
E5.02	PANEL SCHEDULES - PHASE 1
E5.03	PANEL SCHEDULES - PHASE 1
E5.04	PANEL SCHEDULES - PHASE 2 ACD-001
E6.01	DETAILS
E6.02	DETAILS
E6.03	DETAILS
E6.04	DETAILS
E6.05	DETAILS
E6.06	DETAILS
E6.07	DETAILS

POWER DISTRIBUTION SYMBOLS

SYMBOL	DESCRIPTION
XXA/XP/XXF	FUSED DISCONNECT SWITCH W/ CLASS 'R' DUAL ELEMENT FUSES, SIZED PER EQUIPMENT NAME PLATE RATING. NUMBER ADJACENT INDICATES AMPERE RATING OF SWITCH / POLES / FUSE RATING. REFER TO PLANS FOR ACTUAL RATINGS. FUSE SIZE INDICATED ON PLANS IS USED AS THE BASIS OF DESIGN. FINAL FUSE SIZE INSTALLED SHALL BE CONFIRMED ON THE FIELD AGAINST EQUIPMENT NAMEPLATE RATING. MOUNT AT +48" AFF TO TOP OF DISCONNECT.
$ XXA	2-POLE 1-PHASE MOTOR RATED DISCONNECT SWITCH. AMPERAGE ADJACENT INDICATES AMPERE RATING OF SWITCH. SWITCH SHALL BE 600V RATED SWITCH FOR ALL SYSTEMS. MOUNT AT +48" AFF TO TOP OF BOX.
⊠	CONTROL AND/OR EQUIPMENT, PROVIDED UNDER ANOTHER DIVISION, PROVIDE POWER CONNECTION AS INDICATED.
	MOTOR, PROVIDED UNDER ANOTHER DIVISION, PROVIDE POWER CONNECTION AS INDICATED.
	DISTRIBUTION PANEL/MOTOR CONTROL CENTER.
	BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED.
	BRANCH CIRCUIT PANELBOARD, FLUSH MOUNTED.

WIRING DEVICE SYMBOLS

SYMBOL	DESCRIPTION
	20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE.
	20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE. CONNECT TO EMERGENCY POWER SOURCE.
	20 AMP 125V 3W DOUBLE DUPLEX CONVENIENCE RECEPTACLE.
	20 AMP 125V 3W DOUBLE DUPLEX CONVENIENCE RECEPTACLE. CONNECT TO EMERGENCY POWER SOURCE.
	20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE W/ GROUND FAULT INTERRUPTER.
	20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE W/ GROUND FAULT INTERRUPTER. CONNECT TO EMERGENCY POWER SOURCE.
	JUNCTION BOX, SIZE AND TYPE AS INDICATED OR REQUIRED.
	ELECTRIFIED MODULAR SYSTEM FURNITURE POWER FEED, 4 11/16" SQUARE X 2 1/8" DEEP BOX W/ 1-DEVICE RING & PLATE FOR FURNITURE WHIP.
	DEAD FRONT GFCI TEST/RESET BUTTON, MOUNTED ABOVE COUNTER. PROVIDE PERMANENT LABEL/DESCRIPTION FOR PLUGGED DEVICE. SEE WIRING DIAGRAM. LEGRAND #2087
SUBSCRIPTS:	DEVICE SUBSCRIPTS DESIGNATE THE FOLLOWING:
C	= ABOVE COUNTER MOUNTED AT +42" TO CENTER OF BOX
TV	= MOUNTED AT +60" AFF TO CENTER OF BOX TO POWER TV/MONITOR
WP	= WEATHERPROOF
IG	= ISOLATED GROUND
TP	= TAMPERPROOF
USB	= PROVIDE RECEPTACLE W/ DUAL USB CHARGING
CR	= CEILING MOUNTED CORD REEL
D	= DEDICATED
CLG	= CEILING MOUNTED, PROVIDE SUPPORT TO STRUCTURAL CEILING

STANDARD ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
	EQUIPMENT DESIGNATION.
XX	NUMBERED NOTE.
	ENLARGED PLAN OR DETAIL CALL-OUT.
T	TRANSFORMER.
ATS	AUTOMATIC TRANSFER SWITCH.
	CIRCUIT BREAKER.

RACEWAY SYMBOLS

SYMBOL	DESCRIPTION
	RACEWAY INSTALLED IN CEILING OR WALL. ROUTE EXPOSED IN ALL UNFINISHED AREAS.
	RACEWAY INSTALLED BELOW FINISHED FLOOR OR GRADE.
X	EXISTING CONDUIT RUN TO BE ABANDONED. CONDUIT ABOVE THE FLOOR AND BELOW THE STRUCTURE ABOVE SHALL BE REMOVED. CONDUCTORS SHALL BE REMOVED.
	EXISTING CONDUIT RUN, VERIFY ROUTING ON THE JOB.
	REMOVE (E) WIRE, PULL IN NEW WIRES, #12 AWG UNLESS NOTED.
	ARROW AT END OF RACEWAY INDICATES HOME RUN TO RESPECTIVE PANELBOARD OR SWITCHBOARD.
	BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A 2 #12 AWG CIRCUIT WITH 1 #12 AWG GROUND.
	STRAIGHT CROSS-LINES IN BRANCH CIRCUIT RACEWAY INDICATE NUMBER OF #12 AWG WIRES IN A CIRCUIT. SHORT LINES INDICATE UNGROUNDED CONDUCTORS. LONG LINES INDICATE NEUTRAL CONDUCTORS. WIRES SHOWN ARE IN ADDITION TO 1 #12 AWG GROUNDING CONDUCTOR.
#10	BRANCH CIRCUIT WITH GROUNDING WIRE LARGER THAN #12 AWG. NUMBER ADJACENT TO CURVED CROSS-LINE INDICATES WIRE SIZE.
	FLEX CONDUIT.

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
	RECESSED MOUNTED LUMINAIRE.
	RECESSED MOUNTED LUMINAIRE AT GYPSUM BOARD CEILING.
	WALL MOUNTED LUMINAIRE.
	SURFACE MOUNTED LUMINAIRE.
	RECESSED DOWNLIGHT LUMINAIRE.
	CEILING OR WALL MOUNTED ILLUMINATED EXIT SIGN W/ DIRECTIONAL ARROWS NOTED ON PLANS. WORD 'EXIT' TO BE LOCATED IN SHADED FACE(S)
	LUMINAIRE SHADING INDICATES LUMINAIRE CONNECTED TO EMERGENCY OR BATTERY POWER SOURCE.
B	LUMINAIRE TAG, LETTER INDICATES TYPE, SEE LUMINAIRE SCHEDULE.

LIGHTING CONTROLS SYMBOLS

SYMBOL	DESCRIPTION
S	EXISTING SINGLE POLE TOGGLE SWITCH.
D1	WIRELESS LINE POWERED, 0-10V DIMMING CONTROL W/ ON/OFF SWITCH. WALL MOUNTED. nLIGHT AIR SWITCH #rPODLA DX RD G2
D2	WIRELESS LINE POWERED, 0-10V DIMMING CONTROL W/ ON/OFF SWITCH. WALL MOUNTED. nLIGHT AIR SWITCH #rPODLA DX WH G2
RP	0-10V DIMMING CONTROL RELAY PACK ATTACHED TO J-BOX ABOVE CEILING, SEE WIRING DIAGRAM. nLIGHT AIR #rPP20 D 24V EFP G2
OS	AUTOMATIC "ON/OFF" CEILING MOUNTED SMART OCCUPANCY SENSOR. nLIGHT AIR #rCMS PDT 9 G2

ACD-001

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER/CATALOG	DESCRIPTION	MOUNTING	TYPE	VOLTS	WATTS	REMARKS
A	LITHONIA LIGHTING EPANL 2x4 6000LMHE 80CRI 35K MIN10 EZT MVOLT NLTAIR2 RES7PDT	2X4 MEDICAL CLEAN ROOM LED TROFFER; 6,000 LUMENS; 80 CRI; 3500K CCT	RECESSED	LED	UNV	50	HARD LID CEILING; ISO 5
B	LITHONIA LIGHTING 2BLT4 48LHE ADPT EZ1 LP835 NLTAIR2 RES7PDT	2X4 LED TROFFER; 4,800 LUMENS; 80 CRI; 3500K CCT	RECESSED	LED	UNV	34	
ACD-001							
BM	LITHONIA LIGHTING 2BLT4 30LHE ADPT EZ1 LP835 NLTAIR2 RES7PDTEM	2X4 LED TROFFER; 3,000 LUMENS; 80 CRI; 3500K CCT	RECESSED	LED	UNV	23	POWER INTERRUPT DETECTION
ACD-001							
F2	MARK ARCHITECTURAL LIGHTING SL4L LOP 2FT FLP FL 80CRI 35K 800LMF NODIM 277 NLTAIR2 PDT	2' SLOT 4 LED LINEAR; 800 LUMENS; 80 CRI; 3500K CCT	RECESSED	LED	277	16	HARD LID CEILING
ACD-001							
UC30	HERMANMILLER G6170-30-S-91	30" LED UNDER CABINET LIGHT	SURFACE	LED	120	7	ON-OFF ROCKER SWITCH
UC42	HERMANMILLER G6170-42-S-91	42" LED UNDER CABINET LIGHT	SURFACE	LED	120	12	ON-OFF ROCKER SWITCH
X	LITHONIA LIGHTING EXRG M6	'EXIT SIGN'	SURFACE	LED	UNV	1	RED LETTERS
ACD-001							

ABBREVIATIONS

1PH, 3PH	1 PHASE, 3 PHASE
1P, 2P, 3P	1 POLE, 2 POLE, 3 POLE
3W, 4W	3 WIRE, 4 WIRE
(D)	DEMO, DEMOLISH
(E)	EXISTING
(ER)	EXISTING RELOCATED
(N)	NEW
(R)	RELOCATE
-A-	
A, AMPS	AMPERES
AC	ALTERNATING CURRENT
AF	FRAME RATING IN AMPERES
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AL, ALUM	ALUMINUM
ATS	AUTO TRANSFER SWITCH
AT	TRIP RATING IN AMPERES
AWG	AMERICAN WIRE GAUGE
-B-	
BTR	BUILDING TELECOM ROOM
-C-	
C	CONDUIT
CB,C/B	CIRCUIT BREAKER
CEC	CALIFORNIA ELECTRICAL CODE
CT	CURRENT TRANSFORMER
CU	COPPER
-D-	
DC	DIRECT CURRENT
-E-	
EA	EACH
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
-F-	
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FLA	FULL LOAD AMPS
FT	FOOT OR FEET
-G-	
G, GND	GROUND
GA	GAUGE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
-H-	
HOA	HAND-OFF-AUTO
HP	HORSE POWER
-J-	
J-BOX	JUNCTION BOX
-K-	
KVA	ONE THOUSAND VOLT-AMPS
KW	ONE THOUSAND WATTS
-L-	
LCP	LIGHTING CONTROL PANEL
LTG	LIGHTING
-M-	
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVER-CURRENT PROTECTION
MT	EMPTY CONDUIT W/ PULL-LINE
-N-	
NC	NORMALLY CLOSED
NCTC	NURSE CALL TERMINAL CABINET
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
NIES	NOT INCLUDED IN ELECTRICAL SCOPE
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
-O-	
OCP	OVER-CURRENT PROTECTION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
-P-	
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE CONDUIT
-R-	
RLA	RUNNING LOAD AMP
RSC	RIGID STEEL CONDUIT
-S-	
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SST	SOLID STATE TRIP
-T-	
TER	TELECOM EQUIPMENT ROOM
TR	TELECOM ROOM
TM	THERMAL MAGNETIC
TTB	TERMINAL BACKBOARD
-U-	
UG	UNDERGROUND
UL	UNDERWRITERS LAB.
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
-V-	
V	VOLTS
VA	VOLT-AMPS
VAC	VOLTS ALTERNATE CURRENT
-W-	
W	WATTS
WCR	WITHSTAND & CLOSING RATING
WP	WEATHERPROOF
-X-	
XFMR	TRANSFORMER
XFER	TRANSFER SWITCH

GENERAL ELECTRICAL NOTES

1. WHERE PROVIDED, THROUGH-PENETRATION FIRESTOP SYSTEM AND MEMBRANE PENETRATION DETAILS SHOWN IN THE DETAILS ARE FOR REFERENCE ONLY. THROUGH- PENETRATIONS AND MEMBRANE PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM OR MEMBRANE PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER OR AS OTHERWISE PERMITTED BY CBC, SECTION 714. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS AND MEMBRANE PENETRATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION DETAILS FOR LISTED SYSTEMS. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS, MEMBRANE PENETRATION PROTECTION AND OTHER PERMITTED MEANS AND METHODS OF PENETRATION PROTECTION SHALL BE SUBMITTED FOR HCAI FLSO REVIEW AND APPROVAL PRIOR TO INSTALLATION.
2. ALL ELECTRICAL EQUIPMENT TO BE INSTALLED OR PERMANENTLY CONNECTED (HARDWIRED) SHALL BE LISTED, LABELED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) PER CEC 110.2.
3. ALL EQUIPMENT SHALL BE USED IN ACCORDANCE WITH LISTING PER CEC 110.3B.

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1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ABBREVIATIONS, SYMBOLS, SCHEDULES, & SHEET INDEX

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. E0.01
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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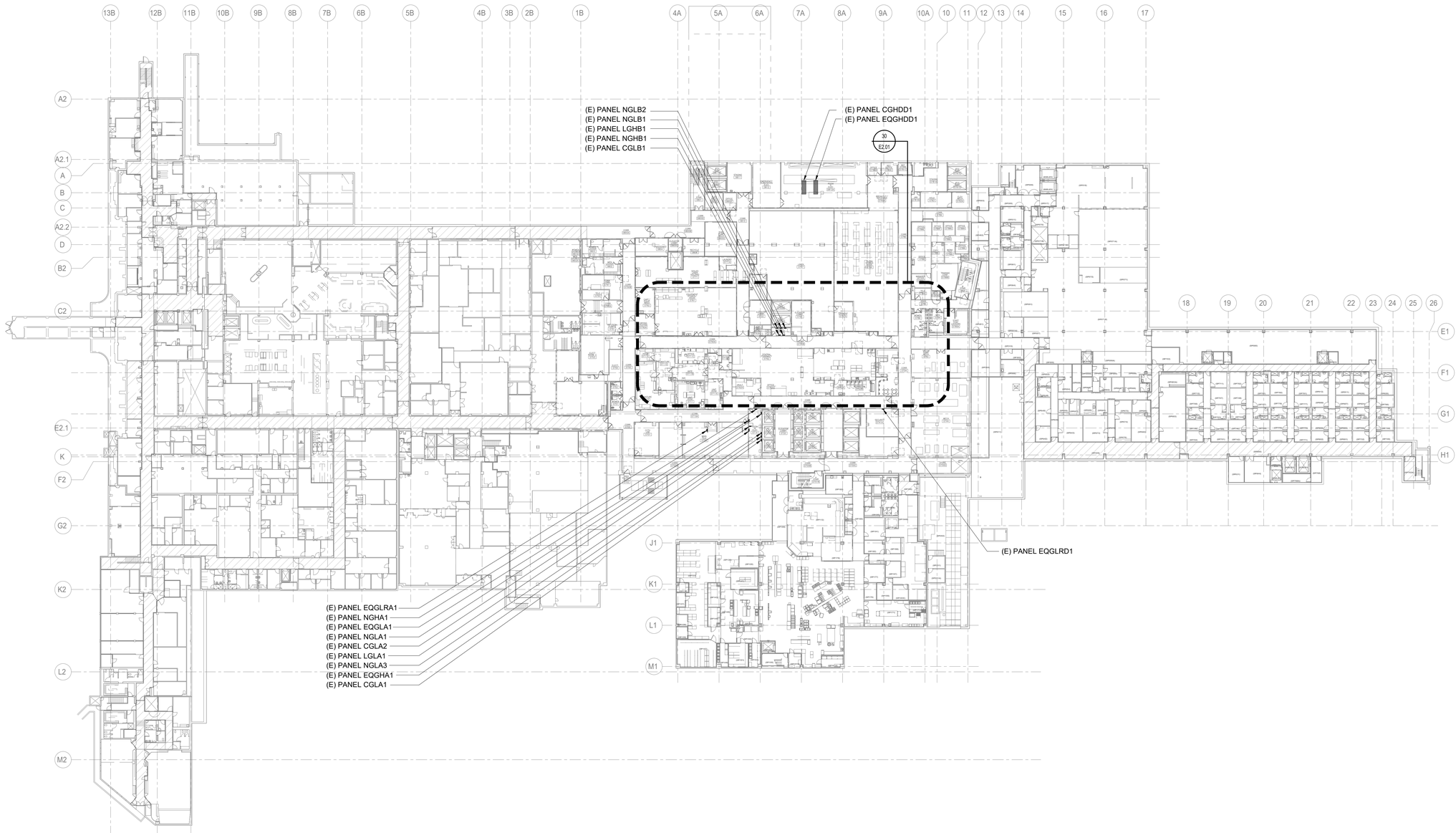

30 OVERALL BASEMENT PLAN - ELECTRICAL

1/32" = 1'-0"

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Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OVERALL BASEMENT PLAN - ELECTRICAL

REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER PAUL KOLLMAR — No. E 018416 — ELECTRICAL — STATE OF CALIFORNIA
06/14/2024

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SCOPE PHASE REVISED
SHEET NO LONGER NEEDED

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Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
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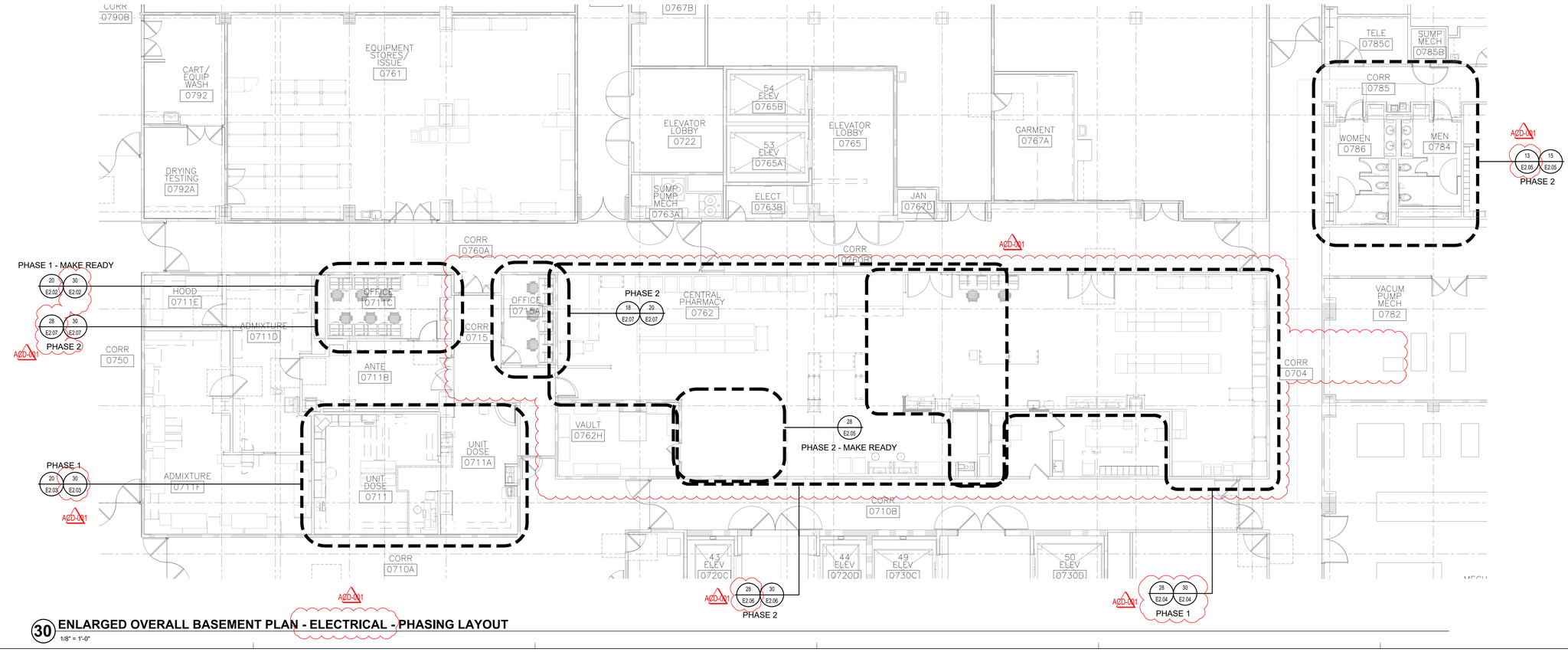

30 ENLARGED OVERALL BASEMENT PLAN - ELECTRICAL - PHASING LAYOUT

1/8" = 1'-0"

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Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - PHASING LAYOUT - ELECTRICAL

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SHEET NOTES

1. SEE OVERALL FLOOR PLAN(S) FOR (E) PANEL LOCATION(S).
2. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.

NUMBERED NOTES

1. NON-FUSED DISCONNECT #1, 208V/1P, FOR TEMPORARY CONSTRUCTION POWER. FIELD VERIFY FOR EXACT LOCATION.
2. NON-FUSED DISCONNECT #2, 208V/1P, FOR TEMPORARY CONSTRUCTION POWER. FIELD VERIFY FOR EXACT LOCATION.
3. NOT USED.
4. PROVIDE MINIMUM 50 AMP RATED TEMPORARY POWER CABLE TO DISCONNECT FOR SPIDER BOX #1 LOCATED IN ROOM #0762.
5. PROVIDE MINIMUM 50 AMP RATED TEMPORARY POWER CABLE TO DISCONNECT FOR SPIDER BOX #2 LOCATED IN ROOM #0762.
6. NOT USED.
7. REMOVE TEMPORARY POWER AT THE END OF THE PHASE.
8. NON-FUSED DISCONNECT FOR SAW CUTTER, 480V/3P. FIELD VERIFY FOR EXACT LOCATION.
9. PROVIDE MINIMUM 100 AMP RATED TEMPORARY POWER CABLE TO DISCONNECT SAW CUTTER LOCATED IN ROOM #0762.
10. REMOVE DISCONNECT AND CIRCUIT BACK TO PANEL AT THE END OF PROJECT.
11. PROVIDE MINIMUM 50 AMP RATED TEMPORARY POWER CABLE.

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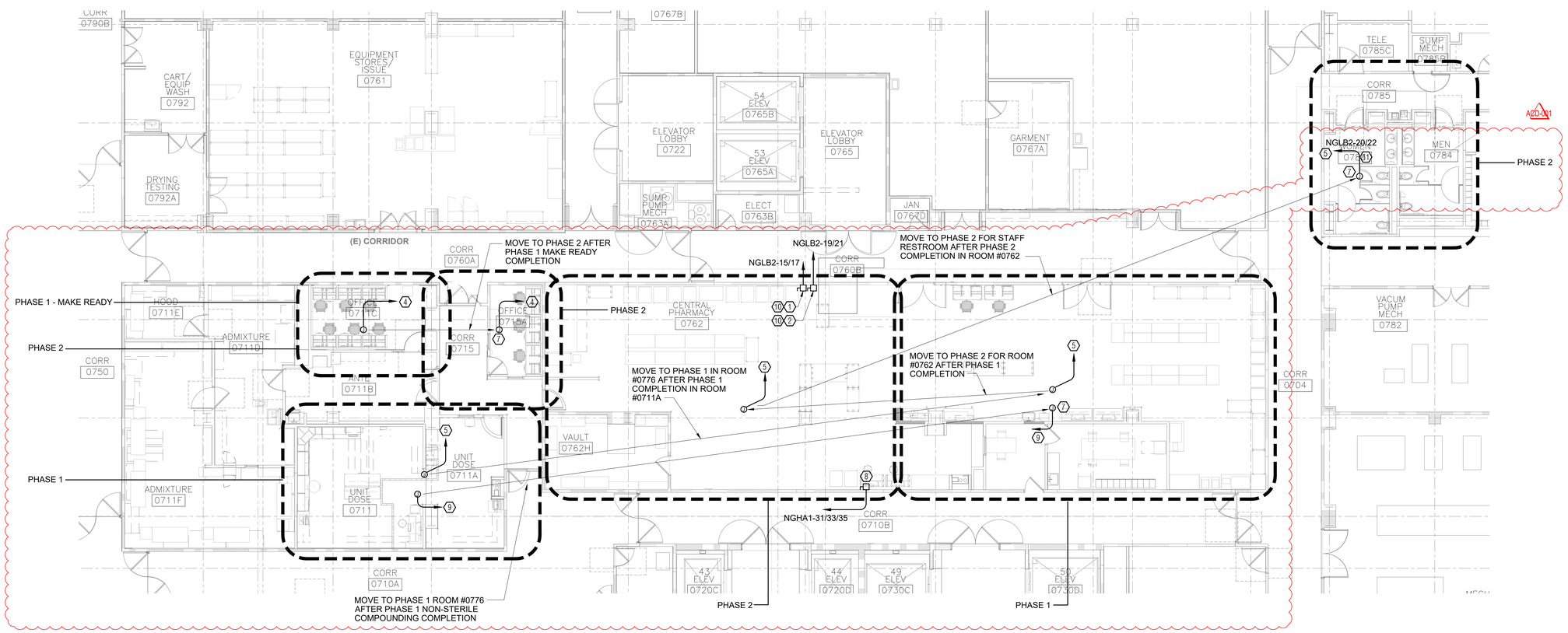

30 ENLARGED OVERALL BASEMENT PLAN - TEMPORARY CONSTRUCTION POWER - ELECTRICAL

1/8" = 1'-0"

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Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - PHASING PLAN & TEMPORARY CONSTRUCTION POWER - ELECTRICAL

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SHEET NOTES

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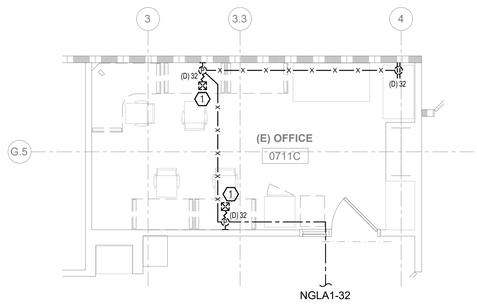
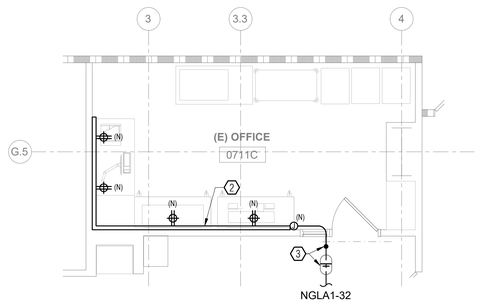
2. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
3. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.

NUMBERED NOTES

1. (E) ELECTRIFIED MODULAR SYSTEM FURNITURE SHALL BE REMOVED.
2. LEGRAND 5000 SERIES SURFACE RACEWAY. MOUNT AT +42" AFF. PROVIDE ALL NECESSARY COMPONENT FOR COMPLETE INSTALLATION.
3. INTERCEPT AND EXTEND (E) CONDUIT AS REQUIRED. PULL IN (N) CONDUCTORS AS INDICATED.



30 ENLARGED FLOOR PLAN - PHASE 1 - MAKE READY - ROOM 0711C - DEMO POWER
1/4" = 1'-0"



20 ENLARGED FLOOR PLAN - PHASE 1 - MAKE READY - ROOM 0711C - NEW POWER
1/4" = 1'-0"

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Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 1 - MAKE READY

REGISTERED PROFESSIONAL ENGINEER — GORDON P.M. KING — No. E 018416 — ELECTRICAL — STATE OF CALIFORNIA
06/14/2024

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3. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.

NUMBERED NOTES

1. (E) SURFACE MOUNTED WIREMOLD SHALL BE REMOVED.
2. HOOD, DEDICATED POWER, 120V. 9.3 FLA.
3. REFRIGERATOR PHARMACEUTICAL, 2 DOOR. DEDICATED POWER, 120V. 15 AMP.
4. REFRIGERATOR, PHARMACY - I SERIES. DEDICATED POWER, 120V. 2.8 FLA.
5. PYXIS. DEDICATED POWER, 120V. 3 AMP.
6. DISHWASHER. DEDICATED POWER, 120V. 1,300 WATTS.
7. SINK SENSOR WITH BATTERY BACKUP, 120V. 50 WATTS.
8. NOT USED.
9. NOT USED.
10. NOT USED.
11. NOT USED.
12. NOT USED.
13. (N) JUNCTION BOX FOR (N) SECURITY ACCESS CONTROL PANEL 'ACP-0772-N' AND INTRUSION ALARM PANEL 'IAP-0772-N'. REFER TO SECURITY DRAWINGS FOR MORE INFORMATION AND COORDINATE WITH SECURITY CONTRACTOR FOR EXACT LOCATION AND MOUNTING HEIGHT.
14. RECEPTACLE FOR SECURITY 12V AND 24V POWER SUPPLY. REFER TO SECURITY DRAWINGS FOR MORE INFORMATION AND COORDINATE WITH SECURITY CONTRACTOR FOR EXACT LOCATION AND MOUNTING HEIGHT.
15. PULL OUT (E) CONDUCTOR AND ABANDON (E) CONDUIT IN PLACE.
16. EXTEND CIRCUIT #23 AND PROVIDE (N) J-BOX ABOVE CEILING SPACE AT (E) RECEIVING AREA #0776 FOR (N) SINK SENSOR. REFER TO 28 & 30/E2.04 FOR CONTINUATION.
17. PROVIDE GARVIN #AMR1 AND #AMR2 ADJUSTABLE DEVICE RINGS FOR FORTRESS WALL SYSTEM.
18. NOT USED.
19. INTERCEPT AND EXTEND (E) CONDUIT AS REQUIRED. PULL IN (N) CONDUCTORS AS INDICATED.
20. RECEPTACLE FOR UNDER CABINET LIGHT. COORDINATE WITH FURNITURE VENDOR FOR EXACT LOCATION.
21. AUTO DOOR, 120V, 3.15 AMPS.
22. NOT USED.

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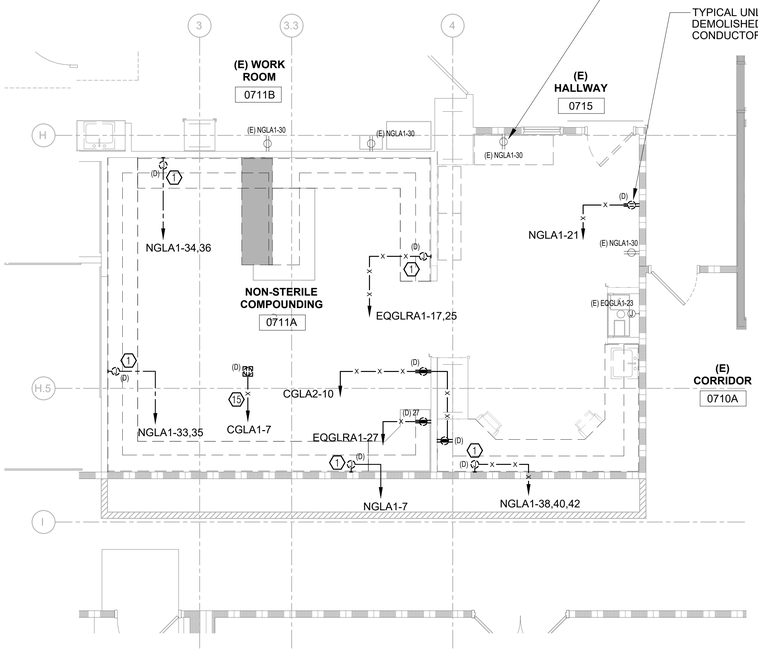
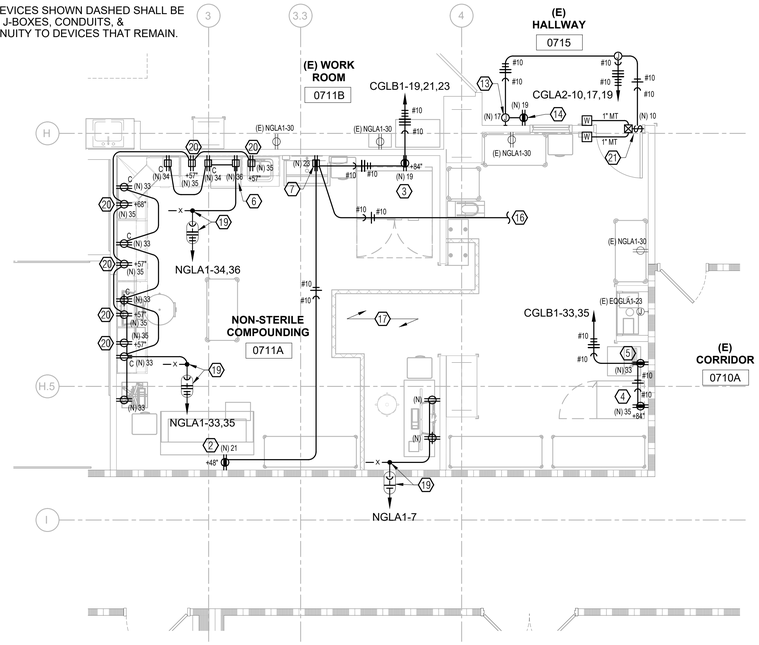
TYPICAL UNLESS OTHERWISE NOTED - EXISTING DEVICES SHOWN SOLID ARE EXISTING TO REMAIN.

TYPICAL UNLESS OTHERWISE NOTED - DEVICES SHOWN DASHED SHALL BE DEMOLISHED. REMOVE ALL ASSOCIATED J-BOXES, CONDUITS, & CONDUCTORS. MAINTAIN CIRCUIT CONTINUITY TO DEVICES THAT REMAIN.



30 ENLARGED BASEMENT FLOOR PLAN - PHASE 1 - ROOM 0711A - DEMO POWER



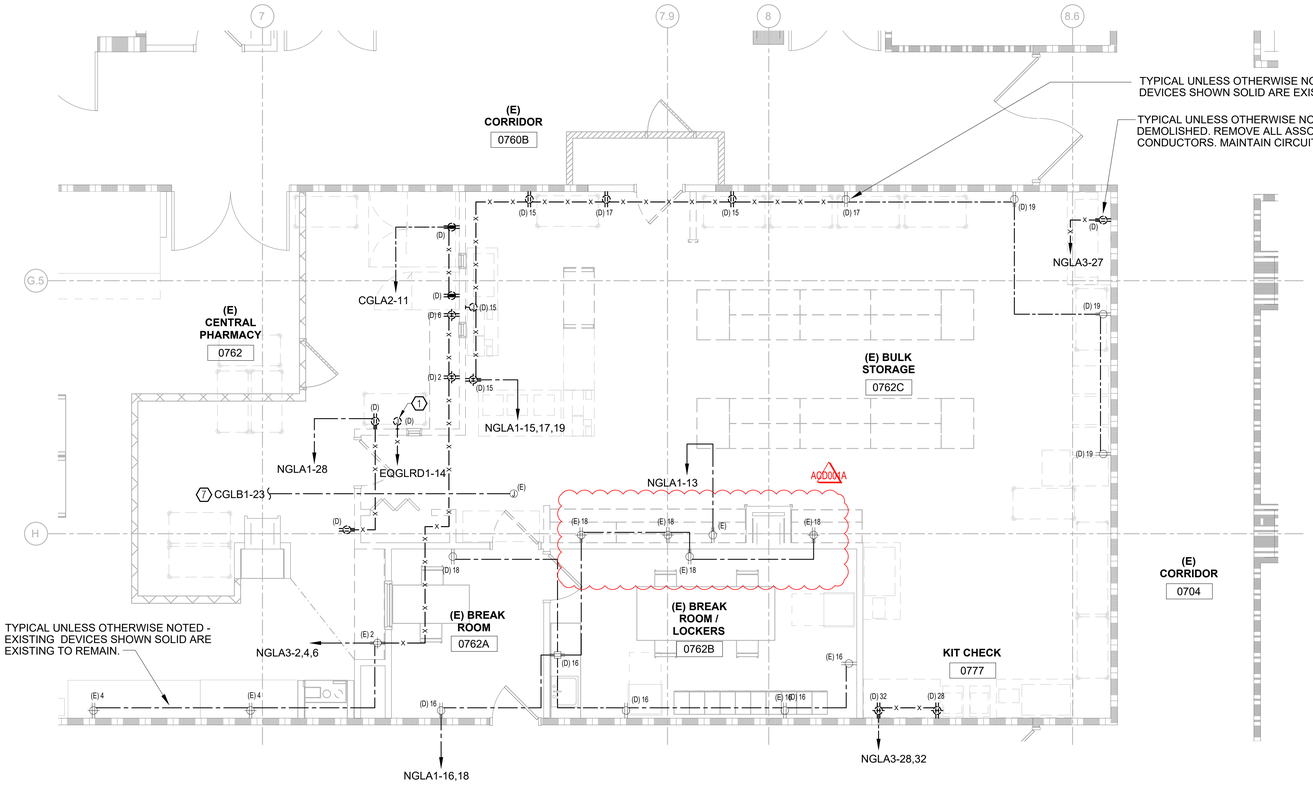
20 ENLARGED BASEMENT FLOOR PLAN - PHASE 1 - ROOM 0771A - NEW POWER
1/4" = 1'-0"

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. E2.03
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

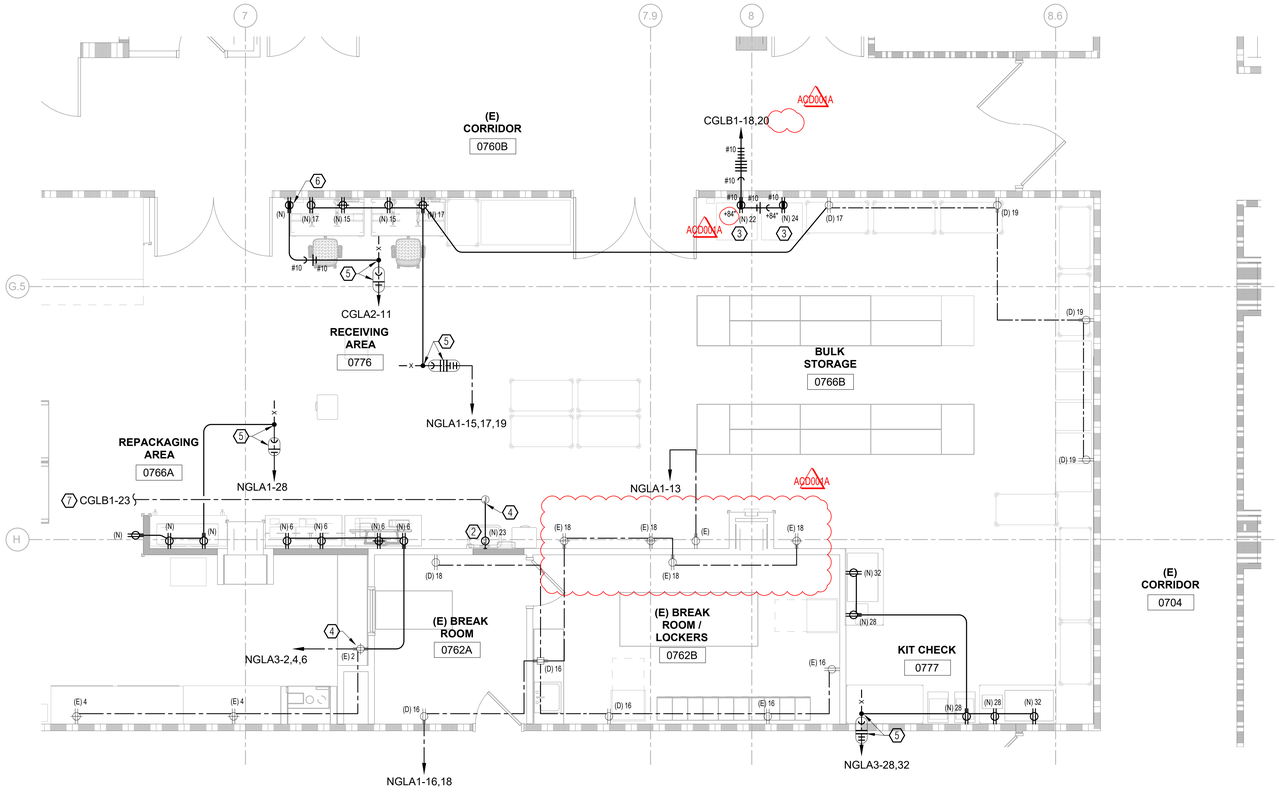
GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY



28 ENLARGED BASEMENT FLOOR PLAN - PHASE 1 - RECEIVING AREA - DEMO POWER

1/4" = 1'-0"



30 ENLARGED BASEMENT FLOOR PLAN - PHASE 1 - RECEIVING AREA - NEW POWER

1/4" = 1'-0"

SHEET NOTES

1. SEE OVERALL FLOOR PLAN(S) FOR (E) PANEL LOCATION(S).
2. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
3. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.

NUMBERED NOTES

1. (E) SECURITY CARD KEY EQUIPMENT PANEL SHALL BE REMOVED.
2. SINK SENSOR, 120V, 50 WATTS.
3. REFRIGERATOR, PHARMACY - I SERIES. DEDICATED POWER, 120V, 2.8 FLA.
4. EXTEND (E) CIRCUIT TO (N) DEVICE AS INDICATED.
5. INTERCEPT AND EXTEND (E) CONDUIT AS REQUIRED. PULL IN (N) CONDUCTORS AS INDICATED.
6. (N) SECURITY MONITORING, 120V. REFER TO SECURITY DRAWINGS FOR ADDITIONAL INFORMATION. MOUNT AT 12" BELOW CEILING HEIGHT.
7. (E) CIRCUIT #23 FROM (N) NON-STERILE COMPOUNDING ROOM #0711A. REFER TO 20/E2.03 FOR CONTINUATION.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S24103-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

08/25/2025

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CONSULTANTS:
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Project Number K018
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THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025
ACD001A	SCOPE REDUCTION BACKCHECK 1	8/25/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 1 A2D-001

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. E2.04
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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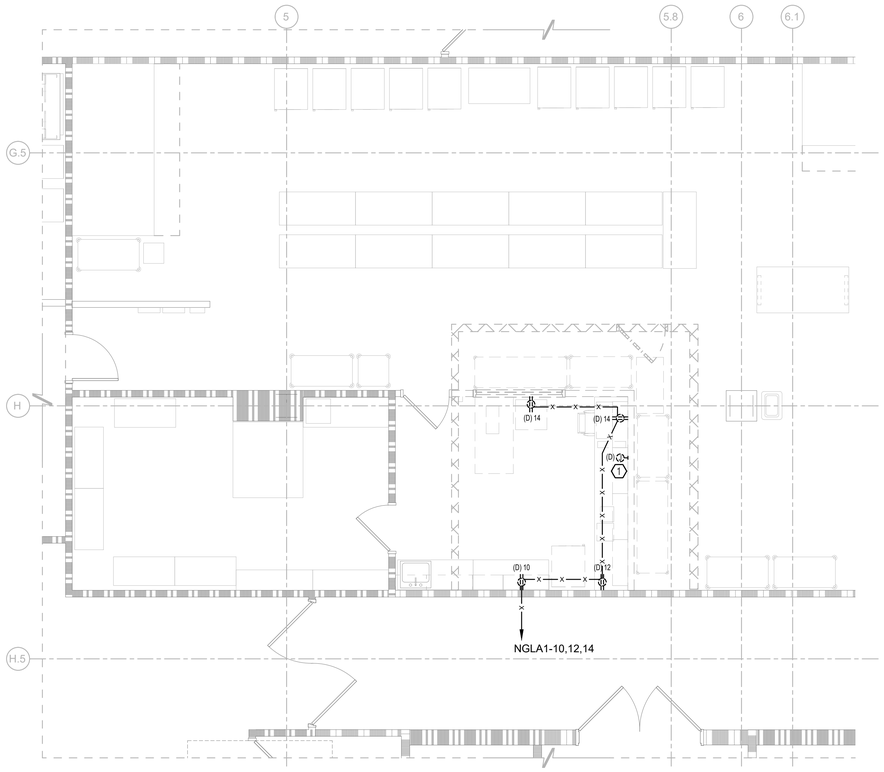
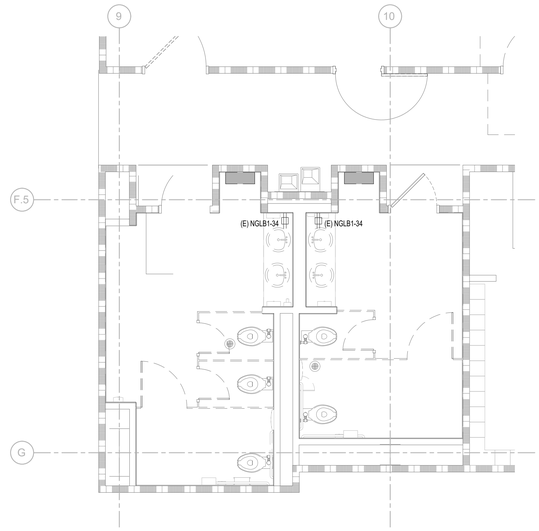
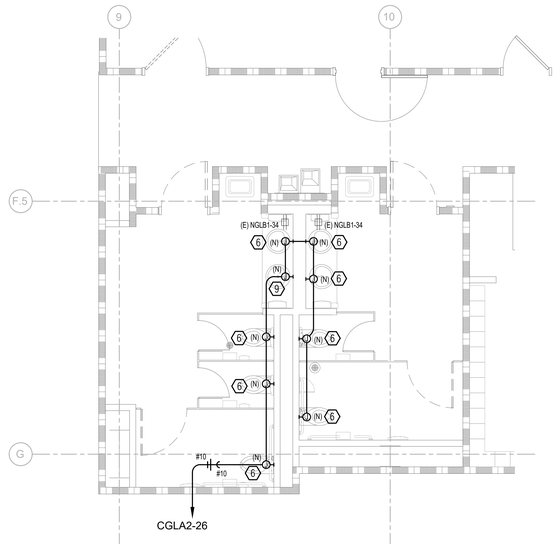


A2D-001

28 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - MAKE READY 1 - DEMO POWER
1/4" = 1'-0"



13 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - MULTI-USER STAFF RESTROOMS - DEMO POWER
1/4" = 1'-0"



15 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - MULTI-USER STAFF RESTROOMS - NEW POWER
1/4" = 1'-0"

SHEET NOTES

1. SEE OVERALL FLOOR PLAN(S) FOR (E) PANEL LOCATION(S).
2. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
3. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.

NUMBERED NOTES

1. (E) SURFACE MOUNTED WIREMOLD SHALL BE REMOVED.
2. NOT USED.
3. NOT USED.
4. NOT USED.

A2D-001

5. NOT USED.
6. SINK AND FLUSH SENSOR, 120V. 50 WATT. REFER TO MECHANICAL DRAWING FOR EXACT LOCATION AND ADDITIONAL INFORMATION.
7. NOT USED.
8. NOT USED.

A2D-001

9. NOT USED.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	E2.05
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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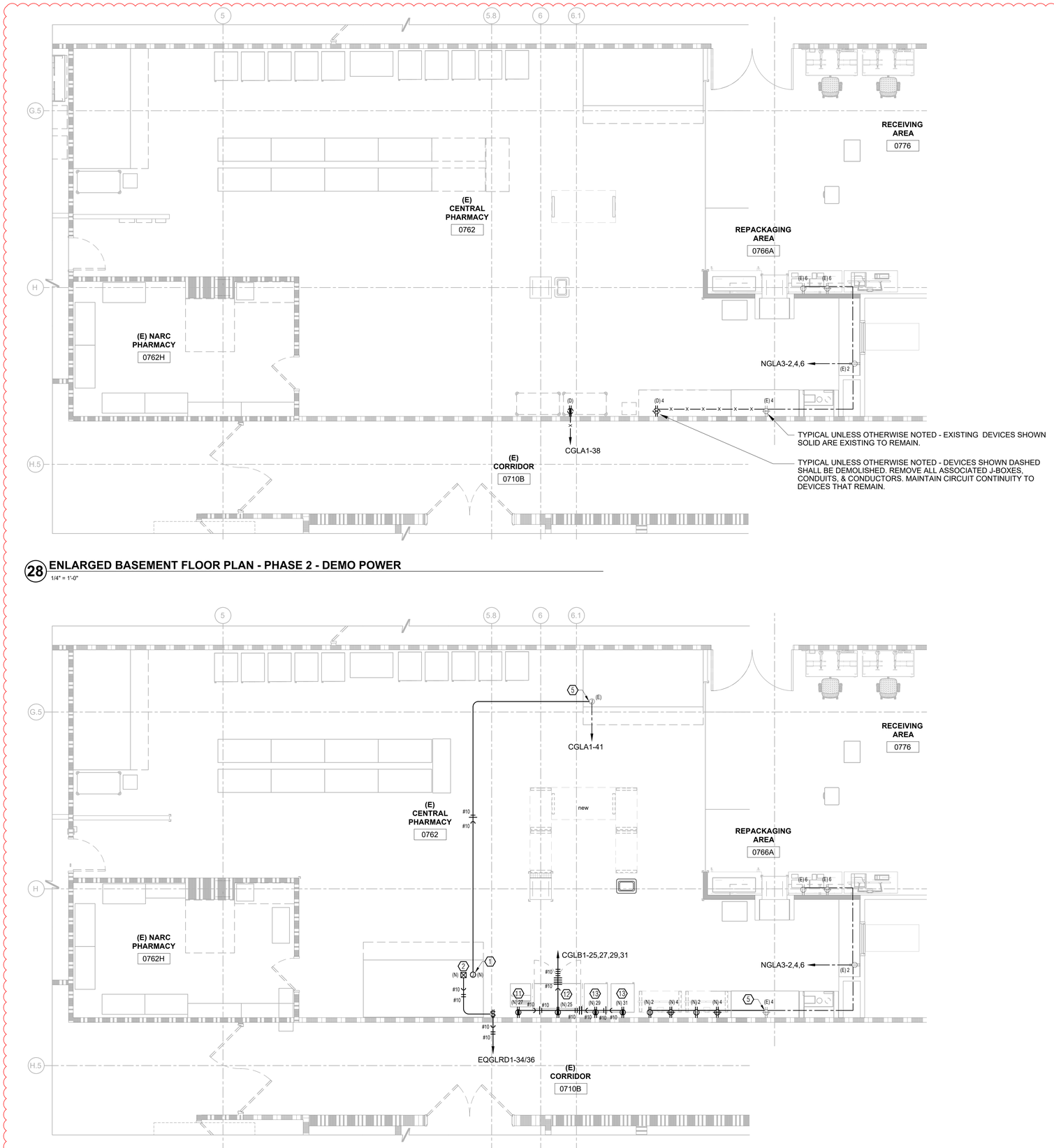

28 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - DEMO POWER

1/4" = 1'-0"

30 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - NEW POWER

1/4" = 1'-0"

SHEET NOTES

1. SEE OVERALL FLOOR PLAN(S) FOR (E) PANEL LOCATION(S).
2. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
3. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.

NUMBERED NOTES

1. (N) JUNCTION BOX ABOVE CEILING SPACE TO CONNECT TO CAROUSEL PRE-WIRE RECEPTACLES AS REQUIRED.
2. CAROUSEL, 208V. 4,160 WATTS.
3. NOT USED.
4. NOT USED.

ACD-001

5. EXTEND (E) CIRCUIT TO (N) DEVICE AS INDICATED.
6. NOT USED.
7. NOT USED.
8. NOT USED.

ACD-001

9. NOT USED.
10. NOT USED.
11. (ER) PYXIS. 120V, 3 AMP. CONNECT TO (E) RECEPTACLE INSTALLED DURING PHASE 2.
12. (ER) DISPENSER, MEDICATION. 120V, 3AMP. CONNECT TO (E) RECEPTACLE INSTALLED DURING PHASE 2.
13. (ER) UNDERCOUNTER REFRIGERATOR. 120V, 4.1 AMP. CONNECT TO (E) RECEPTACLE INSTALLED DURING PHASE 2.
14. NOT USED.
15. NOT USED.

ACD-001

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

07/03/2025

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
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(916)734-7024

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CONSULTANTS:

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Project Number K018
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Sacramento, CA 95811
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THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 2 ACD-001

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. E2.06
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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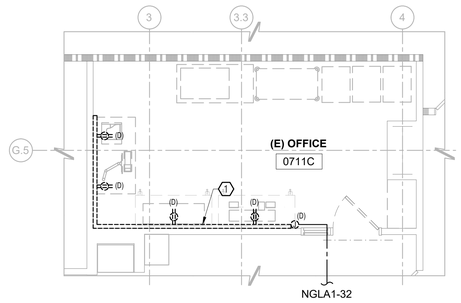
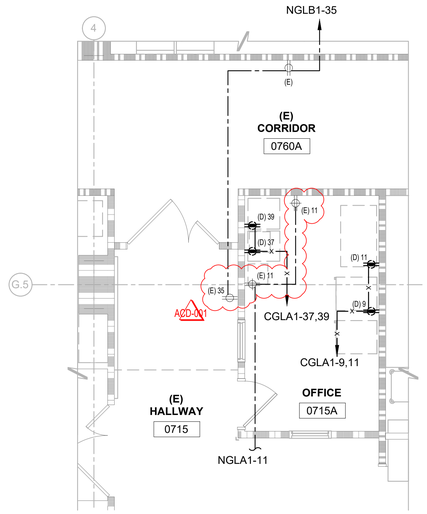


28 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - 0711C - DEMO POWER

1/4" = 1'-0"

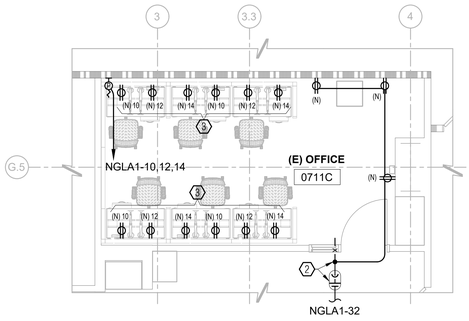
ACD-001



18 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - OFFICE - DEMO POWER

1/4" = 1'-0"

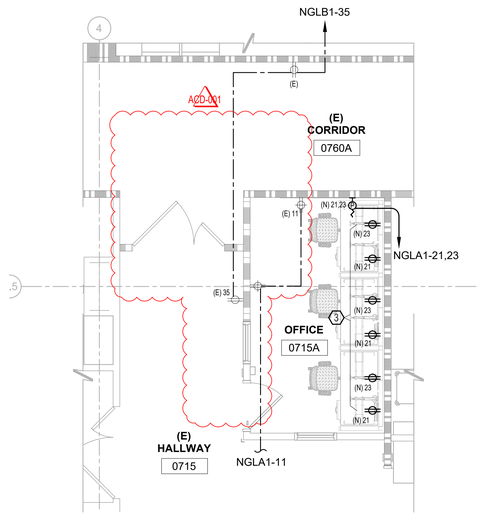
ACD-001



30 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - 0711C - NEW POWER

1/4" = 1'-0"

ACD-001



20 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - OFFICE - NEW POWER

1/4" = 1'-0"

ACD-001

SHEET NOTES

1. SEE OVERALL FLOOR PLAN(S) FOR (E) PANEL LOCATION(S).
2. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
3. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.

NUMBERED NOTES

1. (E) SURFACE MOUNTED WIREMOLD SHALL BE REMOVED.
2. INTERCEPT AND EXTEND (E) CONDUIT AS REQUIRED. PULL IN (N) CONDUCTORS AS INDICATED.
3. RECEPTACLE FOR MODULAR FURNITURE, PROVIDE BY OTHERS. PROVIDE ALL NECESSARY MODULAR HARDWARE COMPONENTS AND ACCESSORIES FOR COMPLETE INSTALLATION.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:
07/03/2025

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THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - DEMO & NEW POWER - PHASE 2 ACD-001

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. E2.07
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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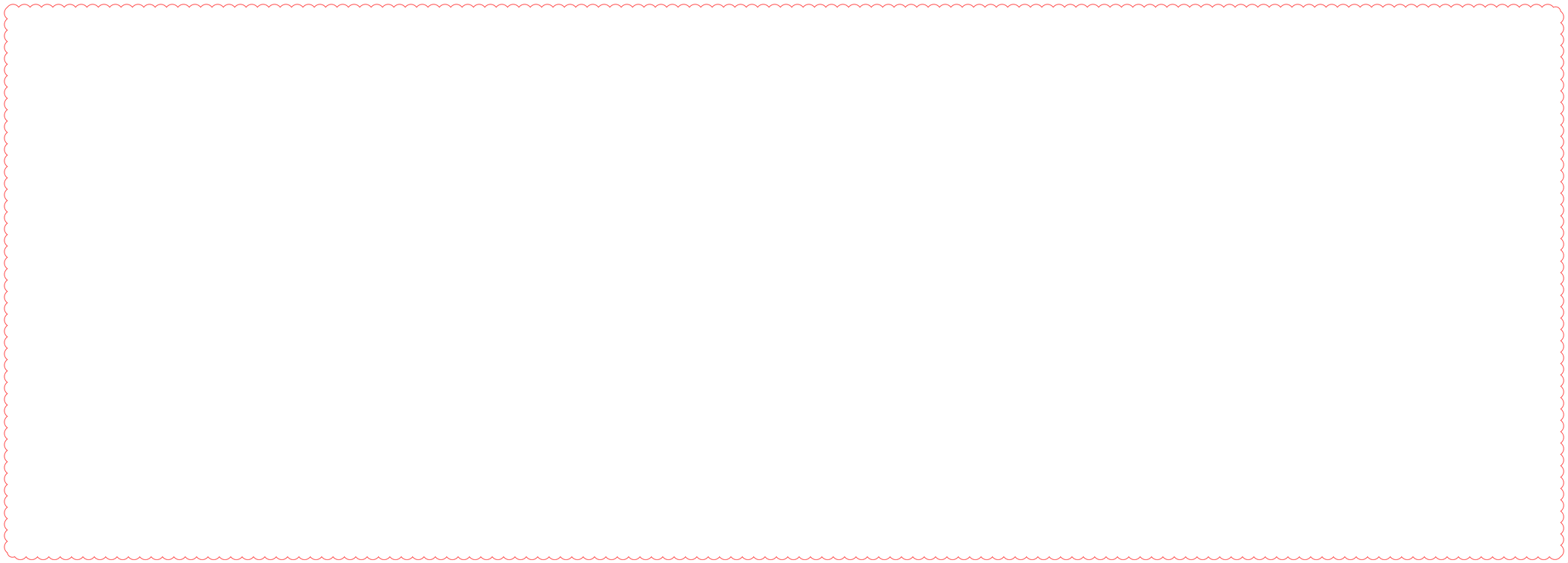

30 ENLARGED OVERALL BASEMENT PLAN - PHASING LAYOUT - LIGHTING

1/8" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

07/03/2025

UC DAVIS HEALTH
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THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - PHASING LAYOUT - LIGHTING

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	E3.01
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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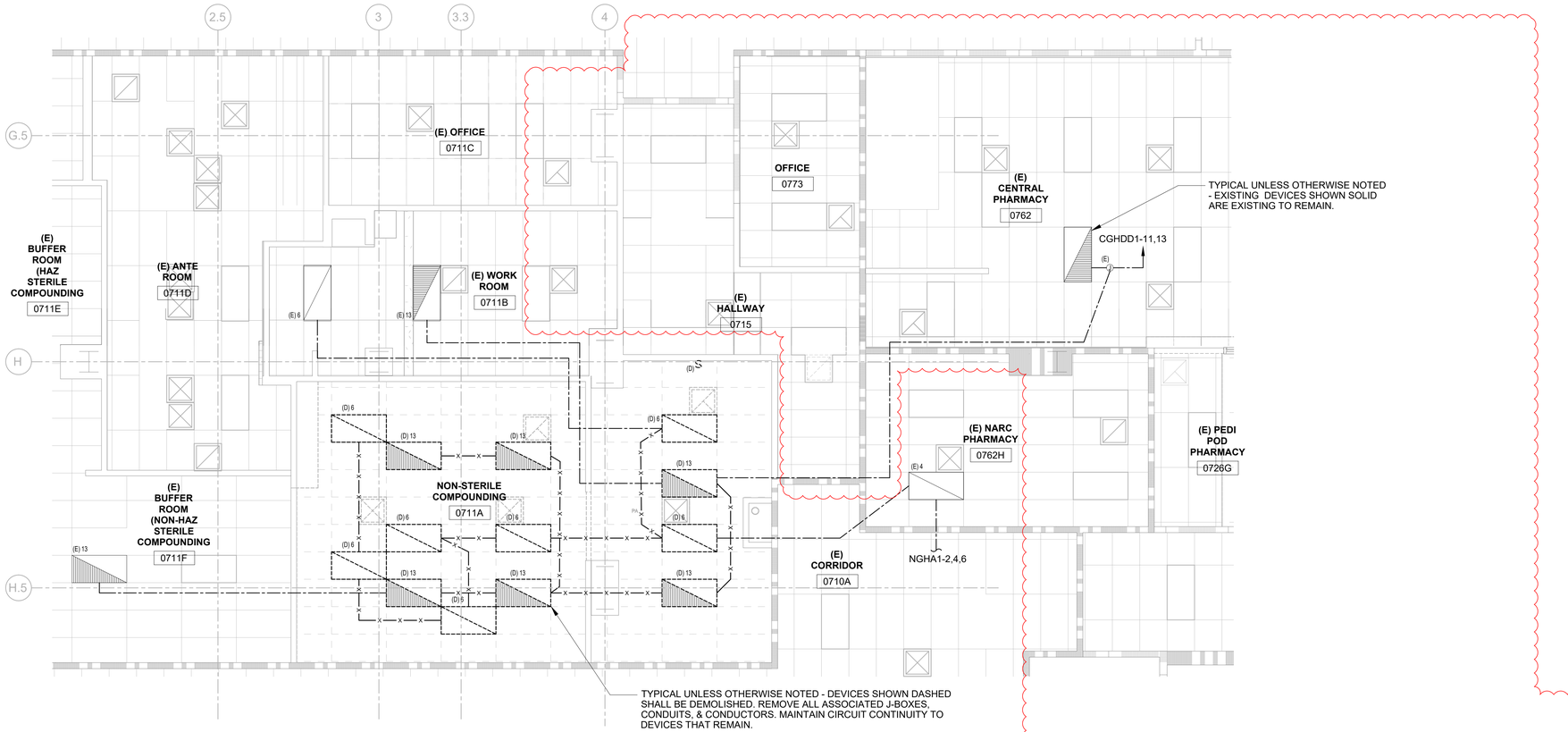
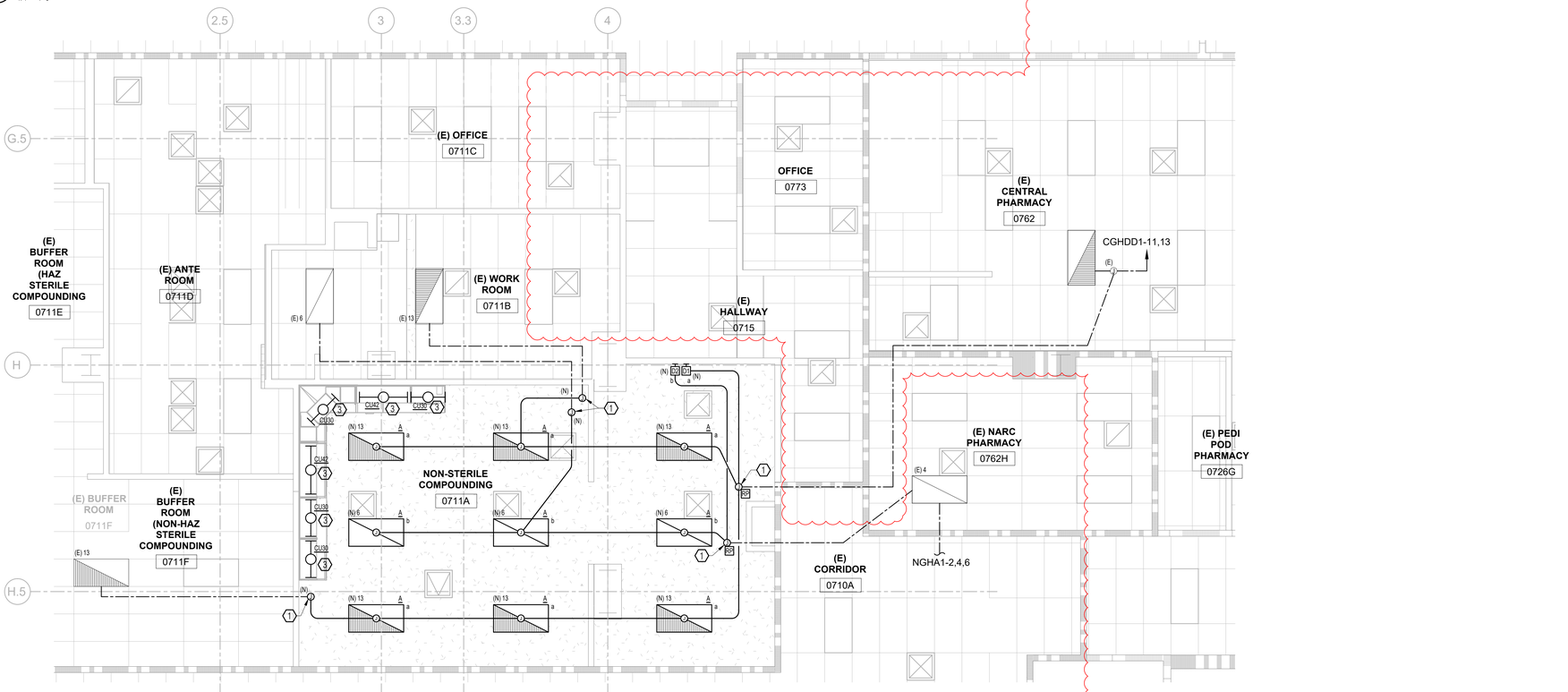


28 ENLARGED BASEMENT FLOOR PLAN - PHASE 1 - DEMO LIGHTING

1/4" = 1'-0"



30 ENLARGED BASEMENT FLOOR PLAN - PHASE 1 - NEW LIGHTING

1/4" = 1'-0"

SHEET NOTES

1. SEE OVERALL FLOOR PLAN(S) FOR (E) PANEL LOCATION(S).
2. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
3. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.

NUMBERED NOTES

1. PROVIDE (N) J-BOX TO EXTEND (E) CIRCUIT TO (N) FIXTURE AS INDICATED.
2. NOT USED. ACD-001
3. REFER TO SHEET 20/E2.03 FOR RECEPTACLE TO POWER UNDER CABINET LIGHT.

ACD-001

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD: 07/03/2025

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:
EDGE Electrical Engineering
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S2410013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. E3.02
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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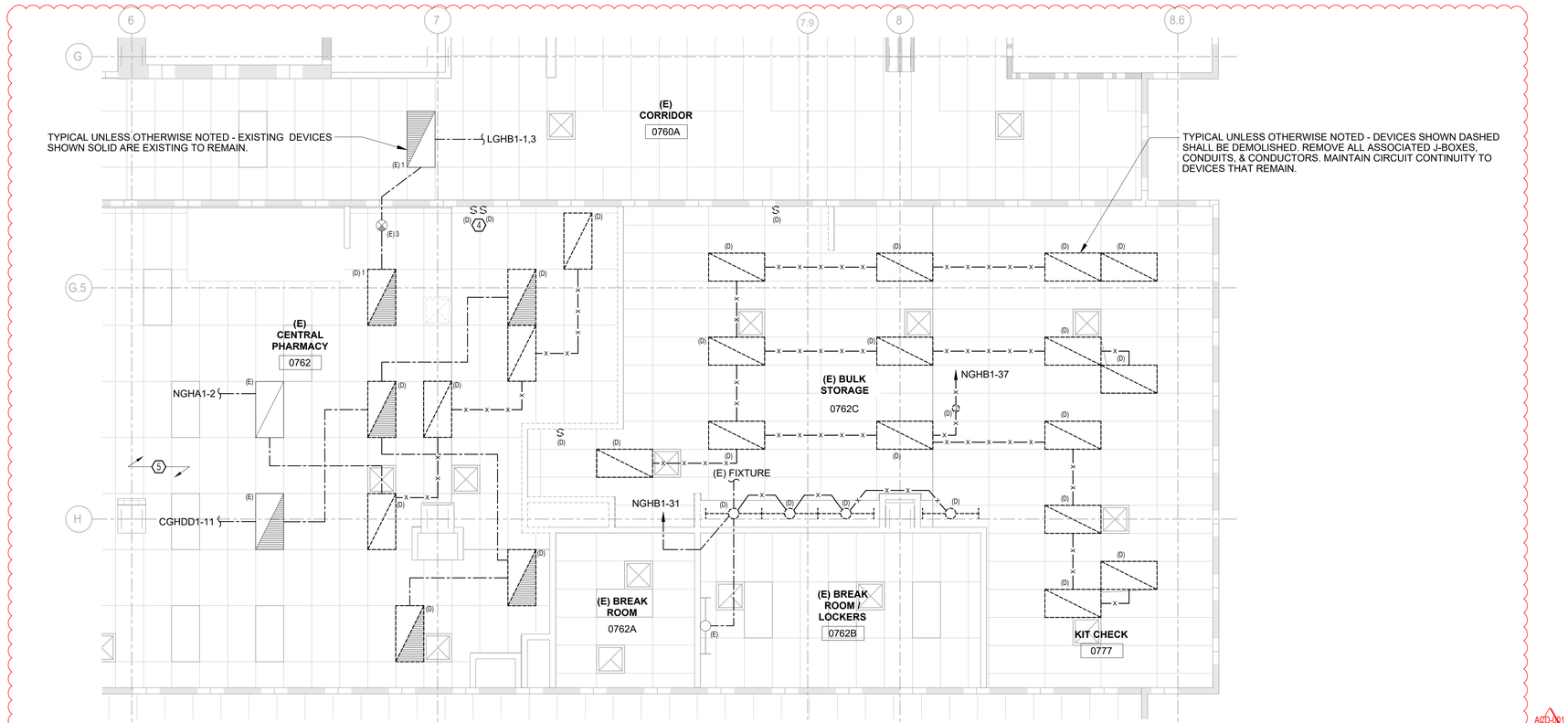
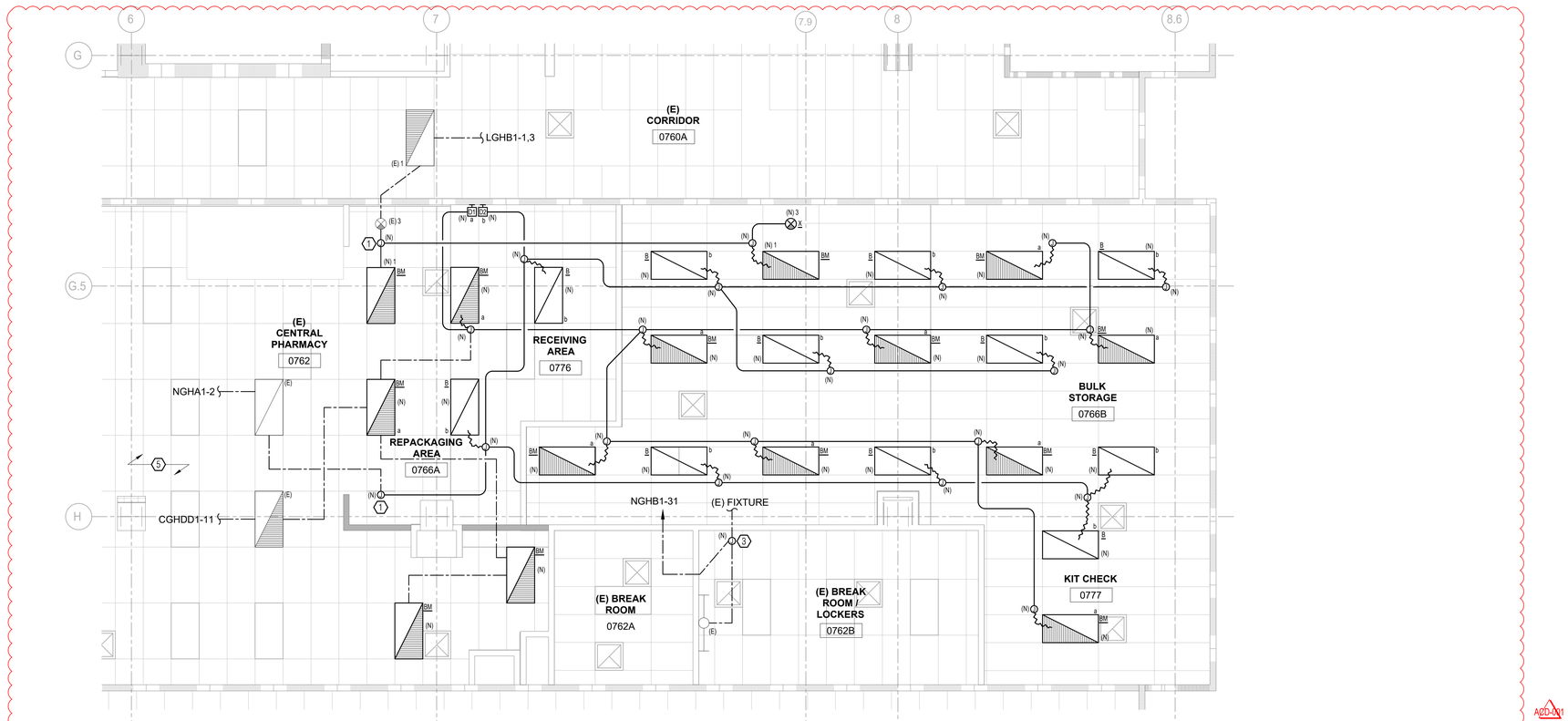


28 ENLARGED BASEMENT FLOOR PLAN - PHASE 1 - DEMO LIGHTING

1/4" = 1'-0"



30 ENLARGED BASEMENT FLOOR PLAN - PHASE 1 - NEW LIGHTING

1/4" = 1'-0"

SHEET NOTES

1. SEE OVERALL FLOOR PLAN(S) FOR (E) PANEL LOCATION(S).
2. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
3. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.

NUMBERED NOTES

1. PROVIDE (N) J-BOX TO INTERCEPT AND EXTEND (E) CIRCUIT TO (N) DEVICE AS INDICATED.
2. EXTEND (E) CIRCUIT TO (N) LUMINAIRE AS INDICATED.
3. PROVIDE (N) J-BOX TO INTERCEPT (E) CIRCUIT TO (E) DEVICE AS INDICATED.
4. (E) 3-WAY SWITCH DEVICE SHALL BE REMOVED. BACKBOX AND CONDUIT SHALL BE RECONFIGURED FOR (N) DIMMER.
5. (E) FIXTURE SHALL REMAIN DURING PHASE 1 AND (E) 3-WAY SWITCH DEVICE LOCATED ON THE OTHER ENTRANCE SHALL BE RECONFIGURED TO CONTROL THE REMAIN (E) FIXTURE.

ACD-001

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APPROVED
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Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 1 (ACD-001)

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	E3.03
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

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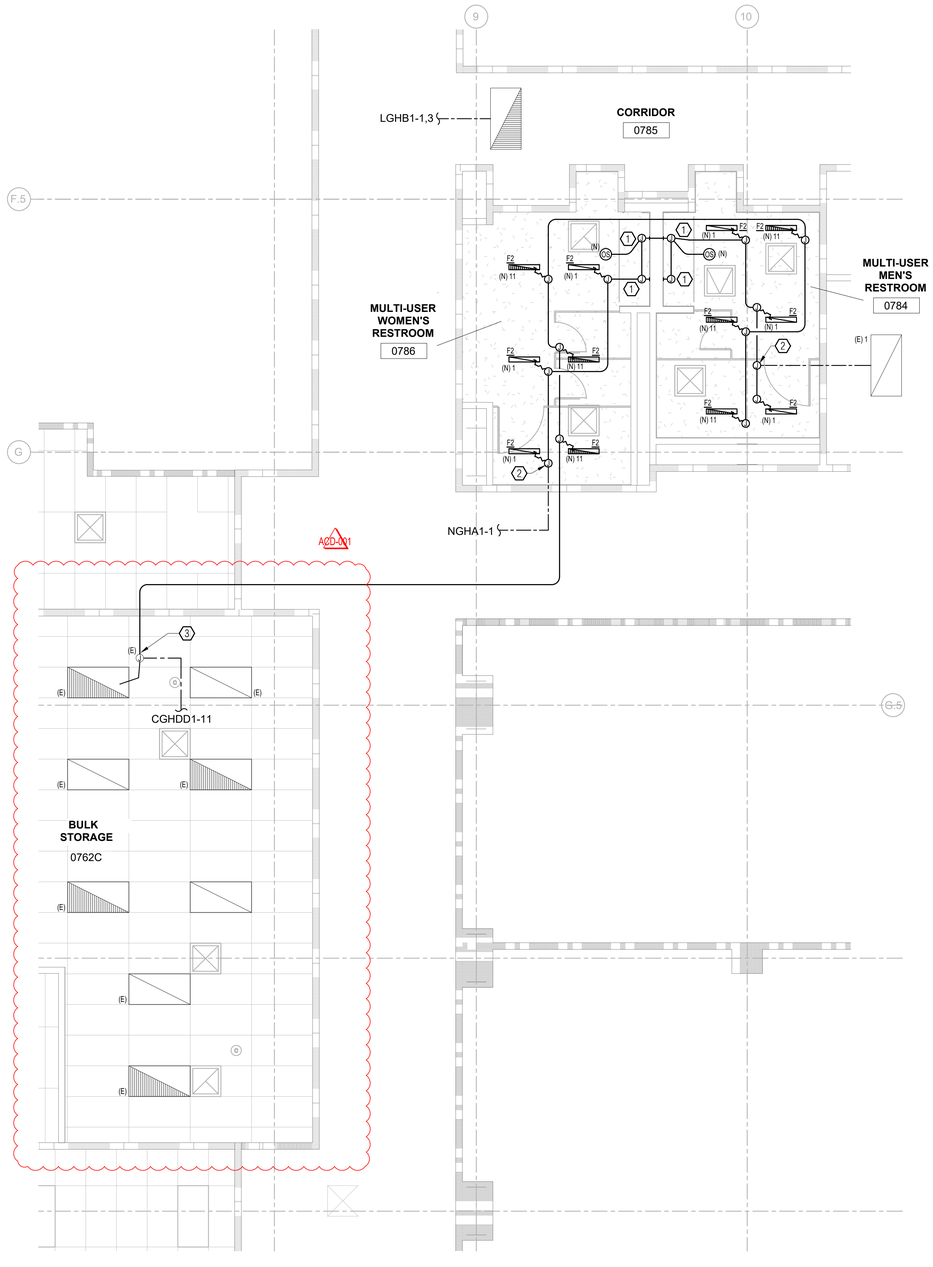
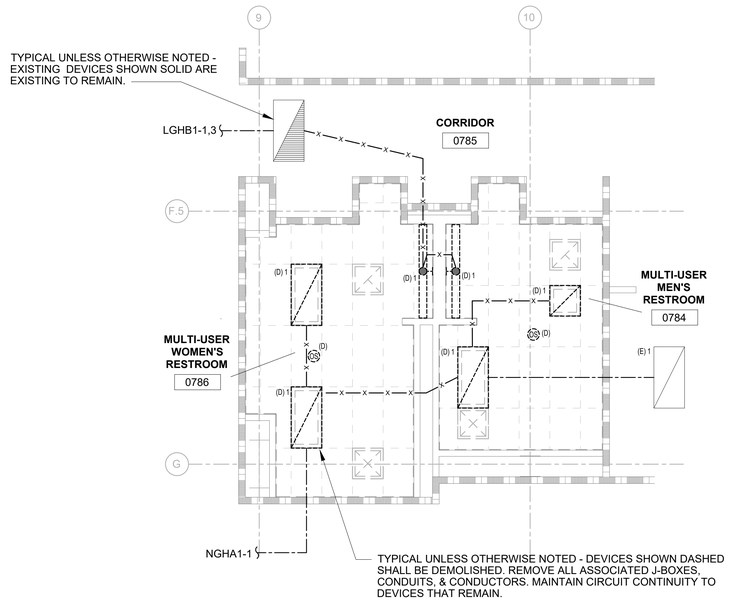


30 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - NEW LIGHTING

1/4" = 1'-0"



13 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - DEMO LIGHTING

1/4" = 1'-0"

SHEET NOTES

1. SEE OVERALL FLOOR PLAN(S) FOR (E) PANEL LOCATION(S).
2. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
3. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.

NUMBERED NOTES

1. SER2-24.00x36.00-L7CSHD-NB-30K ILLUMINATED MIRROR, 277V. 50 WATTS. PROVIDE WITH 277V POWER SUPPLY SWITCH WITH ROOM OCCUPANCY SENSOR. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATION AND HEIGHT.
2. PROVIDE (N) J-BOX TO INTERCEPT AND EXTEND (E) CIRCUIT TO (N) DEVICE AS INDICATED.
3. EXTEND (E) CIRCUIT TO (N) DEVICES AS INDICATED.

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Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	E3.04
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

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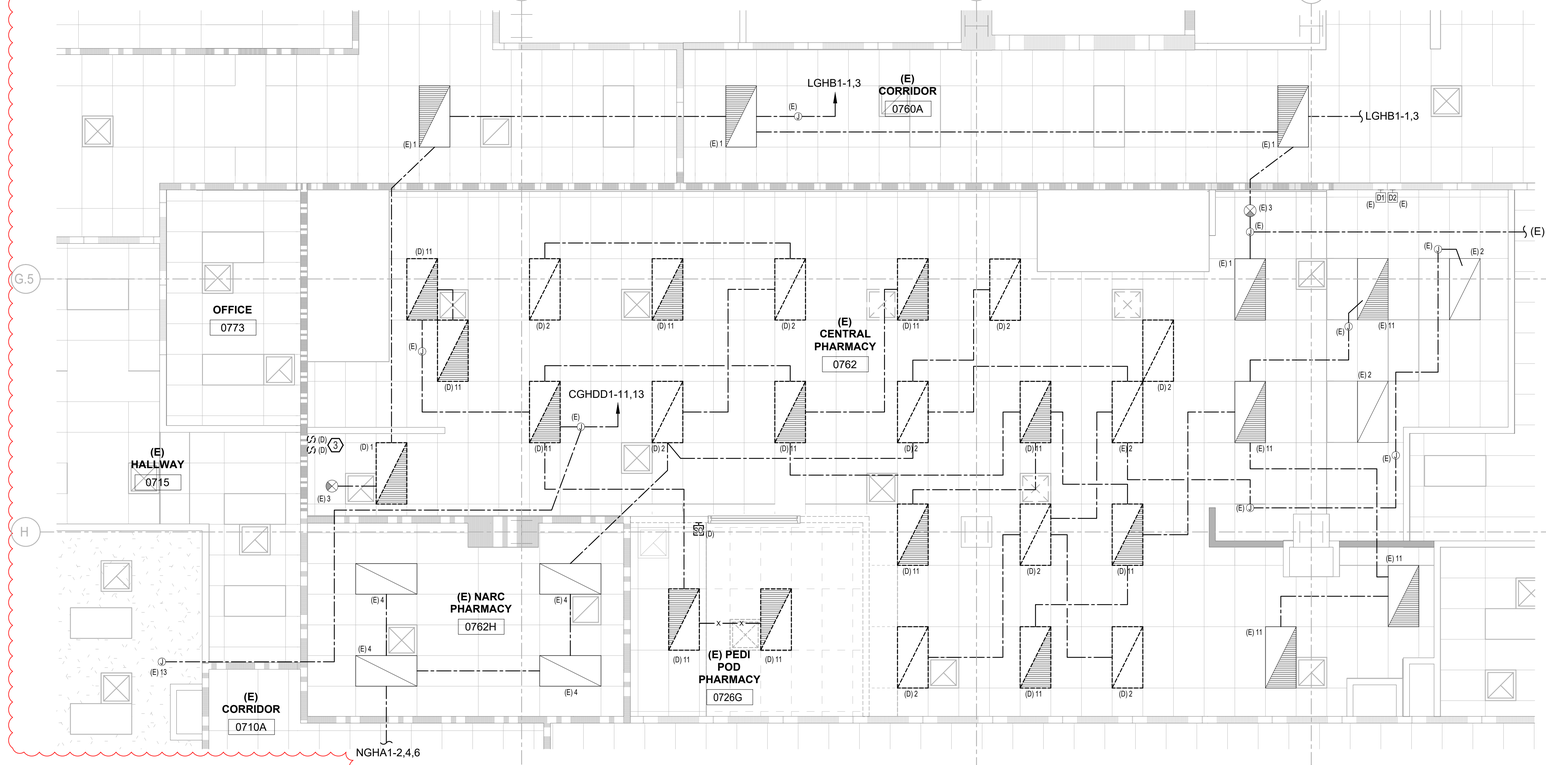
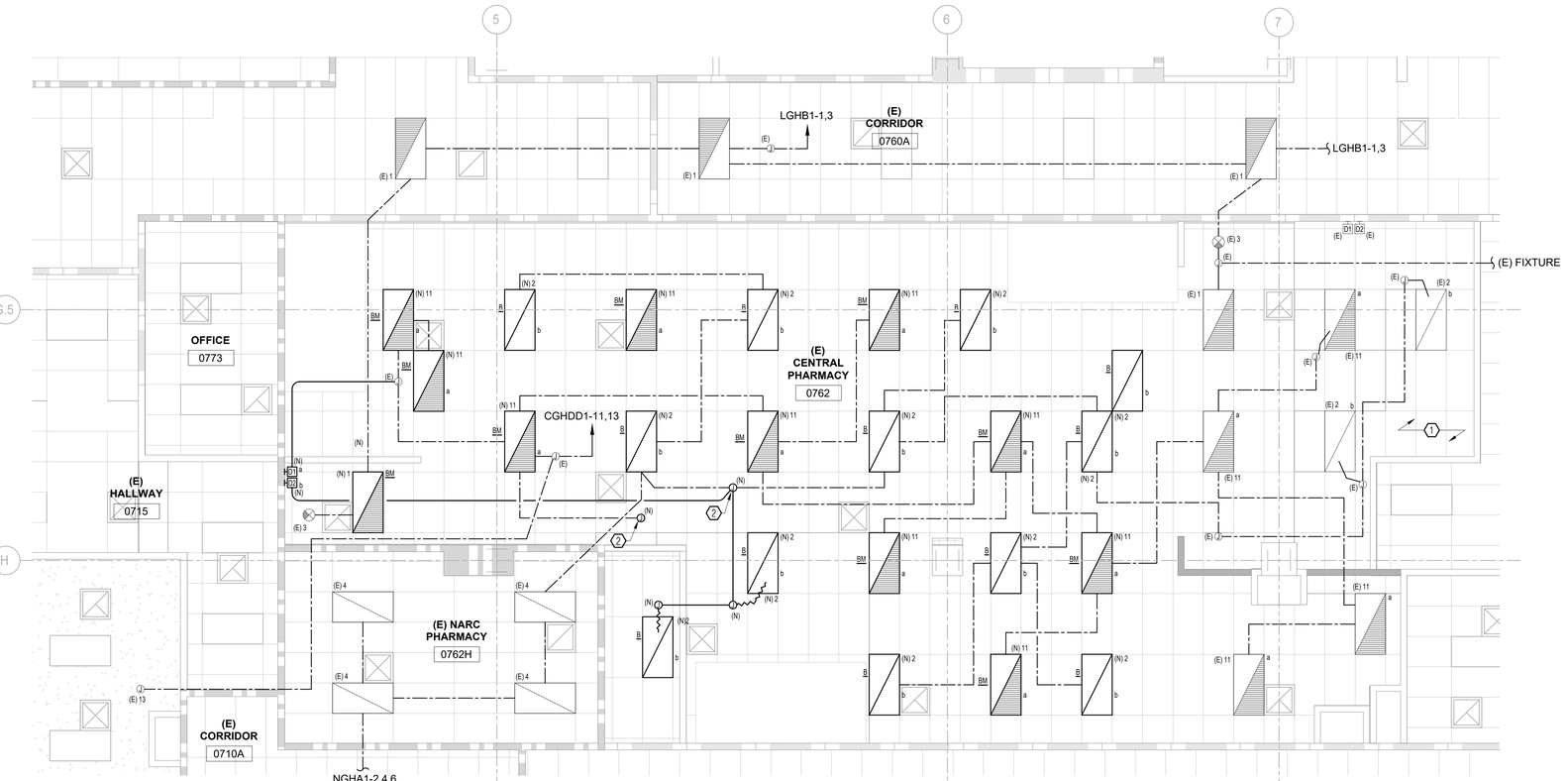


28 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - DEMO LIGHTING

1/4" = 1'-0"



30 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - NEW LIGHTING

1/4" = 1'-0"

SHEET NOTES

1. SEE OVERALL FLOOR PLAN(S) FOR (E) PANEL LOCATION(S).
2. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
3. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ACTIVITY DRAWINGS.

NUMBERED NOTES

1. (E) FIXTURE INSTALLED IN PHASE 1 SHALL BE CONNECT TO (N) DIMMER DEVICE AS REQUIRED. ACD-001
2. PROVIDE (N) J-BOX TO INTERCEPT AND EXTEND (E) CIRCUIT TO (N) DEVICE AS INDICATED.
3. (E) SWITCH DEVICE SHALL BE REMOVED. BACKBOX AND CONDUIT SHALL BE RECONFIGURED FOR (N) DIMMER. ACD-001

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Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - DEMO & NEW LIGHTING - PHASE 2 ACD-001

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	E3.05
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

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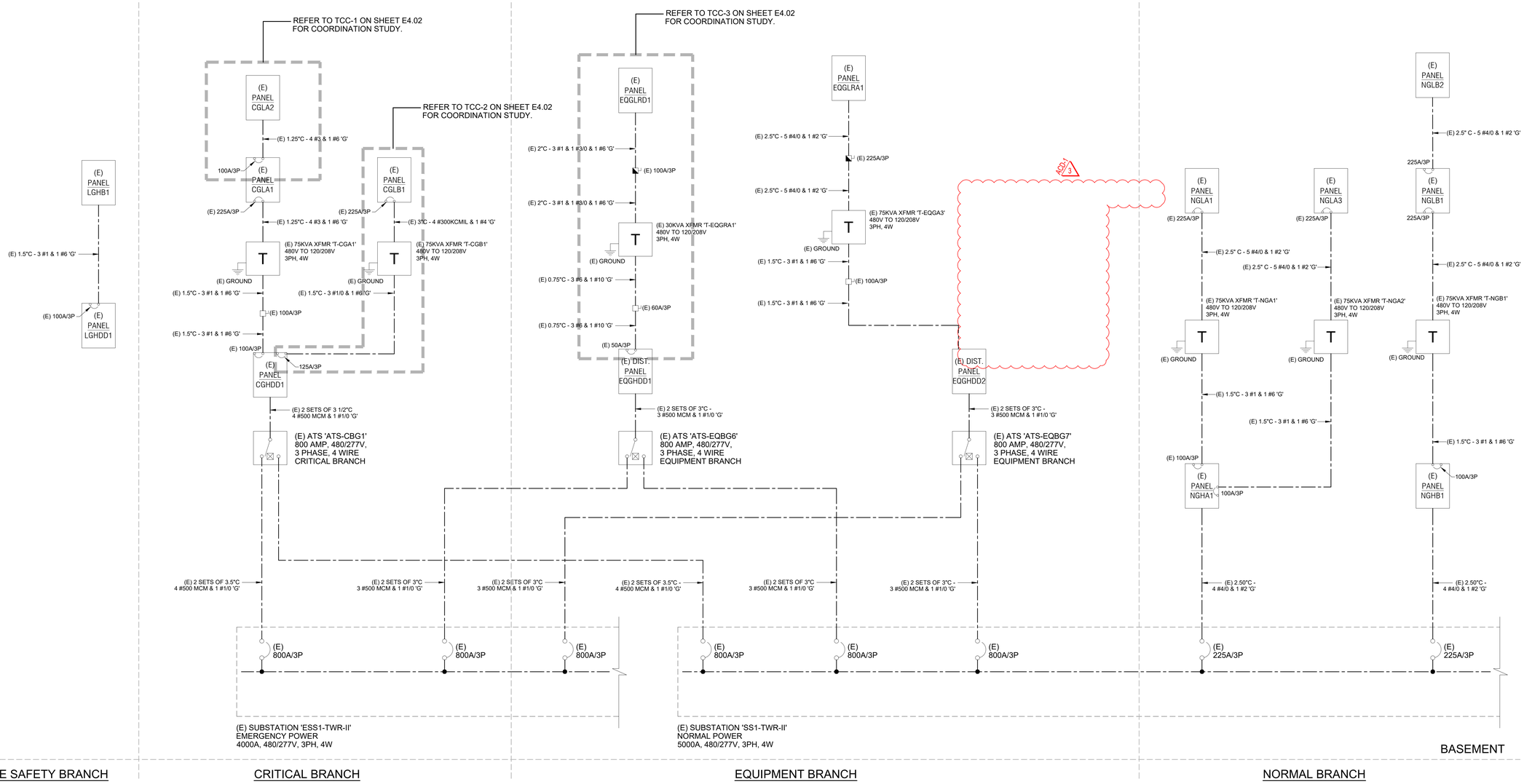

30 (E) PARTIAL ONE-LINE DIAGRAM

NO SCALE

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APPROVED

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Sheet Title: (E) PARTIAL ONE LINE DIAGRAM

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. E4.01
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 06/12/2024	
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CURRENT IN AMPERES AT 208 VOLTS

TIME IN SECONDS

CB EGGLRD1: (N) 20A/2P BRANCH
GE Q Line
THQB
Frame = 100(15-20AT)
Trip = 20

CB EGGLRD1: MAIN
GE Q Line
THQB
Frame = 100(60-100AT)
Trip = 100

EB: EGGLRD1
GE Spectra RMS
Frame = 100A (100AT)
Plug = 100
Cur Set = 1 (100A)
LT Band = Fixed
STPU = Max (950A)
ST Delay = Fixed
ST Delay Pt = In
Inst = 1260A

CB EGGHDD1: FDR T-EGGRA1
GE Spectra RMS
Frame = 60A (50AT)
Plug = 50
Cur Set = 1 (50A)
LT Band = Fixed
STPU = Max (350A)
ST Delay = Fixed
ST Delay Pt = In
Inst = 637A

CURRENT IN AMPERES AT 208 VOLTS

Edge Electrical Consulting	***EasyPower*®** **TIME-CURRENT CURVES**	TCC-3
		FAULT:
		DATE: 5/9/2024
		BY: Thien Do
		REVISION: 0

K018 ONELINE1

CURRENT IN AMPERES AT 208 VOLTS

TIME IN SECONDS

CB CGLB1: (E) 20A/1P BRANCH
SQD Panel
QOB 1P
Frame = 70(20AT)
Trip = 20

CB CGLB1: MAIN
SQD Q Frame
QD
Frame = 250A(225AT)
Trip = 225

CB CGHDD1: FDR T-CGB1
GE Spectra RMS
Frame = 150A (125AT)
Plug = 125
Cur Set = 1 (125A)
LT Band = Fixed
STPU = Max (975A)
ST Delay = Fixed
ST Delay Pt = In
Inst = 1640A

CURRENT IN AMPERES AT 208 VOLTS

Edge Electrical Consulting	***EasyPower*®** **TIME-CURRENT CURVES**	TCC-2
		FAULT:
		DATE: 5/9/2024
		BY: Thien Do
		REVISION: 0

K018 ONELINE1

CURRENT IN AMPERES AT 208 VOLTS

TIME IN SECONDS

CB CGLA2: (N) 20A/1P BRANCH
SQD Panel
QOB 1P
Frame = 70(20AT)
Trip = 20

CB CGLA1: FDR CGLA2
GE Q Line
THQB
Frame = 100A(60-100AT)
Trip = 100

CURRENT IN AMPERES AT 208 VOLTS

Edge Electrical Consulting	***EasyPower*®** **TIME-CURRENT CURVES**	TCC-1
		FAULT:
		DATE: 5/9/2024
		BY: Thien Do
		REVISION: 0

K018 ONELINE1

ADD 1
3

(FINAL) COORDINATION STUDY SHEET NOTES

1. THE COORDINATION STUDY WAS PERFORMED BASED ON THE EXISTING/NEW PROTECTIVE DEVICE INDICATED ON THE ONE-LINE DIAGRAM (SHEET E4.01) AND/OR PANEL SCHEDULES (SHEET E5.01 TO E5.04). THE OVER-CURRENT PROTECTIVE DEVICE (OCPD) COMBINATIONS HAVE BEEN EVALUATED AND DETERMINED THAT IT MEETS THE COORDINATION LEVEL REQUIRED BY CEC 517.31(G) / 700.32 / 701.32 / 620.62 / 695.3(C)(3) / 708.54.
2. WHERE AN EXISTING SPARE OVER-CURRENT PROTECTION DEVICE (OCPD) IS INDICATED TO BE REUSED (AND A COORDINATION STUDY WAS PROVIDED) IS NO LONGER AVAILABLE OR IS DETERMINED TO BE FAULTY, THE CONTRACTOR SHALL PROVIDE A NEW OCPD OF THE SAME TYPE AND PART NUMBER AS SHOWN ON THE TCC. IF THE REPLACEMENT DEVICE IS OF A DIFFERENT PART NUMBER, THE CONTRACTOR SHALL PROVIDE A FINAL COORDINATION STUDY SHOWING THAT THE DEVICE IS COORDINATED WITH THE UPSTREAM AND DOWNSTREAM OCPD AS A DEFERRED APPROVAL SUBMITTAL.
3. WHERE A NEW OVER-CURRENT PROTECTION DEVICE (OCPD) MODEL IS INDICATED ON THE ELECTRICAL DRAWINGS, THE CONTRACTOR SHALL FURNISH THE SPECIFIED PRODUCT. IF AN OCPD WAS SUBSTITUTED, THE CONTRACTOR SHALL INDICATE THE SUBSTITUTION ON THE SUBMITTAL. THE SUBMITTAL SHALL CLEARLY IDENTIFY THE SPECIFIED AND THE SUBSTITUTED OCPD. THE CONTRACTOR SHALL PROVIDE AN UPDATED TCC SHOWING THAT THE SUBSTITUTED OCPD COORDINATES WITH THE UPSTREAM AND DOWNSTREAM OCPD AS PART OF THE SUBMITTAL. THE ARCHITECT AND EEOR SHALL BE INFORMED OF THE SUBSTITUTION IN A TIMELY MANNER PRIOR TO THE START OF CONSTRUCTION.

TIME CURRENT CURVE - CIRCUIT BREAKER NAMING CONVENTION:

ABBREVIATIONS:

CB:	CIRCUIT BREAKER
EB:	ENCLOSED CIRCUIT BREAKER
F:	FUSE
MAIN:	MAIN DEVICE
FDR:	FEEDER DEVICE
BRANCH:	BRANCH DEVICE

SAMPLE:
'CB CGLA1: FDR CGLA2' - CIRCUIT BREAKER LOCATED IN PANEL CGLA2 AND FEEDING EQUIPMENT/PANEL CGLA1.

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(E) PANEL NGLA1

LOCATION:	ELEC. RM 0714	MOUNTING:	FLUSH
PANEL A.I.C.	10,000	X	SURFACE

SECTION 1 OF 1 | SERVING NORMAL | BUS RATING: 225 AMP | X MAIN BREAKER: 225 AMP | MAIN LUGS ONLY | FED-THRU LUGS | THREE PHASE 4-WIRE | VOLTAGE 208Y/120

LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
TVSS		1.08			15	1	1	A	2	1	20	1.00				TRACK LTG 741A CC#030
TVSS		1.08			15	1	3	B	4	1	20	1.00				TRACK LTG 741A CC#030
TVSS		1.26			15	1	5	C	6	1	20			1.00		CHLOR GEN MECH RM OP611
RECEPTS RM 0771A		0.54			20	1	7	A	8	1	20					SPARE
SWISSLOG RM 0715				1.00	20	1	9	B	**10**	**1**	**20**					**SPARE**
RECEPTS		1.04			20	1	11	C	**12**	**1**	**20**					**SPARE**
RECEPTS RM 0776		0.72			20	1	13	A	**14**	**1**	**20**					**SPARE**
RECEPTS RM 0776		0.54			20	1	15	B	16	1	20		1.08			RECEPTS 0762B
RECEPTS RM 0776		0.72			20	1	17	C	18	1	20		0.54			RECEPTS RM 0762C & 0776
POWERED FURNITURE RM 0762C		0.54			20	1	19	A	20	1	20					SPARE
SPARE					20	1	21	B	22	1	20		1.26			RECEPTS 0741, 0744
SPARE					20	1	23	C	24	1	20		0.90			RECEPTS 0744
HOT WATER CONTROLS				0.40	20	1	25	A	26	1	20		1.44			RECEPTS 0782
ROOM 0762 PLUGSTRIP		1.08			20	1	27	B	28	1	20		0.72			RECEPTS RM 0776A
CHLOR GEN MECH 0744			1.00		20	1	29	C	30	1	20		0.54			RECEPTS 0711B
SPARE					20	1	31	A	32	1	20		0.72			WIREMOLD OFFICE 0711C
RECEPTS RM 0711A		1.08			20	1	33	B	34	1	20		0.36			RECEPTS RM 0711A
UC LIGHT RM 0711A	0.05				20	1	35	C	36	1	20				1.00	DISHWASHER RM 0711A
TASK LTG 0792A	0.50				20	1	37	A	38	1	20					SPARE
UPS RM 0793				2.50	30	2	39	B	40	1	20					SPARE
-				2.50	-	-	41	C	42	1	20					SPARE
TOTALS ---------->	0.55	9.68	1.00	6.40								2.00	7.56	1.00	1.00	<---------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 3.19 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 13.62 KVA
TOTAL NONCONTINUOUS LOAD: 7.40 KVA
TOTAL MOTOR LOAD: 2.00 KVA
LARGEST MOTOR @ 25%: 1 KVA 0.25 KVA

PHASE 2 MAKE READY

TOTAL DEMAND LOAD: 26.46 KVA | CONNECTED KVA TOTAL/PHASE | A 6.94 | B 11.70 | C 10.55 | MINIMUM FEEDER CAPACITY 26.46 KVA 73.44 AMP

(E) PANEL NGLA1

LOCATION:	ELEC. RM 0714	MOUNTING:	FLUSH
PANEL A.I.C.	10,000	X	SURFACE

SECTION 1 OF 1 | SERVING NORMAL | BUS RATING: 225 AMP | X MAIN BREAKER: 225 AMP | MAIN LUGS ONLY | FED-THRU LUGS | THREE PHASE 4-WIRE | VOLTAGE 208Y/120

LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
TVSS		1.08			15	1	1	A	2	1	20	1.00				TRACK LTG 741A CC#030
TVSS		1.08			15	1	3	B	4	1	20	1.00				TRACK LTG 741A CC#030
TVSS		1.26			15	1	5	C	6	1	20			1.00		CHLOR GEN MECH RM OP611
LIONVILLE CASEWORK RM 0711A		1.26			20	1	7	A	8	1	20					SPARE
SWISSLOG RM 0715				1.00	20	1	9	B	10	1	20					SPARE
RECEPTS		1.04			20	1	11	C	12	1	20			0.54		RECEPTS 0762G
RECEPTS 0762H		0.54			20	1	13	A	14	1	20			0.72		RECEPTS 0762
POWERED FURN RM 0762C		1.08			20	1	15	B	16	1	20			1.08		RECEPTS 0762B
POWERED FURN RM 0762C		1.08			20	1	17	C	18	1	20			0.90		RECEPTS 0762C
POWERED FURN RM 0762C		1.08			20	1	19	A	20	1	20					SPARE
REFRIG 711A			1.00		20	1	21	B	22	1	20			1.26		RECEPTS 0741, 0744
SPARE					20	1	23	C	24	1	20			0.90		RECEPTS 0744
HOT WATER CONTROLS			0.40		20	1	25	A	26	1	20			1.44		RECEPTS 0782
ROOM 0762 PLUGSTRIP		1.08			20	1	27	B	28	1	20			0.54		RECEPTS 0762
CHLOR GEN MECH 0744			1.00		20	1	29	C	30	1	20			0.54		RECEPTS 0711B
SPARE					20	1	31	A	**32**	**1**	**20**			**0.72**		**WIREMOLD OFFICE 0711C**
PLUGSTRIP		1.08			20	1	33	B	34	1	20			1.08		LIONVILLE CASEWORK RM 0711A
PLUGSTRIP RM 0711A		1.08			20	1	35	C	36	1	20			1.08		LIONVILLE CASEWORK RM 0711A
TASK LTG 0792A	0.50				20	1	37	A	38	1	20			1.08		LIONVILLE CASEWORK RM 0711A
UPS RM 0793			2.50		30	2	39	B	40	1	20			1.08		LIONVILLE CASEWORK RM 0711A
-			2.50		-	-	41	C	42	1	20			1.08		LIONVILLE CASEWORK RM 0711A
TOTALS ---------->	0.50	12.74	1.00	7.40								2.00	14.40	1.00	0.00	<---------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 3.13 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 18.57 KVA
TOTAL NONCONTINUOUS LOAD: 7.40 KVA
TOTAL MOTOR LOAD: 2.00 KVA
LARGEST MOTOR @ 25%: 1 KVA 0.25 KVA

PHASE 1 MAKE READY

TOTAL DEMAND LOAD: 31.35 KVA | CONNECTED KVA TOTAL/PHASE | A 9.82 | B 15.22 | C 14.00 | MINIMUM FEEDER CAPACITY 31.35 KVA 87.01 AMP

(E) PANEL NGLB2

LOCATION:	ELEC. RM 0763B	MOUNTING:	FLUSH
PANEL A.I.C.	22,000	X	SURFACE

SECTION 1 OF 1 | SERVING NORMAL | BUS RATING: 225 AMP | X MAIN LUGS ONLY 225 AMP | FED-THRU LUGS | THREE PHASE 4-WIRE | VOLTAGE 208/120Y

LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
TVSS (ON)		1.44			15	1	1	A	2	1	20		1.08			RECEPT 0792A
TVSS (ON)		1.44			15	1	3	B	4	1	20		1.08			RECEPT 0792A, 0791
TVSS (ON)		1.44			15	1	5	C	6	1	20		0.54			RECEPT 0791
PLUGMOLD 0791		1.44			20	1	7	A	8	1	20		1.08			RECEPT 0761, 0771
PLUGMOLD 0791		1.44			20	1	9	B	10	1	20		1.08			RECEPT 0790B, 0804
PLUGMOLD 0791		1.44			20	1	11	C	12	1	20		1.44			PLUGMOLD 0791
PLUGMOLD 0791		1.44			20	1	13	A	14	1	20		1.44			PLUGMOLD 0791
TEMP POWER DISCONNECT #1				**5.20**	**50**	**2**	**15**	B	16	1	20		1.44			PLUGMOLD 0791
-				**5.20**	-	-	**17**	C	18	1	20		1.44			PLUGMOLD 0791
TEMP POWER DISCONNECT #2				**5.20**	**50**	**2**	**19**	A	20	1	20					SPARE
-				**5.20**	-	-	**21**	B	22	1	20					SPARE
PLUGMOLD 0791		1.44			20	1	23	C	24	1	20					SPARE
PLUGMOLD 0791		1.44			20	1	25	A	26	1	20					SPARE
PLUGMOLD 0791		1.44			20	1	27	B	28	1	20		1.44			PLUGMOLD 0791
RECEPT 0797		0.72			20	1	29	C	30	1	20		1.44			PLUGMOLD 0791
RECEPT 0797		0.72			20	1	31	A	32	1	20		1.44			PLUGMOLD 0791
UPS RM 0785C				2.50	30	2	33	B	34	1	20		1.44			POWER POLE RM 0762
				2.50	-	-	35	C	36	1	20					SPARE
RECEPT 0792 99840		0.90			20	1	37	A	38	1	20		1.44			0769/0767 PWR FURN
SPARE					20	1	39	B	40	1	20		1.44			0769/0767 PWR FURN
RECEPT 0802, 00A, 03		0.90			20	1	41	C	42	1	20		1.44			0769/0767 PWR FURN
TOTALS ---------->	0.00	17.64	0.00	25.80								0.00	20.70	0.00	0.00	<---------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 0.00 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 24.17 KVA
TOTAL NONCONTINUOUS LOAD: 25.80 KVA
TOTAL MOTOR LOAD: 0.00 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

TEMP CONSTRUCTION POWER

TOTAL DEMAND LOAI 49.97 KVA | CONNECTED KVA TOTAL/PHASE | A 19.06 | B 25.14 | C 19.94 | MIN. FEEDER CAPACITY 49.97 KVA 138.70 AMP

(E) PANEL NGHA1

LOCATION:	ELEC. RM 0714	MOUNTING:	FLUSH
PANEL A.I.C.	22,000	X	SURFACE

SECTION: 1 OF 1 | SERVING: NORMAL | BUS RATING: 225 AMP | MAIN BREAKER: | THREE PHASE 4-WIRE | VOLTAGE 480Y/277 | X MAIN LUGS ONLY | FED-THRU LUGS

LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
LIGHTING SE 0744	4.19				20	1	1	A	2	1	20	2.64				LIGHTING PHARMACY 0762
LIGHTING NE 0763	3.80				20	1	3	B	4	1	20	1.43				0714, 0762G, 0762H
SPARE					20	1	5	C	6	1	20	2.90				LIGHTING PHARM WORK 0715, 0751, 0752
			2.16		-	-	7	A	8	1	20	1.22				LIGHTING 0720, 0700B CC#30
ACU 4C			2.16		20	3	9	B	10	1	20	0.61				LIGHTING 0720, 0700B CC#30
-			2.16		-	-	11	C	12	1	20	1.00				EXT. SW. GEAR
-			2.16		-	-	13	A	14	1	20	1.00				L.C.P. POWER
ACU 5C			2.16		20	3	15	B	16	1	20					SPARE
-			2.16		-	-	17	C	18	1	20					SPARE
SPARE					20	1	19	A	20	1	20					SPARE
SPARE					20	1	21	B	22	1	20					SPARE
SPARE					20	1	23	C	24	1	20					SPARE
SPARE					20	1	25	A	26	1	20					SPARE
SPARE					20	1	27	B	28	1	20					SPARE
SPARE					20	1	29	C	30	1	20					SPARE
-				**13.30**	-	-	**31**	A	32	-	-	0.00	14.15	0.00	0.00	-
TEMP DISCONNECT SAW CUTTER				**13.30**	**100**	**3**	**33**	B	34	1	100	0.00	11.34	0.00	0.00	TRANSFORMER "T-NGA2"
-				**13.30**	-	-	**35**	C	36	-	-	0.00	11.52	0.00	0.50	-
-	1.50	7.20	0.00	0.40	-	-	37	A	38	1						SPACE
TRANSFORMER "T-NGA1"	1.00	9.72	0.00	4.50	100	3	39	B	40	1						SPACE
	0.00	10.40	0.00	2.50	-	-	41	C	42	1						SPACE
TOTALS ---------->	10.49	27.32	12.96	47.30								10.81	37.01	0.00	0.50	<---------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 26.62 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10,000VA, & 50% FOR REMAINDER: 37.16 KVA
TOTAL NONCONTINUOUS LOAD: 47.80 KVA
TOTAL MOTOR LOAD: 12.96 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

TEMP CONSTRUCTION POWER

TOTAL DEMAND LOAD: 124.54 KVA | CONNECTED KVA TOTAL/PHASE | A 49.92 | B 50.02 | C 46.44 | MINIMUM FEEDER CAPACITY 124.54 KVA 149.80 AMP

MAKE READY PHASE 1
MAKE READY PHASE 2
TEMP CONSTRUCTION POWER

PANEL NUMBERED NOTES

1. PROVIDE (N) 50A/2P GFCI CIRCUIT BREAKERS FOR SPIDER BOXES. 208V, 1Ø, (SPIDER) TEMP POWER BOX, 50AMP, LOCATION BY CONTRACTOR, REMOVED AFTER CONSTRUCTION COMPLETION.
2. NOT USED.
3. PROVIDE (N) 100A/3P GFCI CIRCUIT BREAKER FOR SAW CUTTER. 480V, 3Ø, LOCATION BY CONTRACTOR, REMOVED AFTER CONSTRUCTION COMPLETION.

PANEL SCHEDULE NOTES

1. ALL CIRCUITS INDICATED "LIGHT" ON PANEL SCHEDULES ARE EXISTING TO REMAIN AND HAVE NOT BEEN MODIFIED AS PART OF THIS PROJECT.
2. ALL CIRCUITS INDICATED "BOLD" ON PANEL SCHEDULES HAVE BEEN MODIFIED, ALTERED, OR ADDED AS PART OF THIS PROJECT.
3. PROVIDE UPDATED 'TYPEWRITTEN' PANEL INDEX. PANEL INDEX SHALL INCLUDE DATE APPLIED AND ALSO WHERE THE PANEL IS FED FROM.
4. PROVIDE BLANK COVER PLATES OVER ANY EXPOSED CIRCUIT BREAKER SPACE THAT IS EXPOSED.
5. UPON OPENING EXISTING PANELS, TURN ANY CIRCUIT BREAKERS WITH NO CONDUCTORS OR NOT CONNECTED TO A LOAD INTO THE "OFF" POSITION AND UPDATE PANEL SCHEDULE.

PANEL SCHEDULE INDEX

-	NGLA1 PHASE 2 MAKE READY	NGLA1 PHASE 1 MAKE READY
NGLB2 TEMP POWER	NGHA1 TEMP POWER	-
-	-	-

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

07/03/2025

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:
EDGE MEP/FP/SP/ELECTRICAL ENGINEERING
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: PANEL SCHEDULES - MAKE READY PHASE 1 & PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. E5.01
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" (0, 5', 50') · 1/8" = 1'-0" (0, 5', 25') · 1/4" = 1'-0" (0, 1', 12') · 1/2" = 1'-0" (0, 1', 6') · 3/4" = 1'-0" (0, 4') · 1" = 1'-0" (0, 1', 3') · 1 1/2" = 1'-0" (0, 2') · 3" = 1'-0" (0, 1')

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

(E) PANEL EQGLRA1

SECTION 1 OF 1 · SERVING: EQUIPMENT · LOCATION: ELEC. RM 0709 · PANEL A.I.C.: 10,000 · MOUNTING: X SURFACE · BUS RATING: 225 AMP · MAIN BREAKER: · X MAIN LUGS ONLY · THREE PHASE 4-WIRE · VOLTAGE 208Y/120

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	C.B. AMP	C.B. POLE	CKT #	PH	CKT #	C.B. POLE	C.B. AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
TVSS				0.05	15	1	1	A	2	1	20		0.36			AUX SERVICE EQ RACK
TVSS				0.05	15	1	3	B	4	1	20		0.36			AUX SERVICE EQ RACK
TVSS				0.05	15	1	5	C	6	1	20		0.36			AUX SERVICE EQ RACK
T1 TRANSMISSION EQ RACK		0.50			20	1	7	A	8	1	20					SPARE
U.F.EQ CABINET				0.20	20	1	9	B	10	1	20		0.72			U.F. RECEPT BOX RACK
SPARE					20	1	11	C	12	1	20		0.72			U.F. RECEPT PACBELL MUX
U.F.RECEPT NEC MAT				1.00	20	1	13	A	14	1	20		0.72			RECEPT NORTH 0709
(NEED TO TRACE)					20	1	15	B	16	1	20		0.72			RECEPT EAST 0709
SPARE					**20**	**1**	**17**	C	18	1	20		0.72			RECEPT SOUTH WEST 0709
T1 TRANSMISSION EQ RACK		0.50			20	1	19	A	20	1	20		0.90			0703 NETOPS
T1 TRANSMISSION EQ RACK		0.50			20	1	21	B	22	1	20		0.90			0703 NETOPS
T1 TRANSMISSION EQ RACK		0.50			20	1	23	C	24	2	60				2.90	IT RACK UPS
SPARE					**20**	**1**	**25**	A	26	-	-				2.90	-
SPARE					**20**	**1**	**27**	B	28	2	60				2.90	IT RACK UPS
CARD KEY POWER 0709/0793				0.54	20	1	29	C	30	-	-				2.90	-
SERVER RACK 0703 SOUTH WEST				1.00	20	2	31	A	32	2	20		1.00			RECEPT 208C SERVER RACK 0703 SOUTH
-				1.00	-	-	33	B	34	-	-		1.00			-
RATE LCO DC POWER EQ 0709				2.90	60	2	35	C	36	2	60				2.90	DC POWER EQ 0709
-				2.90	-	-	37	A	38	-	-				2.90	-
RATE LCO DC POWER EQ 0709				2.90	60	2	39	B	40	2	20				1.00	SERVER RACK 0703 SOUTH WEST
-				2.90	-	-	41	C	42	-	-				1.00	-
TOTALS ---------->	0.00	2.00	0.00	15.49								0.00	8.48	0.00	19.40	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 0.00 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 10.24 KVA
TOTAL NONCONTINUOUS LOAD: 34.89 KVA
TOTAL MOTOR LOAD: 0.00 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 1

TOTAL DEMAND LOAD: 45.13 KVA · CONNECTED KVA TOTAL/PHASE: A 14.73 · B 12.25 · C 18.39 · MINIMUM FEEDER CAPACITY 45.13 KVA 125.27 AMP

(E) PANEL CGHDD1

SECTION: 1 OF 1 · SERVING: CRITICAL · LOCATION: ELEC. RM 0812A · PANEL A.I.C.: 42,000 · MOUNTING: X SURFACE · BUS RATING: 800 AMP · MAIN BREAKER: · X MAIN LUGS ONLY · THREE PHASE 4-WIRE · VOLTAGE 480Y/277

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	C.B. AMP	C.B. POLE	CKT #	PH	CKT #	C.B. POLE	C.B. AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
-				35.38	-	-	-	A	-	-	-					-
C2HDA1				35.38	600	3	1	B	2	3						SPACE
-				35.38	-	-	-	C	-	-	-					-
-					-	-	-	A	-	-	-					-
SPACE						3	3	B	4	3						SPACE
-					-	-	-	C	-	-	-					-
-					-	-	-	A	-	-	-					-
SPACE						3	5	B	6	3						SPACE
-					-	-	-	C	-	-	-					-
-	0.00	29.64	0.00	0.00	-	-	-	A	-	-	-					-
T-CGA1	0.00	33.60	0.00	0.00	100	3	7	B	8	3	100					SPARE
-	0.00	36.74	0.00	0.40	-	-	-	C	-	-	-					-
-					-	-	-	A	-	-	-					-
SPARE					100	3	9	B	10	3						SPACE
-					-	-	-	C	-	-	-					-
LTG RM 0762, 0785C	**1.50**				**20**	**1**	**11**	A	-	-	-					-
LTG RM 0711, 0808	**1.25**				**20**	**1**	**13**	B	12	3	50					SPARE
LTG RM 0709	0.51				20	1	15	C	-	-	-					-
TOTALS ---------->	3.26	99.98	0.00	106.55								0.00	0.00	0.00	0.00	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 4.08 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10,000VA, & 50% FOR REMAINDER: 54.99 KVA
TOTAL NONCONTINUOUS LOAD: 106.55 KVA
TOTAL MOTOR LOAD: 0.00 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 1

TOTAL DEMAND LOAD: 165.61 KVA · CONNECTED KVA TOTAL/PHASE: A 66.52 · B 70.24 · C 73.03 · MINIMUM FEEDER CAPACITY 165.61 KVA 199.20 AMP

(E) PANEL LGHB1

SECTION: 1 OF 1 · SERVING: LIFE SAFETY · LOCATION: ELEC. RM 0736B · PANEL A.I.C.: 22,000 · MOUNTING: X SURFACE · BUS RATING: 100 AMP · MAIN BREAKER: · X MAIN LUGS ONLY · THREE PHASE 4-WIRE · VOLTAGE 480Y/277

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	C.B. AMP	C.B. POLE	CKT #	PH	CKT #	C.B. POLE	C.B. AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
EGRESS LIGHTING GROUND	**2.50**				**20**	**1**	**1**	A	2	1	20	1.91				EGRESS GROUND LINK
EXITS GROUND	**0.24**				**20**	**1**	**3**	B	4	1	20	0.15				EXITS GROUND LINK
EGRESS LIGHTING GROUND	3.16				20	1	5	C	6	1	20	2.00				SOUTH STAIR LIGHTING G-9
EXITS GROUND	0.20				20	1	7	A	8	1	20	1.98				NORTH STAIR LIGHTING G-9
SPARE					20	1	9	B	10	1	20	1.40				CENTER ELEVATOR LOBBY G-9
SPARE					20	1	11	C	12	1	20					SPARE
SPARE					20	1	13	A	14	1	20					SPARE
SPARE					20	1	15	B	16	1	20					SPARE
SPARE					20	1	17	C	18	1	20					SPARE
SPARE					20	1	19	A	20	1	20					SPARE
SPARE					20	1	21	B	22	1	20					SPARE
SPARE					20	1	23	C	24	1	20	1.00				ACU 4E ROOM 711E
SPACE							25	A	26							SPACE
SPACE							27	B	28							SPACE
SPACE							29	C	30							SPACE
SPACE							31	A	32							SPACE
SPACE							33	B	34							SPACE
SPACE							35	C	36							SPACE
SPACE							37	A	38							SPACE
SPACE							39	B	40							SPACE
SPACE							41	C	42							SPACE
TOTALS ---------->	6.10	0.00	0.00	0.00								8.44	0.00	0.00	0.00	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 18.18 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10,000VA, & 50% FOR REMAINDER: 0.00 KVA
TOTAL NONCONTINUOUS LOAD: 0.00 KVA
TOTAL MOTOR LOAD: 0.00 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 1

TOTAL DEMAND LOAD: 18.18 KVA · CONNECTED KVA TOTAL/PHASE: A 6.59 · B 1.79 · C 6.16 · MINIMUM FEEDER CAPACITY 18.18 KVA 21.86 AMP

(E) PANEL NGHB1

SECTION: 1 OF 1 · SERVING: NORMAL · LOCATION: ELEC. RM 0763B · PANEL A.I.C.: 10,000 · MOUNTING: X SURFACE · BUS RATING: 225 AMP · MAIN BREAKER: · X MAIN LUGS ONLY · THREE PHASE 4-WIRE · VOLTAGE 480Y/277

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	C.B. AMP	C.B. POLE	CKT #	PH	CKT #	C.B. POLE	C.B. AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
LIGHTING PATIENT ELEV 0730	1.70				20	1	1	A	2	1	20	2.93				LIGHTING 767
SPARE CC#30					20	1	3	B	4	1	20	1.95				LIGHTING ELECTRIC ROOMS
SPARE CC#30					20	1	5	C	6	1	20	2.74				LIGHTING 769
SPARE					20	1	7	A	8	1	20	4.05				LIGHTING LINEN 0771
LIGHTING 710A	0.60				20	1	9	B	10	1	20	4.15				LTG WEST 791, 792, 792A, 802, 803
LIGHTING 710B	0.60				20	1	11	C	12	1	20					SPARE
LIGHTING 740	0.80				20	1	13	A	14	1	20					LIGHTING EXTERIOR (OFF)
LIGHTING 715	0.20				20	1	15	B	16	1	20					SPARE (DELETE SO. SIDE LTS) (OFF)
LIGHTING 760A	0.50				20	1	17	C	18	1	20					CENTER ELEV LIGHTING 0765 (ON)
LIGHTING 770	0.40				20	1	19	A	20	1	20					L.C.P. POWER (ON)
LIGHTING 760B	0.50				20	1	21	B	22	-	-				1.92	-
LIGHTING 750	0.24				20	1	23	C	24	3	20				1.92	ACU 4E ROOM 711E
LIGHTING 800A	0.40				20	1	25	A	26	-	-				1.92	-
LIGHTING 790B	0.30				20	1	27	B	28	-	-				1.92	-
LIGHTING 780	0.40				20	1	29	C	30	3	20				1.92	ACU 5E ROOM 701
SPARE					20	1	31	A	32	-	-				1.92	-
LIGHTING 781A	0.60				20	1	33	B	34	1	20					SPARE
SPARE					20	1	35	C	36	1	20					SPARE
SPARE					**20**	**1**	**37**	A	38	-	-				19.22	-
LIGHTING 700C	0.20				20	1	39	B	40	3	100				19.22	TRANSFORMER "T-NGB1"
LIGHTING 800B	0.50				20	1	41	C	42	-	-				19.22	-
TOTALS ---------->	7.94	0.00	0.00	0.00								15.81	0.00	0.00	69.17	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 29.70 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10,000VA, & 50% FOR REMAINDER: 0.00 KVA
TOTAL NONCONTINUOUS LOAD: 69.17 KVA
TOTAL MOTOR LOAD: 0.00 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 1

TOTAL DEMAND LOAD: 98.87 KVA · CONNECTED KVA TOTAL/PHASE: A 33.33 · B 31.56 · C 28.04 · MINIMUM FEEDER CAPACITY 98.87 KVA 118.92 AMP

(E) PANEL CGLA1

SECTION 1 OF 1 · SERVING: CRITICAL · LOCATION: ELEC. RM 0714 · PANEL A.I.C.: 10,000 · MOUNTING: X SURFACE · BUS RATING: 225 AMP · X MAIN BREAKER: 225 AMP · THREE PHASE 4-WIRE · VOLTAGE 208Y/120

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	C.B. AMP	C.B. POLE	CKT #	PH	CKT #	C.B. POLE	C.B. AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
-	0.00	10.12	1.00	1.60	-	-	1	A	2	1	20		0.74			REFRIG RM 0762 ITEM 072
PANEL CGLA2	0.00	11.28	0.38	0.00	100	3	3	B	4	1	20		0.90			RACK RM 0785C
-	0.00	14.34	0.00	2.18	-	-	5	C	6	1	20					SPARE
SPARE					**20**	**1**	**7**	A	8	2	15		0.26			REFRIG RM 0762 208V
CUBIX RM 0715A				1.80	20	1	9	B	10	-	-		0.26			-
CUBIX RM 0715A				1.11	20	1	11	C	12	1	20		1.44			REFRIG RM 0762 120V
SPARE					20	1	13	A	14	2	15		0.26			REFRIG RM 0762 208V
REFRIG 0762 ITEM 130		1.20			20	1	15	B	16	-	-		0.26			-
REFRIG 0762 ITEM 130		1.20			20	1	17	C	18	1	20		1.08			LIONVILLE CASEWRK RM 0709
REFRIG 0762 ITEM 130		1.20			20	1	19	A	20	1	20		0.54			RECPTS RM 0762H
REFRIG 0762 ITEM 806		1.20			20	1	21	B	22	1	20		0.72			RECPTS RM 0785C
REFRIG 0762 ITEM 70		1.18			20	1	23	C	24	1	20		0.72			RECPTS RM 0785C
REFRIG 0762 ITEM 70		1.18			20	1	25	A	26	1	20		0.72			RECPTS RM 0785C
RECEPT RM 0793		1.08			20	1	27	B	28	1	20		1.08			RECPTS RM 0793
RECPT RM 0793		1.08			20	1	29	C	30	1	20		1.08			RECPTS RM 0793
RECPT RM 0793		1.08			20	1	31	A	32	1	20		0.90			RACKS RM 0793
REFRIG RM 0711D		1.26			20	1	33	B	34	1	20		1.44			RECPTS RM 0703
INCUBATOR RM 0711D				0.40	20	1	35	C	36	1	20		1.44			RECPTS RM 0709
PATIENT HOME MED RM 0715A				0.90	20	1	37	A	38	1	20		1.44			RECPTS RM 0762H
PYXIS STATION RM 0715A				0.90	20	1	39	B	40	1	20		1.44			METASYS RM 0762
RECEPT CAROUSEL RM 0762		0.72			20	1	41	C	42	1	20		1.44			WORKSTATION RM 0762
TOTALS ---------->	0.00	48.12	1.38	8.89								0.00	18.16	0.00	0.00	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 0.00 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 38.14 KVA
TOTAL NONCONTINUOUS LOAD: 8.89 KVA
TOTAL MOTOR LOAD: 1.38 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 1

TOTAL DEMAND LOAD: 48.41 KVA · CONNECTED KVA TOTAL/PHASE: A 21.94 · B 25.20 · C 29.41 · MINIMUM FEEDER CAPACITY 48.41 KVA 134.37 AMP

(E) PANEL CGLA2

SECTION 1 OF 1 · SERVING: CRITICAL · LOCATION: ELEC. RM 0714 · PANEL A.I.C.: 10,000 · MOUNTING: X SURFACE · BUS RATING: 100 AMP · MAIN BREAKER: · X MAIN LUGS ONLY · THREE PHASE 4-WIRE · VOLTAGE 208Y/120

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	C.B. AMP	C.B. POLE	CKT #	PH	CKT #	C.B. POLE	C.B. AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
-		1.50			-	-	1	A	2	-	-		1.50			-
RACK PWR STRP RM 0793		1.50			30	3	3	B	4	3	30		1.50			RACK PWR STRP 0785C
-		1.50			-	-	5	C	6	-	-		1.50			-
FC-1 RM 0795			0.50		20	1	7	A	8	1	20			0.50		FC-2 RM 0785C
REC RM 0711D		0.18			20	1	9	B	**10**	**1**	**20**			**0.38**		**AUTO DOOR RM 0711A** (1)
ACD-001 **SECURITY MONITOR 0776**		**0.18**			**20**	**1**	**11**	C	12	1	20				0.50	REF RM 0711B
LEECH REF RM 0762				0.50	20	1	13	A	14	1	20		1.00			PYXIS RM 0711B
LIONVILLE CASEWORK		0.72			20	1	15	B	16	1	20		0.72			REC RM 0762H
(2) **SECURITY PANEL CORR 0715**				**1.68**	**20**	**1**	**17**	C	18	2	60		4.50			CATV RCK UPS RM 0701
SECURITY POWER SUPPLY 0715		**0.18**			**20**	**1**	**19**	A	20	-	-		4.50			-
INFUSION RM 0791		0.72			20	1	21	B	22	2	60		4.50			CATV RCK UPS RM 0701
INFUSION RM 0792		0.72			20	1	23	C	24	-	-		4.50			-
INFUSION RM 0793		0.72			20	1	25	A	26	1	20				1.10	TEMPORARY HOOD RM 0761
INFUSION RM 0794		0.72			20	1	27	B	28							SPACE
INFUSION RM 0795		0.72			20	1	29	C	30							SPACE
INFUSION RM 0796		0.72			20	1	31	A	32							SPACE
INFUSION RM 0797		0.72			20	1	33	B	34							SPACE
INFUSION RM 0798		0.72			20	1	35	C	36							SPACE
SPACE							37	A	38							SPACE
SPACE							39	B	40							SPACE
SPACE							41	C	42							SPACE
TOTALS ---------->	0.00	11.52	0.50	2.18								0.00	24.22	0.88	1.60	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 0.00 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 22.87 KVA
TOTAL NONCONTINUOUS LOAD: 3.78 KVA
TOTAL MOTOR LOAD: 1.38 KVA
LARGEST MOTOR @ 25%: 0.5 KVA 0.13 KVA

PHASE 1

TOTAL DEMAND LOAD: 28.16 KVA · CONNECTED KVA TOTAL/PHASE: A 12.72 · B 11.66 · C 16.52 · MINIMUM FEEDER CAPACITY 28.16 KVA 78.15 AMP

(E) PANEL CGLB1

SECTION 1 OF 1 · SERVING: CRITICAL · LOCATION: ELEC RM 0763B · PANEL A.I.C.: 10,000 · MOUNTING: X SURFACE · BUS RATING: 225 AMP · X MAIN BREAKER: 225 AMP · THREE PHASE 4-WIRE · VOLTAGE 208Y/120

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	C.B. AMP	C.B. POLE	CKT #	PH	CKT #	C.B. POLE	C.B. AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
ULTRALOW			1.14		20	2	1	A	2	2	20			1.14		FREEZER RM 0761
-			1.14		-	-	3	B	4	-	-			1.14		-
SPARE					20	2	5	C	6	2	20					SPARE
-					-	-	7	A	8	-	-					-
REFRIGERATOR RM 0761			0.34		20	1	9	B	10	1	20			1.00		FREEZER RM 0761
COVID REFRIGERATOR			0.34		20	1	11	C	12	1	20			1.00		FREEZER RM 0761
COVID FREEZER			0.34		20	1	13	A	14	1	20			1.00		FREEZER RM 0761
RECEPTACLE 0761		0.18			20	1	15	B	16	1	20			1.00		FREEZER RM 0761
DOOR POWER SUPPLY, ROOM 0761				0.42	20	1	17	C	**18**	**1**	**20**			**0.34**		**REFRIG HAZAROUS HOLDING 0778** (1)
(1) **REFRIG NON-STERILE RM 0711A**				**1.80**	**20**	**1**	**19**	A	**20**	**1**	**20**			**0.34**		**REFRIG HAZAROUS HOLDING 0778**
HOOD NON-STERILE RM 0711A				**1.11**	**20**	**1**	**21**	B	22	1	20					SPARE
SINK SENSOR RM 0711A, 0779				**0.15**	**20**	**1**	**23**	C	24	1	20					SPARE
SPARE					20	1	25	A	26	1	20					SPARE
SPARE					20	1	27	B	28	1	20					SPARE
SPARE					20	1	29	C	30	1	20					SPARE
SPARE					20	1	31	A	32	1	20					SPARE
(1) **PYXIS NON-STERILE RM 0711A**		**0.36**			**20**	**1**	**33**	B	34	1	20					SPARE
REFRIG NON-STERILE RM 0711A				**0.37**	**20**	**1**	**35**	C	36	1	20					SPARE
-				0.01	-	-	37	A	38	1						SPACE
SURGE PROTECTION DEVICE				0.01	30	3	39	B	40	1						SPACE
-				0.01	-	-	41	C	42	1						SPACE
TOTALS ---------->	0.00	0.54	3.29	3.88								0.00	0.00	6.96	0.00	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 0.00 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 0.54 KVA
TOTAL NONCONTINUOUS LOAD: 3.88 KVA
TOTAL MOTOR LOAD: 10.25 KVA
LARGEST MOTOR @ 25%: 1.14 KVA 0.29 KVA

PHASE 1

TOTAL DEMAND LOAD: 14.95 KVA · CONNECTED KVA TOTAL/PHASE: A 5.77 · B 6.28 · C 2.63 · MINIMUM FEEDER CAPACITY 14.95 KVA 41.51 AMP

(E) PANEL NGLA1

SECTION 1 OF 1 · SERVING: NORMAL · LOCATION: ELEC. RM 0714 · PANEL A.I.C.: 10,000 · MOUNTING: X SURFACE · BUS RATING: 225 AMP · X MAIN BREAKER: 225 AMP · THREE PHASE 4-WIRE · VOLTAGE 208Y/120

ACD001A

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	C.B. AMP	C.B. POLE	CKT #	PH	CKT #	C.B. POLE	C.B. AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
TVSS		1.08			15	1	1	A	2	1	20	1.00				TRACK LTG 741A CC#030
TVSS		1.08			15	1	3	B	4	1	20	1.00				TRACK LTG 741A CC#030
TVSS		1.26			15	1	5	C	6	1	20			1.00		CHLOR GEN MECH RM OP611
RECEPTS RM 0771A		**0.54**			**20**	**1**	**7**	A	8	1	20					SPARE
SWISSLOG RM 0715				1.00	20	1	9	B	10	1	20		0.36			RECEPTS 0762G
RECEPTS		1.04			20	1	11	C	12	1	20		0.54			RECEPTS 0762G
RECEPTS RM 0776		0.18			20	1	13	A	14	1	20		0.72			RECEPTS 0762
RECEPTS RM 0776		**0.54**			**20**	**1**	**15**	B	16	1	20		1.08			RECEPTS 0762B
RECEPTS RM 0776		**0.72**			**20**	**1**	**17**	C	18	1	20		1.44			RECEPTS RM 0762C & 0776
POWERED FURNITURE RM 0762C		0.54			20	1	19	A	20	1	20					SPARE
SPARE					**20**	**1**	**21**	B	22	1	20		1.26			RECEPTS 0741, 0744
SPARE					20	1	23	C	24	1	20		0.90			RECEPTS 0744
HOT WATER CONTROLS				0.40	20	1	25	A	26	1	20		1.44			RECEPTS 0782
ROOM 0762 PLUGSTRIP		1.08			20	1	27	B	**28**	**1**	**20**		**0.72**			**RECEPTS RM 0776A**
CHLOR GEN MECH 0744			1.00		20	1	29	C	30	1	20		0.54			RECEPTS 0711B
SPARE					20	1	31	A	32	1	20		0.72			WIREMOLD OFFICE 0711C
RECEPTS RM 0711A		**1.08**			**20**	**1**	**33**	B	**34**	**1**	**20**		**0.36**			**RECEPTS RM 0711A**
UC LIGHT RM 0711A	**0.05**				**20**	**1**	**35**	C	**36**	**1**	**20**				**1.00**	**DISHWASHER RM 0711A**
TASK LTG 0792A	0.50				20	1	37	A	**38**	**1**	**20**					**SPARE**
UPS RM 0793				2.50	30	2	39	B	**40**	**1**	**20**					**SPARE**
-				2.50	-	-	41	C	**42**	**1**	**20**					**SPARE**
TOTALS ---------->	0.55	9.14	1.00	6.40								2.00	10.08	1.00	1.00	<-------- TOTALS

ACD-001

TOTAL CONTINUOUS LOAD @ 125%: 3.19 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 14.61 KVA
TOTAL NONCONTINUOUS LOAD: 7.40 KVA
TOTAL MOTOR LOAD: 2.00 KVA
LARGEST MOTOR @ 25%: 1 KVA 0.25 KVA

PHASE 1

TOTAL DEMAND LOAD: 27.45 KVA · CONNECTED KVA TOTAL/PHASE: A 7.12 · B 12.06 · C 11.99 · MINIMUM FEEDER CAPACITY 27.45 KVA 76.19 AMP

(E) PANEL NGLA3

SECTION 1 OF 1 · SERVING: NORMAL · LOCATION: ELEC RM 0714 · PANEL A.I.C.: 10,000 · MOUNTING: X SURFACE · BUS RATING: 225 AMP · X MAIN BREAKER: 225 AMP · THREE PHASE 4-WIRE · VOLTAGE 208Y/120

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	C.B. AMP	C.B. POLE	CKT #	PH	CKT #	C.B. POLE	C.B. AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
TVSS		0.72			15	1	1	A	**2**	**1**	**20**		**0.36**			**RECEPT RM 0762**
TVSS		0.36			15	1	3	B	4	1	20		0.90			RECEPT 0762
TVSS		1.26			15	1	5	C	**6**	**1**	**20**		**0.54**			**RECEPTS RM 0766A**
LIONVILLE CASEWRK RM 0711F		0.90			20	1	7	A	8	1	20		1.44			RECEPT RM 0711E
RECEP 0711 D. EWC		0.72			20	1	9	B	10	1	20		1.08			RECEPT RM 0711E, 0711D
RECEP 0711F, 0711D		0.72			20	1	11	C	12	1	20		0.36			DAVIS TOWER CAFÉ MECH AREA GFCI
COPIER RM 0762C CC#30 & 469		1.73			20	1	13	A	14	1	20		1.08			RECEPT RM 0701, 0751, 0752
LIQUIDATOR		1.44			20	1	15	B	16	1	20		0.36			DAVIS TOWER CAFÉ CRTYRD GFCI
LIONVILLE CASEWRK RM 0711F		0.72			20	1	17	C	18	1	20		1.08			LIONVILLE CASEWRK RM 0711E
LIONVILLE CASEWRK RM 0711F		0.72			20	1	19	A	20	1	20		1.08			LIONVILLE CASEWRK RM 0711E
LIONVILLE CASEWRK RM 0711F		0.90			20	1	21	B	22	1	20		1.08			RECEPTS CORR BASEMENT
LIONVILLE CASEWRK RM 0711F		1.08			20	1	23	C	24	1	20		1.08			RECEPTS CORR BASEMENT
LIONVILLE CASEWRK RM 0711F		1.08			20	1	25	A	26	1	20		1.08			RECEPTS CORR BASEMENT
SPARE					**20**	**1**	**27**	B	**28**	**1**	**20**		**0.54**			**RECEPTS RM 0777**
POWERED FURN RM 0762C		0.72			20	1	29	C	30	1	20		0.90			POWERED FURN RM 0762C, 0741A
POWERED FURN RM 0762C		0.72			20	1	31	A	**32**	**1**	**20**		**0.36**			**RECEPTS RM 0777**
POWERED FURN RM 0762C		0.54			20	1	33	B	34	1	20		1.44			LIQUIDATOR
POWERED FURN RM 0762C		0.54			20	1	35	C	36	1	20		1.44			LIQUIDATOR
POWERED FURN RM 0762C		0.54			20	1	37	A	38	1	20		1.44			RECEPT RM 0753
DAVIS TOWER CAFÉ CRTYRD GFCI		0.36			20	1	39	B	40	1	20		1.44			RECEPT CORR 0790A
CLOCK				0.50	20	1	41	C	42	1	20		1.44			RECEPT RM 0711F
TOTALS ---------->	0.00	15.77	0.00	0.50								0.00	20.52	0.00	0.00	<-------- TOTALS

ACD-001 · ACD-001

TOTAL CONTINUOUS LOAD @ 125%: 0.00 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 23.14 KVA
TOTAL NONCONTINUOUS LOAD: 0.50 KVA
TOTAL MOTOR LOAD: 0.00 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 1

TOTAL DEMAND LOAD: 23.64 KVA · CONNECTED KVA TOTAL/PHASE: A 13.25 · B 11.16 · C 12.38 · MINIMUM FEEDER CAPACITY 23.64 KVA 65.63 AMP

(E) PANEL NGHA1

SECTION: 1 OF 1 · SERVING: NORMAL · LOCATION: ELEC. RM 0714 · PANEL A.I.C.: 22,000 · MOUNTING: X SURFACE · BUS RATING: 225 AMP · MAIN BREAKER: · X MAIN LUGS ONLY · THREE PHASE 4-WIRE · VOLTAGE 480Y/277

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	C.B. AMP	C.B. POLE	CKT #	PH	CKT #	C.B. POLE	C.B. AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
LIGHTING SE 0744	4.19				20	1	1	A	**2**	**1**	**20**	**4.14**				**LIGHTING PHARMACY 0762**
LIGHTING NE 0763	3.80				20	1	3	B	4	1	20	1.43				0714, 0762G, 0762H
SPARE					20	1	5	C	**6**	**1**	**20**	**2.90**				**LIGHTING PHARM WORK 0715, 075**
-			2.16		-	-	7	A	8	1	20	1.22				LIGHTING 0720, 0700B CC#30
ACU 4C			2.16		20	3	9	B	10	1	20	0.61				LIGHTING 0720, 0700B CC#30
-			2.16		-	-	11	C	12	1	20	1.00				EXT. SW. GEAR
-			2.16		-	-	13	A	14	1	20	1.00				L.C.P. POWER
ACU 5C			2.16		20	3	15	B	16	1	20					SPARE
-			2.16		-	-	17	C	18	1	20					SPARE
SPARE					20	1	19	A	20	1	20					SPARE
SPARE					20	1	21	B	22	1	20					SPARE
SPARE					20	1	23	C	24	1	20					SPARE
SPARE					20	1	25	A	26	1	20					SPARE
SPARE					20	1	27	B	28	1	20					SPARE
SPARE					20	1	29	C	30	1	20					SPARE
SPACE							31	A	32	-	-	0.00	14.15	0.00	0.00	-
SPACE							33	B	34	1	100	0.00	11.34	0.00	0.00	TRANSFORMER "T-NGA2"
SPACE							35	C	36	-	-	0.00	11.52	0.00	0.50	-
-	1.50	7.20	0.00	0.40	-	-	37	A	38	1						SPACE
TRANSFORMER "T-NGA1"	1.00	9.72	0.00	4.50	100	3	39	B	40	1						SPACE
-	0.00	10.40	0.00	2.50	-	-	41	C	42	1						SPACE
TOTALS ---------->	10.49	27.32	12.96	7.40								12.31	37.01	0.00	0.50	<-------- TOTALS

ACD-001 · ACD-001

TOTAL CONTINUOUS LOAD @ 125%: 28.49 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10,000VA, & 50% FOR REMAINDER: 37.16 KVA
TOTAL NONCONTINUOUS LOAD: 7.90 KVA
TOTAL MOTOR LOAD: 12.96 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 1

TOTAL DEMAND LOAD: 86.51 KVA · CONNECTED KVA TOTAL/PHASE: A 38.12 · B 36.72 · C 33.14 · MINIMUM FEEDER CAPACITY 86.51 KVA 104.06 AMP

PHASE 1

PANEL NUMBERED NOTES

(1) CONNECT TO (E) 20A/1P SPARE CIRCUIT BREAKER.

(2) PROVIDE GE TYPE QOB, 1-POLE, BRANCH CIRCUIT BREAKER.

PANEL SCHEDULE NOTES

1. ALL CIRCUITS INDICATED "LIGHT" ON PANEL SCHEDULES ARE EXISTING TO REMAIN AND HAVE NOT BEEN MODIFIED AS PART OF THIS PROJECT.
2. ALL CIRCUITS INDICATED "BOLD" ON PANEL SCHEDULES HAVE BEEN MODIFIED, ALTERED, OR ADDED AS PART OF THIS PROJECT.
3. PROVIDE UPDATED 'TYPEWRITTEN' PANEL INDEX. PANEL INDEX SHALL INCLUDE DATE APPLIED AND ALSO WHERE THE PANEL IS FED FROM.
4. PROVIDE BLANK COVER PLATES OVER ANY EXPOSED CIRCUIT BREAKER SPACE THAT IS EXPOSED.
5. UPON OPENING EXISTING PANELS, TURN ANY CIRCUIT BREAKERS WITH NO CONDUCTORS OR NOT CONNECTED TO A LOAD INTO THE "OFF" POSITION AND UPDATE PANEL SCHEDULE.

PANEL SCHEDULE INDEX

EQGLRA1 PHASE 1	CGLA1 PHASE 1	NGLA1 PHASE 1
CGHDD1 PHASE 1	CGLA2 PHASE 1	NGLA3 PHASE 1
LGHB1 PHASE 1	CGLB1 PHASE 1	NGHA1 PHASE 1
NGHB1 PHASE 1		

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER · GORDON PAK KEI WONG · No. E 018416 · ELECTRICAL · STATE OF CALIFORNIA · 08/25/2025

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95317
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
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530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:
EDGE ELECTRICAL CONSULTING
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025
ACD001A	SCOPE REDUCTION BACKCHECK 1	8/25/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAi No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: PANEL SCHEDULES - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	E5.02
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

(E) PANEL EQGLRD1

SECTION 1 OF 1									BUS RATING: 100 AMP					THREE PHASE	VOLTAGE				
SERVING EQUIPMENT									X MAIN BREAKER: 100 AMP					4-WIRE	208Y/120				
LOCATION: RM 0709			MOUNTING:		FLUSH				MAIN LUGS ONLY										
PANEL A.I.C. 10,000				X	SURFACE				FED-THRU LUGS										
LOAD DESCRIPTION	KVA LOAD				C. B.		CKT	PH	CKT	C. B.		KVA LOAD				LOAD DESCRIPTION			
	CONT.	RECP.	MOTOR	NON	AMP	POLE	#		#	POLE	AMP	CONT.	RECP.	MOTOR	NON				
TVSS				0.16	15	1	1	A	2	1	20				0.19	S. ELEV. G TO 5TH CAMERA (E)			
TVSS				0.05	15	1	3	B	4	1	20				0.34	S. ELEV. G TO 5TH CARD READER (E)			
TVSS				0.14	15	1	5	C	6	1	20				1.02	S. ELEV. G TO 5TH CARD READER (W)			
N. STAIR G TO 5TH CAMERA				0.12	20	1	7	A	8	1	20				0.10	S. ELEV. G TO 5TH CAMERA (W)			
ROOM 1708 CARDREADER				0.20	20	1	9	B	10	1	20				0.10	C. ELEV. G TO 5TH CAMERA			
N. STAIR G TO 5TH CARD READ				0.20	20	1	11	C	12	1	20				0.18	C. ELEV. G TO 5TH CARD READER			
DOCK CARD READERS				0.40	20	1	13	A	**14**	**1**	**20**					**SPARE**			
1ST FLR EGRESS	1.00				20	1	15	B	16	1	20				0.06	FIRST FLOOR CARD READER			
RECEPTS 0741A		0.54			20	1	17	C	18	1	20				0.40	CONSOLE EQUIPMENT RM 0714A			
RECEPTS 0741A		0.90			20	1	19	A	20	1	20				0.40	CONSOLE EQUIPMENT RM 0714A			
RECEPTS 0741A		0.54			20	1	21	B	22	1	20				0.40	CONSOLE EQUIPMENT RM 0714A			
SPARE					20	1	23	C	24	1	20		1.00			SPARE (ON)			
SPARE					20	1	25	A	26	2	20			2.08		CAROUSEL PHARMACY RM 0762			
CAMERA L. DOCK				0.14	20	1	27	B	28	-	-			2.08					
SPARE					20	1	29	C	30	2	20			2.08		CAROUSEL PHARMACY RM 0762			
GROUND FL CR				0.14	20	1	31	A	32	-	-			2.08					
GROUND FL CAMERA				0.12	20	1	33	B	34	2	20			2.08		CAROUSEL PHARMACY RM 0762			
N. STAIR G 5TH CR				0.14	20	1	35	C	36	-	-			2.08					
SPARE					20	1	37	A	38	-	-								
SPARE					20	1	39	B	40	3	60					SPARE			
SPARE					20	1	41	C	42	-	-								
TOTALS ---------->	1.00	1.98	0.00	1.81								0.00	1.00	12.48	3.19	<-------- TOTALS			

TOTAL CONTINUOUS LOAD @ 125%:	1.25 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:	2.98 KVA
TOTAL NONCONTINUOUS LOAD:	5.00 KVA
TOTAL MOTOR LOAD:	12.48 KVA
LARGEST MOTOR @ 25%: 0 KVA	0.00 KVA

PHASE 1

TOTAL DEMAND LOAD: 21.71 KVA	CONNECTED KVA TOTAL/PHASE	A	B	C	MINIMUM FEEDER CAPACITY 21.71 KVA	60.26 AMP
		6.57	7.11	7.78		

(E) PANEL NGLB1

SECTION 1 OF 1									BUS RATING: 225 AMP					THREE PHASE	VOLTAGE				
SERVING NORMAL									MAIN BREAKER:					4-WIRE	208Y/120				
LOCATION: ELEC RM 0763B			MOUNTING:		FLUSH				X MAIN LUGS ONLY										
PANEL A.I.C. 10,000				X	SURFACE				FED-THRU LUGS										
LOAD DESCRIPTION	KVA LOAD				C. B.		CKT	PH	CKT	C. B.		KVA LOAD				LOAD DESCRIPTION			
	CONT.	RECP.	MOTOR	NON	AMP	POLE	#		#	POLE	AMP	CONT.	RECP.	MOTOR	NON				
RECEPTS 0761, 0770		1.08			20	1	1	A	2	1	20		0.30			RECEPTS RM 0771			
RECEPTS 0771, 0800		1.08			20	1	3	B	4	1	20		0.30			RECEPTS RM 0771			
RECEPTS 0772, 0767B		0.90			20	1	5	C	6	1	20		0.54			RECEPTS RM 0771			
RECEPTS 0767B, 0767		0.90			20	1	7	A	8	2	40				2.95	DRYER RM 0771A			
RECEPTS 0767		0.90			20	1	9	B	10	-	-				2.95				
RECEPTS 0767		0.72			20	1	11	C	12	1	20		1.26			RECEPTS RM 0771A			
RECEPTS 0767A		1.08			20	1	13	A	14	1	20		1.80			PLUG MOLD 0767A			
RECEPTS 0769		1.48			20	1	15	B	16	1	20		1.80			PLUG MOLD 0767A			
RECEPTS 0769		0.70			20	1	17	C	18	1	20		0.90			RECEPT RM 0788D			
POWERED FURN RM 0788		0.90			20	1	19	A	20	2	40		3.33			RECEPT RM 0761			
POWERED FURN RM 0788		0.90			20	1	21	B	22	-	-		3.33			RECEPT RM 0761			
POWERED FURN RM 0788		0.90			20	1	23	C	24	1	20		1.28			RECEPTS RM 0788B			
COPIER RM 0769		1.73			20	1	25	A	26	1	20		1.26			RECEPTS RM 0788B, 0788C			
RECEPT RM 0761		1.44			20	1	27	B	28	1	20		0.54			RECEPTS RM 0788J, 0788K			
RECEPT RM 0767		0.90			20	1	29	C	30	1	15		0.36			DAMPER POWER RM 0771A			
LTG RM 0769, 0788B, 0788C	**0.14**				**20**	**1**	**31**	A	32	1	20				1.20	EWC RM 0785			
DISPOSAL				1.70	20	1	33	B	34	1	20		0.72			RECEPT RM 0785A, 0786, 078			
RECEPTS - CORR 0760A		0.90			20	1	35	C	36	1	20		1.08			RECEPTS CORR 0760 B			
PLUG MOLD 0767A		1.80			20	1	37	A	38	1	20		1.65			COPIER RM 0788D			
PLUG MOLD 0767A		1.80			20	1	39	B	40	1	20		1.00			MICROWAVE RM 0788C			
PLUG MOLD 0767A		1.80			20	1	41	C	42	1	20		1.80			PLUG MOLD 0767A			
TOTALS ---------->	0.14	21.91	0.00	1.70								0.00	23.25	0.00	7.10	<-------- TOTALS			

TOTAL CONTINUOUS LOAD @ 125%:	0.18 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:	27.58 KVA
TOTAL NONCONTINUOUS LOAD:	8.80 KVA
TOTAL MOTOR LOAD:	0.00 KVA
LARGEST MOTOR @ 25%: 0 KVA	0.00 KVA

PHASE 1

TOTAL DEMAND LOAD: 36.55 KVA	CONNECTED KVA TOTAL/PHASE	A	B	C	MINIMUM FEEDER CAPACITY 36.55 KVA	101.46 AMP
		20.12	19.94	14.04		

ADD 1 3

PHASE 1

PANEL SCHEDULE NOTES

1. ALL CIRCUITS INDICATED "LIGHT" ON PANEL SCHEDULES ARE EXISTING TO REMAIN AND HAVE NOT BEEN MODIFIED AS PART OF THIS PROJECT.
2. ALL CIRCUITS INDICATED "BOLD" ON PANEL SCHEDULES HAVE BEEN MODIFIED, ALTERED, OR ADDED AS PART OF THIS PROJECT.
3. PROVIDE UPDATED 'TYPEWRITTEN' PANEL INDEX. PANEL INDEX SHALL INCLUDE DATE APPLIED AND ALSO WHERE THE PANEL IS FED FROM.
4. PROVIDE BLANK COVER PLATES OVER ANY EXPOSED CIRCUIT BREAKER SPACE THAT IS EXPOSED.
5. UPON OPENING EXISTING PANELS, TURN ANY CIRCUIT BREAKERS WITH NO CONDUCTORS OR NOT CONNECTED TO A LOAD INTO THE "OFF" POSITION AND UPDATE PANEL SCHEDULE.

PANEL SCHEDULE INDEX

-	-	EQGLRD1 PHASE 1
-	-	NGLB1 PHASE 1
-	-	

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

07/03/2025

UCDAVIS HEALTH
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4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:
EDGE ELECTRICAL ENGINEERING
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: PANEL SCHEDULES - PHASE 1

ADD 1 3

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	**E5.03**
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" (0, 5', 50') · 1/8" = 1'-0" (0, 5', 25') · 1/4" = 1'-0" (0, 1', 12') · 1/2" = 1'-0" (0, 1', 6') · 3/4" = 1'-0" (0, 4') · 1" = 1'-0" (0, 1', 3') · 1 1/2" = 1'-0" (0, 2') · 3" = 1'-0" (0, 1')

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

(E) PANEL CGHDD1

SECTION: 1 OF 1	SERVING: CRITICAL	LOCATION: ELEC. RM 0812A	PANEL A.I.C.: 42,000
MOUNTING: X SURFACE	BUS RATING: 800 AMP	MAIN BREAKER:	X MAIN LUGS ONLY
FED-THRU LUGS	THREE PHASE 4-WIRE	VOLTAGE 480Y/277	

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	AMP	POLE	CKT #	PH	CKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
-				35.38	-	-	-	A	-	-	-					-
C2HDA1				35.38	600	3	1	B	2	3						SPACE
-				35.38	-	-	-	C	-	-	-					-
-					-	-	-	A	-	-	-					-
SPACE						3	3	B	4	3						SPACE
-					-	-	-	C	-	-	-					-
-					-	-	-	A	-	-	-					-
SPACE						3	5	B	6	3						SPACE
-					-	-	-	C	-	-	-					-
-	0.00	29.64	0.00	0.00	-	-	-	A	-	-	-					-
T-CGA1	0.00	33.60	0.00	0.00	100	3	7	B	8	3	100					SPARE
-	0.00	36.74	0.00	0.40	-	-	-	C	-	-	-					-
-					-	-	-	A	-	-	-					-
SPARE					100	3	9	B	10	3						SPACE
-					-	-	-	C	-	-	-					-
LTG RM 0762, 0785C	**1.70**				**20**	**1**	**11**	A	-	-	-					-
LTG RM 0711, 0808	1.25				20	1	13	B	12	3	50					SPARE
LTG RM 0709	0.51				20	1	15	C	-	-	-					-
TOTALS ---------->	3.46	99.98	0.00	106.55								0.00	0.00	0.00	0.00	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 4.33 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10,000VA, & 50% FOR REMAINDER: 54.99 KVA
TOTAL NONCONTINUOUS LOAD: 106.55 KVA
TOTAL MOTOR LOAD: 0.00 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 2

TOTAL DEMAND LOAD: 165.86 KVA | CONNECTED KVA TOTAL/PHASE: A 66.72, B 70.24, C 73.03 | MINIMUM FEEDER CAPACITY 165.86 KVA 199.50 AMP

(E) PANEL LGHB1

SECTION: 1 OF 1	SERVING: LIFE SAFETY	LOCATION: ELEC. RM 0736B	PANEL A.I.C.: 22,000
MOUNTING: X SURFACE	BUS RATING: 100 AMP	MAIN BREAKER:	X MAIN LUGS ONLY
FED-THRU LUGS	THREE PHASE 4-WIRE	VOLTAGE 480Y/277	

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	AMP	POLE	CKT #	PH	CKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
EGRESS LIGHTING GROUND	**2.45**				**20**	**1**	**1**	A	2	1	20	1.91				EGRESS GROUND LINK
EXITS GROUND	0.25				20	1	3	B	4	1	20	0.15				EXITS GROUND LINK
EGRESS LIGHTING GROUND	3.16				20	1	5	C	6	1	20	2.00				SOUTH STAIR LIGHTING G-9
EXITS GROUND	0.20				20	1	7	A	8	1	20	1.98				NORTH STAIR LIGHTING G-9
SPARE					20	1	9	B	10	1	20	1.40				CENTER ELEVATOR LOBBY G-9
SPARE					20	1	11	C	12	1	20					SPARE
SPARE					20	1	13	A	14	1	20					SPARE
SPARE					20	1	15	B	16	1	20					SPARE
SPARE					20	1	17	C	18	1	20					SPARE
SPARE					20	1	19	A	20	1	20					SPARE
SPARE					20	1	21	B	22	1	20					SPARE
SPARE					20	1	23	C	24	1	20	1.00				ACU 4E ROOM 711E
SPACE							25	A	26							SPACE
SPACE							27	B	28							SPACE
SPACE							29	C	30							SPACE
SPACE							31	A	32							SPACE
SPACE							33	B	34							SPACE
SPACE							35	C	36							SPACE
SPACE							37	A	38							SPACE
SPACE							39	B	40							SPACE
SPACE							41	C	42							SPACE
TOTALS ---------->	6.06	0.00	0.00	0.00								8.44	0.00	0.00	0.00	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 18.13 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10,000VA, & 50% FOR REMAINDER: 0.00 KVA
TOTAL NONCONTINUOUS LOAD: 0.00 KVA
TOTAL MOTOR LOAD: 0.00 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 2

TOTAL DEMAND LOAD: 18.13 KVA | CONNECTED KVA TOTAL/PHASE: A 6.54, B 1.80, C 6.16 | MINIMUM FEEDER CAPACITY 18.13 KVA 21.80 AMP

(E) PANEL NGHB1

SECTION: 1 OF 1	SERVING: NORMAL	LOCATION: ELEC. RM 0763B	PANEL A.I.C.: 10,000
MOUNTING: X SURFACE	BUS RATING: 225 AMP	MAIN BREAKER:	X MAIN LUGS ONLY
FED-THRU LUGS	THREE PHASE 4-WIRE	VOLTAGE 480Y/277	

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	AMP	POLE	CKT #	PH	CKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
LIGHTING PATIENT ELEV 0730	1.70				20	1	1	A	2	1	20	2.93				LIGHTING 767
SPARE CC#30					20	1	3	B	4	1	20	1.95				LIGHTING ELECTRIC ROOMS
SPARE CC#30					20	1	5	C	6	1	20	2.74				LIGHTING 769
SPARE					20	1	7	A	8	1	20	4.05				LIGHTING LINEN 0771
LIGHTING 710A	0.60				20	1	9	B	10	1	20	4.15				LTG WEST 791, 792, 792A, 802, 803
LIGHTING 710B	0.60				20	1	11	C	12	1	20					SPARE
LIGHTING 740	0.80				20	1	13	A	14	1	20					LIGHTING EXTERIOR (OFF)
LIGHTING 715	**0.30**				**20**	**1**	**15**	B	16	1	20					SPARE (DELETE SO. SIDE LTS) (OFF)
LIGHTING 760A	0.50				20	1	17	C	18	1	20					CENTER ELEV LIGHTING 0765 (ON)
LIGHTING 770	0.40				20	1	19	A	20	1	20					L.C.P. POWER (ON)
LIGHTING 760B	0.50				20	1	21	B	22	-	-				1.92	-
LIGHTING 750	0.24				20	1	23	C	24	3	20				1.92	ACU 4E ROOM 711E
LIGHTING 800A	0.40				20	1	25	A	26	-	-				1.92	-
LIGHTING 790B	0.30				20	1	27	B	28	-	-				1.92	-
LIGHTING 780	0.40				20	1	29	C	30	3	20				1.92	ACU 5E ROOM 701
SPARE					20	1	31	A	32	-	-				1.92	-
LIGHTING 781A	0.60				20	1	33	B	34	1	20					SPARE
SPARE					20	1	35	C	36	1	20					SPARE
SPARE					20	1	37	A	38	-	-				19.22	-
LIGHTING 700C	0.20				20	1	39	B	40	3	100				19.22	TRANSFORMER "T-NGB1"
LIGHTING 800B	0.50				20	1	41	C	42	-	-				19.22	-
TOTALS ---------->	8.04	0.00	0.00	0.00								15.81	0.00	0.00	69.17	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 29.82 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10,000VA, & 50% FOR REMAINDER: 0.00 KVA
TOTAL NONCONTINUOUS LOAD: 69.17 KVA
TOTAL MOTOR LOAD: 0.00 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 2

TOTAL DEMAND LOAD: 99.00 KVA | CONNECTED KVA TOTAL/PHASE: A 33.33, B 31.66, C 28.04 | MINIMUM FEEDER CAPACITY 99.00 KVA 119.07 AMP

(E) PANEL EQGLRD1

SECTION 1 OF 1	SERVING EQUIPMENT	LOCATION: RM 0709	PANEL A.I.C.: 10,000
MOUNTING: X SURFACE	BUS RATING: 100 AMP	X MAIN BREAKER: 100 AMP	MAIN LUGS ONLY
FED-THRU LUGS	THREE PHASE 4-WIRE	VOLTAGE 208Y/120	

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	AMP	POLE	CKT #	PH	CKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
TVSS				0.16	15	1	1	A	2	1	20				0.19	S. ELEV. G TO 5TH CAMERA (E)
TVSS				0.05	15	1	3	B	4	1	20				0.34	S. ELEV. G TO 5TH CARD READER (E)
TVSS				0.14	15	1	5	C	6	1	20				1.02	S. ELEV. G TO 5TH CARD READER (W)
N. STAIR G TO 5TH CAMERA				0.12	20	1	7	A	8	1	20				0.10	S. ELEV. G TO 5TH CAMERA (W)
ROOM 1708 CARDREADER				0.20	20	1	9	B	10	1	20				0.10	C. ELEV. G TO 5TH CAMERA
N. STAIR G TO 5TH CARD READ				0.20	20	1	11	C	12	1	20				0.18	C. ELEV. G TO 5TH CARD READER
DOCK CARD READERS				0.40	20	1	13	A	14	1	20					SPARE
1ST FLR EGRESS	1.00				20	1	15	B	16	1	20				0.06	FIRST FLOOR CARD READER
RECEPTS 0741A		0.54			20	1	17	C	18	1	20				0.40	CONSOLE EQUIPMENT RM 0714A
RECEPTS 0741A		0.90			20	1	19	A	20	1	20				0.40	CONSOLE EQUIPMENT RM 0714A
RECEPTS 0741A		0.54			20	1	21	B	22	1	20				0.40	CONSOLE EQUIPMENT RM 0714A
SPARE					20	1	23	C	24	1	20		1.00			SPARE (ON)
SPARE					20	1	25	A	26	2	20			2.08		CAROUSEL RM 0762
CAMERA L. DOCK				0.14	20	1	27	B	28	-	-			2.08		
SPARE					20	1	29	C	30	2	20			2.08		CAROUSEL RM 0762
GROUND FL CR				0.14	20	1	31	A	32	-	-			2.08		
GROUND FL CAMERA				0.12	20	1	33	B	**34**	**2**	**20**			**2.08**		**CAROUSEL PHARMACY RM 0762**
N. STAIR G 5TH CR				0.14	20	1	35	C	**36**	**-**	**-**			**2.08**		
SPARE					20	1	37	A	38	-	-					
SPARE					20	1	39	B	40	3	60					SPARE
SPARE					20	1	41	C	42	-	-					
TOTALS ---------->	1.00	1.98	0.00	1.81								0.00	1.00	12.48	3.19	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 1.25 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 2.98 KVA
TOTAL NONCONTINUOUS LOAD: 5.00 KVA
TOTAL MOTOR LOAD: 12.48 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 2

TOTAL DEMAND LOAD: 21.71 KVA | CONNECTED KVA TOTAL/PHASE: A 6.57, B 7.11, C 7.78 | MINIMUM FEEDER CAPACITY 21.71 KVA 60.26 AMP

(E) PANEL CGLA1

SECTION 1 OF 1	SERVING CRITICAL	LOCATION: ELEC. RM 0714	PANEL A.I.C.: 10,000
MOUNTING: X SURFACE	BUS RATING: 225 AMP	X MAIN BREAKER: 225 AMP	MAIN LUGS ONLY
FED-THRU LUGS	THREE PHASE 4-WIRE	VOLTAGE 208Y/120	

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	AMP	POLE	CKT #	PH	CKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
-	0.00	10.12	1.00	1.60	-	-	1	A	2	1	20		0.74			REFRIG RM 0762 ITEM 072
PANEL CGLA2	0.00	11.28	0.38	0.00	100	3	3	B	4	1	20		0.90			RACK RM 0785C
-	0.00	14.34	0.00	2.18	-	-	5	C	6	1	20					SPARE
SPARE					20	1	7	A	8	2	15		0.26			REFRIG RM 0762 208V
CUBIX RM 0715A				1.80	20	1	9	B	10	-	-		0.26			-
CUBIX RM 0715A				1.11	20	1	11	C	12	1	20		1.44			REFRIG RM 0762 120V
SPARE					20	1	13	A	14	2	15		0.26			REFRIG RM 0762 208V
REFRIG 0762 ITEM 130		1.20			20	1	15	B	16	-	-		0.26			-
REFRIG 0762 ITEM 130		1.20			20	1	17	C	18	1	20		1.08			LIONVILLE CASEWRK RM 0709
REFRIG 0762 ITEM 130		1.20			20	1	19	A	20	1	20		0.54			RECPTS RM 0762H
REFRIG 0762 ITEM 806		1.20			20	1	21	B	22	1	20		0.72			RECPTS RM 0785C
REFRIG 0762 ITEM 70		1.18			20	1	23	C	24	1	20		0.72			RECPTS RM 0785C
REFRIG 0762 ITEM 70		1.18			20	1	25	A	26	1	20		0.72			RECPTS RM 0785C
RECEPT RM 0793		1.08			20	1	27	B	28	1	20		1.08			RECPTS RM 0793
RECPT RM 0793		1.08			20	1	29	C	30	1	20		1.08			RECPTS RM 0793
RECPT RM 0793		1.08			20	1	31	A	32	1	20		0.90			RACKS RM 0793
REFRIG RM 0711D		1.26			20	1	33	B	34	1	20		1.44			RECPTS RM 0703
INCUBATOR RM 0711D				0.40	20	1	35	C	36	1	20		1.44			RECPTS RM 0709
SPARE					**20**	**1**	**37**	A	**38**	**1**	**20**		**0.90**			**SPARE**
SPARE					**20**	**1**	**39**	B	40	1	20		1.44			METASYS 0762
RECEPT CAROUSEL RM 0762		**1.08**			**20**	**1**	**41**	C	42	1	20		1.08			WORKSTATION RM 0762
TOTALS ---------->	0.00	48.48	1.38	7.09								0.00	17.26	0.00	0.00	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 0.00 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 37.87 KVA
TOTAL NONCONTINUOUS LOAD: 7.09 KVA
TOTAL MOTOR LOAD: 1.38 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 2

TOTAL DEMAND LOAD: 46.34 KVA | CONNECTED KVA TOTAL/PHASE: A 20.50, B 24.30, C 29.41 | MINIMUM FEEDER CAPACITY 46.34 KVA 128.62 AMP

(E) PANEL CGLA2

SECTION 1 OF 1	SERVING CRITICAL	LOCATION: ELEC. RM 0714	PANEL A.I.C.: 10,000
MOUNTING: X SURFACE	BUS RATING: 100 AMP	MAIN BREAKER:	X MAIN LUGS ONLY
FED-THRU LUGS	THREE PHASE 4-WIRE	VOLTAGE 208Y/120	

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	AMP	POLE	CKT #	PH	CKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
-		1.50			-	-	1	A	2	-	-		1.50			-
RACK PWR STRP RM 0793		1.50			30	3	3	B	4	3	30		1.50			RACK PWR STRP 0785C
-		1.50			-	-	5	C	6	-	-		1.50			-
FC-1 RM 0795			0.50		20	1	7	A	8	1	20			0.50		FC-2 RM 0785C
REC RM 0711D		0.18			20	1	9	B	10	1	20			0.38		AUTO DOOR RM 0711A
SECURITY MONITOR 0776		0.18			20	1	11	C	12	1	20				0.50	REF RM 0711B
LEECH REF RM 0762				0.50	20	1	13	A	14	1	20		1.00			PYXIS RM 0711B
LIONVILLE CASEWORK		0.72			20	1	15	B	16	1	20		0.72			REC RM 0762H
SECURITY PANEL CORR 0715				1.68	20	1	17	C	18	2	60		4.50			CATV RCK UPS RM 0701
SECURITY POWER SUPPLY 0715		0.18			20	1	19	A	20	-	-		4.50			-
INFUSION RM 0791		0.72			20	1	21	B	22	2	60		4.50			CATV RCK UPS RM 0701
INFUSION RM 0792		0.72			20	1	23	C	24	-	-		4.50			-
INFUSION RM 0793		0.72			20	1	25	A	**26**	**1**	**20**				**0.45**	**SENSOR RESTRM 0784 & 0786**
INFUSION RM 0794		0.72			20	1	27	B	28							SPACE
INFUSION RM 0795		0.72			20	1	29	C	30							SPACE
INFUSION RM 0796		0.72			20	1	31	A	32							SPACE
INFUSION RM 0797		0.72			20	1	33	B	34							SPACE
INFUSION RM 0798		0.72			20	1	35	C	36							SPACE
SPACE							37	A	38							SPACE
SPACE							39	B	40							SPACE
SPACE							41	C	42							SPACE
TOTALS ---------->	0.00	11.52	0.50	2.18								0.00	24.22	0.88	0.95	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 0.00 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 22.87 KVA
TOTAL NONCONTINUOUS LOAD: 3.13 KVA
TOTAL MOTOR LOAD: 1.38 KVA
LARGEST MOTOR @ 25%: 0.5 KVA 0.13 KVA

PHASE 2

TOTAL DEMAND LOAD: 27.51 KVA | CONNECTED KVA TOTAL/PHASE: A 12.07, B 11.66, C 16.52 | MINIMUM FEEDER CAPACITY 27.51 KVA 76.35 AMP

(E) PANEL CGLB1

SECTION 1 OF 1	SERVING CRITICAL	LOCATION: ELEC RM 0763B	PANEL A.I.C.: 10,000
MOUNTING: X SURFACE	BUS RATING: 225 AMP	X MAIN BREAKER: 225 AMP	MAIN LUGS ONLY
FED-THRU LUGS	THREE PHASE 4-WIRE	VOLTAGE 208Y/120	

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	AMP	POLE	CKT #	PH	CKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
ULTRALOW			1.14		20	2	1	A	2	2	20			1.14		FREEZER RM 0761
-			1.14		-	-	3	B	4	-	-			1.14		-
SPARE					20	2	5	C	6	2	20					SPARE
-					-	-	7	A	8	-	-					-
REFRIGERATOR RM 0761			0.34		20	1	9	B	10	1	20			1.00		FREEZER RM 0761
COVID REFRIGERATOR			0.34		20	1	11	C	12	1	20			1.00		FREEZER RM 0761
COVID FREEZER			0.34		20	1	13	A	14	1	20			1.00		FREEZER RM 0761
RECEPTACLE RM 0761		0.18			20	1	15	B	16	1	20			1.00		FREEZER RM 0761
DOOR POWER SUPPLY, ROOM 0761				0.42	20	1	17	C	18	1	20			0.34		REFRIG HAZAROUS HOLDING 0778
REFRIG NON-STERILE RM 0711A				1.80	20	1	19	A	20	1	20			0.34		REFRIG HAZAROUS HOLDING 0778
HOOD NON-STERILE RM 0711A				1.11	20	1	21	B	22	1	20					SPARE
SINK SENSOR RM 0711A, 0779				0.15	20	1	23	C	24	1	20					SPARE
PYXIS RM 0762		**0.36**			**20**	**1**	**25**	A	26	1	20					SPARE
MEDICATION DISPENSER 0762		**0.36**			**20**	**1**	**27**	B	28	1	20					SPARE
UC REFRIG. 0762		**0.49**			**20**	**1**	**29**	C	30	1	20					SPARE
UC REFRIG. 0762		**0.49**			**20**	**1**	**31**	A	32	1	20					SPARE
PYXIS NON-STERILE RM 0711A		0.36			20	1	33	B	34	1	20					SPARE
REFRIG NON-STERILE RM 0711A				0.37	20	1	35	C	36	1	20					SPARE
-				0.01	-	-	37	A	38	1						SPACE
SURGE PROTECTION DEVICE				0.01	30	3	39	B	40	1						SPACE
-				0.01	-	-	41	C	42	1						SPACE
TOTALS ---------->	0.00	2.24	3.29	3.88								0.00	0.00	6.96	0.00	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 0.00 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 2.24 KVA
TOTAL NONCONTINUOUS LOAD: 3.88 KVA
TOTAL MOTOR LOAD: 10.25 KVA
LARGEST MOTOR @ 25%: 1.14 KVA 0.29 KVA

PHASE 2

TOTAL DEMAND LOAD: 16.65 KVA | CONNECTED KVA TOTAL/PHASE: A 6.62, B 6.64, C 3.12 | MINIMUM FEEDER CAPACITY 16.65 KVA 46.22 AMP

(E) PANEL NGLA1

SECTION 1 OF 1	SERVING NORMAL	LOCATION: ELEC. RM 0714	PANEL A.I.C.: 10,000
MOUNTING: X SURFACE	BUS RATING: 225 AMP	X MAIN BREAKER: 225 AMP	MAIN LUGS ONLY
FED-THRU LUGS	THREE PHASE 4-WIRE	VOLTAGE 208Y/120	

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	AMP	POLE	CKT #	PH	CKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
TVSS		1.08			15	1	1	A	2	1	20	1.00				TRACK LTG 741A CC#030
TVSS		1.08			15	1	3	B	4	1	20	1.00				TRACK LTG 741A CC#030
TVSS		1.26			15	1	5	C	6	1	20			1.00		CHLOR GEN MECH RM OP611
RECEPTS RM 0771A		0.54			20	1	7	A	8	1	20					SPARE
SWISSLOG RM 0715				1.00	20	1	9	B	**10**	**1**	**20**		**0.72**			**MODULAR FURN. OFFICE 0711C**
RECEPTS OFFICE 0715A		**0.36**			**20**	**1**	**11**	C	**12**	**1**	**20**		**0.72**			**MODULAR FURN. OFFICE 0711C**
RECEPTS RM 0776		0.72			20	1	13	A	**14**	**1**	**20**		**0.72**			**MODULAR FURN. OFFICE 0711C**
RECEPTS RM 0776		0.54			20	1	15	B	16	1	20		1.08			RECEPTS 0762B
RECEPTS RM 0776		0.72			20	1	17	C	18	1	20		0.54			RECEPTS RM 0762C & 0776
POWERED FURNITURE RM 0762C		0.54			20	1	19	A	20	1	20					SPARE
MODULAR FURN. OFFICE 0715A		**0.54**			**20**	**1**	**21**	B	22	1	20		1.26			RECEPTS 0741, 0744
MODULAR FURN. OFFICE 0715A		**0.54**			**20**	**1**	**23**	C	24	1	20		0.90			RECEPTS 0744
HOT WATER CONTROLS				0.40	20	1	25	A	26	1	20		1.44			RECEPTS 0782
ROOM 0762 PLUGSTRIP		1.08			20	1	27	B	28	1	20		0.72			RECEPTS RM 0776A
CHLOR GEN MECH 0744			1.00		20	1	29	C	30	1	20		0.54			RECEPTS 0711B
SPARE					20	1	31	A	**32**	**1**	**20**		**0.54**			**RECEPTS OFFICE 0711C**
RECEPTS RM 0711A		1.08			20	1	33	B	34	1	20		0.36			RECEPTS RM 0711A
UC LIGHT RM 0711A	0.05				20	1	35	C	36	1	20				1.00	DISHWASHER RM 0711A
TASK LTG 0792A	0.50				20	1	37	A	38	1	20					SPARE
UPS RM 0793				2.50	30	2	39	B	40	1	20					SPARE
-				2.50	-	-	41	C	42	1	20					SPARE
TOTALS ---------->	0.55	10.08	1.00	6.40								2.00	9.54	1.00	1.00	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 3.19 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 14.81 KVA
TOTAL NONCONTINUOUS LOAD: 7.40 KVA
TOTAL MOTOR LOAD: 2.00 KVA
LARGEST MOTOR @ 25%: 1 KVA 0.25 KVA

PHASE 2

TOTAL DEMAND LOAD: 27.65 KVA | CONNECTED KVA TOTAL/PHASE: A 7.48, B 12.96, C 11.13 | MINIMUM FEEDER CAPACITY 27.65 KVA 76.74 AMP

(E) PANEL NGLA3

SECTION 1 OF 1	SERVING NORMAL	LOCATION: ELEC RM 0714	PANEL A.I.C.: 10,000
MOUNTING: X SURFACE	BUS RATING: 225 AMP	X MAIN BREAKER: 225 AMP	MAIN LUGS ONLY
FED-THRU LUGS	THREE PHASE 4-WIRE	VOLTAGE 208Y/120	

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	AMP	POLE	CKT #	PH	CKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
TVSS		0.72			15	1	1	A	**2**	**1**	**20**		**0.72**			**RECEPT RM 0762**
TVSS		0.36			15	1	3	B	**4**	**1**	**20**		**1.08**			**RECEPT RM 0762**
TVSS		1.26			15	1	5	C	6	1	20		0.54			RECEPTS 0766A
LIONVILLE CASEWRK RM 0711F		0.90			20	1	7	A	8	1	20		1.44			RECEPT RM 0711E
RECEP 0711 D. EWC		0.72			20	1	9	B	10	1	20		1.08			RECEPT RM 0711E, 0711D
RECEP 0711F, 0711D		0.72			20	1	11	C	12	1	20		0.36			DAVIS TOWER CAFÉ MECH AREA GFCI
COPIER RM 0762C CC#30 & 469		1.73			20	1	13	A	14	1	20		1.08			RECEPT RM 0701, 0751, 0752
LIQUIDATOR		1.44			20	1	15	B	16	1	20		0.36			DAVIS TOWER CAFÉ CRTYRD GFCI
LIONVILLE CASEWRK RM 0711F		0.72			20	1	17	C	18	1	20		1.08			LIONVILLE CASEWRK RM 0711E
LIONVILLE CASEWRK RM 0711F		0.72			20	1	19	A	20	1	20		1.08			LIONVILLE CASEWRK RM 0711E
LIONVILLE CASEWRK RM 0711F		0.90			20	1	21	B	22	1	20		1.08			RECEPT'S CORR BASEMENT
LIONVILLE CASEWRK RM 0711F		1.08			20	1	23	C	24	1	20		1.08			RECEPT'S CORR BASEMENT
LIONVILLE CASEWRK RM 0711F		1.08			20	1	25	A	26	1	20		1.08			RECEPT'S CORR BASEMENT
SPARE					20	1	27	B	28	1	20		0.54			RECEPTS RM 0777
POWERED FURN RM 0762C		0.72			20	1	29	C	30	1	20		0.90			POWERED FURN RM 0762C, 0741A
POWERED FURN RM 0762C		0.72			20	1	31	A	32	1	20		0.36			RECEPTS RM 0777
POWERED FURN RM 0762C		0.54			20	1	33	B	34	1	20		1.44			LIQUIDATOR
POWERED FURN RM 0762C		0.54			20	1	35	C	36	1	20		1.44			LIQUIDATOR
POWERED FURN RM 0762C		0.54			20	1	37	A	38	1	20		1.44			RECEPT RM 0753
DAVIS TOWER CAFÉ CRTYRD GFCI		0.36			20	1	39	B	40	1	20		1.44			RECEPT CORR 0790A
CLOCK				0.50	20	1	41	C	42	1	20		1.44			RECEPT RM 0711F
TOTALS ---------->	0.00	15.77	0.00	0.50								0.00	21.06	0.00	0.00	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 0.00 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER: 23.41 KVA
TOTAL NONCONTINUOUS LOAD: 0.50 KVA
TOTAL MOTOR LOAD: 0.00 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 2

TOTAL DEMAND LOAD: 23.91 KVA | CONNECTED KVA TOTAL/PHASE: A 13.61, B 11.34, C 12.38 | MINIMUM FEEDER CAPACITY 23.91 KVA 66.37 AMP

(E) PANEL NGHA1

SECTION: 1 OF 1	SERVING: NORMAL	LOCATION: ELEC. RM 0714	PANEL A.I.C.: 22,000
MOUNTING: X SURFACE	BUS RATING: 225 AMP	MAIN BREAKER:	X MAIN LUGS ONLY
FED-THRU LUGS	THREE PHASE 4-WIRE	VOLTAGE 480Y/277	

LOAD DESCRIPTION	CONT.	RECP.	MOTOR	NON	AMP	POLE	CKT #	PH	CKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
LIGHTING SE 0744	**4.19**				**20**	**1**	**1**	A	**2**	**1**	**20**	**4.14**				**LIGHTING PHARMACY 0762**
LIGHTING NE 0763	3.80				20	1	3	B	4	1	20	1.43				0714, 0762G, 0762H
SPARE					20	1	5	C	**6**	**1**	**20**	**2.90**				**LIGHTING PHARM WORK 0715, 075**
-			2.16		-	-	7	A	8	1	20	1.22				LIGHTING 0720, 0700B CC#30
ACU 4C			2.16		20	3	9	B	10	1	20	0.61				LIGHTING 0720, 0700B CC#30
-			2.16		-	-	11	C	12	1	20	1.00				EXT. SW. GEAR
-			2.16		-	-	13	A	14	1	20	1.00				L.C.P. POWER
ACU 5C			2.16		20	3	15	B	16	1	20					SPARE
-			2.16		-	-	17	C	18	1	20					SPARE
SPARE					20	1	19	A	20	1	20					SPARE
SPARE					20	1	21	B	22	1	20					SPARE
SPARE					20	1	23	C	24	1	20					SPARE
SPARE					20	1	25	A	26	1	20					SPARE
SPARE					20	1	27	B	28	1	20					SPARE
SPARE					20	1	29	C	30	1	20					SPARE
SPACE							31	A	32	-	-	0.00	14.15	0.00	0.00	-
SPACE							33	B	34	1	100	0.00	11.34	0.00	0.00	TRANSFORMER "T-NGA2"
SPACE							35	C	36	-	-	0.00	11.52	0.00	0.50	-
-	1.50	7.20	0.00	0.40	-	-	37	A	38	1						SPACE
TRANSFORMER "T-NGA1"	1.00	9.72	0.00	4.50	100	3	39	B	40	1						SPACE
-	0.00	10.40	0.00	2.50	-	-	41	C	42	1						SPACE
TOTALS ---------->	10.49	27.32	12.96	7.40								12.31	37.01	0.00	0.50	<-------- TOTALS

TOTAL CONTINUOUS LOAD @ 125%: 28.49 KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10,000VA, & 50% FOR REMAINDER: 37.16 KVA
TOTAL NONCONTINUOUS LOAD: 7.90 KVA
TOTAL MOTOR LOAD: 12.96 KVA
LARGEST MOTOR @ 25%: 0 KVA 0.00 KVA

PHASE 2

TOTAL DEMAND LOAD: 86.51 KVA | CONNECTED KVA TOTAL/PHASE: A 38.12, B 36.72, C 33.14 | MINIMUM FEEDER CAPACITY 86.51 KVA 104.06 AMP

PHASE 2

ACD-1 3

PANEL NUMBERED NOTES

(1) CONNECT TO EXISTING 20A/1P SPARE CIRCUIT BREAKER.

(2) PROVIDE GE TYPE THQB, 2-POLE, BRANCH CIRCUIT BREAKER.

PANEL SCHEDULE NOTES

1. ALL CIRCUITS INDICATED "LIGHT" ON PANEL SCHEDULES ARE EXISTING TO REMAIN AND HAVE NOT BEEN MODIFIED AS PART OF THIS PROJECT.
2. ALL CIRCUITS INDICATED "BOLD" ON PANEL SCHEDULES HAVE BEEN MODIFIED, ALTERED, OR ADDED AS PART OF THIS PROJECT.
3. PROVIDE UPDATED 'TYPEWRITTEN' PANEL INDEX. PANEL INDEX SHALL INCLUDE DATE APPLIED AND ALSO WHERE THE PANEL IS FED FROM.
4. PROVIDE BLANK COVER PLATES OVER ANY EXPOSED CIRCUIT BREAKER SPACE THAT IS EXPOSED.
5. UPON OPENING EXISTING PANELS, TURN ANY CIRCUIT BREAKERS WITH NO CONDUCTORS OR NOT CONNECTED TO A LOAD INTO THE "OFF" POSITION AND UPDATE PANEL SCHEDULE.

PANEL SCHEDULE INDEX

CGHDD1 PHASE 2	CGLA1 PHASE 2	NGLA1 PHASE 2
LGHB1 PHASE 2	CGLA2 PHASE 2	NGLA3 PHASE 2
NGHB1 PHASE 2	CGLB1 PHASE 2	NGHA1 PHASE 2
EQGLRD1 PHASE 2		

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER · GORDON PAK KEI WONG · No. E 018416 · ELECTRICAL · STATE OF CALIFORNIA
07/03/2025

DESIGN PROFESSIONALS OF RECORD:

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FACILITIES DESIGN & CONSTRUCTION
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SACRAMENTO, CALIFORNIA, 95317
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CONSULTANTS:
EDGE ELECTRICAL CONSULTING
Project Number K018
Contact GORDON
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Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAi No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: PANEL SCHEDULES - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	**E5.04**
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

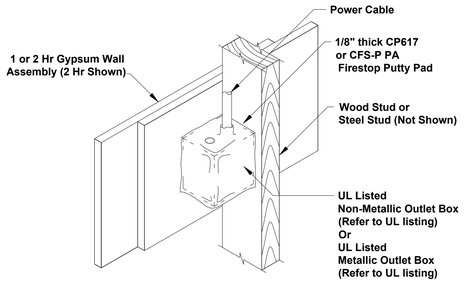
GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

CP617 / CFS-P PA / FIRESTOP BOX INSERT

Wall Opening Protective Materials (CLIV, CLIV7)

Classified by Underwriters Laboratories, Inc. to UL 263 and CAN/ULC-S101



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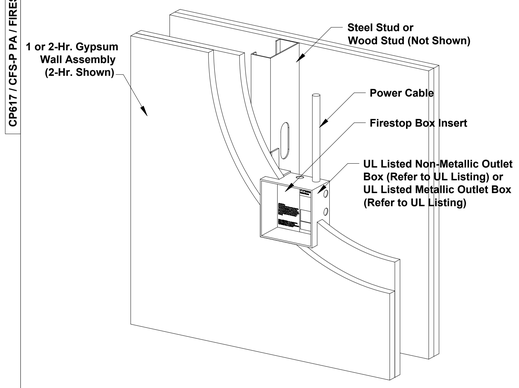
Hilti Firestop Systems

CP617 / CFS-P PA / FIRESTOP BOX INSERT

Wall Opening Protective Materials (CLIV, CLIV7)



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Hilti Firestop Systems

CP617 / CFS-P PA / FIRESTOP BOX INSERT

Wall Opening Protective Materials (CLIV, CLIV7)

CP 617 or CFS-P PA Firestop Putty Pads, for use with flush device UL Listed Metallic Outlet Boxes installed with steel mud rings or UL Listed Nonmetallic Outlet Boxes in framed wall assemblies as specified below. When protective material is used on outlet boxes on both sides of the wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back (unless otherwise indicated). Installation shall comply with the National Electrical Code (NFPA 70). Min 1/8 in. thick (CP 617) or min 0.2 in. (CFS-P PA) thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and conduit fittings/connectors and to completely seal against the stud and gypsum board in the wall cavity unless otherwise noted below. When CFS-P PA is used, the putty pads may be installed with the release liner intact on the outside of the pad with the exception of any overlaps, in which case the liner is to be removed from the bottom layer at the overlap location. The box composition, max device dimensions, hourly rating, type of stud and type of faceplate are specified below.

CP 617 or CFS-P PA Firestop Putty Pads, for use with max 4 by 4 by max 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates in 1 and 2 hr. fire rated gypsum wallboard wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory.

CP 617 or CFS-P PA Firestop Putty Pads, for use with max 4-11/16 by 4-11/16 by max 2-1/8 in., or max 4-3/8 by 4-7/8 by max 2-1/8 in., flush device UL Listed Metallic Outlet Boxes installed with steel cover plates for use in 1 hr fire rated V446 gypsum board/steel stud or U341 gypsum board/wood stud Wall and Partition Design No. in the Fire Resistance Directory. When U341 wall design is used, wall shall be sheathed with 5/8 in. gypsum board, and glass or mineral fiber batt insulation shall be installed in stud cavities in accordance with U341 design. Boxes may be installed back-to-back.

CP 617 or CFS-P PA Firestop Putty Pads, for use with max 4-11/16 by 4-11/16 by max 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates for use in 1 and 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Min 0.8 pcf density fiberglass batt insulation is to be installed within the wall cavity required for 1 hr fire rated gypsum board wall assemblies and optional in 2 hr fire rated gypsum wallboard assemblies.

CP 617 or CFS-P PA Firestop Putty Pads, for use with max 4 by 3-3/4 by 3 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Carlon Electrical Products, made from polyvinyl chloride, and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classification for Fire Resistance" category in the Fire Resistance Directory. Putty pads and boxes for use in 1 and 2 hr fire rated gypsum wallboard assemblies, framed with min 3-1/2 in. deep wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet box secured to wood stud by means of two nailing tabs supplied with the outlet box. Putty pads shall lap min 1/2 in. onto the stud and gypsum board within the stud cavity. Outlet boxes installed with steel or plastic cover plates.

CP 617 or CFS-P PA Firestop Putty Pads, for use with max 4 by 4 by 2-7/8 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Carlon Electrical Products, made from polyvinyl chloride, and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classification for Fire Resistance" category in the Fire Resistance Directory. Putty pads and boxes for use in the 1 hr fire rated V446 gypsum board/steel stud or U341 gypsum board/wood stud Wall and Partition Design in the Fire Resistance Directory. When U341 wall design is used, wall shall be sheathed with 5/8 in. gypsum board, and glass or mineral fiber batt insulation shall be installed in stud cavities in accordance with U341 design. Outlet box secured to steel stud by means of fastening tab supplied with the outlet box. Putty pads shall lap min 1/2 in. onto the stud and gypsum board within the stud cavity. Outlet boxes installed with steel or plastic cover plates. Boxes may be installed back to back.

CP 617 Firestop Putty Pads, for use with max 2-1/4 by 3-3/4 by 2-3/4 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Pass and Seymore, Inc., and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classification for Fire Resistance" category in the Fire Resistance Directory. Putty pads and boxes for use in 1 and 2 hr fire rated gypsum wallboard assemblies, framed with min 3-1/2 in. deep wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet box secured to wood stud by means of two nailing tabs supplied with the outlet box.Putty pads shall lap min 1/2 in. onto the stud and gypsum board within the stud cavity. Outlet boxes installed with steel or plastic cover plates.

CP 617 or CFS-P PA Firestop Putty Pads, for use with max 4 by 3-3/4 by 3 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Allied Molded Products, Inc., made from fiber reinforced thermoplastic and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classification for Fire Resistance" category in the Fire Resistance Directory. Putty pads and boxes for use in 1 hr fire rated gypsum wallboard assemblies, framed with min 3-1/2 in. deep wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet box secured to wood stud by means of two nailing tabs supplied with the outlet box. Putty pads shall lap min 1/2 in. onto the stud and gypsum board within the stud cavity. Outlet boxes installed with plastic cover plates.

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Hilti Firestop Systems

CP617 / CFS-P PA / FIRESTOP BOX INSERT

Wall Opening Protective Materials (CLIV, CLIV7)

CP 617 or CFS-P PA Firestop Putty Pads, for use with max 4 by 4 in. by 1-1/2 in. deep flush device UL Listed Metallic Outlet Boxes installed with steel cover plates in 1 hr. fire rated gypsum wallboard wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. The boxes are installed back to back with 5 in. by 4 in. UL Classified fire block, CP 657 or CFS-BL Firestop Block installed in the cavity between the two boxes.

CP 617 or CFS-P PA Firestop Putty Pads, for use with max 14 by 4 by max 2-1/2 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates in 1 and 2 hr. fire rated gypsum board wall assemblies framed with min 5-1/2 in. deep wood or steel studs for 2 hr fire rated walls and min 3-1/2 in. deep wood or steel studs for 1 hr fire rated walls. Walls constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Stud cavity insulation is required and shall consist of min 5-1/2 in. (2 hr rated walls) or min 3-1/2 in. (1 hr rated walls) thick fiberglass (min 0.8 pcf) or mineral fiber (min 4 pcf). Putty pads shall lap min 1/2 in. onto the stud and gypsum board within the stud cavity. When boxes are interconnected by means of electrical metallic tube (EMT) or conduit, a ball of putty pad material shall be used to completely plug the open end of each EMT or conduit within the box.

CP 617 or CFS-P PA Firestop Putty Pads, for use with max 4-11/16 by 4-11/16 by max 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel or plastic cover plates for use in 1 and 2 hr fire rated gypsum board wall assemblies framed with min 5-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Putty pads shall lap min 1/2 in. onto the stud and gypsum board within the stud cavity. When boxes are interconnected by means of electrical metallic tube (EMT) or conduit, a ball of putty pad material shall be used to completely plug the open end of each EMT or conduit within the outlet boxes. Metallic outlet boxes may be provided with steel attachment brackets which offset box min 1/4 in. from stud. When steel attachment brackets are used, putty pad to be affixed to the back and all four sides of the box.

CFS-P PA Moldable Putty Pads, for use with max 4-11/16 by 4-11/16 in. by max 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 and V400 Series Wall and Partition Designs in the Fire Resistance Directory. An additional 3/4 in. ball of putty pad material shall be used to plug the end of each electrical metallic tube or conduit at its connection to the box.

CFS-P PA Moldable Putty Pads, for use with max 4 by 4 by 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel or plastic cover plates in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 and V400 Series Wall and Partition Designs in the Fire Resistance Directory. An additional 3/4 in. ball of putty pad material shall be used to plug the end of each electrical metallic tube or conduit at its connection to the box.

CFS-P PA Moldable Putty Pads, for use with max 14-1/4 by 4-1/2 by 2-1/2 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 and V400 Series Wall and Partition Designs in the Fire Resistance Directory. An additional 3/4 in. ball of putty pad material shall be used to plug the end of each electrical metallic tube or conduit at its connection to the box.

HILTI Firestop Box Insert, for use with flush device UL Listed Metallic Outlet Boxes installed with steel mud rings or UL Listed Nonmetallic Outlet Boxes in framed wall assemblies as specified below. When protective material is used on outlet boxes on both sides of the wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back (unless otherwise indicated). Installation shall comply with the National Electrical Code (NFPA 70). The box composition, max device dimensions, hourly rating, type of stud and type of faceplate are specified below.

HILTI Firestop Box Insert, for use with max 4-11/16 by 4-11/16 by 2-1/8 in. deep UL Listed Metallic Outlet Boxes without internal clamps in 1 or 2 hr fire rated gypsum wallboard wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed of materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet boxes in 2 hr fire rated walls shall be installed with steel cover plates. One 4-3/8 by 4-3/8 in. insert adhered to the interior back wall of the outlet box in accordance with the instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 4-3/8 x 4-3/8 in coverage.

HILTI Firestop Box Insert, for use with max 4 by 4 by 1-1/2 in. deep and 2-1/8 in. deep UL Listed Metallic Outlet Boxes without internal clamps in 1 or 2 hr fire rated gypsum wallboard wall assemblies framed with min 3 1/2 in. deep steel or wood studs and constructed of materials and in the manner specified in the individual U400, V400 or U300 Series Wall and Partition Designs in the Fire Resistance Directory, as summarized in the Table below. One 3-11/16 by 3-3/4 in. insert adhered to the interior back wall of the outlet box in accordance with the instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 3-11/16 x 3-3/4 in coverage.

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Hilti Firestop Systems

CP617 / CFS-P PA / FIRESTOP BOX INSERT

Wall Opening Protective Materials (CLIV, CLIV7)

Box Size	Type of Box and Cover Plate	Hourly Rating	Wall Type
4 x 4 x 2-1/8 in deep	Metallic w/ steel cover plates	2-hour	U300, U400 or V400 - wood or steel studs
4 x 4 x 2-1/8 in deep	Metallic w/ plastic cover plates	1-hour	U300, U400 or V400 - wood or steel studs
4 x 4 x 1-1/2 in deep	Metallic w/ plastic cover plates	1-hour	U300 - wood studs

HILTI Firestop Box Insert, for use with max 2 1/8 x 4 x 2 1/8 in. deep UL Listed Metallic Outlet Boxes without internal clamps in 2 hr fire rated gypsum wallboard wall assemblies framed with min 3 1/2 in. deep wood or steel studs and constructed of materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet boxes may be installed with steel cover plates. One 1-7/8 x 2-13/16 insert adhered to the interior back wall of the outlet box in accordance with the instructions supplied with the product.

HILTI Firestop Box Insert, for use with max 4-1/2 x 8-1/2 in. by 1-5/8 in. deep or max 3-3/4 x 5-1/2 in. by 2-1/2 in deep UL Listed Metallic Outlet Boxes without internal clamps in 1 hr or 2 hr fire rated gypsum wallboard wall assemblies framed with min 3 1/2 in. deep steel or wood studs and constructed of materials and in the manner specified in the individual U400, V400 or U300 Series Wall and Partition Designs in the Fire Resistance Directory, as summarized in the Table below. Outlet boxes installed with steel cover plates. Box inserts evenly spaced and adhered to the interior back wall of the outlet box in accordance with the instructions supplied with the product.

Box Size	Inserts Used	Fire Rating	Wall Type
4-1/2 x 8-1/2 x 1-5/8 in deep	Two 3-11/16 x 3-3/4 in. inserts **	2 hour	U300, U400 or V400 - wood or steel studs
3-3/4 x 5-1/2 x 2-1/2 in deep	One 3-11/16 x 3-3/4 in. insert and one 1-7/8 x 2-13/16 in. insert	1 hour	U300, U400, or V400 - wood or steel studs
** - Min 3/4 in. deep plaster rings installed over outlet box. After installation of gypsum board, nom 1/4 in. thickness of Hilti FS-ONE Sealant or FS-ONE MAX Intumescent Sealant, bearing the UL Classification Marking for Fill, Void or Cavity Materials, applied between the base layer of wallboard and the plaster ring.			

HILTI Firestop Box Insert , for use with 4-3/8 by 4-7/8 by 2-1/4 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 1 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. One 4-3/8 in. wide by 4-3/8 in. high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 4-3/8 in. by 4-3/8 in. coverage and adhered to the interior back wall of the outlet box. Outlet boxes installed with plastic or steel cover plates.

HILTI Firestop Box Insert, for use with 4-3/8 by 4-7/8 by 2-1/4 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. One 4-3/8 in. wide by 4-3/8 in. high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 4-3/8 in. by 4-3/8 in. coverage and adhered to the interior back wall of the outlet box. Outlet boxes installed with steel cover plates.

CP 617 or CFS-P PA Firestop Putty Pads and HILTI Firestop Box Inserts, for use with maximum 4 by 4 by 1-1/2 in. (102 by 102 by 38 mm) deep flush device UL Listed Metallic Outlet Boxes installed with steel mud rings and with steel or plastic faceplates in 1 or 2 hr fire rated gypsum board wall assemblies constructed with min 3-1/2 in. (89 mm) wide wood or steel studs. When both protective materials are used with outlet boxes on both sides of the wall as directed, the boxes may be installed back-to-back provided that the backs of the boxes are minimum 1/2 in. (13 mm) apart and provided that the boxes are not interconnected. Adjoining pieces of moldable putty pads to be overlapped approx 1/2 in. (13 mm) at the seam. An insert pad shall be installed to completely cover the back inside surface of each outlet box.

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Hilti Firestop Systems

30 FIRE RATED WALL - OPENING PROTECTIVE MATERIALS DETAIL

NO SCALE

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

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Davis, CA 95618
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CONSULTANTS:

EDGE MEP/FP/SPRINKLER ENGINEERING
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS

REGISTERED PROFESSIONAL ENGINEER — GORDON PAR KAI WONG — No. E 018416 — ELECTRICAL — STATE OF CALIFORNIA
06/14/2024

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	E6.01
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2023	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

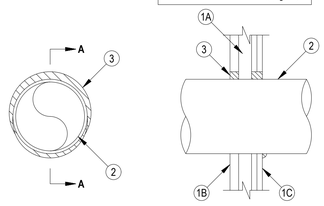
IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

WL 1380

System No. W-L-1380

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 2 Hr
	FTH Rating — 0 Hr



SECTION A-A

1. Wall Assembly — The 2 hr fire-rated gypsum board/stud shaft wall assembly shall be constructed of the materials and in the manner specified in the individual U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
   A. Steel Studs — "C-H" or "C-T" shaped studs, min 2-1/2 in. (64 mm) wide by 1-1/2 in. (38 mm) deep, fabricated from min No. 25 gauge galv steel, spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — 1 in. (25 mm) thick, 24 in. (610 mm) wide gypsum liner panels installed vertically. Max diam of circular cutout in gypsum liner panel is 9-1/2 in. (241 mm).
   C. Gypsum Board* — 1/2 in. or 5/8 in. (13 or 16 mm) thick, 48 in. (1.22 m) wide gypsum boards. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of circular cutout in gypsum board is 9-1/2 in. (241 mm).
2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. (0 mm, point contact) to max 7/8 in. (22 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe — Nom 8 in. (203 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 8 in. (203 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 4 in (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) diam steel conduit.
   D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material* - Sealant — Min 1 in. (25 mm) thickness of fill material applied within the annulus, flush with each surface of wall. A min 1/2 in. (13 mm) diam bead of fill material shall be applied at the point contact location between pipe and wall on the finished side of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant, FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

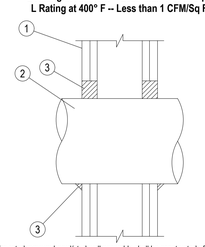
Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 22, 2015

WL 1297

System No. W-L-1297

F Ratings -- 1 and 2 Hr (See Item 1)
T Rating -- 0 Hr
L Rating at Ambient -- Less than 1 CFM/Sq Ft
L Rating at 400° F -- Less than 1 CFM/Sq Ft

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115



1. Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features.
   A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Nom 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the Fire Resistance Directory. Max diam of opening is 32 in. (813 mm).
   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrant — One metallic pipe, conduit or tubing installed concentrically or eccentrically within the firestop system. Pipe, conduit or tube to be rigidly supported on both sides of wall assembly. The annular space between the pipe, conduit or tube and periphery of the opening shall be min 0 in (0 mm, point contact) to max 2 in. (51 mm) in 2 hr fire rated walls and min 0 in (0 mm, point contact) to max 1 in. (25 mm) in 1 hr fire rated walls. As an option, for through penetrant types 2A, 2B and 2C only in nom diameters not exceeding 4 in. (102 mm), the penetrant can be installed with continuous point contact. The following types and sizes of metallic pipes, conduit or tube may be used:
   A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
   B. Iron Pipe — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or 6 in. diam steel conduit.
   D. Copper Tube — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tube.
   E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material*-Sealant — Min 5/8 in. (16 mm) or 1-1/4 in. (32 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall; for 1 hr and 2 hr fire rated wall assemblies, respectively. A min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe/wall interface at the point contact and continuous point contact location.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP606 Flexible Firestop Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

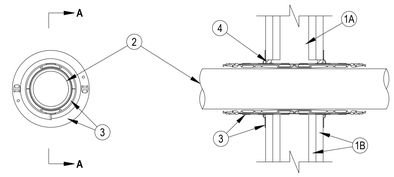
Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. June 29, 2017

WL 1441

System No. W-L-1441

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 0, 1/2 and 3/4 Hr (See Items 1 and 3)	FT Ratings —0, 1/2 and 3/4 Hr (See Items 1 and 3)
	FH Ratings — 1 and 2 Hr (See Item 1)
	FTH Ratings — 0, 1/2 and 3/4 Hr (See Items 1 and 3)



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described within the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
   A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Nom 5/8 in. (16 mm) thick gypsum board as specified in the individual Wall and Partition Design. Opening in gypsum board to be 2-1/2 in. (64 mm) diam for nominal 2 in. (51 mm) firestop device and 4 1/2 in. (114 mm) diam for nominal 4 in. (102 mm) firestop device.
   The hourly F, FH Ratings of the firestop system are dependent upon the hourly rating of the wall in which it is installed. The hourly T, FT, FTH Ratings of the firestop system are 1/2 hr for 1 hr rated walls and 3/4 hr for 2 hr rated walls.
2. Through Penetrant — One metallic pipe, conduit or tubing to be installed concentrically within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of the wall assembly. The following types and sizes of metallic pipes, conduits and tubes may be used:
   A. Steel Pipe — Nom 3 in. (76 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
   B. Iron Pipe — Nom 3 in. (76 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 3 in. (76 mm) diam (or smaller) rigid steel conduit or steel electrical metallic tubing (EMT).

Hilti Firestop Systems

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Page: 1 of 2

WL 1441

System No. W-L-1441

3. Firestop Device* — Firestop device consists of a corrugated steel tube with an inner plastic housing, intumescent material rings, tightly twisted inner fabric smoke seal, flanges and gasketing material (not shown). As an option, the inner fabric seal may remain open. The T, FT and FTH Ratings of the firestop system are 0 hr when the inner fabric seal remains open. Firestop device to be installed in accordance with the accompanying installation instructions. Device slid into wall such that ends project an equal distance from the approximate centerline of the wall assembly. The annular space between the device and the periphery of the opening shall be min 0 in. (point contact). Device provided with flanges that are spun clockwise onto device threads, over gasketing material butting tightly to both sides of wall. For blank devices, flanges shall be secured to gypsum wall with min two 1-1/2 in. (38 mm) long drywall screws. As an alternate to gasket material, sealant (Item 4) may be used.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 653 and CP 653 BA 2" Speed Sleeve, CP 653 and CP 653 BA 4" Speed Sleeve, CFS-SL GA L 2" and 4" Speed Sleeves
   The CFS-SL GA L 2" and 4" Speed Sleeves shall only be used in wall thickness of 8 in. (203 mm) or greater.
4. Fill, Void or Cavity Material* - Sealant — As an alternate to gasket material (see Item 3), min 1/2 in. (13 mm) thickness of fill material applied within the annulus between firestop device and wall, flush with both surfaces of wall. An additional 1/4 in. (6 mm) bead shall be applied around periphery of device on each side of wall prior to securing device flanges.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 606, FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

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28 FIRE RATED WALL PENETRATION SYSTEM W-L-1380

NO SCALE

23 FIRE RATED WALL PENETRATION SYSTEM W-L-1297

NO SCALE

13 SPEED SLEEVE - SYSTEM NO. W-L-1441

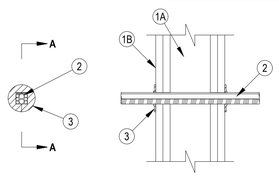
NO SCALE

WL 3414

System No. W-L-3414

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 0, ½, 1 and 2 Hr (See Item 2)	FT Ratings — 0, ½, 1 and 2 Hr (See Item 2)
L Rating at Ambient — Less than 1 CFM/Opening	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating at 400 F — Less than 1 CFM/Opening	FTH Ratings — 0, ½, 1 and 2 Hr (See Item 2)
	L Rating at Ambient — Less than 1 CFM/Opening
	L Rating at 400 F — Less than 1 CFM/Opening



SECTION A-A

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. October 14, 2015

Page: 1 of 2

WL 3414

System No. W-L-3414

1. Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. (51 mm) by 4 in. (102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1219 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Opening may be round, rectangular or irregular with a max diam or dimension of 1 in. (25 mm).
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Cables — Single or tight bundle of cables to be installed within the opening. Aggregate cross-sectional area of cables in opening to have a visual fill of min 0% to max 100%. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (point contact). Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types and sizes of cables may be used:
   A. Max 3/C No. 8 AWG NM copper conductor cable (Romex) with PVC insulation and jacket.
   B. Max 7/C-No. 12 AWG copper conductor control cable with PVC or XLPE insulation and jacket.
   C. Max 100 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with PVC or plenum rated insulation and jacketing.
   D. Max 4 pr No. 22 AWG (or smaller) Cat 5 or Cat 6 computer cables with PVC or plenum rated insulation and jacketing.
   E. Type RG/U coaxial cable with fluorinated ethylene or PVC insulation and jacketing having a max outside diameter of ½ in. (13 mm).
   F. Max 24 fiber optic cable with polyvinyl chloride (PVC) or polyethylene (PE) jacket and insulation.
   G. Through Penetrating Product* — Max two copper conductor No. 18 AWG (or smaller) Power or Non-Power Limited Fire Alarm Cable with or without a jacket under a metal armor.
   AFC CABLE SYSTEMS INC
   H. Maximum 3/C No. 10 AWG copper conductor metal-clad cable.
   The hourly T, FT and FTH Ratings of the firestop system are dependent on cable type and hourly wall rating as specified in Table below.

Cable Type	Hourly Wall Rating	Hourly T, FT and FTH Rating
None (Blank Opening)	1 and 2	1 and 2
A	1 and 2	1 and 2
B	1	0
	2	1/2
C	1	0
	2	1/2
D	1 and 2	1 and 2
E	1 and 2	1 and 2
F	1 and 2	1 and 2
G	1 and 2	1 and 2
H	1 and 2	1 and 2

3. Fill, Void or Cavity Material* — Nom 60 mm diam by 3 mm thick putty disc with one seam at radius. Paper-backer of disc to be removed and disc firmly pressed around the cable/cable bundle lapping nom 5 mm onto cables to completely cover opening and firmly pressed to lap onto the wall around periphery of opening. Disc seam to be firmly pressed and sealed tight. Disc to be installed at both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-D 1" Firestop Cable Disc

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

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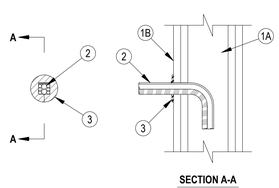
WL 3415

System No. W-L-3415

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 1 and 2 Hr (See Item 1)	FT Ratings — 1 and 2 Hr (See Item 1)
L Rating at Ambient — Less than 1 CFM/Opening	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating at 400 F — Less than 1 CFM/Opening	FTH Ratings — 1 and 2 Hr (See Item 1)
	L Rating at Ambient — Less than 1 CFM/Opening
	L Rating at 400 F — Less than 1 CFM/Opening



SECTION A-A

Hilti Firestop Systems

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WL 3415

System No. W-L-3415

1. Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. (51 mm) by 4 in. (102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1219 cm) wide with square or tappered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Opening may be round, rectangular or irregular with a max diam or dimension of 1 in. (25 mm).
   The hourly F, FT, FH and FTH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Cables — Single or tight bundle of cables penetrating wall assembly on one side of wall. Aggregate cross-sectional area of cables in opening to have a visual fill of min 0% to max 100%. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (point contact). Cables to be rigidly supported on penetrating side of and within the wall assembly. Any combination of the following types and sizes of cables may be used:
   A. Max 3/C No. 8 AWG NM copper conductor cable (Romex) with PVC insulation and jacket.
   B. Max 4 pr No. 22 AWG (or smaller) Cat 5 or Cat 6 computer cables with PVC or plenum rated insulation and jacketing.
   C. Type RG/U coaxial cable with fluorinated ethylene or PVC insulation and jacketing having a max outside diameter of ½ in. (13 mm).
   D. Max 24 fiber optic cable with polyvinyl chloride (PVC) or polyethylene (PE) jacket and insulation.
   E. Max 25 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
   F. Through Penetrating Product* — Max two copper conductor No. 18 AWG (or smaller) Power or Non-Power Limited Fire Alarm Cable with or without a jacket under a metal armor.
   AFC CABLE SYSTEMS INC
   G. Maximum 3/C No. 10 AWG copper conductor metal-clad cable.
3. Fill, Void or Cavity Material* — Nom 60 mm diam by 3 mm thick putty disc with one seam at radius. Paper-backer of disc to be removed and disc firmly pressed around the cable/cable bundle lapping nom 5 mm onto cables to completely cover opening and firmly pressed to lap onto the wall around periphery of opening. Disc seam to be firmly pressed and sealed tight. Disc to be installed at penetrated side of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-D 1" Firestop Cable Disc

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

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30 FIRE RATED WALL PENETRATION SYSTEM W-L-3414

NO SCALE

15 FIRE RATED WALL PENETRATION SYSTEM W-L-3415

NO SCALE

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH

FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

EDGE MEP/FP/SP/ELECTRICAL ENGINEERING
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS

REGISTERED PROFESSIONAL ENGINEER — GORDON PAR. KOH — No. E 018416 — STATE OF CALIFORNIA — ELECTRICAL
06/14/2024

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	E6.02
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2023	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

GENERAL NOTE:

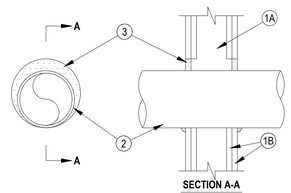
THROUGH PENETRATION NOTE:
WHERE PROVIDED, THROUGH-PENETRATION FIRESTOP SYSTEM AND MEMBRANE PENETRATION DETAILS ARE FOR REFERENCE ONLY. THROUGH-PENETRATIONS AND MEMBRANE PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER OR AS OTHERWISE PERMITTED BY CBC, SECTION 714. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS AND MEMBRANE PENETRATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION DETAILS FOR LISTED SYSTEMS. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS, MEMBRANE PENETRATION PROTECTION AND OTHER PERMITTED MEANS AND METHODS OF PENETRATION PROTECTION SHALL BE SUBMITTED FOR OSHPD FDD REVIEW AND APPROVAL PRIOR TO INSTALLATION.

CLASSIFIED C UL US
Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

System No. W-L-1054

WL 1054

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings —1 and 2 Hr (See Items 1 and 3)	F Ratings — 1 and 2 Hr (See Items 1 and 3)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Ratings —1 and 2 Hr (See Items 1 and 3)
L Rating at 400 F — Less Than 1 CFM/sq ft	FTH Rating — 0 Hr
	FTH Rating — 0 Hr
	L Rating at Ambient — Less Than 1 CFM/sq ft L Rating at 400 F — Less Than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. (819 mm) for steel stud walls. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls.

The F and FH Ratings of the firestop system are equal to the fire rating of the wall assembly.

HILTI Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 23, 2015

System No. W-L-1054

WL 1054

2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. (57 mm). Pipe may be installed with continuous point contact. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) . diam steel conduit.
   D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

HILTI Hilti Firestop Systems

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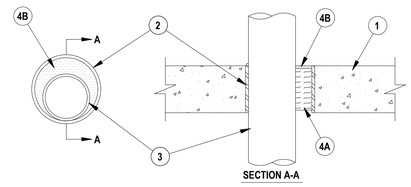
28 FIRE RATED WALL PENETRATION W-L-1054

NO SCALE

System No. C-AJ-1421

CAJ 1421

F Rating - 2 and 3 Hr (See Item 4B)
T Rating = 0 Hr



SECTION A-A

1. Floor or Wall Assembly - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 6 in. (152 mm). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Metallic Sleeve - (Optional) Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
3. Through-Penetrant - One metallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe, tube or conduit and periphery of opening shall be min 0 in. (0 mm) (point contact) to max 5-3/8 in. (137 mm). Pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or conduits may be used:
   A. Steel Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe - Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
   C. Copper Pipe - Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
   D. Copper Tubing - Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Conduit - Nom 4 in. (102 mm) diam (or smaller) steel conduit.
   F. Conduit - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT).
4. Firestop System - The firestop system shall consist of the following:
   A. Packing Material - Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* - Sealant - Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. For 3 Hr rated assemblies, a min 1/4 in. (6 mm) diam bead of fill material shall be applied at the concrete/pipe interface at the point contact location on the top surface of floor and on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-ONE Sealant or CP604 Self-Leveling Firestop Sealant. CP604 shall be used in floor applications only. When CP604 is used, F Rating is 2 Hr.

*Bearing the UL Classification Mark

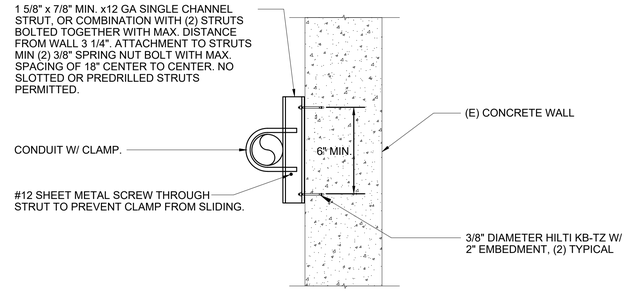
HILTI® FIRESTOP SYSTEMS

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. April 26, 2004

CLASSIFIED C UL US

8 CONCRETE WALL PENETRATION DETAIL - C-AJ-1421

NO SCALE

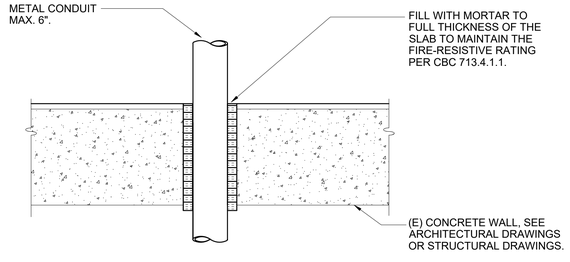


NOTES:

1. FOR 3/4" TO 2" CONDUIT, SUPPORTS @ 10'-0" OC MAX., MAX. WEIGHT PER CONNECTION IS 20LBS.
2. FOR 3" CONDUIT, SUPPORTS @ 6'-0" OC MAX., MAX. WEIGHT PER CONNECTION IS 50LBS.
3. FOR 4" CONDUIT, SUPPORTS @ 4'-0" OC MAX., MAX. WEIGHT PER CONNECTION IS 55LBS.

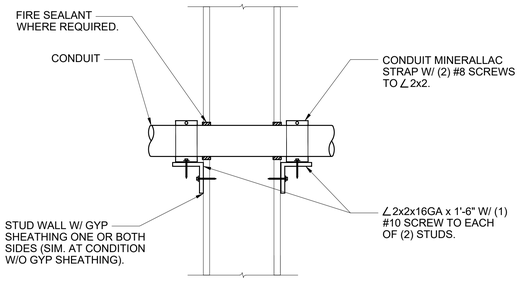
30 HORIZONTAL CONDUIT TO CONCRETE WALL DETAIL

NO SCALE



20 CONDUIT THRU CONCRETE DETAIL

NO SCALE



SIDE VIEW

15 CONDUIT THRU WALL DETAIL

NO SCALE

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789fax

CONSULTANTS:

EDGE MEP/FP/SP/ELECTRICAL ENGINEERING
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS

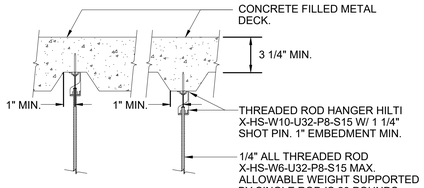
Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	E6.03
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2023	

REGISTERED PROFESSIONAL ENGINEER — GORDON P.K. KO — No. E 018416 — ELECTRICAL — STATE OF CALIFORNIA

06/14/2024

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY



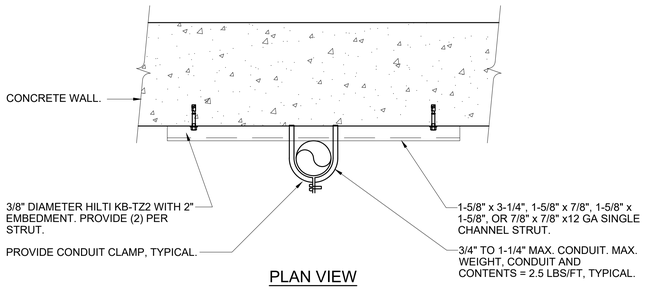
NOTES:

1. UPON INSTALLATION OF FASTENER INTO CONCRETE FILLED METAL DECK, CONTRACTOR TO PATCH/REPAIR DAMAGE TO EXISTING. SPRAY APPLIED FIREPROOFING, AS REQUIRED, TO RESTORE ORIGINAL FIREPROOFING THICKNESS AND FIRE RATING.
2. ANCHOR MAY BE PLACED AT HIGH OR LOW FLUTE, CENTER ANCHOR IN FLUTE.
3. TENSION TEST 50% OF CEILING CLIP ASSEMBLIES TO 180LBS. SEE "POST INSTALLED" NOTES AND "POST INSTALLED ANCHOR TESTING CRITERIA" NOTES ON STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
4. MAX. LENGTH OF ROD IS 60 INCHES.

1

27 1/4" THREADED ROD TO CONCRETE FILLED METAL DECK DETAIL

NO SCALE



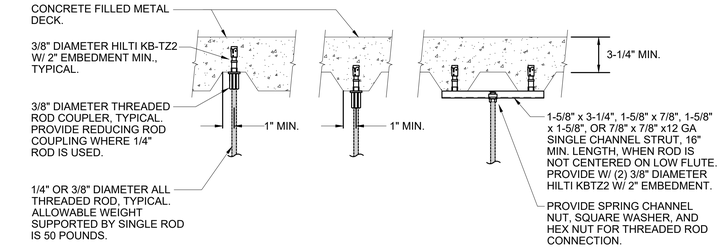
PLAN VIEW

NOTES:

1. STRUT SUPPORTS SHALL BE LOCATED AT 10'-0" O.C., MAX.
2. NO SLOTTED OR PREPUNCHED STRUTS PERMITTED.

17 CONDUIT MOUNTING DETAIL - CONCRETE

NO SCALE

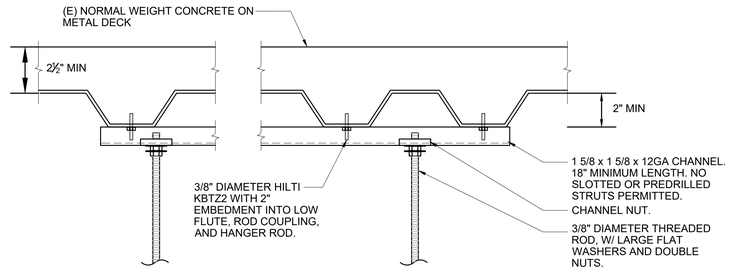


NOTES:

1. VERIFY THAT CONCRETE OVER METAL DECK MUST COMPLY WITH FIGURES 5A TO 5D IN ICC ESR-4266.
2. UPON INSTALLATION OF FASTENER INTO CONCRETE FILLED METAL DECK, CONTRACTOR TO PATCH/REPAIR DAMAGE TO EXISTING. SPRAY APPLIED FIREPROOFING, AS REQUIRED, TO RESTORE ORIGINAL FIREPROOFING THICKNESS AND FIRE RATING.
3. ANCHOR MAY BE PLACED AT HIGH OR LOW FLUTE, CENTER ANCHOR IN FLUTE.
4. TORQUE TEST 50% OF EXPANSION ANCHORS TO 30FT-LBS. SEE "POST INSTALLED" NOTES AND "POST INSTALLED ANCHOR TESTING CRITERIA" NOTES ON STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS

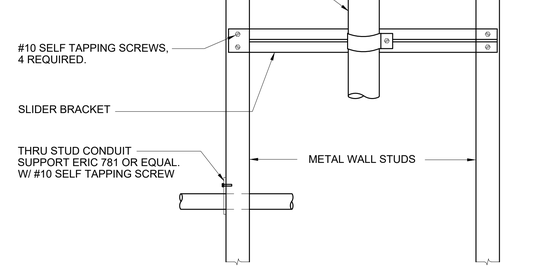
7 THREADED ROD TO CONCRETE FILLED METAL DECK - HILTI ANCHORS

NO SCALE



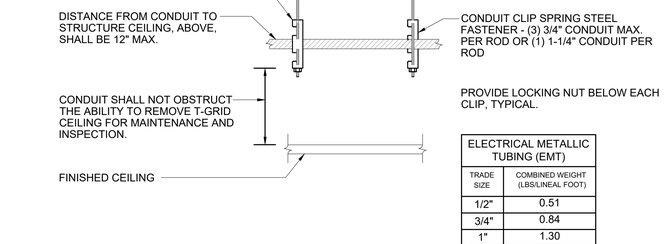
29 THREADED ROD TO CONC FILLED METAL DECK - STRUT

NO SCALE



19 VERTICAL CONDUIT SUPPORT BETWEEN STUD

NO SCALE



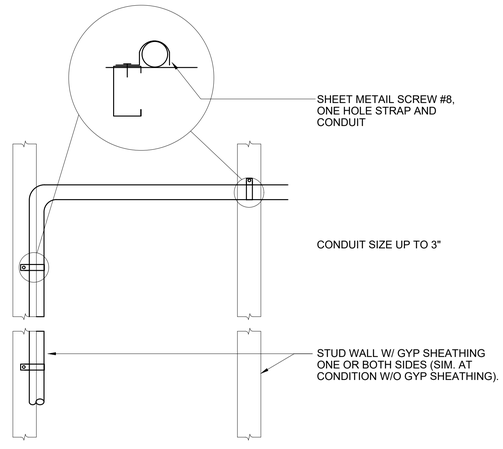
ELECTRICAL METALLIC TUBING (EMT)	
TRADE SIZE	COMBINED WEIGHT (LBS/LINEAL FOOT)
1/2"	0.51
3/4"	0.84
1"	1.30
1-1/4"	2.12

NOTES:

1. SPACING BETWEEN SUPPORTS SHALL BE 10' MAXIMUM.
2. MAXIMUM TOTAL LOAD PER CLIP IS 20LBS.
3. 5 PLF MAXIMUM CONDUIT WEIGHT.

9 THREADED ROD CONDUIT SUPPORT DETAIL

NO SCALE



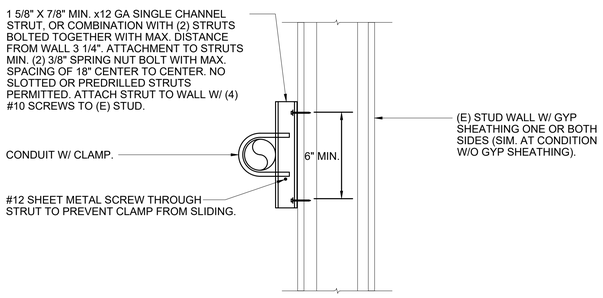
ELEVATION

NOTES:

1. SUPPORTS AT 8'-0" O.C., MAX.

30 ONE HOLE STRAP CONDUIT DETAIL

NO SCALE

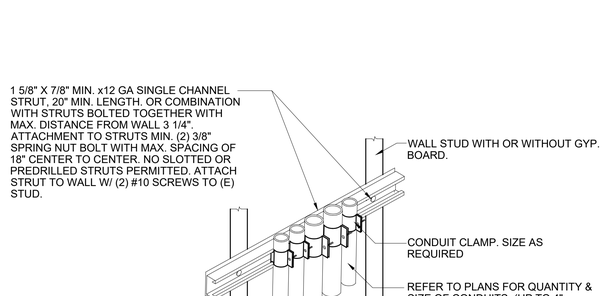


NOTES:

1. FOR 3/4" TO 3" CONDUIT, SUPPORTS @ 10'-0" OC MAX., MAX. WEIGHT PER CONNECTION IS 20LBS.
2. FOR 3" CONDUIT, SUPPORTS @ 6'-0" OC MAX., MAX. WEIGHT PER CONNECTION IS 50LBS.
3. FOR 4" CONDUIT, SUPPORTS @ 4'-0" OC MAX., MAX. WEIGHT PER CONNECTION IS 55LBS.

20 HORIZONTAL CONDUIT TO WALL DETAIL

NO SCALE



NOTES:

1. SUPPORTS @ 6'-0" O.C. MAX.
2. VERTICAL APPLICATION TO SINGLE STUD SIMILAR. STRUT TO BE 4" LONG MIN.
3. CONDUITS SHALL NOT EXCEED 10 PLF OR 100LBS MAX PER SPAN.

10 MULTIPLE VERTICAL CONDUIT SUPPORT DETAIL

NO SCALE

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER No. E 018416 ELECTRICAL STATE OF CALIFORNIA
09/16/2024

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:
EDGE Mechanical Engineering
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	E6.04
Designed By: JOHNNY	Issue Date: 07/13/2023	
Drawn By: JOHNNY	Revit Version: 2023	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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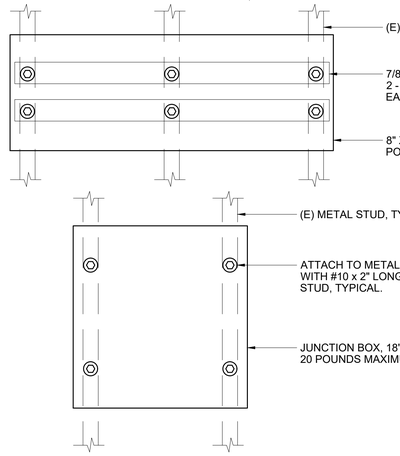
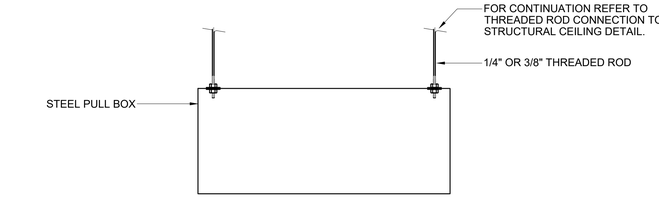


NOTES:

1. FOR SMALLER JUNCTION BOXES (LESS THAN 16"), ATTACH TO SINGLE STUD WITH (2) #10 X 2" SHEET METAL SCREWS.
2. SIMILAR AT CONDITION WITH OR WITHOUT GYP SHEATHING.

27 JUNCTION BOX MOUNTED TO DRYWALL DETAIL

NO SCALE

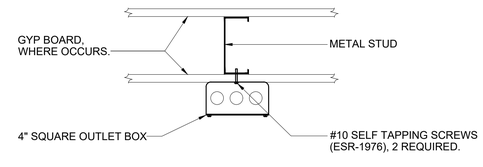


NOTES:

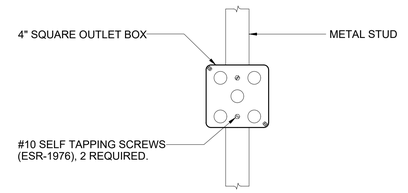
1. SPACING BETWEEN HANGERS SHALL BE PER CEC REQUIREMENTS.
2. MAXIMUM BOX WEIGHT ALLOWED IS 20LBS (1)

17 LARGE PULL BOX SUPPORT DETAIL

NO SCALE



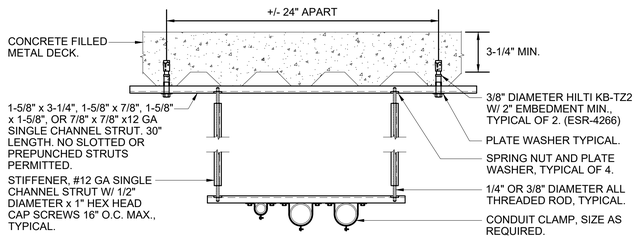
PLAN VIEW



ELEVATION

7 BOX SUPPORT (ON STUD)

NO SCALE

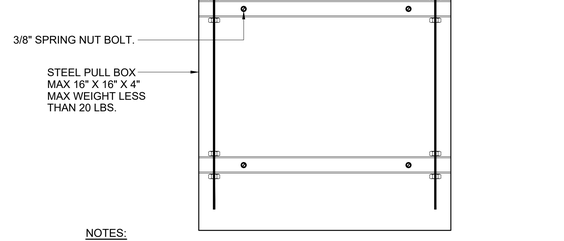


NOTES:

1. SPACING BETWEEN HANGERS SHALL BE PER CEC REQUIREMENTS, NOT EXCEEDING 3 FEET OF EACH RACEWAY TERMINATION, MAXIMUM OF 10 FEET BETWEEN SUPPORTS.
2. ALL BACK TO BACK CHANNEL SHALL HAVE FILLET WELDS ON BOTH SIDES.
3. PLACEMENT OF TRAPEZE SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.
4. MAXIMUM WEIGHT TO BE LESS THAN OR EQUAL TO 10 LBS/FT.

29 CONDUIT TRAPEZE MOUNTING TO CONCRETE FILLED METAL DECK DETAIL

NO SCALE

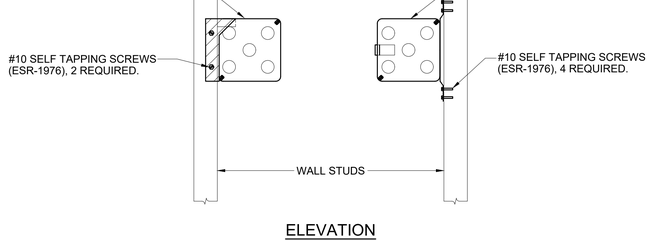


NOTES:

1. SPACING BETWEEN HANGERS SHALL BE PER CEC REQUIREMENTS.
2. ANCHOR MAY BE PLACED AT HIGH OR LOW FLUTE. CENTER ANCHOR IN THE FLUTE.

19 TYPICAL - LARGE PULL BOX SUPPORT DETAIL

NO SCALE

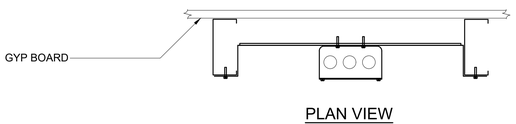


PLAN VIEW

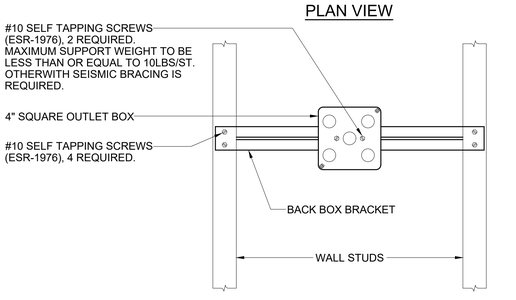
ELEVATION

9 BOX SUPPORT (ON STUDS)

NO SCALE



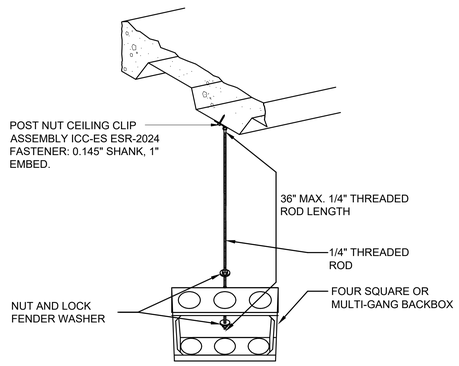
PLAN VIEW



ELEVATION

30 BOX SUPPORT (BETWEEN STUDS)

NO SCALE

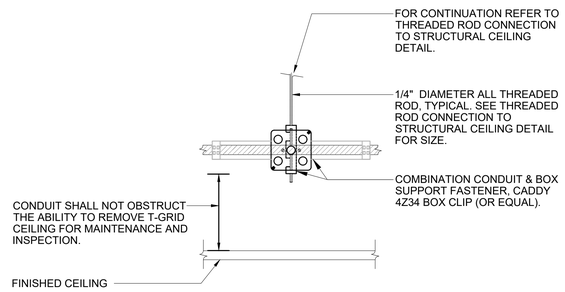


NOTES:

1. MAXIMUM WEIGHT = 20 LBS.

20 SUSPENDED BOX MOUNTING DETAIL

NO SCALE



NOTES:

1. UPON INSTALLATION OF FASTENER INTO CONCRETE FILLED METAL DECK. CONTRACTOR TO PATCH/REPAIR DAMAGE TO EXISTING SPRAY APPLIED FIREPROOFING, AS REQUIRED, TO RESTORE ORIGINAL FIREPROOFING THICKNESS AND FIRE RATING.

10 SUSPENDED BOX AND CONDUIT SUPPORT FASTENER DETAIL

NO SCALE

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER No. E 018418 ELECTRICAL STATE OF CALIFORNIA
09/16/2024

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
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EDGE Mechanical Engineering
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Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. E6.05
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 07/13/2023	
Drawn By: JOHNNY	Revit Version: 2023	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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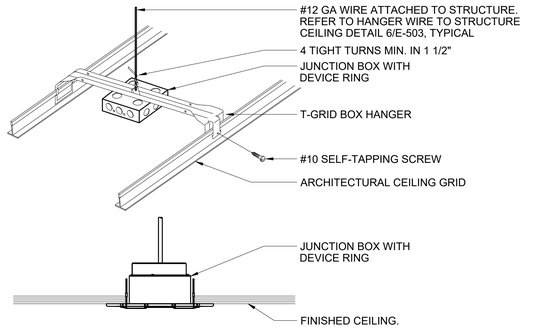
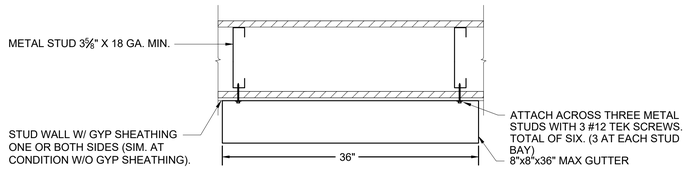


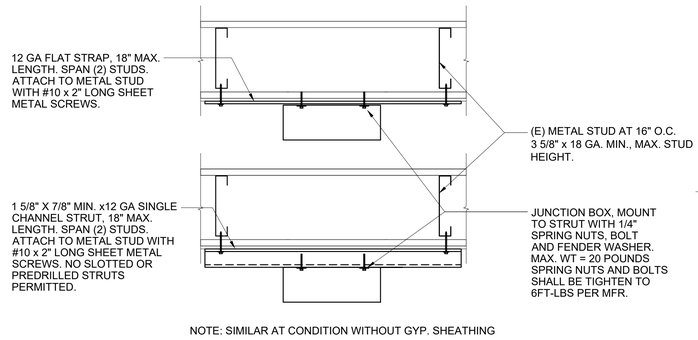
27 CEILING MOUNTED JUNCTION BOX DETAIL

NO SCALE



17 TYPICAL - GUTTER MOUNTING DETAIL

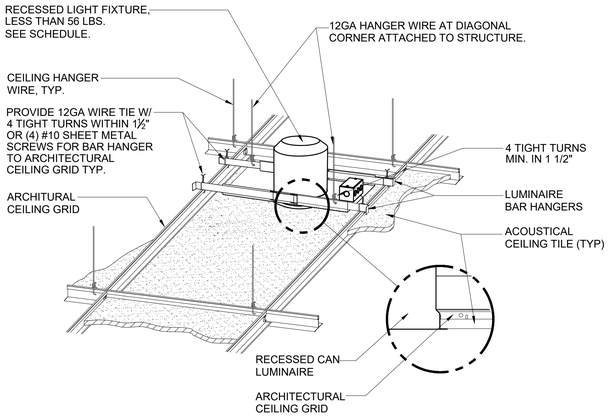
NO SCALE



NOTE: SIMILAR AT CONDITION WITHOUT GYP. SHEATHING

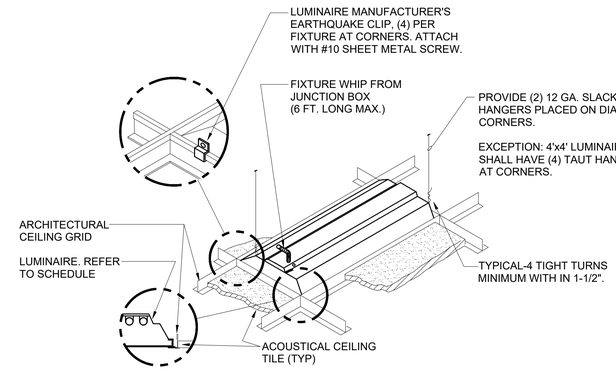
7 WALL MOUNTED BOX SUPPORT DETAIL

NO SCALE



29 DOWNLIGHT FIXTURE MOUNTING DETAIL - LAY-IN CEILING

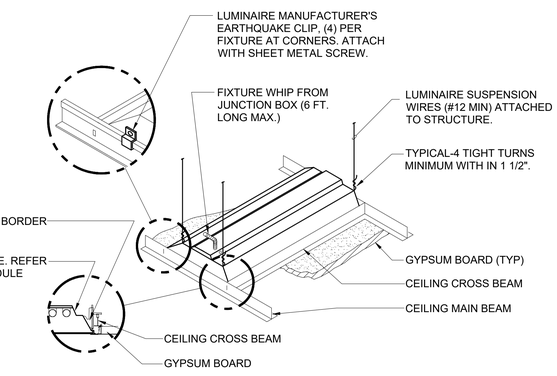
SCALE: NONE



NOTE:
1. LUMINAIRE WEIGHT: LESS THAN 56LBS.
2. FOR LUMINAIRE WEIGHT MORE THAN 56LBS, SEE DETAIL "LIGHT FIXTURE MOUNTING DETAIL - LAY-IN CEILING W/ SEISMIC BRACING."

19 LIGHT FIXTURE MOUNTING DETAIL - LAY-IN CEILING

SCALE: NONE

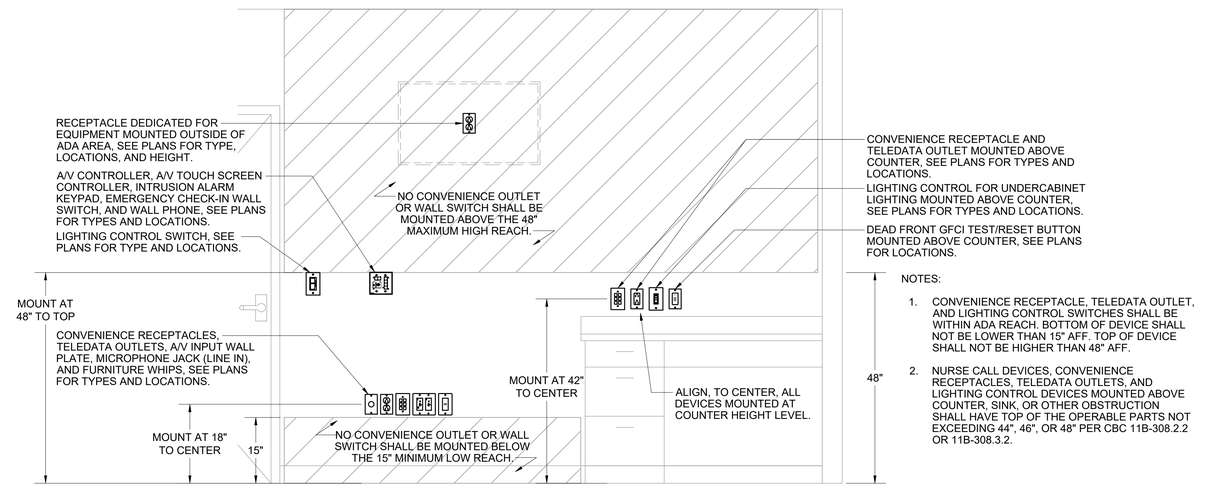


NOTE:

FOR FIXTURES WEIGHING MORE THAN 56 POUNDS, PROVIDE FOUR #12 SUPPORT WIRES SECURED TO STRUCTURE.

9 LIGHT FIXTURE MOUNTING DETAIL - GYPBOARD CEILING

SCALE: NONE

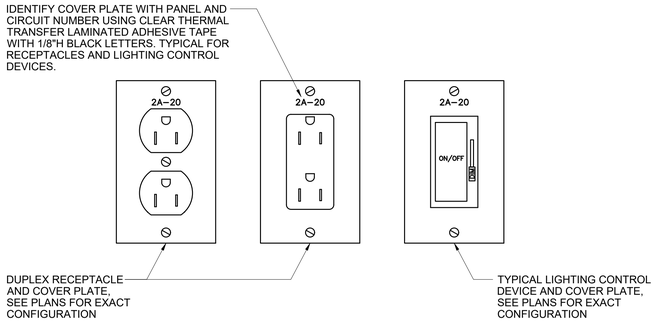


NOTES:

1. CONVENIENCE RECEPTACLE, TELEDATA OUTLET, AND LIGHTING CONTROL SWITCHES SHALL BE WITHIN ADA REACH. BOTTOM OF DEVICE SHALL NOT BE LOWER THAN 15" AFF. TOP OF DEVICE SHALL NOT BE HIGHER THAN 48" AFF.
2. NURSE CALL DEVICES, CONVENIENCE RECEPTACLES, TELEDATA OUTLETS, AND LIGHTING CONTROL DEVICES MOUNTED ABOVE COUNTER, SINK, OR OTHER OBSTRUCTION SHALL HAVE TOP OF THE OPERABLE PARTS NOT EXCEEDING 44", 46", OR 48" PER CBC 11B-308.2.2 OR 11B-308.3.2.

30 DEVICE MOUNTING DETAIL

SCALE: NONE



15 RECEPTACLE AND LIGHT SWITCH DESIGNATION DETAIL

SCALE: NONE

06/14/2024

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

EDGE Mechanical Engineering
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date

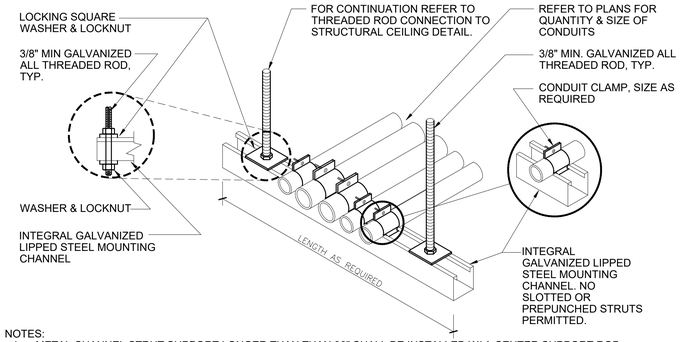
100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	E6.06
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2023	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

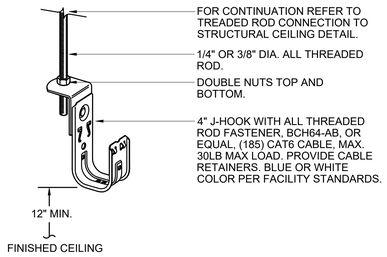
IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY



NOTES:
1. METAL CHANNEL STRUT SUPPORT LONGER THAN THAN 36" SHALL BE INSTALLED W/ A CENTER SUPPORT ROD.
2. FOR TRAPEZE INSTALLATIONS IN SEISMIC AREAS, REFER TO STRUCTURAL SPECIFICATION SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.
3. THE TOTAL WEIGHT OF THE RACEWAY SUPPORT BY TRAPEZE ASSEMBLIES IS LESS THAN 100LB (10 LBS/FT AT 10'-0" MAXIMUM TRAPEZE SPACING) AND THE LENGTH FROM THE CONDUIT SUPPORT TO THE SUPPORTING STRUCTURE IS 12" OR LESS.
4. FOR WEIGHT MORE THAN 10 LB/FT & LESS THAN 30 LB/FT, REFER TO OPM DETAILS.
5. SPACING BETWEEN SUPPORTS SHALL BE 10' MAX.
6. PLACEMENT OF TRAPEZE SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

27 CONDUIT TRAPEZE MOUNTING DETAIL

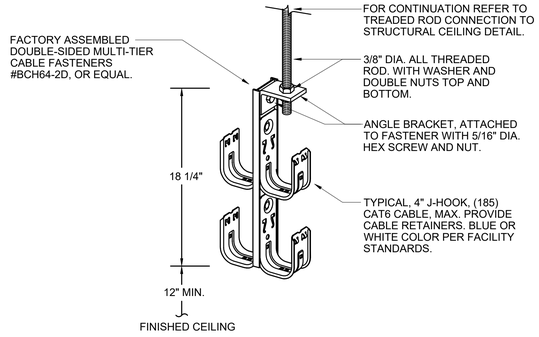
NO SCALE



NOTES:
1. MAXIMUM TOTAL LOAD PER J-HOOK IS 20LBS, MAXIMUM TOTAL UNIFORM LOAD IS 5LBS PER LINEAL FOOT.
2. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
3. J-HOOK SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.

17 J-HOOK SUPPORT DETAIL - SINGLE

NO SCALE



NOTES:
1. MAXIMUM LOAD PER INDIVIDUAL J-HOOK IS 30LBS.
2. MAXIMUM LOAD FOR (4) J-HOOK SYSTEM IS 120LBS.
3. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
4. J-HOOK SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.

7 MULTI-TIER J-HOOK DETAIL

NO SCALE

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

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HY ARCHITECTS PROJECT #: 5938

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EDGE MECHANICAL ENGINEERING
Project Number K018
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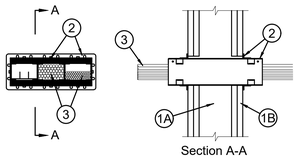
UCDMC Project Mgr. Checker	Scale: As indicated	E6.07
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2023	

System No. W-L-3218

F RATINGS – 1 AND 2 HR (SEE ITEM 1)
T RATINGS – 3/4 AND 1 HR (SEE ITEM 3)

GUIDE XHEZ
THROUGH-PENETRATION FIRESTOP SYSTEMS



Section A-A

1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – 5/8 IN. (16 MM) THICK, 4 FT (1.2 M) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 1/4 IN. LARGER THAN WIDTH AND HEIGHT DIMENSIONS OF FIRESTOP DEVICE(S).
   THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. FIRESTOP DEVICE* – ONE, TWO OR THREE FIRESTOP DEVICE MODULES GANGED TOGETHER. EACH FIRESTOP DEVICE MODULE CONSISTS OF A 3 1/2 IN. BY 5 IN.–1/2 IN. LONG GALV STEEL TUBE WITH AN INTUMESCENT MATERIAL LINING. FIRESTOP DEVICE MODULES TO BE INSTALLED IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS. THE SPACE BETWEEN THE FIRESTOP DEVICE MODULE(S) AND THE PERIPHERY OF THE OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 1/8 IN. FIRESTOP DEVICE MODULE(S) SECURED IN PLACE BY MEANS OF STEEL WALL PLATES SIZED TO ACCOMMODATE EITHER ONE, TWO OR THREE MODULES. WALL PLATES PROVIDED WITH A CLOSED CELL SILICONE GASKET SIZED TO LAP APPROX 1/2 IN. BEYOND THE PERIPHERY OF THE OPENING. STEEL WALL PLATES AND GASKET INSTALLED ON BOTH SIDES OF WALL AND SECURED TO EACH DEVICE BY MEANS OF STEEL SET SCREWS PROVIDED WITH DEVICE. EACH FIRESTOP DEVICE MODULE IS TO BE INSTALLED WITH ENDS PROJECTING AN EQUAL DISTANCE BEYOND EACH SURFACE OF THE WALL ASSEMBLY.

   SPECIFIED TECHNOLOGIES INC – EZ PATH
3. CABLES – WITHIN THE LOADING AREA FOR EACH FIRESTOP DEVICE MODULE, THE CABLES MAY REPRESENT A 0 TO 100% VISUAL FILL. CABLE FILL TO BE DISTRIBUTED AT A UNIFORM HEIGHT ACROSS THE WIDTH OF THE FIRESTOP DEVICE MODULE. CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES OF CABLES MAY BE USED:
   A. MAX 25 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR TELECOMMUNICATION CABLE WITH POLYVINYL CHLORIDE (PVC) JACKETING AND INSULATION.
   B. MAX 4 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH POLYVINYL CHLORIDE (PVC) JACKETING AND INSULATION.
   C. MAX RG/U COAXIAL CABLE WITH FLUORINATED ETHYLENE INSULATION AND JACKETING.

   WHEN THE HOURLY RATING OF THE WALL ASSEMBLY IS 1 HR, THE T RATING IS 3/4 HR. WHEN THE HOURLY RATING OF THE WALL ASSEMBLY IS 2 HR, THE T RATING IS 3/4 HR WHEN ITEM 3A IS USED. OTHERWISE THE T RATING IS 1 HR.

   * BEARING THE UL CLASSIFICATION MARK

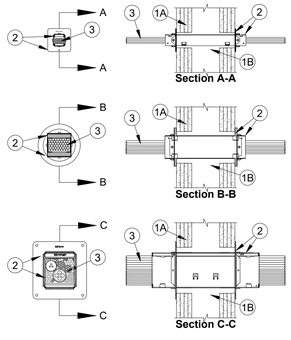
Certified to CAN/ULC S115 US
Classified by Underwriters Laboratories, Inc.

30 RATED THRU-WALL PEN. - EZ PATH

NO SCALE

System No. W-L-3377

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1, 2, 3 and 4 Hr (See Item 1)	F Ratings - 1, 2, 3 and 4 Hr (See Item 1)
T Rating - 0, 1/2, 3/4, 1, 1-1/2 and 2 Hr (See Item 3)	FT Rating - 0, 1/2, 3/4, 1, 1-1/2 and 2 Hr (See Item 3)
L Rating At Ambient - Less than 1 to 7 CFM/Device Module (See Item 2)	FH Ratings - 1, 2, 3 and 4 Hr (See Item 1)
L Rating at 400 F - Less than 1 to 3 CFM/Device Module (See Item 2)	FTH Rating -0, 1/2, 3/4, 1, 1-1/2 and 2 Hr (See Item 3)
	L Rating At Ambient - Less than 1 to 7 CFM/Device Module (See Item 2)
	L Rating at 400 F - Less than 1 to 3 CFM/Device Module (See Item 2)



1. **Wall Assembly** - The 1, 2, 3 or 4 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described within the individual U300, U400, V400 or W400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
   A. **Studs** - Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. **Gypsum Board*** - Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. See Table for opening sizes.

   The hourly F and FH Ratings are dependent upon the hourly rating of the wall in which it is installed.
2. **Firestop Device*** - Series 22 EZ Path device modules consist of a 1.4 by 1.4 by 10-1/2 in. (36 by 36 by 267 mm) long galv steel tube with an intumescent material lining. Series 33 EZ Path device modules consist of a 3 by 3 by 10-1/2 in. (76 by 76 by 267 mm) long galv steel tube with an intumescent material lining. Series 44+ EZ Path device modules consist of a 4 by 4-5/8 by 14 in. (102 by 118 by 356 mm) long galv steel tube with an intumescent material lining. Firestop device modules to be installed in accordance with the accompanying installation instructions. Firestop device modules secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of steel screws provided with device. Firestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly. The annular space between the device and opening shall be min 0 in. (point contact) to max 1/8 in. (3 mm) for Series 22 device, max 1/2 in. (13 mm) for Series 33 device and max 1/4 in. (6 mm) for Series 44 device. The opening size and L Ratings for each device vary according to whether device module is blank (no cables) or loaded (with cables) and which cable type and size is used, as tabulated below:

Device	Max Cable Fill	Cable Type	L-Rating (CFM)		Opening Size Diam or Dimensions, in. (mm)
			Ambient	400° F	
Series 22	0%	-	1.4	1.4	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 22	100%	3A	Less Than 1	Less Than 1	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 22	100%	3F	Less Than 1	Less Than 1	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 33	0%	-	Less Than 1	Less Than 1	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3A	4	3	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3F	1.3	Less Than 1	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3G, 3H	7	2	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3I	1.8	1.8	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 44+	0%	-	Less Than 1	Less Than 1	6 (152) or 4-1/8 x 4-1/4 (120 x 120)
Series 44+	100%	3A-3I	2.3	2.3	6 (152) or 4-1/8 x 4-3/4 (120 x 120)

   SPECIFIED TECHNOLOGIES INC - EZ PATH Series 22, 33 or 44+ Fire Rated Pathway

2A. **Firestop Device* - Extension Module** - (Optional, Not Shown) - Module attached to ends of Series 33, Series 44 or Series 44+ firestop device (Item 2) to increase its length to facilitate installation in thicker walls. Each module consists of a galv steel tube with an intumescent material lining. Extension module to be installed in accordance with the accompanying installation instructions. When module is used, firestop device (Item 2) and extension module(s) secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device or extension module(s) by means of steel set screws provided with wall plates. Firestop device and extension module(s) assembly to be installed with ends projecting an equal distance beyond each surface of the wall assembly.

   SPECIFIED TECHNOLOGIES INC - EZ PATH Series 33 or Series 44+ Extension
3. **Cables** - Cables may represent a 0 to 100 percent visual fill within the loading area for the firestop device module. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:
   A. Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
   B. Max 750 kcmil single copper conductor power cable with XLPE jacket and insulation
   C. Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
   D. Max 3/C No. 2/0 AWG metal clad or armored cable with steel or aluminum jacket.
   E. Max 3/C No. 8 AWG NM cable (Romex) with PVC insulation and jacket.
   F. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.
   G. Coaxial cable with fluorinated ethylene or PVC insulation and jacketing having a max diam of 5/8 in. (16 mm).
   H. Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 5/8 in. (16 mm).
   I. Max RG6/U coaxial cable with fluorinated ethylene, polyethylene (PE), PVC or plenum rated jacketing and insulation.

   When Series 22 EZ Path device modules are used and when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 3/4 hr except that for Items 3F, 3G and 3H, the T, FT and FTH Ratings are 1 hr. When the hourly fire rating of the wall assembly is 2 hr or greater, the T, FT and FTH Ratings are 3/4 hr when cables are installed. When no cables are installed within the device module, the T, FT and FTH Ratings are 1 hr in 1 hr walls and 1-1/2 hr for 2, 3 and 4 hr walls. When Item 3A, 3B, 3C, 3D or 3E is used, the maximum F and FH Ratings are 2 hr. When max 200 pair No. 24 AWG telecommunication cable and/or 350 kcmil power cable is used or when Item 3F, 3G or 3H is used, the maximum F and FH Ratings are 4 hr.

   When Series 33 EZ Path device modules are used and when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 3/4 hr. When the hourly fire rating of the wall assembly is greater than 1 hr, the T, FT and FTH Ratings are 3/4 hr when Item 3A, 3B, 3C, 3D or 3E is used. Otherwise the T, FT and FTH Ratings are 1 hr. When Item 3A, 3B, 3C, 3D or 3E is used, the maximum F and FH Ratings are 2 hr. When max 200 pair No. 24 AWG telecommunication cable is used or when Item 3F, 3G or 3H is used, the maximum F and FH Ratings are 4 hr.

   When Series 44 + EZ Path device modules are used and when Item 3A, 3B, 3C, 3D or 3E is used, the max F and FH Ratings are 3 hr and the T, FT and FTH Ratings are 1 hr. When Item 3F or 3G is used, the max F and FH Ratings are 4 hr and the T, FT and FTH Ratings are 1-1/2 hr. When Item 3H is used, the max F and FH Ratings are 4 hr and the T, FT and FTH Ratings are 2 hr. When device empty, the T, FT and FTH Ratings are 1-1/2 Hr.

   +Bearing the UL Listing Mark

   * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876
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Created or Revised: January 23, 2014
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PAGE OF

25 EZ PATH SLEEVE - SYSTEM NO. W-L-3377

NO SCALE

06/14/2024

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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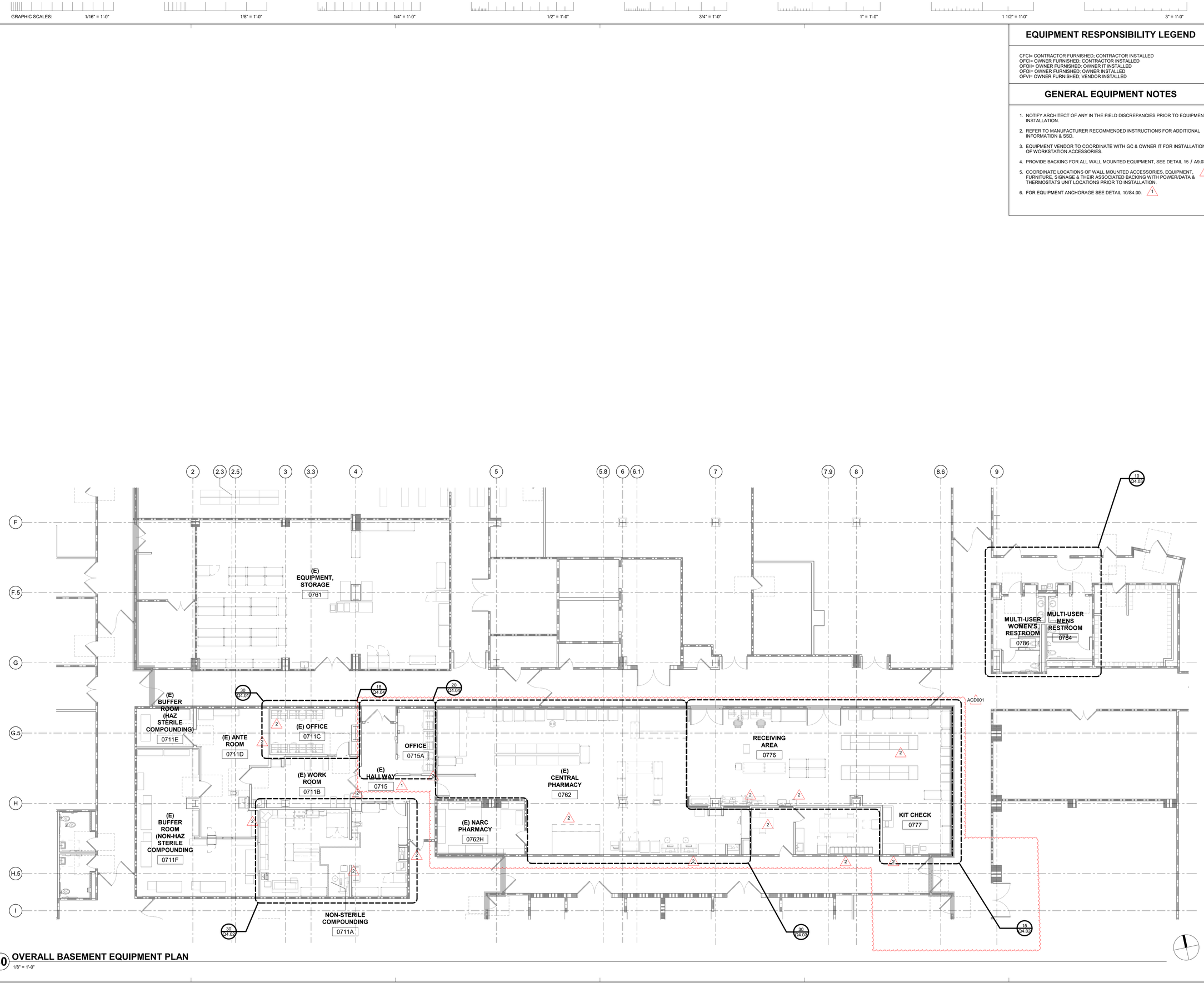
EQUIPMENT RESPONSIBILITY LEGEND

CFCI= CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
OFCI= OWNER FURNISHED; CONTRACTOR INSTALLED
OFOII= OWNER FURNISHED; OWNER IT INSTALLED
OFOI= OWNER FURNISHED; OWNER INSTALLED
OFVI= OWNER FURNISHED; VENDOR INSTALLED

GENERAL EQUIPMENT NOTES

1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO EQUIPMENT INSTALLATION.
2. REFER TO MANUFACTURER RECOMMENDED INSTRUCTIONS FOR ADDITIONAL INFORMATION & SSD.
3. EQUIPMENT VENDOR TO COORDINATE WITH GC & OWNER IT FOR INSTALLATION OF WORKSTATION ACCESSORIES.
4. PROVIDE BACKING FOR ALL WALL MOUNTED EQUIPMENT, SEE DETAIL 15 / A9.03
5. COORDINATE LOCATIONS OF WALL MOUNTED ACCESSORIES, EQUIPMENT, FURNITURE, SIGNAGE & THEIR ASSOCIATED BACKING WITH POWER/DATA & THERMOSTATS UNIT LOCATIONS PRIOR TO INSTALLATION. 1
6. FOR EQUIPMENT ANCHORAGE SEE DETAIL 10/S4.00. 1



30 OVERALL BASEMENT EQUIPMENT PLAN

1/8" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT HEIDI YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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HY ARCHITECTS PROJECT #: 5938

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530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
2	OWNER REVISIONS	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

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Sheet Title: OVERALL EQUIPMENT PLAN

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. Q2.01
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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GRAPHIC SCALES: 1/16" = 1'-0" (0 5' 50') | 1/8" = 1'-0" (0 5' 25') | 1/4" = 1'-0" (0 1' 12') | 1/2" = 1'-0" (0 1' 6') | 3/4" = 1'-0" (0 4') | 1" = 1'-0" (0 1' 3') | 1 1/2" = 1'-0" (0 2') | 3" = 1'-0" (0 1')

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

EQUIPMENT SCHEDULE - MAKE READY

ACD001

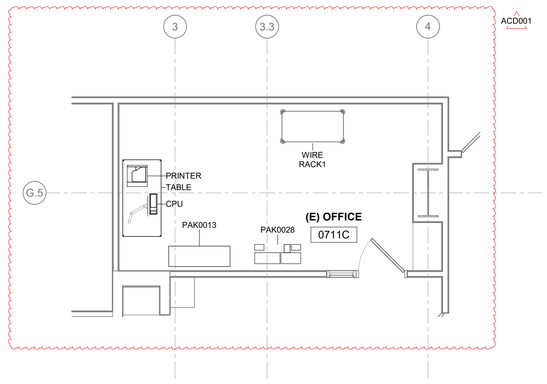
EQUIPMENT CODE	RESPONSIBILITY CODE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MODEL NAME	OPTIONS	WIDTH	DEPTH	HEIGHT	MOUNTING TYPE (FIXED-WALL, FIXED-FLOOR, MOBILE, DESK/ COUNTERTOP)	SEISMIC ANCHORING	MOUNTING DETAIL	WEIGHT (LBS)	TELE/ DATA LINE	POWER	DEDICATED POWER/ CIRCUIT	EMERGENCY POWER	VOLTS	AMPS	WATTS	EQUIPMENT MONITORING	BIOMED	MEDICAL GAS: O2/ CO2/ N2/ N2O/ CA/ MA/ VAC	MECHANICAL EXHAUST	PLUMBING DRAIN	PLUMBING SUPPLY	EXISTING
CPU	OFOII	COMPUTER	HP	HP ELITEDESK 800 G6			7 1/4"	1 1/4"	7"	COUNTER				Yes	Yes	Yes											X
PAK0013	OFVI	WET REPACKAGER	MEDICAL PACKAGING, INC.	FLUIDOSE SERIES 5			4' - 0"	1' - 4"	2' - 0"	COUNTER																	X
PAK0028	OFVI	PACKAGING SYSTEM, MEDS, UNIT DOSE, STRIP	MEDICAL PACKAGING, INC.	AUTO-PRINT II			3' - 0"	2' - 3"	2' - 0"	COUNTER			65		Yes			115									X
PRINTER	OFCI	PRINTER, MULTI-FUNCTION	RICOH	IM C300F			1' - 7 1/2"	1' - 10"	1' - 8"	COUNTER	No		103.6	Yes	Yes	Yes			20			No					X
TABLE	OFCI	TABLE, WORK, SS	LOGIQUIP, LLC	NEQ-09			5' - 0"	2' - 6"	2' - 10"	MOBILE	No			No	No	No	No				No	No	No	No	No	No	
WIRE RACK1	OFCI	CART, SUPPLY: STAINLESS, 48 INCH		2448FS	74UPS	5MPGSA & 5MPBGSA	2' - 0"	4' - 0"	6' - 2"	FREESTANDING			24														X

EQUIPMENT RESPONSIBILITY LEGEND

CFCI= CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
OFCI= OWNER FURNISHED; CONTRACTOR INSTALLED
OFOII= OWNER FURNISHED; OWNER IT INSTALLED
OFOI= OWNER FURNISHED; OWNER INSTALLED
OFVI= OWNER FURNISHED; VENDOR INSTALLED

GENERAL EQUIPMENT NOTES

1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO EQUIPMENT INSTALLATION.
2. REFER TO MANUFACTURER RECOMMENDED INSTRUCTIONS FOR ADDITIONAL INFORMATION & SSD.
3. EQUIPMENT VENDOR TO COORDINATE WITH GC & OWNER IT FOR INSTALLATION OF WORKSTATION ACCESSORIES.
4. PROVIDE BACKING FOR ALL WALL MOUNTED EQUIPMENT, SEE DETAIL 15 / A9.03
5. COORDINATE LOCATIONS OF WALL MOUNTED ACCESSORIES, EQUIPMENT, FURNITURE, SIGNAGE & THEIR ASSOCIATED BACKING WITH POWER/DATA & THERMOSTATS UNIT LOCATIONS PRIOR TO INSTALLATION. 1
6. FOR EQUIPMENT ANCHORAGE SEE DETAIL 10/S4.00. 1



30 ENLARGED EQUIPMENT PLAN - PHASE 1 - MAKE READY - ROOM 0711C
1/4" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEVIN YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: EQUIPMENT AND ACCESSORIES PLANS - BASEMENT - MAKE READY

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. Q4.01
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

7/22/2025 12:09:52 PM C:\Users\auno\Documents\5938 UCDH Central Phamacy_Central_R25-REVISED SCOPE_auno.DA58.rvt

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EQUIPMENT SCHEDULE - PHASE 1

ACD001

EQUIPMENT CODE	RESPONSIBILITY CODE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MODEL NAME	OPTIONS	WIDTH	DEPTH	HEIGHT	MOUNTING TYPE (FIXED-WALL, FIXED-FLOOR, MOBILE, DESK/ COUNTERTOP)	SEISMIC ANCHORING	MOUNTING DETAIL	WEIGHT (LBS)	TELE/ DATA LINE	POWER	DEDICATED POWER/ CIRCUIT	EMERGENCY POWER	VOLTS	AMPS	WATTS	EQUIPMENT MONITORING	BIOMED	MEDICAL GAS: O2/ CO2/ N2/ N2O/ CA/ MA/ VAC	MECHANICAL EXHAUST	PLUMBING DRAIN	PLUMBING SUPPLY	EXISTING
BAL0028	OFOI	BALANCE, LAB, PRECISION	OHAUS CORPORATION	30100607			0"	0"	0"	COUNTER	No																X
BCH0220	OFOI	BENCH, GOWNING	INTERMETRO INDUSTRIES CORP.	GB1636S	3LDK2		3' - 0"	1' - 4"	1' - 6"	FLOOR	No		48														
C-462198	OFCI	HOOD, HORIZONTAL LAMINAR FLOW	LABCONCO CORPORATION	3971686	3971686	RXPERT	2' - 5"	4' - 11 1/2"	6' - 0"	FLOOR	Yes		940	Yes	Yes	Yes	Yes	115				Yes		Yes			X
C-462741	OFCI	SINK, SCRUB, 1-BAY, STAINLESS STEEL	JUST MANUFACTURING	JPHADA2230-CT-J	JPHADA2230-CT-J		2' - 6"	1' - 10"	2' - 3"	WALL	No		106														
C-463577-E	OFCI	REFRIGERATOR, CUBIXX, EXISTING; R-134A GROUP A1 REFRIGERANT	CUBIXX	23CF UNIT	BKGM23		2' - 8"	2' - 5"	6' - 9"	FLOOR	Yes		254	Yes	Yes	Yes	Yes	115				Yes					X
C-463731	OFVI	KITCHECK, RFID, BLUE	BLUESIGHT		EXISTING BLUE UNIT		2' - 10"	1' - 11"	2' - 1"	COUNTER	No		112	Yes	Yes												X
C-463793	OFOI	CART, SUPPLY, ENCLOSED, KIT CHECK	KITCHECK	CDS-1010	CDS-1010		2' - 4"	1' - 10"	6' - 0"	MOBILE	Yes		95														X
C-463794	OFOI	CONVEYOR, PORTABLE, ACORDIAN	FMH CONVEYORS	376 AL/FL	376 AL/FL	376 AL/FL NESTAFLEX	1' - 6"	2' - 0"	2' - 6"	MOBILE	No		0									No					X
C-463795	OFOI	CART, SUPPLY, STAINLESS, 72 INCH	INTERMETRO INDUSTRIES CORP.	(5)2472FS/(4)74UPS/(2)5MPGSA/(2)5MPBGSA	SUPER ERECTA SOLID SHELVES 72X24X74 (5-TIER)		6' - 0"	2' - 0"	6' - 2"	MOBILE	No		33														<varies>
CPU	OFOII	COMPUTER	HP	HP ELITEDESK 800 G6			7 1/4"	1 1/4"	7"	COUNTER	No			Yes	Yes	Yes											
CTK0845	OFOI	CART / TRUCK, SOILED UTILITY	GLOBAL INDUSTRIAL EQUIPMENT COMPANY	WB501600	STANDARD TILT TRUCK (1 CU YD./1000 LB CAPACITY)		2' - 11"	5' - 10"	3' - 5 1/2"	MOBILE	No		95									No					
DIS0351	OFOI	DISPOSAL, SHARPS, FLOOR BIN, PHARMACY	BD - BECTON, DICKINSON AND COMPANY	305071	305071 RCRA (BLACK, 17 GAL)		1' - 7 1/2"	1' - 2 1/4"	1' - 11 1/2"	FLOOR	No		8														
DSH0076	OFCI	DISHWASHER	MIELE INC.	61808051USA	PG 8080I (120V)		1' - 11 9/16"	2' - 9 5/16"	1' - 10 13/32"	FLOOR	Yes		130		Yes		120	15									
DSP1038	OFCI	DISPENSER, HAND SANITIZER, WALL MOUNT	ECOLAB HEALTHCARE NORTH AMERICA	92023093/92023106	NEXA CLASSIC MANUAL 92023093 (WHITE/8)		6 3/32"	3 31/32"	11 3/32"	WALL	No		2														
DSP1114	OFCI	DISPENSER, SHOE COVER / BOUFFANT CAPAUTOMATIC	BOOTIEBUTLER	KBLG-S	KBLG LARGE KINETICBUTLER AUTOMATIC SHOE		1' - 0 1/2"	2' - 5 1/4"	2' - 10 3/32"	FLOOR	No		50														
DSP1257	OFCI	DISPENSER, SOAP, WALL MOUNT	3M HEALTH CARE	9201						WALL	No																
EQ60	OFOI	PRINTER-DTWR1631.10.194.9.10	HP				0"	0"	0"		No																X
EQ62	OFOI	LABEL PRINTER-R110XI4 (ZEBRA)	ZEBRA				0"	0"	0"		No																X
LBPRNT	OFCI	LABEL PRINTER	ZEBRA	ZD620			0"	0"	0"		No																
MED0285	OFVI	TYPICAL PROFILE 6-DRAWER UNIT WITH THREE PREMIUM DRAWERS. INCLUDES: BIO-ID.	CAREFUSION - PYXIS MEDICATION PRODUCTS		MEDSTATION 3500		1' - 10"	2' - 2"	4' - 6"	FLOOR	Yes		165.5	Yes	Yes	Yes	Yes	120										
MIR0031	OFCI	MIRROR, VANITY	BOBRICK WASHROOM EQUIPMENT, INC.	B-165 2436						WALL	No																
PAK0013	OFVI	WET REPACKAGER	MEDICAL PACKAGING, INC.	FLUIDOSE SERIES 5			4' - 0"	1' - 4"	2' - 0"	COUNTER	No																X
PAK0028	OFVI	PACKAGING SYSTEM, MEDS, UNIT DOSE, STRIP	MEDICAL PACKAGING, INC.	AUTO-PRINT II			3' - 0"	2' - 3"	2' - 0"	COUNTER	No		65		Yes			115									X
PRC1234	OFCI	CART, PROCEDURE, GENERAL	INTERMETRO INDUSTRIES CORP.	FL30P						MOBILE	No																
PRINTER	OFCI	PRINTER, MULTI-FUNCTION	RICOH	IM C300F			1' - 7 1/2"	1' - 10"	1' - 8"	COUNTER	No		103.6	Yes	Yes	Yes			20			No					
REF2247	OFCI	REFRIGERATOR, PHARMACEUTICAL, 1 DOOR; R600A GROUP A3 REFRIGERANT, 0.209 LB REFRIGERANT CHARGE	HELMER SCIENTIFIC	5115125-1	I.SERIES IPR125-GX (115V)		2' - 5 3/32"	3' - 4"	6' - 7 19/32"	FLOOR	Yes		517	Yes	Yes	Yes	Yes	115	2.8			Yes					
REF2741	OFCI	REFRIGERATOR, PHARMACEUTICAL, 2 DOOR; R600A GROUP A3 REFRIGERANT, 0.2425 LB REFRIGERANT CHARGE	HELMER SCIENTIFIC	5115256-1	I.SERIES IPR256-GX (115V)		4' - 11"	3' - 4"	6' - 7 19/32"	FLOOR	Yes		827	Yes	Yes	Yes	Yes	115	4.3			Yes					
SPC1515	OFOI	CART, SUPPLY, STAINLESS, 24 INCH ⚠1	INTERMETRO INDUSTRIES CORP.	(5)2424FS/(4)74UPS/(2)5MPGSA/(2)5MPBGSA	SUPER ERECTA SOLID SHELVES 24X24X74 (5-TIER)		2' - 0"	2' - 0"	6' - 1 31/32"	MOBILE	Yes		100														
SPC1516	OFOI	CART, SUPPLY, STAINLESS, 36 INCH	INTERMETRO INDUSTRIES CORP.	(5)2436FS/(4)74UPS/(2)5MPGSA/(2)5MPBGSA	SUPER ERECTA SOLID SHELVES 36X24X74 (5-TIER)		3' - 0"	2' - 0"	6' - 1 31/32"	MOBILE	Yes		120														
SPC1517	OFOI	CART, SUPPLY, STAINLESS, 48 INCH	INTERMETRO INDUSTRIES CORP.	(5)2448FS/(4)74UPS/(2)5MPGSA/(2)5MPBGSA	SUPER ERECTA SOLID SHELVES 48X24X74 (5-TIER)		4' - 0"	2' - 0"	6' - 1 29/32"	MOBILE	Yes		145														
STL0187	OFOI	STOOL, HIGH, W/BACKREST	CUSTOM COMFORT MEDTEK	4070-CRB	CUSTOM COMFORT MEDTEK					MOBILE	No																
SWISSLOG	OFCI	CARRIER, STORAGE	SWISSLOG	CARRIER STORAGE BUCK ASSEMBLY, CTS 30	56479301, 56478204	EN: 19188	1' - 1 5/8"	1' - 5"	5' - 6 3/8"	FLOOR	Yes											No					
TABLE	OFCI	TABLE, WORK, SS	LOGIQUIP, LLC	NEQ-09			5' - 0"	2' - 6"	2' - 10"	MOBILE	No			No	No	No	No				No	No	No	No	No	No	X
TWLDSP	OFCI	PAPER TOWEL DISPENSER								WALL	No																
WIRE RACK1	OFCI	CART, SUPPLY: STAINLESS, 48 INCH		2448FS	74UPS	5MPGSA & 5MPBGSA	2' - 0"	4' - 0"	6' - 2"	FREESTANDING	No		24														X
WST0433-A	OFOI	WASTE CAN, STEP-ON (18 GAL. BEIGE)	CONTINENTAL COMMERCIAL PRODUCTS	18BE	CESS-A-18BE	18BE (18 GAL. BEIGE)	1' - 7 1/4"	1' - 4"	2' - 1"	FLOOR	No		11														
WTR0270	OFCI	WATER TREATMENT SYSTEM, PHARMACY DISPENSING	FILLMASTER SYSTEMS, LLC	3400	FILLMASTER 3400					SURFACE	No																

EQUIPMENT RESPONSIBILITY LEGEND

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OFCI= OWNER FURNISHED; CONTRACTOR INSTALLED
OFOII= OWNER FURNISHED; OWNER IT INSTALLED
OFOI= OWNER FURNISHED; OWNER INSTALLED
OFVI= OWNER FURNISHED; VENDOR INSTALLED

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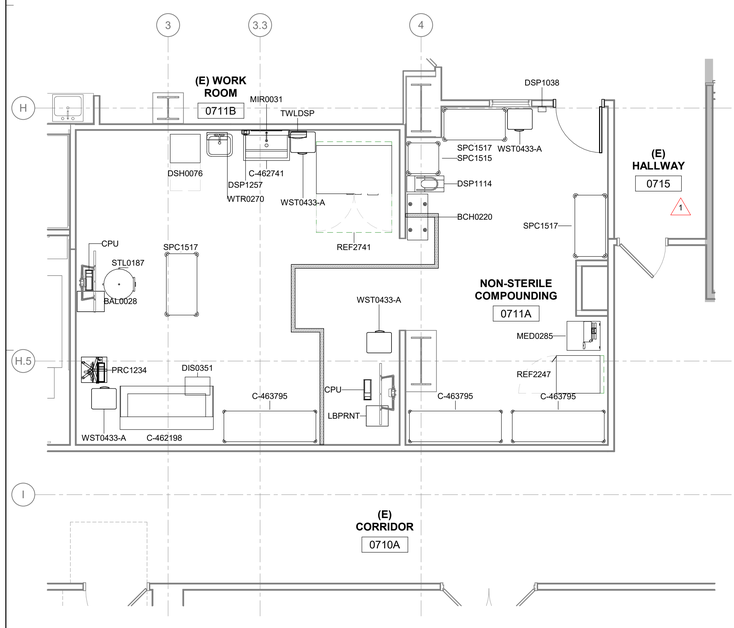
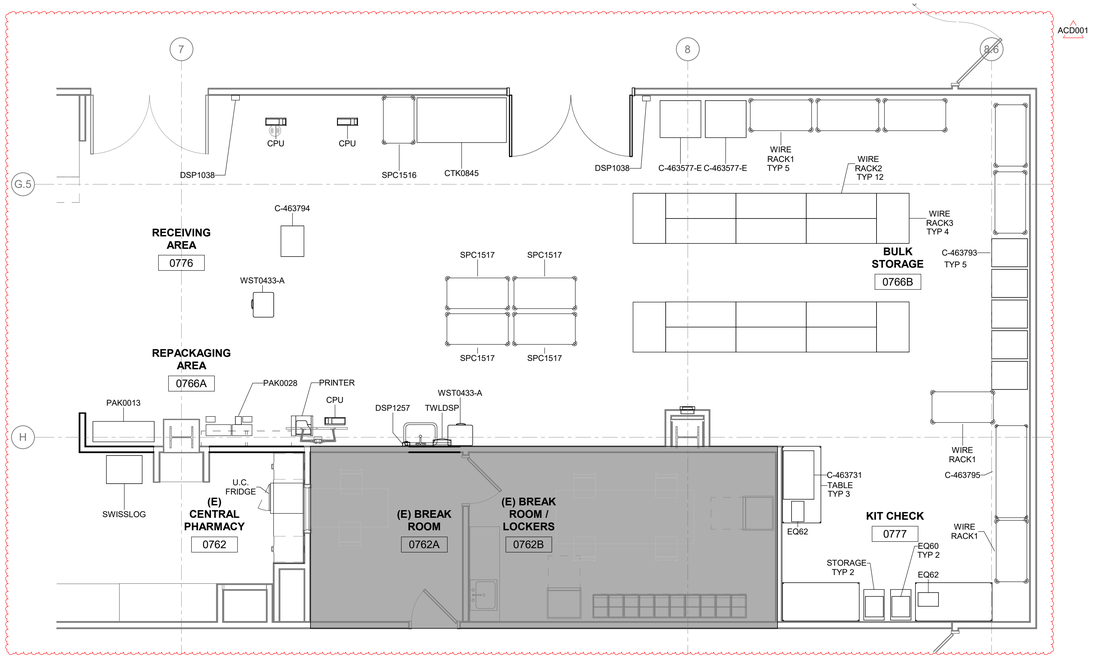
6. FOR EQUIPMENT ANCHORAGE SEE DETAIL 10/S4.00. ⚠1



30 ENLARGED EQUIPMENT PLAN - PHASE 1 - ROOM 0711A
1/4" = 1'-0"



15 ENLARGED EQUIPMENT PLAN - PHASE 1 - ROOMS 0776, ROOM 00766B, & ROOM 0777
1/4" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT REZA YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: EQUIPMENT AND ACCESSORIES PLAN - BASEMENT - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	Q4.02
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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7/22/2025 12:09:54 PM

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EQUIPMENT SCHEDULE - PHASE 2A

ACD001

EQUIPMENT CODE	RESPONSIBILITY CODE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MODEL NAME	OPTIONS	WIDTH	DEPTH	HEIGHT	MOUNTING TYPE (FIXED-WALL, FIXED-FLOOR, MOBILE, DESK/ COUNTERTOP)	SEISMIC ANCHORING	MOUNTING DETAIL	WEIGHT (LBS)	TELE/ DATA LINE	POWER	DEDICATED POWER/ CIRCUIT	EMERGENCY POWER	VOLTS	AMPS	WATTS	EQUIPMENT MONITORING	BIOMED	MEDICAL GAS: O2/ CO2/ N2/ N2O/ CA/ MA/ VAC	MECHANICAL EXHAUST	PLUMBING DRAIN	PLUMBING SUPPLY	EXISTING
CAROUSEL	OFCI	CAROUSEL	MEDISCA	MED0292			11' - 2 1/2"	7' - 0"	8' - 5"	FLOOR	Yes			Yes	Yes	Yes	Yes										
CPU	OFOII	COMPUTER	HP	HP ELITEDESK 800 G6			7 1/4"	1 1/4"	7"	COUNTER				Yes	Yes	Yes											
DSP1038	OFCI	DISPENSER, HAND SANITIZER, WALL MOUNT	ECOLAB HEALTHCARE NORTH AMERICA	92023093/92023106	NEXA CLASSIC MANUAL 92023093 (WHITE/8)		6 3/32"	3 31/32"	11 3/32"	WALL			2														
GRAB42	OFCI	42" GRAB BAR	BOBRICK	B-6806						WALL																	
GRAB48	OFCI	48" GRAB BAR	BOBRICK	B-6806						WALL																	
MED0173	OFCI	DISPENSER, MEDICATION, AUXILIARY	BD - BECTON, DICKINSON AND COMPANY	MAABDO	PYXIS MEDSTATION 4000 DOUBLE COLUMN (8 DOORS)		4' - 4"	2' - 4"	6' - 8"	FLOOR	Yes		471	Yes	Yes	Yes	Yes	115				Yes						X
MED0285	OFVI	TYPICAL PROFILE 6-DRAWER UNIT WITH THREE PREMIUM DRAWERS. INCLUDES: BIO-ID.	CAREFUSION - PYXIS MEDICATION PRODUCTS		MEDSTATION 3500		1' - 10"	2' - 2"	4' - 6"	FLOOR	Yes		165.5	Yes	Yes	Yes	Yes	120										X
REF011H	OFCI	FOLLET REFRIGERATOR - UNDER COUNTER; R404A GROUP A1	FOLLETT	959212	959212		18" - 7 1/4"	24" - 0"	18" - 0"	FLOOR	Yes		95	Yes	Yes	Yes	Yes	115										X
SANDISP	OFCI	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270						WALL																	
SCDSP	CFCI	SEAT COVER DISPENSER	ASI	20477						WALL																	
SOAP DIS	CFCI	WALL MOUNTED SOAP DISPENSER	ECOLAB	DISPENSER: 9202-3000, DRIP TRAY: 9202-2993	NEXA COMPACT MANUAL DISPENSER					WALL	No																
TLPDSP	OFCI	DOUBLE TOILET ROLL HOLDER	KWC GROUP AG	EXOS676B						WALL																	
TWLDSP	OFCI	PAPER TOWEL DISPENSER								WALL																	
WIRE RACK1	OFCI	CART, SUPPLY: STAINLESS, 48 INCH		2448FS	74UPS	5MPGSA & 5MPBGSA	2' - 0"	4' - 0"	6' - 2"	FREESTANDING			24														X
WST0267	OFOI	WASTE CAN, RECYCLE	RUBBERMAID COMMERCIAL PRODUCTS	20027209712						FREESTANDING																	

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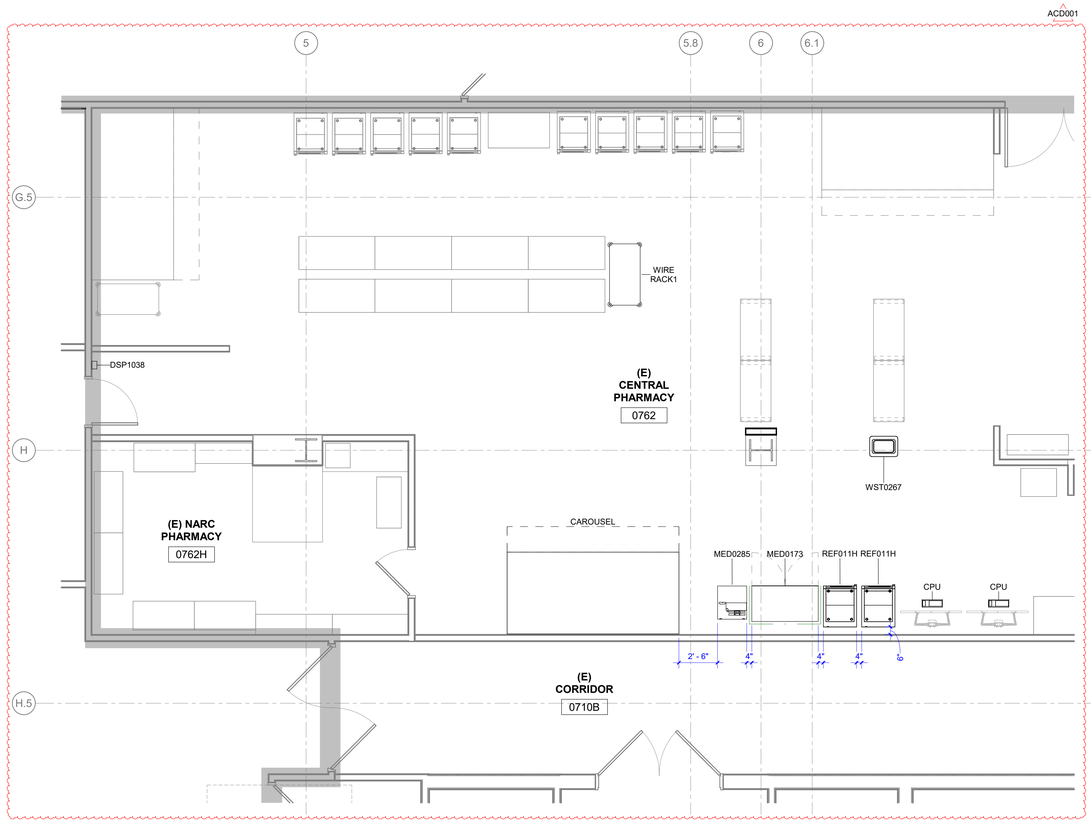
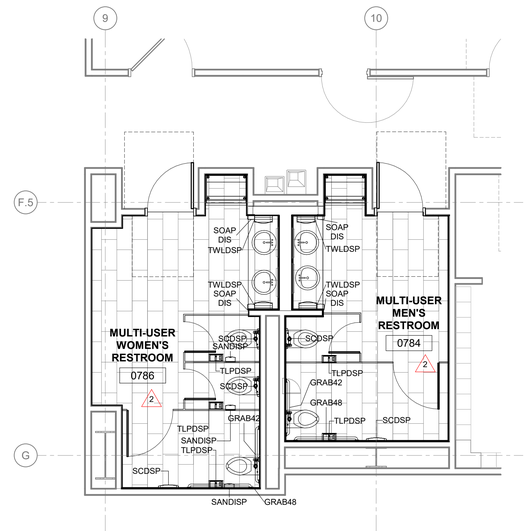


30 ENLARGED EQUIPMENT PLAN - PHASE 2 - ROOM 0762
1/4" = 1'-0"



10 ENLARGED EQUIPMENT PLAN - PHASE 2 - MULTI-USER STAFF RESTROOMS
1/4" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT TONY YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
2	OWNER REVISIONS	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: EQUIPMENT AND ACCESSORIES PLAN - BASEMENT - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	Q4.03
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

7/22/2025 12:09:55 PM C:\Users\auno\Documents\5938 UCDH Central Phamacy_Central_R25-REVISED SCOPE_auno.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

EQUIPMENT SCHEDULE - PHASE 3

ACD001

EQUIPMENT CODE	RESPONSIBILITY CODE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MODEL NAME	OPTIONS	WIDTH	DEPTH	HEIGHT	MOUNTING TYPE (FIXED-WALL, FIXED-FLOOR, MOBILE, DESK/ COUNTERTOP)	SEISMIC ANCHORING	MOUNTING DETAIL	WEIGHT (LBS)	TELE/ DATA LINE	POWER	DEDICATED POWER/ CIRCUIT	EMERGENCY POWER	VOLTS	AMPS	WATTS	EQUIPMENT MONITORING	BIOMED	MEDICAL GAS: O2/ CO2/ N2/ N2O/ CA/ MA/ VAC	MECHANICAL EXHAUST	PLUMBING DRAIN	PLUMBING SUPPLY	EXISTING
BIN0020	OFVI	BIN, SHREDDING, SECURE	SHRED-IT, INC.	MINI CONSOLE			1' - 8 1/4"	1' - 7 5/8"	2' - 2"	FLOOR	No																
DSP1038	OFCI	DISPENSER, HAND SANITIZER, WALL MOUNT	ECOLAB HEALTHCARE NORTH AMERICA	92023093/92023106	NEXA CLASSIC MANUAL 92023093 (WHITE/8)		6 3/32"	3 31/32"	11 3/32"	WALL	No		2															

EQUIPMENT RESPONSIBILITY LEGEND

CFCI= CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
OFCI= OWNER FURNISHED; CONTRACTOR INSTALLED
OFOII= OWNER FURNISHED; OWNER IT INSTALLED
OFOI= OWNER FURNISHED; OWNER INSTALLED
OFVI= OWNER FURNISHED; VENDOR INSTALLED

GENERAL EQUIPMENT NOTES

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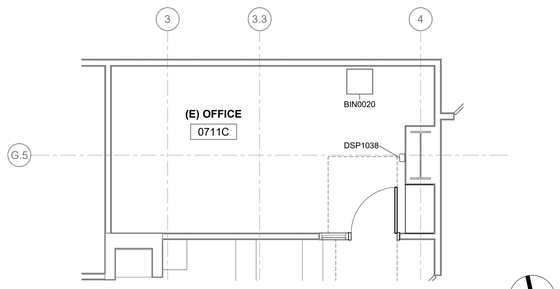
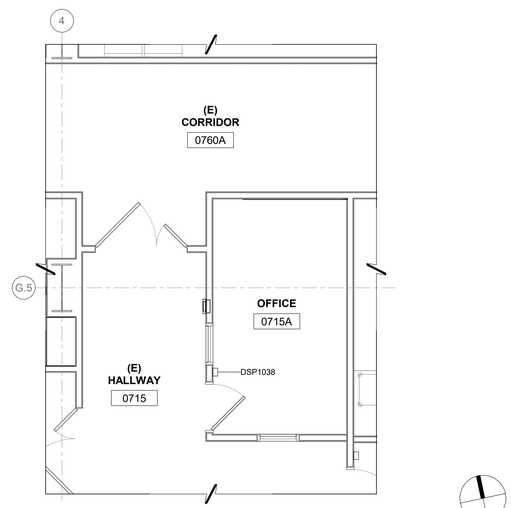
2. REFER TO MANUFACTURER RECOMMENDED INSTRUCTIONS FOR ADDITIONAL INFORMATION & SSD.
3. EQUIPMENT VENDOR TO COORDINATE WITH GC & OWNER IT FOR INSTALLATION OF WORKSTATION ACCESSORIES.
4. PROVIDE BACKING FOR ALL WALL MOUNTED EQUIPMENT, SEE DETAIL 15 / A9.03
5. COORDINATE LOCATIONS OF WALL MOUNTED ACCESSORIES, EQUIPMENT, FURNITURE, SIGNAGE & THEIR ASSOCIATED BACKING WITH POWER/DATA & THERMOSTATS UNIT LOCATIONS PRIOR TO INSTALLATION. 1
6. FOR EQUIPMENT ANCHORAGE SEE DETAIL 10/S4.00. 1

ACD001



18 ENLARGED EQUIPMENT PLAN - PHASE 2 - ROOM 0711C
1/4" = 1'-0"



20 ENLARGED EQUIPMENT PLAN - PHASE 2 - ROOM 0715A
1/4" = 1'-0"

1

1

1

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Designed By: Author	Issue Date: 06/12/2024	
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GRAPHIC SCALES: 1/16" = 1'-0" (0, 5', 50') | 1/8" = 1'-0" (0, 5', 25') | 1/4" = 1'-0" (0, 1', 12') | 1/2" = 1'-0" (0, 1', 6') | 3/4" = 1'-0" (0, 4') | 1" = 1'-0" (0, 1', 3') | 1 1/2" = 1'-0" (0, 2') | 3" = 1'-0" (0, 1")

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EQUIPMENT SCHEDULE

ACD001

EQUIPMENT CODE	RESPONSIBILITY CODE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MODEL NAME	OPTIONS	WIDTH	DEPTH	HEIGHT	MOUNTING TYPE (FIXED-WALL, FIXED-FLOOR, MOBILE, DESK/ COUNTERTOP)	SEISMIC ANCHORING	MOUNTING DETAIL	WEIGHT (LBS)	TELE/ DATA LINE	POWER	DEDICATED POWER/ CIRCUIT	EMERGENCY POWER	VOLTS	AMPS	WATTS	EQUIPMENT MONITORING	BIOMED	MEDICAL GAS: O2/ CO2/ N2/ N2O/ CA/ MA/ VAC	MECHANICAL EXHAUST	PLUMBING DRAIN	PLUMBING SUPPLY	EXISTING
BAL0028	OFOI	BALANCE, LAB, PRECISION	OHAUS CORPORATION	30100607			0"	0"	0"	COUNTER																	X
BCH0220	OFOI	BENCH, GOWNING	INTERMETRO INDUSTRIES CORP.	GB1636S	3LDK2		3' - 0"	1' - 4"	1' - 6"	FLOOR	No		48														
BIN0020	OFVI	BIN, SHREDDING, SECURE	SHRED-IT, INC.	MINI CONSOLE			1' - 8 1/4"	1' - 7 5/8"	2' - 2"	FLOOR	No																
C2 SAFE	OFCI	C2 VAULT	BD - BECTON, DICKINSON AND COMPANY	MED0149.			0"	0"	0"																		X
C-462198	OFCI	HOOD, HORIZONTAL LAMINAR FLOW	LABCONCO CORPORATION	3971686	3971686	RXPERT	2' - 5"	4' - 11 1/2"	6' - 0"	FLOOR	Yes		940	Yes	Yes	Yes	Yes	115				Yes		Yes			X
C-462741	OFCI	3 SINK, SCRUB, 1-BAY, STAINLESS STEEL	JUST MANUFACTURING	JPHADA2230-CT-J	JPHADA2230-CT-J		2' - 6"	1' - 10"	2' - 3"	WALL	No		106														
C-463577-E	OFCI	REFRIGERATOR, CUBIXX, EXISTING; R-134A GROUP A1 REFRIGERANT	CUBIXX	23CF UNIT	BKGM23		2' - 8"	2' - 5"	6' - 9"	FLOOR	Yes		254	Yes	Yes	Yes	Yes	115				Yes					X
C-463731	OFVI	KITCHECK, RFID, BLUE	BLUESIGHT		EXISTING BLUE UNIT		2' - 10"	1' - 11"	2' - 1"	COUNTER	No		112	Yes	Yes												X
C-463793	OFOI	CART, SUPPLY, ENCLOSED, KIT CHECK	KITCHECK	CDS-1010	CDS-1010		2' - 4"	1' - 10"	6' - 0"	MOBILE	<varies>		95														<varies>
C-463794	OFOI	CONVEYOR, PORTABLE, ACORDIAN	FMH CONVEYORS	376 AL/FL	376 AL/FL	376 AL/FL NESTAFLEX	1' - 6"	2' - 0"	2' - 6"	MOBILE	No		0									No					X
C-463795	OFOI	CART, SUPPLY, STAINLESS, 72 INCH	INTERMETRO INDUSTRIES CORP.	(5)2472FSI/(4)74UPS/(2)5MPGSA/(2)5MPBGSA	SUPER ERECTA SOLID SHELVES 72X24X74 (5-TIER)		6' - 0"	2' - 0"	6' - 2"	MOBILE	No		33														<varies>
CAROUSEL	OFCI	CAROUSEL	MEDISCA	MED0292			11' - 2 1/2"	7' - 0"	8' - 5"	FLOOR	Yes			Yes	Yes	Yes	Yes										<varies>
CPU	OFOII	COMPUTER	HP	HP ELITEDESK 800 G6			7 1/4"	1 1/4"	7"	COUNTER	No			Yes	Yes	Yes											
CTK0845	OFOI	CART / TRUCK, SOILED UTILITY	GLOBAL INDUSTRIAL EQUIPMENT COMPANY	WB501600	STANDARD TILT TRUCK (1 CU.YD./1000 LB CAPACITY)		2' - 11"	5' - 10"	3' - 5 1/2"	MOBILE	No		95									No					
DIS0351	OFOI	DISPOSAL, SHARPS, FLOOR BIN, PHARMACY	BD - BECTON, DICKINSON AND COMPANY	305071	305071 RCRA (BLACK, 17 GAL)		1' - 7 1/2"	1' - 2 1/4"	1' - 11 1/2"	FLOOR	No		8														
DSH0076	OFCI	DISHWASHER	MIELE INC.	6180805 1USA	PG 8080 (120V)		1' - 11 9/16"	2' - 9 5/16"	1' - 10 13/32"	FLOOR	Yes		130		Yes			120	15								
DSP1038	OFCI	DISPENSER, HAND SANITIZER, WALL MOUNT	ECOLAB HEALTHCARE NORTH AMERICA	92023093/92023106	NEXA CLASSIC MANUAL 92023093 (WHITE/8)		6 3/32"	3 31/32"	11 3/32"	WALL	No		2														
DSP1114	OFCI	DISPENSER, SHOE COVER / BOUFFANT CAPAUTOMATIC	BOOTIEBUTLER	KBLG-S	KBLG LARGE KINETICBUTLER AUTOMATIC SHOE		1' - 0 1/2"	2' - 5 1/4"	2' - 10 3/32"	FLOOR	No		50														
DSP1257	OFCI	DISPENSER, SOAP, WALL MOUNT	3M HEALTH CARE	9201						WALL																	
EQ26	OFOI	OR RACK 3					5' - 0"	2' - 2"	0"																		X
EQ60	OFOI	PRINTER-DTWR1631.10.194.9.10	HP				0"	0"	0"																		X
EQ62	OFOI	LABEL PRINTER-R110XI4 (ZEBRA)	ZEBRA				0"	0"	0"		No																X
EQ69	OFCI	PRINTER TABLE								FREESTANDING																	X
GRAB42	OFCI	1 42" GRAB BAR	BOBRICK	B-6806						WALL																	
GRAB48	OFCI	48" GRAB BAR	BOBRICK	B-6806						WALL																	
LBPRNT	OFCI	LABEL PRINTER	ZEBRA	ZD620			0"	0"	0"		No																
MED0173	OFCI	DISPENSER, MEDICATION, AUXILIARY	BD - BECTON, DICKINSON AND COMPANY	M4A8DO	PYXIS MEDSTATION 4000 DOUBLE COLUMN (8 DOORS)		4' - 4"	2' - 4"	6' - 8"	FLOOR	Yes		471	Yes	Yes	Yes	Yes	115				Yes					X
MED0285	OFVI	TYPICAL PROFILE 6-DRAWER UNIT WITH THREE PREMIUM DRAWERS. INCLUDES: BIO-ID.	CAREFUSION - PYXIS MEDICATION PRODUCTS		MEDSTATION 3500		1' - 10"	2' - 2"	4' - 6"	FLOOR	Yes		165.5	Yes	Yes	Yes	Yes	120									<varies>
MIR0031	OFCI	MIRROR, VANITY	BOBRICK WASHROOM EQUIPMENT, INC.	B-165 2436						WALL	No																
PAK0013	OFVI	WET REPACKAGER	MEDICAL PACKAGING, INC.	FLUIDOSE SERIES 5			4' - 0"	1' - 4"	2' - 0"	COUNTER	No																X
PAK0028	OFVI	PACKAGING SYSTEM, MEDS, UNIT DOSE, STRIP	MEDICAL PACKAGING, INC.	AUTO-PRINT II			3' - 0"	2' - 3"	2' - 0"	COUNTER	No		65		Yes			115									X
PRC1234	OFOI	CART, PROCEDURE, GENERAL	INTERMETRO INDUSTRIES CORP	FL36P						MOBILE	No																
PRINTER	OFCI	PRINTER, MULTI-FUNCTION	RICOH	IM C300F			1' - 7 1/2"	1' - 10"	1' - 8"	COUNTER	No		103.6	Yes	Yes	Yes			20			No					
REF011H	OFCI	FOLLET REFRIGERATOR - UNDER COUNTER; R404A GROUP A1	FOLLETT	959212	959212		18" - 7 1/4"	24" - 0"	18" - 0"	FLOOR	Yes		95	Yes	Yes	Yes	Yes	115									X
REF2247	OFCI	REFRIGERATOR, PHARMACEUTICAL, 1 DOOR; R600A GROUP A3 REFRIGERANT, 0.209 LB REFRIGERANT CHARGE	HELMER SCIENTIFIC	5115125-1	I.SERIES IPR125-GX (115V)		2' - 5 3/32"	3' - 4"	6' - 7 19/32"	FLOOR	Yes		517	Yes	Yes	Yes	Yes	115	2.8			Yes					
REF2247-E	OFCI	REFRIGERATOR CUBIXX, EXISTING; R29 GROUP A3 REFRIGERANT, 0.2425 LB REFRIGERANT CHARGE	CUBIXX	23CF UNIT	23CF UNIT		2' - 5 1/4"	2' - 11 1/2"	6' - 9"	FLOOR	No		0	Yes	Yes	Yes	Yes	0	0			Yes					
REF2741	OFCI	1 REFRIGERATOR; PHARMACEUTICAL, 2 DOOR; R600A GROUP A3 REFRIGERANT, 0.2425 LB REFRIGERANT CHARGE	HELMER SCIENTIFIC	5115256-1	I.SERIES IPR256-GX (115V)		4' - 11"	3' - 4"	6' - 7 19/32"	FLOOR	Yes		827	Yes	Yes	Yes	Yes	115	4.3			Yes					
SANDISP	OFCI	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270						WALL																	
SCDSP	CFCI	SEAT COVER DISPENSER	ASI	20477						WALL																	
SOAP DIS	CFCI	WALL MOUNTED SOAP DISPENSER	ECOLAB	DISPENSER: 9202-3000, DRIP TRAY: 9202-2993	NEXA COMPACT MANUAL DISPENSER					WALL	No																
SPC1515	OFOI	CART, SUPPLY, STAINLESS, 24 INCH	INTERMETRO INDUSTRIES CORP.	(5)2424FSI/(4)74UPS/(2)5MPGSA/(2)5MPBGSA	SUPER ERECTA SOLID SHELVES 24X24X74 (5-TIER)		2' - 0"	2' - 0"	6' - 1 31/32"	MOBILE	Yes		100														
SPC1516	OFCI	CART, SUPPLY, STAINLESS, 36 INCH	INTERMETRO INDUSTRIES CORP.	(5)2436FSI/(4)74UPS/(2)5MPGSA/(2)5MPBGSA	SUPER ERECTA SOLID SHELVES 36X24X74 (5-TIER)		3' - 0"	2' - 0"	6' - 1 31/32"	MOBILE	Yes		120														
SPC1517	OFOI	CART, SUPPLY, STAINLESS, 48 INCH	INTERMETRO INDUSTRIES CORP.	(5)2448FSI/(4)74UPS/(2)5MPGSA/(2)5MPBGSA	SUPER ERECTA SOLID SHELVES 48X24X74 (5-TIER)		4' - 0"	2' - 0"	6' - 1 29/32"	MOBILE	<varies>		145														<varies>
STL0187	OFOI	STOOL, HIGH, W/BACKREST	CUSTOM COMFORT MEDTEK	4070-CRB	CUSTOM COMFORT MEDTEK					MOBILE	No																
STORAGE	OFOI	COMPUTER-DT4R1626 DHCP		EQ61			0"	0"	0"																		X
SWISSLOG	OFCI	CARRIER, STORAGE	SWISSLOG	CARRIER STORAGE BUCK ASSEMBLY, CTS 30	56479301, 56478204	EN: 19188	1' - 1 5/8"	1' - 5"	5' - 6 3/8"	FLOOR	Yes											No					
TABLE	OFCI	TABLE, WORK, SS	LOGIQUIP, LLC	NEQ-09			5' - 0"	2' - 6"	2' - 10"	MOBILE	No			No	No	No	No				No	No	No	No	No	No	No	<varies>
TABLEX	OFCI	TABLE, WORK, SS	LOGIQUIP, LLC	NEQ-09																							X
TLPDSP	OFCI	DOUBLE TOILET ROLL HOLDER	KWC GROUP AG	EXOS676B						WALL																	
TWLDSP	OFCI	PAPER TOWEL DISPENSER								WALL																	
U.C. FRIDGE	OFCI	REFRIGERATOR, UNDERCOUNTER, FOLLETT, EXISTING								FLOOR																	X
WIRE RACK1	OFCI	CART, SUPPLY: STAINLESS, 48 INCH		2448FS	74UPS	5MPGSA & 5MPBGSA	2' - 0"	4' - 0"	6' - 2"	FREESTANDING			24														X
WIRE RACK2	OFOI	CART, SUPPLY: STAINLESS					0"	0"	0"																		X
WIRE RACK3	OFOI	CART, SUPPLY: STAINLESS					0"	0"	0"																		
WST0267	OFOI	WASTE CAN, RECYCLE	RUBBERMAID COMMERCIAL PRODUCTS	2027209712						FREESTANDING																	
WST0433-A	OFOI	WASTE CAN, STEP-ON (18 GAL. BEIGE)	CONTINENTAL COMMERCIAL PRODUCTS	18BE	CESS-A-18BE	18BE (18 GAL. BEIGE)	1' - 7 1/4"	1' - 4"	2' - 1"	FLOOR	No		11														
WTR0270	OFCI	WATER TREATMENT SYSTEM, PHARMACY DISPENSING	FILLMASTER SYSTEMS, LLC	3400	FILLMASTER 3400					SURFACE	No																

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UCD MEDICAL CENTER
DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
UCDH PROJECT NO. 9558910 SUB05

2315 STOCKTON BLVD
SACRAMENTO, CA 95817

FIRE ALARM SYSTEM

SCOPE OF WORK

DEMOLITION –

REMOVE EXISTING DEVICES IN AREAS OF WORK. LEAVE EXISTING BACKBOXES AND TIE WIRE TOGETHER FOR CONTINUATION OF CIRCUITS IN OUT OF SCOPE AREAS DURING CONSTRUCTION.

NEW –

INSTALL NEW NOTIFICATION DEVICES AS SHOWN.

WIRING CLASS

SLC – CLASS A
NAC – CLASS B
IDC – CLASS B

PATHWAY SURVIVABILITY

PATHWAY SURVIVABILITY LEVEL 1

INSTALLATION NOTES

1. CONDUIT KNOCKOUTS ARE PROVIDED ON ALL MANUFACTURER'S PROVIDED BACK BOXES. DO NOT ENLARGE OR CHANGE LOCATION OF CONDUIT ENTRY WITHOUT PRIOR APPROVAL OF INDUSTRIAL ELECTRONIC SYSTEMS, INC.
2. ADDRESSABLE DEVICES ARE TO BE LABELED WITH BRADY (OR EQUAL) LABELS THAT INCLUDE SLC DEVICE ADDRESS. NOTIFICATION APPLIANCES ARE NOT TO BE LABELED.
3. ALL SIGNAL DEVICES AND AUDIBLE/VISUAL CIRCUITS ARE CONTINUOUS FROM DEVICE TO DEVICE. NO SPLICES OR INTERIM CIRCUIT CONNECTIONS SHALL BE MADE. ANY SPLICES REQUIRED AT ANY DEVICE WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR PRIOR TO SCHEDULING INSTALL.
4. STANDARD CONTROL PANEL, TERMINAL BOXES, ETC. MOUNTING IS 6' TO TOP OF DEVICE U.O.N.
5. FIGURES ADJACENT TO ANY INITIATING DEVICE INDICATE FIRE LOOP AND DEVICE ADDRESS NUMBER. REFER TO LABEL DESCRIPTIONS AND SYMBOL LIST.
6. ALL RISER AND FLOOR PLAN WIRING LAYOUTS ARE SHOWN DIAGRAMMATICALLY. ALL DEVICES ARE TO BE PLACED AS NEAR TO LOCATION AS SHOWN ON PLAN U.O.N.
7. LOCATION OF DETECTORS THAT ACTIVATE DOOR HOLDERS ARE TO BE PLACED NO MORE THAN 5' FROM CENTER OF DOORWAY AS TO CONFORM TO NFPA 72, 17.7.5.6.6.1 (1–3)
8. DETECTORS ARE NOT TO BE LOCATED WHERE AIRFLOW PREVENTS OPERATION OF THE DETECTORS IN ACCORDANCE WITH NFPA 72, 17.7.4.1, AND SHALL NOT BE PLACED WHERE RETURN AIR MOVEMENT SHALL EXCEED THE MANUFACTURER'S RECOMMENDATION AS TO EFFECT THE OPERATION OF THE SMOKE DETECTOR. THE NFPA 72 APPENDIX RECOMMENDS THAT THE DETECTORS SHOULD NOT BE LOCATED IN DIRECT AIRFLOW OR CLOSER THAN 36" FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
9. THROUGH PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER AND SHALL HAVE AN F RATING OF NOT LESS THAN THE REQUIRED FIRE–RESISTANCE RATING OF THE WALL PENETRATED PER CBC, 714.4.1.2.
10. THE OPERABLE PART OF A MANUALLY ACTUATED ALARM–INITIATING DEVICE SHALL BE NOT LESS THAN 42 IN. AND NOT MORE THEN 48 IN. FROM THE FINISHED FLOOR IN ACCORDANCE WITH NFPA 72, 17.14.5
11. MOUNT ALL WALL MOUNTED NOTIFICATION APPLIANCES SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE THE FINISHED FLOOR.
12. CONNECT FIRE ALARM PANEL TO DEDICATED CIRCUIT (20 AMP BREAKER).
13. REVIEW SEQUENCE OF SYSTEM OPERATION ON SEQUENCE MATRIX.
14. THE VISUAL DEVICES ON THIS JOB ARE SYNCHRONIZED.
15. DO NOT SPLICE CONDUCTORS IN JUNCTION BOX. CONDUCTORS ARE TO BE PULLED THROUGH TO THE NEXT DEVICE.
16. CONDUCTORS ARE TO BE PROTECTED FROM ALL FINISHING TEXTURES; INCLUDING PAINT, PLASTER, CONCRETE, ETC.
17. CONDUIT FILL IS TO BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE CHAPTER 9 TABLE 4 ARTICLE 358 AND IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
18. THE CONDUIT AND PATHWAYS SHOWN ON DRAWINGS SHOW THE GENERAL RUN AND CONNECTIONS AND MAY OR MAY NOT IN ALL PARTS BE SHOWN IN IT'S EXACT POSITION. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING THE PIPING SUITABLE IN EVERY RESPECT FOR THE WORK. PIPING SHALL BE INSTALLED SO THAT ACCESS, CLEARANCE, HEADROOM, AND PITCH ARE MAINTAINED.
19. BATTERY BACKUP CALCULATIONS ARE 24 HOURS STANDBY AND 5 MINUTES ALARM.

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BUILDING INFORMATION

TYPE OF EXISTING CONSTRUCTION: TYPE 1
NUMBER OF FLOORS: 13 ABOVE GRADE
NUMBER OF BASEMENTS: 1
FULLY SPRINKLERED BUILDING: YES
EXISTING OCCUPANCY GROUP: I–2, HOSPITAL
NEW OCCUPANCY GROUP: NO CHANGE
NPC RATING ((E) HOSPITAL): 4
SPC RATING ((E) HOSPITAL): 5S
YEAR BUILT: 2001
HCAI FACILITY NUMBER: 10619

CONDUIT FILL CHART

CONDUIT SIZE	MAXIMUM CONDUCTOR AREA EMT (SQ. IN.)	MAXIMUM CONDUCTOR AREA PVC (SQ. IN.)
1/2"	0.122	0.114
3/4"	0.213	0.203
1"	0.346	0.333
1–1/4"	0.598	0.581
1–1/2"	0.814	0.794
2"	1.342	1.316

STANDARDS & CODES

2022 CALIFORNIA ADMINISTRATIVE CODE – PART 1, TITLE 24, CCR
2022 CALIFORNIA BUILDING CODE – PART 2, TITLE 24, CCR
2022 CALIFORNIA ELECTRICAL CODE – PART 3, TITLE 24, CCR
2022 CALIFORNIA MECHANICAL CODE – PART 4, TITLE 24, CCR
2022 CALIFORNIA FIRE CODE – PART 9, TITLE 24, CCR

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE, 2022 EDITION

AMERICANS WITH DISABILITIES ACT (ADA)

2022 OSHPD CODE APPLICATION NOTICES – CAN 1–0, CAN 2–0, CAN 2–703.2

CONFORMANCE NOTES

THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA STATE ELECTRICAL CODE, ARTICLE 760.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN PRESENCE OF THE ENFORCING AGENCY.

INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS & SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION.

LABEL DESCRIPTIONS

SLC

N 1 L 1 D 01
NODE # | LOOP # | DEVICE TYPE | DEVICE #
D = DETECTOR
M = MONITOR

NAC

N 1 . 1 - 1
CIRCUIT TYPE | FLOOR # | CIRCUIT # | DEVICE #
N = VISUAL
S = SPEAKER

TABLE OF CONTENTS

SHEET	DESCRIPTION
FA–001	FIRE ALARM COVER SHEET
FA–002	FIRE ALARM SEQUENCE OF OPERATIONS MATRIX
FA–100	FIRE ALARM OVERALL PHASING PLAN
FA–200	FIRE ALARM PARTIAL BASEMENT FLOOR PLAN – MAKE READY – PHASE 1
FA–201A	FIRE ALARM PARTIAL BASEMENT FLOOR PLAN – PHASE 1
FA–201B	NOT USED ACD–001
FA–202	FIRE ALARM PARTIAL BASEMENT FLOOR PLAN – PHASE 2
FA–203	NOT USED ACD–001
FA–300	FIRE ALARM DETAILS SHEET
FA–400	FIRE ALARM VOLTAGE DROPS AND BATTERY CALCULATIONS, AND RISER DIAGRAM

FIRE ALARM SYSTEM CABLE/WIRE LIST

SYMBOL	DESCRIPTION	TYPE	MODEL	NOM. O.D. (INCHES)	MANUFACTURER
A	SLC DATA LOOP – RED/BLK (SOLID)	2#18	D980	0.196	WEST PENN OR EQUAL
B	ANNUNCIATOR DATA – RED/BLK (SOLID/SHIELDED)	2#18	975	0.150	WEST PENN OR EQUAL
DAL	DIGITAL AUDIO LOOP – RED/BLK (SOLID)	2#16	D980	0.196	WEST PENN OR EQUAL
DH	DOOR HOLDER POWER – RED/BLK (STRANDED)	2#18	TFFN	(2) 0.084	AS REQUIRED
N	NOTIFICATION CIRCUIT – RED/BLK (STRANDED)	2#12	THHN/THWN	(2) 0.130	AS REQUIRED
S	SPEAKER CIRCUIT – RED/BLK (SOLID/SHIELDED)	2#16	991	0.172	WEST PENN OR EQUAL
SY	SYNC CIRCUIT – RED/BLK (STRANDED)	2#14	THHN/THWN	(2) 0.111	AS REQUIRED

AS–BUILT CONDUIT AND WIRING RUNS, CHASES, ETC TO BE PROVIDED BY ELECTRICAL CONTRACTOR AT END OF JOB TO BE PLACED ON RECORD AS–BUILTS
2A INDICATES TWO 'A' TYPE WIRE, 3A INDICATES THREE 'A' TYPE WIRE (TYPICAL)
ALL WIRING TO BE FREE OF GROUNDS, SHORTS, & OPENS PRIOR TO TURNING OVER TO IESI
ALL CONDUIT TO BE 3/4" UNLESS OTHERWISE NOTED

FIRE ALARM SYSTEM LINE LIST

SYMBOL	DESCRIPTION
———	NEW CONDUIT
– – – –	EXISTING CONDUIT
——— UG ——— UG ——— UG ——— UG ——— UG ———	EXISTING IN–SLAB BELOW CONDUIT
– – – –	1 HOUR RATED WALL
– · – · –	2 HOUR RATED WALL
——— – ——— – ———	SCOPE OF WORK LINE

FIRE ALARM SYSTEM SYMBOL LIST

QTY.	SYMBOL	DESCRIPTION	MODEL	MANUFACTURER	CSFM #	ELECTRICAL REQUIRED	DETAIL SHEET #
		NEW DEVICES					
4		WALL MOUNT MULTI–CANDELA SPEAKER/STROBE	ET70–24MCW–FR	WHEELOCK	7125–0785:0152	4S DEEP BOX WITH 4S EXTENSION	SHEET FA–300 DETAIL # 3, 4
		DEVICE TO BE REMOVED					
1	(EX)	WALL MOUNT MULTI–CANDELA STROBE	E70–241575W–FR	WHEELOCK	7125–0785:0145	4S DEEP BOX WITH 1.5" EXT. RING	SHEET N/A DETAIL N/A
		REFERENCE DEVICES					
–	FACU (E)	EXISTING FIRE ALARM CONTROL PANEL	NFS2–3030	NOTIFIER	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	FAT (E)	EXISTING FIRE ALARM TRANSPONDER	XP–SERIES	NOTIFIER	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	NAC (E)	EXISTING FIRE ALARM NOTIFICATION PANEL	FCPS–24	NOTIFIER	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	EPS (E)	EXISTING DOOR HOLDER POWER SUPPLY PANEL	FCPS–24	NOTIFIER	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	P (E)	EXISTING PHOTOELECTRIC SMOKE DETECTOR EXISTING DETECTOR BASE	VARIOUS	NOTIFIER	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	ISO (E)	EXISTING PHOTOELECTRIC SMOKE DETECTOR EXISTING ISOLATOR BASE	VARIOUS	NOTIFIER	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	H (E)	EXISTING HEAT DETECTOR EXISTING DETECTOR BASE	VARIOUS	NOTIFIER	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	RB (E)	EXISTING HEAT DETECTOR EXISTING RELAY BASE	VARIOUS	NOTIFIER	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	M (E)	EXISTING MANUAL PULL STATION	VARIOUS	NOTIFIER	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	DH (E)	EXISTING DOOR HOLDER	FM998	NOTIFIER	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	SW (E)	EXISTING WALL MULTI–CANDELA SPEAKER/STROBE	VARIOUS	WHEELOCK	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	(E)	EXISTING WALL MULTI–CANDELA STROBE	VARIOUS	WHEELOCK	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	(E)	EXISTING FSD RELEASE RELAY MODULE	VARIOUS	NOTIFIER	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	(E)	EXISTING FSD CLOSED MONITOR MODULE	VARIOUS	NOTIFIER	EXISTING	EXISTING	SHEET N/A DETAIL N/A
–	(E)	EXISTING FIRE SMOKE DAMPER	F.B.O.	F.B.O.	F.B.O.	F.B.O.	SHEET N/A DETAIL N/A
–	JB (E)	EXISTING JUNCTION BOX	F.B.O.	F.B.O.	F.B.O.	F.B.O.	SHEET N/A DETAIL N/A

* NOTE: NUMBER NEXT TO VISUAL DEVICES DENOTES CANDELA
** NOTE: NUMBER NEXT TO "W" DENOTES DEVICE WATTAGE. DEVICE SET TO 1/2W UNLESS OTHERWISE NOTED.

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CCL # 443097

SYSTEM:
FIRE ALARM

AGENCY APPROVAL:

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DRAWINGS PREPARED FOR:

EDGE ELECTRICAL CONSULTING

1801 7TH STREET SUITE 150
SACRAMENTO, CA 95811

PROJECT:
UCD MEDICAL CENTER
DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
UCDH PROJECT NO. 9558910 SUB05

2315 STOCKTON BLVD
SACRAMENTO, CA 95817

REGISTERED PROFESSIONAL ENGINEER – No. E 018416 – ELECTRICAL – STATE OF CALIFORNIA
07/03/2025

REVISIONS:

REV	DESCRIPTION	DATE
1	HCAI BACKCHECK	09/16/2024
3	HCAI BACKCHECK 2	12/13/2024
ACD-001	SCOPE REDUCTION	07/03/2025

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LICENSED ELECTRICAL CONTRACTOR – INDUSTRIAL ELECTRIC SYSTEMS – CLASSIFICATION C-7/C-10/C-16 – LICENSE NO. 443097 – STATE OF CALIFORNIA

JOB NO: 3769
DATE: 05/01/2024
SCALE: NONE
DRAWN BY: JB
CHECKED BY: SS
PROJECT MANAGER: RD

SHEET TITLE:
COVER SHEET

SHEET NO. FA-001
SHEET 1 OF 9
DWG 3769_FA_R03

FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS MATRIX

UCD UC DAVIS MEDICAL CENTER MC

DAVIS TOWER

SYSTEM OUTPUTS		SYSTEM INPUTS	FIRE ALARM SIGNALS								SUPERVISORY SIGNALS											TROUBLE SIGNALS						OTHER
			AREA SMOKE DETECTOR	ELEVATOR LOBBY SMOKE DETECTOR OTHER THAN FIRST FLOOR	PATIENT ROOM SMOKE DETECTOR	PATIENT TOILET ROOM HEAT DETECTOR	SMOKE DETETOR IN DOCTOR/STAFF SLEEP ROOM	MANUAL PULL STATION	FIRE SPRINKLER WATERFLOW SWITCH	AFFF PANEL SYSTEM ALARM SIGNAL	DUCT SMOKE DETECTORS	DUCT MOUNTED DETECTORS AT SHAFT OR OTHER LOCATIONS	FIRE SPRINKLER TAMPER VALVE OFF NORMAL	ERRCS SYSTEM LOSS OF AC POWER	ERRCS SYSTEM BATTERY CHARGER FAILURE	ERRCS SYSTEM DONOR ANTENNA MALFUNCTION	ERRCS SYSTEM RF-EMITTING DEVICE FAILURE	ERRCS SYSTEM LOW BATTERY (<70%)	ERRCS SYSTEM COMPONENT FAILURE	ERRCS SYSTEM RF-EMITTING DEVICE(S) OSCILLATION	AFFF PANEL SYSTEM SUPERVISORY SIGNAL	FIRE ALARM SYSTEM LOW BATTERY	LOSS OF AC POWER	GROUND FAULT	OPEN CIRCUIT	NOTIFICATION APPLIANCE SHORT CIRCUIT	AFFF PANEL SYSTEM TROUBLE SIGNAL	MANUAL ACTIVATION OF VOICE ALARM AT CONTROL CENTER
			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
ANNUNCIATE FIRE ALARM SIGNAL AT LOCAL FIRE ALARM CONTROL PANEL, FIRE COMMAND AND ANNUNCIATORS	1		●	●	●	●	●	●	●	●																		
TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION (CALL FIRE DEPT. TRUCKS)	2		●	●	●	●	●	●	●	●																		
ANNUNCIATE APPROPRIATE LIGHT ON GRAPHIC PANEL	3		●	●	●	●	●	●	●		●	●	●									●	●	●	●	●		
ACTIVATE STAFF NOTIFICATION FIRE CHIME TONE THROUGH SPEAKERS	4		●	●	●	●	●	●	●	●																		
ACTIVATE VISIBLE STROBE CIRCUIT FOR STAFF NOTIFICATION	5		●	●	●	●	●	●	●	●																		
ACTIVATE SPEAKER CIRCUITS FOR LIVE VOICE MESSAGE	6																											●
RELEASE FIRE DOORS TO CLOSE BY FLOOR	7		●	●	●	●	●				●	●																
RECALL ELEVATOR TO FIRST FLOOR	8			●																								
ANNUNCIATE PATIENT ROOM FIRE ALARM SIGNAL AT ASSOCIATED NURSE'S STATION ANNUNCIATOR	9				●	●																						
ACTIVATE PATIENT LIGHT OUTSIDE OF PATIENT ROOM	10				●	●																						
ACTIVATE LOCAL ONLY AUDIBLE ALARM IN DOCTOR/STAFF SLEEP ROOM	11						●																					
SHUTDOWN AIR HANDLER UNITS BY FLOOR	12		●	●	●	●	●				●	●																
SHUTDOWN ASSOCIATED FIRE/SMOKE DAMPER ON AHU SUPPLY AND EXHAUST BY FLOOR	13		●	●	●	●	●				●	●																
ACTIVATE STAIR PRESSURIZATION FANS	14		●	●	●	●	●				●	●																
ANNUNCIATE SUPERVISORY SIGNAL AT LOCAL FIRE ALARM CONTROL PANEL, FIRE COMMAND AND ANNUNCIATORS	15										●	●	●	●	●	●	●	●	●	●	●							
TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION (NOTIFY CENTRAL STATION ONLY)	16										●	●	●	●	●	●	●	●	●	●	●							
ANNUNCIATE TROUBLE SIGNAL AT LOCAL FIRE ALARM CONTROL PANEL, FIRE COMMAND AND ANNUNCIATORS	17																					●	●	●	●	●	●	
TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION (NOTIFY CENTRAL STATION ONLY)	18																					●	●	●	●	●	●	

EXISTING CROSS-TRIP ACTIVATIONS OF NOTIFICATION THROUGHOUT THE HOSPITAL WILL BE MAINTAINED THROUGHOUT THIS PROJECT.

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CCL # 443097

SYSTEM:

FIRE ALARM

RISK CATEGORY ASSIGNED PER THE REQUIREMENTS OF T24, CCR

AGENCY APPROVAL:

APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DRAWINGS PREPARED FOR:

EDGE ELECTRICAL CONSULTING

1801 7TH STREET SUITE 150
SACRAMENTO, CA 95811

PROJECT:
UCD MEDICAL CENTER
DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
UCDH PROJECT NO. 9558910 SUB05

2315 STOCKTON BLVD
SACRAMENTO, CA 95817

STATE OF CALIFORNIA — No. E 018416 — ELECTRICAL — 12/18/2024

REVISIONS:

REV	DESCRIPTION	DATE
1	HCAI BACKCHECK	09/16/2024
3	HCAI BACKCHECK 2	12/13/2024

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LICENSED ELECTRICAL CONTRACTOR — CLASSIFICATION C-7/C-10/C-16 — LICENSE NO. 443097 — STATE OF CALIFORNIA

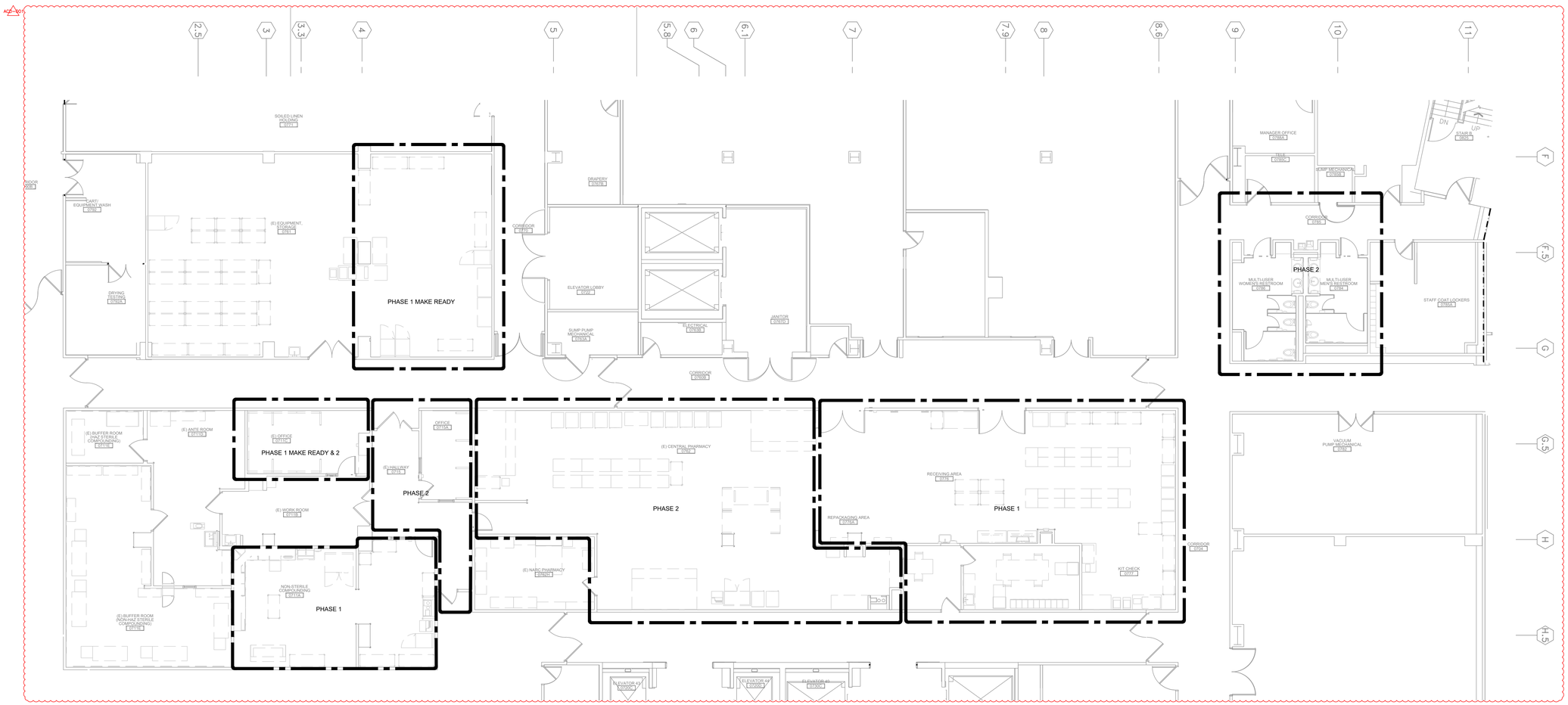
JOB NO:	3769
DATE:	05/01/2024
SCALE:	NONE
DRAWN BY:	JB
CHECKED BY:	SS
PROJECT MANAGER:	RD

SHEET TITLE:
SEQUENCE OF OPERATIONS MATRIX

SHEET NO. FA-002 (1)

SHEET 1 OF 9

DWG 3769_FA_R02

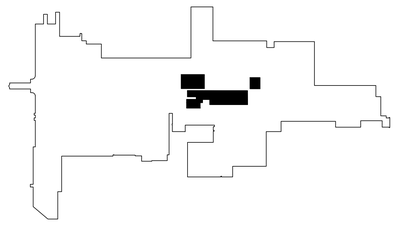


PARTIAL FLOOR PLAN
OVERALL PHASING PLAN

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

SCALE BAR: 1/8" = 1'-0"



KEYPLAN

SCALE: NTS

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CCL # 443097

SYSTEM:

FIRE ALARM

AGENCY APPROVAL:

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DRAWINGS PREPARED FOR:

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07/03/2025

REVISIONS:

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ACD-001	SCOPE REDUCTION	07/03/2025

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JOB NO:	3769
DATE:	05/01/2024
SCALE:	1/8" = 1'-0"
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PROJECT MANAGER:	RD

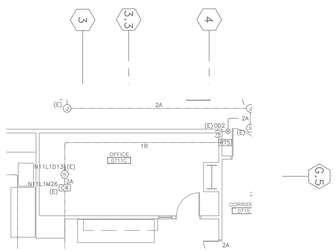
SHEET TITLE:

OVERALL PHASING PLAN

SHEET NO. FA-100

SHEET 2 OF 9

DWG 3769_FA_R03



PARTIAL FLOOR PLAN - DEMO -
PHASE 1 - MAKE READY - ROOM 0711C

SCALE: 1/8" = 1'-0"

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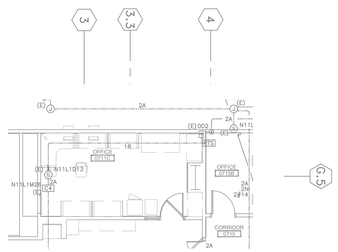
SCALE BAR: 1/8" = 1'-0"



PARTIAL FLOOR PLAN - NEW -
PHASE 1 - MAKE READY - ROOM 0711C

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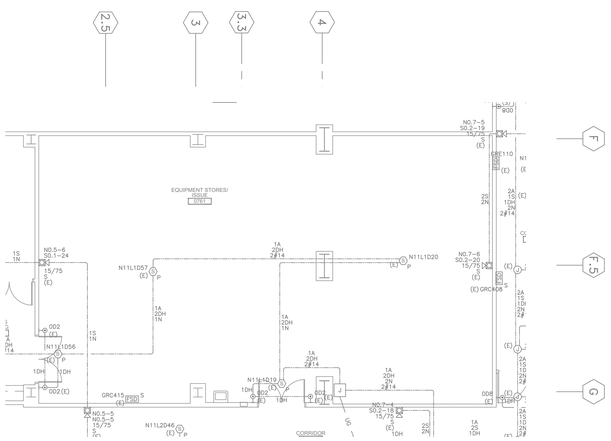
SCALE BAR: 1/8" = 1'-0"



PARTIAL FLOOR PLAN
PHASE 1 - MAKE READY - ROOM 0761C

SCALE: 1/8" = 1'-0"

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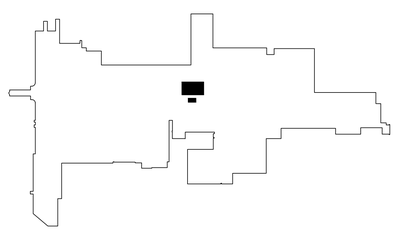
SCALE BAR: 1/8" = 1'-0"



KEYPLAN

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Industrial Electronic Systems
SECURITY & FIRE ALARM PROTECTION
3250 MONIER CIRCLE, SUITE F
RANCHO CORDOVA, CA 95742
(916) 638-1000 | www.iesi.net | service@iesi.net
CCL # 443097

SYSTEM:

FIRE ALARM
RETROFIT ACCESS CONTROL WITH
THE REQUIREMENTS OF T24, CCR

AGENCY APPROVAL:

APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DRAWINGS PREPARED FOR:

EDGE
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

PROJECT:
UCD MEDICAL CENTER
DAVIS TOWER #0711 &
0762 PHARMACY
REMODEL
UCDH PROJECT NO.
9558910 SUB05

2315 STOCKTON BLVD
SACRAMENTO, CA 95817

LICENSED FIRE ALARM SYSTEMS CONTRACTOR
No. E 0164767
01/31/2025

REVISIONS:

REV	DESCRIPTION	DATE
1	HCAI BACKCHECK	09/16/2024
3	HCAI BACKCHECK 2	12/13/2024

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LICENSED ELECTRICAL CONTRACTOR
CLASSIFICATION
C-7/C-10/C-16
LICENSE NO.
443097
STATE OF CALIFORNIA

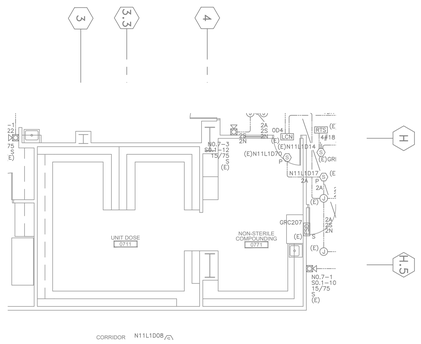
JOB NO:	3769
DATE:	05/01/2024
SCALE:	1/8" = 1'-0"
DRAWN BY:	JB
CHECKED BY:	SS
PROJECT MANAGER:	RD

SHEET TITLE:
PARTIAL BASEMENT
FLOOR PLAN
MAKE READY - PHASE 1

SHEET NO.
FA-200

SHEET
3 OF 9

DWG
3769_FA_R02

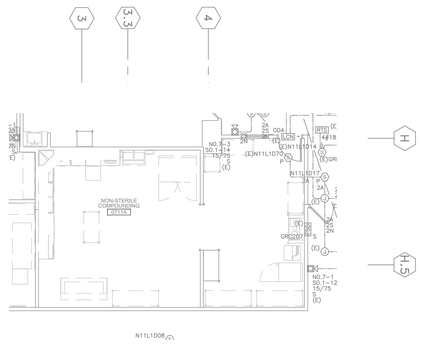


PARTIAL FLOOR PLAN - DEMO - PHASE 1 - ROOM 0711A

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

SCALE BAR: 1/8" = 1'-0"



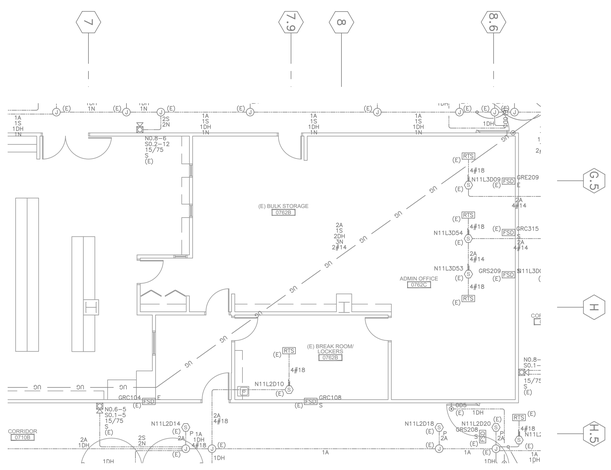
PARTIAL FLOOR PLAN - NEW - PHASE 1 - ROOM 0711A

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

SCALE BAR: 1/8" = 1'-0"

ACD-001

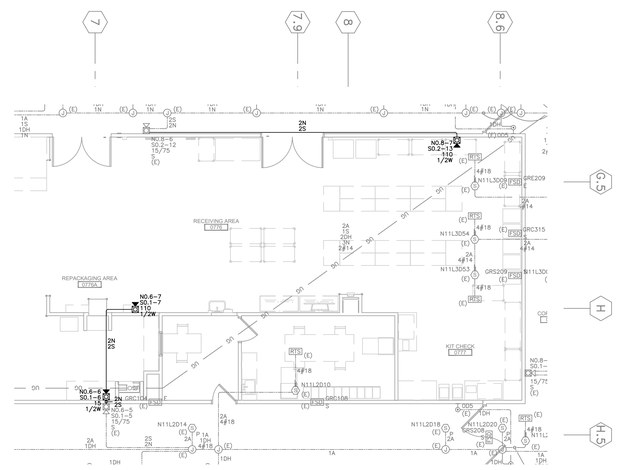


PARTIAL FLOOR PLAN - DEMO PHASE 1 - RECEIVING AREA

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

SCALE BAR: 1/8" = 1'-0"

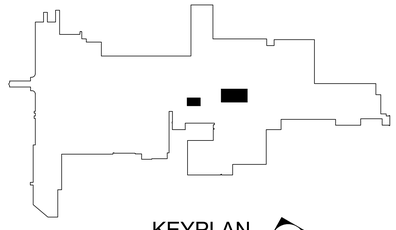


PARTIAL FLOOR PLAN - NEW PHASE 1 - RECEIVING AREA

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

SCALE BAR: 1/8" = 1'-0"



KEYPLAN

SCALE: NTS

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PLOT DATE: 7/2/2025 4:09:03 PM

Industrial Electronic Systems
SECURITY & FIRE ALARM PROTECTION
3250 MONIER CIRCLE, SUITE F
RANCHO CORDOVA, CA 95742
(916) 638-1000 | www.iesi.net | service@iesi.net
CCL # 443097

SYSTEM:

FIRE ALARM

AGENCY APPROVAL:

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DRAWINGS PREPARED FOR:

EDGE ELECTRICAL CONSULTING

1801 7TH STREET SUITE 150
SACRAMENTO, CA 95811

PROJECT:

UCD MEDICAL CENTER
DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
UCDH PROJECT NO. 9558910 SUB05

2315 STOCKTON BLVD
SACRAMENTO, CA 95817

REGISTERED PROFESSIONAL ENGINEER — MARK KEITH KING — No. E 018416 — ELECTRICAL — STATE OF CALIFORNIA
07/03/2025

REVISIONS:

REV	DESCRIPTION	DATE
1	HCAI BACKCHECK	09/16/2024
3	HCAI BACKCHECK 2	12/13/2024
ACD-001	SCOPE REDUCTION	07/03/2025

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LICENSED ELECTRICAL CONTRACTOR — CLASSIFICATION C-7/C-10/C-16 — LICENSE NO. 443097 — STATE OF CALIFORNIA

JOB NO:	3769
DATE:	05/01/2024
SCALE:	1/8" = 1'-0"
DRAWN BY:	JB
CHECKED BY:	SS
PROJECT MANAGER:	RD

SHEET TITLE:

PARTIAL BASEMENT FLOOR PLAN PHASE 1

SHEET NO. FA-201A

SHEET 4 OF 9

DWG 3769_FA_R03

ACD-001

SCOPE PHASE REVISED
SHEET NO LONGER NEEDED

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PLOT DATE: 7/2/2025 4:09:04 PM

Industrial Electronic Systems
SECURITY & FIRE ALARM PROTECTION
3250 MONIER CIRCLE, SUITE F
RANCHO CORDOVA, CA 95742
(916) 638-1000 | www.iesi.net | service@iesi.net
CCL # 443097

SYSTEM:

FIRE ALARM

AGENCY APPROVAL:

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DRAWINGS PREPARED FOR:

EDGE ELECTRICAL CONSULTING

1801 7TH STREET SUITE 150
SACRAMENTO, CA 95811

PROJECT:

UCD MEDICAL CENTER
DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
UCDH PROJECT NO. 9558910 SUB05

2315 STOCKTON BLVD
SACRAMENTO, CA 95817

REGISTERED PROFESSIONAL ENGINEER
No. E 018416
ELECTRONICAL
STATE OF CALIFORNIA
07/03/2025

REVISIONS:

REV	DESCRIPTION	DATE
1	HCAI BACKCHECK	09/16/2024
3	HCAI BACKCHECK 2	12/13/2024
ACD-001	SCOPE REDUCTION	07/03/2025

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LICENSED ELECTRICAL CONTRACTOR
INDUSTRIAL ELECTRONIC SYSTEMS
CLASSIFICATION
C-7/C-10/C-1
LICENSE NO.
443097
STATE OF CALIFORNIA

JOB NO:	3769
DATE:	05/01/2024
SCALE:	1/8" = 1'-0"
DRAWN BY:	JB
CHECKED BY:	SS
PROJECT MANAGER:	RD

SHEET TITLE:

NOT USED

ACD-001

SHEET NO.

FA-201B

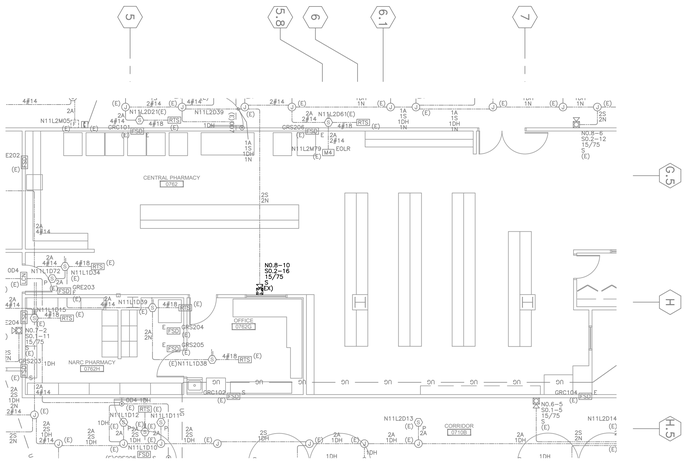
SHEET

5 OF 9

DWG

3769_FA_R03

ACD-001

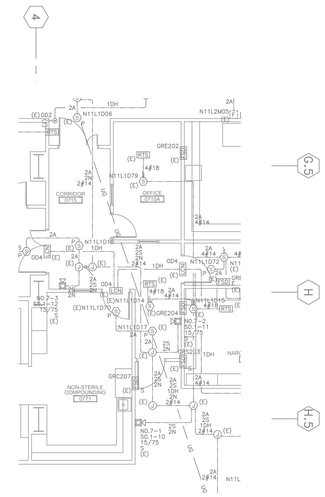


PARTIAL FLOOR PLAN - DEMO - PHASE 2

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

SCALE BAR: 1/8" = 1'-0"

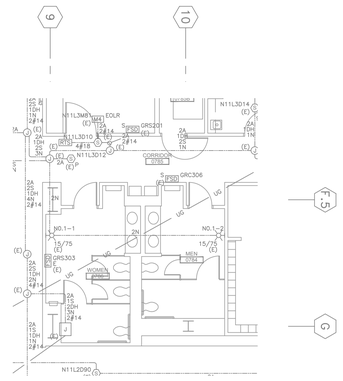


PARTIAL FLOOR PLAN - DEMO - PHASE 2 - CORRIDOR

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

SCALE BAR: 1/8" = 1'-0"



PARTIAL FLOOR PLAN - DEMO - PHASE 2 - MULTI-USER RESTROOM

SCALE: 1/8" = 1'-0"

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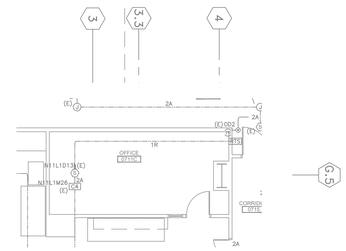
SCALE BAR: 1/8" = 1'-0"

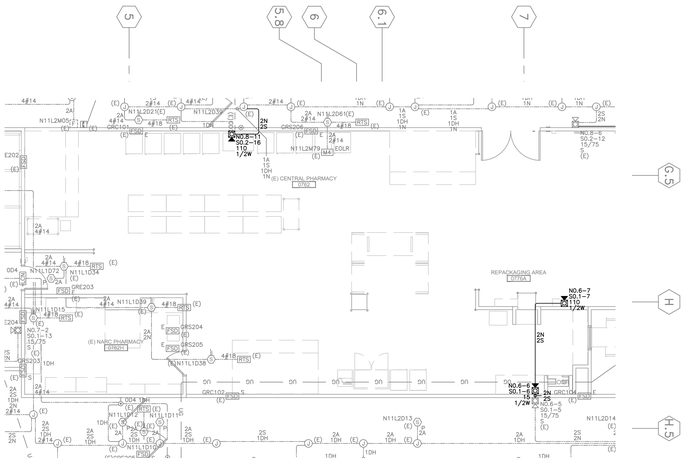


PARTIAL FLOOR PLAN - DEMO - PHASE 2 - ROOM 0711C

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

SCALE BAR: 1/8" = 1'-0"



PARTIAL FLOOR PLAN - NEW - PHASE 2

SCALE: 1/8" = 1'-0"

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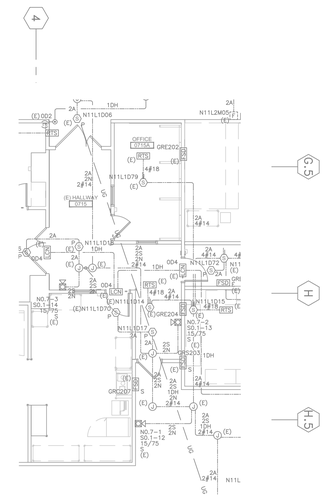
SCALE BAR: 1/8" = 1'-0"

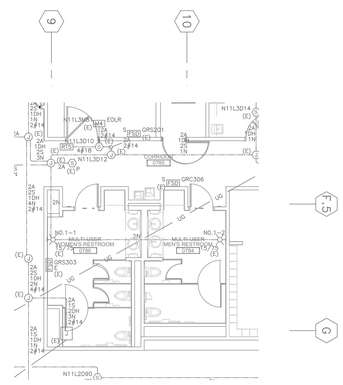


PARTIAL FLOOR PLAN - NEW - PHASE 2 - CORRIDOR

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

SCALE BAR: 1/8" = 1'-0"

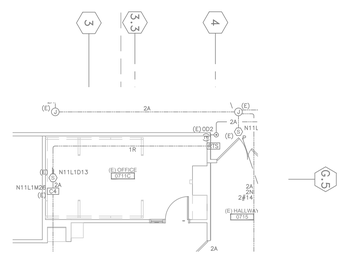


PARTIAL FLOOR PLAN - NEW - PHASE 2 - MULTI-USER RESTROOM

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

SCALE BAR: 1/8" = 1'-0"

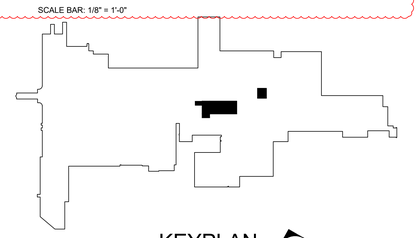


PARTIAL FLOOR PLAN - NEW - PHASE 2 - ROOM 0711C

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

SCALE BAR: 1/8" = 1'-0"



KEYPLAN

SCALE: NTS

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PLOT DATE: 7/2/2025 4:09:08 PM

Industrial Electronic Systems
SECURITY & FIRE ALARM PROTECTION
3250 MONIER CIRCLE, SUITE F
RANCHO CORDOVA, CA 95742
(916) 638-1000 | www.iesi.net | service@iesi.net
CCL # 443097

SYSTEM:

FIRE ALARM

AGENCY APPROVAL:

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DRAWINGS PREPARED FOR:

EDGE ELECTRICAL CONSULTING

1801 7TH STREET SUITE 150
SACRAMENTO, CA 95811

PROJECT:

UCD MEDICAL CENTER
DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
UCDH PROJECT NO. 9558910 SUB05

2315 STOCKTON BLVD
SACRAMENTO, CA 95817

STATE OF CALIFORNIA — ELECTRICAL — No. E 018416 — REGISTERED PROFESSIONAL ENGINEER
07/03/2025

REVISIONS:

REV	DESCRIPTION	DATE
1	HCAI BACKCHECK	09/16/2024
3	HCAI BACKCHECK 2	12/13/2024
ACD-001	SCOPE REDUCTION	07/03/2025

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LICENSED ELECTRICAL CONTRACTOR — STATE OF CALIFORNIA
CLASSIFICATION C-7/C-10/C-16
LICENSE NO. 443097

JOB NO:	3769
DATE:	05/01/2024
SCALE:	1/8" = 1'-0"
DRAWN BY:	JB
CHECKED BY:	SS
PROJECT MANAGER:	RD

SHEET TITLE:

PARTIAL BASEMENT FLOOR PLAN PHASE 2

SHEET NO. FA-202

SHEET 6 OF 9

DWG 3769_FA_R03

ACD-001

SCOPE PHASE REVISED
SHEET NO LONGER NEEDED

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PLOT DATE: 7/2/2025 4:09:08 PM

Industrial Electronic Systems
SECURITY & FIRE ALARM PROTECTION
3250 MONIER CIRCLE, SUITE F
RANCHO CORDOVA, CA 95742
(916) 638-1000 | www.iesi.net | service@iesi.net
CCL # 443097

SYSTEM:

FIRE ALARM

AGENCY APPROVAL:

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DRAWINGS PREPARED FOR:

EDGE ELECTRICAL CONSULTING

1801 7TH STREET SUITE 150
SACRAMENTO, CA 95811

PROJECT:

UCD MEDICAL CENTER
DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
UCDH PROJECT NO. 9558910 SUB05

2315 STOCKTON BLVD
SACRAMENTO, CA 95817

REGISTERED PROFESSIONAL ENGINEER — No. E 018416 — ELECTRONICAL — STATE OF CALIFORNIA
07/03/2025

REVISIONS:

REV	DESCRIPTION	DATE
1	HCAI BACKCHECK	09/16/2024
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LICENSED ELECTRICAL CONTRACTOR — INDUSTRIAL ELECTRONIC SYSTEMS — CLASSIFICATION C-7/C-10/C-1[illegible] — LICENSE NO. 443097 — STATE OF CALIFORNIA

JOB NO:	3769
DATE:	05/01/2024
SCALE:	1/8" = 1'-0"
DRAWN BY:	JB
CHECKED BY:	SS
PROJECT MANAGER:	RD

SHEET TITLE:

NOT USED

ACD-001

SHEET NO.

FA-203

SHEET 7 OF 9

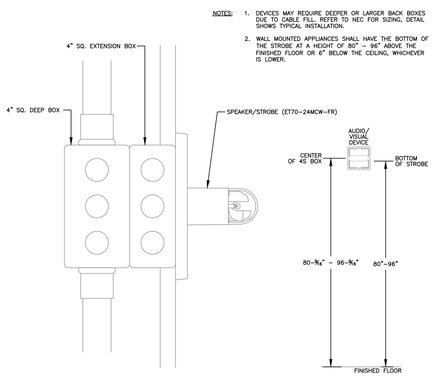
DWG

3769_FA_R03

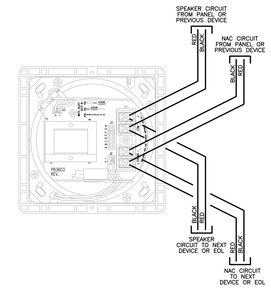
ACD-001
Removed

1 REMOVED
SCALE: N.T.S.

2 REMOVED
SCALE: N.T.S.



3 WALL SPEAKER/STROBE MOUNTING DETAIL (ET70-24MCW-FR)
SCALE: N.T.S.



4 SPEAKER/STROBE WIRING DETAIL (ET70-24MCW-FR)
SCALE: N.T.S.

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PLOT DATE: 7/2/2025 4:09:11 PM

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SYSTEM:

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REVISIONS:

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LICENSED ELECTRICAL CONTRACTOR
INDUSTRIAL ELECTRONIC SYSTEMS INC.
CLASSIFICATION C-7/C-10/C-16
LICENSE NO. 443097
STATE OF CALIFORNIA

JOB NO:	3769
DATE:	05/01/2024
SCALE:	AS SHOWN
DRAWN BY:	JB
CHECKED BY:	SS
PROJECT MANAGER:	RD

SHEET TITLE:

DETAILS SHEET

SHEET NO. FA-300 ⚠

SHEET 8 OF 9

DWG 3769_FA_R03

NOTE:

CIRCUITS THAT ARE NOT IN SCOPE ARE SHOWN WITH MAXIMUM CURRENT DRAW FOR A WORST-CASE BATTERY CALCULATION REQUIREMENT.

N0.6 Circuit

CANDELA	DEVICE	From	To	Length Device To Device L	Length Total Accum LTA	Device Unit Current I	Current Total Accum ITA	K= Rx2 xCM K	Cir Mils #12=6530 #14=4110 CM	Multi For Formula (L)(ITA)(K)	Volt Drop (2)(L)(ITA)(K) VD	Volt Drop Accum VDA	Start Voltage 20.40 SV	% VD At Device %
15/75	E70-241575W-FR	Start	N0.6-1	85	85	0.065	0.835	12.93	6530	917.71	0.28	0.28	20.12	1.40%
15/75	E70-241575W-FR	N0.6-1	N0.6-2	70	155	0.065	0.770	12.93	6530	696.93	0.21	0.49	19.91	2.48%
15/75	E70-241575W-FR	N0.6-2	N0.6-3	20	175	0.065	0.705	12.93	6530	182.31	0.06	0.55	19.85	2.77%
15/75	E70-241575W-FR	N0.6-3	N0.6-4	70	245	0.065	0.640	12.93	6530	579.26	0.18	0.73	19.67	3.70%
15/75	E70-241575W-FR	N0.6-4	N0.6-5	65	310	0.065	0.575	12.93	6530	483.26	0.15	0.88	19.52	4.49%
15	ET70-24MCW-FR	N0.6-5	N0.6-6	15	325	0.060	0.510	12.93	6530	98.91	0.03	0.91	19.49	4.65%
110	ET70-24MCW-FR	N0.6-6	N0.6-7	35	360	0.220	0.450	12.93	6530	203.65	0.06	0.97	19.43	4.98%
15/75	E70-241575W-FR	N0.6-7	N0.6-8	170	530	0.065	0.230	12.93	6530	505.56	0.15	1.12	19.28	5.83%
15/75	E70-241575W-FR	N0.6-8	N0.6-9	45	575	0.065	0.165	12.93	6530	96.01	0.03	1.15	19.25	5.99%
15/75	MT-24-LSM-VFR	N0.6-9	N0.6-10	20	595	0.100	0.100	12.93	6530	25.86	0.01	1.16	19.24	6.03%

N0.7 Circuit

CANDELA	DEVICE	From	To	Length Device To Device L	Length Total Accum LTA	Device Unit Current I	Current Total Accum ITA	K= Rx2 xCM K	Cir Mils #12=6530 #14=4110 CM	Multi For Formula (L)(ITA)(K)	Volt Drop (2)(L)(ITA)(K) VD	Volt Drop Accum VDA	Start Voltage 20.40 SV	% VD At Device %
15/75	E70-241575W-FR	Start	N0.7-1	55	55	0.065	0.585	12.93	6530	416.02	0.13	0.13	20.27	0.63%
15/75	E70-241575W-FR	N0.7-1	N0.7-2	30	85	0.065	0.520	12.93	6530	201.71	0.06	0.19	20.21	0.94%
15/75	E70-241575W-FR	N0.7-2	N0.7-3	35	120	0.065	0.455	12.93	6530	205.91	0.06	0.25	20.15	1.25%
15/75	E70-241575W-FR	N0.7-3	N0.7-4	50	170	0.065	0.390	12.93	6530	252.14	0.08	0.33	20.07	1.64%
15/75	E70-241575W-FR	N0.7-4	N0.7-5	90	260	0.065	0.325	12.93	6530	378.20	0.12	0.45	19.95	2.23%
15/75	E70-241575W-FR	N0.7-5	N0.7-6	25	285	0.065	0.260	12.93	6530	84.05	0.03	0.47	19.93	2.36%
15/75	E70-241575W-FR	N0.7-6	N0.7-7	105	390	0.065	0.195	12.93	6530	264.74	0.08	0.55	19.85	2.78%
15/75	E70-241575W-FR	N0.7-7	N0.7-8	140	530	0.065	0.130	12.93	6530	235.33	0.07	0.62	19.78	3.16%
15/75	E70-241575W-FR	N0.7-8	N0.7-9	50	580	0.065	0.065	12.93	6530	42.02	0.01	0.64	19.76	3.22%

ACD-001

N0.8 Circuit

CANDELA	DEVICE	From	To	Length Device To Device L	Length Total Accum LTA	Device Unit Current I	Current Total Accum ITA	K= Rx2 xCM K	Cir Mils #12=6530 #14=4110 CM	Multi For Formula (L)(ITA)(K)	Volt Drop (2)(L)(ITA)(K) VD	Volt Drop Accum VDA	Start Voltage 20.40 SV	% VD At Device %
15/75	E70-241575W-FR	Start	N0.8-1	75	75	0.065	1.155	12.93	6530	1120.06	0.34	0.34	20.06	1.71%
15	E70-24MCW-FR	N0.8-1	N0.8-2	140	215	0.060	1.090	12.93	6530	1973.12	0.60	0.95	19.45	4.87%
15/75	MT-24-LSM-VFR	N0.8-2	N0.8-3	155	370	0.100	1.030	12.93	6530	2064.27	0.63	1.58	18.82	8.39%
15/75	MT-24-LSM-VFR	N0.8-3	N0.8-4	10	380	0.100	0.930	12.93	6530	120.25	0.04	1.62	18.78	8.61%
15/75	E70-241575W-FR	N0.8-4	N0.8-5	90	470	0.065	0.830	12.93	6530	965.87	0.30	1.91	18.49	10.34%
15/75	E70-241575W-FR	N0.8-5	N0.8-6	100	570	0.065	0.765	12.93	6530	989.15	0.30	2.22	18.18	12.18%
110	ET70-24MCW-FR	N0.8-6	N0.8-7	90	660	0.220	0.700	12.93	6530	814.59	0.25	2.46	17.94	13.74%
15/75	E70-241575W-FR	N0.8-7	N0.8-8	105	765	0.065	0.480	12.93	6530	651.67	0.20	2.66	17.74	15.02%
15/75	E70-241575W-FR	N0.8-8	N0.8-9	20	785	0.065	0.415	12.93	6530	107.32	0.03	2.70	17.70	15.24%
15/75	E70-241575W-FR	N0.8-9	N0.8-10	115	900	0.065	0.350	12.93	6530	520.43	0.16	2.86	17.54	16.28%
110	ET70-24MCW-FR	N0.8-10	N0.8-11	75	975	0.220	0.285	12.93	6530	276.38	0.08	2.94	17.46	16.85%
15/75	E70-241575W-FR	N0.8-11	N0.8-12	75	1050	0.065	0.065	12.93	6530	63.03	0.02	2.96	17.44	16.98%

VOLTAGE DROP

ACD-001

FCPS-24S6 Battery Calculation - NAC

Table 1

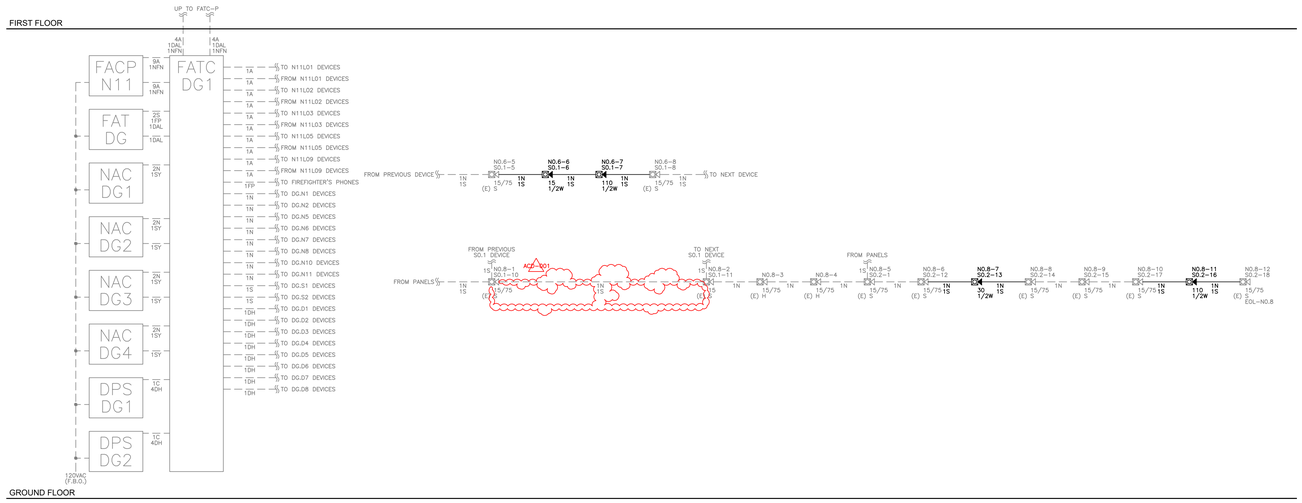
	Column 1 Primary, Non-Fire Alarm Current (Amps)			Column 2 Primary, Fire Alarm Current (Amps)			Column 3 Secondary, Non-Fire Alarm Current (Amps)		
	Qty.	X Current	Total	Qty.	X Current	Total	Qty.	X Current	Total
Main Circuit Board	1	x 0.091	0.091	1	x 0.145	0.145	1	x 0.065	0.065
Power Supervision Relay	1	x 0.025	0.025	1	x 0.025	0.025	1	x 0.025	0.025
Circuit 1 - N0.5				1	x 3.000	3.000			
Circuit 2 - N0.6				1	x 0.835	0.835			
Circuit 3 - N0.7				1	x 0.585	0.585			
Circuit 4 - N0.8				1	x 1.155	1.155			
Current Draw from TB4 Terminals 9 & 10	0	x	0.000	0	x	0.000	0	x	0.000
Sum each column for totals	Primary, non-alarm:		0.116	Primary, alarm:		5.745	Secondary, non-alarm		0.090

Table 2

Current (Amps)	Qty.	Time	Total
Secondary Standby Load (Total from Table 1, Column 3)	0.090	x 24	2.160
Secondary Alarm Load (Total from Table 1, Column 2)	5.745	x 0.084	0.483
Sum Column for Secondary Fire Alarm Load=			2.643
Multiply by the derating factor x 1.2=			3.171
Total Ampere Hours Provided=			7.000 *

BATTERY CALCS

NOTE: ALL DEVICES ARE SHOWN DIAGRAMMATICALLY. SEE FLOOR PLANS FOR CONDUIT ROUTING AND PATHWAYS.



RISER DIAGRAM

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Industrial Electronic Systems
SECURITY & FIRE ALARM PROTECTION
3250 MONIER CIRCLE, SUITE F
RANCHO CORDOVA, CA 95742
(916) 638-1000 | www.iesi.net | service@iesi.net
CCL # 443097

SYSTEM:

FIRE ALARM

AGENCY APPROVAL:

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DRAWINGS PREPARED FOR:

EDGE ELECTRICAL CONSULTING

1801 7TH STREET SUITE 150
SACRAMENTO, CA 95811

PROJECT:

UCD MEDICAL CENTER
DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
UCDH PROJECT NO. 9558910 SUB05

2315 STOCKTON BLVD
SACRAMENTO, CA 95817

STATE OF CALIFORNIA — SAM KEVIN KING — No. E 018419 — ELECTRICAL — 07/03/2025

REVISIONS:

REV	DESCRIPTION	DATE
1	HCAI BACKCHECK	09/16/2024
3	HCAI BACKCHECK 2	12/13/2024
ACD-001	SCOPE REDUCTION	07/03/2025

ALL DRAWINGS & WRITTEN INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO INDUSTRIAL ELECTRONIC SYSTEMS, INC. AND ARE TO BE USED FOR THE CONSTRUCTION OF THIS SPECIFIC PROJECT. ALL MATERIALS HEREIN MAY NOT BE DUPLICATED WITHOUT THE WRITTEN CONSENT OF INDUSTRIAL ELECTRONIC SYSTEMS, INC..

LICENSED ELECTRICAL CONTRACTOR — CLASSIFICATION C-7/C-10/C-16 — LICENSE NO. 443097 — STATE OF CALIFORNIA

JOB NO:	3769
DATE:	05/01/2024
SCALE:	AS SHOWN
DRAWN BY:	JB
CHECKED BY:	SS
PROJECT MANAGER:	RD

SHEET TITLE:

VOLTAGE DROPS AND BATTERY CALCULATIONS AND RISER DIAGRAM

SHEET NO. FA-400 △1

SHEET 9 OF 9

DWG 3769_FA_R03

GRAPHIC SCALES: 1/16" = 1'-0" (0, 5', 50') · 1/8" = 1'-0" (0, 5', 25') · 1/4" = 1'-0" (0, 1', 12') · 1/2" = 1'-0" (0, 1', 6') · 3/4" = 1'-0" (0, 4') · 1" = 1'-0" (0, 1', 3') · 1 1/2" = 1'-0" (0, 2') · 3" = 1'-0" (0, 1')

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BUILDING DATA

PROJECT OWNER:	UC DAVIS MEDICAL CENTER FACILITIES DESIGN & CONSTRUCTION 4800 2ND AVENUE, SUITE 3010, SACRAMENTO, CA 95817	
PROJECT DESCRIPTION:	REPLACE AND RELOCATE FIRE-SPRINKLER HEADS.	
OVERALL BUILDING SIZE:	470,996 SF	
OCCUPANCY GROUP:	TYPE I-2	
CONSTRUCTION TYPE:	TYPE 1-A SPRINKLERED	
	STRUCTURAL FRAME:	3 HOURS
	INTERIOR NON-BEARING PARTITION	1 HOUR
	FLOORS AND ROOF:	2 HOURS
GROSS FLOOR AREAS:	NEW	
	BASEMENT	8,996 SF
	TOTAL	8,996 SF
SPRINKLER DESIGN CRITERIA:	OPEN SPACES, RESTROOMS, LOBBY	
CLASSIFICATION OF OCCUPANCY:	LIGHT HAZARD	
DESIGN DENSITY:	0.10 GPM/ SQ.FT.	
DESIGN AREA MIN.:	1,500 SQ.FT.	
AREA OF COVERAGE/ SP HEAD:	225 SQ.FT. MAX/ HEAD	
SPRINKLER DESIGN CRITERIA:	MECHANICAL, ELECTRICAL, TELECOM, CUSTODIAL, STORAGE ROOMS	
CLASSIFICATION OF OCCUPANCY:	ORDINARY HAZARD I	
DESIGN DENSITY:	0.15 GPM/ SQ.FT.	
DESIGN AREA MIN.:	1,500 SQ.FT.	
AREA OF COVERAGE/ SP HEAD:	130 SQ.FT. MAX/ HEAD	

PARTIAL LIST OF APPLICABLE CODES:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2018 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2022 CALIFORNIA AMENDMENTS
2022 CALIFORNIA ELECTRIC CODE (CEC), PART 3, TITLE 24 CCR
2017 NATIONAL ELECTRIC CODE AND 2022 CALIFORNIA AMENDMENTS
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2018 IAPMO UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS
2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
2018 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2018 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS
2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2018 INTERNATIONAL EXISTING BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS
2022 CALIFORNIA GREEN BUILDING STANDARD CODE (CALGreen), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
2016 ASME A17.1/ CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2022 CBC PART 2 CH 35)
NOTE: CAL/ OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

PARTIAL LIST OF APPLICABLE STANDARDS:

NFPA 04	-	STANDARD FOR INTEGRATED FIRE PROTECTION AND LIFE SAFETY SYSTEM TESTING	2021 EDITION
NFPA 10	-	STANDARD FOR PORTABLE FIRE EXTINGUISHERS	2021 EDITION
NFPA 13	-	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)	2022 EDITION
NFPA 14	-	STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CA AMENDED)	2019 EDITION
NFPA 17	-	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 17A	-	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 20	-	STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION	2019 EDITION
NFPA 22	-	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2019 EDITION
NFPA 24	-	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED)	2019 EDITION
NFPA 25	-	STANDARD FOR INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (CA AMENDED)	2013 EDITION
NFPA 70	-	NATIONAL ELECTRIC CODE (CA AMENDED)	2020 EDITION
NFPA 72	-	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2022 EDITION
NFPA 80	-	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2019 EDITION
NFPA 101	-	LIFE SAFETY CODE	2021 EDITION
NFPA 2001	-	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)	2018 EDITION
UL 300 -		STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2010)
UL 464 -		AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL 521 -		STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION
UL 1971-		STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 (R2010)
ICC 300-		STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS	2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80

SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS

ATTACHMENT & SEISMIC BRACING PROJECT NOTES

1. THE STRUCTURAL ENGINEER OF RECORD SHALL ENSURE THE ADEQUACY OF THE BUILDING STRUCTURE TO SUPPORT THE HANGER AND BRACING LOADS.
2. THE INSTALLING CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF NFPA 13 (2022) CHAPTER 18 INSTALLATION REQUIREMENTS FOR SEISMIC PROTECTION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   A. SEC. 18.5 SWAY BRACING
      a. SEC. 18.5.1 GENERAL:
         • SEC. 18.5.1.3 HORIZONTAL LOADS ON SYSTEM PIPING SHALL BE DETERMINED IN ACCORDANCE WITH SEC. 18.5.9.
      b. SEC. 18.5.2 LISTING
         • SEC. 18.5.2.1 SWAY BRACING ASSEMBLIES SHALL BE LISTED FOR A MAXIMUM LOAD RATING, UNLESS THE REQUIREMENTS OF 18.5.2.2 ARE MET.
         • SEC. 18.5.2.2.1 BRACING FITTINGS AND CONNECTIONS USED WITH THOSE SPECIFIC MATERIALS SHALL BE LISTED.
         • SEC. 18.5.2.3 THE LISTED LOAD RATING SHALL BE REDUCED AS SHOWN IN TABLE 18.5.2.3 TO DETERMINE THE ALLOWABLE LOAD FOR INSTALLATIONS WHERE THE BRACE IS LESS THAN 90 DEGREES FROM VERTICAL.
      c. SEC. 18.5.5 LATERAL SWAY BRACING
         • SEC. 18.5.5.1 LATERAL SWAY BRACING SHALL BE PROVIDED ON ALL FEED AND CROSS MAINS REGARDLESS OF SIZE AND ALL BRANCH LINES AND OTHER PIPING WITH A DIAMETER OF 2-1/2" AND LARGER
         • SEC. 18.5.5.1.1. WHERE BRANCH LINES ARE NOT PROVIDED WITH LATERAL SWAY BRACING, THEY SHALL BE PROVIDED WITH RESTRAINT IN ACCORDANCE WITH SEC. 18.6.
         • SEC. 18.5.5.2.2 SPACING SHALL NOT EXCEED A MAXIMUM INTERVAL OF 40FT ON CENTER.
         • SEC. 18.5.5.4 THE REQUIREMENTS OF 18.5.5.1 SHALL NOT APPLY TO 2-1/2" STARTER PIECES THAT DO NOT EXCEED 12FT IN LENGTH.
         • SEC. 18.5.5.5 THE DISTANCE BETWEEN THE LAST BRACE AND THE END OF THE PIPE SHALL NOT EXCEED 6FT.
         • SEC. 18.5.5.10 THE LATERAL SWAY BRACING REQUIRED BY 18.5.5 SHALL BE PERMITTED TO BE OMITTED WHEN 18.5.5.10.1 FOR BRANCH LINES OR 18.5.5.10.2 FOR MAINS IS MET.
      d. SEC. 18.5.6 LONGITUDINAL SWAY BRACING
         • SEC. 18.5.6.1 LONGITUDINAL SWAY BRACING SPACED AT A MAXIMUM OF 80 FT ON CENTER SHALL BE PROVIDED FOR FEED AND CROSS MAINS.
         • SEC. 18.5.6.4 THE DISTANCE BETWEEN THE LAST BRACE AND THE END OF THE PIPE OR A CHANGE IN DIRECTION SHALL NOT EXCEED 40 FT.
      e. SEC. 18.5.8 SWAY BRACING OF RISERS
         • SEC. 18.5.8.1 TOPS OF RISERS EXCEEDING 36 IN IN LENGTH SHALL BE PROVIDED WITH A FOUR-WAY BRACE LOCATED ON THE TOPMOST SECTION OF VERTICAL PIPING, BUT NOT MORE THAN 24 IN BELOW THE TOP COUPLING.
         • SEC. 18.5.8.4 DISTANCE BETWEEN FOUR-WAY BRACES FOR RISERS SHALL NOT EXCEED 25 FT.
   B. SEC. 18.6 RESTRAINT OF BRANCH LINES
      a. 18.6.1 RESTRAINT IS CONSIDERED A LESSER DEGREE OF RESISTING LOADS THAN BRACING AND SHALL BE PROVIDED BY USE OF ONE OF THE FOLLOWING:
         • LISTED SWAY BRACE ASSEMBLY
         • WRAPAROUND U-HOOK SATISFYING THE REQUIREMENTS OF 18.5.5.11
         • NO. 12 440 LB WIRE INSTALLED AT LEAST 45 DEGREES FROM VERTICAL PLANE AND ANCHORED ON BOTH SIDES OF THE PIPE
         • HANGER NOT LESS THAN 45 DEGREES FROM VERTICAL INSTALLED WITHIN 6 IN OF THE VERTICAL HANGER ARRANGED FOR RESTRAINT AGAINST UPWARD MOVEMENT, PROVIDED IT IS UTILIZED SUCH THAT L/R DOES NOT EXCEED 400, WHERE THE ROD EXTENDS TO THE PIPE OR A SURGE CLIP HAS BEEN INSTALLED
         • OTHER APPROVED MEANS
      b. SEC. 18.6.3. THE END SPRINKLER ON A BRANCH LINE SHALL BE RESTRAINED.
         • SEC. 18.6.3.1 THE LOCATION OF THE RESTRAINT FROM END OF THE LINE SHALL NOT BE GREATER THAN 36" FOR 1" PIPE, 48" FOR 1-1/4" PIPE, AND 60" FOR 1-1/2" OR LARGER PIPE.
      c. SEC. 18.6.5 WHERE THE BRANCH LINES ARE SUPPORTED BY RODS LESS THAN 6IN LONG MEASURED BETWEEN THE TOP OF PIPE AND THE POINT OF ATTACHMENT TO THE BUILDING STRUCTURE, THE REQUIREMENTS OF 18.6.1 THROUGH 18.6.4 SHALL NOT APPLY AND ADDITIONAL RESTRAINT SHALL NOT BE REQUIRED FOR THE BRANCH LINES.
      d. SEC. 18.6.7 DROPS AND ARMOVERS SHALL NOT REQUIRE RESTRAINT.
3. SEISMIC DESIGN CRITERIA IS SHOWN BELOW FOR Ss & Cp VALUES SHOWN ON STRUCTURAL DRAWINGS.

INSPECTION & TESTING PROJECT NOTES

1. A MINIMUM OF 48 HOURS NOTICE SHALL BE REQUIRED FOR ANY INSPECTION / OR TESTING.
2. THE INSTALLING CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 13 (2022) SEC. 6.10 TESTING AND ACCEPTANCE:
   A. NFPA 13 (2022) SEC. 6.10.1.1 THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:
      a. NOTIFYING THE AHJ AND THE OWNERS REPRESENTATIVE OF THE TIME AND DATE TESTING IS TO BE PERFORMED.
      b. PERFORMING ALL REQUIRED ACCEPTANCE TESTS.
      c. COMPLETING AND SIGNING A CONTRACTORS MATERIAL AND TEST CERTIFICATE(S) SHOWN IN FIGURE 6.10.1.1
3. THE INSTALLING CONTRACTOR SHALL ENSURE COMPLIANCE WITH ALL REQUIREMENTS OF NFPA 13 (2022) SEC. 29.2 ACCEPTANCE REQUIREMENTS, INCLUDING BUT NOT LIMITED TO:
   A. SEC. 29.2.1. HYDROSTATIC TESTS
      a. SEC. 29.2.1.1 UNLESS PERMITTED BY 29.2.1.3 THROUGH 29.2.1.6 ALL PIPING AND ATTACHED APPURTENANCES SUBJECTED TO SYSTEM WORKING PRESSURE SHALL BE HYDROSTATICALLY TESTING AT 200 PSI AND SHALL MAINTAIN THAT PRESSURE WITHOUT LOSS FOR 2 HOURS.
         • THE LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF THE DATE AND TIME OF TESTING SO THAT THEY MAY OBSERVE, THE TEST SHALL BE WITNESSED AND APPROVED BY THE IOR, LOCAL FIRE AUTHORITY AND/ OR OWNERS REPRESENTATIVE.
      b. SEC. 29.2.1.2 LOSS SHALL BE DETERMINED BY A DROP IN GAUGE PRESSURE OR VISUAL LEAKAGE.
   B. SEC. 29.2.3 SYSTEM OPERATIONAL TESTS.
      a. SEC. 29.2.3.1. WATERFLOW DEVICES. WATERFLOW DETECTING DEVICES SHALL BE FLOW TESTED THROUGH THE INSPECTORS TEST CONNECTION AND SHALL RESULT IN AN AUDIBLE ALARM ON THE PREMISES IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 7.7.
      b. SEC. 29.2.3.1.1 WHERE A FIRE ALARM SYSTEM IS MONITORING WATERFLOW, AN ALARM SIGNAL SHALL ACTIVATE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ADOPTED FIRE ALARM CODE.
      c. SEC. 29.2.3.4 MAIN DRAIN VALVES.
         • SEC. 29.2.3.4.1 THE MAIN DRAIN VALVE SHALL BE OPENED AND REMAIN OPEN UNTIL THE SYSTEM PRESSURE STABILIZES.
         • SEC. 29.2.3.4.2 THE STATIC AND RESIDUAL PRESSURES SHALL BE RECORDED ON THE CONTRACTORS MATERIAL AND TEST CERTIFICATE AND THE SPRINKLER SYSTEM GENERAL INFORMATION PLACARD.
4. CBC SEC. 903.4.1 MAIN FIRE ALARM PANEL VALVE MONITORING AND WATER-FLOW ALARM AND TROUBLE SIGNALS SHALL BE DISTINCTLY DIFFERENT AND SHALL BE AUTOMATICALLY TRANSMITTED TO AN APPROVED CENTRAL STATION MONITORING COMPANY.
5. TITLE 19 ARTICLE 906)a-d) A LABEL OF THE SELF-ADHESIVE TYPE SHALL BE PLACED ON THE FIRE DEPARTMENT CONNECTION OR ON THE RISER FOR THE FIRE SPRINKLER SYSTEM WITH THE DATE OF SERVICE AND / OR DATE OF INSTALLATION WAS PERFORMED AND LICENSE NUMBER OF PERSON PERFORMING SERVICE WORK.
6. THE INSTALLING CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 13 (2022) SEC. 29.3. THE INSTALLING CONTRACTOR SHALL PROVIDE THE PROPERTY OWNER OR THE PROPERTY OWNERS AUTHORIZED REPRESENTATIVE WITH THE FOLLOWING:
   A. ALL LITERATURE AND INSTRUCTIONS PROVIDED BY THE MANUFACTURER DESCRIBING PROPER OPERATION AND MAINTENANCE OF ANY EQUIPMENT AND DEVICES INSTALLED
   B. CURRENT EDITION OF NFPA 25

3

EXISTING BUILDING PROJECT NOTES

1. THE CONTRACTOR SHALL SURVEY EXISTING FIELD CONDITIONS PRIOR TO BIDDING. IF AWARDED THE CONTRACT, THE CONTRACTOR SHALL SURVEY EXISTING FIELD CONDITIONS IN DETAIL AND COORDINATE THE WORK WITH EXISTING BUILDING SYSTEMS.
2. INSTALLING CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND IS RESPONSIBLE FOR PREPARING A DESIGN TO ACCOMMODATE ALL EXISTING CONDITIONS.
3. EXISTING WORK DAMAGED OR CUT INTO DURING CONSTRUCTION SHALL BE PATCHED OR REPAIRED, PAINTED AND FINISHED TO MATCH EXISTING FINISHES.
4. COORDINATE THE FOLLOWING WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND ELEMENTS AS INSTALLED, INCLUDING EXISTING BUILDING SYSTEMS:
   A. EXACT LOCATION OF ALL EQUIPMENT.
   B. ALL PENETRATIONS THRU ROOF, WALLS AND FLOORS.
   C. EXACT SIZE AND ROUTING OF PIPING.
5. ALL EXISTING FIRE PROTECTION SYSTEMS SHALL REMAIN IN OPERATION DURING PHASES OF CONSTRUCTION. NO SYSTEMS ARE TO BE SHUTDOWN WITHOUT AUTHORIZATION FROM THE OWNER AND LOCAL FIRE DISTRICT.

FIRE PROTECTION PROJECT NOTES

1. (3) A LICENSED (C-16) CONTRACTOR SHALL ROUTE AND SUPPORT AUTOMATIC SPRINKLER SYSTEM PER REQUIREMENTS OF NFPA 13 (2022), CBC CHAPTER 9, NFPA 25 (2013) AND OTHER APPLICABLE CODES PER AHJ.
2. INSTALLATION OF THE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS (INCLUDING WATER SUPPLY INFORMATION) HAVE BEEN APPROVED BY THE AHJ AND OR LOCAL FIRE MARSHALL. A STAMPED SET OF APPROVED DRAWINGS SHALL BE ON SITE AND USED FOR INSTALLATION. DEVIATIONS FROM THE APPROVED PLANS, INCLUDING THE SUBSTITUTION OF COMPONENTS SHALL BE APPROVED BY THE AHJ; AS OUTLINED IN SPECIFICATION SECTION 210500. FAILURE TO COMPLY MAY RESULT IN A STOP WORK ORDER.
3. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED ON THE DRAWINGS OR ACCEPTED BY THE ARCHITECT WITH THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
4. ALL DEVICES AND COMPONENTS TO BE EITHER LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY OR APPROVED BY THE AUTHORITY HAVING JURISDICTION.
5. (3) DRAWINGS INDICATE DIAGRAMMATICALLY THE ARRANGEMENT OF SPRINKLER HEADS. FOLLOW DRAWING AS CLOSELY AS POSSIBLE, IN ORDER TO ACHIEVE A NEAT ARRANGEMENT OF PIPING AND EQUIPMENT WHILE STILL OVERCOMING OBSTRUCTIONS.
6. ITEMS SHOWN ON PLANS DESCRIBE GENERAL LAYOUT REQUIREMENTS, AND ARE NOT INTENDED TO SHOW A COMPLETE LAYOUT OF REQUIRED FIRE PROTECTION SYSTEM PIPING AND COMPONENTS. REFER TO ARCHITECTURAL, MECHANICAL AND PLUMBING SHEETS, FIRE PROTECTION SPECIFICATIONS, AS WELL AS OTHER PORTIONS OF THE CONTRACT DOCUMENTS FOR ADDITIONAL COORDINATION REQUIREMENTS.
7. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED SPRINKLER STANDARD SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR OF RECORD.
8. (3) THE LAYOUT REQUIREMENTS DESCRIBED IN THESE PLANS SHALL BE ADHERED TO AS CLOSELY AS POSSIBLE BUT SHALL NOT SUPERSEDE CODE CONSTRAINTS AND/ OR REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION (AHJ'S). WHERE CODE OR AHJ REQUIREMENTS SUPERSEDE ITEMS SHOWN ON THIS PLAN, CONTRACTOR SHALL INCLUDE ALL ASSOCIATED PROVISIONS IN THE BID, AND SHALL MAKE THEM AT NO ADDITIONAL COST TO THE OWNER. PROPOSED DEVIATIONS FROM THIS PLAN SHALL BE SUBJECT TO ENGINEER OF RECORD REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION.
9. IT IS THE INTENTION OF THE PLANS AND SPECIFICATIONS TO COVER ALL THINGS REQUIRED TO PROVIDE COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC., REQUIRED TO NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER SPECIFICALLY SHOWN OR MENTIONED. THE ENGINEER WILL GIVE ANY INTERPRETATIONS NECESSARY FOR THE CONTRACTOR TO PROPERLY ESTIMATE THE JOB.
10. IT IS THE CONTRACTORS' RESPONSIBILITY TO PROVIDE TO PROVIDE FABRICATION OR SHOP DRAWINGS. CAD FILES WILL NOT BE PROVIDED WITHOUT A SIGNED RELEASE OF LIABILITY FORM PER SPECIFICATION REQUIREMENTS.
11. THE INSTALLING FIRE SPRINKLER CONTRACTOR SHALL SUBMIT TO THE ARCHITECT FOR REVIEW AND APPROVAL, COORDINATED SHOP DRAWINGS AND SUPPORTIVE CALCULATIONS FOR ANY / ALL CHANGES TO THE FIRE SPRINKLER SYSTEM LAYOUT SHOWN ON THESE DRAWINGS, AT NO ADDITIONAL COST TO THE OWNER.
12. ALL AREAS OF THE BUILDING NOT COVERED BY NOTES HEREIN SHALL BE FULLY SPRINKLED IN ACCORDANCE WITH SPECIFICATIONS AND NFPA 13.
13. ANY DAMAGE TO NEW BUILDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS THAT OCCURS DURING THE WORK SHALL BE RESTORED TO THE ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IF LANDSCAPED AREAS INCLUDING NATURAL SPACES MUST BE USED FOR BUILDING ACCESS, THE LANDSCAPING SHALL BE RETURNED TO IT ORIGINAL CONDITION. THE CONTRACTOR SHALL INCLUDE COSTS IN THE BID FOR THIS WORK IF THIS APPROACH IS USED. THE OWNER WILL NOT PAY ANY ADDITIONAL COSTS TO COVER DAMAGE TO THE BUILDING SYSTEMS, LANDSCAPING OR DRIVE AREAS.
14. THE LOCATION OF FIRE SPRINKLER HEADS SHALL BE COORDINATED WITH THE NEW CEILING LAYOUTS AND ALL OTHER TRADES FOR COMPLETE FORE PROTECTION COVERAGE OF ALL AREAS. PROVIDE DETAILED PLANS FOR APPROVAL PRIOR TO INSTALLATION.
15. HEADS SHALL BE SYMMETRICALLY LOCATED IN CENTER OF CEILING PANELS. COORDINATE LAYOUT WITH CEILING OR SOFFIT LIGHT FIXTURES, AND HVAC DIFFUSERS,RETURNS, ETC. PROVIDE PENDENT AND/OR UPRIGHT TYPE SPRINKLER HEAD WHERE REQUIRED.
16. WORKMANSHIP: ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER ACCORDING TO THE BEST TRADE PRACTICE BY THOSE SKILLED IN THE PARTICULAR TRADE. PIPES, EQUIPMENT, ETC., TO BE INSTALLED LEVEL, SQUARE OR CENTERED, ETC., TO GIVE A NEAT AND PLEASING APPEARANCE. ALL EQUIPMENT IS TO BE INSTALLED STRICTLY PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE ALL WORK WITH OTHER TRADES.
17. THE ANNULAR SPACE BETWEEN PIPE SLEEVES AND THE PIPE THROUGH ALL RATED WALLS AND FLOORS SHALL BE FIRESTOPPED. FIRESTOPPING OF ALL PIPE PENETRATIONS OF ALL PIPE PENETRATIONS SHALL COMPLY WITH UL REQUIREMENTS. MANUFACTURER PREAPPROVED UL PENETRATION FOR PIPE MATERIAL AND SURFACE PENETRATED SHALL BE USED. PENETRATIONS SHALL BE 3M, PROSET, OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS.
18. BY OTHERS:
    A. ELECTRICAL CONTRACTOR: ALL POWER AND ALARM WIRING, CONDUITS, DISCONNECTS, AND FINAL CONNECTIONS. NO FIELD SUPPLIED ELECTRICAL DEVICE SHALL BE MOUNTED ON PIPING AND NO RIGID ELECTRICAL CONNECTIONS SHALL BE MADE.
    B. GENERAL CONTRACTOR: CUTTING, FRAMING, PATCHING, FURRING, AND PAINTING.
19. ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL FIRE PROTECTION, ELECTRICAL AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE PREMISES CAUSED BY LEAKS AND/OR BREAKS IN PIPES AND FIXTURES INSTALLED UNDER THIS CONTRACT.
20. ALL PIPING 2" ⌀ AND UNDER SHALL BE SCHEDULE 40, BLACK STEEL CONFORMING TO SPECIFICATION REQUIREMENTS.
21. ALL PIPING 2-1/2" ⌀ AND ABOVE SHALL BE SCHEDULE 40 OR SCHEDULE 10, BLACK STEEL CONFORMING TO SPECIFICATION REQUIREMENTS.
22. ANY SUBSTITUTION OF FLEXIBLE TYPE PIPING IN LIEU OF RIGID PIPE SHALL NOT BE ALLOWED UNLESS SPECIFICALLY CALLED OUT ON THESE DRAWINGS.
    A. FLEXIBLE SPRINKLER DROP MANUFACTURER SHALL PROVIDE BRIEF TRAINING TO INSTALLERS ON PROPER INSTALLATION OF THEIR PRODUCT.
23. NFPA 13 (2022) SEC. 18.4.2 CLEARANCE SHALL BE PROVIDED AROUND ALL PIPING EXTENDING THROUGH WALLS, FLOORS, PLATFORMS AND FOUNDATIONS INCLUDING DRAINS SUCH THAT THE DIAMETER OF THE HOLES IS 2 INCHES LARGER THAN THE PIPE. FOR 1 INCH TO 3-1/2 INCH NOMINAL AND 4 INCHES LARGER THAN THE PIPE FOR PIPE 4 INCH AND LARGER.
24. ALL SIGNAGE SHALL COMPLY WITH NFPA 13 (2022) SEC. 6.9 INCLUDING BUT NOT LIMITED TO:
    A. NFPA 13 (2022) SEC. 29.4 & 29.6; A HYDRAULIC CALCULATIONS DESIGN PLACARD SHALL BE ATTACHED TO RISER.
25. THE FIRE SPRINKLER SYSTEM SHALL BE MONITORED BY AN APPROVED LISTED CENTRAL MONITORING STATION.
26. STOCK OF SPARE SPRINKLER SHALL COMPLY WITH REQUIREMENTS OF NFPA 13 (2022) SEC. 16.2.7 INCLUDING BUT NOT LIMITED TO:
    A. SEC. 6.2.7.1 A SUPPLY OF AT LEAST SIX SPARE SPRINKLERS SHALL BE MAINTAINED ON THE PREMISES SO THAT ANY SPRINKLERS THAT HAVE OPERATED OR BEEN DAMAGED IN ANY WAY CAN BE PROMPTLY REPLACED.
    B. SEC. 16.2.7.2 THE SPRINKLERS SHALL CORRESPOND TO THE TYPES AND TEMPERATURE RATINGS OF THE SPRINKLERS IN THE PROPERTY.
    C. SEC. 16.2.7.3 THE SPRINKLERS SHALL BE KEPT IN A CABINET LOCATED WHERE THE TEMPERATURE TO WHICH THEY ARE SUBJECTED WILL AT NO TIME EXCEED MAXIMUM CEILING TEMPERATURES SPECIFIED IN TABLE 7.2.4.1 FOR EACH OF THE SPRINKLERS WITHIN THE CABINET.
27. INSTALLING CONTRACTOR TO COMPLY WITH NFPA 13 (2022) SEC. 16.16 PROVISIONS FOR FLUSHING SYSTEMS.
28. INSTALLING CONTRACTOR SHALL COMPLY WITH NFPA 13 (2022) SEC. 16.7 AIR VENTING; THE VENT REQUIRED BY 8.1.5 SHALL BE LOCATED NEAR A HIGH POINT IN THE SYSTEM TO ALLOW AIR TO BE REMOVED FROM THAT PORTION OF THE SYSTEM BY ONE OF THE FOLLOWING METHODS
    A. AUTOMATIC AIR VENT
    B. REMOTE INSPECTORS TEST VALVE
    C. OTHER APPROVED MEANS
29. THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE CONFORMING TO ALL DRAINAGE REQUIREMENTS AS OUTLINED IN NFPA 13 (2022) SEC. 16.10.
30. SPRINKLER PIPE FITTERS SHALL BE CERTIFIED BY CALFIRE OSFM. SEE SFM 1B-17-002.

SEE SPECIFICATION SECTION 211000 & 210050 FOR ADDITIONAL REQUIREMENTS.

ABBREVIATIONS

(E)	EXISTING
(N)	NEW
ABBR	ABBREVIATION
AFF	ABOVE FINISHED FLOOR
AO	ARM OVER
AS	AUTOMATIC SPRINKLER
ASR	AUTOMATIC SPRINKLER RISER
AV	ANGLE VALVE
AFSR	AUTOMATIC FIRE SPRINKLER RISER
BFV	BUTTERFLY VALVE
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DECK
BOJ	BOTTOM OF JOIST
CV	CHECK VALVE
CI	CAST IRON
COE	CHANGE OF ELEVATION
COUP	COUPLING
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DI	DUCTILE IRON
DN	DOWN
DR	DROP
EOR	ENGINEER OF RECORD
EQB	EARTHQUAKE BRACE
FACP	FIRE ALARM CONTROL PANEL
FDC	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FLG	FLANGE
GV	GLOBE VALVE
HGR	HANGER
IBR	IN BUILDING RISER (AMES)
IOR	INSPECTOR OF RECORD
JST	JOIST
LVL	LEVEL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PI	POST INDICATOR
PIV	POST INDICATOR VALVE
POC	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE
RN	RISER NIPPLE
SSP	STANDARD SPRAY PENDANT
SSU	STANDARD SPRAY UPRIGHT
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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Ray Sanchez

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100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAi No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: FIRE PROTECTION SYMBOLS, LEGENDS, AND NOTES

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale:	FP0.01
Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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FIRE PROTECTION - ENLARGED OVERALL REMODEL REFLECTED CEILING PLAN

27 / FP2.00

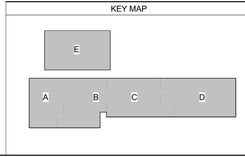
SCALE: 1/8" = 1'-0"

FIRE PROTECTION - ENLARGED OVERALL DEMO REFLECTED CEILING PLAN

30 / FP2.00

SCALE: 1/8" = 1'-0"

KEY MAP



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DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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Bldg No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: FIRE PROTECTION - OVERALL REFLECTED CEILING PLANS - BASEMENT

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UCDMC Project Mgr. AA	Scale: 1/8" = 1'-0"	FP2.00
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Drawn By: MN	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" (0 5' 50') | 1/8" = 1'-0" (0 5' 25') | 1/4" = 1'-0" (0 1' 12') | 1/2" = 1'-0" (0 1' 6') | 3/4" = 1'-0" (0 4') | 1" = 1'-0" (0 1' 3') | 1 1/2" = 1'-0" (0 2') | 3" = 1'-0" (0 1')

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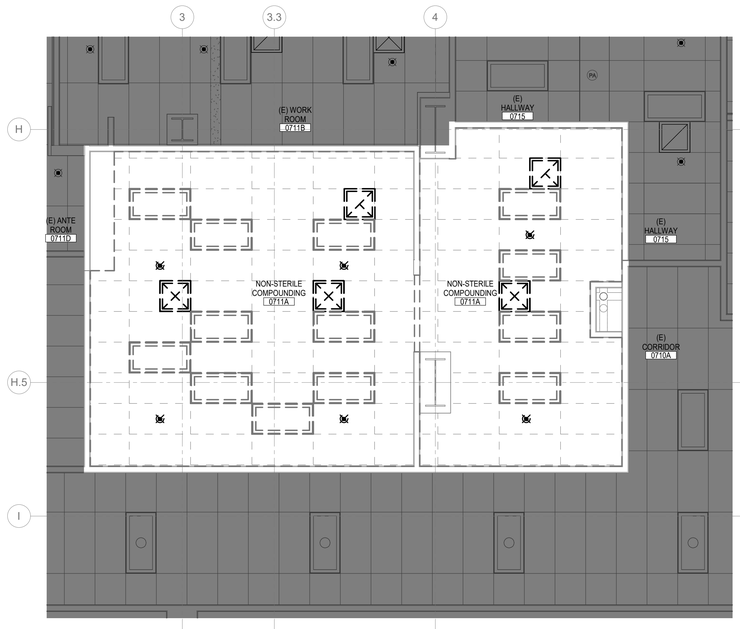
SPRINKLER HEAD SCHEDULE AND LEGEND

SYMBOL	DESCRIPTION	LOCATION	MANUFACTURER	SIN#	K-FACTOR	RESPONSE	DESCRIPTION	TEMP.	FINISH	THREAD SIZE	COMMENTS
⊠	DEMOLISHED SPRINKLER	-	-	-	-	-	-	-	-	-	-
⊙	EXISTING TO REMAIN	-	-	-	-	-	-	-	-	-	-
●	NEW PENDANT SPRINKLER	GYP. BRD. ACC. TILE	VIKING OR EQUAL	VK302	5.6	QUICK	SSP	155 °F	-	1/2"	RECESSED

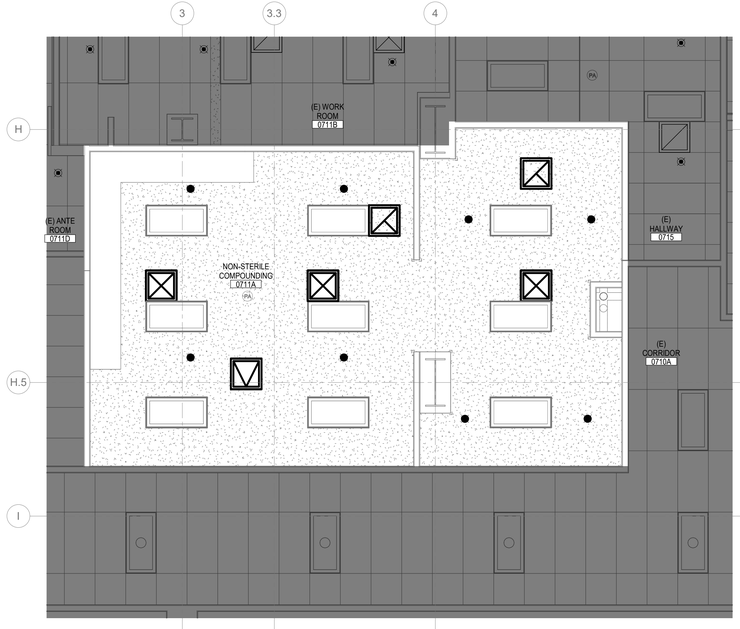
NOTES:
1. PROVIDE 2" OVERSIZE RING FOR SPRINKLER HEADS AT T-BAR CEILING PER ASTM-E580, 5.2.8.5.

SHEET NOTES:

1. NOT USED.
2. MODIFY EXISTING WET PIPE SPRINKLER SYSTEM WITHIN PROJECT BOUNDARY TO COMPLY WITH NFPA 13 LATEST EDITION. THE NEW FIRE SPRINKLER SYSTEM IS TO BE DESIGNED TO SUIT THE NEW USE OF THE REMODELED SPACES INCLUDING THE ABOVE CEILING SPACE AND AT THE ROOM LEVEL. ALL WORK IS TO CONFORM WITH SPECIFICATION SECTION 15300, FIRE PROTECTION GENERAL NOTES, AND THE LATEST EDITIONS OF ALL APPLICABLE CODES.
3. CONTRACTOR SHALL CLOSELY COORDINATE THE INSTALLATION OF THE SPRINKLER PIPING, LOCATION/PLACEMENT OF PIPES DROPS AND FIRE SPRINKLER HEADS WITHIN THE OUTLINED AREAS WITH ALL DISCIPLINES. REFER TO ARCHITECTURAL PLANS FOR REFLECTED CEILING CONDITIONS.
4. CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE AND PROJECT ARCHITECT TO PROVIDE ANY NEW VALVES, PIPING AND/OR ACCESSORIES NECESSARY TO MAINTAIN SERVICE TO THE EXISTING SYSTEM DURING PHASE CONSTRUCTION.

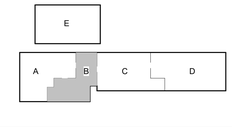


30 FP2.02A — FIRE PROTECTION - ENLARGED BASEMENT DEMO REFLECTED CEILING PLAN - PHASE 1 - ROOM 0711A
SCALE: 1/4" = 1'-0"



20 FP2.02A — FIRE PROTECTION - ENLARGED BASEMENT REMODEL REFLECTED CEILING PLAN - PHASE 1 - ROOM 0711A
SCALE: 1/4" = 1'-0"

KEY MAP



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Office of Statewide Hospital Planning and Development
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Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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230210.00 — PROJECT NO.

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Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: FIRE PROTECTION - ENLARGED DEMO AND REMODEL CEILING PLANS - BASEMENT - PHASE 1

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Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

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Tony Tan

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Account No.: 955891O
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Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: NOT USED

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Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

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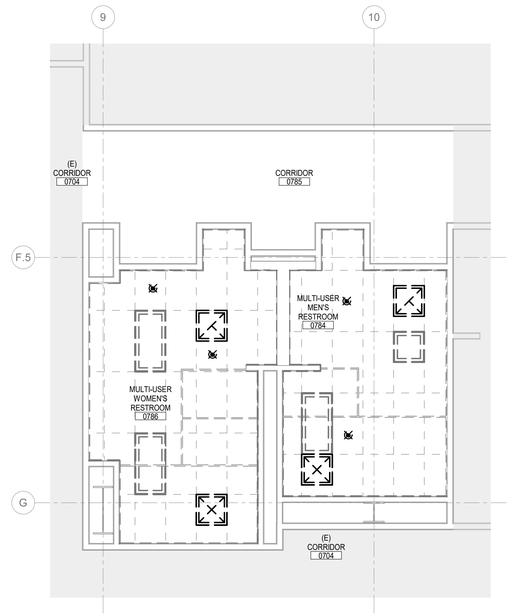
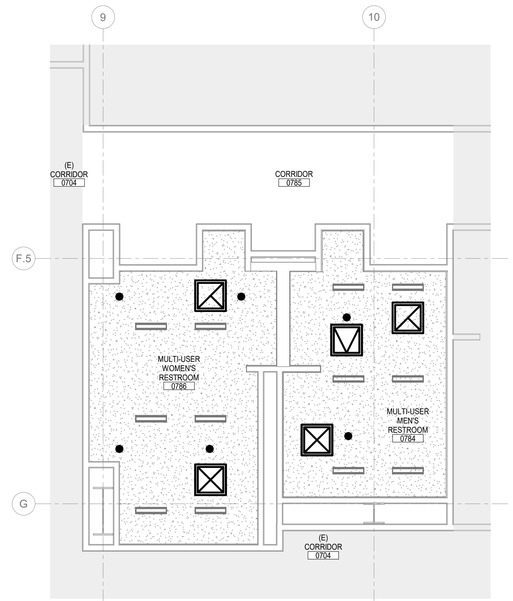
4. CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE AND PROJECT ARCHITECT TO PROVIDE ANY NEW VALVES, PIPING AND/OR ACCESSORIES NECESSARY TO MAINTAIN SERVICE TO THE EXISTING SYSTEM DURING PHASE CONSTRUCTION.

A2.1-101



8 FP2.03A FIRE PROTECTION - ENLARGED BASEMENT DEMO REFLECTED CEILING PLAN - PHASE 2 - MULTI-USER RESTROOM
SCALE: 1/4" = 1'-0"



10 FP2.03A FIRE PROTECTION - ENLARGED BASEMENT REMODEL REFLECTED CEILING PLAN - PHASE 2 - MULTI-USER RESTROOM
SCALE: 1/4" = 1'-0"

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Office of Statewide Hospital Planning and Development
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S24103-34-00-ACD0001
Tony Tan

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Rancho Cordova, California
JS - MN/KK PM - DESIGN TEAM
230210.00 PROJECT NO.

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3	Backcheck 2	12/13/2024
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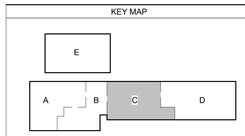
100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: FIRE PROTECTION - BASEMENT - ENLARGED DEMOLITION & NEW WORK CEILING PLANS - PHASE 2

KEY MAP


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UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	FP2.03A
Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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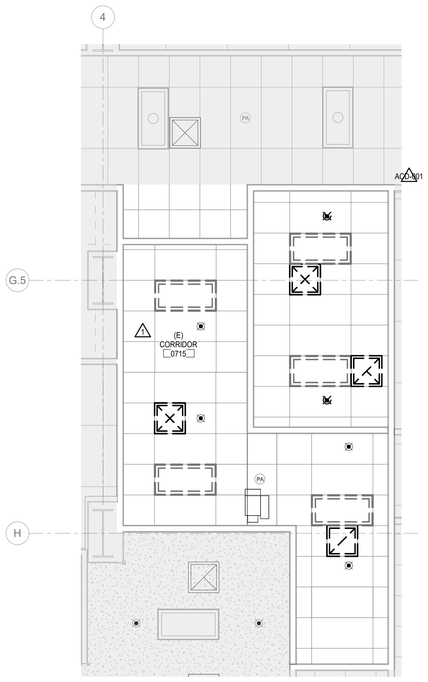
SPRINKLER HEAD SCHEDULE AND LEGEND

SYMBOL	DESCRIPTION	LOCATION	MANUFACTURER	SIN#	K-FACTOR	RESPONSE	DESCRIPTION	TEMP.	FINISH	THREAD SIZE	COMMENTS
⊠	DEMOLISHED SPRINKLER	-	-	-	-	-	-	-	-	-	-
⊛	EXISTING TO REMAIN	-	-	-	-	-	-	-	-	-	-
●	NEW PENDANT SPRINKLER	GYP. BRD. ACC. TILE	VIKING OR EQUAL	VK302	5.6	QUICK	SSP	155 °F	-	1/2"	RECESSED

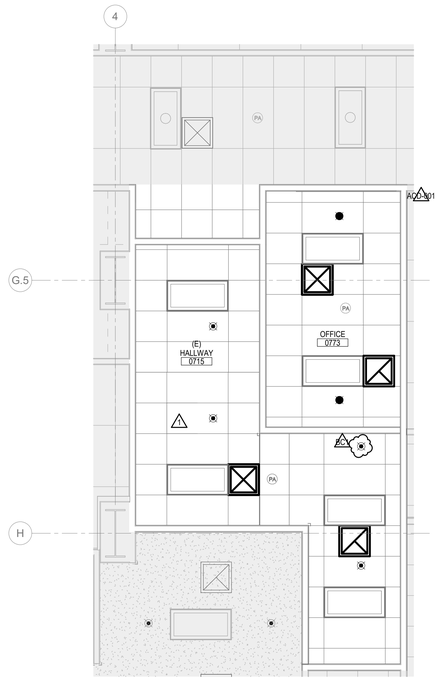
NOTES:
1. PROVIDE 2" OVERSIZE RING FOR SPRINKLER HEADS AT T-BAR CEILING PER ASTM-E580, 5.2.8.5.

SHEET NOTES:

1. NOT USED.
2. MODIFY EXISTING WET PIPE SPRINKLER SYSTEM WITHIN PROJECT BOUNDARY TO COMPLY WITH NFPA 13 LATEST EDITION. THE NEW FIRE SPRINKLER SYSTEM IS TO BE DESIGNED TO SUIT THE NEW USE OF THE REMODELED SPACES INCLUDING THE ABOVE CEILING SPACE AND AT THE ROOM LEVEL. ALL WORK IS TO CONFORM WITH SPECIFICATION SECTION 15300, FIRE PROTECTION GENERAL NOTES, AND THE LATEST EDITIONS OF ALL APPLICABLE CODES.
3. CONTRACTOR SHALL CLOSELY COORDINATE THE INSTALLATION OF THE SPRINKLER PIPING, LOCATION/PLACEMENT OF PIPES DROPS AND FIRE SPRINKLER HEADS WITHIN THE OUTLINED AREAS WITH ALL DISCIPLINES. REFER TO ARCHITECTURAL PLANS FOR REFLECTED CEILING CONDITIONS.
4. CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE AND PROJECT ARCHITECT TO PROVIDE ANY NEW VALVES, PIPING AND/OR ACCESSORIES NECESSARY TO MAINTAIN SERVICE TO THE EXISTING SYSTEM DURING PHASE CONSTRUCTION.

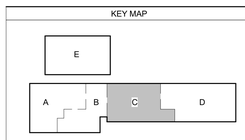


29 / FP2.03B
FIRE PROTECTION - ENLARGED BASEMENT DEMO
REFLECTED CEILING PLAN - PHASE 2 - OFFICE
SCALE: 1/4" = 1'-0"



19 / FP2.03B
FIRE PROTECTION - ENLARGED BASEMENT REMODEL
REFLECTED CEILING PLAN - PHASE 2 - OFFICE
SCALE: 1/4" = 1'-0"

KEY MAP



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Office of Statewide Hospital Planning and Development
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Tony Tan

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1	Backcheck 1	09/16/2024
3	Backcheck 2	12/13/2024
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BC1	Scope Reduction Backcheck 1	09/19/25

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A2.A01

Account No.: 9558910
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Floor/Wing: DAVIS TOWER BASEMENT
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Sheet Title: FIRE PROTECTION - BASEMENT - ENLARGED DEMOLITION & NEW WORK CEILING PLANS - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	FP2.03B
Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

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A2 A2.01

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Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: NOT USED

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. FP2.04A
UCDMC Project Mgr. AA	Scale:	
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Drawn By: MN	Revit Version: 2023	

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A2 A2.01

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Office of Statewide Hospital Planning and Development
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Sheet Title: NOT USED

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UCDMC Project Mgr. AA	Scale:	
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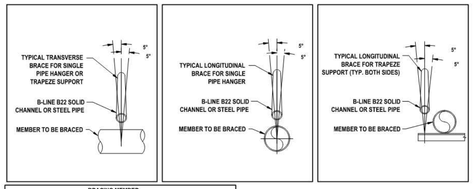
MAXIMUM ALLOWABLE LENGTHS AND AXIAL LOADS FOR BRACE MEMBERS



PIPE DIAMETER	MAXIMUM LENGTH	SCHED.	BRACING MEMBER ALLOWABLE HORIZ. SEISMIC LOAD (LBS)(ASD) BRACE ANGLE MEASURED FROM HORIZ. 0° - 30°	31° - 45°	46° - 60°
SEISMIC BRACING KLR = 200					
1"	7'-0"	40	970	792	560
1 1/4"	9'-0"	40	1307	1067	755
1 1/2"	10'-4"	40	1594	1301	920
2"	13'-1"	40	2126	1735	1227
3"	19'-6"	10	4330	3535	2500
3 1/2"	22'-4"	10	5284	4265	3030
4"	25'-0"	10	6235	5091	3600

STRUT SIZE	MAXIMUM LENGTH	BRACING MEMBER ALLOWABLE HORIZ. SEISMIC LOAD (LBS)(ASD) BRACE ANGLE MEASURED FROM HORIZ. 0° - 30°	31° - 45°	46° - 60°
SEISMIC BRACING KLR = 200				
B-LINE B22	9'-6"	1900	1552	1097
B-LINE B24	9'-6"	1488	1215	859

PRE STRETCHED GALVANIZED, TX19, AIRCRAFT CABLE DIAMETER	MAXIMUM LENGTH	BRACING MEMBER ALLOWABLE HORIZ. SEISMIC LOAD (LBS)(ASD) BRACE ANGLE MEASURED FROM HORIZ. 0° - 30°	31° - 45°	46° - 60°
SEISMIC BRACING KLR = N/A				
1/8"	∞	873	689	487
3/16"	∞	1774	1449	1024
1/4"	∞	2727	2227	1574

NOTES:
1.) ALL LONGITUDINAL AND TRANSVERSE BRACING UTILIZING PIPE OR CHANNEL AS THE BRACING MEMBER HAS A TOLERANCE OF 5° FROM CENTER IN WAY PLANE WITHOUT AFFECTING THE ALLOWABLE LOADS.
2.) TABULATED LOADS ARE SUBJECT TO LIMITS GOVERNED BY THE CAPACITY OF THE PRIMARY STRUCTURE, INCLUDING BUT NOT LIMITED TO, THE CONCRETE FILL OVER METAL DECK. CAPACITY PER THE CONTRACT DOCUMENTS.
3.) STEEL PIPE PER ASTM A53 TYPE E GRADE B.
4.) "MAXIMUM LENGTH" IS MEASURED FROM ENDS OF PIPE, OR ENDS OF STRUT, OR FROM ATTACHMENTS OF CABLE.
5.) PRE-STRETCHED GALVANIZED , 7 X19, AIRCRAFT CABLE SHALL BE IN COMPLIANCE WITH ASTM A1023.

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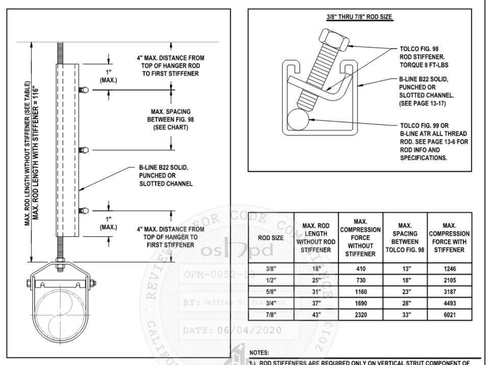
Structural Engineer: Mohammad Hariri
California SE No. S3545

PAGE: 12-20
DATE: NOVEMBER 29, 2016

12/06/2016 OPM-0052-13: Reviewed for Code Compliance by Jeffrey Kikumoto Page 431 of 501

3 FP6.01 Transverse Bracing Detail
SCALE: NONE

TOLCO FIG. 98 ROD STIFFENER



ROD SIZE	MAX. ROD LENGTH WITHOUT ROD STIFFENER	MAX. COMPRESSION FORCE WITHOUT STIFFENER	MAX. SPACING BETWEEN TOLCO FIG. 98	MAX. COMPRESSION FORCE WITH STIFFENER
3/8"	18"	410	13"	1246
1/2"	25"	730	18"	2105
5/8"	31"	1160	23"	3187
3/4"	37"	1690	28"	4493
7/8"	43"	2320	33"	6021

NOTES:
1.) ROD STIFFENERS ARE REQUIRED ONLY ON VERTICAL STRUT COMPONENT OF THE SEISMIC BRACE SYSTEM ON HANGER AND TRAPEZE ASSEMBLIES THAT HAVE SEISMIC BRACING BRACING ATTACHED AT OR WITHIN 6" OF THE ROD. A MINIMUM OF TWO ROD STIFFENERS (TOLCO FIG. 98) MUST BE INSTALLED.
2.) DETAIL APPLIES TO ALL HUNG UTILITIES INCLUDING SINGLE HUNG UTILITIES, TRAPEZE HUNG UTILITIES, AND HUNG EQUIPMENT.
3.) AN EXCEPTION IS THE USE OF TWO OPPOSING RIGID BRACES AT THE SAME LOCATION. FOR INDIVIDUALLY HUNG PIPE THE TWO OPPOSING RIGID BRACES MUST BE AT THE SAME HANGER ROD; TOTAL OF TWO (2) FOR TRANSVERSE, OR TWO (2) FOR LONGITUDINAL. FOR A TRAPEZE HANGER THE TWO OPPOSING RIGID BRACES MUST BE AT THE SAME HANGER ROD; TOTAL OF TWO (2) FOR TRANSVERSE, OR FOUR (4) FOR LONGITUDINAL. THE TWO OPPOSING BRACES MUST BE AT THE SAME ANGLE FROM HORIZONTAL AND WITHIN 5-DEGREES OF 180 DEGREES FROM EACH OTHER. IN THIS CASE NO STIFFENING OF VERTICAL ROD IS NECESSARY.
4.) MATERIAL SPECIFICATIONS FOR TOLCO FIG. 98, BODY: ASTM A-1011-CS TYPE B SAE 1006, BOLT: HEX BOLT GRADE 5

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PAGE: 12-16
DATE: NOVEMBER 29, 2016

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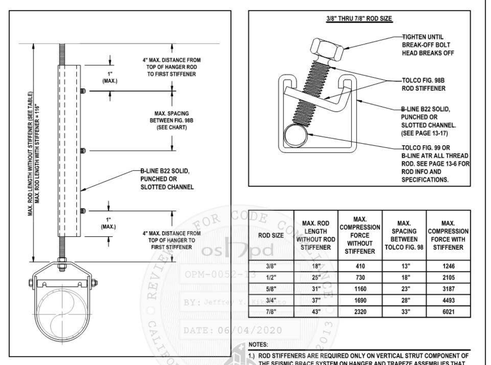
2 FP6.01 Rod Stiffener Detail
SCALE: NONE

TOLCO FIG. 98B ROD STIFFENER



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NOTES:
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4.) MATERIAL SPECIFICATIONS FOR TOLCO FIG. 98B, BODY: ASTM A-1011 CS TYPE B SAE; BREAK-OFF BOLT: 1035 (AISI-SAE) CASE HARDENED TO 0.015 MIN. DEPTH THRU HARDENED @ 45-55 RC FROM ANNEALED CONDITION.

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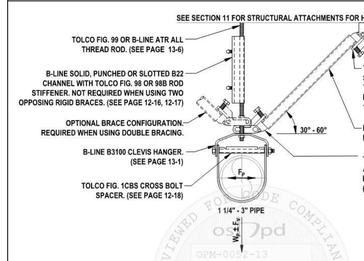
TRANSVERSE RIGID BRACING FOR SINGLE HUNG PIPE OR CONDUIT WITH CLEVIS HANGER

DETAIL 1



PIPE DIAMETER	TRANSVERSE ASSEMBLY ALLOWABLE LOAD (ASD) BRACE ANGLE MEASURED FROM HORIZ. (lbs) 30°	31° - 45°	46° - 60°
1 1/4" - 2 1/2"	93	97	96
3"	111	109	107

GENERAL NOTES:
1.) LOADS LISTED ABOVE ARE FOR SCHEDULE 10 AND BETTER PIPING. THE FOLLOWING REDUCTIONS SHALL APPLY FOR OTHER PIPING AND SYSTEMS:
a.) THIN WALL PIPING - REDUCE LOADS BY 0%
b.) CONDUITS EXCLUDING EMT - REDUCE LOADS BY 0%
2.) PIPES WITH INSULATION SHALL NOT BE USED.
3.) THE FIG 909 AND FIG 910 ARE FOR USE ONLY WITH STEEL PIPE BRACES, PER PAGES 12-11 AND 12-12.

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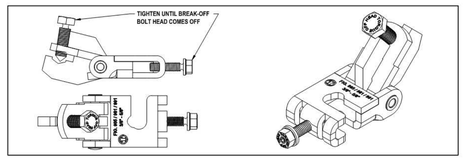
1 FP6.01 Pipe Hanger Detail
SCALE: NONE

TOLCO FIG. 981 "FAST ATTACH" UNIVERSAL SWIVEL SWAY BRACE ATTACHMENT



MINIMUM ROD SIZE	MAXIMUM ROD SIZE	COMPONENT ALLOWABLE HORIZONTAL LOAD (LBS)(ASD) 0° - 30°	31° - 45°	46° - 60°
3/8"	5/8"	1840	1819	1384
3/4"	3/4"	1790	1891	1021

NOTES:
1.) MAX. ROD SIZE 7/8", FOR LARGER ROD DIAMETERS USE FIG. 980H.
2.) BRACE MAY BE B-LINE B22 SOLID CHANNEL, SCH. 40 STEEL PIPE, OR OTHER APPROVED MEMBER. SEE PAGE 12-20.
3.) MAY ONLY BE INSTALLED AT HANGER LOCATION, NOT TO THE STRUCTURE.

EATON'S B-LINE BUSINESS
509 WEST MONROE STREET | HIGHLAND, IL 62249
P: (800) 851-7415 | F: (800) 356 1438
Powering Business Worldwide

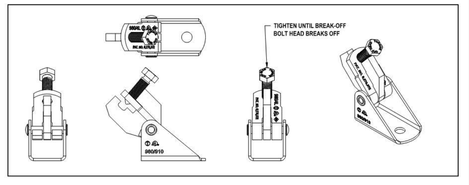
Structural Engineer: Mohammad Hariri
California SE No. S3545

PAGE: 12-2
DATE: NOVEMBER 29, 2016

12/06/2016 OPM-0052-13: Reviewed for Code Compliance by Jeffrey Kikumoto Page 414 of 501

5 FP6.01 Transverse Bracing Detail
SCALE: NONE

TOLCO FIG. 980 UNIVERSAL SWIVEL SWAY BRACE ATTACHMENT



BRACE ANGLE MEASURED FROM HORIZ.	COMPONENT ALLOWABLE LOAD (LBS)(ASD) 0° - 30°	31° - 45°	46° - 60°
ALLOWABLE HORIZONTAL LOAD (LBS)	1790	1819	1021

NOTES:
1.) MAX. ROD SIZE 3/4", FOR LARGER ROD DIAMETERS USE FIG. 980H.
2.) BRACE MAY BE B-LINE B22 SOLID CHANNEL, SCH. 40 STEEL PIPE, OR OTHER APPROVED MEMBER. SEE PAGE 12-20.
3.) MAY BE INSTALLED AT THE STRUCTURE OR AT THE HANGER LOCATION.

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Structural Engineer: Mohammad Hariri
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PAGE: 12-1
DATE: NOVEMBER 29, 2016

12/06/2016 OPM-0052-13: Reviewed for Code Compliance by Jeffrey Kikumoto Page 413 of 501

4 FP6.01 Transverse Bracing Detail
SCALE: NONE

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER STEPHEN A. NEVES M 24700 EXPIRES 3/31/25 MECHANICAL STATE OF CALIFORNIA

DATE SIGNED: 06/12/2024
DESIGN PROFESSIONALS OF RECORD:

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(916)734-7024

HY ARCHITECTS PROJECT #: 5938

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4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

capital engineering
RANCHO CORDOVA, CALIFORNIA
JS - MN/KK — PM - DESIGN TEAM
230210.00 — PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date
1	Backcheck 1	09/16/2024

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCA No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: FIRE PROTECTION DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 6" = 1'-0"	FP6.01
Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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FURNITURE SCHEDULE

	CODE	RESPONSIBILITY CODE	PRODUCT DESCRIPTION	MANUFACTURER	MODEL
	ADJ1	OFVI	HEIGHT ADJUSTABLE TABLE, 24" X 48"	HERMAN MILLER	TBD
	ADJ2	OFVI	HEIGHT ADJUSTABLE TABLE, 30" X 60"	HERMAN MILLER	TBD
	ADJ3	OFVI	HEIGHT ADJUSTABLE TABLE, 24" X 60"	HERMAN MILLER	C4313.2460C
	ADJ5	OFVI	HEIGHT ADJUSTABLE TABLE, 24" X 48"	HERMAN MILLER	MGELTRQ
	ADJ6	OFVI	HEIGHT ADJUSTABLE TABLE, 30" X 60"	HERMAN MILLER	MGELTRQ
	ADJ7	OFVI	HEIGHT ADJUSTABLE TABLE, 24" X 52"	HERMAN MILLER	C4313.2460C
	ERG1	OFVI	ERGONOMIC MONITOR LIFT	HUMANSCALE	M8 ADJUSTABLE
	FP1	OFVI	FURNITURE PANELS	HERMAN MILLER	TBD
ACD001	MOPED1	OFVI	MOBILE PEDESTAL	HERMAN MILLER	RPM2421CP
	MTAMC	OFVI	1 x +Cor Filler,36"-high to-the-floor base case,high-pressure lam, 1 x +Mora Corian Work Surface, 4H Integrated Backsplash 24D 48W, 1 x +Mora Corian Work Surface, 4H Integrated Backsplash 24D 72W, 1 x @Corian Cor Worksurface,24" d,48" w - for use w/ 24" w cases,4" h integ, 2 x +Drawer,A-Size,No Lock, 2 x +Drw Bearer Pkg 3/4W 14D, 4 x Lab Base Bottle Drawer Cabinet, 35"H x 24"W, (4) A Height Drawers, Bar Pulls, 2 x Lab Base Cabinet Filler, Rear, 24"D, 6 x *Wall Strip 84H, 1 x *Under Shf LED Task Light,36" w,for Action Office or Ethospace Systems or Canvas, 3 x *Under Shf LED Task Light,48" w,for Action Office or Ethospace Systems or Canvas, 1 x +Ganging Hardware Pack (Qty 12), 2 x +Mora To-The-Floor Dwr Case,Indv Dwr Frts/3 Sm Dwrs/1 Lg Drw,NL,Bar Pull,LPL Case/Frt/Side 36H 24W 24D, 1 x +Mora To-The-Floor Door Case,Dbl Doors w/False Drw Frt and Shelf,L/R Hinge,NL,Bar Pull,LPL Case/Frt/Side 36H 30W 24D, 1 x +Mora Plinth Base, Finished, Flush on Both/Inline, HPL 24D 30W, 1 x +Mora Plinth Base, Finished, Flush on Both/Inline, HPL 24D 48W, 1 x +Mora Corian Work Surface, 4H Integrated Backsplash 24D 24W, 1 x +Mora Corian Worksurf w/Rect Sink, Sink Centered Above 30W Cab on Right, 4H Backsplash 24D 54W, 4 x +Mora Surface Wall Attachment Support, 1 x +Mora Cantilever, 19D LPL, 1 x +Shelf Unit,5 Shlvs and 34H, 16D 30W, 2 x +Shelf Unit,5 Shlvs and 34H, 16D 36W, 2 x +Shelf Unit,5 Shlvs and 34H, 16D 48W, 1 x +Shelf Unit,Diagonal Cnr, 3 Shlvs and 24H, 1 x +Shelf Unit,Add On, 16D 28 3/4W, 2 x +Shelf Unit,Add On, 16D 34 3/4W, 2 x +Shelf Unit,Add On, 16D 46 3/4W, 1 x +Shelf Unit,Wall Att Pnl 34H 30W, 2 x +Shelf Unit,Wall Att Pnl 34H 36W, 2 x +Shelf Unit,Wall Att Pnl 34H 48W, 4 x +Light Brkt, for 16"-deep shlf	HERMAN MILLER	CH435.36TH
	MTAWT	OFVI	2 x @Adjustable Work Table Base, Casters, Upper Stretcher 24D 72W, 2 x @Work Table Surface, Rectangular, Chemsurf 24D 72W, 6 x +C Frame 22W 17D, 12 x +Drawer,A-Size,No Lock, 12 x +Drawer,B-Size,No Lock	HERMAN MILLER	C462C.2472A
	STL1	OFVI	STOOL, HIGH, W/ BRACKET	PEDIGO PRODUCTS, INC.	NEQ-10
	TKCH1	OFVI	TASK CHAIR	HERMAN MILLER	4821410S

FURNITURE RESPONSIBILITY LEGEND

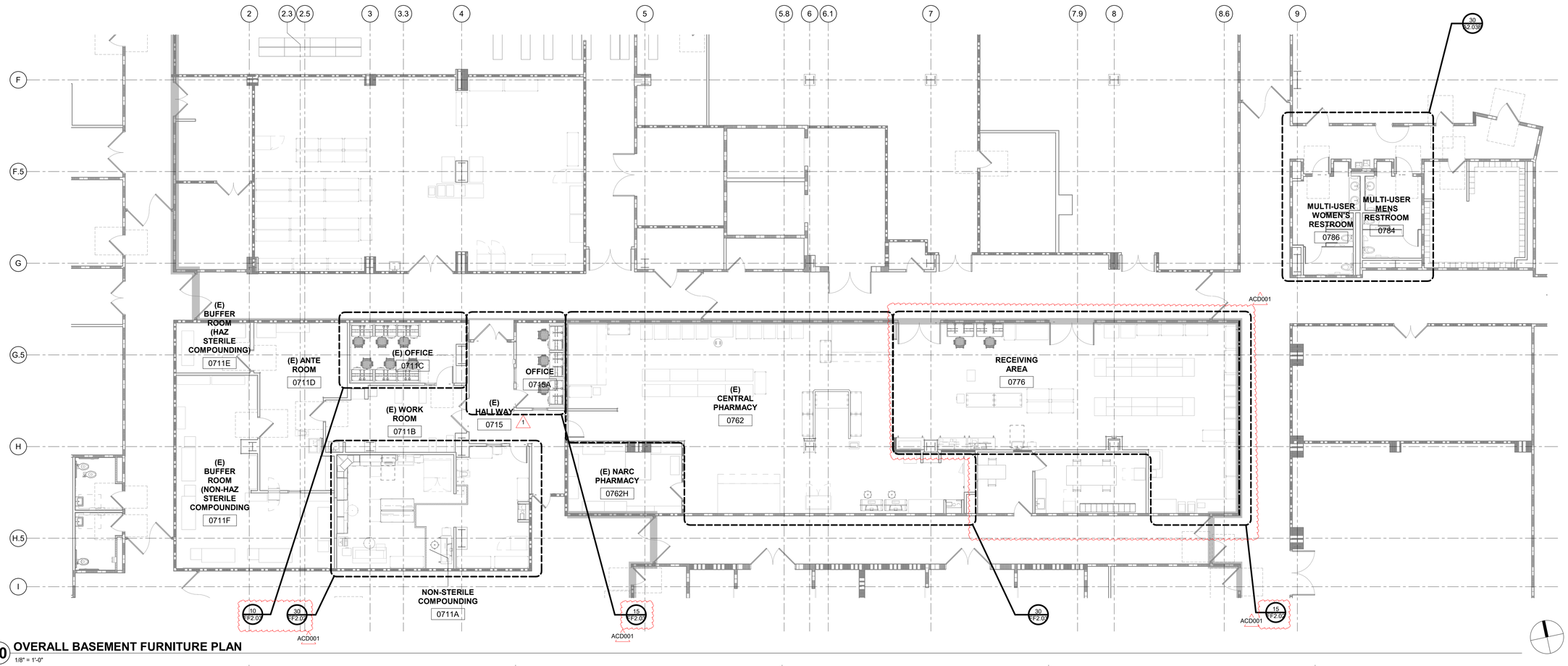
CFCI= CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
OFCI= OWNER FURNISHED; CONTRACTOR INSTALLED
OFOII= OWNER FURNISHED; OWNER IT INSTALLED
OFOI= OWNER FURNISHED; OWNER INSTALLED
OFVI= OWNER FURNISHED; VENDOR INSTALLED

GENERAL FURNITURE NOTES

EXISTING CONDITIONS
1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO FURNITURE INSTALLATION

PROJECT REQUIREMENTS
1. REFER TO NEW/REMODEL PLANS, INTERIOR ELEVATIONS, SPECIFICATIONS AND SSD FOR ADDITIONAL COORDINATION & SUBSTRATE PREP WORK FOR ANCHORED FURNITURE.
2. GENERAL CONTRACTOR TO VERIFY LEAD TIMES ON ALL SPECIFIED PRODUCTS IMMEDIATELY UPON PROJECT AWARDMENT, SOME PRODUCTS REQUIRE 6 - 12 WEEKS LEAD TIME. INCLUDE FURNITURE PURCHASE ORDER (PO) NEED BY DATE & FURNITURE ON SITE NEED BY DATE WITHIN THE PROJECT SCHEDULE.
3. GENERAL CONTRACTOR TO COORDINATE REQUIRED FURNITURE VENDOR INSTALLATION HOURS WITH OWNER & ARCHITECT.
4. PROVIDE BACKING FOR ALL WALL MOUNTED FURNITURE, SSD.
5. REFER TO FURNITURE SYSTEMS DRAWINGS, SED, AND SSD FOR MODULAR FURNITURE REQUIREMENTS.
6. ALL MOTORIZED ADJUSTABLE TABLES TO BE FABRICATED & ASSEMBLED BY CABINET SHOP. FIELD MEASURE WALLS & CASEWORK LOW-WALLS FOR ACCURATE TABLE TOP SIZING. REFER TO NEW REMODEL PLANS. CABINET SHOP TO PROCURE ALL SPECIFIED COMPONENTS & ACCESSORIES. REFER TO ADJ ON I1.00.

AGENCY/CODE REQUIREMENTS
1. NO COMBUSTIBLE FURNITURE OR MATERIALS TO BE STORED AT CORRIDOR ALCOVES PER CFC 1031.1 (CCR TITLE 19, DIVISION 1, SECTION 3.11(B)).
2. STORAGE CABINETS SHALL COMPLY WITH HCAI PIN 68 TABLE 13.5-1.



30 OVERALL BASEMENT FURNITURE PLAN
1/8" = 1'-0"

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEVIN YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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SACRAMENTO, CALIFORNIA, 95817
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HY ARCHITECTS PROJECT #: 5938
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4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCA No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OVERALL FURNITURE PLAN

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	FF2.01
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

0 5' 50'
GRAPHIC SCALES: 1/16" = 1'-0"

0 5' 25'
1/8" = 1'-0"

0 1' 12'
1/4" = 1'-0"

0 1' 6'
1/2" = 1'-0"

0 4'
3/4" = 1'-0"

0 1' 3'
1" = 1'-0"

0 2'
1 1/2" = 1'-0"

0 1'
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3" = 1'-0"

FURNITURE RESPONSIBILITY LEGEND

CFCI= CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
OFCI= OWNER FURNISHED; CONTRACTOR INSTALLED
OFOII= OWNER FURNISHED; OWNER IT INSTALLED
OFOI= OWNER FURNISHED; OWNER INSTALLED
OFVI= OWNER FURNISHED; VENDOR INSTALLED

GENERAL FURNITURE NOTES

EXISTING CONDITIONS
1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO FURNITURE INSTALLATION

PROJECT REQUIREMENTS
1. REFER TO NEW/REMODEL PLANS, INTERIOR ELEVATIONS, SPECIFICATIONS AND SSD FOR ADDITIONAL COORDINATION & SUBSTRATE PREP WORK FOR ANCHORED FURNITURE.
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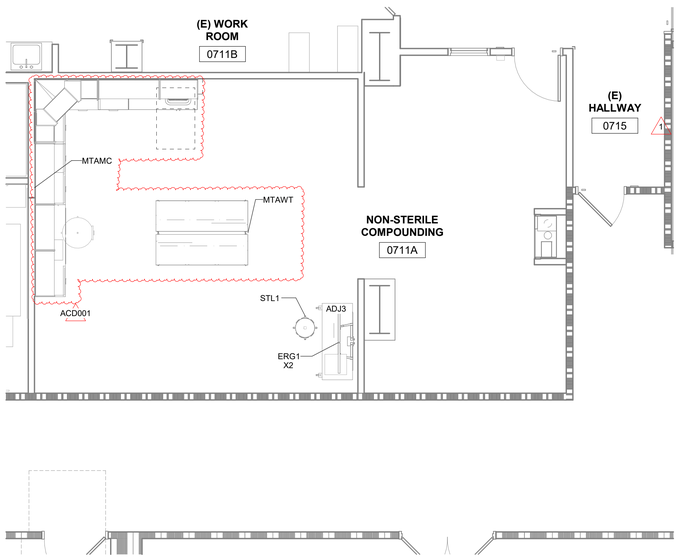
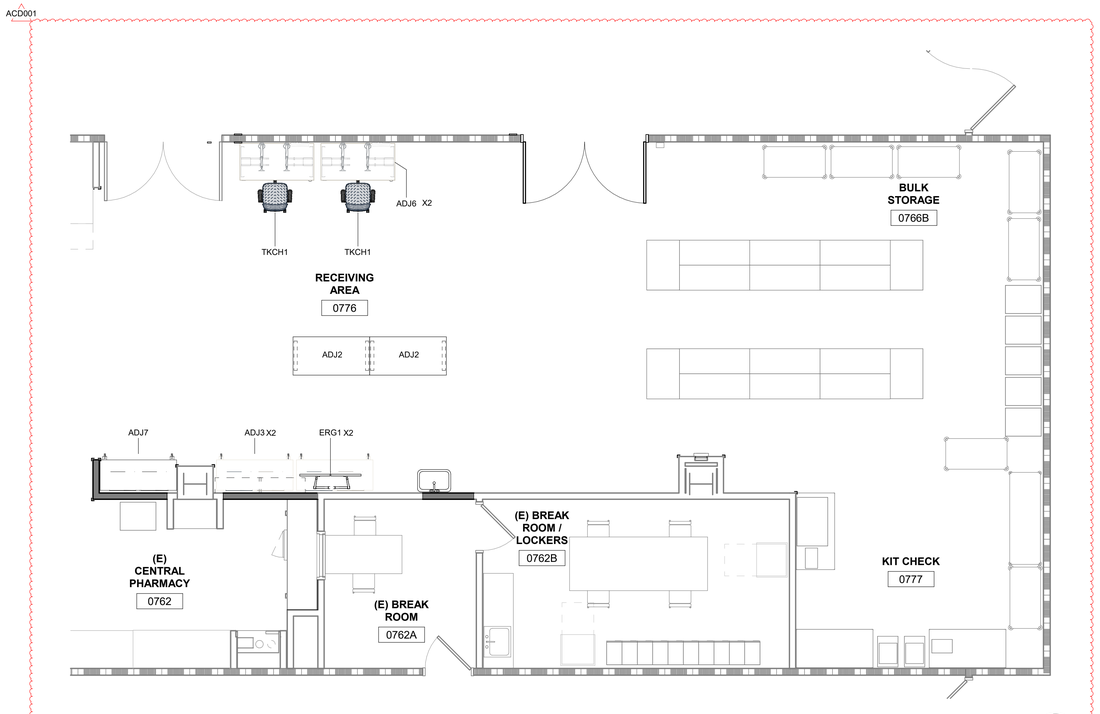
2. STORAGE CABINETS SHALL COMPLY WITH HCAI PIN 68 TABLE 13.5-1.



30 ENLARGED FURNITURE PLAN - PHASE 1 - ROOM 0711A
1/4" = 1'-0"



15 ENLARGED FURNITURE PLAN - PHASE 1 - ROOM 0776, ROOM 0777, & ROOM 0778
1/4" = 1'-0"

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT TONY YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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CONSULTANTS:

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1	BACKCHECK 1	09/16/2024
5	SCOPE REDUCTION	Date 5

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Account No.: 9558910
HCA No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: FURNITURE PLAN - BASEMENT - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. FF2.02
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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FURNITURE RESPONSIBILITY LEGEND

CFCI= CONTRACTOR FURNISHED; CONTRACTOR INSTALLED
OFCI= OWNER FURNISHED; CONTRACTOR INSTALLED
OFOII= OWNER FURNISHED; OWNER IT INSTALLED
OFOI= OWNER FURNISHED; OWNER INSTALLED
OFVI= OWNER FURNISHED; VENDOR INSTALLED

GENERAL FURNITURE NOTES

EXISTING CONDITIONS
1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO FURNITURE INSTALLATION

PROJECT REQUIREMENTS
1. REFER TO NEW/REMODEL PLANS, INTERIOR ELEVATIONS, SPECIFICATIONS AND SSD FOR ADDITIONAL COORDINATION & SUBSTRATE PREP WORK FOR ANCHORED FURNITURE.
2. GENERAL CONTRACTOR TO VERIFY LEAD TIMES ON ALL SPECIFIED PRODUCTS IMMEDIATELY UPON PROJECT AWARDMENT, SOME PRODUCTS REQUIRE 6 - 12 WEEKS LEAD TIME. INCLUDE FURNITURE PURCHASE ORDER (PO) NEED BY DATE & FURNITURE ON SITE NEED BY DATE WITHIN THE PROJECT SCHEDULE.
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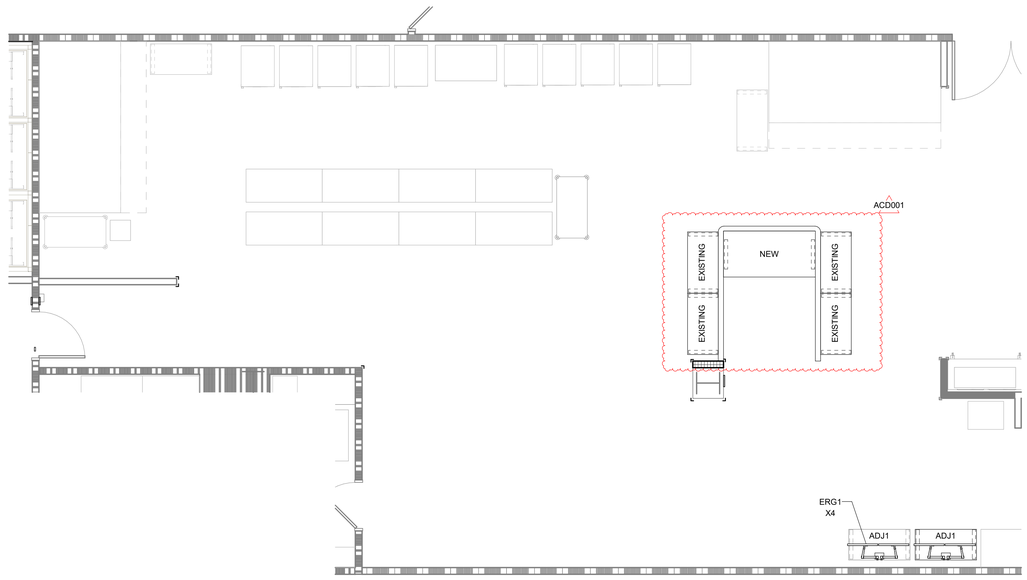
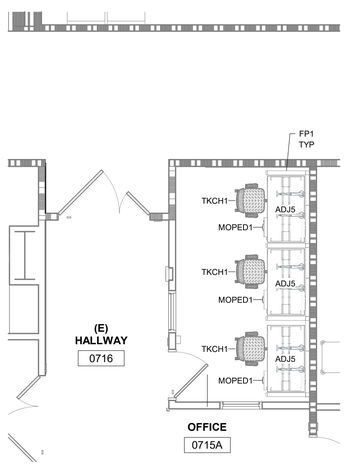
4. PROVIDE BACKING FOR ALL WALL MOUNTED FURNITURE, SSD.
5. REFER TO FURNITURE SYSTEMS DRAWINGS, SED, AND SSD FOR MODULAR FURNITURE REQUIREMENTS.
6. ALL MOTORIZED ADJUSTABLE TABLES TO BE FABRICATED & ASSEMBLED BY CABINET SHOP. FIELD MEASURE WALLS & CASEWORK LOW-WALLS FOR ACCURATE TABLE TOP SIZING. REFER TO NEW REMODEL PLANS. CABINET SHOP TO PROCURE ALL SPECIFIED COMPONENTS & ACCESSORIES. REFER TO ADJ ON I1.00.

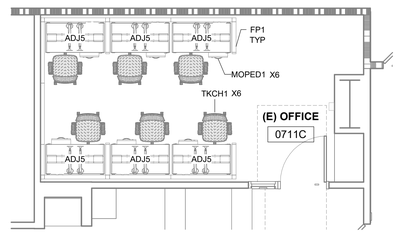
AGENCY/CODE REQUIREMENTS
1. NO COMBUSTIBLE FURNITURE OR MATERIALS TO BE STORED AT CORRIDOR ALCOVES PER CFC 1031.1 (CCR TITLE 19, DIVISION 1, SECTION 3.11(B)).
2. STORAGE CABINETS SHALL COMPLY WITH HCAI PIN 68 TABLE 13.5-1.



30 **ENLARGED FURNITURE PLAN - PHASE 2 - ROOM 0762**
1/4" = 1'-0"



15 **ENLARGED FURNITURE PLAN - PHASE 2 - OFFICES**
1/4" = 1'-0"



10 **ENLARGED FURNITURE PLAN - PHASE 2 - ROOM 0711C**
1/4" = 1'-0"

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — KEN YAMAUCHI — C-26566 — 02-28-2027 RENEWAL DATE — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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HY ARCHITECTS PROJECT #: 5938
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4602 2nd Street, Suite 3
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530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

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Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: FURNITURE PLAN - BASEMENT - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	FF2.03
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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SCOPE PHASE REVISED
SHEET NO LONGER NEEDED

1

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APPROVED

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Office of Statewide Hospital Planning and Development
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S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT
HEIDI YAMAUCHI
C-26566
02-28-2027
RENEWAL DATE
STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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Floor/Mnnr. DAVIS TOWER BASEMENT
Project DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
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Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. FF2.04
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Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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FINISH SCHEDULE

CODE	PRODUCT DESCRIPTION	MANUFACTURER	MODEL INFORMATION	COLOR & FINISH INFORMATION
ACCESSORIES				
CG1	CORNER GUARD, 2" X 2" (90°)	ACROVYN	SERIES NO.: SSM-20AN SERIES NAME: SOLID COLOR 4000 PVC FREE W/ ALUMINUM RETAINER SIZE: 2" X 2" X SEE INTERIOR ELEVATIONS	COLOR NO.: 949 COLOR NAME: WHITE TEXTURE: SHADOW GRAIN
TP1	TOILET PARTITION	SCRANTON PRODUCTS	SERIES NAME: HINY HIDERS	COLOR NO.: N/A COLOR NAME: STAINLESS FINISH NAME: ROTARY BRUSHED
WC1	WALL COVERING	MDC INTERIOR SOLUTIONS	SERIES NAME: LEN-TEX CONTRACT COLLECTION: SIGIL	COLOR NO.: 1506SG COLOR NAME: WISDOM
WP1	WALL PROTECTION	ACROVYN	SERIES NO.: .04 SHEET SERIES NAME: SOLID CORE 4000 PVC FREE	COLOR NO.: 949 COLOR NAME: WHITE TEXTURE: SHADOW GRAIN
CASEWORK				
DP1	DECORATIVE PANEL	3-FORM	SERIES NAME: VARIA	COLOR NAME: GRAYS FINISH FRONT/ BACK: SANDSTONE PATTERN: 50% DENSITY GAUGE: 3/8"
PL1	PLASTIC LAMINATE, FIELD	WILSONART	HIGH PRESSURE LAMINATE	COLOR NO.: 8208 COLOR NAME: FAWN CYPRESS FINISH NO.: K-16 FINISH NAME: AEON
PL2	PLASTIC LAMINATE, ACCENT	FORMICA	FENIX NTM - STANDARD CORE	COLOR NO.: J0750 COLOR NAME: VERDE COMODOR FINISH NO.: N/A FINISH NAME: FN THICKNESS: 0.7MM
SS1	SOLID SURFACE, (E) CENTRAL PHARMACY	CORIAN	COLLECTION: QUARTZ THICKNESS: 2CM	COLOR NO.: N/A COLOR NAME: TBD FINISH:
SS2	SOLID SURFACE, RESTROOM	CORIAN	COLLECTION: QUARTZ THICKNESS: 2CM	COLOR NO.: N/A COLOR NAME: CALACATTA MEDALLION FINISH: POLISHED
CEILING				
ACT1	ACOUSTICAL CEILING TILE, FIELD	ARMSTRONG	GRID STYLE SERIES NO.: 7301 GRID STYLE SERIES: PRELUDE XL 15/16" EXPOSED TEE GRID TILE STYLE SERIES NO.: 1910 & 1913 TILE STYLE SERIES NAME: ULTIMA; SQUARE LAY-IN SIZE: 24" X 24" & 24" X 48" THICKNESS: 3/4"	COLOR NAME: WHITE
ACT2	ACOUSTICAL CEILING TILE, HIGH ACOUSTICAL	ARMSTRONG	GRID STYLE SERIES NO.: 7301 GRID STYLE SERIES: PRELUDE XL 15/16" EXPOSED TEE GRID TILE STYLE SERIES NO.: 1940 & 1943 TILE STYLE SERIES NAME: ULTIMA HIGH NRC; SQUARE LAY-IN SIZE: 24" X 24" & 24" X 48"; REFER TO RCP FOR GRID SIZES THICKNESS: 3/4"	COLOR NAME: WHITE
FLOORING				
B1	BASE, 4" TOP SET RUBBER, MATCH EXISTING	MANNINGTON COMMERCIAL	BURKEBASE THERMOPLASTIC RUBBER WALL BASE TYPE TP 1/8" STANDARD 5/8" TOE PROFILE 100' SEAMLESS ROLL HAND WRAP INSIDE & OUTSIDE CORNERS	COLOR NO: 508 COLOR NAME: TWEED FINISH NO.: MATTE
B2	BASE, 6" INTEGRAL COVED	SEE ADJACENT SHEET FLOORING MODEL INFORMATION	SEE ADJACENT SHEET FLOORING MODEL INFORMATION	SEE ADJACENT SHEET FLOORING MODEL INFORMATION
EP1	EPOXY	STONHARD	COLLECTION: STONSHIELD STYLE SERIES NO.: TBD STYLE SERIES NAME: TBD THICKNESS: TBD	COLOR NO.: TBD COLOR NAME: TBD
RS1	RESILIENT RUBBER SHEET, FIELD	NORA SYSTEMS	COLLECTION: NORAPLAN DARIVA SIZE: 15M X 1.2M THICKNESS: 2.0MM COLD WELD ALL SEAMS	COLOR NO.: 6721 COLOR NAME: SANDBAR
RT1	RESILIENT RUBBER TILE, FIELD W/6" INTEGRAL COVED BASE	NORA SYSTEMS	COLLECTION: NORAMENT SATURA SIZE: 1004MM X 1004MM THICKNESS: 3.5MM COLD WELD ALL SEAMS	COLOR NO.: 5106 COLOR NAME: VULPECULA
RT2	RESILIENT RUBBER TILE, ACCENT	NORA SYSTEMS	COLLECTION: NORAMENT SATURA SIZE: 1004MM X 1004MM THICKNESS: 3.5MM COLD WELD ALL SEAMS	COLOR NO.: 5119 COLOR NAME: MARS
VCT1	VCT, MATCH EXISTING	ARMSTRONG	COLLECTION: STANDARD EXCELON SIZE: 12" X 12" IMPERIAL TEXTURE	COLOR NO.:COLOR NO: 51839 COLOR NAME: FORTRESS WHITE
PAINT				
P1	PAINT, FIELD	DUNN EDWARDS	REFER TO SPECIFICATIONS FOR PAINT SYSTEMS	COLOR NO.: DEW379 COLOR NAME: IGLOO
P2	PAINT, FIELD, MATCH EXISTING	DUNN EDWARDS	REFER TO SPECIFICATIONS FOR PAINT SYSTEMS	COLOR NO.: MATCH EXISTING COLOR NAME: MATCH EXISTING
P3	PAINT, ACCENT	DUNN EDWARDS	REFER TO SPECIFICATIONS FOR PAINT SYSTEMS	COLOR NO.: DE5821 COLOR NAME: OVERCAST SKY
P4	PAINT, ACCENT	DUNN EDWARDS	REFER TO SPECIFICATIONS FOR PAINT SYSTEMS	COLOR NO.: DE6333 COLOR NAME: HAMILTON BLUE
TILE				
TF1	TILE, FLOOR, FIELD	TILE MANUFACTURER: EMSER TILE GROUT MANUFACTURER: MAPEI	TILE COLLECTION: FIXT TILE STYLE SERIES NAME: STONE TILE SIZE: 12 X 24 TILE THICKNESS: 9MM EPOXY GROUT MODEL: KERAPOXY CQ GROUT THICKNESS: 1/8"	TILE COLOR NAME: STONE GRAY TILE FINISH: GLAZED GROUT COLOR NO.: 19 GROUT COLOR NAME: PEARL GRAY
TW1	TILE, WALL, FIELD	TILE MANUFACTURER: EMSER TILE GROUT MANUFACTURER: MAPEI	TILE COLLECTION: FIXT TILE STYLE SERIES NAME: CEMENT TILE SIZE: 12 X 24 TILE THICKNESS: 9MM EPOXY GROUT MODEL: KERAPOXY CQ GROUT THICKNESS: 1/8"	TILE COLOR NAME: WHITE TILE FINISH: MATTE GROUT COLOR NO.: 93 GROUT COLOR NAME: WARM GRAY
TW2	TILE, WALL, ACCENT	TILE MANUFACTURER: EMSER TILE GROUT MANUFACTURER: MAPEI	TILE COLLECTION: SPLASH TILE STYLE SERIES NAME: GLASS MOSAIC TILE SIZE: 12" X 12" TILE THICKNESS: 6.35 MM EPOXY GROUT MODEL: KERAPOXY CQ GROUT THICKNESS: 1/8"	TILE COLOR NAME: BLUE TILE FINISH: GLOSSY GROUT COLOR NO.: 93 GROUT COLOR NAME: WARM GRAY

ACD001

GENERAL FINISH NOTES

EXISTING CONDITIONS
1.1 NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO FINISHES INSTALLATION.

PROJECT REQUIREMENTS
2.1 REFER TO NEW/ REMODEL PLANS, INTERIOR ELEVATIONS, AND SPECIFICATIONS FOR FINISH INFORMATION AND ADDITIONAL INFORMATION ON SUBSTRATE PREP WORK & REQUIRED TESTING PRIOR TO FINISHES INSTALLATION.

2.2 GENERAL CONTRACTOR & SUB-CONTRACTORS TO VERIFY LEAD TIMES ON ALL PRODUCTS IMMEDIATELY UPON PROJECT AWARDMENT. SOME PRODUCTS REQUIRE 6-12 WEEKS LEAD TIME AND SUBSTITUTIONS ARE NOT ALLOWED, UON. ALLOW FOR MULTIPLE ROUNDS OF SUBMITTAL REVIEWS WITHIN THE PROJECT SCHEDULE.

2.3 REFER TO SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS. REFER TO BELOW FOR ADDITIONAL PROJECT SPECIFIC REQUIREMENTS.

2.4 PROVIDE COMPLETE FLOORING SUBMITTAL IN 1 PACKAGE: FLOORING, SLAB PREP AND ADHESIVE PRODUCT DATA AND SAFETY DATA SHEETS, FLOORING SEAM DIAGRAM, AND (3) PHYSICAL SAMPLES FOR EACH PRODUCT IN THE SPECIFIED COLOR AND FINISH.

2.5 PROVIDE COMPLETE WALL PROTECTION SUBMITTAL IN 1 PACKAGE: WALL PROTECTION, ADHESIVE, AND ATTACHMENT PRODUCT DATA AND SAFETY DATA SHEETS, SHOP DRAWINGS INDICATING TYPES PER LOCATION, FABRICATION DETAILS, AND (3) PHYSICAL SAMPLES FOR EACH PRODUCT IN THE SPECIFIED COLOR AND FINISH.

2.6 PROVIDE COMPLETE PAINT SUBMITTAL IN 1 PACKAGE: PAINT AND PRIMER PRODUCT DATA AND SAFETY DATA SHEETS, AND (3) PHYSICAL BRUSHOUTS FOR EACH SPECIFIED COLOR AND SHEEN.

AGENCY/CODE REQUIREMENTS
3.1 INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH 2022 CBC SECTIONS 803, BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723 & TESTED IN ACCORDANCE WITH NFPA 286 AND CBC TABLE 803.13.

3.2 INTERIOR FLOOR FINISH AND COVERINGS SHALL COMPLY WITH 2022 CBC SECTIONS 804, BE TESTED IN ACCORDANCE WITH NFPA 253, COMPLY WITH ASTM E648 & SHALL HAVE A SPECIFIC OPTICAL DENSITY SMOKE RATING NOT TO EXCEED 450 PER ASTM E662.

3.3 PRIVACY CURTAINS SHALL COMPLY WITH 2022 CBC SECTION 806.4 & BE TESTED IN ACCORDANCE WITH NFPA 701.

ACD001 **ACCESSORIES**
4.1 ALL WALLS TO RECEIVE CORNER GUARD CG1 @ 90° OUTSIDE CORNERS OF WING WALLS, SEE **1/A9.06**, CG2 @ 90° OUTSIDE CORNERS, SEE **2/A9.06**. INSTALL CORNER GUARDS DIRECTLY ABOVE THE WALL BASE. REFER TO REMODEL PLANS FOR TYPES PER LOCATION.

4.2 ALL AREAS W/ LARGE EQUIPMENT IMPACT SHALL RECEIVE CORNER GUARD CG1 @ 90° OUTSIDE CORNERS, SEE **5/A9.06**. INSTALL CORNER GUARDS DIRECTLY ABOVE THE WALL BASE. REFER TO REMODEL PLANS FOR TYPES PER LOCATION.

4.3 WHERE OCCURS, WALLS SHALL RECEIVE WALL PROTECTION WP1, SEE **12/A9.06**. REFER TO REMODEL PLANS FOR TYPES PER LOCATION.

CASEWORK
5.1 ALL CASEWORK SHALL RECEIVE PL1 & SS1, UON ON INTERIOR ELEVATIONS.

5.2 ALL INTERIORS OF ENCLOSED CABINETS INCLUDING SHELVING SHALL RECEIVE MELAMINE FINISH, UON. ALL INTERIORS OF OPEN CABINETS INCLUDING SHELVING SHALL MATCH THE EXTERIOR LAMINATE FINISH, UON.

5.3 REFER TO CASEWORK DETAILS FOR METAL REVEAL & ACCENT TRIM MODEL INFORMATION & FINISHES.

5.4 PROVIDE LIGHT VALANCES WHERE UNDER CABINET TASK LIGHTING OCCURS, SED.

5.5 ALL GRAIN DIRECTIONS SHALL BE INSTALLED VERTICALLY, UON.

CEILING
6.1 CEILING GRIDS SHALL RECEIVE THE FOLLOWING ACOUSTICAL CEILING TILES PER ROOM TYPE:
A. ALL AREAS SHALL RECEIVE ACT1, UON.
B. OFFICES SHALL RECEIVE ACT2.

FLOORING
7.1 GENERAL CONTRACTOR & SUB-CONTRACTORS SHALL TEST THE FLOORING SUBSTRATE FOR ALL FLOORING MANUFACTURER REQUIRED TESTING INCLUDING MOISTURE CONTENT, POROSITY & RAIDANT HEAT LEVELS, REFER TO SPECIFICATIONS. SUBMIT TEST RESULTS FOR ARCHITECT'S REVIEW PRIOR TO ORDERING FLOORING & START OF FLOORING INSTALLATION. DIAMOND GRIND & BEAD BLAST SUBSTRATE. PROVIDE MOISTURE BARRIER & FLOOR LEVELERS TO ENSURE SUBSTRATE IS LEVEL, SMOOTH, FREE OF DUST & CONSTRUCTION DEBRIS & READY TO RECEIVE NEW FLOORING MATERIAL.

7.2 TOP SET WALL BASE SHALL BE B1, UON. SEE **10/A9.06**. REFER TO INTERIOR ELEVATIONS, FINISH SCHEDULE & FLOORING FINISH PLANS. @ ALL SINK LOCATIONS PROVIDE WELD / CLEAR SEALANT @ TOP-SET WALL BASE TRANSITION TO FLOORING.

7.3 FLOORING & WALL BASE SHALL CONTINUE UNDER ADA COMPLIANT SLOPED & INTEGRAL TOE-KICK SINK CABINETS & WALL HUNG COUNTER. REFER TO INTERIOR ELEVATIONS.

7.4 ALL FLOORING TRANSITIONS TO BE FLOATED, LEVEL, & FLUSH. CONTRACTOR TO ENSURE THAT SLOPE DOES NOT EXCEED 2% IN EITHER DIRECTION. WHERE FLOOR JOINTS OCCUR @ DOORWAYS JOINT SHALL BE @ CL OF DOOR AND COMPLETELY HIDDEN FROM VIEW WHEN DOOR IS IN THE CLOSED POSITION. REFER TO FLOORING FINISH PLANS FOR TYPES PER LOCATION & SEE **30/A9.06.**

7.5 PROVIDE TS1 @ ALL RESILIENT FLOORING TRANSITIONS TO TILE, SEE **30/A9.06.**

PAINT
8.1 ALL WALLS WITHIN THE ENTIRE PROJECT AREA'S SCOPE OF WORK SHALL RECEIVE PAINT P1, UON. REFER TO PAINT FINISH PLANS. WHERE AREAS ARE NOT IN THE PROJECT SCOPE OF WORK, TERMINATE PAINT AT THE NEAREST INSIDE/OUTSIDE CORNER.

8.2 ALL METAL DOORS & FRAMES & WINDOW FRAMES TO **MATCH (E)**, UON.

8.3 CEILING & WALL METAL ACCESS PANELS TO RECEIVE **P1** IN SEMI-GLOSS FINISH, UON.

8.4 ALL GYPSUM BOARD WALLS, SOFFITS, & CEILINGS SHALL RECEIVE EGG-SHELL FINISH, UON. PROJECT SPECIFIC ROOMS: ANTE, DECONTAMINATION, DELIVERY, OR, STERILIZER, NUC MED IMAGINING, LAB, HOT LAB, PHARMACY, ICU, PROCEDURE, UPTAKE, SOILED UTILITY ROOMS, MED-PREP, FOOD-PREP, STAFF LOUNGE, PATIENT/ TREATMENT, UTILITY, EVS & TOILET ROOM WALLS & CEILINGS SHALL RECEIVE SEMI-GLOSS FINISH, UON.

8.5 LABS SHALL RECEIVE EPOXY PAINT SYSTEM, UON.

8.6 ALL WALLS SHALL RECEIVE PAINT FINISH PRIOR TO INSTALLATION OF WALL BASE, CASEWORK & CEILING GRID'S PERIMETER WALL TRIM.

8.7 FLOAT & SKIM WALLS TO BE LEVEL **5** FINISH UON. FLOAT & SKIM (E) WALLS AS REQUIRED TO MATCH EXISTING & TO RECEIVE NEW WALL BASE.

TILE
9.1 REFER TO **6.7.23/A9.06** FOR TILE ASSEMBLIES & METAL TRIM MODEL INFORMATION.

FINISH SYMBOL LEGEND

(E) (N)	INDICATES EXTENT OF EXISTING (E) & NEW (N) FLOORING
XXX	INDICATES MATERIAL FINISH; SEE FINISH SCHEDULE
P	INDICATES PAINT FINISH
RS	INDICATES FLOORING FINISH
FLOORING \ INSTALLATION	INDICATES DIRECTION OF FLOORING INSTALLATION
FLOORING \ INSTALLATION	INDICATES QUARTER TURN FLOORING INSTALLATION
TYPE W | H | D COMMENTS	INDICATES CASEWORK TYPE & DIMENSIONS

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT NEIL YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

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CONSULTANTS:

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5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

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HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
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Sheet Title: FINISH SYMBOL LEGEND, GENERAL NOTES & SCHEDULE

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0 5' 25' 1/8" = 1'-0"
0 1' 12' 1/4" = 1'-0"
0 1' 6' 1/2" = 1'-0"
0 4' 3/4" = 1'-0"
0 1' 3' 1" = 1'-0"
0 2' 1 1/2" = 1'-0"
0 1" 3" = 1'-0"

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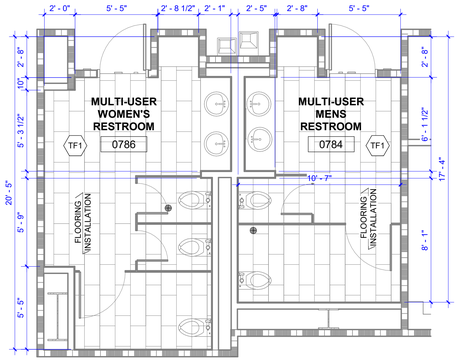

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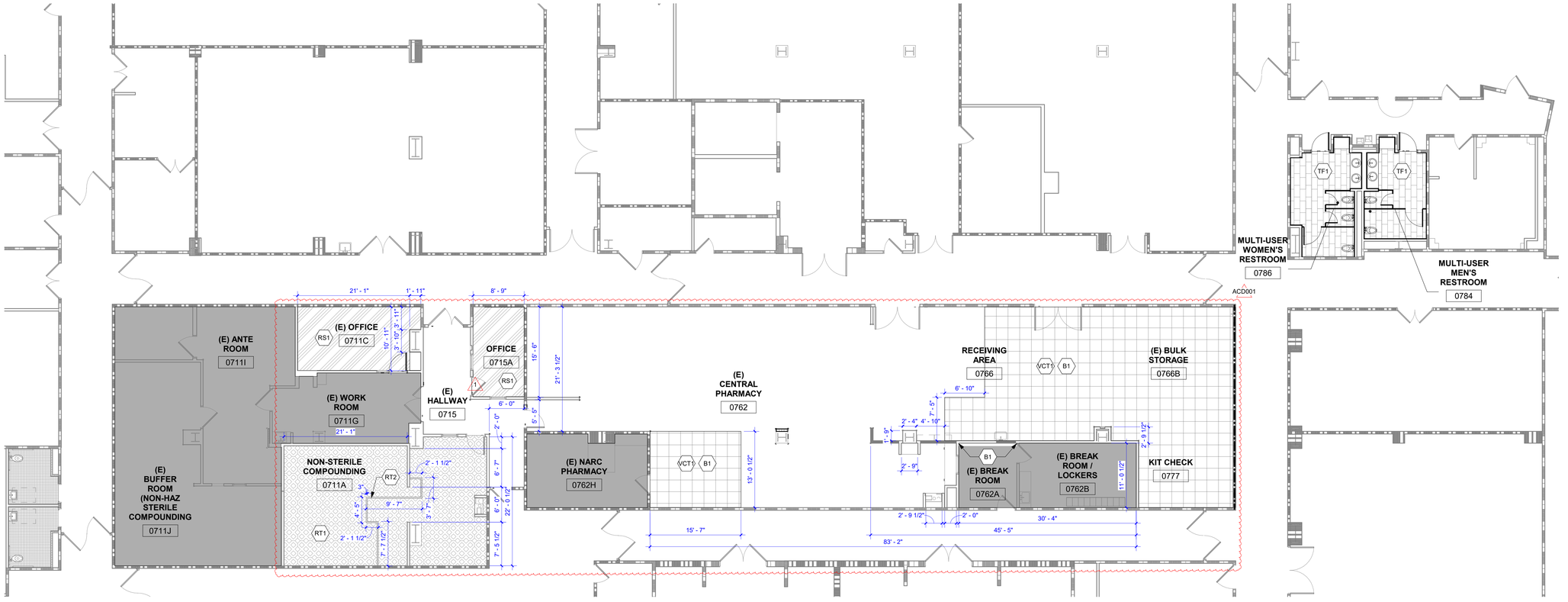
27 ENLARGED FLOORING FINISH PLAN - MULTI-USER STAFF RESTROOMS

1/4" = 1'-0"



30 OVERALL FLOORING FINISH PLAN - BASEMENT

1/8" = 1'-0"

FLOORING HATCH LEGEND

- RS1
- RT1
- RT2
- VCT1
- TF1

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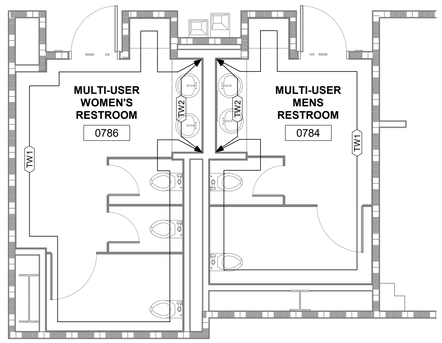

22 ENLARGED PAINT PLAN - MULTI-USER STAFF RESTROOMS

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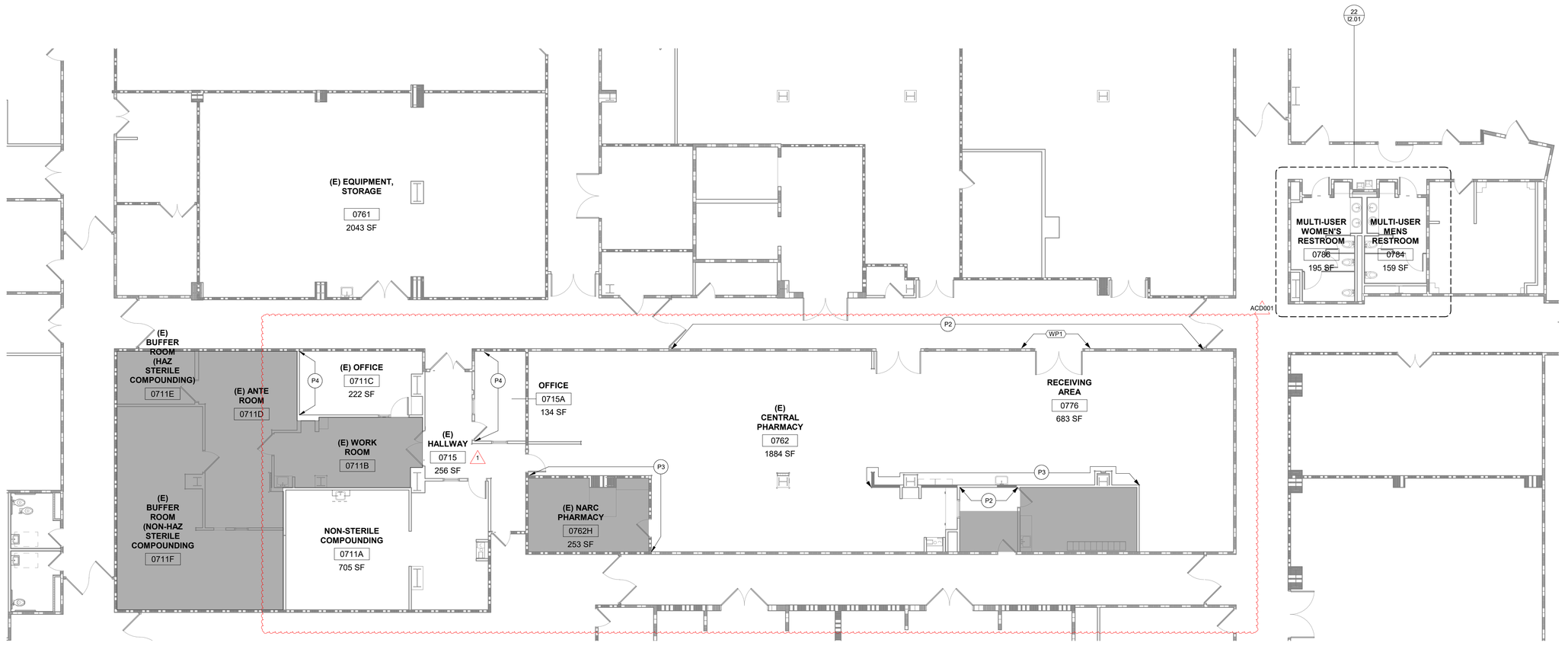

30 OVERALL PAINT & WALL FINISH PLAN - BASEMENT

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HVAC ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ABC	ABOVE CEILING	MIN	MINIMUM
ABV	ABOVE	MOCP	MAXIMUM OVERCURRENT PROTECTION
AFF	ABOVE FINISHED FLOOR	(N)	NEW
AHU	AIR HANDLING UNIT	OA	OUTSIDE AIR
APD	AIR PRESSURE DROP, INCHES WATER COLUMN	OD	OUTSIDE DIAMETER
APPROX	APPROXIMATE	OH	OVERHEAD
ATTEN	ATTENUATORS	OV	OUTLET VELOCITY
BHP	BRAKE HORSE POWER		
BTUH	BRITISH THERMAL UNITS PER HOUR	PD	PRESSURE DROP
		PSI (G) (A)	POUNDS PER SQUARE INCH (GAUGE) (ABSOLUTE)
CAP	CAPACITY		
CAV	CONSTANT AIR VOLUME	REF	ROOF EXHAUST FAN
CD	CONDENSATE DRAIN	RPM	REVOLUTIONS PER MINUTE
CFM	CUBIC FEET OF AIR FLOW PER MINUTE	RLA	RATED LOAD AMPS
CLG	CEILING		
CLR	CLEAR	S & R	SUPPLY AND RETURN
CONN	CONNECT/CONNECTION	SA	SUPPLY AIR
CONT	CONTINUATION	SAD	SEE ARCHITECTURAL DRAWINGS
		SB	SECURITY BARS
D	DAMPER	SEER	SEASONAL ENERGY EFFICIENCY RATING
DIA	DIAMETER	SF	SUPPLY FAN
DN	DOWN	SP	STATIC PRESSURE
DB	DRY BULB	SPD	STATIC PRESSURE DROP
DWG	DRAWING	SQ FT	SQUARE FEET
		SQ IN	SQUARE INCHES
EA	EXHAUST AIR	SS	STAINLESS STEEL
EAD	EXHAUST AIR DAMPER	STRUC	STRUCTURAL
EDB	ENTERING DRY BULB		
EER	ENERGY EFFICIENCY RATING		
EF	EXHAUST FAN	TA	TO ABOVE
EFF	EFFICIENCY	TB	TO BELOW
EL	ELEVATION	TCP	TEMPERATURE CONTROL PANEL
ELEC	ELECTRIC/ELECTRICAL	TCV	TEMPERATURE CONTROL VALVE
ENT	ENTERING	TEMP	TEMPERATURE
EQUIP	EQUIPMENT	THK	THICK
ESP	EXTERNAL STATIC PRESSURE	TP	TOTAL PRESSURE
EWB	ENTERING WET BULB	TSP	TOTAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE	TYP	TYPICAL
EXH	EXHAUST		
(E)	EXISTING	UON	UNLESS OTHERWISE NOTED
		UTR	UP THROUGH ROOF
f	CUBIC FEET OF AIR FLOW PER MINUTE		
F	DEGREES FAHRENHEIT		
FA	FROM ABOVE		
FB	FROM BELOW	VAV	VARIABLE AIR VOLUME
FC	FLEXIBLE CONNECTION	VFD	VARIABLE FREQUENCY DRIVE
FCV	FLOW CONTROL VALVE	VLV	VALVE
FD	FIRE DAMPER		
FLA	FULL LOAD AMPS		
FLR	FLOOR	W	WATTS
FPM	FEET PER MINUTE	WALL MTD (R)	WALL MOUNTED (RECESSED)
FS	FIRE AND SMOKE DAMPER	WB	WET BULB
FT (')	FOOT OR FEET	WMS	WIRE MESH SCREEN
FT 2	SQUARE FEET	WP	WORKING PRESSURE
		WPD	WATER PRESSURE DROP FEET OF WATER COLUMN
GA	GAUGE	WT	WEIGHT
GALV	GALVANIZED		
GPM	GALLONS PER MINUTE		
HC	HEATING COIL		
HP	HORSE POWER		
HTG	HEATING		
HWR	HOT WATER RETURN		
HWS	HOT WATER SUPPLY		
IN, (")	INCH		
IN 2	SQUARE INCHES		
KW	KILOWATTS		
LAT	LEAVING AIR TEMPERATURE		
LBS	POUNDS		
LDB	LEAVING DRY BULB		
LRA	LOCKED ROTOR AMPS		
LWB	LEAVING WET BULB		
LWT	LEAVING WATER TEMPERATURE		
MAX	MAXIMUM		
MBH	THOUSAND BTUs PER HOUR		
MCA	MINIMUM CIRCUIT AMPACITY		
MD	MOTORIZED		
MECH	MECHANICAL		
MFR	MANUFACTURER		

DUCT LEGEND

SINGLE LINE SYMBOL	DOUBLE LINE SYMBOL	DESCRIPTION
24x12	24x12	RECTANGULAR DUCT: WIDTH x DEPTH (PLAN VIEW) DEPTH x WIDTH (SECTION VIEW)
		MANUAL AIR DAMPER
R or D	R or D	RISE OR DROP DUCT IN DIRECTION OF AIR FLOW
OR		RECTANGULAR TO RECTANGULAR TRANSISTION OR ROUND TO ROUND TRANSITION, MAX. SLOPE OF 1:3
		RECTANGULAR TO ROUND TRANSITION, MAX. SLOPE OF 1:3
W, R, R/W = 1.5		ELBOW, RECTANGULAR, SMOOTH RADIUS, WITHOUT TURNING VANES
		SQUARE/RECTANGULAR DUCT ELBOW WITH TURNING VANES
		CONVERGING OR DIVERGING TEE, 45° ENTRY, RECTANGULAR MAIN AND BRANCH. WHEN REDUCING MAIN, SIDE OF TAKE OFF OR ENTRY BRANCH TO BE FLAT, OTHER SIDES MAX. SLOPE OF 1:3
ROUND DUCT		ROUND DUCT TAKE OFF FROM RECTANGULAR VIA SMOOTH CONVERGING BELL MOUTH
		RECTANGULAR DUCT TEE MAD'S ON THE 2 BRANCHES, THROAT SIZED FOR EQUAL PRESSURE DROP
		3-WAY RECTANGULAR SPLIT WITH TWO TRANSITIONAL ELBOWS AND TRANSITIONING MAIN. DOWNSTREAM MAD'S OF THE TREE BRANCHES. THROATS SIZED FOR EQUAL PRESSURE DROP.
		FOR CONCEALED DUCT: DROP TO DIFFUSER SHALL BE FULL SIZE OF DIFFUSER NECK. FOR EXPOSED DUCT: DROP SHALL BE FULL SIZE OF OD DIFFUSER FRAME. FLANGE FOR MOUNTING DIFFUSER TURNED IN. AIR EXTRACTOR AND EQUALIZER GRID AT CONNECTION TO MAIN.
		SUPPLY AIR, SUPPLY DROP/RISE
		RETURN AIR, RETURN AIR DROP/RISE
		EXHAUST AIR, EXHAUST AIR DROP/RISE
		NEW - FLEXIBLE DUCT (ROUND)
OR		EXISTING - FLEXIBLE DUCT (ROUND)
		DEMOLISHED DUCT
10"Ø, 18"Ø, 12"Ø	10"Ø, 18"Ø, 12"Ø	45° REDUCING LATERAL FITTING
18"Ø, 10"Ø, 12"Ø	18"Ø, 10"Ø, 12"Ø	90° REDUCING TEE FITTING

SYMBOLS LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	---	BALL VALVE
	---	BOTTOM CONNECTION
F	FD	FIRE DAMPER
FS	FS	FIRE/SMOKE DAMPER
	---	FLOW ARROW
	---	LIMIT OF DEMOLITION
	---	PIPE BREAK
	---	PIPE CAP
	---	PIPE DOWN
	---	PIPE UP
	---	POINT OF CONNECTION
	---	REDUCER
SD	SD	SMOKE DAMPER
T X	T	THERMOSTAT
	---	TWO POSITION CONTROL VALVE
HHWS	HHWS	HEATING HOT WATER SUPPLY PIPING
HHWR	HHWR	HEATING HOT WATER RETURN PIPING

CONTROLS ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AI	ANALOG INPUT		
AFS	AIR FLOW SENSOR		
AO	ANALOG OUTPUT		
BI	BINARY INPUT		
BO	BINARY OUTPUT		
DA	DISCHARGE AIR		
EF-C	EXHAUST FAN COMMAND		
EF-S	EXHAUST FAN SENSOR		
HTG-O	HEATING VALVE		
SD	SMOKE DETECTOR		

SEISMIC RESTRAINT NOTES

1. SUPPORTS, ANCHORAGE AND RESTRAINTS FOR ALL PIPING, DUCTWORK AND EQUIPMENT SHALL BE AN OSHPD PRE-APPROVED SYSTEM WITH A CURRENT OPM NUMBER AND SHALL MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. PROVIDE ALL SUPPORTING DOCUMENTATION REQUIRED BY THE REVIEWING AUTHORITY AND THE ARCHITECT AND ENGINEER. REFER TO S1.0 FOR SEISMIC DESIGN CRITERIA IN OSPHD SUMMITTAL. PROVIDE LAYOUT DRAWINGS SHOWING PIPING, DUCTWORK AND RESTRAINT LOCATIONS.
2. IN LIEU OF THE ABOVE OR FOR NON-STANDARD INSTALLATIONS NOT COVERED IN THE ABOVE PRE-APPROVED SYSTEMS, CONTRACTOR SHALL PROVIDE LAYOUT DRAWINGS SHOWING PIPING, DUCTWORK AND RESTRAINT LOCATIONS, AND DETAIL SUPPORTS, ATTACHMENTS AND RESTRAINTS, AND FURNISH SUPPORTING CALCULATIONS AND LEGIBLE DETAILS WITH A STAMP BY A CALIFORNIA REGISTERED STRUCTURAL ENGINEER, IN ACCORDANCE WITH 2022 CALIFORNIA BUILDING CODE FOR OCCUPANCIES REQUIRING OSHPD REVIEW AND APPROVAL CONTRACTOR SHALL REFER TO S1.0 FOR SEISMIC DESIGN CRITERIA UNLESS NOTED OR APPROVED OTHERWISE.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF OSHPD PRE-APPROVALS FROM THE OWNERS OF THE PRE-APPROVALS AND FURNISH THE IOR WITH ONE COPY OF EACH.
4. SHOP DRAWINGS OF THE SUPPORT AND BRACING SYSTEMS TO BE INSTALLED PER THIS PRE-APPROVAL SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD FOR REVIEW TO VERIFY THAT THE DETAILS ARE IN CONFORMANCE WITH ALL CODE REQUIREMENTS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THAT THE BUILDING'S STRUCTURE IS ADEQUATE FOR THE LOADS IMPOSED ON IT BY THE SUPPORTS AND BRACES INSTALLED PER THIS PRE-APPROVAL IN ADDITION TO ALL THE OTHER LOADS. THE STRUCTURAL ENGINEER OF RECORD SHALL DESIGN ANY SUPPLEMENTARY FRAMING THAT IS NEEDED TO RESIST THE LOADS AND/OR MAINTAIN STABILITY.
5. COMPONENT IMPORTANCE FACTOR OF 1.5 IS TO BE USED FOR ALL MECHANICAL AND PLUMBING UTILITIES.
6. POST INSTALLED ANCHORS SHALL COMPLY WITH ACI 318-19.
7. COMPLY WITH SPECIAL INSPECTOR REQUIRMENTS AS NOTED IN THE 2022 CBC.
8. EXPANSION TYPE CONCRETE ANCHORS SHALL NOT BE USED FOR ATTACHMENT OF NON-SPRING ISOLATED EQUIPMENT WITH MOTORS RATED OVER 10 HP.
9. ALL MECHANICAL AND PLUMBING UTILITIES (WHETHER VERTICAL OR HORIZONTAL) SHALL BE SEISMICALLY RESTRAINED REGARDLESS OF DISTANCE FROM STRUCTURE.
10. FOR ALL DUCT RISER/DROPPERS, ARCHITECTURAL BUILDING COMPONENTS SUCH AS WALLS, SOFFITS ETC. SHALL NOT BE USED AS SEISMIC RESTRAINT LOCATIONS.

MECHANICAL GENERAL NOTES

1. ALL PRODUCTS AND EXECUTION OF WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON PLANS.
2. IN THE EVENT OF A DISCREPANCY BETWEEN CONTRACT DRAWINGS AND SPECIFICATIONS. THE MOST STRINGENT SHALL GOVERN.
3. ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING FIRE, BUILDING'S MECHANICAL, PLUMBING, AND ELECTRICAL CODES.
4. OFFSET ALL RISERS AND DROPS TO AVOID STRUCTURAL ELEMENTS. SEAL ALL PENETRATIONS THRU FLOOR WATERTIGHT.
5. FIELD VERIFY EXACT SIZES, LOCATIONS AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER WORK, ETC., AND COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLING ANY NEW WORK.
6. PRIOR TO SUBMISSION OF ANY BID, THE CONTRACTOR SHALL PERFORM A THOROUGH FIELD SURVEY OF THE EXISTING SITE CONDITIONS AND FEATURES. ANY SITE CONDITIONS WHICH MAY CAUSE SIGNIFICANT DEVIATION FROM THE DESIGN DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT/ENGINEER OF RECORD FOR CLARIFICATION PRIOR TO SUBMISSION OF THE CONTRACTOR'S BID. VERIFY DIMENSIONS OF ALL PRODUCTS INCLUDING OWNER FURNISHED EQUIPMENT TO ENSURE PROPER COORDINATION WITH CONSTRUCTION. CONTRACTOR SHALL BEAR ALL COSTS FOR RELOCATION OF EQUIPMENT, PIPE, DUCTS, ETC. FROM FAILURE TO ADVISE OF CONFLICT IN WIRING PRIOR TO SUBMISSION OF ANY BID, AND/OR FROM FAILURE TO PROPERLY COORDINATE INSTALLATIONS OF SYSTEMS.
7. PENETRATION OF DUCTS, PIPES, CONDUIT, ETC., IN WALLS AND/OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. MATERIAL SHALL BE A TESTED U.L. LISTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL. REFER TO ARCHITECTURAL DRAWINGS FOR PENETRATION DETAILS.
8. IF ANY PART OF THIS CONTRACTOR'S WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL INSPECT SUCH OTHER WORK AND PROMPTLY REPORT IN WRITING TO THE OWNER ANY DEFECTS IN SUCH OTHER WORK THAT RENDERS IT UNSUITABLE TO PERFORM THE WORK OF THIS CONTRACTOR. FAILURE OF THIS CONTRACTOR TO SO INSPECT AND REPORT SHALL CONSTITUTE AN ACCEPTANCE OF THE OTHER CONTRACTOR'S WORK, EXCEPT AS TO DEFECTS WHICH MAY DEVELOP IN OTHER CONTRACTOR'S WORK AFTER EXECUTION OF THIS CONTRACTOR'S WORK.
9. MECHANICAL CONTRACTOR SHALL BE COGNIZANT WITH BUILDING STRUCTURE AND CEILING SPACE ALLOWED FOR INSTALLATION OF EQUIPMENT PRIOR TO BID, INCLUDE IN THE BID ADDITIONAL OFFSETS OF DUCTS AND PIPING THAT ARE NOT SHOWN ON DRAWING.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PROVIDING ALL CEILING ACCESS. PATCHING AND REPAIR REQUIRED IN THE IMMEDIATE AREA OF THE WORK AND ANY ACCESS OUTSIDE THE IMMEDIATE AREA OF THE WORK REQUIRED TO PROVIDE COMPLETE ACCESSIBLE AND PROPERLY FUNCTIONING SYSTEMS.
11. PROVIDE ALL PROPER LABELING OF DUCT AND/OR PIPING SYSTEMS PER SPECIFICATIONS.
12. ALL DUCT DIMENSIONS ARE SHOWN IN INCHES UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE CLEAR INSIDE SIZES. FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED.
13. ALL DUCTWORK AND PIPING SHOWN ON PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION. CONTRACTOR SHALL FIELD VERIFY, WHERE POSSIBLE, EXACT LOCATIONS, SIZES AND ELEVATIONS OF ALL ITEMS SHOWN AS EXISTING PRIOR TO DEMOLITION OR THE INSTALLATION OF ANY NEW WORK. OBTAIN RECORD "AS-BUILT" DRAWINGS IF AVAILABLE FOR INFORMATION ON EXISTING CONDITIONS.
14. CERTAIN VERTICAL AND HORIZONTAL DIMENSIONS ARE SHOWN IN DUCTS TO INDICATE THEIR GENERAL POSITION IN RELATIONSHIP TO THE SYSTEMS WITHIN THE SPACE AVAILABLE FOR SYSTEM INSTALLATION. PROVIDE ADDITIONAL OFFSETS SIMILAR TO THOSE SHOWN AS REQUIRED, AND COORDINATE WITH INSTALLATION REQUIREMENTS OF OTHER SYSTEMS AT NO ADDITIONAL COST TO OWNER.
15. IN LIEU OF RECTANGULAR DUCT AS SHOWN ON PLAN, CONTRACTOR HAS OPTION TO USE ROUND DUCTWORK WHERE SPACE PERMITS, SIZING SHALL BE BASED ON EQUAL FRICTION.
16. COORDINATE REGISTER, DIFFUSER AND GRILLE LOCATIONS WITH CEILING SUPPORT MEMBERS AND LIGHTING FIXTURES. FINISHED CEILING CONFIGURATION SHALL FORM A FULLY INTEGRATED INSTALLATION IN EACH FINISHED SPACE; REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR REQUIRED COORDINATE LAYOUT.
17. INSTALL ALL PIPING AND DUCTWORK TO AVOID ARCHITECTURAL, FRAMING, STRUCTURAL MEMBERS. AND OTHER OBSTRUCTIONS. COORDINATE PIPING AND DUCTWORK LOCATION WITH ALL APPLICABLE CONTRACT DRAWINGS AND INSTALLATION WORK OF OTHER TRADES PRIOR TO PLACING SLEEVES IN FLOORS OR WALLS.
18. INSTALL ALL DUCTWORK CONCEALED IN FURRED WALL AND CEILING UNLESS OTHERWISE NOTED.
19. TOTAL AIR STATIC PRESSURE NOTED IN SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC. IT DOES NOT INCLUDE INTERNAL CASING LOSS UNLESS OTHERWISE NOTED. TOTAL AIR STATIC PRESSURE DOES NOT INCLUDE CONTRACTOR'S DEVIATIONS FROM CONTRACT DOCUMENT.
20. SCHEDULE ALL WORK WITH THE FACILITY INCLUDING CONSTRUCTION ACCESS AND STORAGE. THE CONSTRUCTION SCHEDULE PROCEDURE SHALL BE APPROVED BY THE FACILITY PRIOR TO THE START OF CONSTRUCTION.
21. CONTRACTOR SHALL PROVIDE DUST COVERS AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN CONSTRUCTION AREA. BROOM CLEAN ALL AREAS EACH DAY. KEEP DIRT AND DUST TO A MINIMUM. COORDINATE ALL MEASURES WITH FACILITY'S INFECTION CONTROL OFFICER.
22. WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO PUBLIC AND OCCUPANTS OF THE FACILITY.
23. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. GUARD ALL HAZARDS IN ACCORDANCE WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA AND OSHA.
24. SECURELY FASTEN ALL PIPING AND DUCTWORK WITHIN STRUCTURES TO THE BUILDING CONSTRUCTION BY MEANS OF HANGERS, SUPPORTS, GUIDE ANCHORS, AND SWAY BRACE SEISMIC RESTRAINTS TO MAINTAIN ALIGNMENT. TO PREVENT SAGGING, AND TO PREVENT NOISE AND EXCESSIVE STRAIN DUE TO MOVEMENT UNDER OPERATING CONDITIONS. COORDINATE ANCHORING POINTS TO ASSURE STRUCTURAL INTEGRITY DURING NORMAL OPERATION AND SEISMIC EVENTS.
25. PIPE SUPPORTS SHALL BE DESIGNED TO INCLUDE THE WEIGHT OF THE PIPE, FITTINGS, VALVES, AND WEIGHT OF THE CONTENTS OF THE PIPE.
26. INSTALL WALL-MOUNTED ROOM THERMOSTATS 4-FEET ABOVE FINISHED FLOOR UNLESS DIRECTED OTHERWISE. COORDINATE INSTALLATION LOCATION AND HEIGHT WITH ALL TRADES PRIOR TO THERMOSTAT ROUGH-IN.
27. PROVIDE FLEXIBLE CONNECTIONS AT ALL VIBRATION ISOLATED EQUIPMENT AND AS INDICATED ON FLOW DIAGRAMS, DETAILS, AND AS OTHERWISE SPECIFIED.
28. PROVIDE A TIGHT SEAL OF INCOMBUSTIBLE MATERIAL (U.L. APPROVED) AROUND ALL DUCTWORK AND PIPING WHICH PENETRATE FIRE SEPARATIONS.
29. COORDINATE THE LOCATION AND QUANTITY OF ALL ACCESS PANELS. NOT ALL ACCESS PANELS ARE SHOWN ON PLANS. CONTRACTOR SHALL BE REPONSIBLE FOR PROVIDING ALL ACCESS PANELS THAT ARE REQUIRED IN CEILINGS FOR ALL CONSTANT VOLUME BOXES, DAMPERS, VALVES, CONTROLS, AND OTHER ITEMS REQUIRING ROUTINE MAINTENANCE OR ADJUSTMENT, AND SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH ARCHITECTURAL SPECIFICATIONS. WHERE ACCESS PANELS ARE NOT SHOWN FOR VOLUME DAMPER ACCESS, PROVIDE CEILING MOUNTED REMOTE OPERATED VOLUME DAMPER CONTROL.
30. PROVIDE OPERATING HANDLES FOR ALL VALVES AND COCKS SUPPLIED WITHOUT INTEGRAL OPERATORS.
31. ALL PIPE SIZES ARE IN INCHES. PIPE SIZES NOT SHOWN ON PLAN SHALL BE SIZED NOT TO EXCEED 5-FEET OF HEAD PER 100-FEET LENGTH OR 5 FPS VELOCITY.
32. PROVIDE VALVES AND OTHER PIPING SPECIALTIES SAME SIZE AS LINE SIZE UNLESS OTHERWISE NOTED.
33. PROVIDE 3/4 INCH BLOW-OFF VALVE AND 3/4 INCH IPS TO HOSE THREAD ADAPTER ON ALL STRAINERS.
34. PROVIDE PIPE SUPPORTS NOT MORE THAN 12 INCHES FROM THE POINT OF CHANGE OF DIRECTION OF A PIPE RUN IN BOTH HORIZONTAL AND VERTICAL PLANES.
35. ACCOMMODATE ALL WORK AROUND EXISTING PIPING AND DUCTWORK.
36. CONCRETE ANCHORS SHALL BE HILTI, KWIK BOLT KB-TZ2. ANCHORS SHALL BE TESTED PER 1937A.7 OF 2022 CBC, CODE APPLICATION NOTICE FOR EXPANSION ANCHOR TESTING REQUIREMENTS IN HARDENED CONCRETE. ANCHOR TEST LOAD IN TENSION AND SHEAR SHALL BE AS NOTED ON STRUCTURAL DRAWINGS.
37. COORDINATED SHOP DRAWINGS ARE REQUIRED TO AMPLIFY, EXPAND AND COORDINATE THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS. APPROVED SHOP DRAWINGS ARE REQUIRED PRIOR TO THE INSTALLATION OF ALL NEW WORK.
38. THE DRAWINGS ARE NOT INTENDED TO SHOW EVERY OFFSET, FITTING OR EVERY STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF THE WORK. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE JOB SITE AND SHALL HAVE APPROVAL OF THE OWNERS REPRESENTATIVE BEFORE BEING INSTALLED.
39. IDENTIFY SIZE AND LOCATIONS OF REBAR IN EXISTING CONCRETE BY X-RAY OR OTHER MEANS PRIOR TO CORING OR SAW CUTTING. COORDINATE ALL OPENINGS TO BE MADE AND OBTAIN APPROVAL FROM STRUCTURAL ENGINEER PRIOR TO STARTING WORK.
40. REFER TO ARCHITECTURAL DESCRIPTION OF CONSTRUCTION PHASING. PROVIDE SEQUENCED DEMOLITION, TEMPORARY SERVICES AND SEQUENCED CONSTRUCTION IN ORDER TO MAINTAIN SERVICES TO OCCUPIED PORTIONS OF THE FACILITY. USE CAUTION WHEN SAW-CUTTING THROUGH EXISTING CONCRETE FLOOR OR WALL CONSTRUCTION FOR THE INSTALLATION OF MECHANICAL/PLUMBING SYSTEMS TO AVOID CUTTING (E) REBAR AT EDGE OF OPENING. LEAVE SUFFICIENT REBAR EXPOSED TO TIE NEW REINFORCING FOR REPLACEMENT CONCRETE AND OR OTHER STRUCTURAL ATTACHMENTS FOR NEW CONSTRUCTION. OBTAIN APPROVAL OF AN OWNER'S REPRESENTATIVE A MINIMUM 72 HOURS PRIOR TO ANY SAW CUTTING OF EXISTING CONCRETE.
41. CONTRACTOR SHALL FIELD VERIFY ALL POINTS OF CONNECTION TO EXISTING SYSTEMS INCLUDING SIZE, DEPTH AND LOCATION PRIOR TO FABRICATION AND INSTALLATION OF ASSOCIATED PIPING RUNS. NOTIFY OWNERS REPRESENTATIVE IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS.
42. FOR PIPES PASSING THROUGH, UNDER OR PARALLEL TO BUILDING FOUNDATION ELEMENTS, REFER TO STRUCTURAL DRAWINGS FOR TYPICAL PIPE ARRANGEMENT.
43. AFTER DEMOLITION OF EXISTING EQUIPMENT, DUCT WORK, PIPING OR ACCESSORIES, PATCH ALL EXISTING ARCHITECTURAL SURFACES TO MATCH ADJACENT SURFACES.
44. FURNISH AND INSTALL MANUAL AIR DAMPERS (MAD) AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE SUPPLY DIFFUSER. PROVIDE MAD WITH REMOTE OPERATOR WHERE MAD'S ARE ABOVE GYP BOARD OR OTHER INACCESSIBLE CEILING.
45. FLEXIBLE DUCTWORK CONNECTIONS TO CEILING DIFFUSERS ARE LIMITED, WHERE SHOWN, TO 6'-0" MAXIMUM LENGTH.
46. WHERE INLET DUCT DIAMETER AND DIFFUSER NECK SIZE ARE THE SAME (I.E. 9" DIA. & 9x9) CONTRACTOR SHALL OVERSIZE THE SHEET METAL PLENUM TO ACCOMMODATE THE ROUND DUCT.
47. WHERE INLET DUCT DIMENSION AND DIFFUSER NECK SIZE/SHEET METAL PLENUM DIMENSIONS DO NOT MATCH, CONTRACTOR SHALL FURNISH AND INSTALL REQUIRED TRANSITIONS TO MAKE CONNECTION.
48. EXPOSED DUCTWORK SHALL BE FREE OF BLEMISHES, DENTS AND MANUFACTURING/FABRICATION LABELS. INSTALL PARALLEL TO BUILDING SURFACES
49. ANY MECHANICAL WORK REQUIRING WORK OUTSIDE AREAS OF THE PRIMARY ROOMS WITHIN THE PROJECT SCOPE, INCLUDING BUT NOT LIMITED TO THE CEILING ABOVE, THE FLOOR BELOW THE AFFECTED FLOOR AREA AND SURROUNDING AND ADJOINING AREAS SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE FOR ACCESS TO OTHER AREAS OF THE BUILDING. TO SCHEDULE WORK, INCLUDING WORKING OFF HOURS, TO PROVIDE NON - INTERRUPTION OF THE EXISTING BUILDING ACTIVITIES DURING NORMALLY OCCUPIED HOURS. COORDINATE WITH THE OWNER'S REPRESENTATIVE WELL IN ADVANCE OF ANY REQUIRED SHUT-DOWN OF SYSTEMS AFFECTED BY WORK OF THIS PROJECT.
50. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES.
51. INSULATION APPLIED TO THE SURFACE OF DUCTS LOCATED IN THE BUILDING SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE - DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED.
52. PROVIDE AIR FILTERS FOR ALL OPEN RETURN AND EXHAUST AIR DUCTS ONCE CEILING ARE REMOVED TO AVOID CONTAMINATION. FILTERS TO BE OF SUITABLE EFFICIENCY FOR RELEVANT CONTAMINANTS WITH THE AREA SERVED AND SHALL BE REPLACED ON A WEEKLY BASIS AS NEEDED TO MAINTAIN FILTER EFFICIENCY. COORDINATE WITH FACILITY'S INFECTION CONTROL OFFICER.
53. THE INTENT OF THE PLANS SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING (OR THIS PROJECT) IN ACCORDANCE WITH, CALIFORNIA BUILDING STANDARDS CODE, TITLES 19 AND 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE TITLE 24, CODE OF REGULATIONS. A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED AND APPROVED BEFORE PROCEEDING WITH THE WORK.
54. DUCT PENETRATION THROUGH RATED WALLS SHALL BE PROVIDED WITH FIRE/SMOKE, FIRE OR SMOKE DAMPERS AS NEEDED. ADVISE OWNER'S REPRESENTATIVE IN WRITING IN THE EVENT OF DISCREPANCIES BETWEEN CONTRACT DOCUMENTS PRIOR TO BID. CONTRACT SHALL BEAR ALL COSTS FOR ADDITIONAL DAMPERS FROM FAILURE TO ADVISE DISCREPANCIES PRIOR TO BID.
55. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN HW PIPING.
56. MANY LOCATIONS ON THE DRAWINGS NOTE A MITERED ELBOW AS A GENERAL APPLICATION WHERE A RADIUS ELBOW CAN, AND SHALL BE USED. WHERE RADIUS ELBOWS ARE SHOWN BUT CANNOT BE INSTALLED DUE TO SPACE LIMITATIONS, MITERED ELBOWS MAY BE USED. SEE DUCT LEGEND.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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DATE SIGNED: 06/12/2024

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THIS ISSUE:	ISSUED FOR	Date
1	Backcheck 1	09/16/2024

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL SYMBOLS, LEGENDS, AND NOTES

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. M0.01
UCDMC Project Mgr. AA	Scale: As indicated	
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

ACD-001

2022 CMC

ROOM AIR FLOW AND CRITERIA SCHEDULE - PHASE 1

								TABLE 4A REQUIRED (100% OSA)					ACTUAL DESIGN CONDITIONS								Room Conditions		Filter Efficiency (%)			
ROOM #	FLOOR PLAN NAME	AHU	TABLE 4-A OSHPD REFERENCE NAME	AREA SQ FT	CLG HT FT	VOLUME CU FT	MIN SA AC/HR	MIN SA CFM	MIN OSA AC/HR	MIN OSA CFM	AIR BALANCE P=POSITIVE NR=NO REQ. N=NEGATIVE	ALL AIR EXHAUSTED DIRECTLY TO OUTDOORS	DESIGN SA CFM	DESIGN INFILTRATION AIR CFM	DESIGN EXFILTRATION AIR CFM	DESIGN RA CFM	DESIGN EXH CFM	ACTUAL SA AC/HR	AHU OA%	ACTUAL OSA AC/HR	AIR BALANCE P=POSITIVE E=EQUAL N=NEGATIVE	TEMP RANGE (DEG F)	RELATIVE HUMIDITY (%)	FILTER BANK No. 1	FILTER BANK No. 2	FILTER BANK No. 3	COMMENTS
0711A	NON-STERILE COMPOUNDING	AHU-G-1S	Non-HD segregated compounding area	705	8.0	5640	4	380	2	190	P	NR	675	0	75	0	600	7.2	100%	7.2	P	70-75	-	30	90	-	EXFIL 75 CFM TO 0715
0776A	REPACKAGING AREA	AHU-G-1S	Pharmacy	82	8.5	697	4	50	2	25	P	NR	50	0	50	0	0	4.3	100%	4.3	P	70-75	-	30	90	-	EXFIL 50 CFM TO 0776
0766B	BULK STORAGE	AHU-G-1S	Pharmacy	479	8.0	3832	4	255	2	130	P	NR	255	130	385	0	0	4.0	100%	4.0	P	70-75	-	30	90	-	INFIL 130 CFM FROM 0777. EXFIL 385 CFM TO 0776
0776	RECEIVING AREA	AHU-G-1S	Pharmacy	683	8.0	5464	4	365	2	185	P	NR	365	545	230	0	680	4.0	100%	4.0	N	70-75	-	30	90	-	INFIL 50 CFM FROM 0776A. INFIL 110 CFM FROM 0762. INFIL 385 CFM FROM 0766B. EXFIL 230 CFM TO 0760B
0777	KIT CHECK	AHU-G-1S	Pharmacy	243	8.0	1944	4	130	2	65	P	NR	130	0	130	0	0	4.0	100%	4.0	P	70-75	-	30	90	-	EXFIL 130 CFM TO 0766B
0711C	OFFICE	AHU-G-1S	Medication room	222	8.0	1776	4	120	2	60	NR	NR	240	0	0	0	240	8.1	100%	8.1	E	70-75	-	30	90	-	SPACE USED AS MAKE-READY SPACE. SPACE TO MAINTAIN AIRFLOW REQUIREMENTS INDICATED UNTIL END OF MAKE-READY WORK. SEE PHASE 2 TABLE FOR FINAL REQUIREMENTS OF SPACE
0761	EQUIPMENT STORAGE	AHU-G-2S	Admin (non-4a)	2048	8.0	16384	4	1095	2	550	NR	NR	1305	0	0	0	1305	4.8	100%	4.8	E	70-75	-	30	90	-	SPACE USED AS MAKE-READY SPACE. AIRFLOW REQUIREMENTS INDICATED ARE TO BE MAINTAINED DURING AND AFTER MAKE-READY WORK

2022 CMC

ROOM AIR FLOW AND CRITERIA SCHEDULE - PHASE 2

								TABLE 4A REQUIRED (100% OSA)					ACTUAL DESIGN CONDITIONS								Room Conditions		Filter Efficiency (%)			
ROOM #	FLOOR PLAN NAME	AHU	TABLE 4-A OSHPD REFERENCE NAME	AREA SQ FT	CLG HT FT	VOLUME CU FT	MIN SA AC/HR	MIN SA CFM	MIN OSA AC/HR	MIN OSA CFM	AIR BALANCE P=POSITIVE NR=NO REQ. N=NEGATIVE	ALL AIR EXHAUSTED DIRECTLY TO OUTDOORS	DESIGN SA CFM	DESIGN INFILTRATION AIR CFM	DESIGN EXFILTRATION AIR CFM	DESIGN RA CFM	DESIGN EXH CFM	ACTUAL SA AC/HR	AHU OA%	ACTUAL OSA AC/HR	AIR BALANCE P=POSITIVE E=EQUAL N=NEGATIVE	TEMP RANGE (DEG F)	RELATIVE HUMIDITY (%)	FILTER BANK No. 1	FILTER BANK No. 2	FILTER BANK No. 3	COMMENTS
0762	CENTRAL PHARMACY	AHU-G-1S	Pharmacy	1888	8.5	16048	4	1070	2	535	P	NR	1100	0	110	0	990	4.1	100%	4.1	P	70-75	-	30	90	-	EXFIL 110 CFM TO 0776
0715A	OFFICE	AHU-G-1S	Admin (non-4a)	134	8.0	1072	4	75	2	40	NR	NR	75	0	0	0	75	4.2	100%	4.2	E	70-75	-	30	90	-	
0715	HALLWAY	AHU-G-1S	Semi-restricted corridor	256	8.0	2048	4	140	2	70	NR	NR	140	75	0	0	215	4.1	100%	4.1	N	70-75	-	30	90	-	INFIL 75 CFM FROM 0711A
0711C	OFFICE	AHU-G-1S	Admin (non-4a)	222	8.0	1776	4	120	2	60	NR	NR	120	0	0	0	120	4.1	100%	4.1	E	70-75	-	30	90	-	
0784	MULTI-USER MENS RESTROOM	AHU-G-2S	Bathroom	159	8.0	1272	10	215	NR	0	N	Yes	260	50	0	0	310	12.3	100%	12.3	N	72-78	-	30	90	-	INFIL 50 CFM FROM CORR.
0786	MULTI-USER WOMENS RESTROOM	AHU-G-2S	Bathroom	195	8.0	1560	10	260	NR	0	N	Yes	265	50	0	0	315	10.2	100%	10.2	N	72-78	-	30	90	-	INFIL 50 CFM FROM CORR.

SHEET NOTES:

1. ALL SPACES INDICATED IN THE ROOM AIRFLOW CRITERIA SCHEDULES ARE SERVED BY (E) AHU-G-1S OR (E) AHU-G-2S. BELOW IS THE RESPECTIVE INFORMATION FOR EACH AHU PER CAN 2-102.6, PROCESS BOX 7:

   AHU-G-1S:
   TOTAL AIRFLOW: 25,000 CFM
   TOTAL OSA: 25,000 CFM
   PRE-FILTER EFF: 30%
   FINAL FILTER EFF: 90%

   AHU-G-2S:
   TOTAL AIRFLOW: 25,000 CFM
   TOTAL OSA: 25,000 CFM
   PRE-FILTER EFF: 30%
   FINAL FILTER EFF: 90%

   AHU-G-1S AND AHU-G-2S PROVIDE AUTOMATIC SHUTDOWN CONTROL IF SMOKE IS DETECTED VIA SUPPLY AND EXHAUST AIR DUCT SMOKE DETECTORS. BOTH AHU'S ARE CONNECTED TO EMERGENCY POWER.

1 2. REPACKAGING AREA 0776A, RECEIVING AREA 0776, BULK STORAGE 0766B, AND KIT CHECK 0777 ARE OPEN TO EACH OTHER WITH NO PHYSICAL WALL SEPARATING THE SPACES. ALL SPACES HAVE THE SAME TABLE 4-A CRITERIA; THEREFORE, THE COMBINED SPACES ARE TREATED AS A LARGE OPEN SPACE.

   RECEIVING AREA 0776 IS SHOWN IN THE PHASE 1 ROOM AIRFLOW AND CRITERIA SCHEDULE AS NEGATIVE AIR BALANCE. THE SPACE IS ACTUALLY POSITIVELY BALANCED BASED ON AIRFLOW SERVING THE LARGE OPEN SPACE AS A WHOLE WITH TOTAL SUPPLY AIR AT 910 CFM AND EXHAUST AIR AT 680 CFM. THE REMAINING 230 CFM IS TO EXFIL TO CORRIDOR 0760B.

ACD-001

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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Account No.: 9558910
HCAI No.:
Bldg No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: ROOM AIRFLOW CRITERIA SCHEDULE

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 12" = 1'-0"	**M0.02**
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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AIR TERMINAL UNIT (CAV) SCHEDULE

EQUIPMENT TAG	AIR FLOW	APD (IN WG)	REHEAT COIL								TCV	CONTROL DIAGRAM	MOUNTING DETAIL REFERENCE	REMARKS
			EAT	LAT	EWT	LWT	CAP (MBH)	NUMBER OF ROWS	FLOW (GPM)	WPD (FT)				
CAV-0.14	680	0.30	55 °F	90 °F	170 °F	140 °F	22	2	2.20	1.10	2-WAY	N/A	N/A	NOTE 11
CAV-0.16	275	0.30	55 °F	90 °F	170 °F	140 °F	20	2	2.00	0.30	2-WAY	N/A	N/A	NOTES 11, 12
CAV-0.18	1100	0.30	55 °F	90 °F	170 °F	140 °F	49	2	4.90	1.00	2-WAY	N/A	N/A	NOTES 11, 12
CAV-0.19	515	0.30	55 °F	90 °F	170 °F	140 °F	22	2	2.20	1.10	2-WAY	N/A	N/A	NOTES 11, 12
CAV-0.20	245	0.30	55 °F	90 °F	170 °F	140 °F	10	2	1.00	0.50	2-WAY	N/A	N/A	NOTES 11, 12
CAV-0.22	675	0.30	55 °F	90 °F	170 °F	140 °F	22	2	2.20	1.10	2-WAY	N/A	N/A	NOTE 11
CAV-0.23	240	0.30	55 °F	90 °F	170 °F	140 °F	8	2	0.80	0.40	2-WAY	N/A	N/A	NOTE 11
CAV-0.31	875	0.30	55 °F	90 °F	170 °F	140 °F	28	2	2.80	1.50	2-WAY	N/A	N/A	NOTE 11
CAV-0.32	785	0.30	55 °F	90 °F	170 °F	140 °F	26	2	2.60	1.10	2-WAY	N/A	N/A	NOTE 11
CAV-0.38	1220	0.30	55 °F	90 °F	170 °F	140 °F	40	2	4.00	1.00	2-WAY	N/A	N/A	NOTE 11
CAV-0.67	910	0.69	55 °F	90 °F	170 °F	140 °F	34.6	2	3.02	1.67	2-WAY	1/M6.00	7/M5.00	(N) CAV. PRICE MODEL SDV-8. NOTES 1-10

A/ACD-001

NOTES:

1. SPD IS THE MAX. STATIC PRESSURE DROP FROM INLET TO DISCHARGE WITH THE VAV DAMPER 100% OPEN.
2. NC IS MAX. DISCHARGE NC WITH 10 DB ROOM ABSORPTION AND 1" INLET STATIC PRESSURE.
3. REHEAT COIL BASED ON 170°F EWT AND 140°F LWT. MBH BASED ON MIN. CFM. COILS ARE FURNISHED BY CAV BOX MANUFACTURER. FOR PIPING SEE 8/M5.00.
4. SIZE TCV FOR 4 PSIG WATER PRESSURE DROP AT FLOW LISTED.
5. FURNISH CAV BOXES WITH DAMPERS AND VELOCITY SENSORS ONLY, SEE CONTROL DIAGRAMS FOR ADDITIONAL CONTROLS.
6. 120V POWER TO ALL CAV BOXES BY DIV. 26.
7. INLET DUCT SIZE IS THE SAME AS THE BOX INLET U.O.N ON PLANS.
8. PROVIDE BETWEEN 3 AND 5 INLET DIA. OF STRAIGHT DUCT AT INLET SIZE INTO CAV.
9. PROVIDE WITH 1/2" FIBER FREE LINER.
10. OSP-0302
11. (E) CAV.
12. CAV AIRFLOW HAS BEEN REDUCED. BALANCE CAV TO INDICATED AIRFLOW.

AIR TERMINALS SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER TITUS	REMARKS
CDL	MODULAR CORE LAY-IN CEILING DIFFUSER FOR T-BAR CEILING 24X24 PANEL	MCD - BORDER TYPE 3	NOTES 1-6
CDS	MODULAR CORE SURFACE MOUNT CEILING DIFFUSER BEVEL FRAME	MCD - BORDER TYPE 1	NOTES 1-6
CEL	CEILING EXHAUST WITH 1/2" EGG CRATE CORE IN 24x24 PANEL FOR T-BAR CEILING	MODEL 50 F BORDER TYPE 3	NOTES 1-6
CES	CEILING EXHAUST WITH 1/2" EGG CRATE CORE SURFACE MOUNT	MODEL 50 F BORDER TYPE 1	NOTES 1-6
-	-	-	-

A/ACD-001

NOTES:

1. ALL SYMBOLS NOTED MAY NOT BE USED. REFER TO PLANS FOR SIZE AND QUANTITY.
2. ALL SUPPLY AIR DIFFUSERS ARE 4 WAY BLOW UNLESS SHOWN OTHERWISE.
3. FURNISH ALL PRODUCTS OF A SINGLE MANUFACTURER
4. COORDINATE DIFFUSER TYPE WITH R.C.P.
5. OPPOSED BLADE DAMPERS ARE NOT REQUIRED AT DIFFUSERS, REGISTERS, OR GRILLES.
6. PROVIDE MANUAL AIR DAMPERS AT EACH BRANCH DUCT TO A SINGLE DIFFUSER, REGISTER, OR GRILLE.

A/ACD-001

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Office of Statewide Hospital Planning and Development
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Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER — KRISTEN A. MYERS — M 24700 — EXPIRES 3/31/27 — MECHANICAL — STATE OF CALIFORNIA

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230210.00 — PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date
1	Backcheck 1	09/16/2024
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Account No.: 9558910
HCAI No.:
Bldg No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL SCHEDULES

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UCDMC Project Mgr. AA	Scale: 12" = 1'-0"	
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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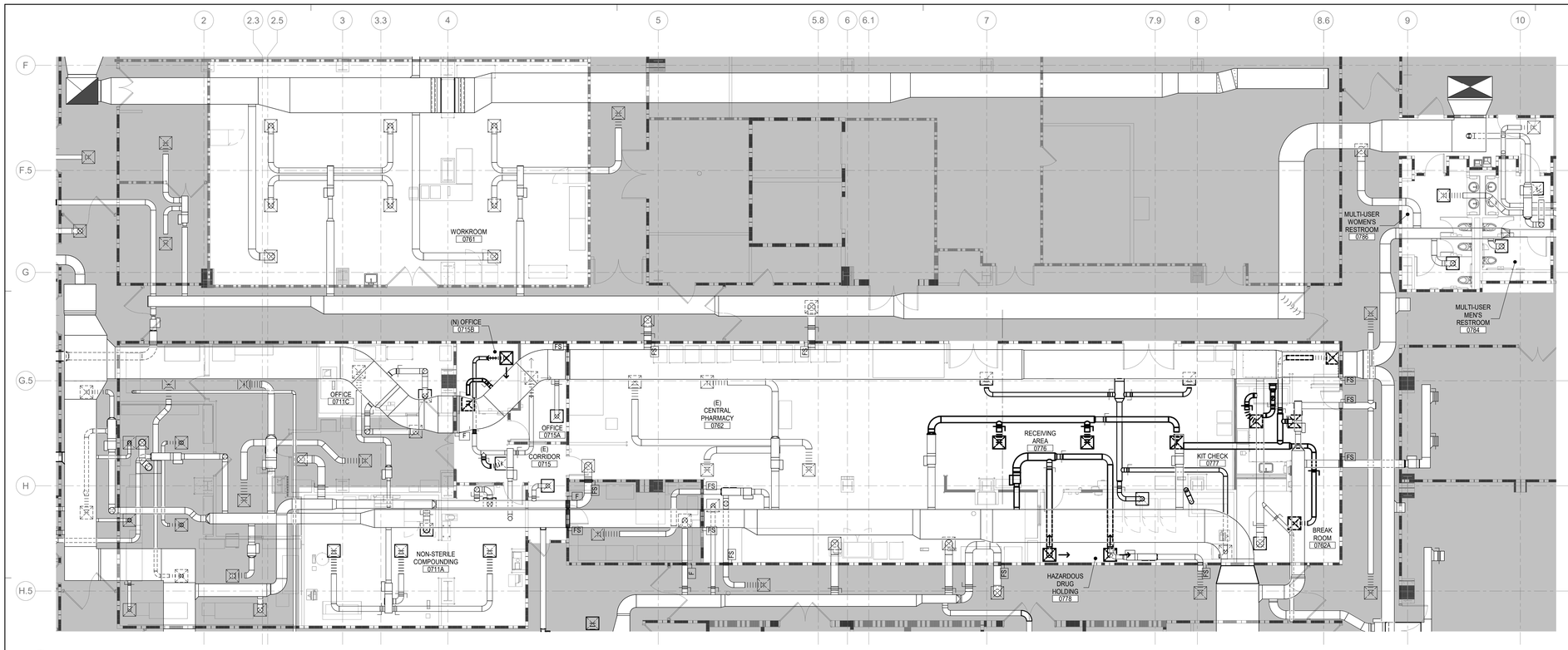
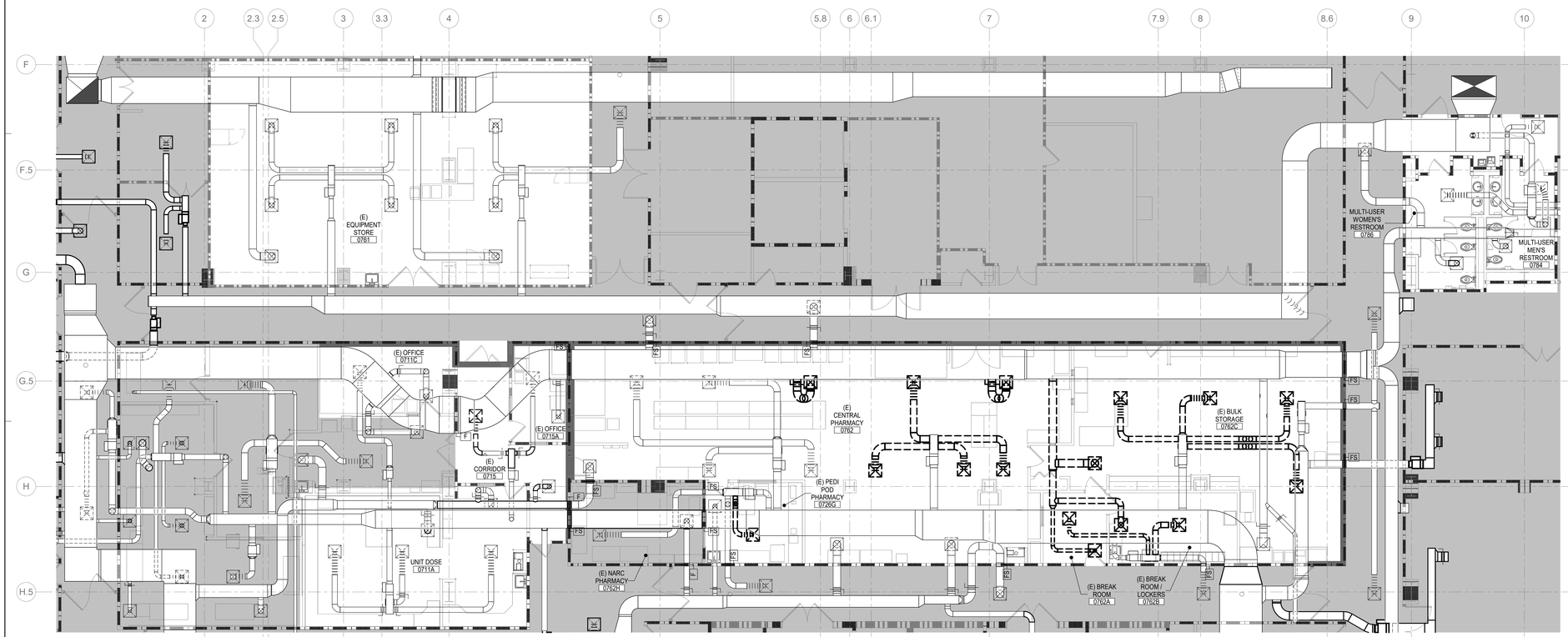


27 / M2.00 MECHANICAL - ENLARGED OVERALL REMODEL FLOOR PLAN

SCALE: 1/8" = 1'-0"



30 / M2.00 MECHANICAL - ENLARGED OVERALL DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"

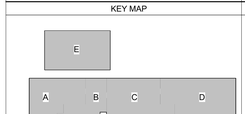
SHEET NOTES:

1. COORDINATE FINAL AIR TERMINAL LOCATIONS WITH ARCHITECTURAL R.C.P.
2. SHADED REGION INDACTES AREAS OUTSIDE OF PROJECT BOUNDARIES.

DEMOLITION NOTES:

1. FIELD VERIFY (E) CONDITIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. MECHANICAL CONTRACTOR SHALL COORDINATE WITH OWNER TO SCHEDULE WORK WHICH MAY DISRUPT BUILDING MECHANICAL SERVICES PRIOR TO COMMENCEMENT OF ANY MECHANICAL DEMOLITION WORK INDICATED ON THIS DRAWING.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL (E) BUILDING SERVICES, (E) BUILDING STRUCTURE & (E) ARCHITECTURAL ELEMENTS ETC. DURING THE ENTIRE PERIOD OF MECHANICAL DEMOLITION WORK. MAINTAIN MECHANICAL AND PLUMBING SERVICES TO ALL AREAS OUTSIDE OF PROJECT BOUNDARY DURING THE PERIOD OF CONSTRUCTION.
4. LOCATIONS OF EXISTING HVAC EQUIPMENT, DUCTS, PIPING, ETC. ARE APPROXIMATE AND ARE INDICATED FOR REFERENCE ONLY. EXACT LOCATIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD AND COORDINATED WITH OTHER NEW & EXISTING EQUIPMENT / SERVICES / EXISTING BUILDING STRUCTURE AND NEW WORK PLATFORM STEEL STRUCTURES.
5. CONTRACTOR SHALL FIELD VERIFY CONDITION AND OPERATION OF ALL (E) & OFCI EQUIPMENT, CONTROLS, VALVES & DEVICES, AND SHALL REPLACE ANY FAULTY EQUIPMENT, CONTROLS, VALVES & DEVICES WITH NEW.
6. DEMO ALL ACCESSORIES, HANGERS AND SUPPORTS ASSOCIATED WITH DEMOLISHED DUCTWORK.
7. PERFORM PRE-CONSTRUCTION EXHAUST AIR MEASUREMENTS AS SHOWN ON SHEETS MA2.01, MA2.02, AND MA2.03. FINAL CONDITIONS TO BE BALANCED AS SHOWN ON SHEETS MB2.01, MB2.02, AND MB2.03.
8. SHADED REGION INDACTES AREAS OUTSIDE OF PROJECT BOUNDARIES.

KEY MAP



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Ray Sanchez

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230210.00 — PROJECT NO.

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Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - OVERALL FLOOR PLANS - BASEMENT

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/8" = 1'-0"	M2.00
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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0 5' 50' GRAPHIC SCALES: 1/16" = 1'-0"

0 5' 25' 1/8" = 1'-0"

0 1' 12' 1/4" = 1'-0"

0 1' 6' 1/2" = 1'-0"

0 4' 3/4" = 1'-0"

0 1' 3' 1" = 1'-0"

0 2' 1 1/2" = 1'-0"

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SHEET NOTES:

1. FIELD VERIFY (E) CONDITIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. MECHANICAL CONTRACTOR SHALL COORDINATE WITH OWNER TO SCHEDULE WORK WHICH MAY DISRUPT BUILDING MECHANICAL SERVICES PRIOR TO COMMENCEMENT OF ANY MECHANICAL DEMOLITION WORK INDICATED ON THIS DRAWING.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL (E) BUILDING SERVICES, (E) BUILDING STRUCTURE & (E) ARCHITECTURAL ELEMENTS ETC. DURING THE ENTIRE PERIOD OF MECHANICAL DEMOLITION WORK. MAINTAIN MECHANICAL AND PLUMBING SERVICES TO ALL AREAS OUTSIDE OF PROJECT BOUNDARY DURING THE PERIOD OF CONSTRUCTION.
4. LOCATIONS OF EXISTING HVAC EQUIPMENT, DUCTS, PIPING, ETC. ARE APPROXIMATE AND ARE INDICATED FOR REFERENCE ONLY. EXACT LOCATIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD AND COORDINATED WITH OTHER NEW & EXISTING EQUIPMENT / SERVICES / EXISTING BUILDING STRUCTURE AND NEW WORK PLATFORM STEEL STRUCTURES.
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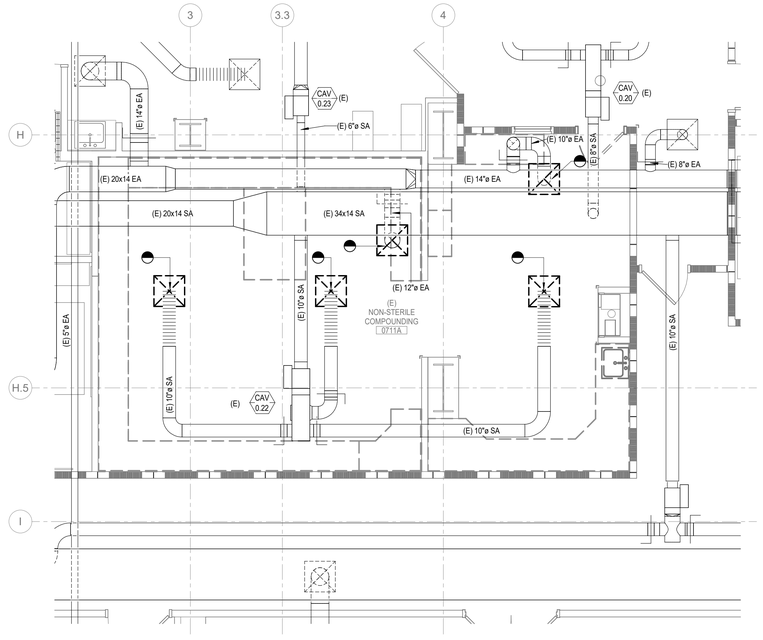
6. DEMO ALL ACCESSORIES, HANGERS AND SUPPORTS ASSOCIATED WITH DEMOLISHED DUCTWORK.
7. PERFORM PRE-CONSTRUCTION SUPPLY AND EXHAUST AIR MEASUREMENTS OF ALL TERMINAL BOXES, VOLUME DAMPERS AND ASSOCIATED DIFFUSERS SERVED BY AHU-G-1S. FINAL CONDITIONS TO BE BALANCED AS SHOWN ON SHEETS M3.01, M3.02, AND M3.03.
8. COORDINATE FINAL AIR TERMINAL LOCATIONS WITH ARCHITECTURAL R.C.P.
9. (E) WORK SHOWN LIGHT, (N) WORK SHOWN BOLD.
10. SHADED REGION INDICATES AREAS OUTSIDE OF PROJECT BOUNDARIES.

KEYNOTES:

ACD-001

1. KEYNOTE 1 NOT USED.
2. REPLACE (E) G.R.D WITH (N) G.R.D. REFER TO MB2.01 AND M0.03 FOR G.R.D INFORMATION.

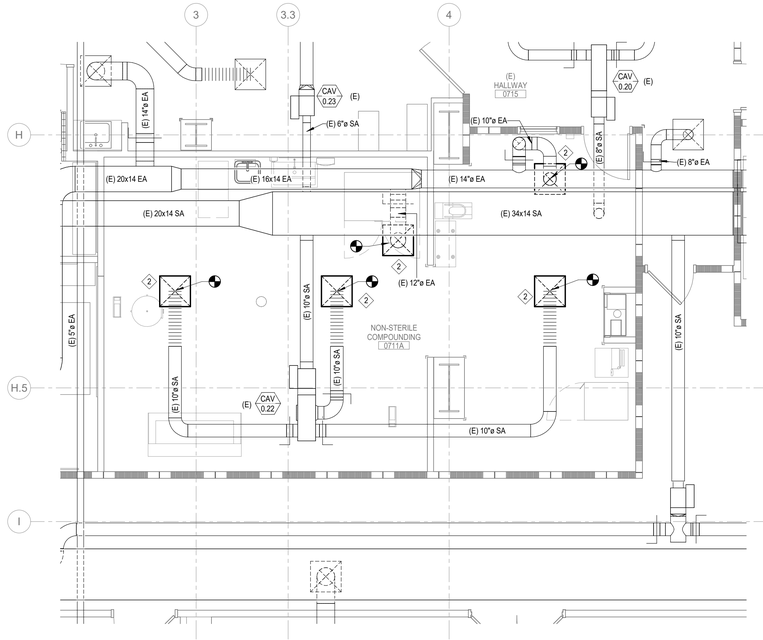
ACD-001



MECHANICAL - ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 1 - ROOM 0711A

30 / M2.02A

SCALE: 1/4" = 1'-0"



MECHANICAL - ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 1 - ROOM 0711A

20 / M2.02A

SCALE: 1/4" = 1'-0"

KEY MAP

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Office of Statewide Hospital Planning and Development
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Tony Tan

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capital engineering
Rancho Cordova, California

JS - MN/KK — PM - DESIGN TEAM
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100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg No.:

Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY

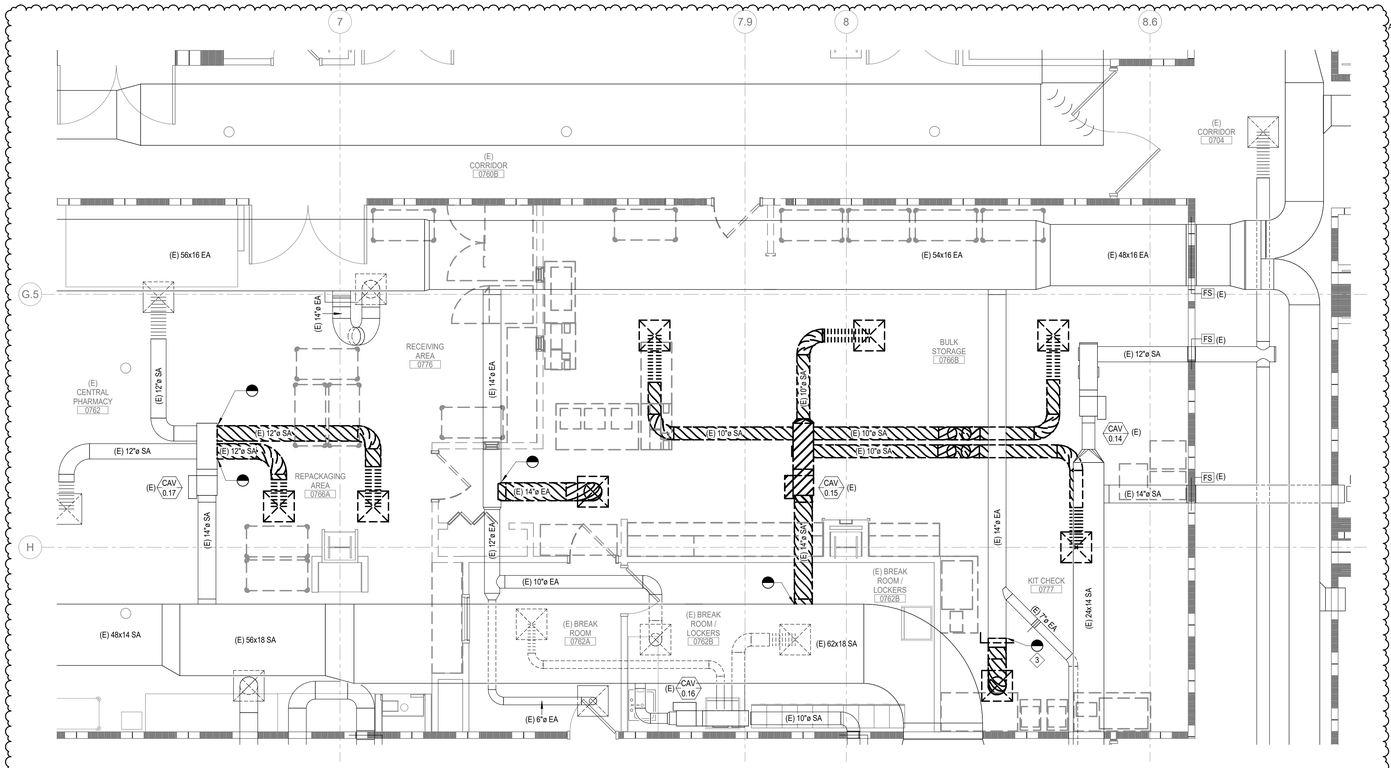
Sheet Title: MECHANICAL - ENLARGED DEMO & REMODEL PLANS - BASEMENT - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	M2.02A
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

7/22/2025 11:46:48 AM L:\2023\230210.000\1200 Drawings\1206.02 Revit Local Files\230210_UCDH_Central Pharmacy Remodel_MP25_MN.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

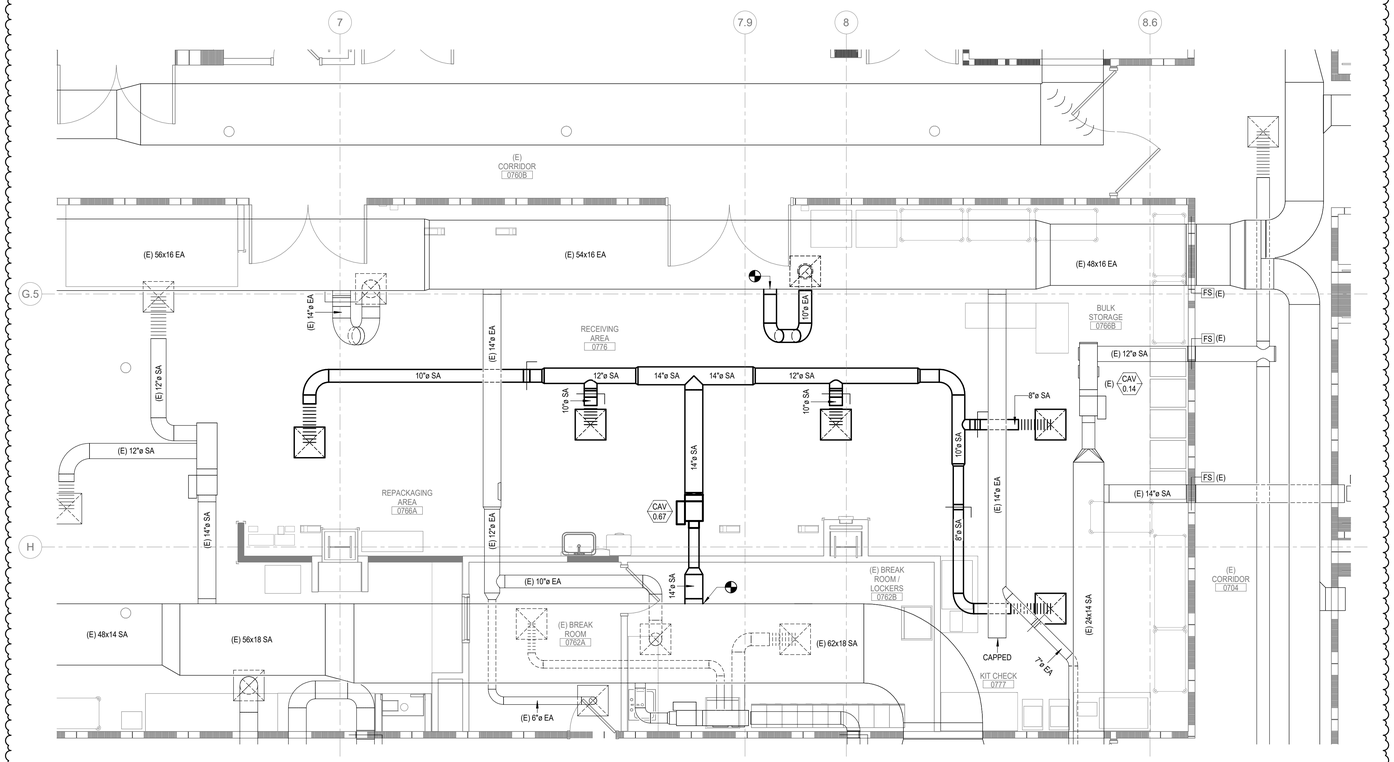
IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY



28 M2.02B

MECHANICAL - ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 1 - STAFF LOUNGE

SCALE: 1/4" = 1'-0"



30 M2.02B

MECHANICAL - ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 1 - STAFF LOUNGE

SCALE: 1/4" = 1'-0"

SHEET NOTES:

1. FIELD VERIFY (E) CONDITIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. MECHANICAL CONTRACTOR SHALL COORDINATE WITH OWNER TO SCHEDULE WORK WHICH MAY DISRUPT BUILDING MECHANICAL SERVICES PRIOR TO COMMENCEMENT OF ANY MECHANICAL DEMOLITION WORK INDICATED ON THIS DRAWING.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL (E) BUILDING SERVICES, (E) BUILDING STRUCTURE & (E) ARCHITECTURAL ELEMENTS ETC. DURING THE ENTIRE PERIOD OF MECHANICAL DEMOLITION WORK. MAINTAIN MECHANICAL AND PLUMBING SERVICES TO ALL AREAS OUTSIDE OF PROJECT BOUNDARY DURING THE PERIOD OF CONSTRUCTION.
4. LOCATIONS OF EXISTING HVAC EQUIPMENT, DUCTS, PIPING, ETC. ARE APPROXIMATE AND ARE INDICATED FOR REFERENCE ONLY. EXACT LOCATIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD AND COORDINATED WITH OTHER NEW & EXISTING EQUIPMENT / SERVICES / EXISTING BUILDING STRUCTURE AND NEW WORK PLATFORM STEEL STRUCTURES.
5. CONTRACTOR SHALL FIELD VERIFY CONDITION AND OPERATION OF ALL (E) & OFCI EQUIPMENT, CONTROLS, VALVES & DEVICES, AND SHALL REPLACE ANY FAULTY EQUIPMENT, CONTROLS, VALVES & DEVICES WITH NEW.
6. DEMO ALL ACCESSORIES, HANGERS AND SUPPORTS ASSOCIATED WITH DEMOLISHED DUCTWORK.
7. (E) WORK SHOWN LIGHT, (N) WORK SHOWN BOLD.
8. SHADED REGION INDICATES AREAS OUTSIDE OF PROJECT BOUNDARIES.

KEYNOTES:

1. REPLACE (E) GRILLE WITH (N) GRILLE. REFER TO MB2.01 AND M0.03 FOR GRILLE INFORMATION.
2. KEYNOTE 2 NOT USED.
3. DEMO DUCT TO POINT SHOWN. CAP OPENING AIR TIGHT.

A2.001

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER — KENNETH A. YEE — M 24700 — EXPIRES 3/31/27 — MECHANICAL — STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

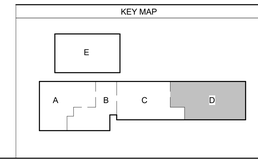
CONSULTANTS:

capital engineering
Rancho Cordova, California
JS - MN/KK — PM - DESIGN TEAM
230210.00 — PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date
ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

KEY MAP



Account No.: 9558910
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Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - ENLARGED DEMO & REMODEL PLANS - BASEMENT - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	M2.02B
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

7/22/2025 11:46:49 AM L:\2023\230210.00\1200 Drawings\1206.02 Revit Local Files\230210_UCDH_Central Pharmacy Remodel_MP25_MN.rvt

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

ARCH

SCOPE PHASE REVISED
SHEET NOT LONGER NEEDED

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER
KRISTEN A. MYERS
M 24700
EXPIRES 3/31/27
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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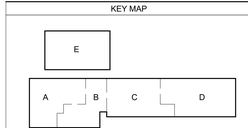

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - ENLARGED DEMO AND REMODEL PLANS - BASEMENT - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	M2.03A
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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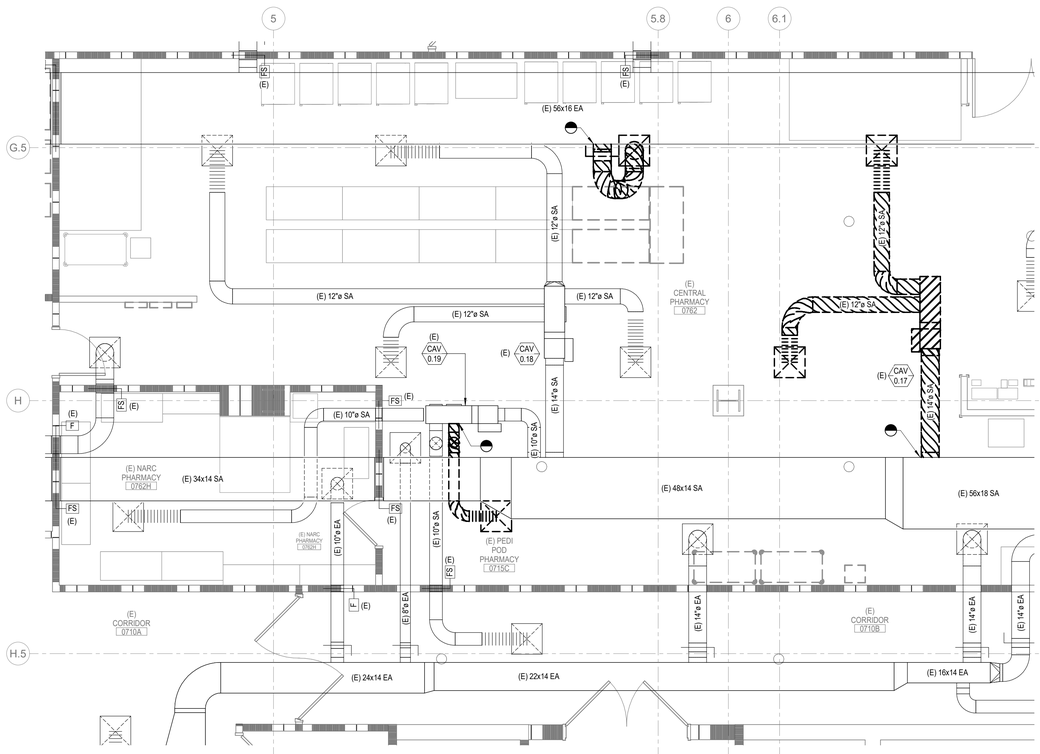
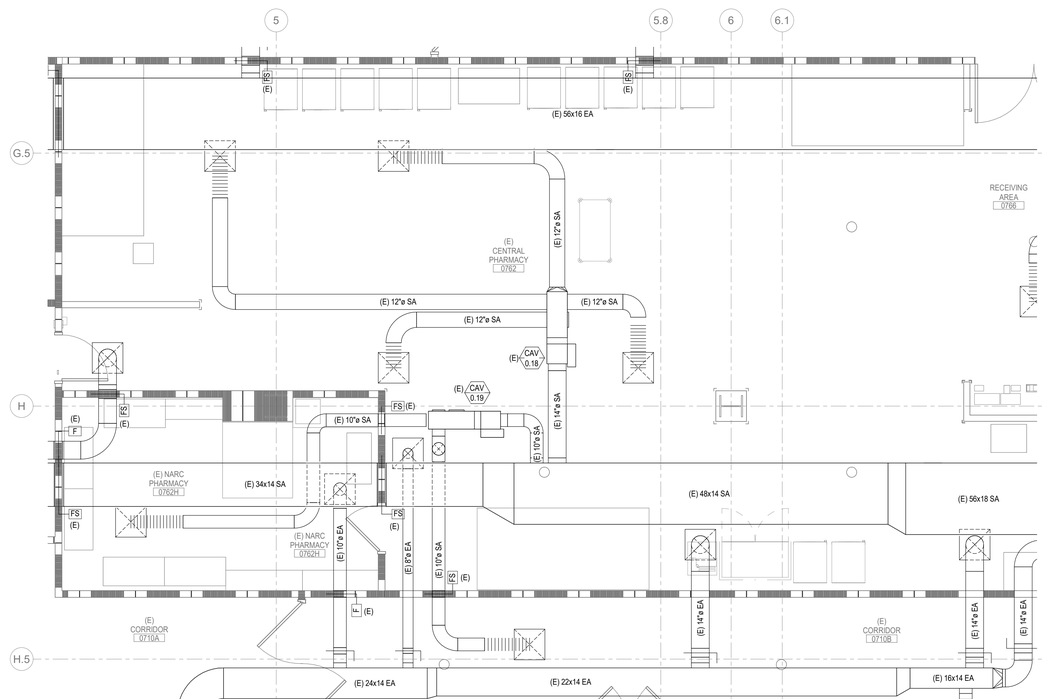


28 / M2.03B

MECHANICAL - ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 2

SCALE: 1/4" = 1'-0"



30 / M2.03B

MECHANICAL - ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 2

SCALE: 1/4" = 1'-0"

SHEET NOTES:

1. FIELD VERIFY (E) CONDITIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. MECHANICAL CONTRACTOR SHALL COORDINATE WITH OWNER TO SCHEDULE WORK WHICH MAY DISRUPT BUILDING MECHANICAL SERVICES PRIOR TO COMMENCEMENT OF ANY MECHANICAL DEMOLITION WORK INDICATED ON THIS DRAWING.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL (E) BUILDING SERVICES, (E) BUILDING STRUCTURE & (E) ARCHITECTURAL ELEMENTS ETC. DURING THE ENTIRE PERIOD OF MECHANICAL DEMOLITION WORK. MAINTAIN MECHANICAL AND PLUMBING SERVICES TO ALL AREAS OUTSIDE OF PROJECT BOUNDARY DURING THE PERIOD OF CONSTRUCTION.
4. LOCATIONS OF EXISTING HVAC EQUIPMENT, DUCTS, PIPING, ETC. ARE APPROXIMATE AND ARE INDICATED FOR REFERENCE ONLY. EXACT LOCATIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD AND COORDINATED WITH OTHER NEW & EXISTING EQUIPMENT / SERVICES / EXISTING BUILDING STRUCTURE AND NEW WORK PLATFORM STEEL STRUCTURES.
5. CONTRACTOR SHALL FIELD VERIFY CONDITION AND OPERATION OF ALL (E) & OFCI EQUIPMENT, CONTROLS, VALVES & DEVICES, AND SHALL REPLACE ANY FAULTY EQUIPMENT, CONTROLS, VALVES & DEVICES WITH NEW.
6. DEMO ALL ACCESSORIES, HANGERS AND SUPPORTS ASSOCIATED WITH DEMOLISHED DUCTWORK.
7. (E) WORK SHOWN LIGHT, (N) WORK SHOWN BOLD.
8. SHADED REGION INDICATES AREAS OUTSIDE OF PROJECT BOUNDARIES.

KEYNOTES:

ACD-001

1. KEYNOTE 1 NOT USED.
2. KEYNOTE 2 NOT USED.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER — KATHRYN A. TAYLOR — M 24700 — EXPIRES 3/31/27 — MECHANICAL — STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
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Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

capital engineering
Rancho Cordova, California
JS - MN/KK — PM - DESIGN TEAM
230210.00 — PROJECT NO.

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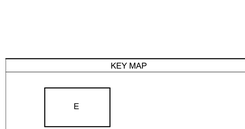
ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

KEY MAP



Account No.: 9558910
HCAI No.:
Bldg No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - ENLARGED DEMO AND REMODEL PLANS - BASEMENT - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	M2.03B
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

7/22/2025 11:46:50 AM L:\2023\23021000\1200 Drawings\1206.02 Revit Local Files\230210_UCDH_Central Pharmacy Remodel_MP25_MN.rvt

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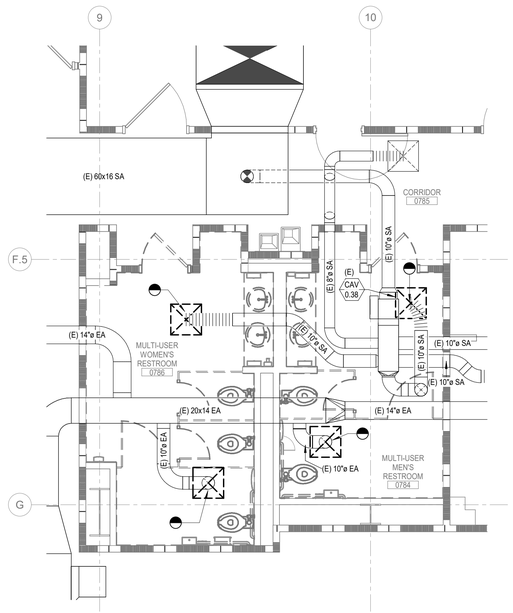
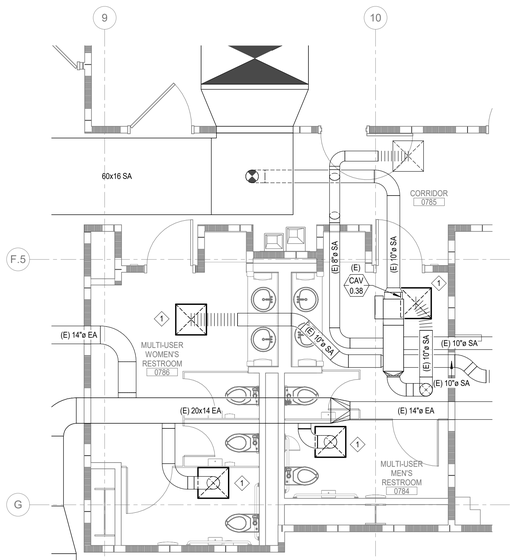


1 M2.03C

MECHANICAL - ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 2 - MULTI-USER RESTROOM

SCALE: 1/4" = 1'-0"



2 M2.03C

MECHANICAL - ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 2 - MULTI-USER RESTROOM

SCALE: 1/4" = 1'-0"

SHEET NOTES:

1. FIELD VERIFY (E) CONDITIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES.
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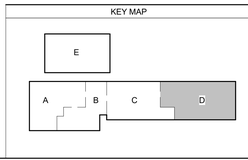
6. DEMO ALL ACCESSORIES, HANGERS AND SUPPORTS ASSOCIATED WITH DEMOLISHED DUCTWORK.
7. (E) WORK SHOWN LIGHT, (N) WORK SHOWN BOLD.
8. SHADED REGION INDICATES AREAS OUTSIDE OF PROJECT BOUNDARIES.

KEYNOTES:

1. REPLACE (E) G.R.D. WITH (N) G.R.D. REFER TO MB2.02 AND M0.03 FOR G.R.D INFORMATION.
2. KEYNOTE 2 NOT USED.

ACD-001

KEY MAP



REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER — STEPHEN A. MYERS — M24700 EXPIRES 3/31/27 — MECHANICAL — STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

capital engineering
Rancho Cordova, California
JS - MN/KK (PM - DESIGN TEAM) 230210.00 (PROJECT NO.)

THIS ISSUE:	ISSUED FOR	Date
ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - ENLARGED DEMO AND REMODEL PLANS - BASEMENT - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	M2.03C
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

7/22/2025 11:45:51 AM L:\2023\23021\0.00\1200 Drawings\1206.02 Revit Local Files\23210_UCDH_Central Pharmacy Remodel_MP25_MN.rvt

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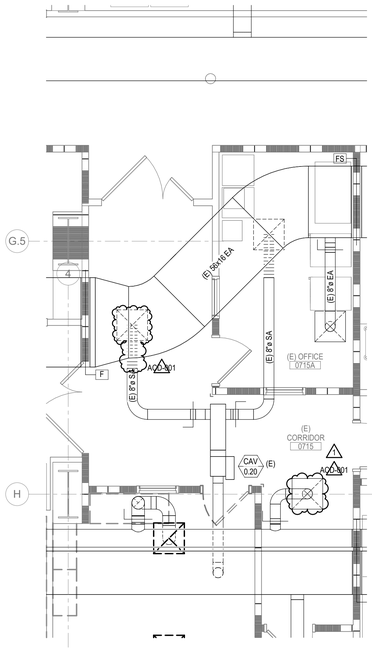
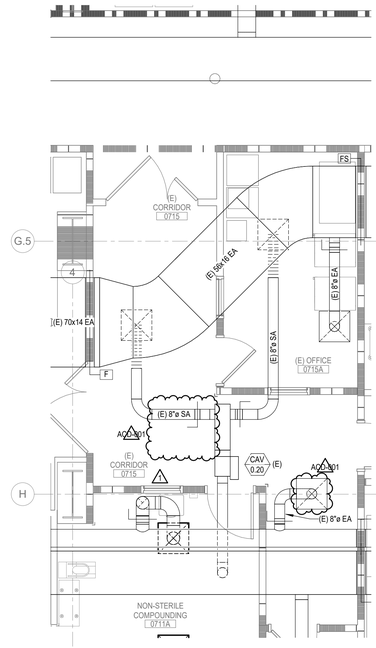


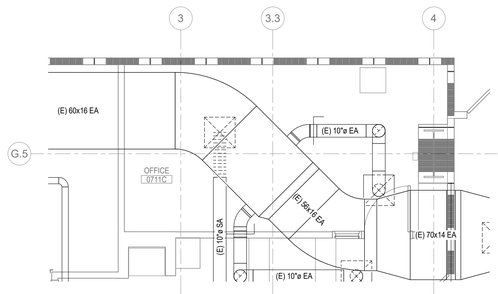
29 M2.03D MECHANICAL - ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 2 - CORRIDOR

SCALE: 1/4" = 1'-0"



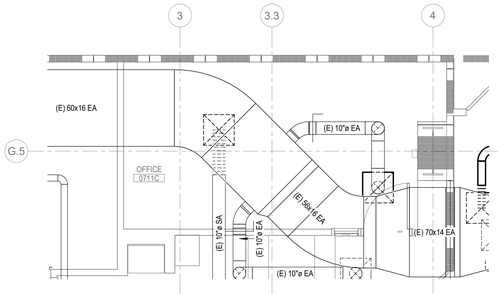
19 M2.03D MECHANICAL - ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 2 - CORRIDOR

SCALE: 1/4" = 1'-0"



1 M2.03D MECHANICAL - ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 2 - 0711C

SCALE: 1/4" = 1'-0"



2 M2.03D MECHANICAL - ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 2 - 0711C

SCALE: 1/4" = 1'-0"

SHEET NOTES:

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6. DEMO ALL ACCESSORIES, HANGERS AND SUPPORTS ASSOCIATED WITH DEMOLISHED DUCTWORK.
7. PERFORM PRE-CONSTRUCTION SUPPLY AND EXHAUST AIR MEASUREMENTS OF ALL TERMINAL BOXES, VOLUME DAMPERS AND ASSOCIATED DIFFUSERS SERVED BY AHU-G-1S. FINAL CONDITIONS TO BE BALANCED AS SHOWN ON SHEETS M3.01, M3.02, AND M3.03.
8. COORDINATE FINAL AIR TERMINAL LOCATIONS WITH ARCHITECTURAL R.C.P.
9. (E) WORK SHOWN LIGHT, (N) WORK SHOWN BOLD.
10. SHADED REGION INDICATES AREAS OUTSIDE OF PROJECT BOUNDARIES.

KEYNOTES:

AD2.001

1. KEYNOTE 1 NOT USED.
2. KEYNOTE 2 NOT USED.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

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DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER
KRISTEN A. MYERS
M 24700
EXPIRES 3/31/27
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

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FACILITIES DESIGN & CONSTRUCTION
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SACRAMENTO, CALIFORNIA, 95317
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

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Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

capital engineering
Rancho Cordova, California
JS - MN/KK PM - DESIGN TEAM
230210.00 PROJECT NO.

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1	Backcheck 1	09/16/2024
ACD-001	Scope Reduction	03/18/25

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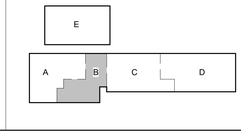
KEY MAP



Account No.: 9558910
HCAI No.:
Bldg No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - ENLARGED DEMO & REMODEL PLANS - BASEMENT - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	M2.03D
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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SCOPE PHASE REVISED
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APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER
KRISTEN A. MYERS
M 24700
EXPIRES 3/31/27
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
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HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

capital engineering
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JS - MN/KK (PM - DESIGN TEAM) 230210.00 (PROJECT NO.)

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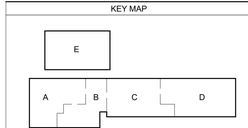

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - ENLARGED DEMO AND REMODEL PLANS - BASEMENT - PHASE 3

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	M2.04A
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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A2.0-001

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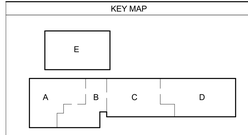

Account No.: 9558910
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Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - ENLARGED DEMO AND REMODEL PLANS - BASEMENT - PHASE 3

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
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Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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AD-001

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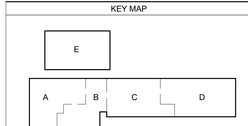
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - ROOF PLAN

KEY MAP



Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/16" = 1'-0"	M2.14
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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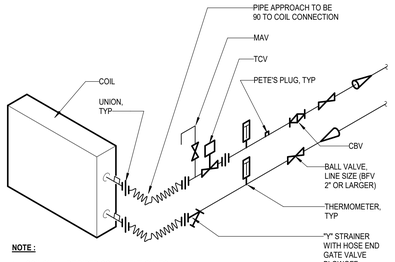
9 M5.00 NOT IN USE

SCALE: NONE

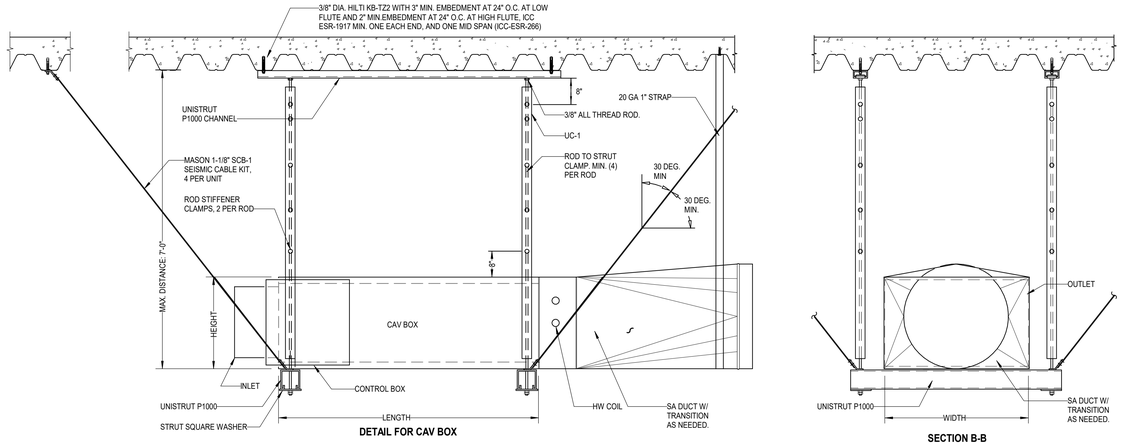


NOTE :

1. COIL SHALL BE PIPED COUNTER FLOW TO AIR FLOW; SUPPLY AT BOTTOM.
2. FLEX CONNECTION TO BE 18" MIN UP TO PIPE SIZE OF 1" AND ABOVE 1" TO 2" 24" IN LENGTH MIN. 3. PIPES LARGER THAN 2", HARD PIPE TO COIL.

8 M5.00 TU HHW COIL PIPING (2-WAY)

SCALE: NONE

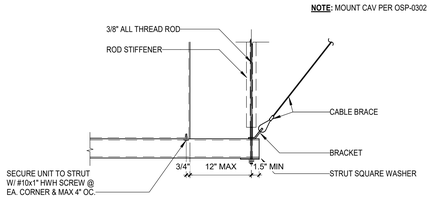


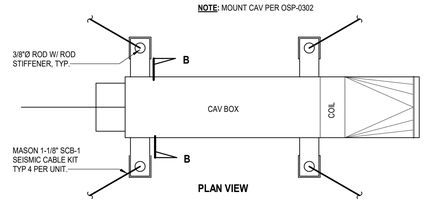
DETAIL FOR CAV BOX

NOTE: MOUNT CAV PER OSP-0302

SECTION B-B

NOTE: MOUNT CAV PER OSP-0302





PLAN VIEW

NOTE: MOUNT CAV PER OSP-0302

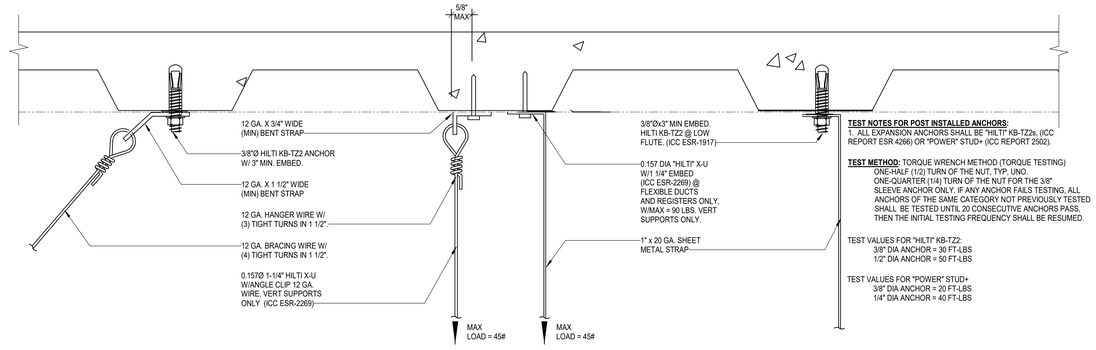
7 M5.00 SINGLE DUCT TERMINAL UNIT (75 LBS AND OVER)

SCALE: NONE

ACD-001

6 M5.00 NOT IN USE

SCALE: NONE



TEST NOTES FOR POST INSTALLED ANCHORS:

1. ALL EXPANSION ANCHORS SHALL BE "HILTI" KB-TZ2s. (ICC REPORT ESR 4266) OR "POWER" STUD+ (ICC REPORT 2502).

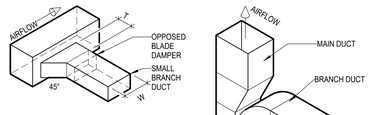
TEST METHOD: TORQUE WRENCH METHOD (TORQUE TESTING)
ONE-HALF (1/2) TURN OF THE NUT, TYP. UNO.
ONE-QUARTER (1/4) TURN OF THE NUT FOR THE 3/8" SLEEVE ANCHOR ONLY. IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED SHALL BE TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS, THEN THE INITIAL TESTING FREQUENCY SHALL BE RESUMED.

TEST VALUES FOR "HILTI" KB-TZ2:
3/8" DIA ANCHOR = 30 FT-LBS
1/2" DIA ANCHOR = 50 FT-LBS

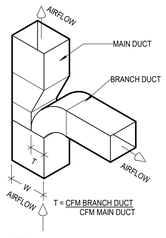
TEST VALUES FOR "POWER" STUD+
3/8" DIA ANCHOR = 20 FT-LBS
1/4" DIA ANCHOR = 40 FT-LBS

5 M5.00 DUCT & FLEX AIR TU HANGER & UPPER

SCALE: NONE



TYP. BRANCH DUCT
L = "W (4" MIN.)

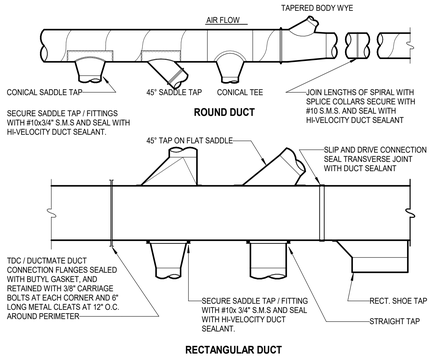


T = CFM BRANCH DUCT / CFM MAIN DUCT

NOTE:
SPLITTER DAMPERS SHALL BE USED AT ALL MAJOR DUCT TAKE-OFFS.

4 M5.00 BRANCH DUCT TAKE-OFF

SCALE: NONE

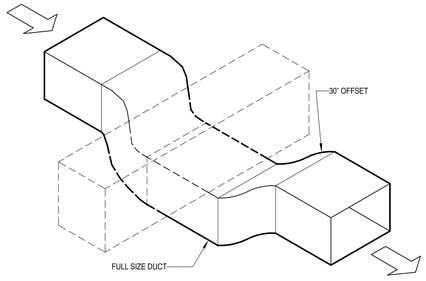


ROUND DUCT

RECTANGULAR DUCT

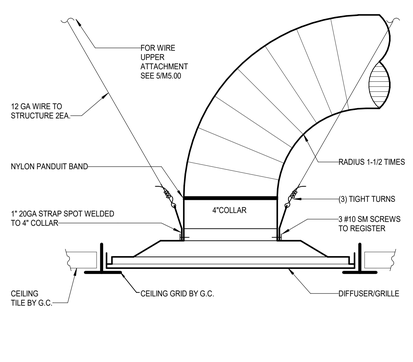
3 M5.00 ROUND & RECT. DUCT CONNECTION ALT.

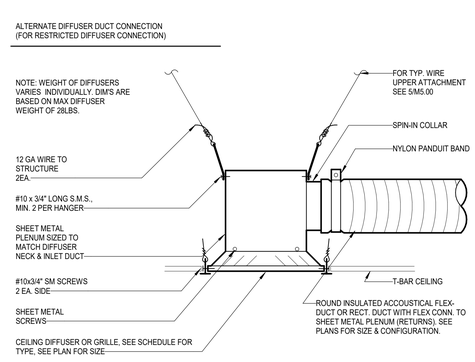
SCALE: NONE



2 M5.00 RECT. DUCT OFFSET TO AVOID OBSTRUCT.

SCALE: NONE





1 M5.00 CEILING DIFFUSER / GRILLE

SCALE: NONE

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DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER KRISTEN A. KYSER M 24700 EXPIRES 3/31/27 MECHANICAL STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

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HY ARCHITECTS PROJECT #: 5938

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Sheet Title: MECHANICAL DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: As indicated	M5.00
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. M5.01
UCDMC Project Mgr. AA	Scale: 12" = 1'-0"	
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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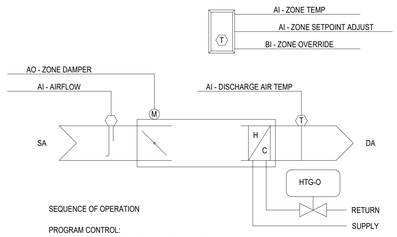
2 M6.00 NOT IN USE
SCALE: NONE



SEQUENCE OF OPERATION

PROGRAM CONTROL:
THE CAV BOX UNITS WILL OPERATE CONTINUOUSLY WHILE AHU-G-1S IS ENABLED.

CAV DAMPER CONTROL:
THE CAV BOX CONTROLLER SENSES ROOM TEMPERATURE (ZN- T), AND MODULATES THE REHEAT COIL (BOX/HTG) TO MAINTAIN THE ROOM TEMPERATURE SET POINT 72°F (ADJ.). THE ZONE DAMPER WILL MODULATE TO MAINTAIN ROOM AIRFLOW SET POINT. ROOM AIRFLOW TO BE REPORTED TO BMS.

1 M6.00 CAV W/ REHEAT CONTROLS
SCALE: NONE

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UCDMC Project Mgr. AA	Scale: 12" = 1'-0"	M6.00
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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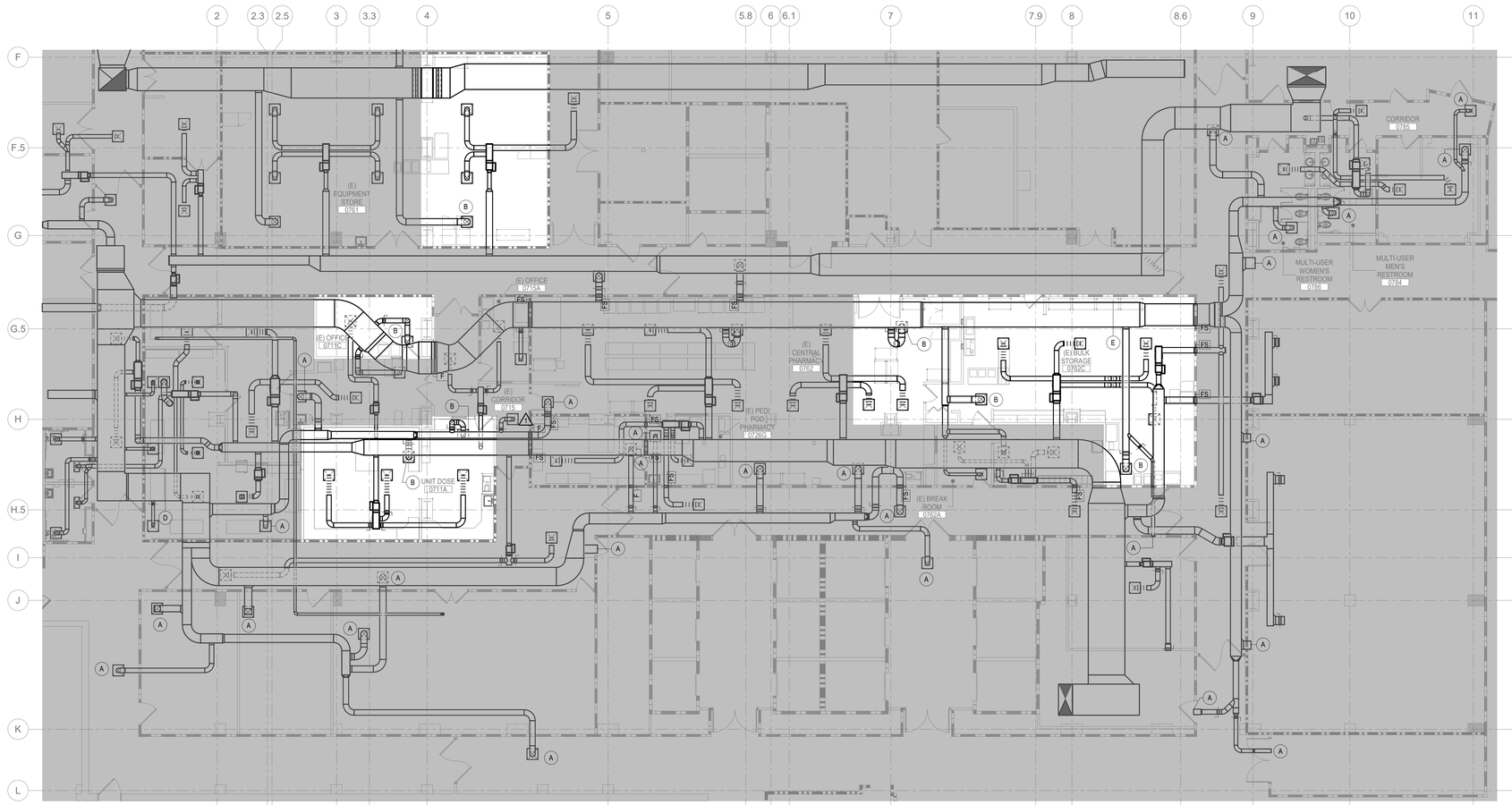


30 / MA2.01 MECHANICAL - BASEMENT AIR PRECAUTIONS PLAN - PRE-PHASE 1

SCALE: 1" = 10'-0"

SHEET NOTES:

1. PRIOR TO THE START OF PHASE 1 AND AT THE COMPLETION OF PHASE 1 CONSTRUCTION. PERFORM ALL AIR PRECAUTIONS AND AIRFLOW READINGS AS SHOWN AND PROVIDE A COPY OF THE REPORT TO THE M.E.O.R. FOR REVIEW.
2. PRE-BALANCE AND BALANCE WORK SHOWN OUTSIDE LIMITS OF PHASE WORK IS REQUIRED TO ASSURE THAT THE ADDITION OR CHANGES TO AIRFLOWS WITHIN THE PHASE BOUNDARIES DO NOT CHANGE AIRFLOW OR PRESSURE RELATIONSHIPS OUTSIDE OF PHASE BOUNDARIES. (1)
3. PER CAN 2-102.6 HVAC SYSTEMS WITH PRESSURE INDEPENDENT TERMINAL UNITS DO NOT REQUIRE AIRFLOW MEASUREMENTS. EXISTING SUPPLY AIR TERMINAL UNITS ARE PRESSURE INDEPENDENT. EXISTING EXHAUST AIR SYSTEM IS NOT PRESSURE INDEPENDENT.
4. SHADED REGION REPRESENTS AREAS OUTSIDE OF PHASE.

ADD 1

KEYNOTES:

(A) PRIOR TO ANY DEMOLITION WORK OBTAIN AIRFLOW READINGS AT ALL INLETS/OUTLETS NOTED. PROVIDE A COPY OF THE REPORT TO THE M.E.O.R. FOR REVIEW. MAINTAIN AIRFLOWS AT THESE LOCATIONS THROUGHOUT THE PERIOD OF CONSTRUCTION. ROOMS NOT IN COMPLIANCE WITH TABLE-4A MAY REQUIRE ADDITIONAL BALANCING. (1)

AFTER ALL WORK IS COMPLETED, RECORD ALL AIRFLOWS AT POINTS NOTED AND PROVIDE A COPY OF THE REPORT TO THE M.E.O.R. FOR REVIEW.

(B) PRIOR TO ANY DEMOLITION WORK OBTAIN AIRFLOW READINGS AT ALL INLETS/OUTLETS NOTED. PROVIDE A COPY OF THE REPORT TO THE M.E.O.R. FOR REVIEW.

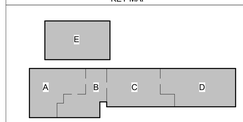
(1)

(C) KEYNOTE C NOT USED.

(D) BASED ON EXISTING DRAWINGS, THE AIRFLOW AT THIS POINT IS 8085 CFM. THE EXISITNG EXHAUST AIRFLOW IN THE PROJECT AREA IS 790 CFM. THE NEW PROJECT EXHAUST AIRFLOW IS 780 CFM FOR A DIFFERENCE OF -10 CFM. THE PERCENTAGE IN CHANGE OF PROJECT AIR IS BELOW ACCEPTED AIR BALANCE TOLERANCES PER CAN 2-102.6. NO FURTHER MEASUREMENTS ARE REQUIRED BEYOND THIS POINT.

(E) BASED ON EXISTING DRAWINGS, THE AIRFLOW AT THIS POINT IS 7035 CFM. THE EXISITNG EXHAUST AIRFLOW IN THE PROJECT AREA IS 695 CFM. THE NEW PROJECT EXHAUST AIRFLOW IS 590 CFM FOR A DIFFERENCE OF -195 CFM. THE PERCENTAGE IN CHANGE OF PROJECT AIR IS BELOW ACCEPTED AIR BALANCE TOLERANCES PER CAN 2-102.6. NO FURTHER MEASUREMENTS ARE REQUIRED BEYOND THIS POINT.

KEY MAP



REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER KRISTEN A. MYERS M24700 EXPIRES 3/31/27 MECHANICAL STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
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(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
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530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

capital engineering
RANCHO CORDOVA, CALIFORNIA
JS - MN/KK PM - DESIGN TEAM
230210.00 PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date
1	Backcheck 1	09/16/2024
ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - BASEMENT AIR PRECAUTIONS PLAN - PRE-PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1" = 10'-0"	MA2.01
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

7/22/2025 11:46:57 AM L:\2023\230210.001\1200 Drawings\11206.02 Revit Local Files\230210_UCDH_Central Pharmacy Remodel_MP25_MN.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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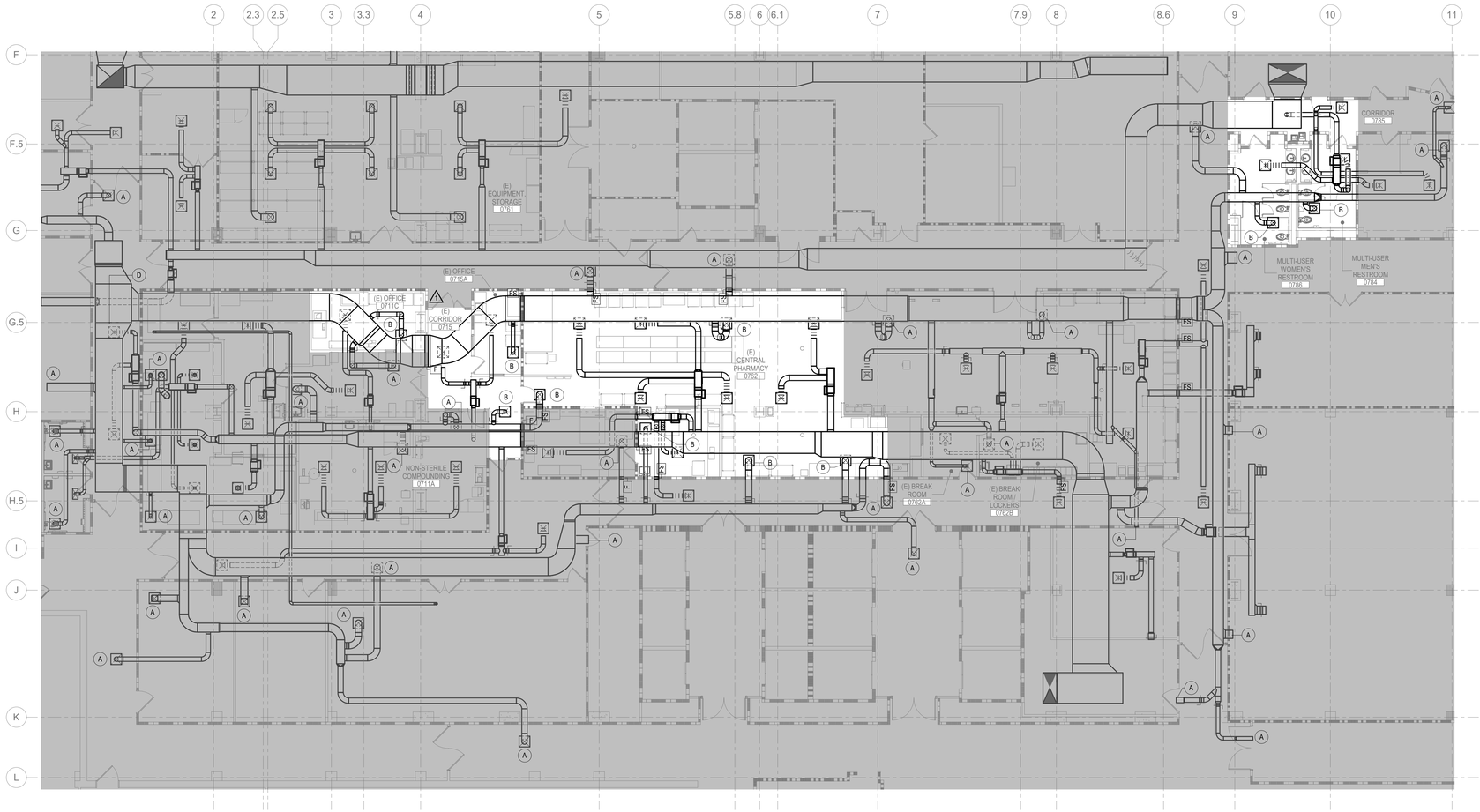


1 MA2.02 MECHANICAL - BASEMENT AIR PRECAUTIONS PLAN - PRE-PHASE 2

SCALE: 1" = 10'-0"

SHEET NOTES:

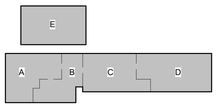
1. PRIOR TO THE START OF PHASE 2 AND AT THE COMPLETION OF PHASE 2 CONSTRUCTION, PERFORM ALL AIR PRECAUTIONS AND AIRFLOW READINGS AS SHOWN AND PROVIDE A COPY OF THE REPORT TO THE M.E.O.R. FOR REVIEW.
2. PRE-BALANCE AND BALANCE WORK SHOWN OUTSIDE LIMITS OF PHASE WORK IS REQUIRED TO ASSURE THAT THE ADDITION OR CHANGES TO AIRFLOWS WITHIN THE PHASE BOUNDARIES DO NOT CHANGE AIRFLOW OR PRESSURE RELATIONSHIPS OUTSIDE OF PHASE BOUNDARIES. (1)
3. PER CAN 2-102.6 HVAC SYSTEMS WITH PRESSURE INDEPENDENT TERMINAL UNITS DO NOT REQUIRE AIRFLOW MEASUREMENTS. EXISTING SUPPLY AIR TERMINAL UNITS ARE PRESSURE INDEPENDENT. EXISTING EXHAUST AIR SYSTEM IS NOT PRESSURE INDPENDENT.
4. SHADED REGION REPRESENTS AREAS OUTSIDE OF PHASE.

KEYNOTES:

ADD #1

- (A) PRIOR TO ANY DEMOLITION WORK OBTAIN AIRFLOW READINGS AT ALL INLETS/OUTLETS NOTED. PROVIDE A COPY OF THE REPORT TO THE M.E.O.R. FOR REVIEW. MAINTAIN AIRFLOWS AT THESE LOCATIONS THROUGHOUT THE PERIOD OF CONSTRUCTION. ROOMS NOT IN COMPLIANCE WITH TABLE-4A MAY REQUIRE ADDITIONAL BALANCING. (1)
  AFTER ALL WORK IS COMPLETED, RECORD ALL AIRFLOWS AT POINTS NOTED AND PROVIDE A COPY OF THE REPORT TO THE M.E.O.R. FOR REVIEW.
- (B) PRIOR TO ANY DEMOLITION WORK OBTAIN AIRFLOW READINGS AT ALL INLETS/OUTLETS NOTED. PROVIDE A COPY OF THE REPORT TO THE M.E.O.R. FOR REVIEW.
- (C) KEYNOTE C NOT USED. (1)
- (D) BASED ON EXISTING DRAWINGS, THE AIRFLOW AT THIS POINT IS 20,930 CFM. THE EXISITNG EXHAUST AIRFLOW IN THE PROJECT AREA IS 2950 CFM. THE NEW PROJECT EXHAUST AIRFLOW IS 1615 CFM FOR A DIFFERENCE OF -1135 CFM. THE PERCENTAGE IN CHANGE OF PROJECT AIR IS BELOW ACCEPTED AIR BALANCE TOLERANCES PER CAN 2-102.6. NO FURTHER MEASUREMENTS ARE REQUIRED BEYOND THIS POINT.

KEY MAP



REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S24103-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER — KEVIN A. MYERS — M 24700 — EXPIRES 3/31/27 — MECHANICAL — STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
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HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

capital engineering
Rancho Cordova, California

JS - MN/KK — PM - DESIGN TEAM
230210.00 — PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date
1	Backcheck 1	09/16/2024
ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - BASEMENT AIR PRECAUTIONS PLAN - PRE-PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1" = 10'-0"	MA2.02
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

7/22/2025 11:47:00 AM L:\2023\230210.001\1200 Drawings\1206.02 Revit Local Files\230210_UCDH_Central Pharmacy Remodel_MP25_MN.rvt

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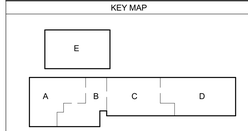
AD-001 1

SCOPE PHASE REVISED
SHEET NOT LONGER NEEDED

KEY MAP



REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER
KRISTEN A. MYERS
M 24700
EXPIRES 3/31/27
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

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FACILITIES DESIGN & CONSTRUCTION
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HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

capital engineering
Rancho Cordova, California
JS - MN/KK (PM - DESIGN TEAM) 230210.00 (PROJECT NO.)

THIS ISSUE:	ISSUED FOR	Date
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ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - BASEMENT AIR PRECAUTIONS PLAN - PRE-PHASE 3

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1" = 10'-0"	MA2.03
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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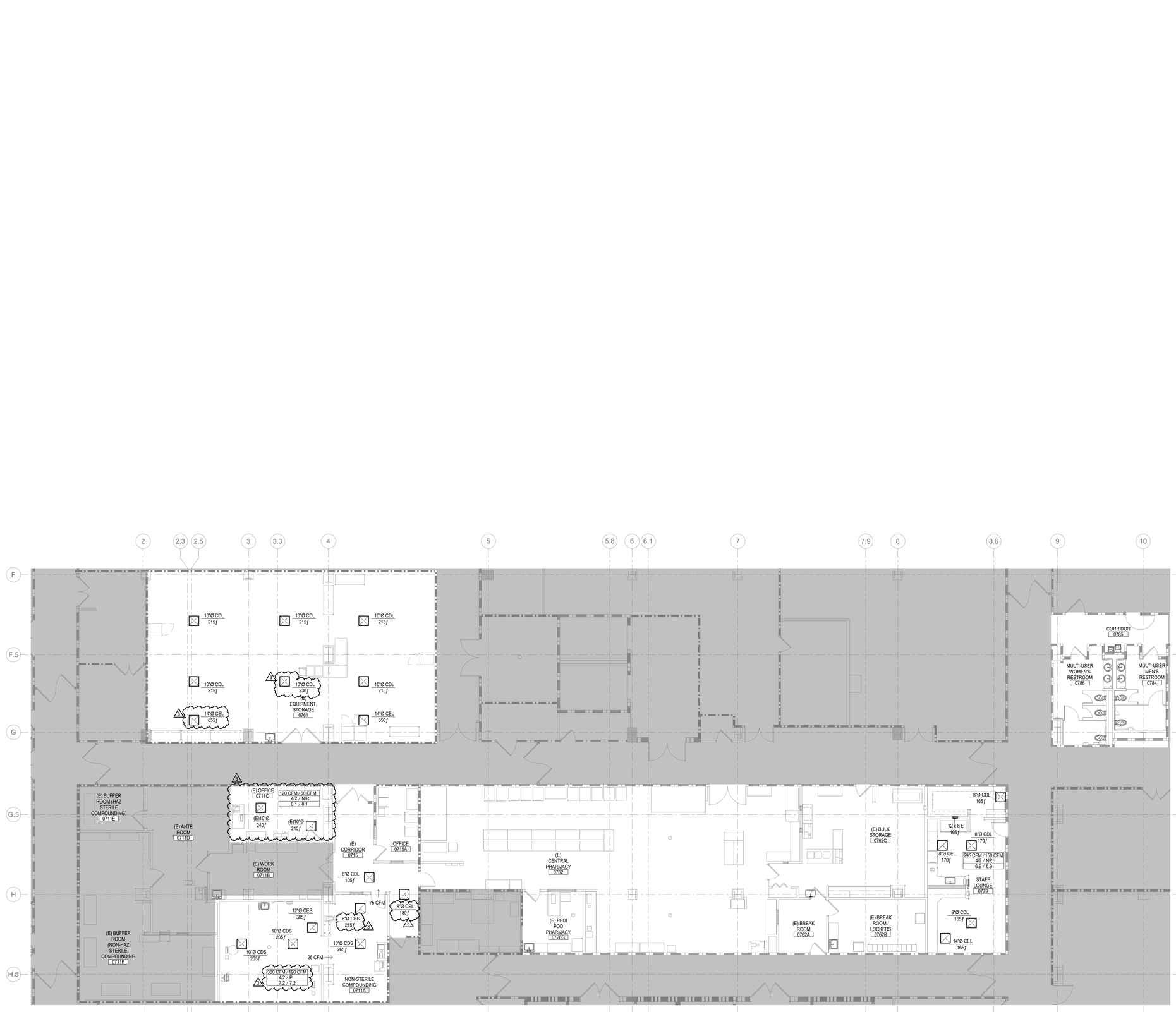


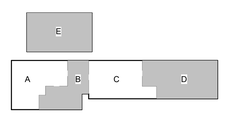
1 MB2.01 MECHANICAL - BASEMENT AIR BALANCE PLAN - PHASE 1

SCALE: 1/8" = 1'-0"

SHEET NOTES:

1. ROOM BALANCE TAGS ARE READ AS FOLLOWS:
   1ST ROW - TABLE-4A REQ. SA / TABLE-4A REQ. OSA
   2ND ROW - TABLE-4A REQ. SA ACH/TABLE-4A REQ. OSA ACH / TABLE-4A REQ. ROOM PRESSURE
   3RD ROW - ACTUAL SA ACH / ACTUAL OSA ACH

KEY MAP



REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development

2/10/2025, 8:15:10 AM

S241013-34-00

Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER STEPHEN A. NUTES M 24700 EXPIRES 3/31/25 MECHANICAL STATE OF CALIFORNIA

DATE SIGNED: 12/13/2024

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
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530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

capital engineering
RANCHO CORDOVA, CALIFORNIA

JS - MN/KK (PM - DESIGN TEAM) 230210.00 (PROJECT NO.)

THIS ISSUE:	ISSUED FOR	Date
3	Backcheck 2	12/13/2024

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCA No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - BASEMENT AIR BALANCE PLAN - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/8" = 1'-0"	MB2.01
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

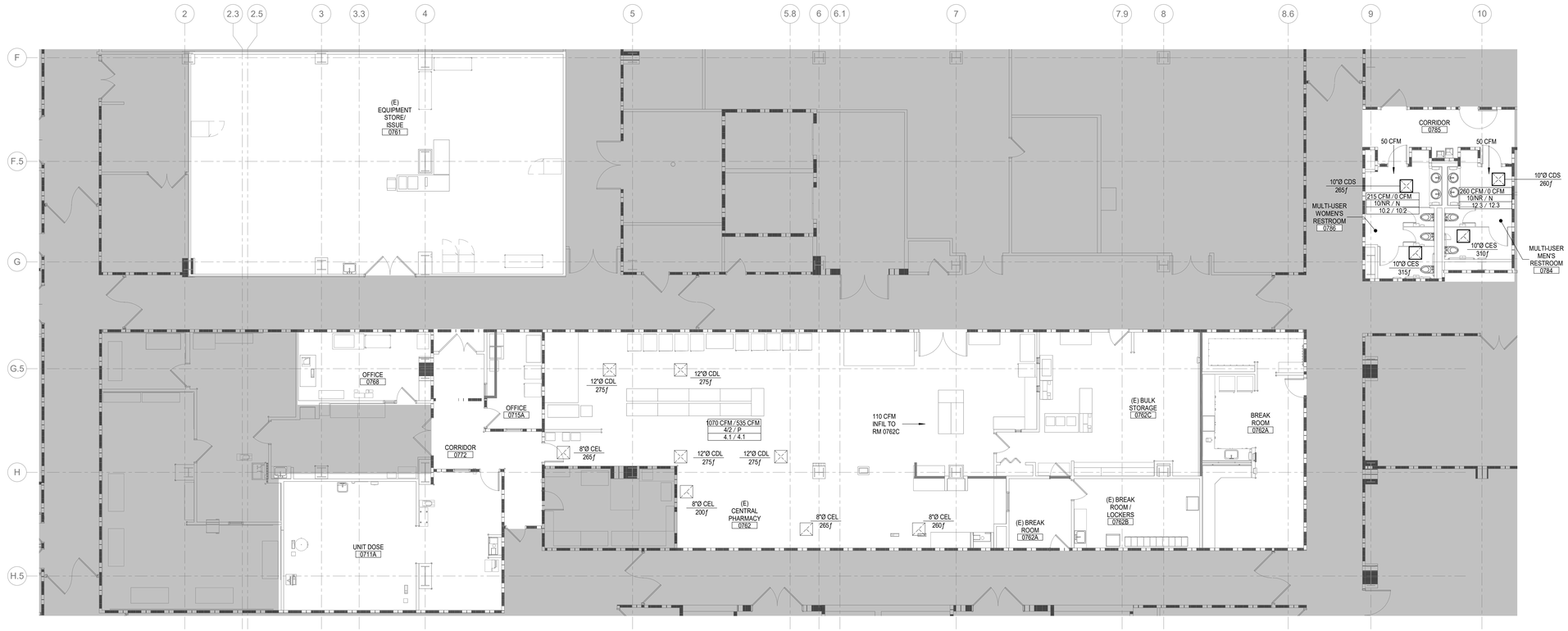
12/13/2024 4:04:48 PM C:\Users\ned.lionakis\OneDrive - Capital\Documents\230210_UCDH_Central Pharmacy Remodel_MP23_Central_Ned Lionakis.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

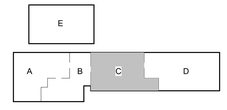
IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

SHEET NOTES:

1. ROOM BALANCE TAGS ARE READ AS FOLLOWS:
   1ST ROW - TABLE-4A REQ. SA / TABLE-4A REQ. OSA
   2ND ROW - TABLE-4A REQ. SA ACH/TABLE-4A REQ. OSA ACH / TABLE-4A REQ. ROOM PRESSURE
   3RD ROW - ACTUAL SA ACH / ACTUAL OSA ACH



KEY MAP



30 MB2.02 MECHANICAL - BASEMENT AIR BALANCE PLAN - PHASE 2
SCALE: 1/8" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REG. EXPIRES PROFESSIONAL ENGINEER STEPHEN A. M. KEO M 24700 EXPIRES 3/31/25 MECHANICAL STATE OF CALIFORNIA

DATE SIGNED: 06/12/2024

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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(916)734-7024

HY ARCHITECTS PROJECT #: 5938
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CONSULTANTS:
capital engineering
Rancho Cordova, California
JS - MN/KK (PM - DESIGN TEAM) 230210.00 (PROJECT NO.)

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Account No.: 9558910
HCA No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - BASEMENT AIR BALANCE PLAN - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/8" = 1'-0"	MB2.02
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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6/12/2024 4:43:15 PM

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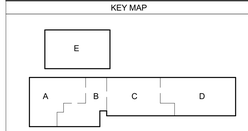
ACD-001

SCOPE PHASE REVISED
SHEET NOT LONGER NEEDED

KEY MAP



REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER
KRISTEN A. MYERS
M 24700
EXPIRES 3/31/27
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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SACRAMENTO, CALIFORNIA, 95317
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

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Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

capital engineering
Rancho Cordova, California
JS - MN/KK — PM - DESIGN TEAM
230210.00 — PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date
ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL - BASEMENT AIR BALANCE PLAN - PHASE 3

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale:	MB2.03
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

7/22/2025 11:47:02 L:\2023\23021\0\01\300 Drawings\1306.02 Revit Local Files\230210_UCDH_Central Pharmacy Remodel_MP25_MN.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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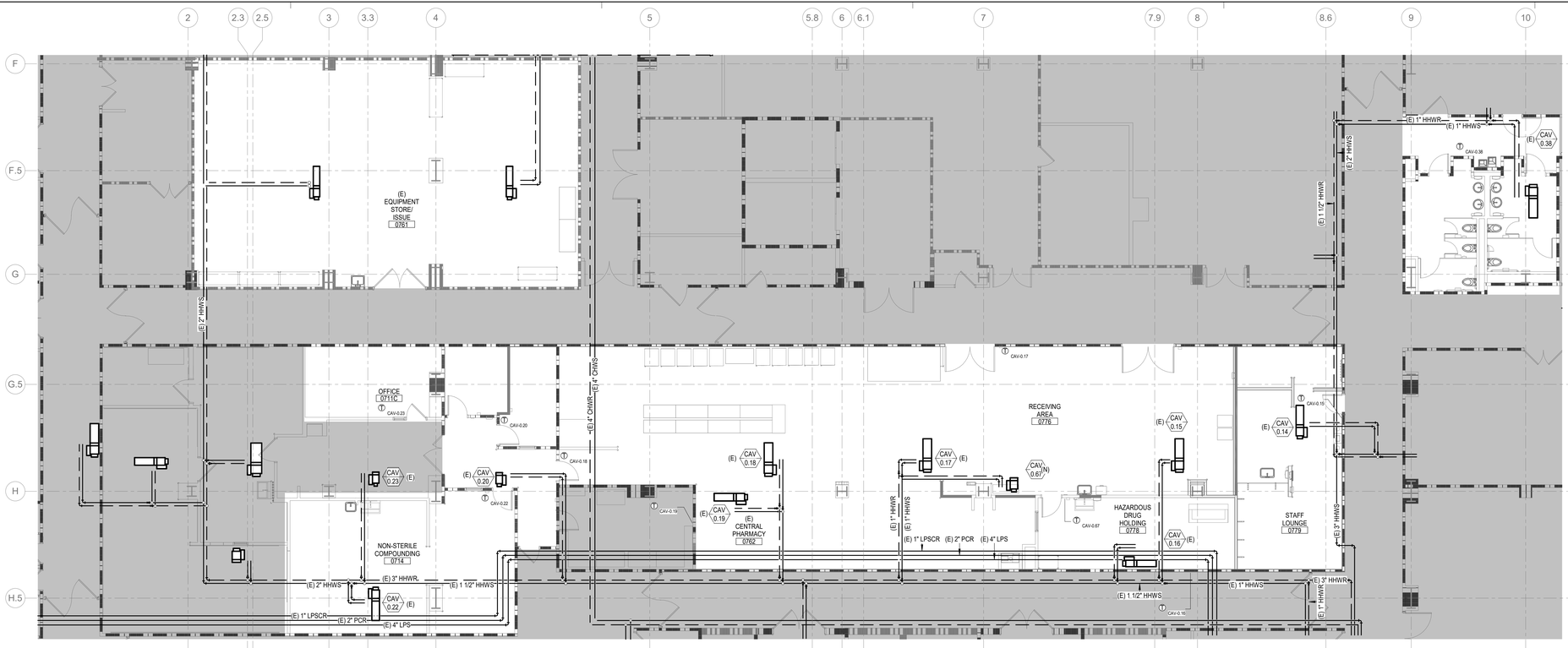
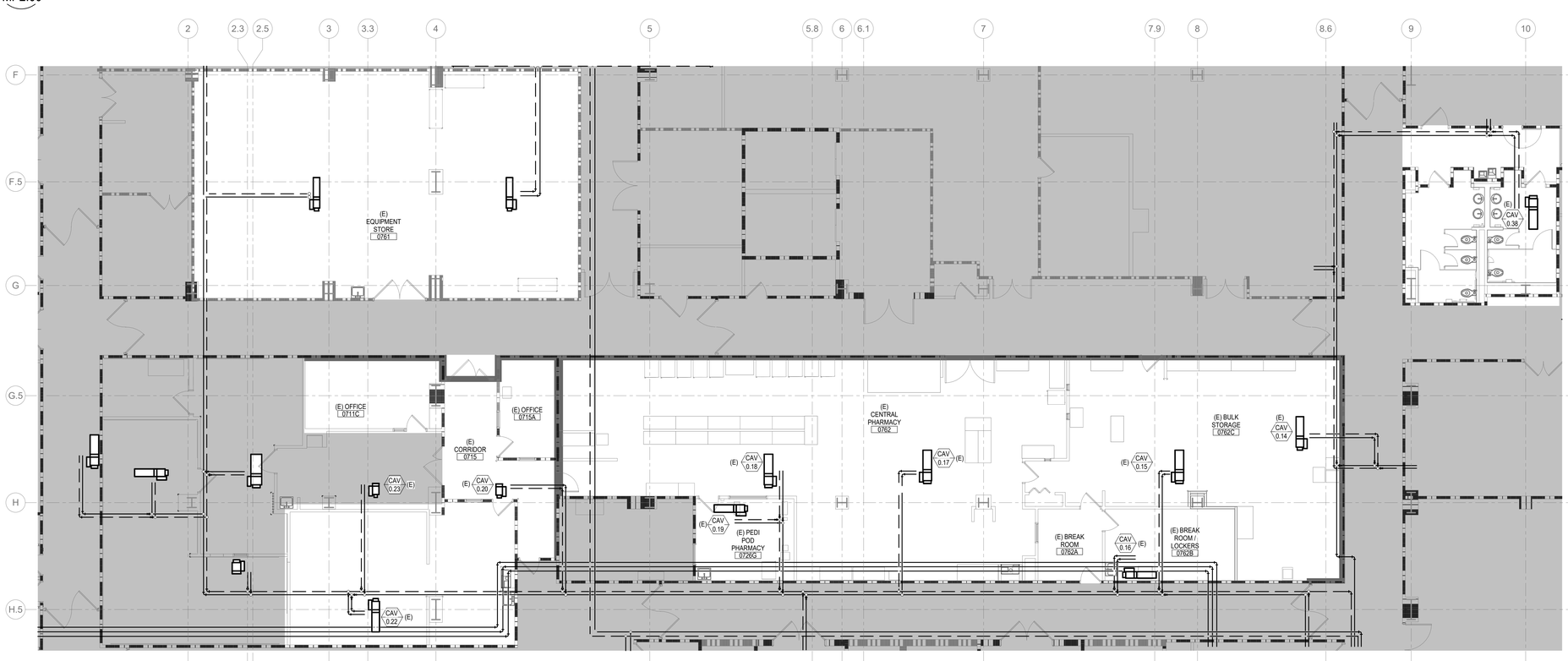


27 MP2.00 MECHANICAL PIPING - ENLARGED OVERALL REMODEL FLOOR PLAN

SCALE: 1/8" = 1'-0"



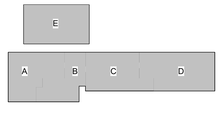
30 MP2.00 MECHANICAL PIPING - ENLARGED OVERALL DEMO FLOOR PLAN

SCALE: 1/8" = 1'-0"

SHEET NOTES:

1. FIELD VERIFY (E) CONDITIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. MECHANICAL CONTRACTOR SHALL COORDINATE WITH OWNER TO SCHEDULE WORK WHICH MAY DISRUPT BUILDING MECHANICAL SERVICES PRIOR TO COMMENCEMENT OF ANY MECHANICAL DEMOLITION WORK INDICATED ON THIS DRAWING.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL (E) BUILDING SERVICES, (E) BUILDING STRUCTURE & (E) ARCHITECTURAL ELEMENTS ETC. DURING THE ENTIRE PERIOD OF MECHANICAL DEMOLITION WORK. MAINTAIN MECHANICAL AND PLUMBING SERVICES TO ALL AREAS OUTSIDE OF PROJECT BOUNDARY DURING THE PERIOD OF CONSTRUCTION.
4. LOCATIONS OF EXISTING HVAC EQUIPMENT, DUCTS, PIPING, ETC. ARE APPROXIMATE AND ARE INDICATED FOR REFERENCE ONLY. EXACT LOCATIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD AND COORDINATED WITH OTHER NEW & EXISTING EQUIPMENT / SERVICES / EXISTING BUILDING STRUCTURE AND NEW WORK PLATFORM STEEL STRUCTURES.
5. CONTRACTOR SHALL FIELD VERIFY CONDITION AND OPERATION OF ALL (E) & OFCI EQUIPMENT, CONTROLS, VALVES & DEVICES, AND SHALL REPLACE ANY FAULTY EQUIPMENT, CONTROLS, VALVES & DEVICES WITH NEW.

KEY MAP



REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER STEPHEN A. LAWYER MECHANICAL M 24700 EXPIRES 3/31/25 STATE OF CALIFORNIA

DATE SIGNED: 06/12/2024

DESIGN PROFESSIONALS OF RECORD:

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(916)734-7024

HY ARCHITECTS PROJECT #: 5938

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530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

capital engineering
RANCHO CORDOVA, CALIFORNIA

JS - MN/KK — PM - DESIGN TEAM
230210.00 — PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCA No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL PIPING - OVERALL FLOOR PLANS - BASEMENT

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/8" = 1'-0"	MP2.00
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

C:\Users\reid.lionakis\OneDrive - Capital\Documents\230210_UCDH_Central Pharmacy Remodel_MP23_Central_Reid.Lionakis.rvt
6/12/2024 4:43:22 PM

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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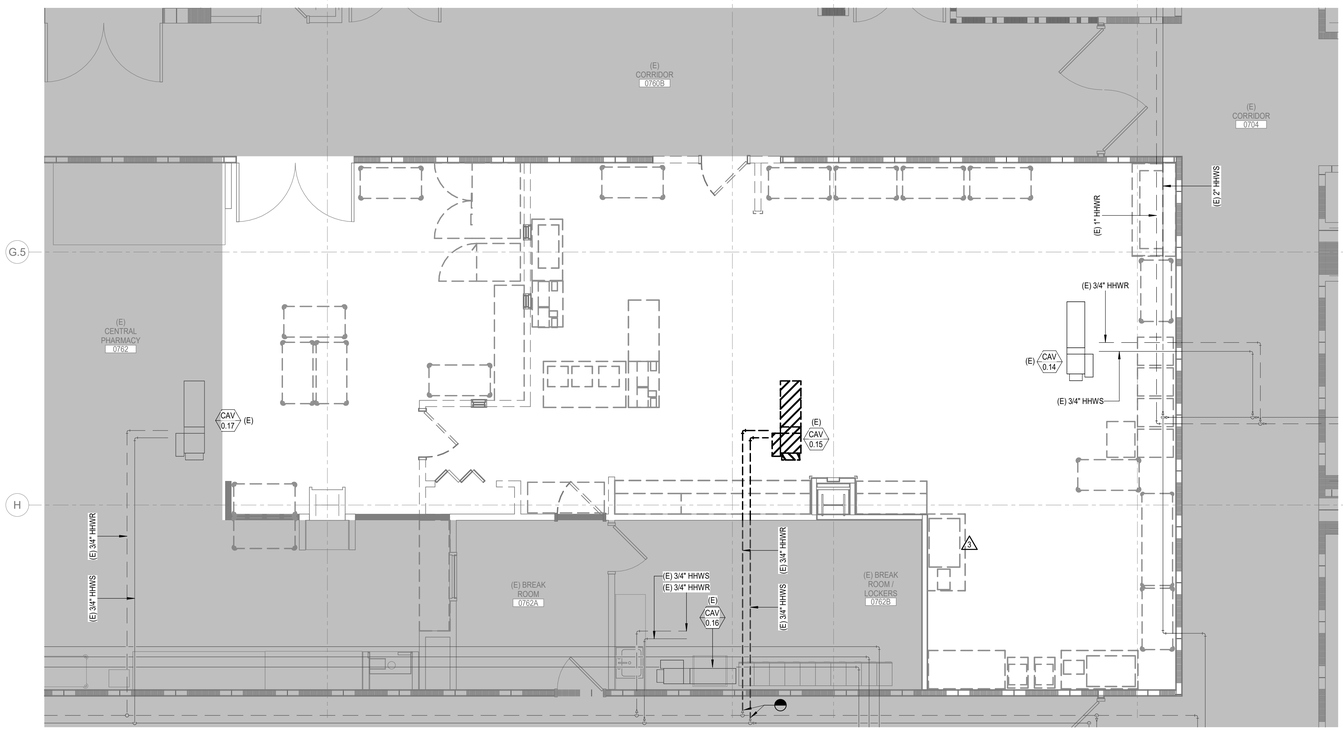
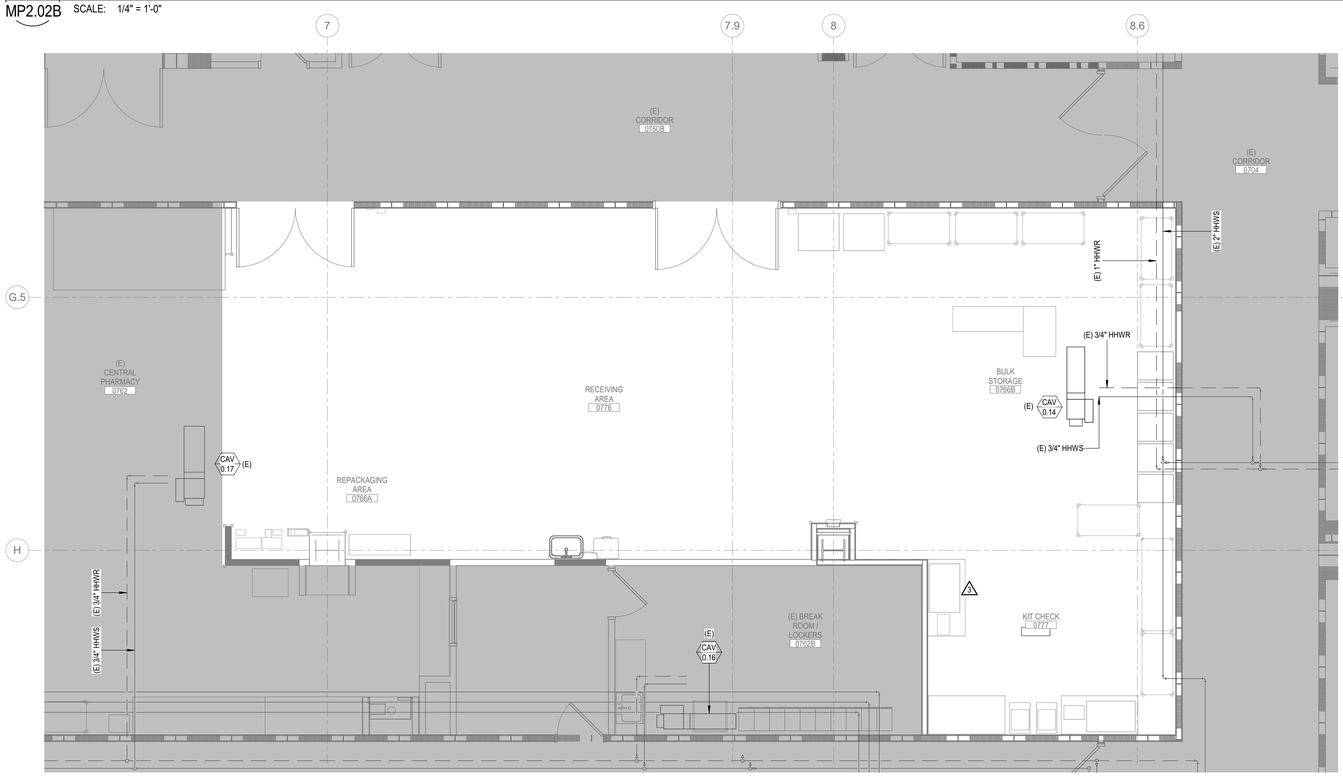


1 MP2.02B

MECHANICAL PIPING - ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 1 - STAFF LOUNGE

SCALE: 1/4" = 1'-0"



20 MP2.02B

MECHANICAL PIPING - ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 1 - STAFF LOUNGE

SCALE: 1/4" = 1'-0"

SHEET NOTES:

1. FIELD VERIFY (E) CONDITIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. MECHANICAL CONTRACTOR SHALL COORDINATE WITH OWNER TO SCHEDULE WORK WHICH MAY DISRUPT BUILDING MECHANICAL SERVICES PRIOR TO COMMENCEMENT OF ANY MECHANICAL DEMOLITION WORK INDICATED ON THIS DRAWING.
3. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL (E) BUILDING SERVICES, (E) BUILDING STRUCTURE & (E) ARCHITECTURAL ELEMENTS ETC. DURING THE ENTIRE PERIOD OF MECHANICAL DEMOLITION WORK. MAINTAIN MECHANICAL AND PLUMBING SERVICES TO ALL AREAS OUTSIDE OF PROJECT BOUNDARY DURING THE PERIOD OF CONSTRUCTION.
4. LOCATIONS OF EXISTING HVAC EQUIPMENT, DUCTS, PIPING, ETC. ARE APPROXIMATE AND ARE INDICATED FOR REFERENCE ONLY. EXACT LOCATIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD AND COORDINATED WITH OTHER NEW & EXISTING EQUIPMENT / SERVICES / EXISTING BUILDING STRUCTURE AND NEW WORK PLATFORM STEEL STRUCTURES.
5. CONTRACTOR SHALL FIELD VERIFY CONDITION AND OPERATION OF ALL (E) & OFCI EQUIPMENT, CONTROLS, VALVES & DEVICES, AND SHALL REPLACE ANY FAULTY EQUIPMENT, CONTROLS, VALVES & DEVICES WITH NEW.
6. (E) WORK SHOWN LIGHT, (N) WORK SHOWN BOLD.
7. SHADED REGION INDICATES AREAS OUTSIDE OF PROJECT BOUNDARIES.
8. U.O.N. REUSE (E) T-STATS IN THEIR (E) LOCATIONS.
9. 3/4" PIPING TO ALL TERMINAL UNIT RUNOUTS U.O.N.

KEYNOTES: ACD-001

1. KEYNOTE 1 NOT IN USE.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S24103-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER — KEVIN A. MAY — M 24700 EXPIRES 3/31/27 — MECHANICAL — STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

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(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
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CONSULTANTS:

capital engineering
Rancho Cordova, California
JS - MN/KK PM - DESIGN TEAM
230210.00 PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date
3	Backcheck 2	12/13/2024
ACD-001	Scope Reduction	03/18/25

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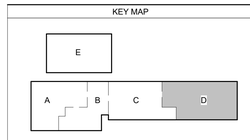
KEY MAP



Account No.: 9559910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL PIPING - ENLARGED DEMO & REMODEL PLANS - BASEMENT - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	MP2.02B
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

ACD-001

7/22/2025 11:47:05 AM L:\2023\230210.00\1200 Drawings\1206.02 Revit Local Files\230210_UCDH_Central Pharmacy Remodel_MP25_MN.rvt

0 5' 50' GRAPHIC SCALES: 1/16" = 1'-0"

0 5' 25' 1/8" = 1'-0"

0 1' 12' 1/4" = 1'-0"

0 1' 6' 1/2" = 1'-0"

0 4' 3/4" = 1'-0"

0 1" 3' 1" = 1'-0"

0 2' 1 1/2" = 1'-0"

0 1' 3" = 1'-0"

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1

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER
KIRSTEN A. MYERS
M 24700
EXPIRES 3/31/27
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

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HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

capital engineering
Rancho Cordova, California

JS - MN/KK — PM - DESIGN TEAM
230210.00 — PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date
	Backcheck 1	09/16/2024
ACD-001	Scope Reduction	03/18/25

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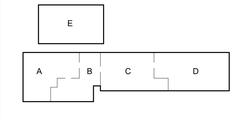
Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL PIPING - ENLARGED DEMO AND REMODEL PLANS - BASEMENT - PHASE 2

KEY MAP



Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. MP2.03A
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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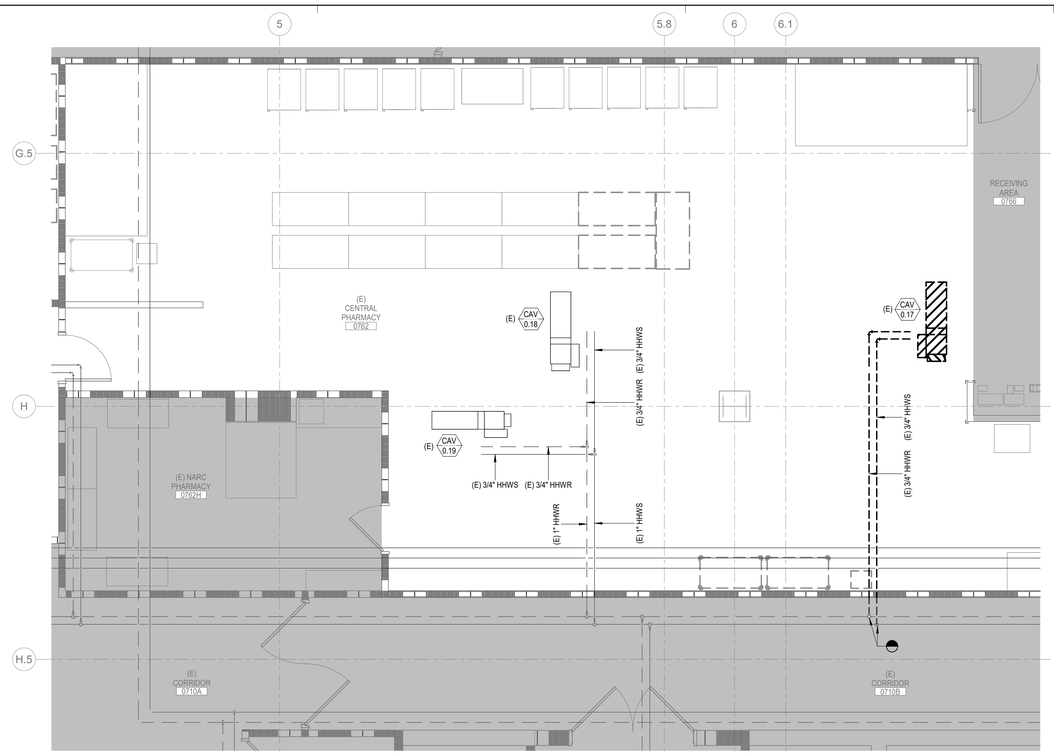
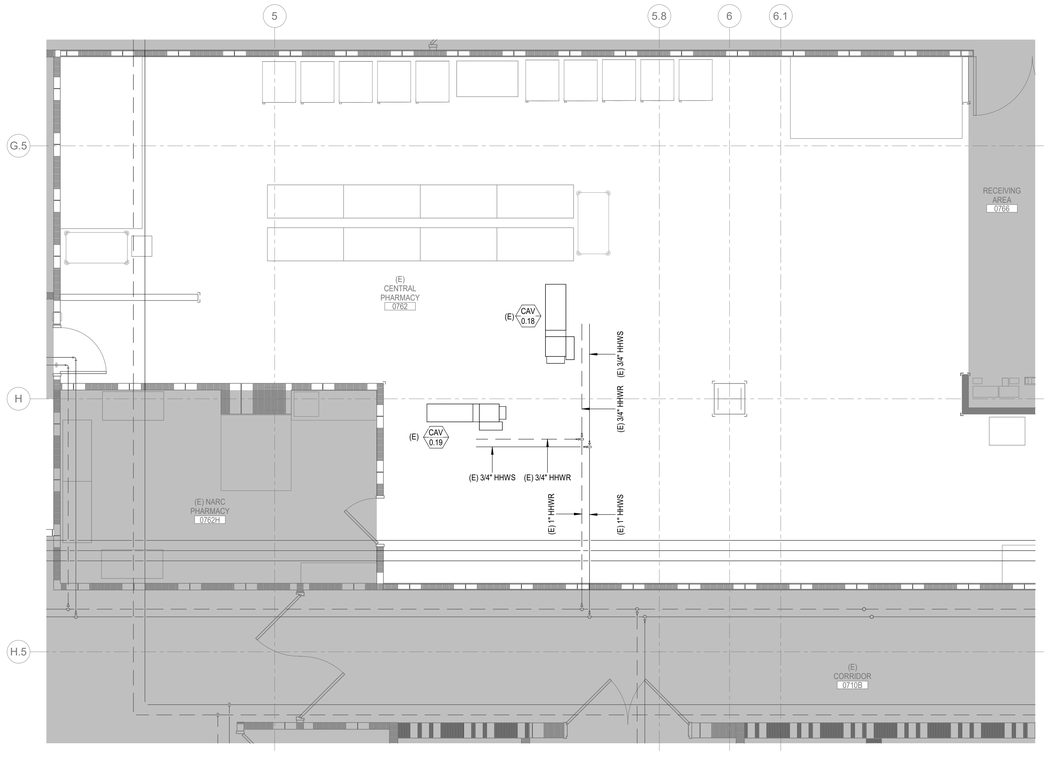


28 / MP2.03B

MECHANICAL PIPING - ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 2

SCALE: 1/4" = 1'-0"



30 / MP2.03B

MECHANICAL PIPING - ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 2

SCALE: 1/4" = 1'-0"

SHEET NOTES:

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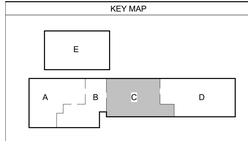
KEYNOTES: ACD-001

1. KEYNOTE 1 NOT IN USE.
2. KEYNOTE 2 NOT IN USE.
3. KEYNOTE 3 NOT IN USE.

KEY MAP



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APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S24103-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER — KRISTEN A. MEYER — M 24700 — EXPIRES 3/31/27 — MECHANICAL — STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

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HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

capital engineering
Rancho Cordova, California
JS - MN/KK — PM - DESIGN TEAM
230210.00 — PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date
ACD-001	Scope Reduction	03/18/25

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Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL PIPING - ENLARGED DEMO AND REMODEL PLANS - BASEMENT - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. MP2.03B
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER
KENNETH A. MOSS
M 24700
EXPIRES 3/31/27
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
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(916)734-7024

HY ARCHITECTS PROJECT #: 5938

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530.758.1270 tel ; 530.758.4789 fax

CONSULTANTS:

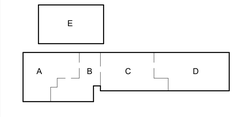
capital engineering
Rancho Cordova, California
JS - MN/KK (PM - DESIGN TEAM) 230210.00 (PROJECT NO.)

THIS ISSUE:	ISSUED FOR	Date
ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: MECHANICAL PIPING - ENLARGED DEMO & REMODEL PLANS - BASEMENT - PHASE 3

KEY MAP



Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. MP2.04A
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	
Designed By: RL	Issue Date: 06/12/2024	
Drawn By: RL	Revit Version: 2023	

7/22/2025 11:47:06 L:\2023\230210.001\200 Drawings\1266.02 Revit Local Files\230210_UCDH_Central Pharmacy Remodel_MP25_kjm.rvt

GRAPHIC SCALES: 1/16" = 1'-0" (0, 5', 50') · 1/8" = 1'-0" (0, 5', 25') · 1/4" = 1'-0" (0, 1', 12') · 1/2" = 1'-0" (0, 1', 6') · 3/4" = 1'-0" (0, 4') · 1" = 1'-0" (0, 1', 3') · 1 1/2" = 1'-0" (0, 2') · 3" = 1'-0" (0, 1')

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PIPE LINE TYPE LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
(E)CD	(E) CD	CONDENSATE DRAIN - EXISTING
(E) CW	(E) CW	DOMESTIC COLD WATER - EXISTING
(E) HW	(E) HW	DOMESTIC HOT WATER - EXISTING
(E) HWR	(E) HWR	DOMESTIC HOT WATER RETURN - EXISTING
(E)TW	(E) TW	TEMPERED WATER - EXISTING
(E)SS	(E) SS	SANITARY SEWER - ABOVE GROUND - EXISTING
(E) SS	(E) SS	SANITARY SEWER - UNDERGROUND - EXISTING
(E)V	(E) V	SANITARY SEWER VENT - EXISTING
(E)TPW	(E) TPW	TRAP PRIMER WATER - EXISTING
CD	CD	CONDENSATE DRAIN
CW	CW	DOMESTIC COLD WATER
HW	HW	DOMESTIC HOT WATER
HWR	HWR	DOMESTIC HOT WATER RETURN
TW	TW	TEMPERED WATER
SS	SS	SANITARY SEWER - ABOVE GROUND
SS	SS	SANITARY SEWER - UNDERGROUND
V	V	SANITARY SEWER VENT
TPW	TPW	TRAP PRIMER WATER

SYMBOLS LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	---	BALANCING VALVE
	---	BALL VALVE
	---	BOTTOM CONNECTION
	CBV	CALIBRATED BALANCE VALVE
	---	CHECK VALVE
	---	CIRCUIT SETTER VALVE
	CO	CLEANOUT
	FD	FLOOR DRAIN
	---	FLOW ARROW
	---	GATE VALVE
	---	GLOBE VALVE
	HB	HOSE BIBB
	---	LIMIT OF DEMOLITION
	---	PIPE BREAK
	---	PIPE CAP
	---	PIPE DOWN
	---	PIPE GUIDE
	---	PIPE UP
	---	POINT OF CONNECTION
	---	REDUCER
	TP	TRAP PRIMER
	---	VALVE IN RISER/DROP
	---	WALL CLEANOUT
	WHA	WATER HAMMER ARRESTOR

PLUMBING ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ABC	ABOVE CEILING	MECH	MECHANICAL
ACC P	ACCESS PANEL	(N)	NEW
AFF	ABOVE FINISHED FLOOR	NC	NORMALLY CLOSED
ASH	AUTOMATIC SPRINKLER HEAD	NO	NORMALLY OPEN
BFF	BELOW FINISHED FLOOR	NTS	NOT TO SCALE
BLDG	BUILDING	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CLG	CEILING	PH	PHASE
CONN	CONNECT/CONNECTION	PLBG	PLUMBING
CONT	CONTINUATION	REC	RECESSED
CWH	COLD WATER HEADER	REV	REVISION
DF	DRINKING FOUNTAIN	RM	ROOM
DIA	DIAMETER	SPEC	SPECIFICATION
DN	DOWN	SS	STAINLESS STEEL/SANITARY SEWER
DW	DISHWASHER	STD	STANDARD
DWG	DRAWING	STRUC	STRUCTURAL
(E)	EXISTING	TEMP	TEMPERATURE
EL	ELEVATION	TYP	TYPICAL
ELEC	ELECTRICAL	UG	UNDERGROUND
EW	EYE WASH	UL	UNDERWRITERS' LABORATORIES
FA	FROM ABOVE	US	UNDER SLAB
FB	FROM BELOW	V	VENT
FD	FLOOR DRAIN	W/	WITH
FF	FINISHED FLOOR	W/O	WITHOUT
FLR	FLOOR	W	WASTE
/FT	PER FOOT	WC	WATER CLOSET
FU	FIXTURE UNIT		
FV	FLUSH VALVE		
GAL	GALLONS		
HC	HANDICAPPED		
HR	HOUR		
HS	HAND SINK		
LV	LAVATORY		

PLUMBING GENERAL NOTES

1. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO DEMOLITION OR INSTALLING PIPING AND ASSOCIATED ITEMS.
2. ALL NEW PIPING SHOWN ON PLUMBING PLAN IS INDICATED AS BOLD LINE TYPE.
3. OFFSET ALL RISERS AND DROPS TO AVOID PENETRATIONS THROUGH STRUCTURAL TOP PLATES.
4. OFFSET VENT THROUGH ROOFS 25'-0" FROM AIR INTAKES AND 4'-0" FROM OUTSIDE WALLS.
5. THE CONNECTION OF CONDENSATE DRAIN LINES TO HVAC EQUIPMENT SHALL INCLUDE A MINIMUM 4" DEEP "P"-TRAP AND PLUGGED TEE AT ALL OFFSETS.
6. PROVIDE WATER HAMMER ARRESTORS (WHA) AS INDICATED ON PLUMBING PLANS AND/OR AS DESCRIBED WITHIN DIVISION 22 SPECIFICATIONS. SIZING SHALL BE IN ACCORDANCE WITH PDI STANDARD WH-201.
7. CONTRACTOR SHALL FIELD VERIFY EXACT SIZES, LOCATIONS AND ELEVATIONS OF ALL PIPING CONNECTIONS, EXISTING CONDITIONS, OTHER WORK, ETC., PRIOR TO TRENCHING OR INSTALLING ANY NEW WORK.
8. PROVIDE ISOLATION SHUT-OFF VALVES ON DOMESTIC WATER PIPE BRANCHES TO EQUIPMENT AND PLUMBING FIXTURES. PROVIDE ACCESS PANELS WHEN VALVES ARE LOCATED IN FURRED SPACES OR ABOVE NON-REMOVABLE CEILINGS. ALL VALVES SHALL BE FULL PORT LINE SIZE.
9. PENETRATION OF PIPES, CONDUIT, ETC., IN WALLS AND/OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. MATERIAL SHALL BE A TESTED UL LISTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
10. DRAWINGS ARE NOT INTENDED TO SHOW EVERY OFFSET OR FITTING OR EVERY STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF THE WORK. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE JOB SITE AND SHALL HAVE THE APPROVAL OF THE ARCHITECT BEFORE BEING INSTALLED. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING LOCATIONS OF ITEMS OF WORK. ADJUSTMENTS SHALL BE MADE AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER. APPROVED SHOP DRAWINGS ARE REQUIRED PRIOR TO INSTALLATION OF ALL NEW WORK.
11. SEISMIC RESTRAINT AND ANCHORAGE OF ALL MECHANICAL ELEMENTS INCLUDING EQUIPMENT, PIPING AND ASSOCIATED APPURTENANCES SHALL BE DESIGNED, FABRICATED, STAMPED BY A LICENSED STRUCTURAL ENGINEER AND INSTALLED BY CONTRACTOR.
12. PROVIDE WATER HAMMER ARRESTORS AS DESCRIBED IN SPECIFICATIONS. MOUNT BEHIND ACCESS PANEL AT ALL FLUSH VALVE AND QUICK CLOSING VALVES. LOCATIONS OF ACCESS PANELS SHALL BE COORDINATED WITH ARCHITECTURAL PLANS AND ARCHITECT PRIOR TO INSTALLATION.
13. ALL FLOOR DRAINS LOCATED IN CERAMIC TILE SHALL HAVE A SQUARE TOP. COORDINATE EXACT LOCATION WITH ARCHITECT.
14. PROVIDE WALL CLEANOUTS AT ALL LAVATORIES, SINKS AND URINALS.
15. AT ADA WATER CLOSETS WITH SENSOR OPERATED FLUSH VALVES, FIELD CUT FLUSH VALVE VACUUM BREAKERS IF NECESSARY TO A LENGTH WHERE GRAB BAR DOES NOT INTERFERE WITH FLUSH VALVE MOUNTING.
16. FOR PIPES PASSING THROUGH SLAB ON GRADE. REFER TO STRUCTURAL DRAWINGS FOR CRITERIA ON CORING OPENINGS.
17. ALL FIXTURES, EQUIPMENT AND MATERIALS SHALL COMPLY WITH THE LOW LEAD REQUIREMENTS OF AB 1953, NSF/ANSI 372.
18. ALL FIXTURES, EQUIPMENT AND MATERIALS SHALL BE UL LISTED OR APPROVED BY LOCAL JURISDICTION.
19. PATCH EXISTING OPENING IN FLOOR SLAB AND PROVIDE FINISH TO MATCH EXISTING CONCRETE PER STRUCTURAL DETAIL.
20. PATCH EXISTING WALL OPENING AND PROVIDE FINISH TO MATCH EXISTING WALL OR PER ARCHITECTURAL DETAIL.
21. CONNECTION OF CONDENSATE DRAIN LINE TO HVAC EQUIPMENT SHALL INCLUDE A MINIMUM 4" DEEP P-TRAP AND SHALL BE CONFIGURED OR PROVIDED WITH A CLEANOUT TO PERMIT THE CLEARING OF BLOCKAGES AND FOR MAINTENANCE W/O REQUIRING THE DRAIN LINE TO BE CUT PER CPC 814.3.1.
22. HORIZONTAL DRAINAGE PIPING SHALL BE RUN IN A UNIFORM SLOPE OF NOT LESS THAN 2 PERCENT FOR PIPE SMALLER THAN 4 INCHES IN DIAMETER, SUCH PIPE OR PIPING 4 INCHES OR LARGER IN DIAMETER SHALL BE PERMITTED TO HAVE A SLOPE OF NOT LESS THAN 1 PERCENT.
23. INTERRUPTION OR SHUT DOWN OF EXISTING MEDICAL GAS SYSTEM: DO NOT INTERRUPT MEDICAL GAS SERVICE TO FACILITIES UNLESS PERMITTED UNDER THE FOLLOWING CONDITIONS AND THEN ONLY AFTER ARRANGING SHUT DOWN ACCORDING TO REQUIREMENTS INDICATED:

    a. NOTIFY OWNER NO FEWER THAN SEVEN (7) DAYS IN ADVANCE OF PROPOSED INTERRUPTION OF MEDICAL GAS SERVICE.
    b. DO NOT PROCEED WITH INTERRUPTION OF MEDICAL GAS SYSTEM WITHOUT OWNER'S WRITTEN PERMISSION.
    C. WRITTEN PERMISSION SHALL INCLUDE TIME AND DATE OF INITIAL SHUTDOWN AND DURATION OF SHUTDOWN. IF MULTIPLE SHUTDOWNS ARE REQUIRED, TIME, DATES AND DURATION OF SHUTDOWNS SHALL BE INCLUDED IN WRITTEN PERMISSION.

⚠1 24. PER CAN 5-310.9: DRAINAGE PIPING OVER OPERATING AND DELIVERY ROOMS, NURSERIES, FOOD PREPARATION CENTERS, FOOD-SERVING FACILITIES, FOOD STORAGE AREAS, AND OTHER SENSITIVE AREAS SHALL BE KEPT TO A MINIMUM AND NOT EXPOSED. SPECIAL PRECAUTIONS SHALL BE TAKEN TO PROTECT THESE AREAS FROM LEAKAGE. ACCEPTABLE SPECIAL PRECAUTIONS INCLUDE:

    a. USE OF COUPLINGS THAT HAVE BEEN TESTED AND CERTIFIED TO CONFORM TO THE PERFORMANCE REQUIREMENTS OF FM APPROVAL STANDARD CLASS NUMBER 1680, CLASS 1, BY FM GLOBAL, OR BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING AGENCY. THE COUPLING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
    b. "HEAVY DUTY" (I.E. FOUR-BAND TYPE) COUPLINGS THAT HAVE BEEN LISTED BY INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS (IAPMO) FOR CONFORMANCE TO ASTM C 1540-11, BUT HAVE NOT BEEN TESTED TO FM APPROVAL STANDARD CLASS NUMBER 1680, CLASS 1, MAY BE INSTALLED WHEN RESTRAINED TO PREVENT JOINT SEPARATION.
    c. CONTINUOUS SHEET METAL DRAIN TROUGHS UNDER OVERHEAD HUBLESS PIPING. SUCH TROUGHS SHALL BE SLOPED TO DRAIN WITH A PROPERLY IDENTIFIED AIR GAP TERMINATION OVER AN APPROVED RECEPTOR.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE HCAI APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PLUMBING ANCHORAGE NOTES

1. SHOP DRAWINGS OF THE SUPPORT AND BRACING SYSTEMS TO BE INSTALLED PER THIS PRE-APPROVAL SHALL BE SUBMITTED TO THE DISCIPLINE IN RESPONSIBLE CHARGE OF THE PROJECT FOR REVIEW TO VERIFY THAT THE DETAILS ARE IN CONFORMANCE WITH ALL CODE REQUIREMENTS. THE SHOP DRAWINGS SHALL BE PREPARED PER RELEVANT SECTION OF CBC 2022. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THAT THE BUILDING'S STRUCTURE IS ADEQUATE FOR THE LOADS IMPOSED ON IT BY THE SUPPORTS AND BRACES INSTALLED PER THIS PRE-APPROVAL IN ADDITION TO ALL OTHER LOADS. THE STRUCTURAL ENGINEER OF RECORD WILL FORWARD THE ANCHORAGE AND BRACING PLANS (INCLUDING APPROVED CHANGE ORDERS FOR SUPPLEMENTARY FRAMING WHERE REQUIRED) TO THE DISCIPLINE IN RESPONSIBLE CHARGE WITH A NOTATION INDICATING THAT THE PLANS HAVE BEEN REVIEWED AND ARE IN GENERAL CONFORMANCE WITH THE PRE-APPROVAL AND THE DESIGN OF THE PROJECT. A "SHOP DRAWING STAMP" MAY BE USED TO INDICATE COMPLIANCE WITH THIS REQUIREMENT. THE ARCHITECT, MECHANICAL OR ELECTRICAL ENGINEER OF RECORD MAY PROVIDE THE SHOP DRAWING STAMP FOR SMALL INSTALLATIONS AT THE DISCRETION OF THE DISTRICT STRUCTURAL ENGINEER.
2. THE STRUCTURAL ENGINEER OF RECORD SHALL DESIGN ANY SUPPLEMENTARY FRAMING THAT IS NEEDED TO RESIST THE LOADS, MAINTAIN STABILITY AND/OR IS REQUIRED FOR THE INSTALLATION OF THE PRE-APPROVED SYSTEM. THE SUPPLEMENTARY FRAMING SHALL BE SUBMITTED TO OSHPD FOR APPROVAL BY MEANS OF A CHANGE ORDER.
3. THE LAYOUT DRAWINGS (WITH THE SHOP DRAWING STAMP) SHALL BE SUBMITTED TO OSHPD FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
4. THE REVIEWED LAYOUT DRAWINGS (WITH THE SHOP DRAWING STAMP) SHALL BE KEPT ON THE JOB SITE AND CAN THEN BE USED FOR INSTALLATION OF THE SUPPORT AND BRACING. OSHPD FIELD STAFF WILL REVIEW THE INSTALLED SYSTEM.
5. A COPY OF THE CHOSEN BRACING SYSTEM(S) INSTALLATION GUIDE/MANUAL SHALL BE ON THE JOB SITE PRIOR TO STARTING THE INSTALLATION OF HANGERS AND/OR BRACES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF OSHPD PRE-APPROVALS AND FURNISH THE IOR WITH ONE(1) COPY OF EACH.
6. DO NOT MIX COMPONENTS OF TWO OR MORE PRE-APPROVED BRACING SYSTEMS. ONLY ONE PRE-APPROVED BRACING SYSTEM MAY BE USED FOR A RUN OF PIPE OR DUCT. ANY SUBSTITUTION OF A COMPONENT OF A PRE-APPROVED BRACING SYSTEM REQUIRES OSHPD REVIEW AND APPROVAL.
7. LAYOUT DRAWINGS AND ENGINEERING CALCULATIONS FOR ANCHORAGE, SUPPORT, AND SEISMIC BRACING OF MECHANICAL EQUIPMENT, PIPING AND ETC NOT SHOWN ON DRAWING SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE SUBMITTED TO OSHPD FOR REVIEW PRIOR TO FABRICATION.
8. ALL SUBMITTALS SHALL BE SIGNED BY A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA. THE SEISMIC DESIGN FORCE ACTING AT THE CENTER OF GRAVITY AND ACTING IN ANY DIRECTION SHALL BE PER 2022 C.B.C. CHAPTER 16A. ADDITIONAL BUILDING/SUPPORT FRAMING SHALL BE ADDED WHERE REQUIRED.
9. FOR ADDITIONAL ANCHORAGE/SUPPORTS TO EQUIPMENT, REFER TO STRUCTURAL DRAWINGS.

SEISMIC RESTRAINT NOTES

1. SUPPORTS, ANCHORAGE AND RESTRAINTS FOR ALL PIPING, DUCTWORK AND EQUIPMENT SHALL BE AN OSHPD PRE-APPROVED SYSTEM WITH A CURRENT OPM NUMBER AND SHALL MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. PROVIDE ALL SUPPORTING DOCUMENTATION REQUIRED BY THE THE REVIEWING AUTHORITY AND THE ARCHITECT AND ENGINEER. REFER TO S1.0 FOR SEISMIC DESIGN CRITERIA IN OSPHD SUBMITTAL. PROVIDE LAYOUT DRAWINGS SHOWING PIPING, DUCTWORK AND RESTRAINT LOCATIONS.
2. IN LIEU OF THE ABOVE OR FOR NON-STANDARD INSTALLATIONS NOT COVERED IN THE ABOVE PRE-APPROVED SYSTEMS, CONTRACTOR SHALL PROVIDE LAYOUT DRAWINGS SHOWING PIPING, DUCTWORK AND RESTRAINT LOCATIONS, AND DETAIL SUPPORTS, ATTACHMENTS AND RESTRAINTS, AND FURNISH SUPPORTING CALCULATIONS AND LEGIBLE DETAILS WITH A STAMP BY A CALIFORNIA REGISTERED STRUCTURAL ENGINEER, IN ACCORDANCE WITH 2022 CALIFORNIA BUILDING CODE FOR OCCUPANCIES REQUIRING OSHPD REVIEW AND APPROVAL CONTRACTOR SHALL REFER TO S1.0 FOR SEISMIC DESIGN CRITERIA UNLESS NOTED OR APPROVED OTHERWISE.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF OSHPD PRE-APPROVALS FROM THE OWNERS OF THE PRE-APPROVALS AND FURNISH THE IOR WITH ONE COPY OF EACH.
4. SHOP DRAWINGS OF THE SUPPORT AND BRACING SYSTEMS TO BE INSTALLED PER THIS PRE-APPROVAL SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD FOR REVIEW TO VERIFY THAT THE DETAILS ARE IN CONFORMANCE WITH ALL CODE REQUIREMENTS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THAT THE BUILDING'S STRUCTURE IS ADEQUATE FOR THE LOADS IMPOSED ON IT BY THE SUPPORTS AND BRACES INSTALLED PER THIS PRE-APPROVAL IN ADDITION TO ALL THE OTHER LOADS. THE STURCTURAL ENGINEER OF RECORD SHALL DESIGN ANY SUPPLEMENTARY FRAMING THAT IS NEEDED TO RESIST THE LOADS AND/OR MAINTAIN STABILITY.
5. COMPONENT IMPORTANCE FACTOR OF 1.5 IS TO BE USED FOR ALL MECHANICAL AND PLUMBING UTILITIES.
6. POST INSTALLED ANCHORS SHALL COMPLY WITH ACI 318-19.
7. COMPLY WITH SPECIAL INSPECTOR REQUIRMENTS AS NOTED IN THE 2022 CBC.
8. EXPANSION TYPE CONCRETE ANCHORS SHALL NOT BE USED FOR ATTACHMENT OF NON-SPRING ISOLATED EQUIPMENT WITH MOTORS RATED OVER 10 HP.
9. ALL MECHANICAL AND PLUMBING UTILITIES (WHETHER VERTICAL OR HORIZONTAL) SHALL BE SEISMICALLY RESTRAINED REGARDLESS OF DISTANCE FROM STRUCTURE.
10. FOR ALL DUCT RISER/DROPPERS, ARCHITECTURAL BUILDING COMPONENTS SUCH AS WALLS, SOFFITS ETC. SHALL NOT BE USED AS SEISMIC RESTRAINT LOCATIONS.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER · STEPHEN A. MYERS · M 24700 · EXPIRES 3/31/25 · MECHANICAL · STATE OF CALIFORNIA

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Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: PLUMBING SYMBOLS, LEGENDS, AND NOTES

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Designed By: MN	Issue Date: 06/12/2024	
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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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PLUMBING FIXTURE SPECIFICATION & CONNECTION SCHEDULE

ADA	SYMBOL	FIXTURE	FIXTURE MANUFACTURER AND MODEL No.	FAUCET OR VALVE MANUFACTURER AND MODEL No.	TRIM MANUFACTURER AND MODEL No.	REMARKS	VENT	WASTE		COLD WATER		HOT WATER	
								BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
	WC-1	WATER CLOSET WALL MOUNTED FLUSH VALVE STD/ACCESSIBLE	"ZURN" Z-5615, 1.28 GPF WALL HUNG, VITREOUS CHINA, ELONGATED, SIPHON JET ACTION, 1-1/2" TOP SPUD. ⚠1	"ZURN" ZER6000AV-TM-HW; 1.28 GPF SENSOR OPERATED HANDS FREE FLUSHOMETER, TOP SPUD, HARDWIRED, SINGLE FLUSH. SEE DIV. 26 FOR ELECTRICAL. SENSOR FLUSH VAVLE SHALL BE ON EMERGENCY POWER AND CAPABLE OF OPERATING DURING BUILDING LOSS OF POWER.	SEAT: "ZURN" Z5956SS-EL-STS OR EQUAL. PROVIDE SELF SUSTAINING CHECK HINGES, STAINLESS STEEL POSTS, STAINLESS STEEL NUTS AND WASHERS, WHITE COLOR.	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/4"	1"	--	--
	L-1	LAVATORY COUNTER MOUNTED	"AMERICAN STANDARD" AQUALYN NO. 0476.028 COUNTERTOP, VITREOUS CHINA, LESS OVERFLOW, 4" CENTERS, 20" x 17" WITH FITTING LEDGE, SELF-RIMMING STYLE.	"CHICAGO" 116.103.AB.1T ECAST DESIGN GOOSENECK FAUCET, 0.5 GPM VANDAL RESISTANT LAMINAR FLOW RIGID/SWING TOUCHLESS SENSOR FAUCET. PROVIDE VANDAL RESISTANT PIN IN FAUCET, ARRANGED TO MATE WITH SLOT IN SINK. PROVIDE HARD WIRED POWER CONNECTION BY DIV. 26. SENSOR FLUSH VAVLE SHALL BE ON EMERGENCY POWER AND CAPABLE OF OPERATING DURING BUILDING LOSS OF POWER.	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.018, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL.	COUNTER MOUNTED. PROVIDE MANUFACTURER'S MECHANICAL MIXING VALVE. PROVIDE 12 V AC TRANSFORMER.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	S-1	SCRUB SINK WALL MOUNTED	"JUST" MODEL JPHADA2230-CT-J WALL HUNG ADA SCRUB SINK. 14 GAUGE 304 STAINLESS STEEL, 30"x22"x27", LESS DRAIN BOARD, CENTER DRAIN LOCATION. COMPLETE WITH JG-1800 EYEWASH AND JMXE-300 EYEWASH MIXING VALVE.	INTEGRAL TOUCHLESS SENSOR FAUCET WITH AC PLUG-IN/ 4 AA BATTERY BACKUP.	INTEGRAL DRAIN AND P-TRAP. PROVIDE MANUFACTURER'S RECOMMENDED LK723 LEAD FREE THERMOSTATIC MIXING VALVE, COMPLIANT WITH ASSE 1070. ⚠1	INSTALL AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. MOUNT PER MANUFACTURER INSTRUCTIONS. PROVIDE ADEQUATE BLOCKING AT MOUNTING LOCATION. SEE DIV. 26 FOR ELECTRICAL.	2"	2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	S-2	SINK UNDER MOUNTED	"JUST" MODEL USX1620A-J UNDERMOUNT 18 GAUGE 304 STAINLESS STEEL SINK. REAR CENTER DRAIN, 20-1/2"x16-1/2"x9-7/8".	"CHICAGO" 786-GN8AFCABCP DECK MOUNTED MANUAL FAUCET, GOOSENECK FAUCET, 1.5 GPM VANDAL RESISTANT LAMINAR FLOW 8" CENTERS, 8" RIGID/SWING SPOUT. WRISTBLADE HANDLES	"JUST" J-ADA-35-SSF-VR DRAIN SYSTEM. INSTALL P-TRAP FLUSH TO WALL. "JUST" JTS-150 P-TRAP, SWIVEL STYLE WITH CLEAN OUT	UNDER COUNTER MOUNTED.	2"	2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	S-3	SINK WALL MOUNTED	"JUST" MODEL A33338S-J WALL HUNG, 18 GAUGE 304 STAINLESS STEEL CONCEALED ARM RECESS, 4" CENTERS, 20" x 18" D SHAPED BOWL. ⚠1	"CHICAGO" 116.103.AB.1T ECAST DESIGN GOOSENECK FAUCET, 0.5 GPM VANDAL RESISTANT LAMINAR FLOW RIGID/SWING TOUCHLESS SENSOR FAUCET. PROVIDE VANDAL RESISTANT PIN IN FAUCET, ARRANGED TO MATE WITH SLOT IN SINK. PROVIDE HARD WIRED POWER CONNECTION BY DIV. 26. SENSOR FLUSH VAVLE SHALL BE ON EMERGENCY POWER AND CAPABLE OF OPERATING DURING BUILDING LOSS OF POWER.	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.018, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL. CARRIER: "ZURN" Z1231EZ OR "J R SMITH" 0700	MOUNT AT HEIGHT INDICATED ON ARCH. DRAWINGS. PROVIDE CONCEALED ARMS AND FLOOR SUPPORT. PROVIDE MANUFACTURER'S MECHANICAL MIXING VALVE. PROVIDE 12 V AC TRANSFORMER.	2"	2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
A2.1													
	EW-1	EYE WASH ACCESSIBLE	INTEGRAL TO S-1. "JUST" JG-1800 SWING DOWN, ONE STEP ACTIVATION. MEETS ANSI Z358.1 CERTIFICATION. POLISHED CHROME FINISH.	INTEGRAL ⚠1	PROVIDE MANUFACURER'S RECOMMENDED "JUST" JMXE-300 MIXING VALVE. MEETS ANSI Z358.1 CERTIFICATION. UNIT SHALL BE INDEPENDENT OF S-1 SENSOR FAUCET.		-	-	-	3/4"	1/2"	-	-
A2.1													
	FD	FLOOR DRAIN	GENERAL SERVICE FD - ZURN MODEL Z-415, OR EQUAL, WITH TYPE "B" STRAINER FOR EXPOSED CONCRETE AND TYPE "S" STRAINER FOR TILE FLOOR. PROVIDE BRONZE TRIM.				2"	2"	2"	-	-	-	-
A2.1													
⚠1	WB-1	WALL BOX WATER / WASTE	"ACORN" MODEL 8181-SSLF, SINGLE TEMPERATURE HOSE SUPPLY RECESSED WALL BOX LESS VACUUM BREAKER, LESS DOOR. WITH 2" WASTE OUTLET.	INTEGRAL DOMESTIC HOT WATER HOSE SUPPLY CONNECTION WITH VALVE.	P-TRAP PROVIDED BY DIV. 22.	STAINLESS STEEL WALL BOX	1-1/2"	2"	2"	-	-	1/2"	1/2"

⚠ OFVI RO WATER EQUIPMENT SCHEDULE

SYMBOL	LOCATION	EQUIPMENT MANUFACTURER AND MODEL No.	PRODUCT FLOW	ELECTRICAL	DIMENSIONS L x W x H (IN.)	TOTAL WEIGHT (LBS.)	REMARKS
RO 1 ⚠1	0711A NON-STERILE COMPOUNDING	"FILLMASTER" 3600 PHARMACEUTICAL WATER DISPENSER	3 GPM	⚠1 BATTERY OPERATED	18x16x20	33	

⚠1

REDUCED PRESSURE BACKFLOW PREVENTER SCHEDULE

SYMBOL	LOCATION	EQUIPMENT MANUFACTURER AND MODEL No.	INLET / OUTLET SIZE	AREA/EQUIP SERVED	REMARKS
RPBFP 1	0711A NON-STERILE COMPOUNDING	"ZURN" MODEL 975XL2, REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTION ASSEMBLY. ASSE 1013 COMPLIANT, LEAD FREE, CAST BRONZE.	1/2" / 1/2"	RO 1	1. PROVIDE SEMI-RECESSED INSTALLATION. PROVIDE STAINLESS STEEL FINISH ON RECESSED SECTION OF WALL. PROVIDE TRANSPARENT PLEXI-GLASS ACCESS COVER. 2. PROVIDE INDIRECT DRAIN VIA 1" AIR GAP FROM RPBFP RELIEF AND ROUTE TO WALL BOX (WB-1). RPBFP AND AIR GAP FITTING SHALL REMAIN VISIBLE TO ALERT OCCUPANT OF BACKPRESSURE RELIEF.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
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Tony Tan

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4	Backcheck 3	01/31/2025
ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: PLUMBING SCHEDULES

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. P0.02
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Drawn By: MN	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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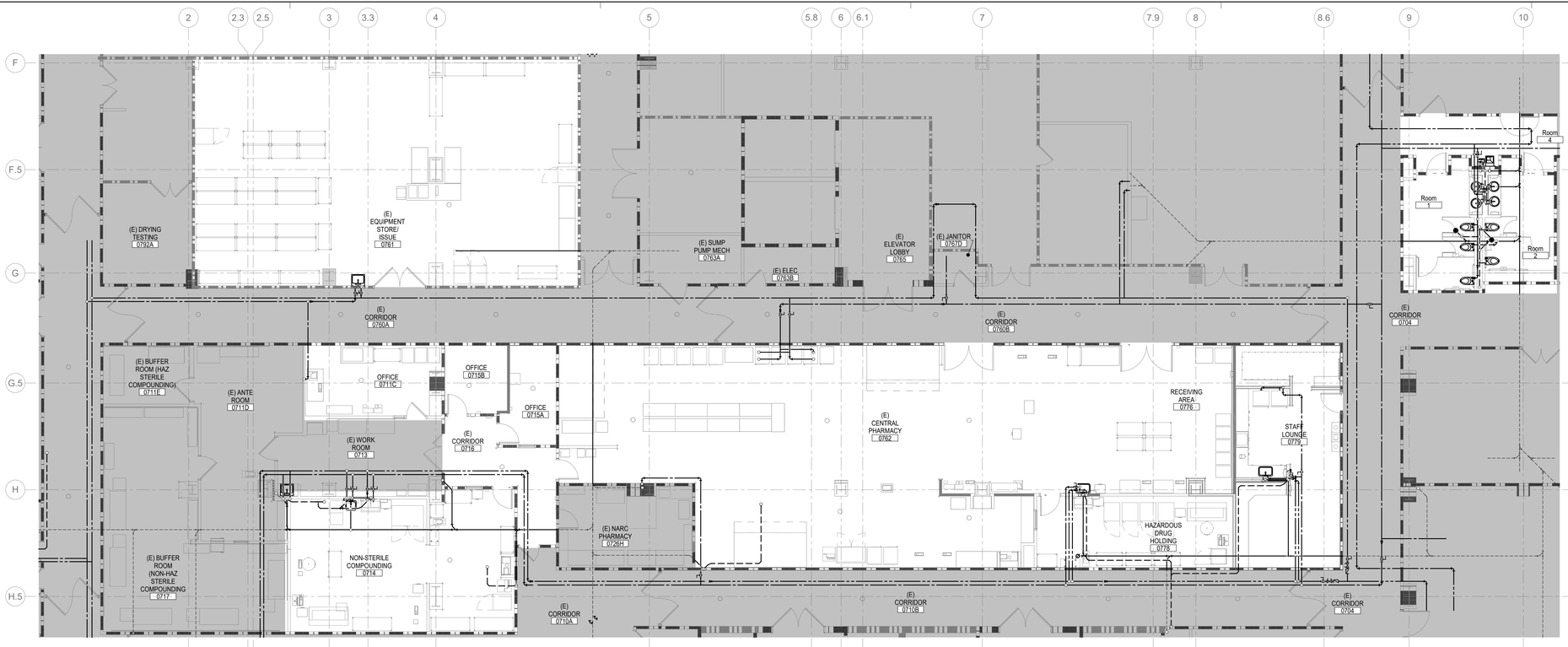
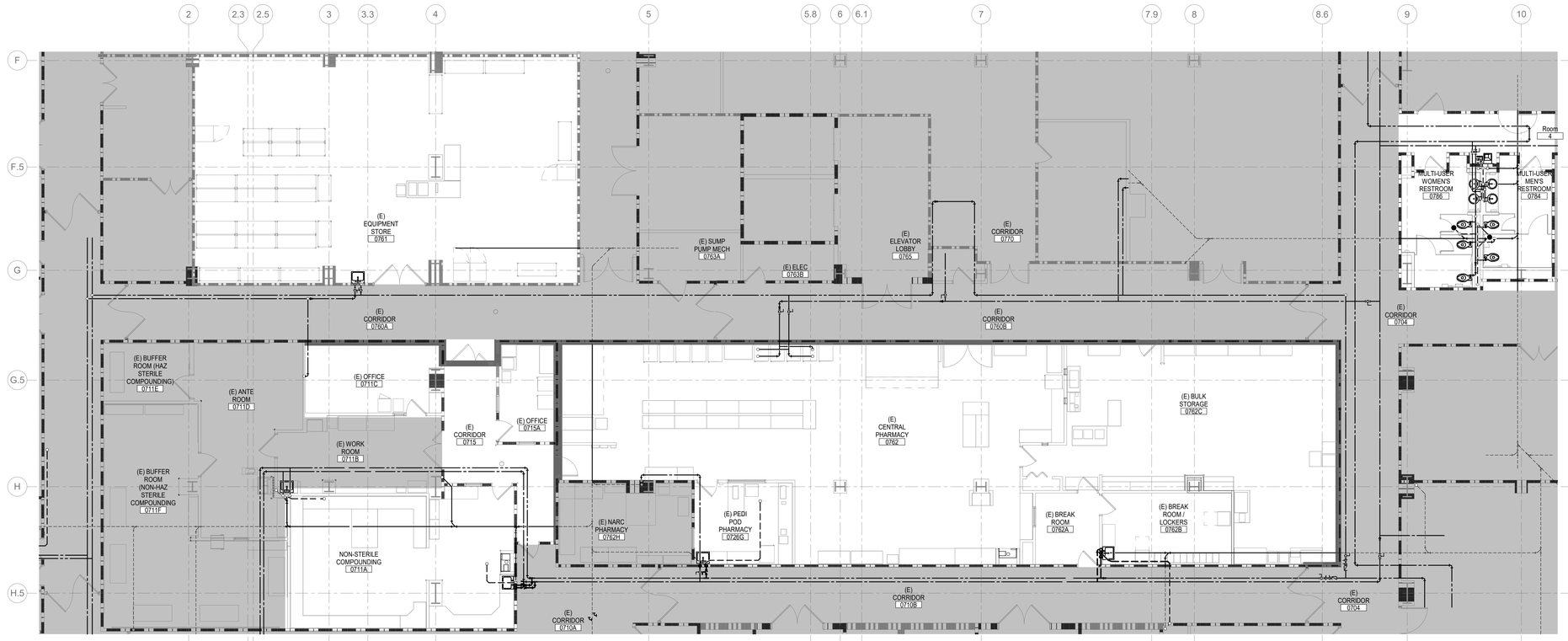


27 / P2.00 PLUMBING - ENLARGED OVERALL REMODEL FLOOR PLAN

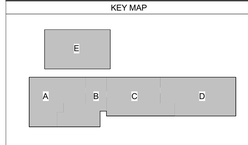
SCALE: 1/8" = 1'-0"



30 / P2.00 PLUMBING - ENLARGED OVERALL DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"

KEY MAP



REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER STEPHEN A. AYERS MECHANICAL M 24700 EXPIRES 3/31/25 STATE OF CALIFORNIA

DATE SIGNED: 06/12/2024

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH

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HY ARCHITECTS PROJECT #: 5938

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4602 2nd Street, Suite 3
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530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

capital engineering
RANCHO CORDOVA, CALIFORNIA

JS - MN/KK — PM - DESIGN TEAM
230210.00 — PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCA No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: PLUMBING - OVERALL FLOOR PLANS - BASEMENT

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/8" = 1'-0"	P2.00
Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

C:\Users\reid.lionakis\OneDrive - Capital\Documents\230210_UCDH_Central Pharmacy Remodel_MP23_Central_Reid.Lionakis.rvt

6/12/2024 4:43:35 PM

0 5' 50'

0 5' 25'

0 1' 12'

0 1' 6'

0 4'

0 1' 3'

0 2'

0 1"

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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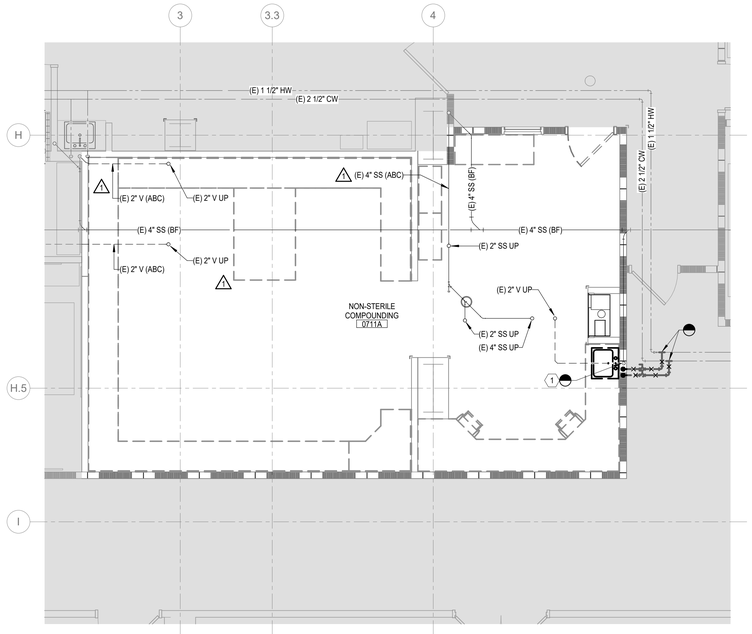
DEMOLITION KEYNOTES:

1. DEMOLISH (E) SINK AND ASSOCIATED PIPING. DEMOLISH (E) CW AND (E) HW BACK TO MAINS, REMOVE TEE & PATCH MAIN. CUT AND CAP (E) SS AND (E) V IN WALL.

NEW WORK KEYNOTES:

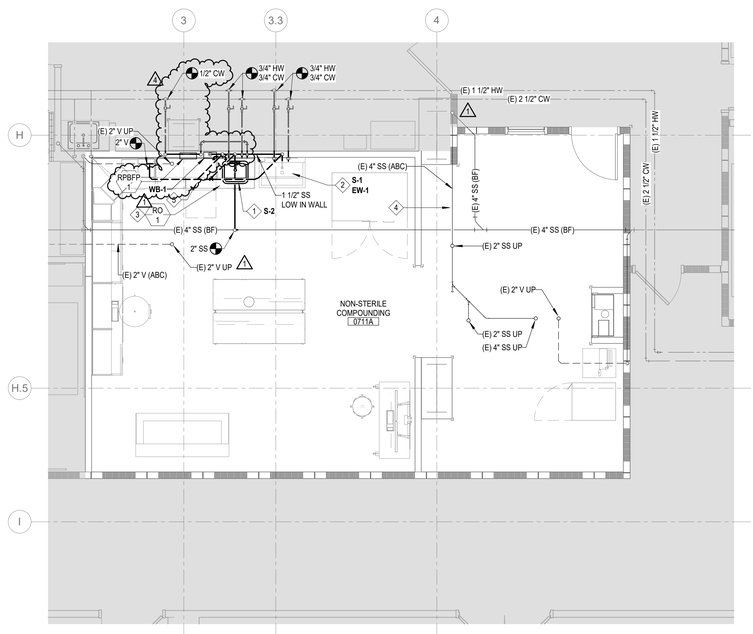
1. PROVIDE 3/4" CW, 3/4" HW, 2" SS AND 2" V TO HAND SINK.
2. PROVIDE 3/4" CW, 3/4" HW, 1 1/2" SS AND 2" V TO SCRUB SINK. PROVIDE 1/2" CW AND 1/2" HW TO THERMOSTATIC MIXING VALVE UNDER SINK. EXTEND TEMPERED WATER TO EMERGENCY EYEWASH. SEE DETAIL 1/P6.01. JOG SANITARY SEWER PIPING LOW IN WALL AND CONNECT TO S-2 DROP BELOW SLAB.
3. SEE 1/P6.01 FOR RO-1 DETAIL.
4. CONTRACTOR SHALL FIELD VERIFY EXISTING WASTE ABOVE COMPOUNDING AREA. VERIFY EXISTING NO-HUB FITTING TO CONFIRM COMPLIANCE WITH CAN 5-310.9. IF WASTE AND DRAIN FITTINGS ARE NON-COMPLIANT, REPLACE WITH HEAVY DUTY, FOUR BAND COUPLINGS. HUSKY SD 4000 OR EQUAL, COMPLIANT WITH ASTM C1540 AND IAPMO 6726.
5. UNDER COUNTER DISHWASHER SHALL BE INSTALLED AND SECURED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.



30 P2.02A

PLUMBING - ENLARGED BASEMENT DEMO
FLOOR PLAN - PHASE 1 - ROOM 0711A

SCALE: 1/4" = 1'-0"

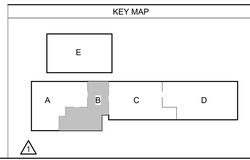


20 P2.02A

PLUMBING - ENLARGED BASEMENT REMODEL
FLOOR PLAN - PHASE 1 - ROOM 0711A

SCALE: 1/4" = 1'-0"

KEY MAP



REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER
STEPHEN M. YUKES
M 24700
EXPIRES 3/31/25
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 01/30/2025

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CONSULTANTS:

capital engineering
Rancho Cordova, California
JS - MN/KK PM - DESIGN TEAM
230210.00 PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date
1	Backcheck 1	09/16/2024
3	Backcheck 2	12/13/2024
4	Backcheck 3	01/31/2025

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCA No.:
Bldg No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: PLUMBING - ENLARGED DEMO & REMODEL PLANS - BASEMENT - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	P2.02A
Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

1/30/2025 11:14:05 AM L:\2023\23210.001\200 Drawings\1206.02 Revit Local Files\23210_UCDH_Central Pharmacy Remodel_MP23_MN.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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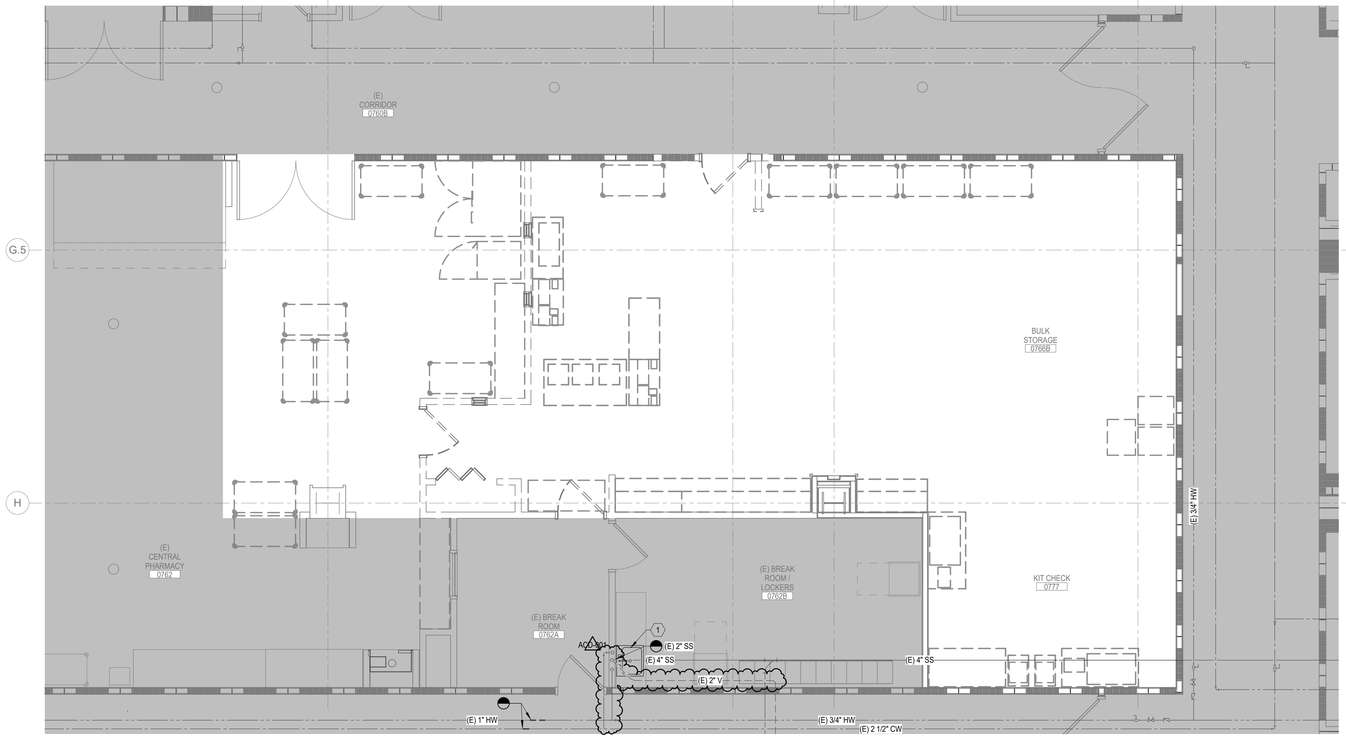
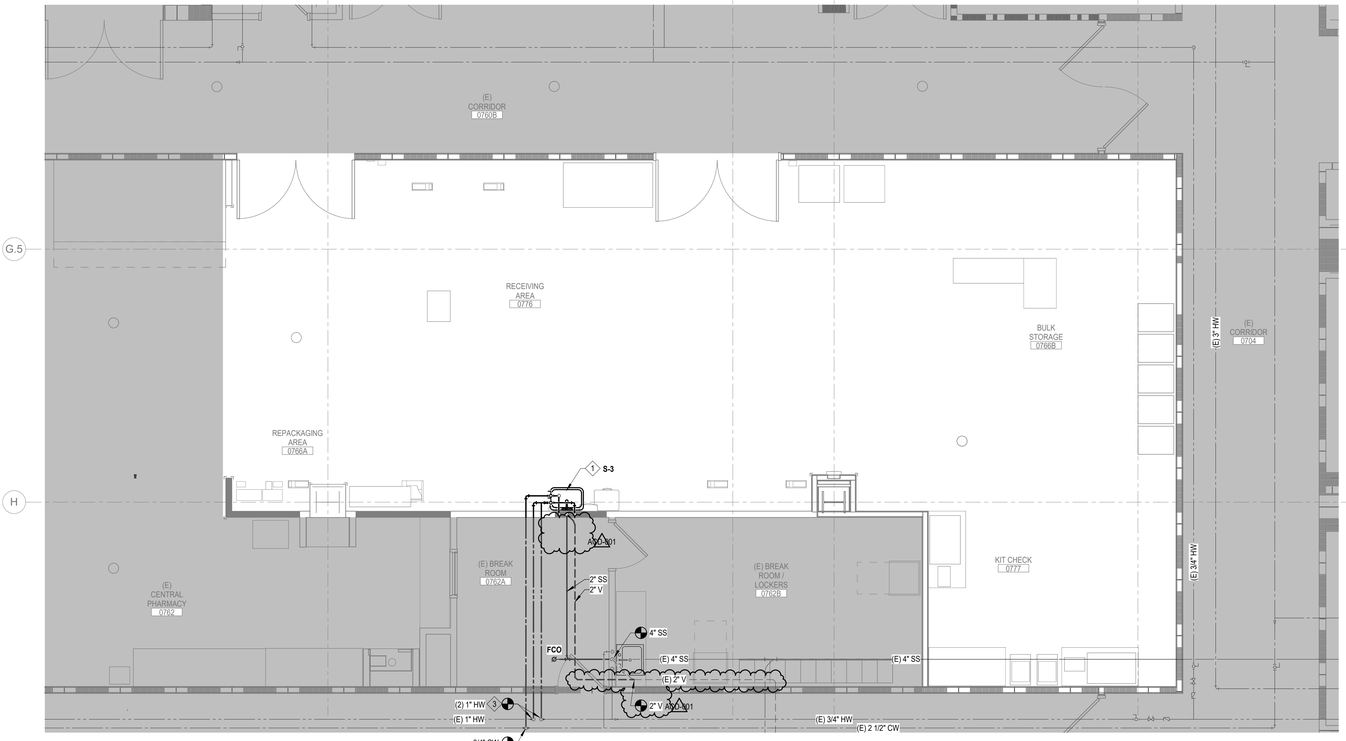


PLUMBING - ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 1 - RECEIVING AREA

28 / P2.02B

SCALE: 1/4" = 1'-0"



PLUMBING - ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 1 - RECEIVING AREA

30 / P2.02B

SCALE: 1/4" = 1'-0"

DEMOLITION KEYNOTES:

1. (E) SINK AND ASSOCIATED PIPING SHALL REMAIN. PROTECT IN PLACE. PREPARE TO EXTEND UNDERGROUND SANITARY SEWER AND ABOVE CEILING VENT TO NEW SINK LOCATION. SEE 30/P2.02B FOR NEW WORK. A2.201

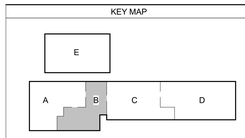
NEW WORK KEYNOTES:

1. PROVIDE 3/4" CW, 3/4" HW, 2" SS AND 2" V TO HAND SINK.
2. NOT USED A2.201
3. EXTEND (E) HW LOOP TOWARDS SINK LOCATION.

NEW WORK KEYNOTES:

1. PROVIDE 3/4" CW, 3/4" HW, 2" SS AND 2" V TO SINK. ROUTE CW, HW AND SS IN CASEWORK. HW PIPING SHALL BE INSULATED.
2. PROVIDE 1/2" CW, 2" SS AND 2" V TO BOTTLE FILLER. INSTALL PER MANUFACTURER INSTRUCTIONS.
3. EXTEND (E) HW LOOP TOWARDS SINK LOCATION.
4. PIPING UP FROM UNDERGROUND.
5. PROVIDE 1/2" CW TO ICE MAKER SUPPLY BOX.

KEY MAP



REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER — KRISTEN A. AYRES — M 24700 — EXPIRES 3/31/27 — MECHANICAL — STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
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HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

capital engineering
Rancho Cordova, California
JS - MN/KK (PM - DESIGN TEAM) 230210.00 (PROJECT NO.)

THIS ISSUE:	ISSUED FOR	Date
ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: PLUMBING - ENLARGED DEMO & REMODEL PLANS - BASEMENT - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	P2.02B
Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

7/22/2025 11:47:10 AM L:\2023\23210.00\1200 Drawings\1206.02 Revit Local Files\23210_UCDH_Central Pharmacy Remodel_MP25_MN.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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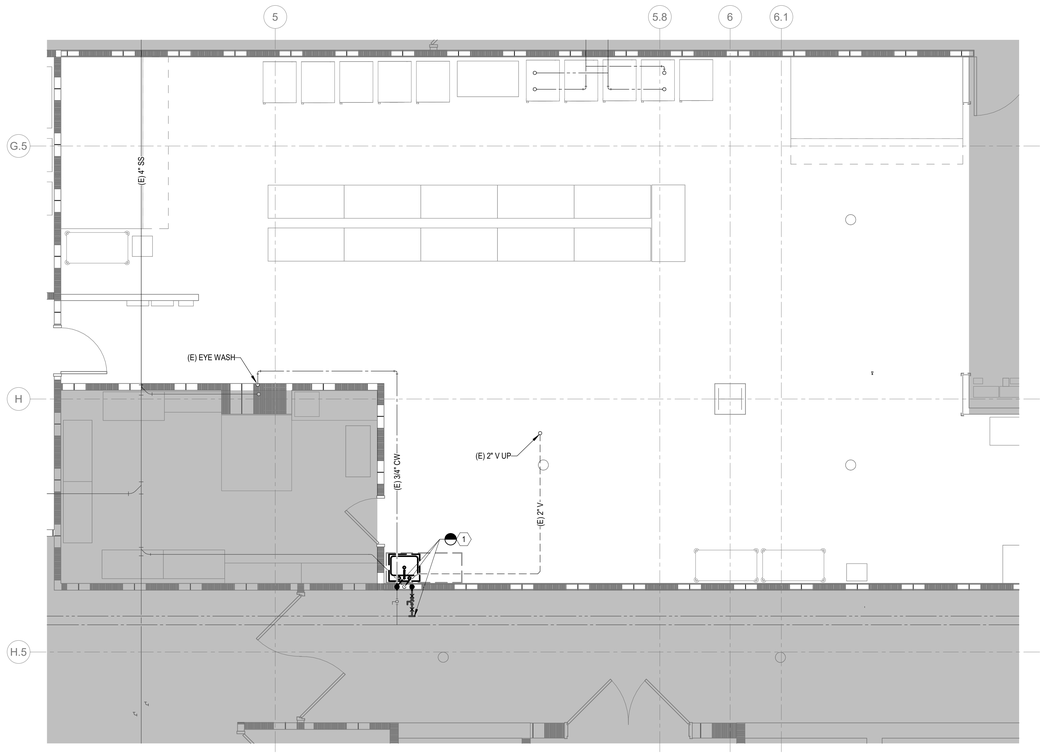


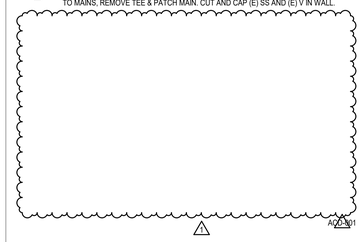
PLUMBING - ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 2

28 / P2.03A

SCALE: 1/4" = 1'-0"

DEMOLITION KEYNOTES:

1 DEMOLISH (E) SINK AND ASSOCIATED PIPING. DEMOLISH (E) CW AND (E) HW BACK TO MAINS. REMOVE TEE & PATCH MAIN. CUT AND CAP (E) SS AND (E) V IN WALL.



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APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S24103-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER
STEPHEN A. MYERS
M 24700
EXPIRES 3/31/27
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

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CONSULTANTS:

capital engineering
Rancho Cordova, California
JS - MN/KK PM - DESIGN TEAM
230210.00 PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date
1	Backcheck 1	09/16/2024
ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

ACD-001

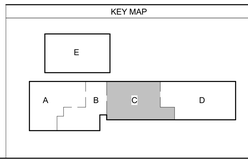
PLUMBING - ENLARGED DEMO & REMODEL PLANS - BASEMENT - MAKE READY - PHASE 2

DT PHARMACY REMODEL - CENTRAL PHARMACY

Floor/Wing: DAVIS TOWER BASEMENT

Account No.: 9558910
HCAI No.:
Bldg No.:
Project
Sheet No.

KEY MAP



Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	P2.03A
Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

7/22/2025 11:47:10 AM
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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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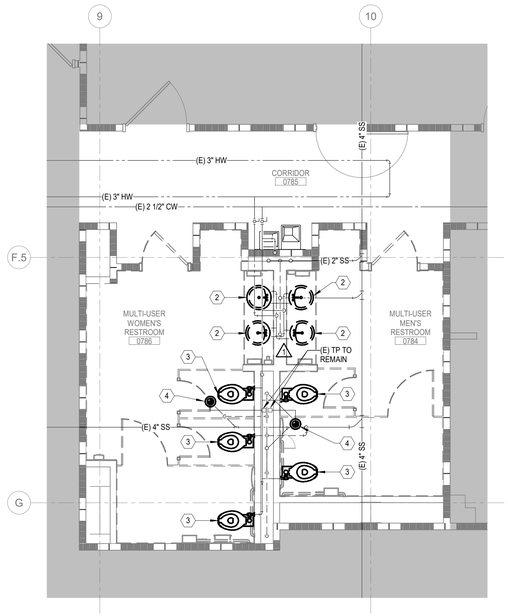
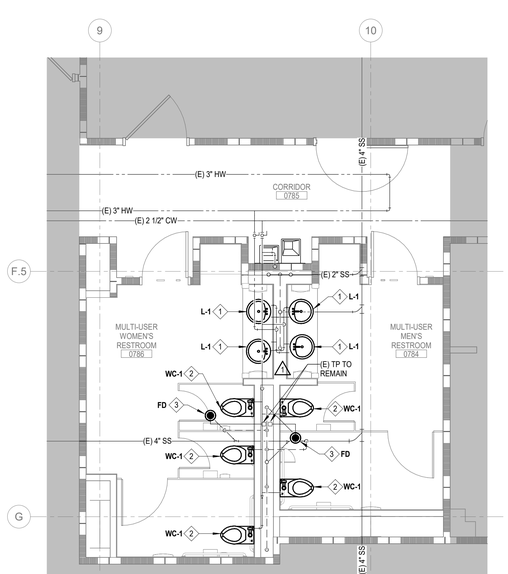


28 / P2.03C

PLUMBING - ENLARGED BASEMENT DEMO FLOOR PLAN - PHASE 2 - MULTI-USER RESTROOM

SCALE: 1/4" = 1'-0"



30 / P2.03C

PLUMBING - ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 2 - MULTI-USER RESTROOM

SCALE: 1/4" = 1'-0"

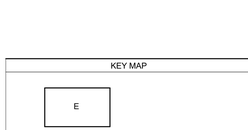
DEMOLITION KEYNOTES:

1. NOT USED/APPLICABLE
2. DEMOLISH (E) LAVATORY. TEMPORARILY CAP (E) PIPING AT WALL. PREPARE TO EXTEND AND RECONNECT IN NEW WORK PHASE.
3. DEMOLISH (E) WATER CLOSET. TEMPORARILY CAP (E) PIPING AT WALL. PREPARE TO EXTEND AND RECONNECT IN NEW WORK PHASE.
4. DEMOLISH (E) FLOOR DRAIN. PREPARE TO CONNECT (N) FLOOR DRAIN TO (E) PIPING IN NEW WORK PHASE.

NEW WORK KEYNOTES:

1. PROVIDE 1/2" CW, 1/2" HW, 2" SS AND 1-1/2" V TO LAVATORY. EXTEND EXISTING PIPING AS NEEDED TO ACCOMMODATE FIXTURE LOCATIONS.
2. PROVIDE 1-1/4" CW, 4" SS AND 2" V TO WATER CLOSET. EXTEND EXISTING PIPING AS NEEDED TO ACCOMMODATE FIXTURE LOCATIONS.
3. PROVIDE FLOOR DRAIN. CONNECT TO (E) SS AND TP PIPING.

KEY MAP



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APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER — KRISTEN A. MYERS — M 24700 — EXPIRES 3/31/27 — MECHANICAL — STATE OF CALIFORNIA

DATE SIGNED: 07/22/2025

DESIGN PROFESSIONALS OF RECORD:

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CONSULTANTS:

capital engineering
Rancho Cordova, California
JS - MN/KK (PM - DESIGN TEAM) 230210.00 (PROJECT NO.)

THIS ISSUE:	ISSUED FOR	Date
1	Backcheck 1	09/16/2024
ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: PLUMBING - BASEMENT - ENLARGED DEMOLITION & NEW WORK PLANS - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	P2.03C
Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

7/22/2025 11:47:12 AM L:\2023\230210.00\1200 Drawings\11206.02 Revit Local Files\230210_UCDH_Central Pharmacy Remodel_MP25_MN.rvt

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ACD-001

SCOPE PHASE REVISED
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Department of Health Care Access and Information
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DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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KIRSTEN A. MYERS
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EXPIRES 3/31/27
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ACD-001	Scope Reduction	03/18/25

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: NOT USED

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. P2.04A
UCDMC Project Mgr. AA	Scale:	
Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

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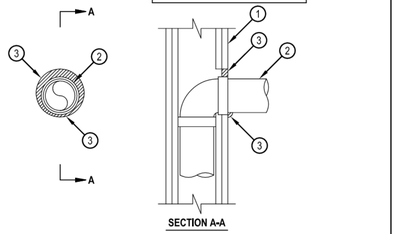
System No. W-L-1410

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Ratings — 1 and 2 Hr (See Item 1)
	FTH Rating — 0 Hr



1. Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the Individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — One or two layers of nom 5/8 in. (16 mm) thick gypsum board as specified in the Individual Wall and Partition Design. Max diam of opening is 5 in. (127 mm).
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly.
2. Through penetrants — One metallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space shall be 0 in. (point contact) to 1 in. (25 mm). Pipe or conduit to be rigidly supported on the penetrated side of the wall assembly. The following types and sizes of metallic pipes or conduits may be used:
   A. Steel pipe — Nom 3 in. (76 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
   B. Conduit — Nom 3 in. (76 mm) diam (or smaller) steel electrical metallic tubing (EMT), nom 3 in. (76 mm) diam steel conduit or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit.
   C. Copper Tubing — Nom 1 in. (25 mm) diam (or smaller) Type L (or heavier) copper tubing.
   D. Copper Pipe — Nom 1 in. (25 mm) diam (or smaller) Regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material++ — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with surface of wall. Min 1/2 in. (13 mm) diam bead of sealant applied at point contact location.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant, FS-ONE MAX Intumescent Sealant, CFS-S-SIL GG Sealant, CP601S Elastomeric Sealant, CP 606 Sealant,or CP618 Putty.

++ Bearing the UL Classification Mark

Hilti Firestop Systems

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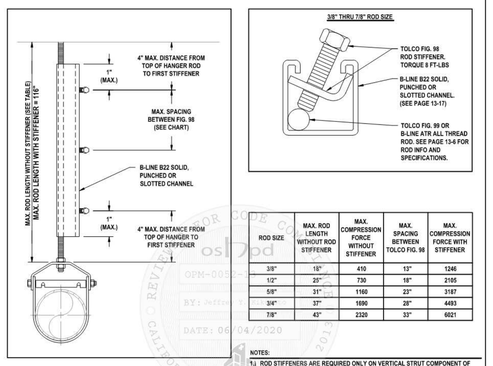
TOLCO FIG. 98 ROD STIFFENER



3/8" THRU 7/8" ROD SIZE

ROD SIZE	MAX. ROD LENGTH WITHOUT ROD STIFFENER	MAX. COMPRESSION FORCE WITHOUT STIFFENER	MAX. SPACING BETWEEN TOLCO FIG. 98	MAX. COMPRESSION FORCE WITH STIFFENER
3/8"	18"	410	13"	1246
1/2"	25"	730	18"	2165
5/8"	31"	1160	23"	3187
3/4"	37"	1690	28"	4493
7/8"	43"	2320	33"	6021

NOTES:
1.) ROD STIFFENERS ARE REQUIRED ONLY ON VERTICAL STRUT COMPONENT OF THE SEISMIC BRACE SYSTEM ON HANGER AND TRAPEZE ASSEMBLIES THAT HAVE SEISMIC BRACING BRACING ATTACHED AT OR WITHIN 6" OF THE ROD. A MINIMUM OF TWO ROD STIFFENERS (TOLCO FIG. 98) MUST BE INSTALLED.
2.) DETAIL APPLIES TO ALL HUNG UTILITIES INCLUDING SINGLE HUNG UTILITIES, TRAPEZE HUNG UTILITIES, AND HUNG EQUIPMENT.
3.) AN EXCEPTION IS THE USE OF TWO OPPOSING RIGID BRACES AT THE SAME LOCATION. FOR INDIVIDUALLY HUNG PIPE THE TWO OPPOSING RIGID BRACES MUST BE AT THE SAME HANGER ROD; TOTAL OF TWO (2) FOR TRANSVERSE, OR TWO (2) FOR LONGITUDINAL. FOR A TRAPEZE HANGER THE TWO OPPOSING RIGID BRACES MUST BE AT THE SAME HANGER ROD; TOTAL OF TWO (2) FOR TRANSVERSE, OR FOUR (4) FOR LONGITUDINAL. THE TWO OPPOSING BRACES MUST BE AT THE SAME ANGLE FROM HORIZONTAL AND WITHIN 5-DEGREES OF 180 DEGREES FROM EACH OTHER. IN THIS CASE NO STIFFENING OF VERTICAL ROD IS NECESSARY.
4.) MATERIAL SPECIFICATIONS FOR TOLCO FIG. 98, BODY: ASTM A-1011-CS TYPE B SAE 1006, BOLT: HEX BOLT GRADE 5

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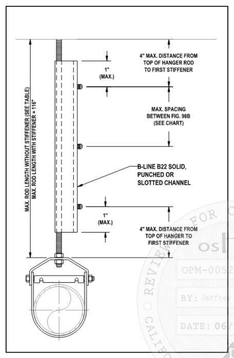
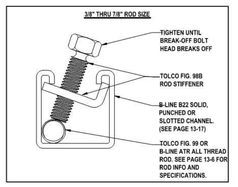
Structural Engineer: Mohammad Hariri
California SE No. S3545

PAGE: 12-16
DATE: NOVEMBER 29, 2016

TOLCO FIG. 98B ROD STIFFENER



3/8" THRU 7/8" ROD SIZE



ROD SIZE	MAX. ROD LENGTH WITHOUT ROD STIFFENER	MAX. COMPRESSION FORCE WITHOUT STIFFENER	MAX. SPACING BETWEEN TOLCO FIG. 98	MAX. COMPRESSION FORCE WITH STIFFENER
3/8"	18"	410	13"	1246
1/2"	25"	730	18"	2165
5/8"	31"	1160	23"	3187
3/4"	37"	1690	28"	4493
7/8"	43"	2320	33"	6021

NOTES:
1.) ROD STIFFENERS ARE REQUIRED ONLY ON VERTICAL STRUT COMPONENT OF THE SEISMIC BRACE SYSTEM ON HANGER AND TRAPEZE ASSEMBLIES THAT HAVE SEISMIC BRACING BRACING ATTACHED AT OR WITHIN 6" OF THE ROD. A MINIMUM OF TWO ROD STIFFENERS (TOLCO FIG. 98B) MUST BE INSTALLED.
2.) DETAIL APPLIES TO ALL HUNG UTILITIES INCLUDING SINGLE HUNG UTILITIES, TRAPEZE HUNG UTILITIES, AND HUNG EQUIPMENT.
3.) AN EXCEPTION IS THE USE OF TWO OPPOSING RIGID BRACES AT THE SAME LOCATION. FOR INDIVIDUALLY HUNG PIPE THE TWO OPPOSING RIGID BRACES MUST BE AT THE SAME HANGER ROD; TOTAL OF TWO (2) FOR TRANSVERSE, OR TWO (2) FOR LONGITUDINAL. FOR A TRAPEZE HANGER THE TWO OPPOSING RIGID BRACES MUST BE AT THE SAME HANGER ROD; TOTAL OF TWO (2) FOR TRANSVERSE, OR FOUR (4) FOR LONGITUDINAL. THE TWO OPPOSING BRACES MUST BE AT THE SAME ANGLE FROM HORIZONTAL AND WITHIN 5-DEGREES OF 180 DEGREES FROM EACH OTHER. IN THIS CASE NO STIFFENING OF VERTICAL ROD IS NECESSARY.
4.) MATERIAL SPECIFICATIONS FOR TOLCO FIG. 98B, BODY: ASTM A-1011 CS TYPE B SAE; BREAK-OFF BOLT: 1035 (AISI-SAE) CASE HARDENED TO 0.015 MIN. DEPTH THRU HARDENED @ 45-55 RC FROM ANNEALED CONDITION.

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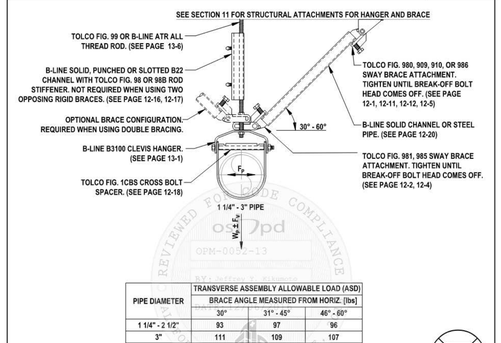
California SE No. S3545

PAGE: 12-17
DATE: NOVEMBER 29, 2016

TRANSVERSE RIGID BRACING FOR SINGLE HUNG PIPE OR CONDUIT WITH CLEVIS HANGER

DETAIL 1



PIPE DIAMETER	TRANSVERSE ASSEMBLY ALLOWABLE LOAD (ASD) BRACE ANGLE MEASURED FROM HORIZ. [lbs]		
	30°	31° - 45°	46° - 60°
1 1/4" - 2 1/2"	93	97	96
3"	111	109	107

GENERAL NOTES:
1.) LOADS LISTED ABOVE ARE FOR SCHEDULE 10 AND BETTER PIPING. THE FOLLOWING REDUCTIONS SHALL APPLY FOR OTHER PIPING AND SYSTEMS:
   a.) THIN WALL PIPING - REDUCE LOADS BY 0%
   b.) CONDUITS EXCLUDING EMT - REDUCE LOADS BY 0%
2.) PIPES WITH INSULATION SHALL NOT BE USED.
3.) THE FIG 909 AND FIG 910 ARE FOR USE ONLY WITH STEEL PIPE BRACES, PER PAGES 12-11 AND 12-12.

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California SE No. S3545

PAGE: 2-1
DATE: NOVEMBER 29, 2016

6 P6.01 Hilti Pipe Down Rated Wall

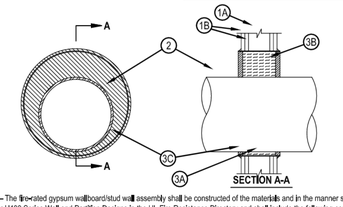
SCALE: NONE

WL 1056

System No. W-L-1056

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient - Less Than 1 CFM/sq ft	FH Rating — 2 Hr
L Rating At 400 F - 4 CFM/sq ft	FTH Rating — 0 Hr
	L Rating At Ambient - Less Than 1 CFM/sq ft
	L Rating At 400 F - 4 CFM/sq ft



1. Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the Individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Two layers of nom 5/8 in. (16 mm) thick gypsum wallboard, as specified in the Individual Wall and Partition Design. Max diam of opening is 18-3/4 in. (476 mm).
2. Through Penetrants — One metallic pipe or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The annular space shall be min 3/4 in. (19 mm) to max 4-1/2 in. (114 mm). The following types and sizes of metallic pipes or tubing may be used:
   A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.
   C. Copper Tubing — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.
   D. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
3. Firestop System — The firestop system shall consist of the following:
   A. Metallic Sleeve — Cylindrical sleeve fabricated from min 0.028 in. thick (24 gauge) galv sheet steel and having a min 1 in. (25 mm) lap along the longitudinal seam. Length of steel sleeve to be 1 in. (25 mm) more than the overall thickness of the wall such that, when installed in circular opening, the ends of the sleeves project 1/2 in. (13 mm) from each surface of the wall. The diam of the openings cut in the gypsum wallboard layers on each side of the wall assembly to be 1-1/2 to 6 in. (38 to 152 mm) larger than outside diam of pipe such that, when the sleeve is installed, a 3/4 to 4-1/2 in. (19 to 114 mm) annular space will be present between the steel sleeve and the pipe around the entire circumference of the pipe. Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the openings and releasing the coil to let it uncoil against the circular cutouts in the gypsum wallboard layers.

Hilti Firestop Systems

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4 P6.01 Rod Stiffener Detail

SCALE: NONE

WL 1056

System No. W-L-1056

B. Packing Material — Min 4 in. thickness of min 4.0 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.
C. Fill, Void or Cavity Material* — Sealant — Min 3/4 in. (19 mm) thickness of tightly packed fill material applied within the annulus, flush with the ends of the steel sleeve. Additional fill material to be installed to the outer perimeter of the steel sleeve at its egress from the opening.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

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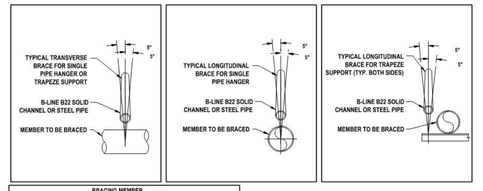
Page: 2 of 2

MAXIMUM ALLOWABLE LENGTHS AND AXIAL LOADS FOR BRACE MEMBERS



BRACING MEMBER					
PIPE DIAMETER	MAXIMUM LENGTH	SCHED.	ALLOWABLE HORIZ. SEISMIC LOAD (LBS)(ASD) BRACE ANGLE MEASURED FROM HORIZ.		
			0° - 30°	31° - 45°	46° - 60°
SEISMIC BRACING KL/R = 200					
1"	7'-0"	40	970	792	560
1 1/4"	9'-0"	40	1307	1067	755
1 1/2"	10'-4"	40	1594	1301	920
2"	13'-1"	40	2126	1735	1227
3"	19'-6"	10	4330	3535	2500
3 1/2"	22'-4"	10	5264	4265	3030
4"	25'-0"	10	6235	5091	3600

BRACING MEMBER				
STRUT SIZE	MAXIMUM LENGTH	ALLOWABLE HORIZ. SEISMIC LOAD (LBS)(ASD) BRACE ANGLE MEASURED FROM HORIZ.		
		0° - 30°	31° - 45°	46° - 60°
SEISMIC BRACING K/R = 200				
B-LINE B22	9'-6"	1900	1552	1097
B-LINE B24	9'-6"	1488	1215	859

BRACING MEMBER				
PRE STRETCHED GALVANIZED, 7X19, AIRCRAFT CABLE DIAMETER	MAXIMUM LENGTH	ALLOWABLE HORIZ. SEISMIC LOAD (LBS)(ASD) BRACE ANGLE MEASURED FROM HORIZ.		
		0° - 30°	31° - 45°	46° - 60°
SEISMIC BRACING KL/R = N/A				
1/8"	∞	873	689	487
3/16"	∞	1774	1449	1024
1/4"	∞	2727	2227	1574

NOTES:
1.) ALL LONGITUDINAL AND TRANSVERSE BRACING UTILIZING PIPE OR CHANNEL, AS THE BRACING MEMBER HAS A TOLERANCE OF 5° FROM CENTER IN ANY PLANE WITHOUT AFFECTING THE ALLOWABLE LOADS.
2.) TABULATED LOADS ARE SUBJECT TO LIMITS GOVERNED BY THE CAPACITY OF THE PRIMARY STRUCTURE, INCLUDING BUT NOT LIMITED TO, THE CONCRETE FILL OVER METAL DECK. CAPACITY PER THE CONTRACT DOCUMENTS.
3.) STEEL PIPE PER ASTM A53 TYPE E GRADE B.
4.) "MAXIMUM LENGTH" IS MEASURED FROM ENDS OF PIPE, OR ENDS OF STRUT, OR FROM ATTACHMENTS OF CABLE.
5.) PRE-STRETCHED GALVANIZED , 7 X19, AIRCRAFT CABLE SHALL BE IN COMPLIANCE WITH ASTM A1023.

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California SE No. S3545

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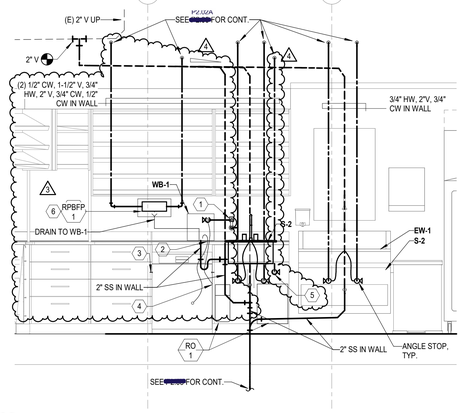
2 P6.01 Pipe Hanger Detail

SCALE: NONE

NOTE:
1. REFER TO ARCHITECTURAL SHEET A5.01 DETAIL 27 FOR EXACT LOCATONS OF WALL DEVICES.
2. RO-1 IS AN OWNER PURCHASED, VENDOR INSTALLED EQUIPMENT. FINAL LOCATIONS OF PIECES/DEVICES WILL BE FIELD COORDINATED BY VENDOR AND OWNER. PLUMBING CONTRACTOR SHALL PROVIDE SUPPLY DOMESTIC COLD WATER CONNECTION POINT.

KEYNOTES:
1. PROVIDE ZURN Z80000-XL-EVB ATMOSPHERIC VACUUM BREAKER ON DISHWASHER SUPPLY LINE. INSTALL ABOVE SINK BASIN.
2. ROUTE DISHWASHER FLEXIBLE DRAIN LINE THRU RUBBER GROMMET IN CASEWORK. DISCHARGE INTO WALL BOX DRAIN VIA INDIRECT DISCHARGE WITH 1" AIR GAP.
3. SECURE DISHWASHER WITH 4 WOOD SCREWS IN ACCORDANCE WITH MANUFACTURER INSTALL MANUAL.
4. 1/2" HW CONNECTION TO DISHWASHER. ROUTE FROM DISHWASHER, THRU RUBBER GROMMET IN CASEWORK TO WALL BOX CONNECTION.
5. CONTRACTOR SHALL PROVIDE CONNECTION POINT WITH ANGLE STOP FOR RO-1. RO-1 SHALL BE INSTALLED AND FIELD COORDINATED BY VENDOR. RO-1 TUBING IS NOT IN CONTRACTOR SCOPE AND NOT SHOWN.
6. SEMI-RECESSED STAINLESS STEEL BOX FOR RPBFP-1. PROVIDE TRANSPARENT PLEXIGLASS FACEPLATE.



5 P6.01 Hilti Pipe Thru Rated Wall

SCALE: NONE

3 P6.01 Transverse Bracing Detail

SCALE: NONE

1 P6.01 Rm 0711A - Elevation North

SCALE: 1/2" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER STEPHEN A. NUKES M 24700 EXPIRES 3/31/25 MECHANICAL STATE OF CALIFORNIA

DATE SIGNED: 01/30/2025
DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

capital engineering
RANCHO CORDOVA, CALIFORNIA
JS - MN/KK 230210.00
PM - DESIGN TEAM PROJECT NO.

THIS ISSUE:	ISSUED FOR	Date
3	Backcheck 2	12/13/2024
4	Backcheck 3	01/31/2025

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DT PHARMACY REMODEL - CENTRAL PHARMACY
Sheet Title: PLUMBING DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: As indicated	P6.01
Designed By: MN	Issue Date: 06/12/2024	
Drawn By: MN	Revit Version: 2023	

L:\2023\23010.00\1200 Drawings\1206.02 Revit Local Files\230210_UCDH_Central Pharmacy Remodel_MP23_MN.rvt
1/30/2025 11:10:31 AM

GRAPHIC SCALES: 0 5' 50' 1/16" = 1'-0" | 0 5' 25' 1/8" = 1'-0" | 0 1' 12' 1/4" = 1'-0" | 0 1' 6' 1/2" = 1'-0" | 0 4' 3/4" = 1'-0" | 0 1' 3' 1" = 1'-0" | 0 2' 1 1/2" = 1'-0" | 0 1' 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

DEVICE AND WIRING LEGEND

		WIRING	NOTES
	120 VAC DUPLEX OUTLET	1 - 120VAC/20AMP DEDICATED CIRCUIT (CRITICAL OR EQUIPMENT BRANCH)	C
ACP	ACCESS CONTROL PANEL	1 - NETWORK CONNECTION TO OWNER'S SWITCH (NON-POE) 1 - 120 VAC POWER	C, D
ARM	KEYPAD ARMING STATION	1 - #22/4 PLENUM TO IAP	G
C	CONCEALED MAGNETIC ALARM CONTACT	1 - #18/2 PLENUM (AT DOOR CONTACTS WITH SINGLE CONNECTION TO ACP)	G, B
PX	PROXIMITY CARD READER WITH KEYPAD - WALL MOUNT	1 - COMPOSITE PLENUM CABLE; REFER TO SPECIFICATIONS FOR CABLE CALLOUTS IN THE COMPOSITE CABLE	A, B, E
CS	FIXED IP CAMERA (CEILING SURFACE)	1 - NETWORK CONNECTION TO OWNER'S SWITCH (POE)	D
360° CS	FIXED IP MULTISENSOR CAMERA (CEILING SURFACE 360º VIEW)	1 - NETWORK CONNECTION TO OWNER'S SWITCH (POE)	D
CS	FIXED IP MULTISENSOR DUAL HEAD CAMERA (CEILING SURFACE)	1 - NETWORK CONNECTION TO OWNER'S SWITCH (POE)	D
DEC	VIDEO DECODER	1 - NETWORK CONNECTION TO OWNER'S SWITCH (POE)	D
HB	HELP/DURESS BUTTON - WALL MOUNTED	1 - #18/2 PLENUM	G
HB	HELP/DURESS BUTTON - DESK MOUNTED	1 - #18/2 PLENUM	G
IAP	INTRUSION ALARM PANEL	1 - NETWORK CONNECTION TO OWNER'S SWITCH (NON-POE) 1 - 120VAC/20AMP DEDICATED EMERGENCY CIRCUIT 1 - PHONE CONNECTION TO OWNERS SWITCH (POTS LINE)	C, D, F
J	JUNCTION BOX	SEE DRAWINGS	C
	LAN/WAN CONNECTION	2 - NETWORK CONNECTION TO OWNER'S SWITCH (POE)	D
LCD	LCD MONITOR	1 - 120VAC DUPLEX OUTLET (DEDICATED POWER NOT REQUIRED) 1 - HDMI CABLE DECODER	C
RR	REMOTE RELEASE BUTTON	1 - #18/2 SHIELDED PLENUM	G
	TELCO CONNECTION (VG LINE)	1 - 1MB DIRECT DIAL POTS TELEPHONE	D, F
VI	VIDEO INTERCOM DOOR STATION	1 - NETWORK CONNECTION TO OWNER'S SWITCH (NON-POE)	D
VM	VIDEO INTERCOM MASTER STATION - DESK MOUNTED	DATA BOSCH PANEL	D
WR	WIRELESS RECEIVER	1 - NETWORK CONNECTION TO OWNER'S SWITCH (POE)	
WT	WIRELESS TRANSMITTER	N/A	

TYPICAL CARD READER DOOR CONFIGURATION

	SYMBOL	DESCRIPTION	WIRING	NOTES
DR DX	CR	PROXIMITY CARD READER - WALL MOUNTED CARD READER CONTROLS ENTRY ONLY. DOORS ARE ALWAYS FREE EGRESS WITHOUT PRIOR KNOWLEDGE, EFFORT OR USE OF A KEY.	1 - COMPOSITE PLENUM CABLE; REFER TO SPECIFICATIONS FOR CABLE CALL OUTS IN THE COMPOSITE CABLE	G
	C	CONCEALED MAGNETIC ALARM CONTACT	1 - #18/2 PLENUM (AT DOOR CONTACTS WITH SINGLE CONNECTION) 2 - #18/2 PLENUM (AT DPDT CONTACT ONLY)	
	EL	ELECTRIFIED LOCK ELECTRIC LOCKS CONTROL ENTRY ONLY. DOORS ARE ALWAYS FREE EGRESS WITHOUT PRIOR KNOWLEDGE, EFFORT OR USE OF A KEY. DOORS ARE ALWAYS OPERABLE BY MECHANICAL KEY FROM THE ENTRY SIDE.	USE RED/BLACK OF #18/4 IN COMPOSITE CABLE FOR LOCK POWER	
	RX	REQUEST TO EXIT THIS DEVICE DOES NOT CONTROL EGRESS. THIS DEVICE SENDS A LOW VOLTAGE SIGNAL TO THE SECURITY SYSTEM TO PREVENT A DOOR ALARM WHEN THE DOOR IS OPENED FROM THE INSIDE. DOORS ARE ALWAYS FREE EGRESS WITHOUT PRIOR KNOWLEDGE, EFFORT OR USE OF A KEY.	1 - #22/4 IN COMPOSITE CABLE IF REX IS STANDALONE PIR; USE GREEN/WHITE OF 18/4 COMPOSITE CABLE TO LOCK IF REX IS INTEGRATED WITH THE DOOR HARDWARE	

DEVICE LEGEND NOTES

A. PROVIDE ONE COMPOSITE CABLE FROM THE ACP TO THE DOOR AND OUT TO THE FIELD DEVICES. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

B. ON DOUBLE DOORS INSTALL A CONTACT ON EACH DOOR. SERIES THE CIRCUITS AT THE DOOR AND RUN ONE CABLE PER CIRCUIT TO THE HEAD-END. ALL CABLES PLENUM RATED.

C. DEDICATED 120V/20A CIRCUIT PROVIDED BY THE ELECTRICAL CONTRACTOR. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

D. NETWORK CONNECTIONS AND CABLING PROVIDED BY IT CONTRACTOR. REFER TO THE TELECOM DRAWINGS FOR MORE INFORMATION.

E. BY HARDWARE CONTRACTOR.

F. ANALOG PHONE LINE CONNECTIONS PROVIDED BY IT CONTRACTOR.

G. PROVIDE TWO INDIVIDUAL CABLES TO CONTACTS WITH CONNECTIONS TO THE ACCESS CONTROL SYSTEM AND TO THE INTRUSION ALARM SYSTEM. ONLY ONE CABLE IS REQUIRED IF THE DEVICE AND POINT ONLY CONNECT TO A SINGLE SYSTEM. ALL CABLES PLENUM RATED.

SECURITY ELECTRONICS SHEET LIST

Sheet Number	Sheet Name
SE0-00	SECURITY ELECTRONICS SYMBOLS LEGEND AND SHEET INDEX
SE1-00	SECURITY ELECTRONICS ENLARGED BASEMENT DEMO FLOOR PLAN
SE1-01	SECURITY ELECTRONICS ENLARGED BASEMENT PROPOSED FLOOR PLAN
SE1-02	SECURITY ELECTRONICS ENLARGED BASEMENT PROPOSED REFLECTED CEILING PLAN
SE3-01	SECURITY ELECTRONICS RISER AND SCHEDULES
SE4-01	SECURITY ELECTRONICS DETAILS
SE4-02	SECURITY ELECTRONICS DETAILS
SE4-03	SECURITY ELECTRONICS DETAILS
SE4-04	SECURITY ELECTRONICS DETAILS

SCOPE OF WORK

1. SECURITY CONTRACTOR SHALL PROVIDE, INSTALL AND PROGRAM A COMPLETELY FUNCTIONAL AND OPERATIONAL SYSTEM AS SHOWN ON DRAWINGS AND SPECIFICATIONS.
2. THE SECURITY CONTRACTOR SHALL PROVIDE A PHASED INSTALLATION OF THE ELECTRONIC SECURITY BASED ON THE OWNER AND GENERAL CONTRACTOR'S SCHEDULE.
3. SECURITY CONTRACTOR SHALL PROVIDE AND INSTALL ALL WIRING, DEVICES, CONNECTIONS, PROGRAMMING, AND COORDINATION REQUIRED FOR A COMPLETELY FUNCTIONAL AND OPERATIONAL SYSTEM. SECURITY CONTRACTOR SHALL PROVIDE ALL CUSTOM BACKBOXES AS REQUIRED.
4. INCLUDE FINAL CONNECTIONS, PROGRAMMING, TRAINING, AND TESTING OF THE WORK TO THE HEAD-END EQUIPMENT PER THE OWNER'S, SECURITY CONSULTANT'S, AND PROJECT DESIGN DOCUMENTS REQUIREMENTS.
5. ATTENDANCE AT CONSTRUCTION COORDINATION MEETINGS PER THE GENERAL CONTRACTORS SCHEDULE AND REQUIREMENTS.
6. COORDINATION OF WORK WITH OTHER DESIGN AND INSTALLATION TRADES.
7. INSTALL END-OF-LINE (EOL) RESISTORS AS REQUIRED. EOL'S SHALL BE INSTALLED AT THE INDIVIDUAL POINTS OF PROTECTION NOT AT THE CONTROL PANEL, OR AT THE READER AND/OR INPUT MODULES IF LOCATED REMOTE FROM THE PANEL.

ABBREVIATIONS

SECURITY DEVICES
- ACP - ACCESS CONTROL PANEL
- IAP - INTRUSION ALARM PANEL
- E - EXISTING
- E/R - EXISTING/REPLACE
- E/REL - EXISTING/RELOCATE
- E/REM - EXISTING/REMOVE
- E/RI - EXISTING/REINSTALL
- E/RRI - EXISTING/REMOVE AND REINSTALL
- N - NEW

WIRING
- SH - SHIELDED
- TW - TWISTED

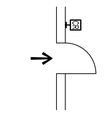
OTHER
- A.F.F. - ABOVE FINISHED FLOOR
- AFG - ABOVE FINISHED GRADE
- FBO - FURNISHED BY OTHERS
- F.O.V. - FIELD OF VIEW
- N/A - NOT APPLICABLE
- NTS - NOT TO SCALE
- RECP - RECEPTION
- S.O.C. - SECURITY OPERATIONS CENTER
- TBD - TO BE DETERMINED
- TR - TECHNOLOGY ROOM
- TER - TECHNOLOGY EQUIPMENT ROOM
- UON - UNLESS OTHERWISE NOTED
- VIF - VERIFY IN FIELD
- WP - WEATHER PROOF

EXISTING TO REMAIN

EXISTING TO BE REMOVED/REPLACED/RELOCATED

NEW WORK

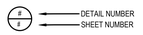
DOOR EGRESS SYMBOL



ARROW INDICATES DIRECTION OF FREE MOVEMENT, DOOR IS CONTROLLED IN THE OPPOSITE DIRECTION OF EGRESS PATH.

ALL DOORS IN THIS PROJECT UON ARE COMPLIANT WITH CBC 1010.1.9.9 AND PROVIDE FREE EGRESS IN THE EXIT DIRECTION WITHOUT SPECIAL KNOWLEDGE, EFFORT OR USE OF A KEY. DOORS ARE NEVER LOCKED IN THE EXIT DIRECTION AT ANY TIME OR IN ANY CONDITION UON ON THE PLANS.

DESCRIPTION OF REFERENCE SYMBOL



GENERAL NOTES

1. ALL CABLES TO BE PLENUM RATED.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. THE CONTRACTOR SHALL NOT INTERMIX ANY LINE VOLTAGE POWER WIRES (120VAC AND GREATER) WITH ANY LOW VOLTAGE SIGNAL OR CONTROL WIRES IN ANY CONDUIT.
3. VERIFY ALL FIELD DIMENSIONS AND CONDITIONS PRIOR TO INSTALLATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND. VERIFY DIMENSIONS OF ALL OWNER FURNISHED EQUIPMENT AND SERVICES TO ENSURE PROPER COORDINATION WITH CONSTRUCTION.
4. SCHEDULE ALL WORK, INCLUDING CONSTRUCTION ACCESS AND STORAGE, WITH THE OWNER OR THOSE DESIGNATED BY THE OWNER. THE CONSTRUCTION SCHEDULE SHALL BE APPROVED BY THE OWNER PRIOR TO THE START OF CONSTRUCTION.
5. ALL UTILITIES REQUIRED FOR THE CONTINUOUS OPERATION OF ALL EXISTING FACILITIES MUST BE MAINTAINED AND REMAIN IN SERVICE AT ALL TIMES (IF APPLICABLE).
6. CONTRACTOR SHALL PROVIDE DUST PROTECTION AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN CONSTRUCTION AREA. BROOM CLEAN ALL AREAS EACH DAY.
7. WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC AND OCCUPANTS OF EXISTING BUILDINGS. INTERRUPTING PERSONNEL AT WORK AS A RESULT OF THIS UNDERTAKING SHALL ALWAYS BE KEPT TO A MINIMUM. CONTRACTOR SHALL PROVIDE TRAFFIC AND SAFETY SIGNS AND BARRIERS WHERE NECESSARY. NO POWER LINE IN THE BUILDING SHALL BE SHUT DOWN UNLESS REQUESTED AND APPROVED IN WRITING BY THE OWNER IN ADVANCE.
8. THE CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK ON PREMISES SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING A REASONABLE AND PRUDENT SAFETY PROGRAM INCLUDING, BUT NOT LIMITED TO, THE ISOLATION OF WORK AREAS AND THE PROMPT REMOVAL OF ANY DEBRIS OR TOOLS WHICH MIGHT ENDANGER VISITORS OR EMPLOYEES OF THE FACILITY. ALL ROADS AND WALKWAYS SHALL REMAIN CLEAR AND UNOBSTRUCTED. WHEN NECESSARY, ALTERNATE ROUTES MUST BE MAINTAINED SHOULD UNSAFE CONDITIONS OCCUR.
9. COORDINATION WITH OTHER CONTRACTORS:
IF ANY PART OF THE CONTRACTOR'S WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL INSPECT SUCH OTHER WORK AND PROMPTLY REPORT IN WRITING TO THE PROJECT ARCHITECT ANY DEFECTS IN SUCH OTHER WORK THAT RENDER IT UNSUITABLE TO RECEIVE THE WORK OF THIS CONTRACTOR. FAILURE TO INSPECT AND REPORT SHALL CONSTITUTE AN ACCEPTANCE OF THE OTHER CONTRACTOR'S WORK EXCEPT AS TO DEFECTS WHICH DEVELOP IN OTHER CONTRACTOR'S WORK AFTER EXECUTION OF THIS CONTRACTOR'S WORK.
10. THE CONTRACTOR SHALL ALWAYS MAINTAIN, AT THE JOB SITE, UPDATED "RECORD" DRAWINGS. THESE DRAWINGS SHALL BE AVAILABLE TO THE ARCHITECTS, INSPECTORS OR THE OWNERS UPON REQUEST.
11. NO CABLE RUN SHALL BE SPLICED UNLESS TWO OR MORE DEVICES ARE CONNECTED TO THE SAME CIRCUIT OR THE DEVICE IS PROVIDED FROM THE FACTORY WITH PIGTAIL WIRES. WHERE SPLICING IS REQUIRED, THE SPLICE SHALL BE SOLDERED AND TAPED. IT SHALL BE DONE IN EITHER A SPECIAL TERMINAL BOX, AT THE BACK BOX OR AT THE DEVICE TERMINAL LUGS. ALL SPLICE BOXES MUST BE IN ACCESSIBLE AREAS AND CLEARLY MARKED ON THE RECORD DRAWINGS.
12. ALL WIRES SHALL BE COLOR CODED AND SHALL BE CONNECTED IN A UNIFORM MANNER. TRANSPOSING OR CHANGING OF COLOR CODES SHALL NOT BE PERMITTED. WIRE AND CABLE SIZES, NUMBER OF CONDUCTORS, SHIELDING OR OTHER ITEMS LISTED ON THESE DRAWINGS ARE A GUIDE TO THE CORRECT PRODUCT REQUIRED TO ACHIEVE A WORKING SYSTEM AND REPRESENT THE MINIMUM ACCEPTABLE STANDARDS. CONTRACTOR SHALL CONSULT MANUFACTURER'S RECOMMENDATION FOR CABLING AND USE WHICHEVER IS GREATER IN QUALITY, QUANTITY, GAUGE, SHIELDING AND NUMBER OF CONDUCTORS.
13. ALL WIRING, INCLUDING SHIELDS, MUST BE FREE OF SHORTS, GROUNDS AND STRAY VOLTAGES. ALL EXPOSED SURFACE MOUNTED CABLE UNDER 12' A.F.F. SHALL BE IN CONDUIT WHERE INSTALLED IN AREAS WITHOUT CEILINGS.
14. ALL CABLE SHALL BE PLENUM RATED ON J-HOOKS. UNDER GROUND CABLE SHALL BE RATED FOR WET APPLICATIONS. ALL EXTERIOR CABLE SHALL BE IN CONDUIT.
15. A PRE-PRINTED VINYL MATERIAL MARKER WRAPPED IN ADHESIVE CLEAR PLASTIC SHALL BE PROVIDED TO THE FOLLOWING:
    A. CABLES WITHIN 6" UPON ENTRY AT ANY SECURITY PANEL, TERMINATION OR SPLICE BOX.
    B. ALL WIRE LEADS WITHIN 2" FROM ANY TERMINAL BLOCK.
    C. THE CONTRACTOR SHALL SUBMIT SAMPLES OF MARKERS AND ANY NUMBERING OR MARKING SYSTEM FOR REVIEW PRIOR TO IMPLEMENTATION
16. EMERGENCY POWER SYSTEM INCLUDING UPS WHERE AVAILABLE. ALL CONDUCTORS AND CIRCUIT BREAKERS SHALL BE SIZED IN ACCORDANCE WITH THEIR CONNECTED LOADS (20 AMP MINIMUM). ALL CIRCUITS SHALL BE DEDICATED. A GROUND CONDUCTOR SHALL ALWAYS BE INSTALLED IN ANY POWER WIRING. ALL SECURITY EQUIPMENT UTILIZING ELECTRICAL POWER SHALL ALSO BE ADEQUATELY GROUNDED.
17. WHERE A NEW CIRCUIT FOR SECURITY IS TAKEN FROM A PANEL BOARD UTILIZED FOR OTHER ELECTRICAL PURPOSES, THE BRANCH CIRCUIT BREAKER FOR SECURITY EQUIPMENT SHALL BE CLEARLY LABELED TO PREVENT ANY ACCIDENTAL SWITCH-OFF. NO SECURITY CIRCUIT IS TO BE SHARED WITH NON SECURITY EQUIPMENT UNLESS OTHERWISE NOTED ON THE DRAWINGS.
18. THE CONTRACTOR SHALL PROPERLY SEAL ALL CONDUIT OR SLEEVE PENETRATIONS THROUGH ALL WALLS, FLOORS AND CEILINGS USING APPROVED FIRE STOPPING MATERIALS AND SEALANTS REGARDLESS OF RATING AND AS PER APPLICABLE BUILDING CODES. MAINTAIN FIRE RATING OF ALL RATED ASSEMBLIES.
19. ALL ROUTING OF WIRING AND ANY RELATED CONDUIT IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING PRIOR TO INSTALLATION.
20. PROVIDE PULL STRINGS IN ALL CONDUITS. PROVIDE BLANK COVERS ON ALL JUNCTION AND PULL BOXES.
21. ALL CONDUITS AND CABLE PATHS SHALL RUN PARALLEL WITH OR AT RIGHT ANGLES TO THE WALLS. IF MORE THAN THREE 90 DEGREE BENDS ARE TO BE USED IN THE CONDUIT RUN, INSERT A PULL BOX. CONTRACTOR SHALL SIZE THE BOX ACCORDINGLY. CONDUITS SHALL BE SIZED AS INDICATED ON THE DRAWINGS OR LARGER AS REQUIRED TO COMPLY WITH CODE. MINIMUM ALLOWABLE CONDUIT SIZE SHALL BE 3/4". IN CITY FACILITIES UTILIZE FLEX WHERE PERMITTED.
22. THE CONTRACTOR SHALL CLEAN AND THOROUGHLY CHECK ALL INSTALLED WORK PRIOR TO CONCEALING OF ARCHITECTURAL FINISHING. CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION. THE CONTRACTOR SHALL ALSO REPAIR OR CLEAN ALL SOILED SURFACES, PAINTED SURFACES OR DAMAGED ARCHITECTURAL FINISHES TO MATCH THE ADJACENT AREA. WHERE REQUIRED, CLEANING, PATCHING OR PAINTING TO BRING THE AFFECTED SURFACE OR FINISH BACK TO ITS ORIGINAL CONDITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
23. ALL SECURITY DEVICES AND EQUIPMENT SHALL BE INSTALLED WITH CONSIDERATION TO BARRIER FREE ACCESSIBILITY.
24. WHERE THE CONTRACTOR HAS TO CHANGE ANY DEVICE TYPE OR MOUNTING TO SUIT ACTUAL CONDITIONS, THIS SHALL BE DONE WITHOUT EXTRA COST TO THE OWNER. THIS INCLUDES ANY ADDITIONAL PARTS TO BE SUPPLIED BY THE CONTRACTOR TO ACCOMPLISH PROPER MOUNTING OF A HOWEVER, IT SHALL BE REQUESTED, SUBMITTED AND APPROVED IN WRITING BEFORE COMMENCING THE WORK.
25. COORDINATE ALL TELEPHONE AND NETWORK INSTALLATION AND CONNECTION REQUIREMENTS WITH THE OWNERS IT DEPARTMENT REPRESENTATIVE AND THE GENERAL CONTRACTOR.
26. THE CONTRACTOR SHALL UNDERTAKE THIS WORK IN ITS ENTIRETY IN ACCORDANCE WITH ITS DESIGN AND PURPOSE. ALL WORK SHALL BE CARRIED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY AND EXCELLENT WORKMANSHIP.
27. THE CONTRACTOR SHALL INCLUDE ANY COORDINATION, RELAYS, TIMERS, NETWORK CARDS, TERMINAL STRIPS, ETC., REQUIRED FOR A COMPLETELY FUNCTIONAL INTERFACE WITH ELEVATOR CONTROLLERS, FIRE ALARM SYSTEMS, DOOR HARDWARE AND AUTOMATIC DOOR OPERATORS, WHICH EVER IS APPLICABLE.
28. ALL EXIT DOORS TO REMAIN FREE OPENING FROM EXIT SIDE. U. O. N.
29. IN THE EVENT OF A DISCREPANCY BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, WHICHEVER IS MORE STRINGENT OR CALLS FOR THE HIGHEST QUANTITY OR QUALITY OF MATERIALS HAS PRECEDENCE.
30. THE USE OF THE WORD "PROVIDE" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN THAT SUCH SHALL BE FURNISHED, INSTALLED AND CONNECTED, WHERE SO REQUIRED, EXCEPT AS NOTED OTHERWISE.
31. PRIOR TO SUBMITTAL OF BID, NOTIFY, IN WRITING, SPECIFIED MATERIALS OR EQUIPMENT WHICH ARE EITHER UNAVAILABLE OR WILL CAUSE A DELAY IN CONSTRUCTION COMPLETION SCHEDULE.
32. SEE ARCHITECTURAL PLAN FOR EXITING.
33. SEE TELECOM PLANS FOR J-HOOK DETAILS AND ROUTING.
34. ELECTRICAL CIRCUITS SHOWN IN THIS SET ARE FOR REFERENCE ONLY AND PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE ELECTRICAL SHEETS FOR CIRCUIT NUMBERS, CIRCUITING AND PANEL LOCATIONS.
35. WHERE CONCRETE FLOORS ARE TO BE CORED, AN X-RAY MACHINE SHALL BE USED TO INSURE THAT NO STRUCTURAL ELEMENTS (E.G. BEAMS, REBAR AND POST-TENSION CABLES) WILL BE COMPROMISED OR DAMAGED.
36. PENETRATIONS THROUGH THE FIRE RATED FLOORS AND WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CBC SECTIONS 709.6 AND 710.1. SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND APPROVED LISTING. MANUFACTURER'S INSTALLATION INSTRUCTIONS AND APPROVED LISTINGS SHALL BE PROVIDED FOR REVIEW BY INSPECTION AUTHORITIES. SUBSTITUTIONS OF OR REVISIONS OR ADDITIONS TO APPROVED SYSTEMS SHALL BE SUBMITTED TO THE FIRE MARSHAL (IF REQUIRED) AND THE INSPECTOR OF RECORD FOR REVIEW AND APPROVAL. REFER TO DETAILS FOR FLOOR AND WALL PENETRATION DETAILS.

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THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: SECURITY ELECTRONICS SYMBOLS LEGEND AND SHEET INDEX

Arch.\Engr. KY	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: As indicated	SE0-00
Designed By: ES	Issue Date: 06/12/2024	
Drawn By: MS	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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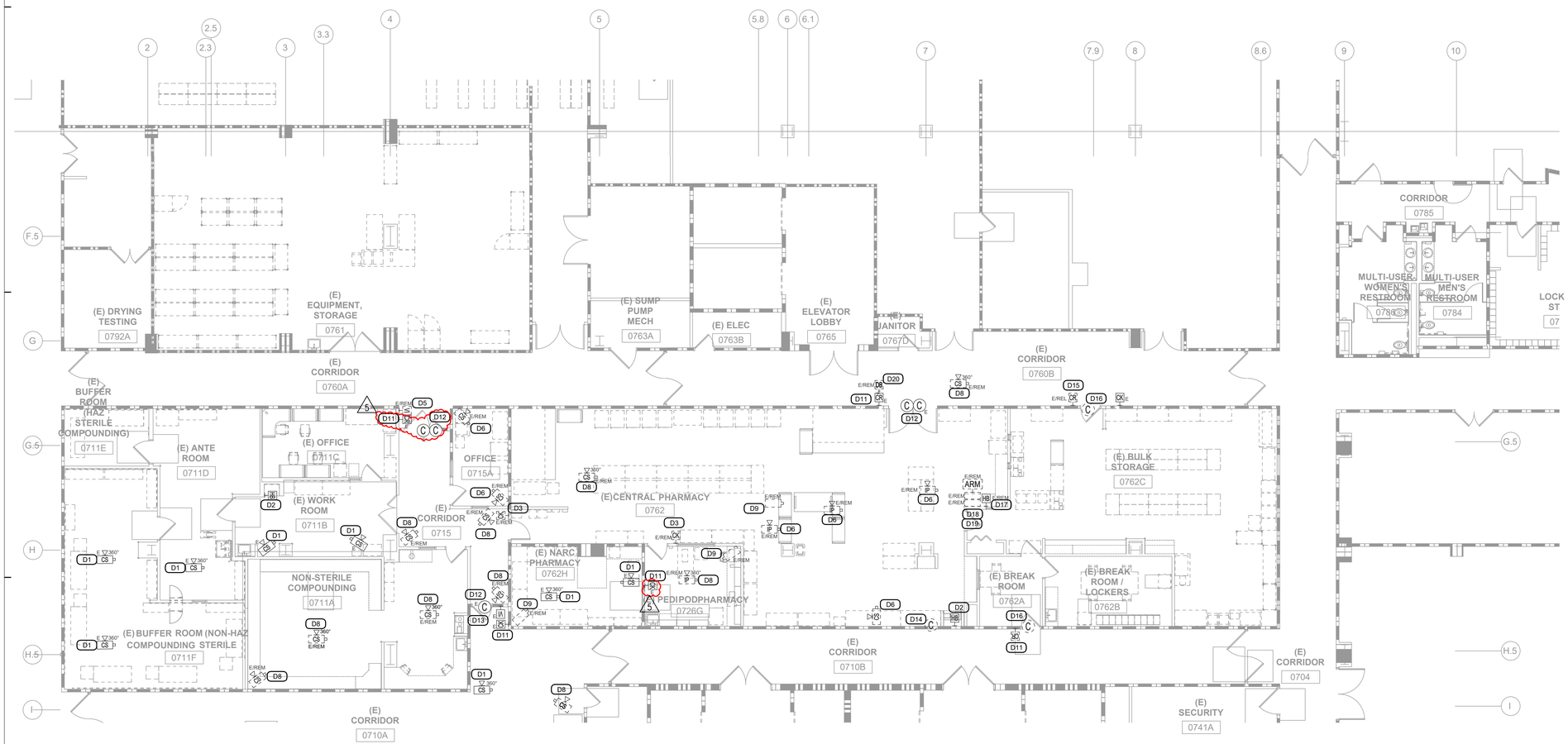

1 SECURITY ELECTRONICS ENLARGED BASEMENT DEMO FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES

1. COORDINATE ALL DEMO WITH THE OWNER'S REP.
2. PRESERVE ALL HISTORICAL VIDEO BY MARKING DEVICES OFF LINE

KEYNOTES D#

- D1 EXISTING CAMERA TO REMAIN; SHOWN FOR REFERENCE ONLY NO WORK REQUIRED.
- D2 EXISTING HELP BUTTON TO REMAIN SHOWN FOR REFERENCE ONLY.
- D3 EXISTING CARD READER TO BE REMOVED. REMOVE ALL DEVICES, RETURN TO THE OWNER AND REMOVE ALL CABLING FROM THE FIELD POINT TO THE CONTROL POINT. MARK DEVICES OFF LINE DO NOT DELETE THEM TO PRESERVE THE HISTORICAL RECORD OF DEVICE.
- D4 REMOVE EXISTING INTRUSION WIRING FROM THE FIELD POINT TO THE CONTROL PANEL. MODIFY PROGRAMMING TO REMOVE THE POINT FROM THE POINT LIST.
- D5 EXISTING INTERCOM TO BE REMOVED. REMOVE THE DEVICE AND CABLING FROM THE FIELD POINT TO THE MASTER INTERCOM STATION.
- D6 EXISTING CAMERA TO BE REMOVED AND RETURNED TO THE OWNER. CAMERAS WHICH ARE 2MP AXIS P3265 CAN BE REUSED AT SINGLE LENS CAMERA LOCATIONS SHOWN ON THE NEW PLAN. REMOVE NETWORK CABLING FROM THE SWITCH TO THE FIELD POINT.
- D8 EXISTING CAMERA TO BE REMOVE AND RETURNED TO THE OWNER. REMOVE NETWORK CABLING FROM THE SWITCH TO THE FIELD POINT.
- D9 EXISTING ANALOG CAMERA TO BE REMOVED. REMOVE THE DEVICE AND ALL CABLING FROM THE FIELD POINT TO THE CONTROL POINT. PATCH CEILINGS AND REPLACE CEILING TILES AS NEEDED TO MAINTAIN RATINGS AND CEILING INTEGRITY.
- D11 EXISTING CARD READER TO REMAIN, SHOWN FOR REFERENCE ONLY.
- D12 EXISTING INTRUSION POINT TO REMAIN, SHOWN FOR REFERENCE ONLY.
- D13 EXISTING INTERCOM TO REMAIN, SHOWN FOR REFERENCE ONLY.
- D14 EXISTING ALARM CONTACT AT PICK UP WINDOW TO BE REMOVED.
- D15 EXISTING CARD READER TO BE RELOCATED TO ALLOW FOR ADJUSTMENTS AT THE NEW DOOR OPENING.
- D16 EXISTING INTRUSION ALARM POINT TO BE REMOVED AND RECONFIGURED.
- D17 EXISTING HELP BUTTON TO BE REMOVED. REMOVE EXISTING INTRUSION WIRING FROM THE FIELD POINT TO THE CONTROL PANEL. MODIFY PROGRAMMING TO REMOVE THE POINT FROM THE POINT LIST.
- D18 EXISTING SECURITY CONTROL EQUIPMENT TO BE REMOVED. EQUIPMENT TO REMAIN UNTIL THE NEW CONTROL EQUIPMENT IS INSTALLED AND FULLY OPERATIONAL AND EXISTING SYSTEMS HAVE BEEN MIGRATED TO THE NEW CONTROL PANEL INFRASTRUCTURE.
- D19 INSTALL NEW LNL-X2220 CONTROLLER WITH IP CONNECTION IN THE PUMP ROOM AND ON L6 TO ELIMINATE THE COMM LOOP CURRENTLY RUNNING THROUGH THE EQUIPMENT IN THE PHARMACY ENCLOSURE.
- D20 EXISTING DOOR BELL TO BE REMOVED, REMOVE THE DEVICE AND ALL WALL MOUNTED DOOR SOUNDERS LOCATED THROUGHOUT THE PHARMACY.
- D21 EXISTING COMM LOOP TO BE REMOVED ONCE THE NEW CONTROLLERS ARE INSTALLED AND FULLY OPERATIONAL

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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THIS ISSUE:	ISSUED FOR	Date
2	OWNER REVISIONS	09/16/2024
5	SCOPE REDUCTIONS	07/07/2025

100% CONSTRUCTION DOCUMENTS

Account No.: UCDH PROJECT No. 9558070 SUB 05
HCAI No.:
Bldg. No.:
Floor/Wing:
Project: CANCER CENTER INFUSION PHARMACY UPDATE
Sheet Title: SECURITY ELECTRONICS ENLARGED BASEMENT DEMO FLOOR PLAN

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. SE1-00
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: ES	Issue Date: 08/29/2023	
Drawn By: MS	Revit Version: 2023	

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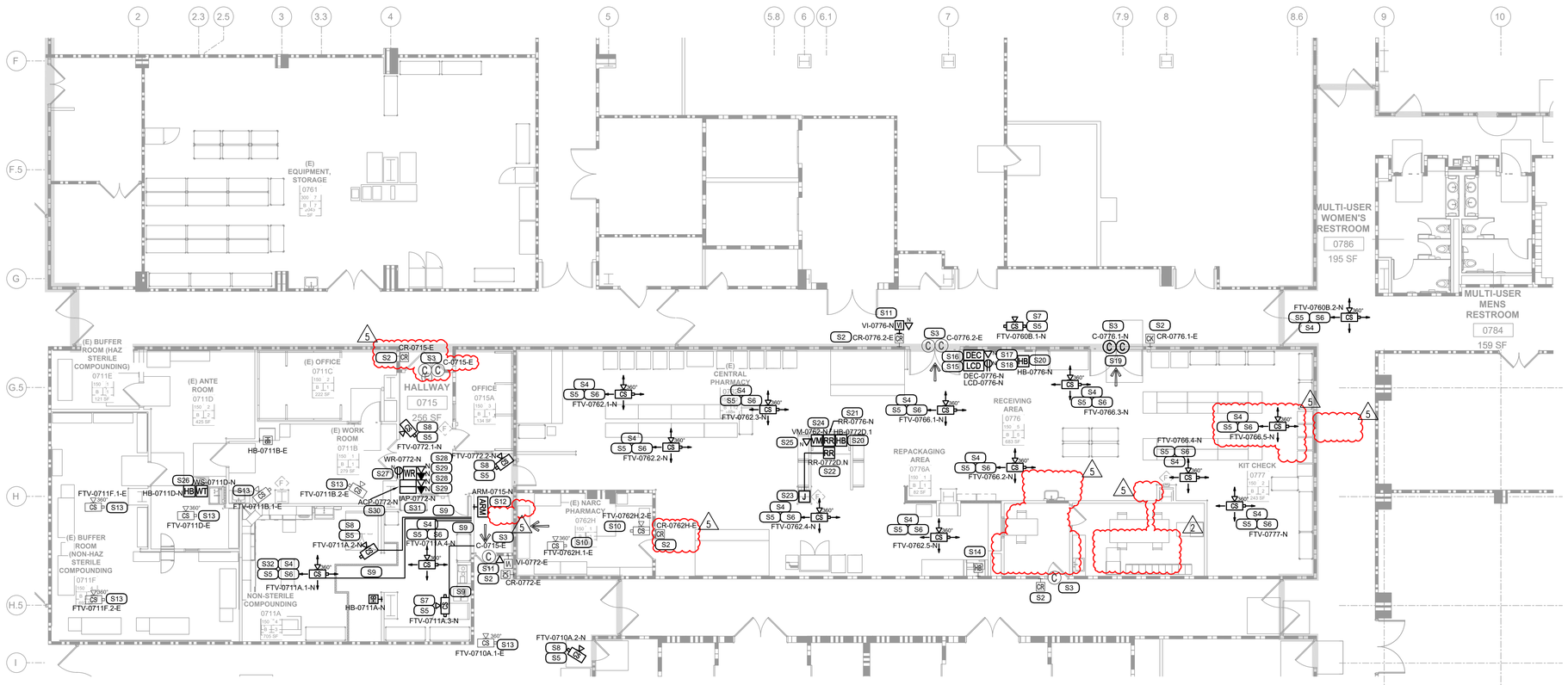

1 SECURITY ELECTRONICS ENLARGED BASEMENT PROPOSED FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES

1. REVIEW SPECIFICATION SECTIONS 280000, 281000 & 282000 FOR THE COMPLETE SCOPE OF WORK AND REQUIREMENTS SHOWN HERE ON THE PLANS.
2. WHERE CARD READERS ARE MOUNTED ON THE STRIKE SIDE OF THE DOOR WHERE THE DOOR OPENS IN, CARD READERS SHALL BE INSTALLED NO LESS THAN 12"FROM THE STRIKE SIDE JAMB.
3. WHERE CARD READERS ARE MOUNTED ON DOORS THAT SWING OUT TOWARD THE READER ENSURE SECURITY DEVICES ARE OUT OF THE SWING PATH OF THE DOOR AND DO NOT INTERFERE WITH BODY SENSORS ON DOORS WITH OPERATORS.
4. WHERE CARD READERS ARE INSTALLED ON DOORS WITH OPERATORS ENSURE THEY ARE PLACED OUT OF THE RANGE OF ANY BODY SENSORS.
5. CARD READER DEVICES MAY USE SHALLOW 4S BOXES TO MAINTAIN DISTANCES FROM THE LATCH SIDE OF THE JAM WHERE THEY BACK TO IN WALL BOXES ON THE INSIDE OF THE ROOM.
6. CONDUIT FOR DATA CABLE TO SECURITY DEVICE MIN 1.25 INCH.
7. CONDUIT FOR SECURITY DEVICES MIN 3/4 INCH. SMALLER CONDUIT MAY BE USED AT THE FINAL CONNECTION BETWEEN THE MAIN RUN AND FRAME BOX TERMINATION DUE TO THE SIZE OF THE KO AT THE FRAME BOX OR DUE TO STUD SPACING AT THE KING STUD OR BOX HEADERS.
8. CAMERA OUTERMOST EDGE TO MAINTAIN 2 FOOT CLEARANCE FROM FIRE SPRINKLER HEADS.

KEYNOTES S#

- S1 PROVIDE AND INSTALL OSDP SWITCH PLATE CARD READER WITH KEYPAD. REQUEST TO EXIT WITH MONTING PLATE, NORMALLY CLOSED ALARM SINGLE CONNECTION ALARM CONTACTS AND WIRE TO THE ACP AS SHOWN ON THE DRAWINGS. CONNECT TO ELECTRIFIED HARDWARE AS PROVIDED BY THE HARDWARE CONTRACTOR. PROGRAM THE READER ON THE EXISTING LENEL SERVER.
- S2 EXISTING CARD READER TO BE REWIRED TO THE NEW SECUIRTY CONTROL PANEL AS SHOWN ON ON THE PLANS.
- S3 WIRE THE EXISTING ALARM CONTACTS AT THE OPENING TO THE NEW INTRUSION CONTROL PANEL AS SHOWN ON THE DRAWINGS.
- S4 PROVIDE AND INSTALL AXIS MULTISENSOR CAMERA. CONNECT THE CAMERA TO AN OWNER PROVIDED NETWORK ADDRESS AND PROGRAM PER OWNER BANDWIDTH REQUIREMENTS TO RECORD ON THE NVR. PROVIDE FOUR CHANNEL LICENSES ON THE SERVER FOR EACH MULTISENSOR CAMERA RECORDED.
- S5 PROVIDE AND INSTALL NETWORK CONNECTION WITH STATIC IP ADDRESS CONNECTED TO A POE SWITCH.
- S6 PROVIDE A RELAXED PORT TO ALLOW MULTIPLE MACS TO TRANSMIT OVER A SINGLE IP ADDRESS AS REQUIRED.
- S7 PROVIDE AND INSTALL AXIS DUALSENSOR CAMERA. CONNECT THE CAMERA TO AN OWNER PROVIDED NETWORK ADDRESS AND PROGRAM PER OWNER BANDWIDTH REQUIREMENTS TO RECORD ON THE NVR. PROVIDE TWO CHANNEL LICENSES ON THE SERVER FOR EACH MULTISENSOR CAMERA RECORDED.
- S8 PROVIDE AND INSTALL AXIS SINGLE SENSOR CAMERA. CONNECT THE CAMERA TO AN OWNER PROVIDED NETWORK ADDRESS AND PROGRAM PER OWNER BANDWIDTH REQUIREMENTS TO RECORD ON THE NVR. PROVIDE ONE CHANNEL LICENSE ON THE SERVER FOR EACH MULTISENSOR CAMERA RECORDED.
- S9 PROVIDE 1" CONDUIT FROM THE BOX TO THE ACCESSIBLE CEILING. LABEL THE CONDUIT WITH THE DEVICE SERVED.
- S10 PROVIDE AND INSTALL NETWORK CONNECTION WITH STATIC IP ADDRESS CONNECTED TO A POE SWITCH FOR THE EXISTING CAMERA. CABLE TO REPLACE THE EXISTING CONNECTION WHICH SHALL BE REMOVED.
- S11 PROVIDE AND INSTALL NETWORK CONNECTION WITH STATIC IP ADDRESS CONNECTED TO A POE SWITCH FOR THE EXISTING INTERCOM. CABLE TO REPLACE THE EXISTING CONNECTION WHICH SHALL BE REMOVED.
- S12 NEW BOSCH INTRUSION ALARM ARMING STATION TO BE WIRED TO THE NEW INTRUSION CONTROL PANEL.
- S13 EXISTING CAMERA NO WORK REQUIRED.
- S14 WIRE THE EXISTING HELP BUTTON TO THE NEW INTRUSION CONTROL PANEL AS SHOWN ON THE DRAWINGS.
- S15 PROVIDE A 24" LCD MONITOR AND WALL MOUNT ARM.
- S16 PROVIDE A SINGLE VIEW AXIS DECODER TO DISPLAY FTV 0760B.1 ON THE ASSOCIATED SCREEN. SECURE THE DECODER TO THE BACK OF THE MONITOR USING A LONGER SCREW INTO THE VESA MOUNTING HOLD FOR THE ARM. PROVIDE A 2' HDMI PATCH CORD FROM THE DECODER TO THE MONITOR. POWER THE DECODER FROM THE NETWORK CONNECTION. LABEL THE DECODER WITH THE IP ADDRESS ASSIGNED TO THE DEVICE.
- S17 PROVIDE AND INSTALL NETWORK CONNECTION WITH STATIC IP ADDRESS CONNECTED TO A POE SWITCH.
- S18 PROVIDE POWER FOR THE SECURITY MONITOR, POWER DRAW IS LESS THAN 1 AMP.
- S19 REPLACE EXISTING CONTACTS WITH NEW DPDT ALARM CONTACTS WIRED TO THE DOOR CONTROLLER AND AS A POINT ON THE INTRUSION ALARM PANEL.
- S20 NEW HELP BUTTON WIRED TO THE INTRUSION ALARM SYSTEM.
- S21 NEW REMOTE RELEASE WIRED TO THE ACCESS CONTROL PANEL SET TO FIRE THE LOCK RELAY AT CARD READER 0776.2 VIA A SOFTWARE COMMAND WHEN THE BUTTON IS PRESSED.
- S22 NEW REMOTE RELEASE WIRED TO THE ACCESS CONTROL PANEL SET TO FIRE THE LOCK RELAY AT CARD READER 0772.2 VIA A SOFTWARE COMMAND WHEN THE BUTTON IS PRESSED.
- S23 4S BOX IN THE COLUMN WITH PLATE FOR ROUTING OF SECURITY WIRING TO THE DESK. PROVIDE 1" C TO ACCESSIBLE CEILING.
- S24 NEW IP AIPHONE INTERCOM WIRED TO THE NETWORK AND CONNECTED TO THE TWO ENTRY STATION AS SHOWN ON THE PLANS. CONFIGURE THE DEVICE FOR 2WAY AUDIO AND VIDEO COMMUNICATIONS.
- S25 NEW NETWORK CONNECTION OF THE INTERCOM MASTER STATION.
- S26 NEW WIRELESS HELP BUTTON AND WIRELESS INNOVINICS TRANSMITTER ATTACHED TO A 1 INCH THICK BY 12" LONG BY 6" WIDE PIECE OF WHITE LEXAN LOCATED ON THE WORK BENCH.
- S27 POWER FOR NEW SECURITY EQUIPMENT INSTALL PER THE PROJECT DETAILS POWER DRAW IS LESS THAN 7 AMPS.
- S28 NEW NETWORK CONNECTIONS FOR THE INTRUSION ALARM AND ACCESS CONTROL PANEL.
- S29 NEW POTS TELEPHONE LINE FOR ALARM PANEL COMMUNICATIONS.
- S30 PROVIDE NEW E4 LIFE SAFTEY POWER ENCLOSURE WITH FRO 75 POWER SUPPLIES AND POWER LIMITED 8 POSITION POWER DISTRIBUTION BOARDS. PROVIDE ONE 24V DISTRIBUTION AND 2 12V DISTRIBUTION BOARDS. PROVIDE NEW LNL-X2220 CONTROLER AND LNL-1320V3 TO SUPPORT ALL THE DEVICES AS SHOWN ON THE PLANS.
- S31 PROVIDE AND INSTALL NEW BOSCH INTRSUION ALARM PANEL, NETWORK CARD, PHONE DIALER, INPUTS BOARDS, INNVONICS WIRELESS RECEIVER ENCLSOURE. BATTERY AND POWER SUPPLY FOR A FULLY FUNCTIONAL ALARM SYSTEM INEGRATED WITH THE OWNER EXISTING MONTIORING AND CONTROL PLATFORM.
- S32 PROVIDE AXIS ACCESSORY TRIM RING TO REPLACE THE SUPPLIED VENT RING.

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
2	OWNER REVISIONS	09/16/2024
5	SCOPE REDUCTIONS	07/07/2025

100% CONSTRUCTION DOCUMENTS

Account No.: UCDH PROJECT No. 9558070 SUB 05
HCAI No.:
Bldg. No.:
Floor/Wing:
Project: CANCER CENTER INFUSION PHARMACY UPDATE
Sheet Title: SECURITY ELECTRONICS ENLARGED BASEMENT PROPOSED FLOOR PLAN

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. SE1-01
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: ES	Issue Date: 08/29/2023	
Drawn By: MS	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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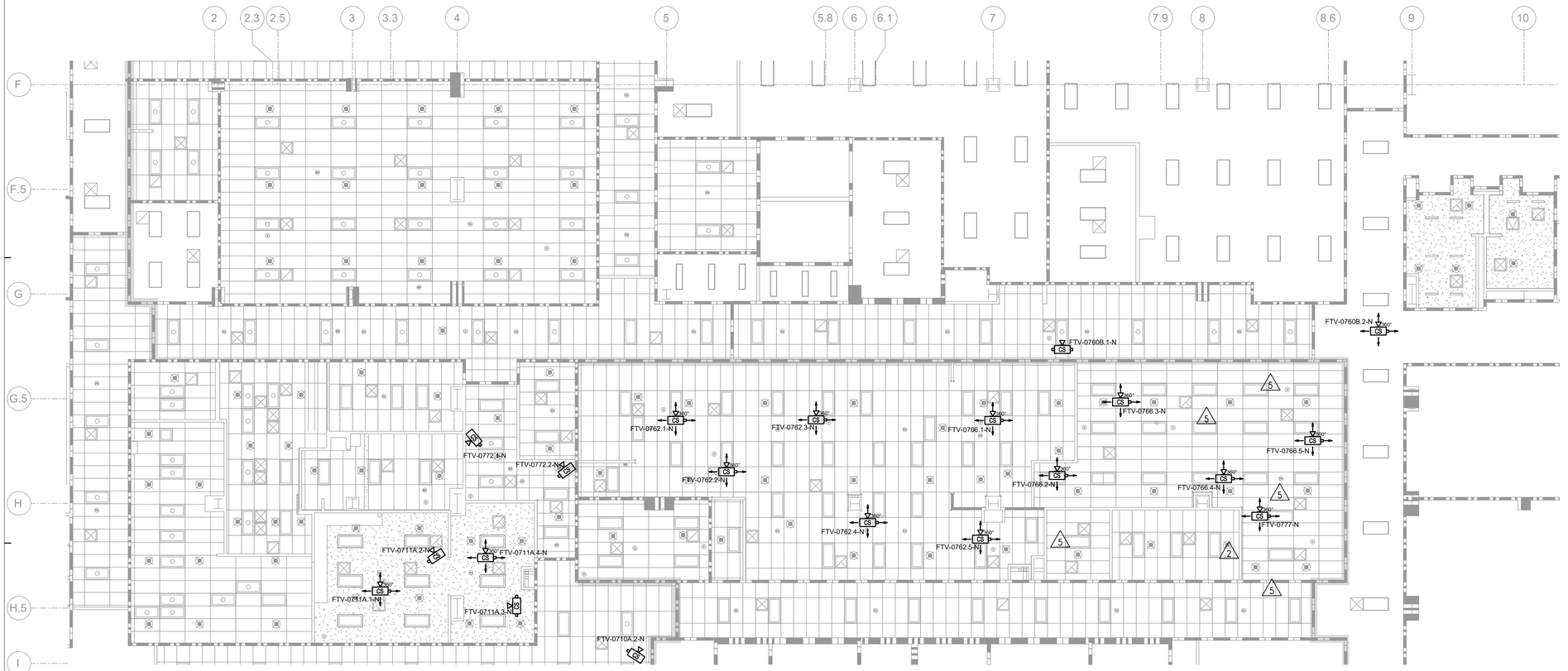

1 SECURITY ELECTRONICS ENLARGED BASEMENT PROPOSED REFLECTED CEILING PLAN
1/8" = 1'-0"

GENERAL NOTES

6

KEYNOTES

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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Account No.: 9558910
HCAI Wo: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing:
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: SECURITY ELECTRONICS ENLARGED BASEMENT PROPOSED REFLECTIVE CEILING PLAN

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. SE1-02
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: ES	Issue Date: 08/29/2023	
Drawn By: MS	Revit Version: 2023	

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SECURITY DEVICE READER SCHEDULE

DEVICE ID	LENEL NAME	DETAIL	PANEL	WIRING TYPE	RELOCK ON OPEN	24VDC FAIL SECURE	INTERFACE WITH	COMMENTS
LOWER LEVEL FLOOR PLAN								
CR-0762A-N		3 / SE4.01	ACP-0772-N	E	YES	YES		
CR-0762H-N		2 / SE4.01	ACP-0772-N	E	YES	YES		
2								
LOWER LEVEL FLOOR PLAN: 2								

SECURITY DEVICE INPUT SCHEDULE

DEVICE ID	PROGRAMMING NAME	DETAIL	PANEL	WIRING TYPE	NC INPUT SUPERVISED	COMMENTS
LOWER LEVEL FLOOR PLAN						
HB-0762D-N		5 / SE4.01	IAP-0772-N	D	YES	
HB-0711A-N		4 / SE4.01	IAP-0772-N	D	YES	
ARM-0715-N		6 / SE4.01	IAP-0772-N	G	YES	
C-0776.1-N		3 / SE4.01	IAP-0772-N	D	YES	
C-0715-E		2 / SE4.01	IAP-0772-N	E	YES	
C-0776.2-E		3 / SE4.01	IAP-0772-N	E	YES	
HB-0711D-N		N/A	IAP-0772-N	D	YES	
RR-0772D.1		4 / SE4.03	IAP-0772-N	D	YES	
RR-0772D.2		4 / SE4.03	IAP-0772-N	D	YES	
5 HB-0776-N		N/A	IAP-0772-N	D	YES	
HB-0776-N		N/A	IAP-0752-N	D	YES	

SECURITY EQUIPMENT SCHEDULE

PANEL NAME	LOCATION	DETAIL	WIRING TYPE	MAC ADDRESS	IP ADDRESS	SWITCH	PORT	TR #	COMMENTS
LOWER LEVEL FLOOR PLAN									
ACP-0772-N	HALLWAY 0715	1 / SE4.01	C						
IAP-0772-N	HALLWAY 0715	1 / SE4.01	C						

WIRING TYPE

A	1 - #22/4 & 1 - #18/2
B	1 - NETWORK CONNECTION POE
C	1 - NETWORK CONNECTION
D	1 - #18/2
E	1 - #22/2PTS OSDP, 3 - #18/2, 1 -#22/6
F	2 - #18/2
G	1 - #22/4

SECURITY EQUIPMENT SCHEDULE

DEVICE ID	LENEL NAME	DETAIL	POE POWER BUDGET	VIDEO CALLUP	INITIATING POINT	RECORDER	WIRING TYPE	MAC ADDRESS	IP ADDRESS	SWITCH	PORT	TR #	TYPICAL COMMENTS	COMMENTS
LOWER LEVEL FLOOR PLAN														
FTV-0710A.2-N		1 / SE4.01	8.9W	NO			B							
FTV-0711A.1-N V1		5 / SE4.02	23.15W	NO			B							
FTV-0711A.1-N V2														
FTV-0711A.1-N V3														
FTV-0711A.1-N V4														
FTV-0711A.2-N		4 / SE4.02	8.9W	NO			B							
FTV-0711A.3-N V1		5 / SE4.03	17.5W	NO			B							
FTV-0711A.4-N V2														
FTV-0711A.4-N V1		5 / SE4.02	23.15W	NO			B							
FTV-0711A.4-N V2														
FTV-0711A.4-N V3														
FTV-0711A.4-N V4														
FTV-0760B.1-N V1		2 / SE4.02	17.5W	NO			B							
FTV-0760B.1-N V2														
FTV-0760B.2-N V1		3 / SE4.02	23.15W	NO			B							
FTV-0760B.2-N V2														
FTV-0760B.2-N V3														
FTV-0760B.2-N V4														
FTV-0762.1-N V1		3 / SE4.02	23.15W	NO			B							
FTV-0762.1-N V2														
FTV-0762.1-N V3														
FTV-0762.1-N V4														
FTV-0762.2-N V1		3 / SE4.02	23.15W	NO			B							
FTV-0762.2-N V2														
FTV-0762.2-N V3														
FTV-0762.2-N V4														
FTV-0762.3-N V1		3 / SE4.02	23.15W	NO			B							
FTV-0762.3-N V2														
FTV-0762.3-N V3														
FTV-0762.3-N V4														
FTV-0762.4-N V1		3 / SE4.02	23.15W	NO			B							
FTV-0762.4-N V2														
FTV-0762.4-N V3														
FTV-0762.4-N V4														
FTV-0762.5-N V1		3 / SE4.02	23.15W	NO			B							
FTV-0762.5-N V2														
FTV-0762.5-N V3														
FTV-0762.5-N V4														
FTV-0766.1-N V1		3 / SE4.02	23.15W	NO			B							
FTV-0766.1-N V2														
FTV-0766.1-N V3														
FTV-0766.1-N V4														
FTV-0766.2-N V1		3 / SE4.02	23.15W	NO			B							
FTV-0766.2-N V2														
FTV-0766.2-N V3														
FTV-0766.2-N V4														
FTV-0766.3-N V1		3 / SE4.02	23.15W	NO			B							
FTV-0766.3-N V2														
FTV-0766.3-N V3														
FTV-0766.3-N V4														
FTV-0766.4-N V1		3 / SE4.02	23.15W	NO			B							
FTV-0766.4-N V2														
FTV-0766.4-N V3														
FTV-0766.4-N V4														
FTV-0772.1-N		4 / SE4.02	8.9W	NO			B							
FTV-0772.2-N	5	4 / SE4.02	8.9W	NO			B							
FTV-0777-N V1		5 SE4.02	23.15W	NO			B							
FTV-0777-N V2														
FTV-0777-N V3														
FTV-0777-N V4														
FTV-0766.5-N V1		5 SE4.02	23.15W	NO			B							
FTV-0766.5-N V2														
FTV-0766.5-N V3														
FTV-0766.5-N V4														
84														

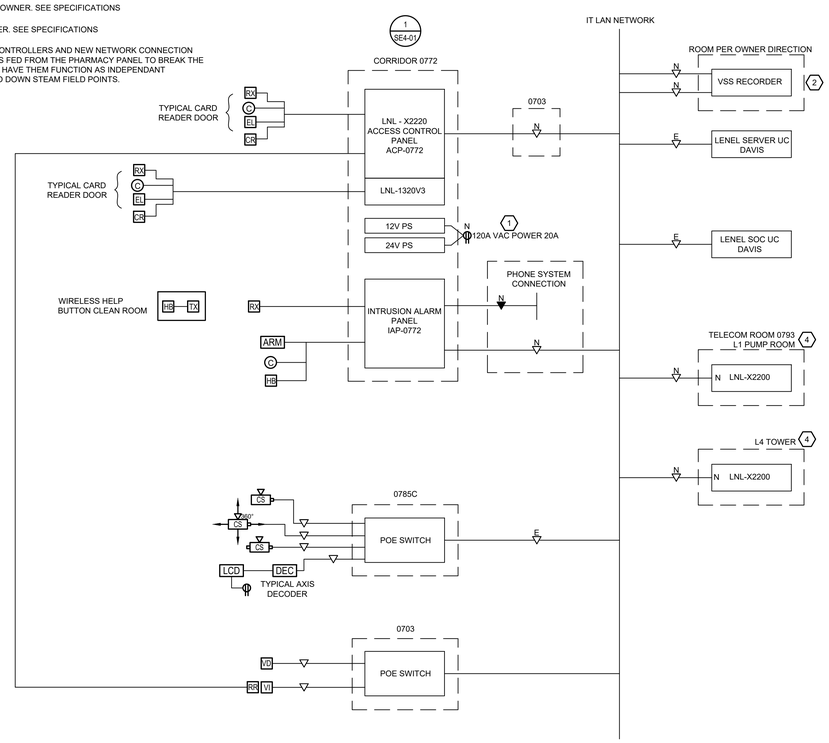
*POE BUDGET IS BASED ON THE UNITS MAX CONSUMPTION TYPICAL LEVELS WILL BE LOWER.

SECURITY DEVICE MISC SCHEDULE

DEVICE ID	PROGRAMMING NAME	DETAIL	COMMENTS
LOWER LEVEL FLOOR PLAN			
DEC-0776-N		B	3 / SE4.03
1			
LCD-0776-N		N/A	3 / SE4.03
1			
VI-0776-N		B	
1			
VM-0762-N		B	
1			
WR-0772-N			
1			
WS-0711D-N		B	
1			
LOWER LEVEL FLOOR PLAN: 6			

KEY NOTES:

1. SEE ELECTRICAL FOR PANEL LOCATIONS, ROUTING AND CIRCUIT NUMBERS
2. NETWORK RECORDERS BY OWNER. SEE SPECIFICATIONS
3. NETWORK PHONE BY OWNER. SEE SPECIFICATIONS
4. PROVIDE NEW LNL-X2200 CONTROLLERS AND NEW NETWORK CONNECTION AT EXISTING CONTROLLERS FED FROM THE PHARMACY PANEL TO BREAK THE EXISTING COMM LOOP AND HAVE THEM FUNCTION AS INDEPENDANT CONTROLLERS FOR UP AND DOWN STEAM FIELD POINTS.



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Office of Statewide Hospital Planning and Development
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Account No.: UCDH PROJECT No. 9558070 SUB 05
HCAI No.:
Bldg. No.:
Floor/Wing:
Project: CANCER CENTER INFUSION PHARMACY UPDATE
Sheet Title: SECURITY ELECTRONICS RISER AND SCHEDULES

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. SE3-01
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: ES	Issue Date: 08/29/2023	
Drawn By: MS	Revit Version: 2023	

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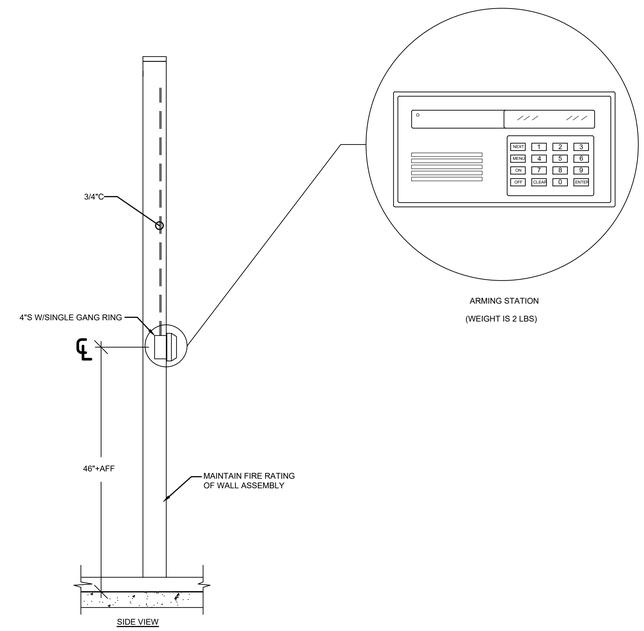
ARMING STATION WALL MOUNT

SCALE N.T.S. 6

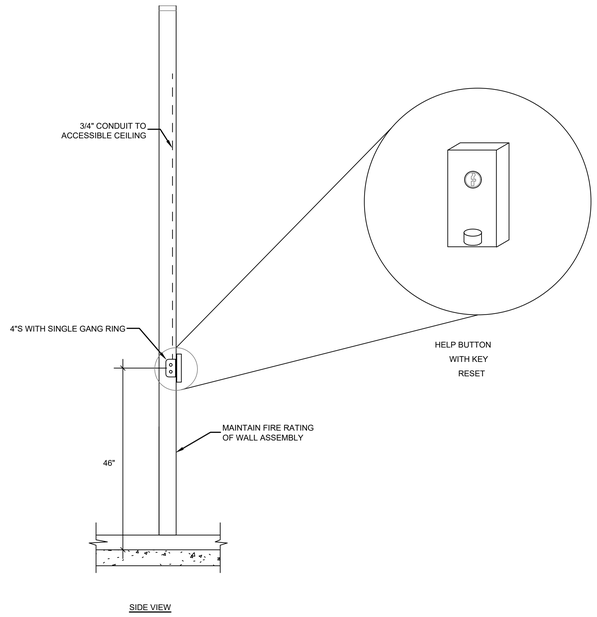


NOTES:

1. PROVIDE A BLANK STAINLESS STEEL COVER PLATE ON THE JUNCTION BOX WITH CENTER HOLE TO ROUTE CABLE TO THE BUTTON AND THEN ATTACH THE BUTTON THE PLATE.
2. PROVIDE EOL RESISTOR FOR A FULLY SUPERVISED CIRCUIT.

HELP BUTTON WALL MOUNT

SCALE N.T.S. 4



NOTES:

1. COORDINATE LOCKING HARDWARE PROVIDED UNDER OTHER SECTIONS WITH THE ELECTRONIC SECURITY DEVICES AND CONTROL PROVIDED HERE.
2. DETAILS ARE FOR REFERENCE ONLY. SEE FLOOR PLANS FOR LEFT OR RIGHT HAND PLACEMENT OF DEVICES.
3. FOR NEW DOORS, PREP THE FRAME AND DOOR FOR SECURITY DEVICES AT THE FACTORY BEFORE THE LABEL IS APPLIED. EXISTING DOORS SHALL BE RECERTIFIED AS REQUIRED.
4. SECURITY JUNCTION BOX SHALL BE TAMPERED, HINGED AND LOCKABLE.
5. PROVIDE A WIRE CHASE FROM THE JUNCTION BOX MOUNTED ON SECURE SIDE OF THE DOOR TO THE PUBLIC SIDE TO PROVIDE CABLE ACCESS TO THE WIRE PATH.
6. REX MOUNTED ON THE SECURE SIDE OF THE DOOR.
7. EGRESS DOOR SHALL BE READILY OPENABLE FROM THE EGRESS SIDE.
8. HIGHEST OPERABLE PART NOT ABOVE 48"AFF.

CARD READER - ELECTRIC LOCK

SCALE N.T.S. 2

NOTES:

1. COORDINATE LOCKING HARDWARE PROVIDED UNDER OTHER SECTIONS WITH THE ELECTRONIC SECURITY DEVICES AND CONTROL PROVIDED HERE.
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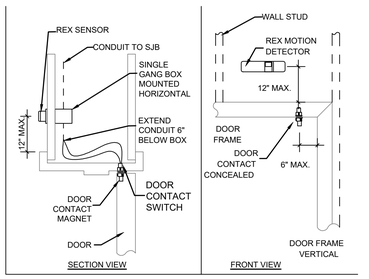
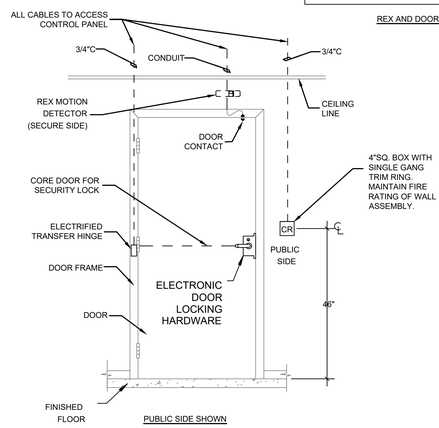


REX AND DOOR CONTACT ENLARGED DETAIL

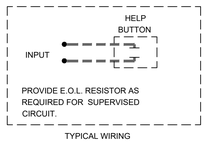


ARMING STATION WALL MOUNT

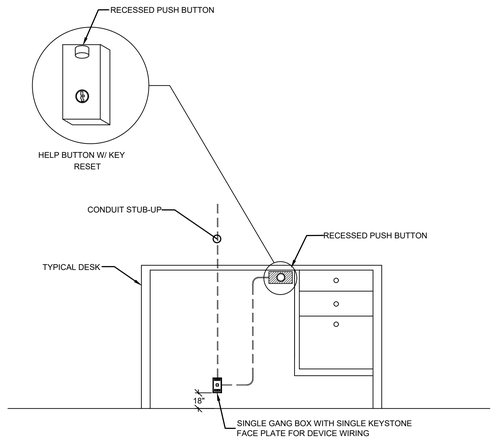
SCALE N.T.S. 6

NOTES:

1. IN MODULAR FURNITURE RUN CABLE INSIDE THE LOW VOLTAGE PATHWAY TO THE WALL BOX.
2. RUN EXPOSED CABLE IN ARMORCAST CABLE TO THE DEVICE WITH P-CLIPS ATTACHED TO THE WORK SURFACE.



TYPICAL WIRING



HELP BUTTON DESK MOUNTING DETAIL

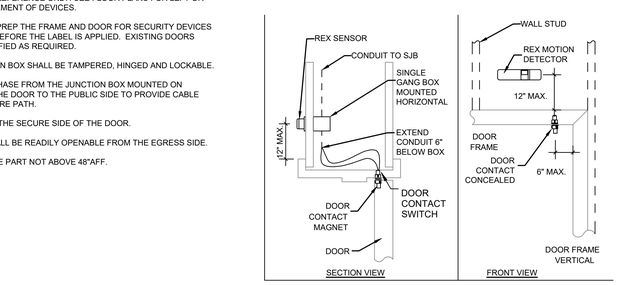
SCALE N.T.S. 5

CARD READER - ELECTRIC LOCK

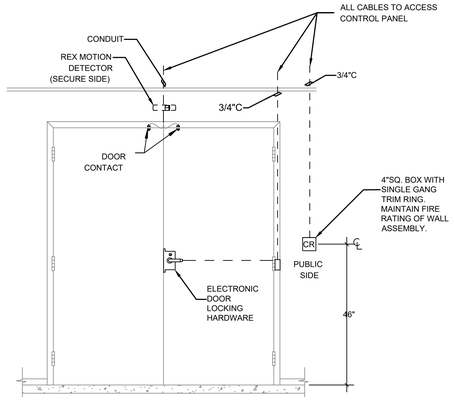
SCALE N.T.S. 3

NOTES:

1. DRYWALL TO BE REMOVED FOR SHEET METAL SHEETS TO BE ATTACHED TO BUILDING STUDS. DRYWALL TO BE RE-INSTALLED, PATCHED AND PAINTED AFTER INSTALLATION OF SHEET METAL IS COMPLETE.
2. ATTACH METAL BACKING PANEL TO EXISTING LG METAL STUDS PER MANUFACTURER REQUIREMENTS.
3. PANEL TO BE MOUNTED FLUSH TO DRYWALL, ATTACHED WITH #10 SHEET METAL SCREWS TO METAL BACKING PANEL INSIDE THE WALL. ATTACH CABINET TO WALL BACKING AT THE MANUFACTURER'S 4 PRE-MADE ATTACHMENT LOCATIONS.
4. CABINET PROTRUDES LESS THAN 4" FROM THE WALL.



REX AND DOOR CONTACT ENLARGED DETAIL

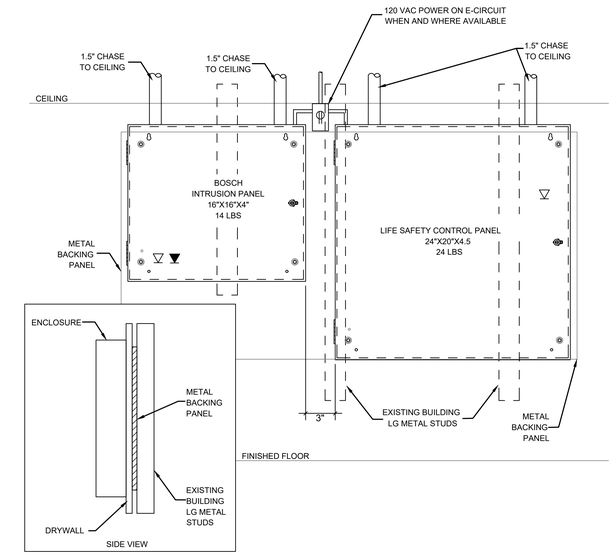


CARD READER - ELECTRIC LOCK

SCALE N.T.S. 4

NOTES:

1. TERMINATE POWER TO LIFE SAFETY POWER SUPPLY AS SHOWN. POWER SUPPLIES RESIDE INSIDE THE ENCLOSURE.
2. PROVIDE DUPLEX OUTLET AT 120VAC POWER JUNCTION BOX.
3. INSTALL ALARM TRANSFORMER AND COVER OVER FOR IAP AT RECEPTACLE.
4. DRYWALL TO BE REMOVED FOR SHEET METAL SHEETS TO BE ATTACHED TO BUILDING STUDS. DRYWALL TO BE RE-INSTALLED, PATCHED AND PAINTED AFTER INSTALLATION OF SHEET METAL IS COMPLETE.
5. ATTACH METAL BACKING PANEL TO EXISTING LG METAL STUDS PER MANUFACTURER REQUIREMENTS.
6. PANEL TO BE MOUNTED FLUSH TO DRYWALL, ATTACHED WITH #10 SHEET METAL SCREWS TO METAL BACKING PANEL INSIDE THE WALL. ATTACH CABINET TO WALL BACKING AT THE MANUFACTURER'S 4 PRE-MADE ATTACHMENT LOCATIONS.
7. CABINET PROTRUDES LESS THAN 4" FROM THE WALL.



ACCESS CONTROL PANEL AND INTRUSION PANEL

SCALE N.T.S. 1

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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HY ARCHITECTS PROJECT #: 5938

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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
FloorWing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: SECURITY ELECTRONICS DETAILS

Arch.\Engr. KY	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: As indicated	SE4-01
Designed By: ES	Issue Date: 06/12/2024	
Drawn By: MS	Revit Version: 2023	

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2/14/2024 8:42:58 AM

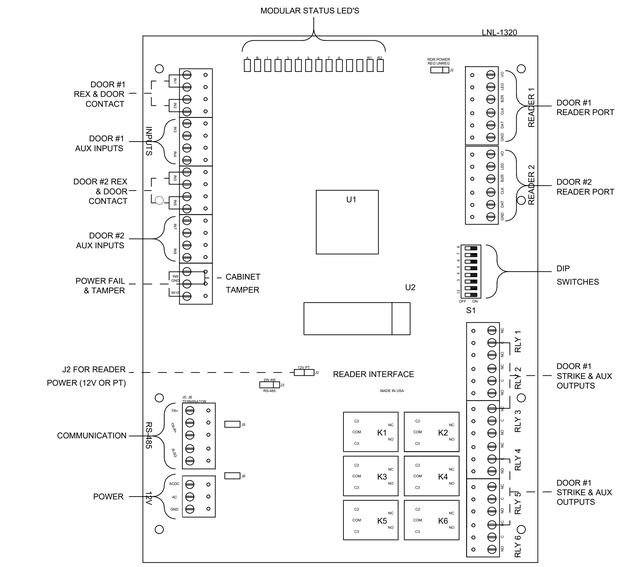
GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

DRI TERMINATION — SCALE N.T.S. — 6

GENERAL NOTES:

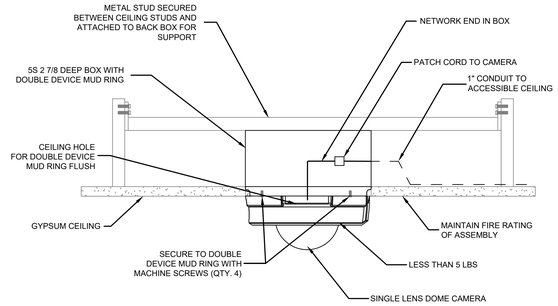
1. INSTALL LENEL LNL-1320 BOARD IN 12HX12WX4D SECURITY JUNCTION BOX IN ACCESSIBLE CEILING WITH LOCK AND TAMPER SWITCH.
2. SECURE LNL-1320 TO BACK PLANE WITH 4 PLASTIC STAND OFFS. (TYP 4)
3. DO NOT GROUND SHIELD AT SRI.
4. CONNECT DRI BOARD TO PHOENIX DIN RAIL BEFORE COMPLETING CONNECTIONS TO FIELD DEVICES.
5. SEE SPECIFICATIONS FOR REQUIRED EQUIPMENT IN DRI CAN AND FOR THE PHOENIX CONTACT BLOCK.
6. 22/4 SHIELDED TO BE RUN FROM DRI OUTPUT CONNECTIONS TO ACCESS CONTROL PANEL AT LNL-8000 GROUND SHIELD AT ACP.



SURFACE CEILING MOUNT SINGLE LENS CAMERA — SCALE N.T.S. — 4

NOTES:

1. PROVIDE CONDUIT TO ACCESSIBLE CEILING AND LABEL THE CONDUIT WITH THE DEVICE SERVED.
2. SERVICE LOOP PER OWNER STANDARDS.
3. CEILING NOT RATED.



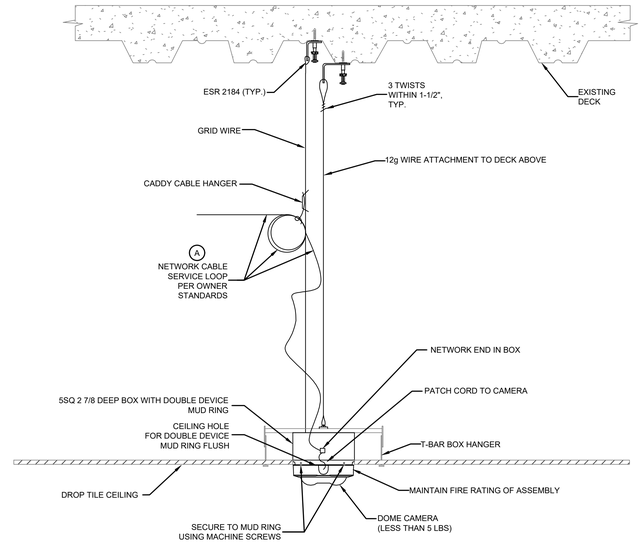
SURFACE CEILING DUAL SENSOR CAMERA MOUNTING - AXIS — SCALE N.T.S. — 2

GENERAL NOTES:

1. PROVIDE AND INSTALL AXIS INDOOR CAMERA AND SMOKE DOME. CONNECT THE CAMERA TO AN OWNER PROVIDED NETWORK ADDRESS AND PROGRAM PER NETWORK BANDWIDTH REQUIREMENTS TO RECORD ON THE NVR AS SHOWN ON THE DRAWINGS. PROVIDE ONE CHANNEL LICENSE ON THE NVR FOR EACH CAMERA RECORDED
2. TO PROVIDE AND INSTALL NETWORK CONNECTION WITH STATIC IP ADDRESS CONNECTED TO A POE SWITCH. PROVIDE NETWORK CONNECTION WITH COMMSCOPE ADAPTER AND PATCH CORD TO SERVE THE CAMERA. PROVIDE A 6 FOOT SERVICE LOOP.
3. SECURE CAMERA HOUSING TO DECK ABOVE WITH 12G GRID WIRE.
4. WHERE CAMERAS ARE IN VIEW OF AN ALARM POINT PROVIDE EVENT DRIVEN VIDEO IN THE SOC OF THIS EVENT WHEN ACTIVATED PER THE OWENER'S SCHEDULE.
5. TEST 1 IN EVERY 10 WIRES AT 200 LBS. UPON FAILURE OF ONE TEST ALL.
6. CEILING NOT RATED.

NOTES TO DETAIL:

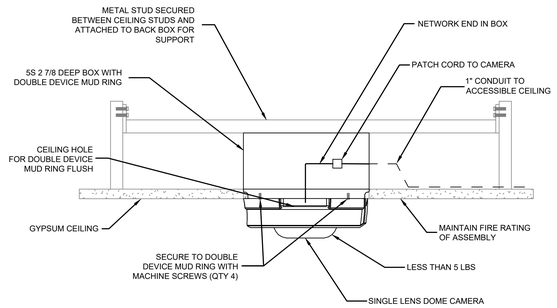
(A) NETWORK CABLE, WITH SERVICE LOOP TERMINATED TO RJ45. PER OWNER REQUIREMENTS



SURFACE CEILING MOUNT MULTI-SENSOR CAMERA — SCALE N.T.S. — 5

NOTES:

1. PROVIDE CONDUIT TO ACCESSIBLE CEILING AND LABEL THE CONDUIT WITH THE DEVICE SERVED.
2. SERVICE LOOP PER OWNER STANDARDS.
3. CEILING NOT RATED.



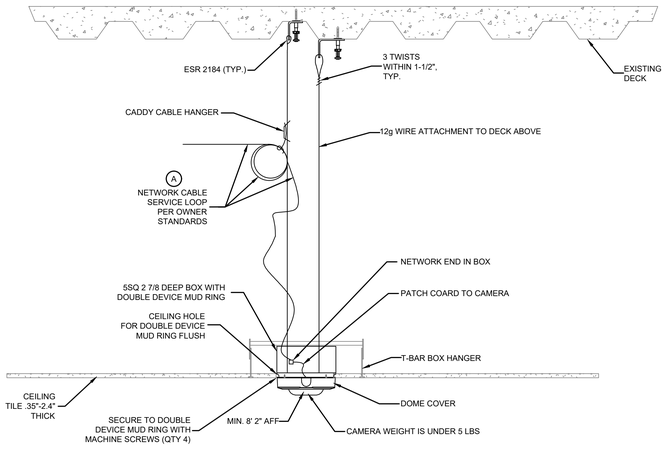
SUSPENDED CEILING RECESSED MULTI-SENSOR CAMERA MOUNTING — SCALE N.T.S. — 3

GENERAL NOTES:

1. PROVIDE AND INSTALL AXIS INDOOR CAMERA AND RECESS KIT WITH SMOKE DOME. CONNECT THE CAMERA TO AN OWNER PROVIDED NETWORK ADDRESS AND PROGRAM PER NETWORK BANDWIDTH REQUIREMENTS TO RECORD ON THE NVR AS SHOWN ON THE DRAWINGS. PROVIDE ONE CHANNEL LICENSE ON THE NVR FOR EACH CAMERA RECORDED.
2. TO PROVIDE AND INSTALL NETWORK CONNECTION WITH STATIC IP ADDRESS CONNECTED TO A POE SWITCH. PROVIDE NETWORK NETWORK CONNECTION WITH COMMSCOPE ADAPTER AND PATCH CORD TO SERVE THE CAMERA. PROVIDE A 6 FOOT SERVICE LOOP.
3. SECURE CAMERA HOUSING TO DECK ABOVE WITH 12G GRID WIRE.
4. WHERE CAMERAS ARE IN VIEW OF AN ALARM POINT PROVIDE EVENT DRIVEN VIDEO IN THE SOC OF THIS EVENT WHEN ACTIVATED PER THE OWNER'S SCHEDULE.
5. TEST 1 IN EVERY 10 WIRES AT 200 LBS. UPON FAILURE OF ONE TEST ALL.
6. CEILING NOT RATED.

NOTES TO DETAIL:

(A) NETWORK CABLE, WITH SERVICE LOOP TERMINATED TO RJ45. PER OWNER REQUIREMENTS .



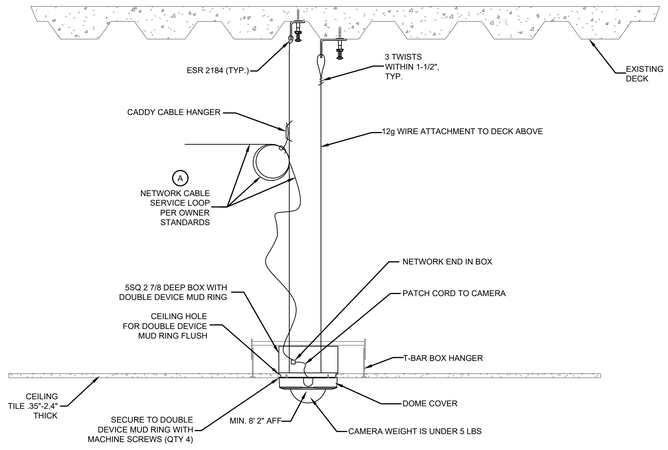
SURFACE CEILING DUAL SENSOR CAMERA MOUNTING - AXIS — SCALE N.T.S. — 1

GENERAL NOTES:

1. PROVIDE AND INSTALL AXIS INDOOR CAMERA AND SMOKE DOME. CONNECT THE CAMERA TO AN OWNER PROVIDED NETWORK ADDRESS AND PROGRAM PER NETWORK BANDWIDTH REQUIREMENTS TO RECORD ON THE NVR AS SHOWN ON THE DRAWINGS. PROVIDE ONE CHANNEL LICENSE ON THE NVR FOR EACH CAMERA RECORDED
2. TO PROVIDE AND INSTALL NETWORK CONNECTION WITH STATIC IP ADDRESS CONNECTED TO A POE SWITCH. PROVIDE NETWORK CONNECTION WITH COMMSCOPE ADAPTER AND PATCH CORD TO SERVE THE CAMERA. PROVIDE A 6 FOOT SERVICE LOOP.
3. SECURE CAMERA HOUSING TO DECK ABOVE WITH 12G GRID WIRE.
4. WHERE CAMERAS ARE IN VIEW OF AN ALARM POINT PROVIDE EVENT DRIVEN VIDEO IN THE SOC OF THIS EVENT
5. TEST 1 IN EVERY 10 WIRES AT 200 LBS. UPON FAILURE OF ONE TEST ALL.
6. CEILING NOT RATED.

NOTES TO DETAIL:

(A) NETWORK CABLE, WITH SERVICE LOOP TERMINATED TO RJ45. PER OWNER REQUIREMENTS.



DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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CONSULTANTS:

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100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
FloorWing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: SECURITY ELECTRONICS DETAILS

Arch.\Engr. KY	FD&C Job No. JOB NO.	SHEET NO. SE4-02
UCDMC Project Mgr. AA	Scale: As indicated	
Designed By: ES	Issue Date: 06/12/2024	
Drawn By: MS	Revit Version: 2023	

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NOT USED

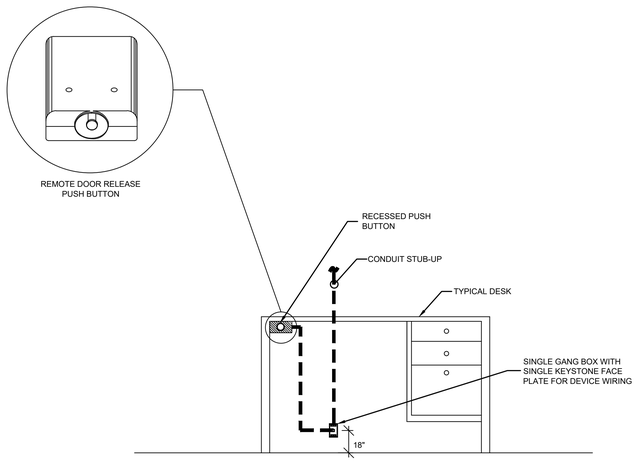
SCALE N.T.S. 6

REMOTE RELEASE DESK MOUNTING DETAIL

SCALE N.T.S. 4

NOTES:

1. WIRING SHALL BE RUN CONCEALED IN CASEWORK, WHERE WIRING HAS TO BE RUN EXPOSED AND ACCESSIBLE, CONCEAL INSIDE 1/4" DIA FLEX METALLIC CONDUIT OR SURFACE METALLIC RACEWAY. SECURED TO WALL AND CASEWORK.
2. COORDINATE WITH USERS FOR EXACT MOUNTING LOCATION.
3. PROVIDE E.O.L. RESISTOR AS REQUIRED FOR SUPERVISED CIRCUIT.

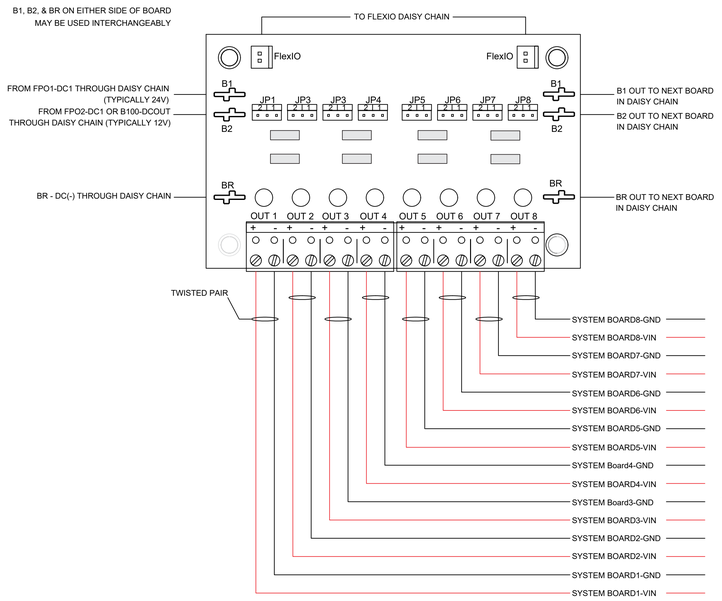


SURFACE CEILING DUAL SENSOR CAMERA MOUNTING - AXIS

SCALE N.T.S. 2

GENERAL NOTES:

1. DETAILS ARE FOR REFERENCE ONLY. REFER TO DIVISION 28 SPECIFICATION DOCUMENTS AND MANUFACTURER MANUAL FOR REQUIREMENTS.
2. SEE DEVICE SCHEDULE FOR BOARD REQUIREMENTS AND PLACEMENT IN ENCLOSURE PER MANUFACTURER INSTRUCTIONS.



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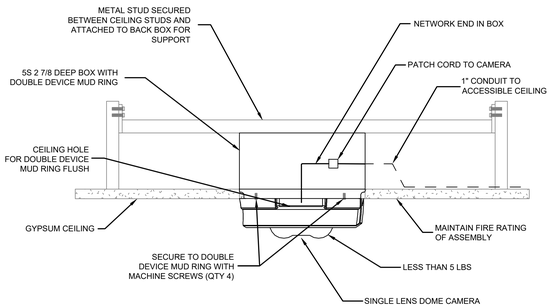
SURFACE CELING MOUNT SINGLE LENS CAMERA

SCALE N.T.S. 5

NOTES:

1. PROVIDE CONDUIT TO ACCESSIBLE CEILING AND LABEL THE CONDUIT WITH THE DEVICE SERVED.
2. SERVICE LOOP PER OWNER STANDARDS.
3. CEILING NOT RATED.

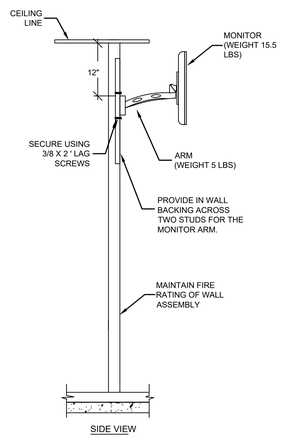


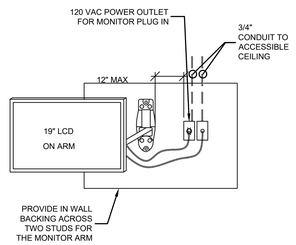
LCD MONITOR WALL MOUNT

SCALE N.T.S. 3

NOTES:

1. MOUNT LCD ARMING MORE THAN 12" FROM THE CEILING.





LENEL LNL-X2220 INTELLIGENT CONTROLLER

SCALE N.T.S. 1

KEY NOTES:

(A) IN BLACK SHARPIE NOTE THE YEAR INSTALLED ON THE ON BOARD BATTERY.

(B) COMMUNICATION LOOP FOR READER CONTROLLERS & LNL-8000 BOARDS.

(C) COMMUNICATION LOOP FOR INPUT AND OUTBOARDS.

(D) DO NOT FEED OTHER CONTROL PANELS WITH DATA FROM THIS CONTROLLER. ALL DATA FEEDS TO BE LOCAL TO THE CONTROLLER.

(E) DISABLE ON BOARD TAMPER AND POWER FAIL. USE INPUTS TO LNL-1100-S3 FOR TAMPER AND POWER AS NOTED IN THE SPECIFICATIONS.

(F) ON BOARD READER ONE

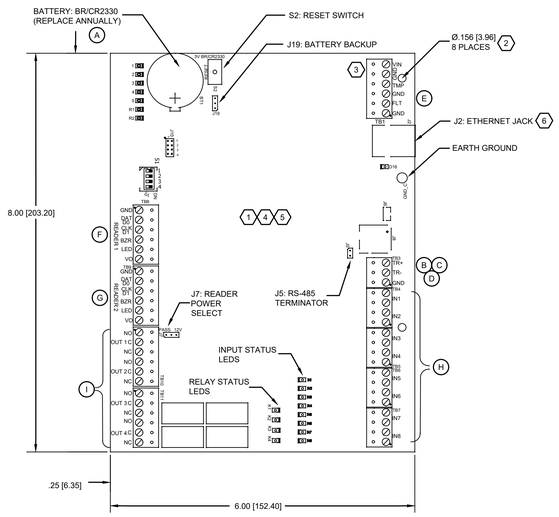
(G) ON BOARD READER TWO

(H) INPUTS ARE FOR ON-BOARD REX AND CONTACTS ONLY. USE INPUTS TO LNL-1100-S3 FOR ALL OTHER INPUT DEVICE AS NOTED IN THE SPECIFICATIONS.

(I) OUTPUTS ARE FOR ON-BOARD LOCKS ASSOCIATED ON-BOARD READERS. USE INPUTS TO LNL-1200-S3 FOR ALL OTHER OUTPUT DEVICE AS NOTED IN THE SPECIFICATIONS.

ITEM	EQUIPMENT INDEX DESCRIPTION (PROVIDE THE FOLLOWING)	QTY
1	LNL-X2220 INTELLIGENT CONTROLLER	1
2	PLASTIC STANDOFF TO BACKPLANE	AR
3	12VDC POWER	AR
4	BOARD DIMENSION (8"X6")	-
5	WEIGHT 9OZ	-
6	ETHERNET CONNECTION	1

LEGEND:
AR = AS REQUIRED
ITEM NUMBER = NUMBER SYMBOLS



Account No.: 9558910
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Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
FloorWinn: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: SECURITY ELECTRONICS DETAILS

Arch.\Engr. KY	FD&C Job No. JOB NO.	SHEET NO. SE4-03
UCDMC Project Mgr. AA	Scale: As indicated	
Designed By: ES	Issue Date: 06/12/2024	
Drawn By: MS	Revit Version: 2023	

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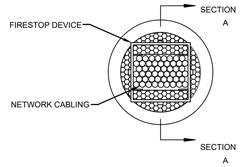
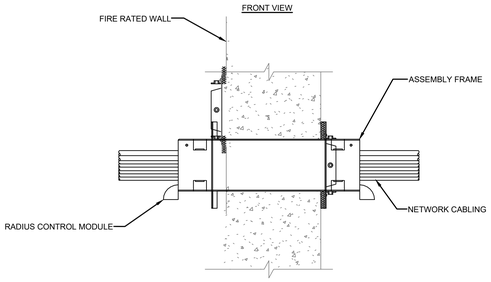
GENERAL NOTES:

1. REFER TO ARCHITECTURAL PLANS FOR WALL FIRE RATING'S AND LOCATIONS.
2. REFER TO SECTION 07 84 00 OF THE SPECIFICATIONS FOR QUALITY CONTROL REQUIREMENTS.
3. FIELD CONDITIONS, DIMENSIONS, TYPE AND THICKNESS OF FIRE-RATED CONSTRUCTION NEED TO BE VERIFIED. IF FIELD CONDITIONS DO NOT MATCH REQUIREMENTS OF TYPICAL DETAILS, MANUFACTURER'S ENGINEERING JUDGMENT DRAWINGS ARE ACCEPTABLE. ENGINEERING JUDGMENTS SHALL FOLLOW THE INTERNATIONAL FIRESTOP COUNCIL (IFC) GUIDELINES FOR EVALUATING FIRESTOP SYSTEMS ENGINEERING JUDGMENTS.
4. THE MINIMUM ASSEMBLY RATING OF THE FIRESTOP ASSEMBLY SHALL MEET OR EXCEED THE HIGHEST RATING OF THE ADJACENT CONSTRUCTION.
5. COMPLY WITH ALL CODES AND STANDARDS SUCH AS THE UL FIRE RESISTANCE DIRECTORY (CURRENT EDITION), NFPA 101 LIFE SAFETY CODE, AND ALL GOVERNING LOCAL AND REGIONAL BUILDING CODES.
6. FIRESTOP SYSTEM INSTALLATION MUST MEET REQUIREMENTS OF ASTM E814 (UL 1479) TESTED ASSEMBLIES THAT PROVIDE A FIRE RATING EQUAL TO THAT OF THE SURROUNDING CONSTRUCTION.
7. PROVIDE RADIUS CONTROL MODULES FOR EACH ASSEMBLY.



FRONT VIEW



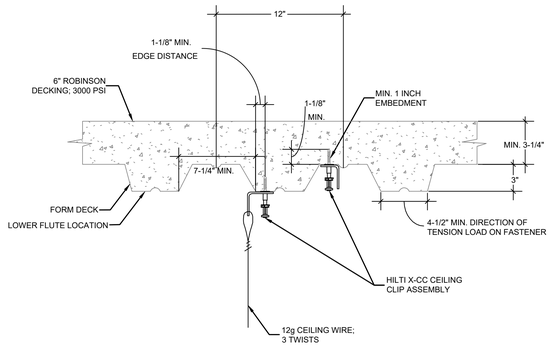
SECTION A -SIDE VIEW

FIRESTOP WALL PENETRATION-SINGLE FEED

SCALE N.T.S. 4

TESTING CRITERIA

1. INSTALL PER ESR-2184.
2. TEST 1 OF EACH 10 CIP ANCHOR INSTALLED AT 200 LBS. UPON FAILURE OF 1 TEST ALL.

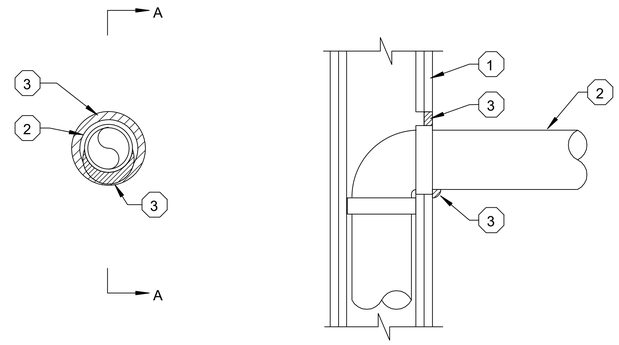


CEILING FIXTURE SUPPORT WIRE - ESR - 2184

SCALE N.T.S. 3

SYSTEM NO. W-L-1410
ANSI/UL1479 (ASTM E814)
F RATING = 1-HR. OR 2-HR.
T RATING = 0-HR.
L RATING AT AMBIENT -LESS THAN 1 CFM/SQ FT
L RATING AT 400°F -LESS THAN 1 CFM/SQ FT

SECTION A-A



1. WALL ASSEMBLY -THE 1 OR 2 HR. FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400, V400 OR W400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS -WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM. 2 BY 4 IN. (51 BY 102mm) LUMBER SPACED 16 IN. (406mm) OC. STEEL STUDS TO BE MIN. 3-1/2 IN. (89mm) WIDE AND SPACED MAX 24 IN. (610mm) OC.
   B. GYPSUM BOARD* -ONE OR TWO LAYERS OF NOM. 5/8 IN. (16mm) THICK GYPSUM BOARD AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. THE MAX DIAMETER OF OPENING IS DEPENDENT UPON THE TYPE OF FILL MATERIAL AS SHOWN IN ITEM 3. THE HOURLY F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY.
2. THROUGH PENETRANTS -ONE METALLIC PIPE OR CONDUIT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE IS DEPENDENT UPON THE TYPE OF FILL MATERIAL AS SHOWN IN ITEM 3. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON THE PENETRATED SIDE OF THE WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:
   A. STEEL PIPE -NOM. 3 IN. (76mm) DIAMETER (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE.
   B. CONDUIT -NOM. 3 IN. (76mm) DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT), NOM. 3 IN. (76mm) DIAMETER STEEL CONDUIT OR NOM. 1 IN. (25mm) DIAMETER (OR SMALLER) FLEXIBLE STEEL CONDUIT.
   C. COPPER TUBING -NOM. 1 IN. (25mm) DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   D. COPPER PIPE -NOM. 1 IN. (25mm) DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
3. FILL, VOID OD CAVITY MATERIAL* -SEALANT -MIN. 5/8 IN. (16mm) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH SURFACE OF WALL. MIN. 1/2 IN. (13mm) DIAMETER BEAD OF SEALANT APPLIED AT POINT CONTACT LOCATION.

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL CERTIFICATION.

HILTI ASSEMBLY WALL PENETRATION - SYSTEM NO. W-L-1410

SCALE N.T.S. 2

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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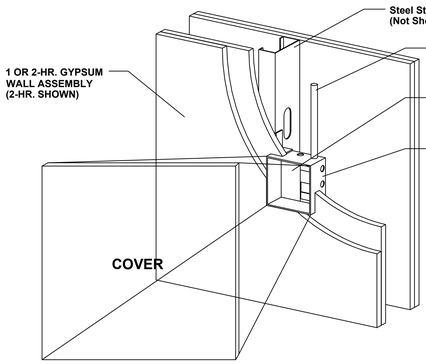
THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS



CP 617 OR CFS-P PA FIRESTOP PUTTY PADS, FOR USE WITH FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL MUD RINGSOR UL LISTED NONMETALLIC OUTLET BOXES IN FRAMED WALL ASSEMBLIES AS SPECIFIED BELOW. WHEN PROTECTIVE MATERIAL IS USED ON OUTLET BOXES ON BOTH SIDES OF THE WALL AS DIRECTED, THE HORIZONTAL SEPARATION BETWEEN OUTLET BOXESON OPPOSITE SIDES OF THE WALL MAY BE LESS THAN 24 IN. PROVIDED THAT THE BOXES ARE NOT INSTALLED BACK-TO-BACK (UNLESS OTHERWISE INDICATED). INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NFPA 70). MIN 1/8 IN. THICK (CP 617) OR MIN 0.2 IN. (CFS-P PA) THICK MOLDABLE PUTTY PADS ARETO BE INSTALLED TO COMPLETELY COVER THE EXTERIOR SURFACES OF THE OUTLET BOX (EXCEPT FOR THE SIDE OF THE OUTLET BOX AGAINST THE STUD) AND CONDUIT FITTINGS/CONNECTORS AND TO COMPLETELY SEAL AGAINST THE STUD AND GYPSUM BOARD IN THE WALL CAVITY UNLESS OTHERWISE NOTED BELOW. WHEN CFS-P PA IS USED, THE PUTTY PADS MAY BE INSTALLED WITH THE RELEASE LINER INTACT ON THE OUTSIDE OF THE PAD WITH THE EXCEPTION OF ANY OVERLAPS, IN WHICH CASE THE LINER IS TO BE REMOVED FROM THE BOTTOM LAYER AT THE OVERLAP LOCATION. THE BOX COMPOSITION, MAX DEVICE DIMENSIONS, HOURLY RATING, TYPE OF STUD AND TYPE OF FACEPLATE ARE SPECIFIED BELOW.

CP 617 OR CFS-P PA FIRESTOP PUTTY PADS, FOR USE WITH MAX 4 BY 4 BY MAX 2-1/8 IN. FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL COVER PLATES IN 1 AND 2 HR. FIRE RATED GYPSUM WALLBOARD WALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. DEEP WOOD OR STEEL STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY.

CP 617 OR CFS-P PA FIRESTOP PUTTY PADS, FOR USE WITH MAX 4-11/16BY 4-11/16 BY MAX 2-1/8 IN., OR MAX 4-3/8 BY 4-7/8 BY MAX 2-1/8IN., FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL COVER PLATES FOR USE IN 1 HR FIRE RATED V446 GYPSUM BOARD/STEEL STUD OR U341 GYPSUM BOARD/WOOD STUD WALL AND PARTITION DESIGN NO. IN THE FIRE RESISTANCE DIRECTORY. WHEN U341 WALL DESIGN IS USED, WALL SHALL BE SHEATHED WITH 5/8 IN. GYPSUM BOARD, AND GLASS OR MINERAL FIBER BATT INSULATION SHALL BE INSTALLED INSTUD CAVITIES IN ACCORDANCE WITH U341 DESIGN. BOXES MAY BE INSTALLED BACK-TO-BACK.

CP 617 OR CFS-P PA FIRESTOP PUTTY PADS, FOR USE WITH MAX 4-11/16BY 4-11/16 BY MAX 2-1/8 IN. FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL COVER PLATES FOR USE IN 1 AND 2 HR FIRE RATED GYPSUM BOARDWALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. DEEP WOOD OR STEEL STUDS AND CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. MIN 0.8 PCF DENSITY FIBERGLASS BATT INSULATION IS TO BE INSTALLED WITHIN THE WALL CAVITY REQUIRED FOR 1 HRFIRE RATED GYPSUM BOARD WALL ASSEMBLIES AND OPTIONAL IN 2 HR FIRE RATED GYPSUM WALLBOARD ASSEMBLIES.

CP 617 OR CFS-P PA FIRESTOP PUTTY PADS, FOR USE WITH MAX 4 BY 3-3/4 BY 3 IN. DEEP UL LISTED NONMETALLIC OUTLET BOXES MANUFACTURED BY CARLON ELECTRICAL PRODUCTS, MADE FROM POLYVINYL CHLORIDE, AND BEARING A2 HR RATING UNDER THE "OUTLET BOXES AND FITTINGS CLASSIFICATIONFOR FIRE RESISTANCE" CATEGORY IN THE FIRE RESISTANCE DIRECTORY. PUTTY PADS AND BOXES FOR USE IN 1 AND 2 HR FIRE RATED GYPSUM WALLBOARD ASSEMBLIES, FRAMED WITH MIN 3-1/2 IN. DEEP WOOD STUDS ANDCONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U300 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. OUTLET BOX SECURED TO WOOD STUD BY MEANS OF TWO NAILING TABS SUPPLIED WITH THE OUTLET BOX. PUTTY PADS SHALL LAP MIN 1/2 IN. ONTO THE STUD AND GYPSUM BOARD WITHIN THE STUD CAVITY. OUTLET BOXES INSTALLED WITHPLASTIC COVER PLATES.

CP 617 OR CFS-P PA FIRESTOP PUTTY PADS, FOR USE WITH MAX 4 BY 4 IN. BY 1-1/2 IN. DEEP FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL COVER PLATES IN 1 HR. FIRE RATED GYPSUM WALLBOARD WALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. DEEP WOOD OR STEEL STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. THE BOXES AREINSTALLED BACK TO BACK WITH 5 IN. BY 4 IN. UL CLASSIFIED FIRE BLOCK, CP 657 OR CFS-BL FIRESTOP BLOCK INSTALLED IN THE CAVITY BETWEEN THE TWO BOXES.

CP 617 OR CFS-P PA FIRESTOP PUTTY PADS, FOR USE WITH MAX 14 BY 4BY MAX 2-1/2 IN. FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL COVER PLATES IN 1 AND 2 HR. FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 5-1/2 IN. DEEP WOOD OR STEEL STUDS FOR 2 HR FIRE RATED WALLS AND MIN3-1/2 IN. DEEP WOOD OR STEEL STUDS FOR 1 HR FIRE RATED WALLS. WALLS CONSTRUCTED AS SPECIFIED IN THEINDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNSIN THE FIRE RESISTANCE DIRECTORY. STUD CAVITY INSULATION IS REQUIRED AND SHALL CONSIST OF MIN 5-1/2 IN.(2 HR RATED WALLS) OR MIN 3-1/2 IN. HR RATED WALLS) THICK FIBERGLASS (MIN 0.6 PCF) OR MINERAL FIBER (MIN 4 PCF). PUTTY PADS SHALL LAP MIN 1/2 IN. ONTO THE STUD AND GYPSUM BOARD WITHIN THE STUD CAVITY. WHEN BOXES ARE INTERCONNECTED BY MEANS OF ELECTRICAL METALLIC TUBE (EMT) OR CONDUIT, A BALL OF PUTTY PAD MATERIAL SHALL BE USED TO COMPLETELY PLUG THE OPEN END OF EACH EMT OR CONDUIT WITHIN THE BOX.

CP 617 OR CFS-P PA FIRESTOP PUTTY PADS, FOR USE WITH MAX 4-11/16BY 4-11/16 BY MAX 2-1/8 IN. FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL OR PLASTIC COVER PLATES FOR USE IN 1 AND 2 HR FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 5-1/2 IN. DEEP STEEL STUDS AND CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U400 AND V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. PUTTY PADS SHALL LAP MIN 1/2 IN. ONTO THE STUD AND GYPSUM BOARD WITHIN THE STUD CAVITY. WHEN BOXES ARE INTERCONNECTED BY MEANS OF ELECTRICAL METALLIC TUBE (EMT) OR CONDUIT, A BALLOF PUTTY PAD MATERIAL SHALL BE USED TO COMPLETELY PLUG THE OPEN END OF EACH EMT OR CONDUIT WITHIN THE OUTLET BOXES. METALLIC OUTLET BOXES MAY BE PROVIDED WITH STEEL ATTACHMENT BRACKETS WHICH OFFSET BOX MIN 1/4 IN. FROM STUD. WHEN STEEL ATTACHMENT BRACKETS ARE USED, PUTTY PAD TO BE AFFIXED TO THE BOX AND ALL FOUR SIDES OF THE BOX.

CFS-P PA MOLDABLE PUTTY PADS, FOR USE WITH MAX 4-11/16 BY 4-11/16 IN. BY MAX 2-1/8 IN. FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL COVER PLATES IN 2 HR FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. DEEP STEEL STUDS AND CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U400 AND V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. AN ADDITIONAL 3/4 IN. BALL OF PUTTY PAD MATERIAL SHALL BE USED TO PLUG THE END OF EACH ELECTRICAL METALLIC TUBE OR CONDUIT AT ITS CONNECTION TO THE BOX.

CFS-P PA MOLDABLE PUTTY PADS, FOR USE WITH MAX 4 BY 4 BY 2-1/8 IN. FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL OR PLASTIC COVER PLATES IN 2 HR FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. DEEP STEEL STUDS AND CONSTRUCTED OF THE MATERIALS AND IN THE MANNERSPECIFIED IN THE INDIVIDUAL U400 AND V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. AN ADDITIONAL 3/4 IN. BALL OF PUTTY PAD MATERIAL SHALL BE USED TO PLUG THE END OF EACH ELECTRICAL METALLIC TUBE OR CONDUIT AT ITS CONNECTION TO THE BOX.

CFS-P PA MOLDABLE PUTTY PADS, FOR USE WITH MAX 14-1/4 BY 4-1/2 BY 2-1/2 IN. FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL COVER PLATES IN 2 HR FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. DEEP STEEL STUDS AND CONSTRUCTED OF THE MATERIALS AND IN THE MANNERSPECIFIED IN THE INDIVIDUAL U400 AND V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. AN ADDITIONAL 3/4 IN. BALL OF PUTTY PAD MATERIAL SHALL BE USED TO PLUG THE END OF EACH ELECTRICAL METALLIC TUBE OR CONDUIT AT ITS CONNECTION TO THE BOX.

HILTI FIRESTOP BOX INSERT, FOR USE WITH FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL MUD RINGS OR UL LISTEDNONMETALLIC OUTLET BOXES IN FRAMED WALL ASSEMBLIES AS SPECIFIED BELOW. WHEN PROTECTIVE MATERIAL IS USED ON OUTLET BOXES ON BOTH SIDES OF THE WALL AS DIRECTED, THE HORIZONTAL SEPARATION BETWEEN OUTLET BOXES ON OPPOSITE SIDES OF THE WALL MAY BE LESS THAN 24 IN. PROVIDED THAT THE BOXES ARE NOT INSTALLED BACK-TO-BACK (UNLESS OTHERWISE INDICATED). INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NFPA 70). THE BOX COMPOSITION, MAX DEVICE DIMENSIONS, HOURLY RATING, TYPE OF STUD AND TYPE OF FACEPLATE ARE SPECIFIED BELOW.

HILTI FIRESTOP BOX INSERT, FOR USE WITH MAX 4-11/16 BY 4-11/16 BY 2-1/8 IN. DEEP UL LISTED METALLIC OUTLET BOXES WITHOUT INTERNAL CLAMPS IN 1 OR 2 HR FIRE RATED GYPSUM WALLBOARD WALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. DEEP WOOD ORSTEEL STUDS AND CONSTRUCTED OF MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. OUTLET BOXES IN 1 HR FIRE RATED WALLS MAY BE INSTALLED WITH PLASTIC OR STEEL COVER PLATES. OUTLET BOXES IN 2 HR FIRE RATED WALLS SHALL BE INSTALLED WITH STEEL COVER PLATES. ONE 4-3/8 BY 4-3/8 IN. INSERT ADHERED TO THE INTERIOR BACK WALL OF THE OUTLET BOX IN ACCORDANCE WITH THE INSTRUCTIONS SUPPLIED WITH THE PRODUCT. SMALLER SIZED INSERTS MAY BE CUT AND COMBINED TO ACHIEVE THE 4-3/8 X4-3/8 IN COVERAGE.

HILTI FIRESTOP BOX INSERT, FOR USE WITH MAX 4 BY 4 BY 1-1/2 IN. DEEP AND 2-1/8 IN. DEEP UL LISTED METALLIC OUTLET BOXES WITHOUT INTERNAL CLAMPS IN 1 OR 2 HR FIRE RATED GYPSUM WALLBOARD WALL ASSEMBLIES FRAMED WITH MIN 3 1/2 IN. DEEP STEEL OR WOOD STUDS AND CONSTRUCTED OF MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U400, V400 OR U300 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY, AS SUMMARIZED IN THE TABLE BELOW. ONE 3-11/16 BY 3-3/4 IN. INSERT ADHERED TO THE INTERIOR BACK WALL OF THE OUTLET BOX IN ACCORDANCE WITH THE INSTRUCTIONS SUPPLIED WITH THE PRODUCT. SMALLER SIZED INSERTS MAY BE CUT AND COMBINED TO ACHIEVE THE 3-11/16 X 3-3/4 IN COVERAGE.

BOX SIZE	TYPE OF BOX AND COVER PLATE	HOURLY RATING	WALL TYPE
4 X 4 X 2-1/8 IN DEEP	METALLIC WITH STEEL COVER PLATES	2 HOUR	U300, U400 OR V400 -WOOD OR STEEL STUDS
4 X 4 X 2-1/8 IN DEEP	METALLIC WITH PLASTIC COVER PLATES	1 HOUR	U300, U400 OR V400 -WOOD OR STEEL STUDS
4 X 4 X 1-1/2 IN DEEP	METALLIC WITH PLASTIC COVER PLATES	1 HOUR	U300 -WOOD STUDS

	INSERTS USED	FIRE RATING	WALL TYPE
4-1/2 X 8-1/2 X 1-5/8 IN DEEP	TWO 3-11/16 X 3-3/4 IN. INSERTS **	2 HOUR	U300, U400, OR V400 -WOOD OR STEEL STUDS
3-3/4 X 5-1/2 X 2-1/2 IN DEEP	ONE 3-11/16 X 3-3/4 IN. INSERT AND ONE 1-7/8 X 2-13/16 IN. INSERT	1 HOUR	U300, U400, OR V400 -WOOD OR STEEL STUDS
** -MIN 3/4 IN. DEEP PLASTER RINGS INSTALLED OVER OUTLET BOX. AFTER INSTALLATION OF GYPSUM BOARD, NOM 1/4 IN. THICKNESS OF HILTI FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT, BEARING THE UL CLASSIFICATION MARKING FOR FILL, VOID OR CAVITY MATERIALS, APPLIED BETWEEN THE BASE LAYER OFWALLBOARD AND THE PLASTER RING			

HILTI Firestop Box Insert , for use with 4-3/8 by 4-7/8 by 2-1/4 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 1 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. One 4-3/8 in. wide by 4-3/8 in. high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 4-3/8 in. by 4-3/8 in. coverage and adhered to the interior back wall of the outlet box. Outlet boxes installed with plastic or steel cover plates.

HILTI Firestop Box Insert, for use with 4-3/8 by 4-7/8 by 2-1/4 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. One 4-3/8 in. wide by 4-3/8 in. high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 4-3/8 in. by 4-3/8 in. coverage and adhered to the interior back wall of the outlet box. Outlet boxes installed with steel cover plates.

CP 617 or CFS-P PA Firestop Putty Pads and HILTI Firestop Box Inserts, for use with maximum 4 by 4 by 1-1/2 in. (102 by 102 by 38 mm) deep flush device UL Listed Metallic Outlet Boxes installed with steel mud rings and with steel or plastic faceplates in 1 or 2 hr fire rated gypsum board wall assemblies constructed with min 3-1/2 in. (89 mm) wide wood or steel studs. When both protective materials are used with outlet boxes on both sides of the wall as directed, the boxes may be installed back-to-back provided that the backs of the boxes are minimum 1/2 in. (13 mm) apart and provided that the boxes are not interconnected. Adjoining pieces of moldable putty pads to be overlapped approx 1/2 in. (13 mm) at the seam. An insert pad shall be installed to completely cover the back inside surface of each outlet box.

ALL OPENING PROTECTIVE MATERIALS - CLIV, CLIV7 - OSHPD

SCALE N.T.S. 1

Account No.:	9558910
HCAI No.:	S241013-34-00
Site No.:	BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing:	DAVIS TOWER BASEMENT
Project	DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title	SECURITY ELECTRONICS DETAILS

Arch.\Engr. KY	FD&C Job No. JOB NO.	SHEET NO. SE4-04
UCDMC Project Mgr. AA	Scale: As indicated	
Designed By: ES	Issue Date: 06/12/2024	
Drawn By: MS	Revit Version: 2023	

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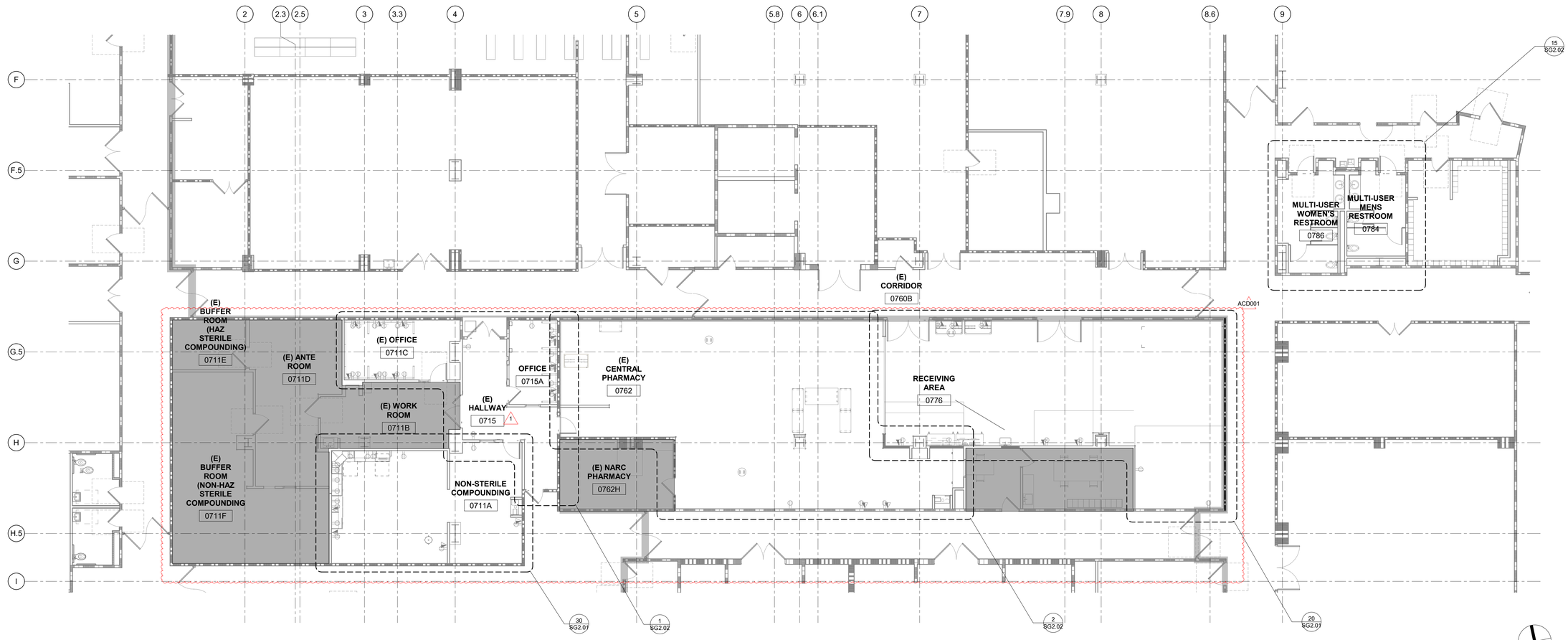

30 OVERALL SIGNAGE PLAN - BASEMENT
1/8" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT HIBER YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

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THIS ISSUE:	ISSUED FOR	Date
1	BACKCHECK 1	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OVERALL SIGNAGE PLAN - BASEMENT

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: 1/8" = 1'-0"	SG2.00
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

7/22/2025 12:10:06 PM C:\Users\auno\Documents\5938 UCDH Central Phamacy_Central_R25-REVISED SCOPE_auno.DA58.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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ACD001

SIGNAGE SCHEDULE- PHASE 1

LOCATION	ITEM DESCRIPTION	W x H	SIGNAGE COPY
1	MAINTENANCE ROOM NUMBER	3" x 1"	0711A
1	IDENTIFICATION - ROOM NAME TACTILE/BRAILLE	6" x 6"	NON-STERILE COMPOUNDING
2	EXIT SIGN	6" 6"	EXIT
2	MAINTENANCE ROOM NUMBER	3" 1"	0776
2	IDENTIFICATION - ROOM NAME TACTILE/BRAILLE	6" 6"	CENTRAL PHARMACY
3	IDENTIFICATION - ROOM NAME TACTILE/BRAILLE	6" 6"	CENTRAL PHARMACY
3	MAINTENANCE ROOM NUMBER	3" 1"	0766B
4	REGULATORY FIRE EXTINGUISHER SIGNAGE	9" 9"	FIRE EXTINGUISHER SYMBOL

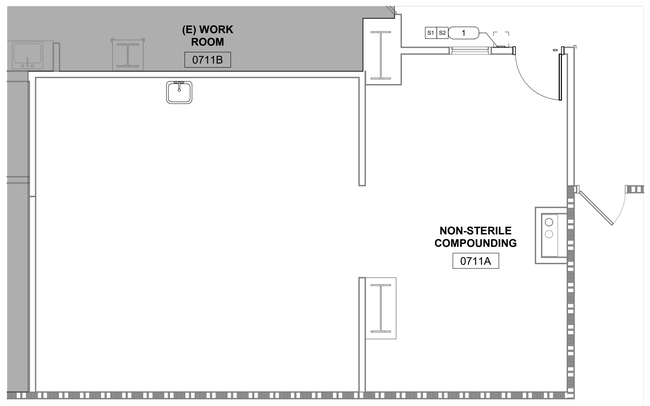
GENERAL SIGNAGE NOTES

1. REMOVE ALL (E) SIGNAGE WHERE (N) SIGNAGE OCCURS. DEFER TO SIGNAGE VENDOR FOR BEST METHOD TO REMOVE (E) SIGNAGE TO PREVENT UNNECESSARY DAMAGE TO (E) SURFACES. PRIOR TO INSTALLATION OF (N) SIGNS PATCH & REPAIR ALL WALLS, CEILINGS, AND FLOOR SURFACES AFFECTED BY REMOVAL OF (E) SIGNS TO MATCH (E), U.O.N.
2. COORDINATE LOCATIONS OF WALL MOUNTED ACCESSORIES, EQUIPMENT, FURNITURE, SIGNAGE & THEIR ASSOCIATED BACKING WITH POWER/DATA/ THERMOSTAT UNITS PRIOR TO INSTALLATION. REMOVE & RELOCATE ALL (E) MISC. WALL MOUNTED ITEMS THAT CONFLICT WITH PROPOSED LOCATION OF (N) SIGNAGE. PATCH & REPAIR AFFECTED SURFACES TO MATCH (E), U.O.N.
3. REFER TO SHEET SG9.01 FOR ALL SIGNAGE SPECIFIC MOUNTING AND FABRICATION DETAILS.
4. REFER TO REFL. CLG. PLAN FOR CLARIFICATION OF OVERHEAD CEILING SIGNAGE MOUNTING LOCATIONS.
5. REFER TO SPECIFICATIONS & KAISER'S CURRENT INTERIOR SIGN PROGRAM FOR DDITIONAL INFORMATION ON SIGN TYPES.
6. REFER TO SIGNAGE ORDER FOR ADDITIONAL COMMENTS PERTAINING TO MOUNTING LOCATIONS OF (N) SIGNAGE.
7. REFER TO REFLECTED CEILING PLANS FOR CLARIFICATION OF OVERHEAD CEILING SIGNAGE MOUNTING LOCATIONS.
8. PROVIDE ADDITIONAL BLANK SIGN FOR OPPOSITE SIDE OF GLAZING WHERE (N) SIGN OCCURS.
9. REFER TO A1.01 FOR EXTERIOR SIGNAGE LOCATIONS.

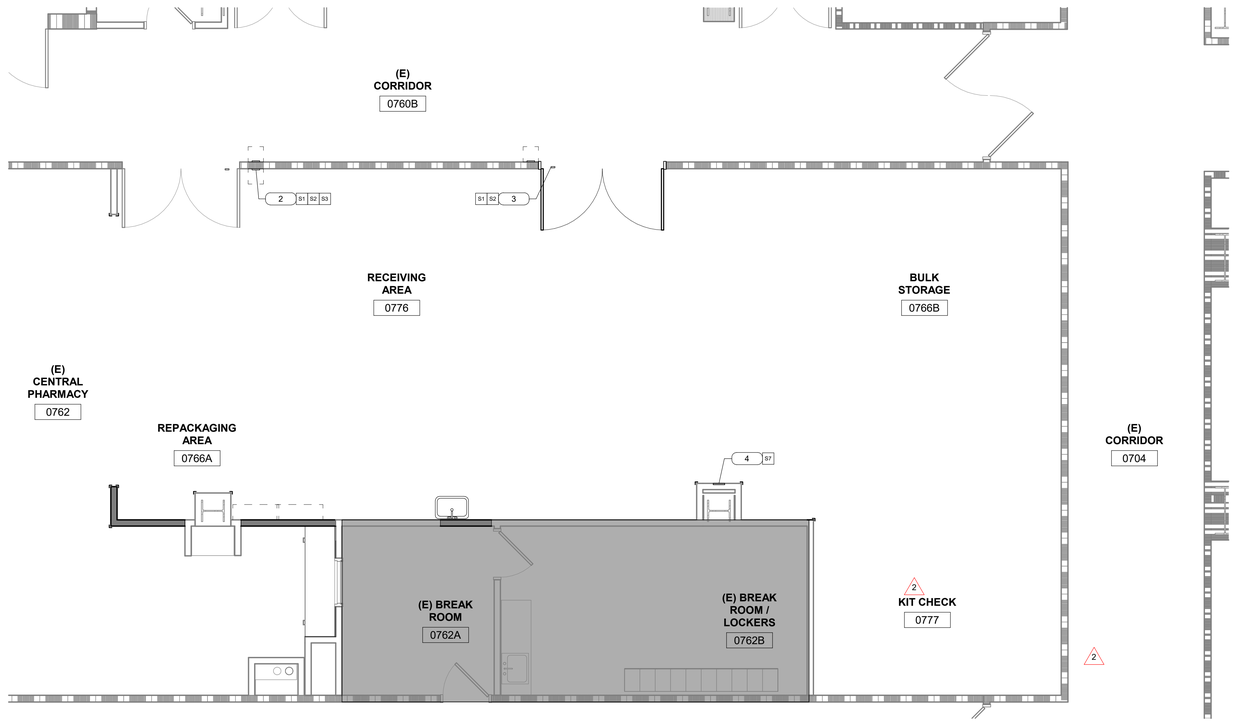
SIGNAGE NOTES

S1	TACTILE ROOM NAME SIGN
S2	MAINTENANCE DOOR SIGN
S3	EXIT SIGN
S7	FIRE EXTINGUISHER SIGN

ACD001



30 ENLARGED SIGNAGE PLAN - NON-STERILE COMPOUNDING - PHASE 1
1/4" = 1'-0"



20 ENLARGED SIGNAGE PLAN - RECEIVING AREA - PHASE 1
1/4" = 1'-0"

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT KEN YAMAUCHI C-26566 02-28-2027 RENEWAL DATE STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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CONSULTANTS:

THIS ISSUE:	ISSUED FOR	Date
2	OWNER REVISIONS	09/16/2024
5	SCOPE REDUCTION	Date 5

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: SIGNAGE PLAN - BASEMENT - PHASE 1

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. SG2.01
UCDMC Project Mgr. Checker	Scale: 1/4" = 1'-0"	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2025	

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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SIGNAGE SCHEDULE- PHASE 2

LOCATION	ITEM DESCRIPTION	W x H	SIGNAGE COPY
5	EXIT SIGN	6" x 6"	EXIT
5	MAINTENANCE ROOM NUMBER	3" x 1"	0762
5	IDENTIFICATION - ROOM NAME TACTILE/BRAILLE	6" x 6"	CENTRAL PHARMACY
6	REGULATORY FIRE EXTINGUISHER SIGNAGE	9" x 9"	FIRE EXTINGISHER SIGN
7	MAINTENANCE ROOM NUMBER	3" x 1"	0711C
7	IDENTIFICATION - ROOM NAME TACTILE/BRAILLE	6" x 6"	OFFICE
8	MAINTENANCE ROOM NUMBER	3" x 1"	0760B
8	IDENTIFICATION - ROOM NAME TACTILE/BRAILLE	6" x 6"	CORRIDOR
9	MAINTENANCE ROOM NUMBER	3" x 1"	0715A
9	IDENTIFICATION - ROOM NAME TACTILE/BRAILLE	6" x 6"	OFFICE
10	MAINTENANCE ROOM NUMBER	3" x 1"	0711B
10	IDENTIFICATION - ROOM NAME TACTILE/BRAILLE	6" x 6"	WORK ROOM
11	MAINTENANCE ROOM NUMBER	3" x 1"	0710A
11	IDENTIFICATION - ROOM NAME TACTILE/BRAILLE	6" x 6"	CORRIDOR
12	MAINTENANCE ROOM NUMBER	3" x 1"	0786
12	TACTILE SHARED OFFICE WALL SIGNAGE WITH BRAILLE	6" x 6"	ISA SYMBOL
12	ADA RESTROOM DOOR, CIRCLE W/TRIANGLE	6" x 6"	WOMEN
13	MAINTENANCE ROOM NUMBER	3" x 1"	0784
13	TACTILE SHARED OFFICE WALL SIGNAGE WITH BRAILLE	6" x 6"	ISA SYMBOL
13	ADA RESTROOM DOOR, CIRCLE W/TRIANGLE	6" x 6"	MEN

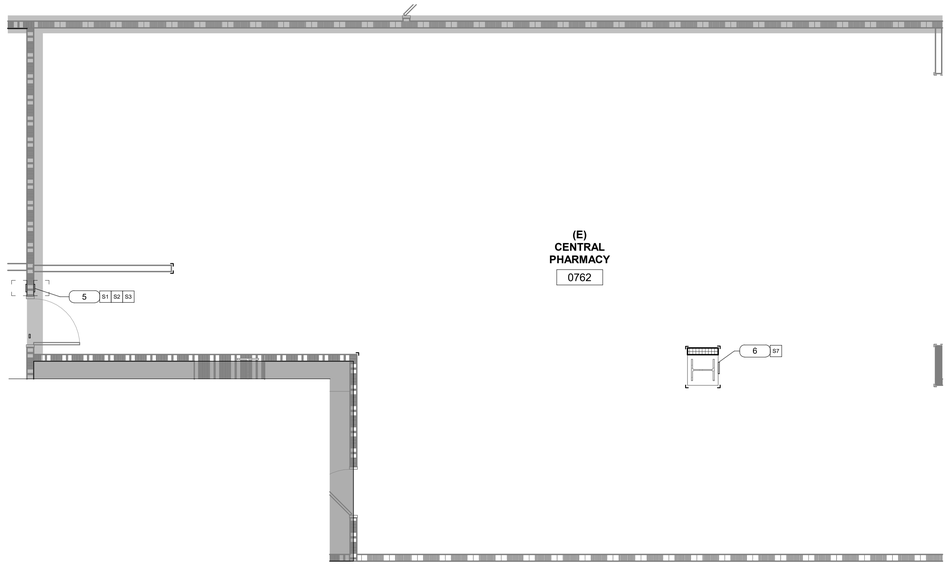
ACD001

GENERAL SIGNAGE NOTES

1. REMOVE ALL (E) SIGNAGE WHERE (N) SIGNAGE OCCURS. DEFER TO SIGNAGE VENDOR FOR BEST METHOD TO REMOVE (E) SIGNAGE TO PREVENT UNNECESSARY DAMAGE TO (E) SURFACES. PRIOR TO INSTALLATION OF (N) SIGNS PATCH & REPAIR ALL WALLS, CEILINGS, AND FLOOR SURFACES AFFECTED BY REMOVAL OF (E) SIGNS TO MATCH (E), UON.
2. COORDINATE LOCATIONS OF WALL MOUNTED ACCESSORIES, EQUIPMENT, FURNITURE, SIGNAGE & THEIR ASSOCIATED BACKING WITH POWER/DATA/ THERMOSTAT UNITS PRIOR TO INSTALLATION. REMOVE & RELOCATE ALL (E) MISC. WALL MOUNTED ITEMS THAT CONFLICT WITH PROPOSED LOCATION OF (N) SIGNAGE. PATCH & REPAIR AFFECTED SURFACES TO MATCH (E), U.O.N.
3. REFER TO SHEET SG0.01 FOR ALL SIGNAGE SPECIFIC MOUNTING AND FABRICATION DETAILS.
4. REFER TO REFL. CLG. PLAN FOR CLARIFICATION OF OVERHEAD CEILING SIGNAGE MOUNTING LOCATIONS.
5. REFER TO SPECIFICATIONS & KAISER'S CURRENT INTERIOR SIGN PROGRAM FOR DDITIONAL INFORMATION ON SIGN TYPES.
6. REFER TO SIGNAGE ORDER FOR ADDITIONAL COMMENTS PERTAINING TO MOUNTING LOCATIONS OF (N) SIGNAGE.
7. REFER TO REFLECTED CEILING PLANS FOR CLARIFICATION OF OVERHEAD CEILING SIGNAGE MOUNTING LOCATIONS.
8. PROVIDE ADDITIONAL BLANK SIGN FOR OPPOSITE SIDE OF GLAZING WHERE (N) SIGN OCCURS.
9. REFER TO A1.01 FOR EXTERIOR SIGNAGE LOCATIONS.

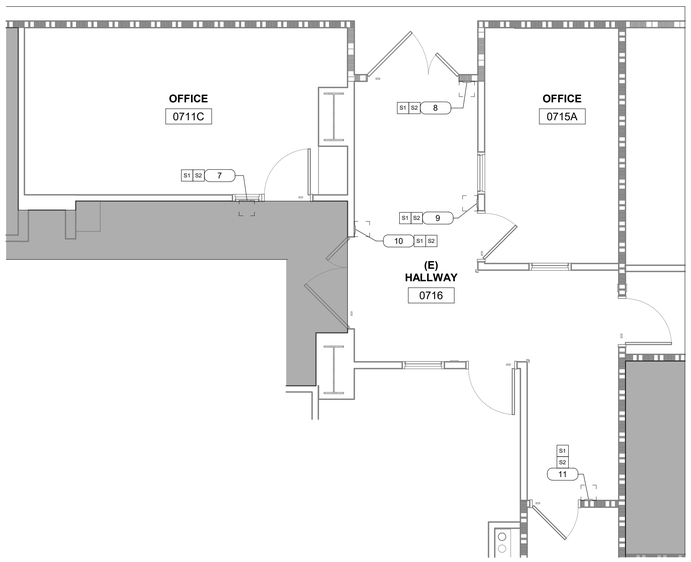
SIGNAGE NOTES

S1	TACTILE ROOM NAME SIGN
S2	MAINTENANCE DOOR SIGN
S3	EXIT SIGN
S5	RESTROOM DOOR SIGN
S6	RESTROOM WALL SIGN
S7	FIRE EXTINGUISHER SIGN



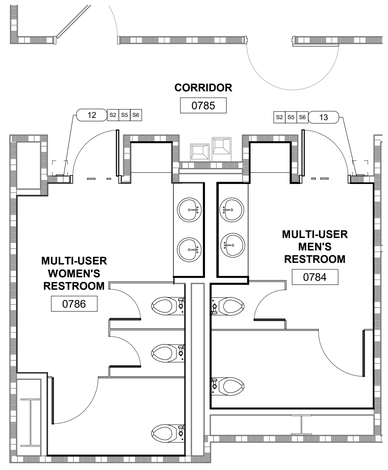
2 ENLARGED SIGNAGE PLAN - CENTRAL PHARMACY - PHASE 2

1/4" = 1'-0"



1 ENLARGED SIGNAGE PLAN - OFFICE 0715A/B, & 0711C - PHASE 2

1/4" = 1'-0"



15 ENLARGED SIGNAGE PLAN - MULTI-USER STAFF RESTROOMS - PHASE 2

1/4" = 1'-0"

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CONSULTANTS:

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1	BACKCHECK 1	09/16/2024
5	SCOPE REDUCTION	Date 5

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Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: SIGNAGE PLAN - BASEMENT - PHASE 2

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Drawn By: Author	Revit Version: 2025	

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SCOPE PHASE REVISED
SHEET NO LONGER NEEDED

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C-26566
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Floor/Mnr. DAVIS TOWER BASEMENT
Project DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title NOT USED

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. SG2.03
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Drawn By: Author	Revit Version: 2025	

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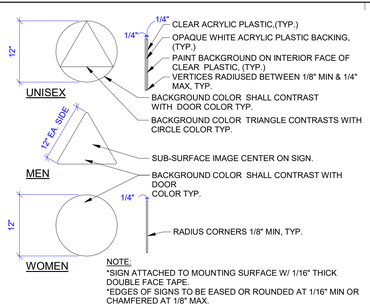
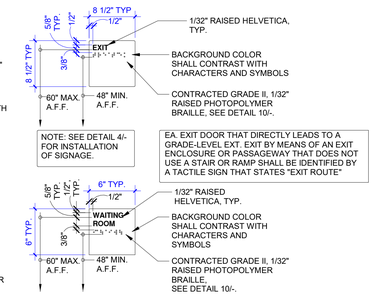
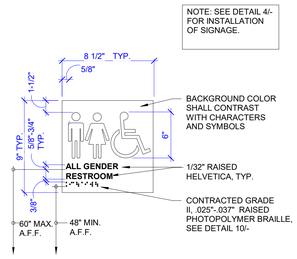
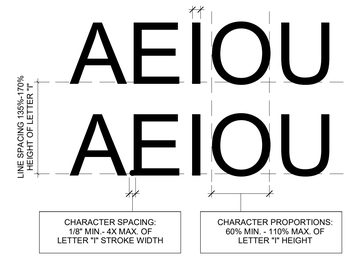




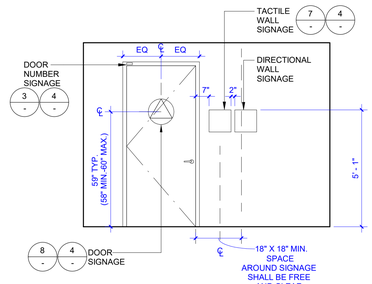
6 TOILET CIRCLE-TRIANGLE DOOR SIGN
1" = 1'-0"



1 TACTILE SIGN, TYP.
1 1/2" = 1'-0"



7 TOILET TACTILE SIGN FABRICATION
1 1/2" = 1'-0"



2 TACTILE SIGNAGE CHARACTERS
12" = 1'-0"

SYMBOL NOTES:

1. PICTOGRAMS, CHARACTERS, AND THEIR BACKGROUNDS SHALL HAVE NON- GLARE FINISH. THESE ELEMENTS SHALL CONTRAST WITH THEIR BACKGROUNDS, WITH EITHER LIGHT ON DARK BACKGROUND OR DARK ON LIGHT BACKGROUND.
2. INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND: COLOR NO. 15090 IN FEDERAL STANDARD 595B.

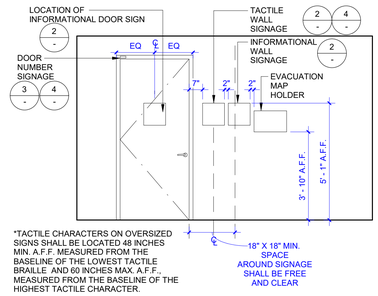
RAISED CHARACTER NOTES:

1. CHARACTERS TO BE 1/32" MIN. ABOVE THEIR BACKGROUND.
2. CHARACTERS TO BE IN UPPER CASE.
3. FONT TO BE SANS SERIF; CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF UNUSUAL FORMS.
4. TEXTS SHALL BE IN HORIZONTAL FORMAT.

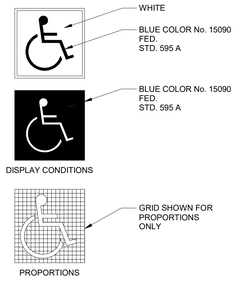
BRAILLE NOTES:

1. BRAILLE TO BE DOMED OR ROUNDED IN SHAPE.
2. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORK OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS AND ACRONYMS.
3. CONTRACTED GRADE II BRAILLE

8 TOILET RM SIGNAGE MOUNTING HEIGHT
3/8" = 1'-0"



3 SYMBOL, CHARACTER & BRAILLE
1 1/2" = 1'-0"

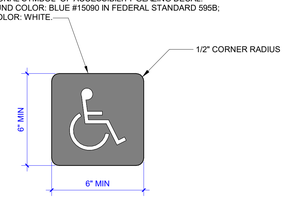


9 TYP. SIGNAGE MOUNTING HEIGHT
3/8" = 1'-0"

VISUAL CHARACTER HEIGHTS		
HEIGHT TO FINISH FLOOR OR GROUND FROM BASELINE OF CHARACTER	**HORIZONTAL VIEWING DISTANCE**	**MINIMUM CHARACTER HEIGHT**
40 INCHES (1015 mm) TO LESS THAN OR EQUAL TO 70 INCHES (1780 MM)	LESS THAN 72 INCHES (1830 mm)	5/8 INCHES (16 mm)
	72 INCHES (1830 mm) AND GREATER	5/8 INCHES (16 mm), PLUS 1/8 INCH (3.2 mm) PER FOOT (305 mm) OF VIEWING DISTANCE ABOVE 72 INCHES (1830 mm)
GREATER THAN 70 INCHES (1780 mm) TO LESS THAN OR EQUAL TO 120 INCHES (3050 mm)	LESS THAN 180 INCHES (4570 mm)	2 INCHES (51 mm)
	180 INCHES (4570 mm) AND GREATER	2 INCHES (51 mm), PLUS 1/8 INCH (3.2 mm) PER FOOT (305 mm) OF VIEWING DISTANCE ABOVE 180 INCHES (4570 mm)
GREATER THAN 120 INCHES (3050 mm)	LESS THAN 21 FEET (6400 mm)	3 INCHES
	21 FEET (6400 mm) AND GREATER	3 INCHES (75 mm), PLUS 1/8 INCH (3.2 mm) PER FOOT (305 mm) OF VIEWING DISTANCE ABOVE 21 FEET (6400 mm)

4 SYMBOL OF ACCESSIBILITY
1 1/2" = 1'-0"

INTERNATIONAL SYMBOL OF ACCESSIBILITY GLAZING DECAL.
BACKGROUND COLOR: BLUE #15090 IN FEDERAL STANDARD 595B;
SYMBOL COLOR: WHITE.



MOUNT @ EXTERIOR OF ACCESSIBLE ENTRY DOORS; CENTER HORIZONTALLY ON (1) LEAF'S GLAZING AND DIRECTLY ABOVE PANIC BAR HARDWARE.

10 VISUAL CHARACTER HEIGHT
12" = 1'-0"

5 ISA DECAL
3" = 1'-0"

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2/10/2025, 8:11:02 AM
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Ray Sanchez

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Sheet Title: SIGNAGE DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
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Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2023	

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GRAPHIC SCALES: 1/16" = 1'-0" (0, 5', 50') | 1/8" = 1'-0" (0, 5', 25') | 1/4" = 1'-0" (0, 1', 12') | 1/2" = 1'-0" (0, 1', 6') | 3/4" = 1'-0" (0, 4') | 1" = 1'-0" (0, 1', 3') | 1 1/2" = 1'-0" (0, 2') | 3" = 1'-0" (0, 1')

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GENERAL NOTES:

GENERAL NOTES

1. ALL WORK CONFORM TO THE 2022 CALIFORNIA BUILDING CODE, CALIFORNIA CODE REGULATIONS TTLE 24, PART 2 INCLUDING OSHPD AMENDMENTS AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

2. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL THE TRADES AND SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.

3. THE CONTRACT STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. VISITS TO THE SITE BY THE SEOR AND ARCHITECT WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.

4. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

5. REFERENCE TO CODES, RULES, REGULATIONS, STANDARDS, MANUFACTURER'S INSTRUCTIONS OR REQUIREMENTS OF REGULATORY AGENCIES SHALL MEAN THE LATEST PRINTED EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BID UNLESS THE DOCUMENT DATE IS SHOWN.

6. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, USE SIMILAR DETAILS OF CONSTRUCTION, SUBJECT TO REVIEW BY THE OWNER'S REPRESENTATIVE.

7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND FOR CHECKING DIMENSIONS. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES AND RESOLVE BEFORE PROCEEDING WITH THE WORK.

8. DO NOT SCALE THE DRAWINGS.

9. PROVIDE MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT MAY NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DURING CONSTRUCTION. RETAIN A REGISTERED STRUCTURAL ENGINEER WHOM IS PROPERLY QUALIFIED TO DESIGN BRACING, SHORING, ETC. VISITS TO THE SITE BY THE SEOR WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.

10. INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE PRIME CONSULTANT. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE PRIME CONSULTANT.

11. REFER TO MEP DRAWINGS FOR SIZE AND LOCATION OF FLOOR, ROOF AND WALL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE THE SIZE AND LOCATION OF OPENINGS ASSOCIATED WITH, BUT NOT LIMITED TO, ELECTRICAL, MECHANICAL AND PLUMBING TRADES. DO NOT CUT ANY STRUCTURAL MEMBER OR REINFORCING FOR PIPES, DUCTS, POST-INSTALLED ANCHORS, DOWELS ETC. UNLESS SPECIFICALLY INDICATED. LOCATE (E) REINFORCING USING NON-DESTRUCTIVE METHODS PRIOR TO DRILLING OR CORING. SUBMIT FINAL SIZING AND LOCATION OF OPENINGS TO THE SEOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

12. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK TO ENSURE THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY FALLING DEBRIS AND OTHER HAZARDS IN CONNECTION WITH THIS WORK.

13. CONSTRUCTION LOADS: EVENLY DISTRIBUTE STORED MATERIALS ON FLOORS AND ROOFS. DO NOT EXCEED ALLOWABLE LOADING FOR SUPPORTING MEMBERS AND CONNECTIONS.

14. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA CONSTRUCTION SAFETY ORDERS (CAL-OSHA)

15. DETAILS TITLE "TYPICAL" APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. SUCH DETAILS ARE NOT NOTED AT EACH LOCATION THAT THEY OCCUR.

16. ANCHORAGE OF ALL EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT IS DETAILED EXCEPT FOR THE FOLLOWING AS INDICATED IN CBC 2022 SECTION 1617A.1.18A:
 1. EQUIPMENT WEIGHING LESS THAN 400 LBS . SUPPORTED DIRECTLY ON THE FLOOR OR ROOF, AND HAS A CENTER OF MASS LESS THAN 4 FEET ABOVE THE SUPPORTING FLOOR OR ROOF.
 2. FURNITURE (NON-FIXED AND MOVEABLE AS EXEMPTED BY THE CBC 2022 1617A.1.18)

17. DEMOLITION: SAFETY OR PERSONNEL AND PROPERTY DURING ANY DEMOLITION WORK IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. BEFORE DEMOLITION BEGINS, THE CONTRACTOR SHALL INSPECT EXISTING CONSTRUCTION TO IDENTIFY DEFECTS AND STRUCTURAL WEAKNESSES WHICH MAY AFFECT THE SAFETY OF HIS WORK. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ASSURE THAT THESE DEFECTS AND WEAKNESSES ARE REMEDIED PRIOR TO PROCEEDING WITH THE DEMOLITION.

18. IF THE ACTUAL FIELD CONDITIONS VARY FROM THE ASSUMED CONDITIONS, ADJUSTMENTS WILL BE MADE AT THE DIRECTION OF THE ARCHITECT. ADJUSTMENTS TO BE REVIEWED AND APPROVED VIA OSHPD CHANGE ORDER. ALL WORK TO BE COMPLETED PER OSHPD APPROVED CONSTRUCTION DOCUMENTS.

19. THE CONTRACTOR SHALL COMPLY WITH ALL CONSTRUCTION SAFETY ORDERS AND TRENCH CONSTRUCTION SAFETY ORDERS OF THE STATE OF CALIFORNIA AND FEDERAL LAWS.

20. IF THE CONTRACTOR SHALL DESIRE TO PROPOSE ALTERNATE PROCEDURES OR THE USE OF ALTERNATE MATERIALS, THAT CONTRACTOR SHALL PAY FOR ALL ENGINEERING SERVICES ASSOCIATED WITH THE DESIGN OR EVALUATION OF THE ALTERNATE AND SHALL PAY ALL ADDITIONAL INSPECTION SERVICES RESULTING FROM THE ALTERNATE. ALTERNATES ARE SUBJECT TO OSHPD CHANGE ORDERS.

CAST-IN-PLACE CONCRETE

1. CONCRETE IS REINFORCED AND CAST-IN-PLACE UNLESS OTHERWISE NOTED. WHERE REINFORCING IS NOT SPECIFICALLY SHOWN OR WHERE DETAILS ARE NOT GIVEN, PROVIDE REINFORCING SIMILAR TO THAT SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER OF RECORD.

2. AT CONSTRUCTION JOINTS AND LOCATIONS WHERE CONCRETE IS CAST AGAINST EXISTING CONCRETE, ROUGHEN SURFACES TO 1/4 INCH AMPLITUDE AND CLEAN SURFACE.

3. CONCRETE CLEAR COVER TO REINFORCING BARS IS AS FOLLOWS, UNLESS OTHERWISE NOTED:

LOCATIONS	CLEAR COVER
CONCRETE PLACED AGAINST THE EARTH	3 INCHES
FORMED SURFACES EXPOSED TO WEATHER OR IN CONTACT WITH EARTH: #5 BARS AND SMALLER #6 BARS AND LARGER	 1 1/2" INCHES 2 INCHES
SLABS ON GRADE (TOP CLEARANCE)	1 1/2" INCHES
BEAMS, GIRDERS AND COLUMNS NOT EXPOSED TO WEATHER OR EARTH	1 1/2" INCHES
WALL OR SLAB SURFACES NOT EXPOSED TO WEATHER OR EARTH: #5 & SMALLER #6 & #7 #8, #9, #10, #11 #14 & #18	 3 /4" INCH 1" INCH 1 1/2" INCHES 2 1/2" INCHES

4. CONCRETE TYPES:

28 DAY F'c (PSI)	TYPE	LOCATION
5000	NORMAL WEIGHT CONCRETE U.O.N. IN DRAWINGS	ALL LOCATIONS U.O.N. IN DRAWINGS

5. CHAMFER: 3/4 INCH ON EXPOSED CORNERS, UON.

6. CONTINUOUSLY MOIST CURE CONCRETE SLABS-ON-GRADE FOR 7 DAYS MINIMUM. WATER FOG SPRAYS, PONDING, SATURATED ABSORPTIVE COVERS, OR MOISTURE RETAINING COVERS MAY BE USED. CURING COMPOUNDS MAY BE USED ONLY AS INDICATED BY THE SPECIFICATIONS.

7. PIPES OR CONDUIT MAY NOT BE PLACED INSIDE CONCRETE FILL OR SLABS ON GROUND.

8. ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI 301.

9. CEMENT SHALL CONFORM TO ASTM C-150.

10. AGGREGATE SHALL CONFORM TO ASTM C-33.

REINFORCING STEEL

1. REINFORCING TO CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:

LOCATIONS	TYPE
REINFORCING STEEL #7 AND SMALLER	ASTM A615, 60 KSI
WELDABLE REINFORCING	ASTM A706, 60 KSI

2. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT FROM DISPLACING
3. DUE TO FORMWORK, CONSTRUCTION, OR CONCRETE PLACEMENT OPERATIONS. LOCATE AND SUPPORT REINFORCING BY METAL CHAIRS, RUNNERS, BOLSTERS,
4. SPACERS, AND HANGERS AT A MAXIMUM 3-FOOT SPACING.
5. TERMINATE REINFORCING STEEL IN STANDARD HOOKS, UNLESS OTHERWISE SHOWN.
6. PROVIDE REINFORCING SHOWN OR NOTED CONTINUOUS IN LENGTHS AS LONG AS PRACTICABLE. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
7. REINFORCING STEEL BE DETAILED IN ACCORDANCE WITH THE "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", LATEST EDITION OF ACI-315.

MECHANICAL ANCHORS IN HARDENED CONCRETE AND MASONRY

1. EXPANSION ANCHOR SYSTEMS:
 A. CONCRETE: HILTI KWIK BOLT TZ2 (ICC ESR 4266), USE ONLY EXPANSION ANCHOR SYSTEMS THAT HAVE BEEN PRE-QUALIFIED IN ACCORDANCE WITH THE PROVISIONS OF ICC-ES AC193, AND APPROVED FOR USE IN CRACKED CONCRETE. ANCHOR SYSTEMS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE ICC-ES EVALUATION SERVICES REPORT FOR THE SPECIFIC ANCHOR, OR AS REQUIRED BY THE MANUFACTURER.

2. WHERE MECHANICAL ANCHORS ARE USED IN A STANDOFF CONFIGURATION (I.E., WHERE THE ATTACHMENT IS SEPARATED FROM THE CONCRETE IN WHICH THE ANCHOR IS INSTALLED), A NUT AND WASHER SHALL BE PROVIDED AT THE CONCRETE SURFACE TO FACILITATE SETTING OF THE ANCHOR AND TO TRANSMIT AXIAL COMPRESSION LOADS INTO THE CONCRETE.

3. THE SPECIAL INSPECTOR SHALL BE ON THE JOBSITE CONTINUOUSLY DURING ANCHOR INSTALLATIONS, UNLESS OTHERWISE NOTED IN TIO, TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, ANCHOR SPACINGS, EDGE DISTANCES, SLAB THICKNESS, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE.

4. THE TENSION TESTING OF THE EXPANSION ANCHORS SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY. IF ANY ANCHORS FAIL THE TENSION-TESTING REQUIREMENTS, THE ADDITIONAL TESTING REQUIREMENTS SHALL BE ACCEPTABLE TO THE ENFORCEMENT AGENCY.

5. TEST QUANTITY OF ANCHORS AS NOTED BELOW:

APPLICATION	QUANTITY
STRUCTURAL	100% OF BOLTS
NON-STRUCTURAL	50% OF BOLTS

6. ANCHORS TO BE TESTED SHALL BE SELECTED AT RANDOM BY THE SPECIAL INSPECTOR.

7. WHERE THE DESIGN TENSION ON ANCHORS IS LESS THAN 75 POUNDS AND THOSE ANCHORS ARE CLEARLY IDENTIFIED ON THE CONTRACT DOCUMENTS, ONLY 10 PERCENT OF THOSE ANCHORS NEED BE TESTED, UNLESS OTHERWISE NOTED BY STRUCTURAL ENGINEER OF RECORD.

8. THE TEST LOAD MAY BE APPLIED BY ANY METHOD THAT WILL EFFECTIVELY TRANSMIT A MEASURABLE TENSION LOAD TO THE ANCHOR. ACCEPTABLE METHODS INCLUDE:
 A. USE OF A HYDRAULIC JACK, WHEREBY EITHER UNCONFINED OR CONFINED TESTING SHALL BE ACCEPTABLE;
 B. USE OF CALIBRATED SPRING LOADED DEVICES; OR
 C. USE OF A CALIBRATED TORQUE WRENCH FOR TORQUE-CONTROLLED EXPANSION ANCHORS.

9. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
 A. HYDRAULIC RAM METHOD: THE ANCHOR SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR EXPANSION ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE.
 B. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN ONE-HALF (1/2) TURN OF THE NUT.

TORQUE TEST LOADS (FOOT-POUNDS)
HILTI KWIK BOLT TZ2 (ICC ESR 4266)
CRACKED CONCRETE, SEISMIC (LRFD), CONDITION B

NOMINAL ANCHOR DIA (IN)	EMBEDMENT DEPTH, Hef (IN)	MIN HOLE DEPTH, H0 (IN)	INSTALLATION TORQUE (FT-LB)
3/8	2	2-3/4	30
1/2	2	2-3/4	50
1/2	3-1/4	4-1/4	50

10. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY.

11. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON- PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS.

12. IF REBAR IS ENCOUNTERED DURING THE DRILLING, THE CONTRACTOR SHALL IMMEDIATELY TERMINATE DRILLING AND CONTACT THE ENGINEER OF RECORD. THE ENGINEER OF RECORD MAY AUTHORIZE USING ONE OF THE FOLLOWING PROCEDURES:
 A. IF THE ANCHOR OR THE REBAR MAY BE SHIFTED, FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. THE MINIMUM CLEAR SPACING BETWEEN AN ABANDONED HOLE AND A DRILLED HOLE USED FOR A POST INSTALLED ANCHOR SHALL NOT BE LESS THAN 1-1/2 ANCHOR DIAMETERS UNLESS OTHERWISE APPROVED BY STRUCTURAL ENGINEER OF RECORD.
 B. IF THE ANCHOR OR REBAR LOCATION MAY NOT BE SHIFTED, THE ENGINEER OF RECORD WILL PROVIDE AN ALTERNATE SOLUTION.

13. IF THE CONCRETE CRACKS DURING THE INSTALLATION OF THE ANCHOR, THE ANCHOR SHALL BE REMOVED OR ABANDONED. NEW ANCHORS AFTER ORIGNAL HAS BEEN REMOVED OR ABANDONED SHALL BE RELOCATED A MINIMUM OF 2.5" FROM THE CENTERLINE OF THE INITIAL LOCATION.

14. NEW ANCHORS SHALL BE LOCATED A MINIMUM OF 2.5" FROM EXISTING CONCRETE ANCHORS.

STRUCTURAL STEEL

1. STRUCTURAL STEEL TO CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED:

SECTIONS	TYPE
ROLLED SHAPES WIDE FLANGES CHANNELS, ANGLES & OTHERS	ASTM A992, GR 50 ASTM 36
PLATES BEAM SHEAR PLATES BEAM STIFFENER PLATES OTHER, UON	ASTM A572, GR 50, UON ASTM 36 ASTM A572, GR 50
BOLTS	ASTMA325X
MACHINE BOLTS	ASTM A307
THREADED ROD	ASTM A572, GR 50
WELDED SHEAR CONNECTORS	ASTM A108 & A29 GRADE 1015 THROUGH 1020, WELDING SHALL CONFORM TO REQUIREMENTS OF AWS D1.1 CLAUSE 7
NUTS FOR BOLTS & MACHINE BOLTS	ASTM A563
HARDENED WASHERS	ASTM F436
UNHARDENED WASHERS	ASTM F844
PLAIN WASHERS	ANSI B18.22.1
BEVELED WASHERS	ANSI B18.23.1

2. HOT-DIP GALVANIZE IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STRUCTURAL STEEL AND FASTENERS THAT ARE PERMANENTLY EXPOSED TO THE WEATHER. REPAIR GALVANIZING AFTER WIELDING IN ACCORDANCE WITH ASTM A780.

3. SHOP PRIME AND PAINT STRUCTURAL STEEL NOT HOT-DIP GALVANIZED. DO NOT SHOP PRIME OR PAINT MEMBERS OR PORTIONS OF MEMBERS IN CONTACT WITH CONCRETE, SURFACES THAT ARE TO BE FIELD WELDED OR FIRE-PROOFED, OR FAYING SURFACES AT SLIP CRITICAL BOLTED CONNECTIONS. SURFACES THAT ARE TO BE FIELD WELDED ARE TO BE FIELD PRIMED AND PAINTED.

STRUCTURAL STEEL (CONT'D)

4. ARC WELDING ELECTRODES / FILLER METALS TO BE LOW HYDROGEN TYPES E7XTX, E7XTXX OR E70XXX MINIMUM AS APPLICABLE.

5. WELDERS TO BE CERTIFIED BY AWS AND GOVERNING JURISDICTION, AND FOR SPECIFIC WELDING APPLICATION AS REQUIRED.

6. WHERE FIELD WELDED IS NOTED, THE DESIGNATION IS GIVEN AS A SUGGESTED CONSTRUCTION PROCEDURE ONLY.

7. CONTRACTOR TO PROVIDE A WPS IN ACCORDANCE WITH SPECIFICATIONS, AWS D1.1 AND D1.8 WHERE APPLICABLE. ALL WPS MUST BE REVIEWED AND APPROVED BY STRUCTURAL ENGINEER OF RECORD AND OSHPD DISTRICT STRUCTURAL ENGINEER (DSE) PRIOR TO CONSTRUCTION.

8. DETAIL, FABRICATE AND ERECT IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL STEEL FOR BUILDINGS".

ADHESIVE ANCHORS AND DOWELS

1. ANCHORS AND DOWELS INSTALLED INTO CONCRETE: HILTI HY-200 (ICC-ESR-3187) OR HILTI HIT-RE 500 V3 (ICC-ESR-3814). CONTRACTOR MAY SUBMIT ALTERNATES FOR SEOR AND OSHPD APPROVAL. ALL EMBEDMENT DEPTHS NOTED ON DRAWINGS ARE EFFECTIVE EMBEDMENT PER MANUFACTURER. USE ONLY ADHESIVE ANCHOR SYSTEMS THAT HAVE BEEN PRE-QUALIFIED IN ACORDANCE WITH THE PROVISIONS OF ICC-ES AC308, APPROVED FOR USE IN CRACKED CONCRETE. ANCHOR SYSTEMS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE ICC-ES EVALUATION SERVICES REPORT FOR THE SPECIFIC ANCHOR, AND AS REQUIRED BY THE MANUFACTURER.

2. ANCHORS: ASTM A36 THREADED RODS WITH ASTM A563 GRADE A NUTS AND ANSI B18.22.1 TYPE A WASHERS, UNLESS OTHERWISE NOTED. ANCHORS DESIGNATED AS ASTM A193 GRADE B7 THREADED RODS TO USE ASTM A563 GRADE DH HEAVY HEX NUTS AND ASTM F436 WASHERS.

3. REBAR DOWELS: ASTM A615 GRADE 60 REINFORCING STEEL.

4. REMOVE GREASE, OIL, RUST & ANY OTHER LAITANCE FROM DOWELS PRIOR TO INSTALLATION.

5. THE SPECIAL INSPECTOR SHALL BE ON THE JOBSITE CONTINUOUSLY DURING ANCHOR INSTALLATIONS, UNLESS OTHERWISE NOTED IN ICC-ES ESR, TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, ANCHOR SPACINGS, EDGE DISTANCES, SLAB THICKNESS, ANCHOR EMBEDMENT, AND TENSION TEST LOAD.

6. THE TENSION TESTING OF THE ADHESIVE ANCHORS SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY. IF ANY ANCHORS FAIL THE TENSION-TESTING REQUIREMENTS, THE ADDITIONAL TESTING REQUIREMENTS SHALL BE ACCEPTABLE TO THE GOVERNING AGENCY.

7. TEST QUANTITY OF ANCHORS AS NOTED BELOW:

APPLICATION	QUANTITY
STRUCTURAL	100% OF BOLTS
NON-STRUCTURAL	50% OF BOLTS

8. ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS.

9. WHERE ADHESIVE ANCHOR SYSTEMS ARE USED TO INSTALL REINFORCING DOWEL BARS, ONLY 25% OF THE DOWELS NEED BE TESTED IF THE FOLLOWING CONDITIONS ARE MET:
 A. THE DOWELS ARE USED EXCLUSIVELY TO TRANSMIT SHEAR FORCES ACROSS JOINTS BETWEEN EXISTING AND NEW CONSTRUCTION;
 B. THE NUMBER OF DOWELS IN ANY ONE MEMBER EQUALS OR EXCEEDS 12;
 C. THE DOWELS ARE UNIFORMLY DISTRIBUTED ACROSS SEISMIC FORCE RESISTING MEMBERS (SUCH AS SHEAR WALLS, COLLECTORS AND DIAPHRAGMS)

10. TESTING OF SHEAR DOWELS ACROSS COLD JOINTS IN SLABS ON GRADE WHERE THE SLAB IS NOT PART OF THE LATERAL FORCE-RESISTING SYSTEM IS NOT REQUIRED. SLABS ON GRADE NOT TO PART OF LATERAL-FORCE RESISTING SYSTEM, UON ON PLANS.

11. REPLACE ANCHORS AND DOWELS THAT FAIL DURING TESTING AND RETEST. IF MORE THAN 10% OF THE TESTED DOWELS AND ANCHORS FAIL TO ACHIEVE THE SPECIFIED TEST LOAD, TEST 100% OF THE DOWELS AND ANCHORS IN THE LAST 2 DAYS OF ANCHOR INSTALLATION.

12. A HYDRAULIC CYLINDER SHALL BE USED TO APPLY THE TENSION TEST LOAD TO THE ANCHOR WITH THE CYLINDER SUPPORTED ON A LOADING PLATE HAVING A HOLE DIAMETER EQUAL TO 1.5 TO 2.0 TIMES THE ANCHOR HOLE DIAMETER (CONFINED CONFIGURATION) UNLESS OTHERWISE APPROVED BY THE GOVERNING AGENCY.

13. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
 A. HYDRAULIC RAM METHOD: THE ANCHOR SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. IN THE CASE WHERE OTHER THAN BOND IS BEING TESTED, THE TESTING DEVICE SHALL NOT RESTRICT THE CONCRETE SHEAR CONE TYPE FAILURE MECHANISM FROM OCCURRING.

14. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY.

15. ALL HOLES FOR POST-INSTALLED ANCHORS SHALL BE DRILLED, CLEANED AND PREPARED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND THE APPLICABLE ICC-ESR. ALL DEBRIS SHALL BE REMOVED BY IN-HOLE BRUSHING COMBINED WITH VACUUM OR OIL-FREE COMPRESSED AIR. JETTING HOLES WITH WATER IS NOT PERMITTED. WHERE AN ANCHOR DOES NOT SET PROPERLY, OR FAILS A TENSION TEST, OR REINFORCEMENT IS ENCOUNTERED DURING DRILLING, THE DRILLED HOLE MAY NOT BE REUSED. ABANDONED HOLES SHALL BE FILLED WITH NON- SHRINK GROUT. THE MINIMUM CLEAR SPACING BETWEEN AN ABANDONED HOLE AND A DRILLED HOLE USED FOR A POST-INSTALLED ANCHOR SHALL NOT BE LESS THAN 1-1/2 ANCHOR DIAMETERS UNLESS OTHERWISE APPROVED BY THE ENFORCEMENT AGENCY. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER OR RECORD WILL DETERMINE A NEW LOCATION.

16. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH ADHESIVE ANCHORS.

17. REQUIRED TEST LOADS SHALL BE DETERMINED AS TWICE THE MAXIMUM ALLOWABLE TENSION LOAD OR ONE AND A QUARTER (1.25) TIMES THE MAXIMUM DESIGN STRENGTH OF THE ANCHORS AS PROVIDED IN THE ICC-ES REPORT FOR THE ANCHOR OR DETERMINED IN ACCORDANCE WITH APPENDIX D OF ACI 318-14. TENSION TEST LOADS NEED NOT EXCEED 80% OF THE NOMINAL YIELD STRENGTH OF THE ANCHOR ELEMENT. SPECIFIC TENSION TEST LOADS ARE INDICATED IN THE ANCHORAGE DETAILS.

18. IF REBAR IS ENCOUNTERED DURING THE DRILLING, THE CONTRACTOR SHALL IMMEDIATELY TERMINATE DRILLING AND CONTACT THE SEOR. THE SEOR WILL AUTHORIZE USING ONE OF THE FOLLOWING PROCEDURES:
 A. IF THE ANCHOR MAY BE SHIFTED, FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. THE MINIMUM CLEAR SPACING BETWEEN AN ABANDONED HOLE AND A DRILLED HOLE USED FOR A POST INSTALLED ANCHOR SHALL NOT BE LESS THAN 1-1/2 ANCHOR SHALL APPROVED BY THE SEOR & GOVERNING AGENCY.
 B. IF THE ANCHOR LOCATION MAY NOT BE SHIFTED, A REVISED ANCHORAGE MAY BE DESIGNED AND INCORPORATED IN AN AMENDED CONSTRUCTION DOCUMENT.

DESIGN CRITERIA

1. APPLICABLE CODE: 2022 CALIFORNIA BUILDING CODE WITH OSHPD AMENDMENTS.

2. SEISMIC DESIGN FOR NONSTRUCTURAL COMPONENTS:
 A. ANALYSIS PROCEDURE: LINEAR STATIC ANALYSIS FOR NON STRUCTURAL COMPONENTS PER ASCE 7-16 CHAPTER 13.
 B. LATERAL SEISMIC DESIGN FORCES:
  a) $F_p = \frac{0.4\, a_p S_{DS} W_p}{R_p/I_p} (1+2\ z/_{hr})$
  b) $F_{pMIN.} = 0.3\ S_{DS} I_p\ W_p$
  c) $F_{pMAX.} = 1.6\ S_{DS} I_p\ W_p$
 C. OCCUPANCY CATEGORY = IV
 D. IMPORTANCE FACTOR = 1.5
 E. SOIL SITE CLASS = D
 F. SEISMIC DESIGN CATEGORY = D
 G. SEISMIC GROUND MOTION VALUES
  a) $S_S = 0.55$
  b) $S_1 = 0.248$
  c) $S_{DS} = 0.499$
  d) $S_{D1} = 0.348$

STRUCTURAL TEST, INSPECTIONS, AND OBSERVATIONS

1. AN INDEPENDENT TESTING AGENCY AND SPECIAL INSPECTORS WILL BE RETAINED BY THE OWNER TO PERFORM TESTS AND INSPECTIONS IN ACCORDANCE WITH THE APPROVED OSHPD TESTING. INSPECTION AND OBSERVATION PROGRAM. PROVIDE ACCESS AND FURNISH SAMPLES TO THE AGENCY AS REQUIRED.

2. IF INITIAL TESTS OR INSPECTIONS MADE BY THE OWNER'S TESTING AGENCY REVEAL THAT ANY PORTION OF THE WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, ADDITIONAL TESTS, INSPECTIONS, AND NECESSARY REPAIRS WILL BE MADE AT CONTRACTOR'S EXPENSE.

SUBMITTALS

1. SUBMIT REQUIRED SUBMITTALS TO THE DESIGN PROFESSIONAL OF RECORD FOR REVIEW. REQUIRED SUBMITTALS INCLUDE THE FOLLOWING:

 1.1. MECHANICAL & ADHESIVE ANCHORS:
  A. PRODUCT DATA FOR EACH TYPE OF ANCHOR USED OR ADHESIVE ANCHORING SYSTEM USED AND INSTALLER CERTIFICATION AS REQUIRED BY ACI 318-14.

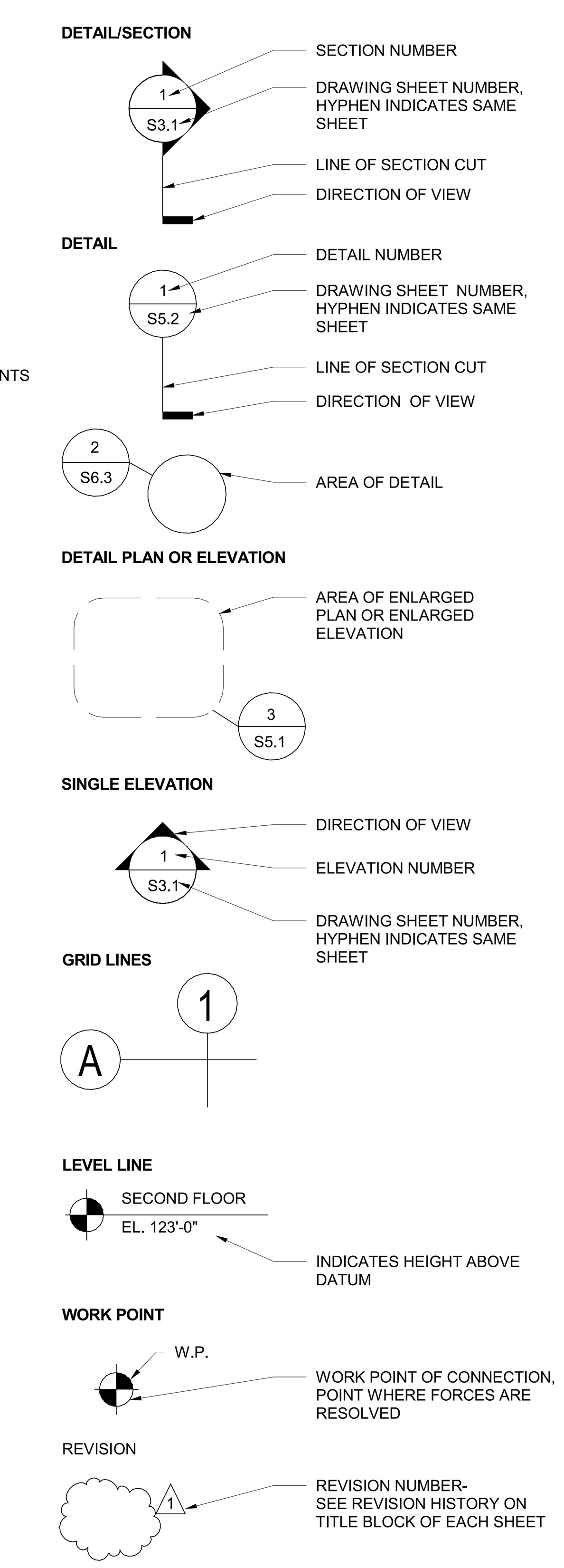
 1.2. CONCRETE:
  A. PROVIDE CONCRETE MIX DESIGN IN ACCORDANCE W/ 2022 CBC, ACI 318. AND SPECIFICATIONS. ALL CONCRETE MIX DESIGN MUST BE REVIEWED AND APPROVED BY STRUCTURAL ENGINEER OF RECORD (SEOR) AND OSHPD DISTRICT STRUCTURAL ENGINEER (DSE) PRIOR TO CONSTRUCTION.

ABBREVIATIONS

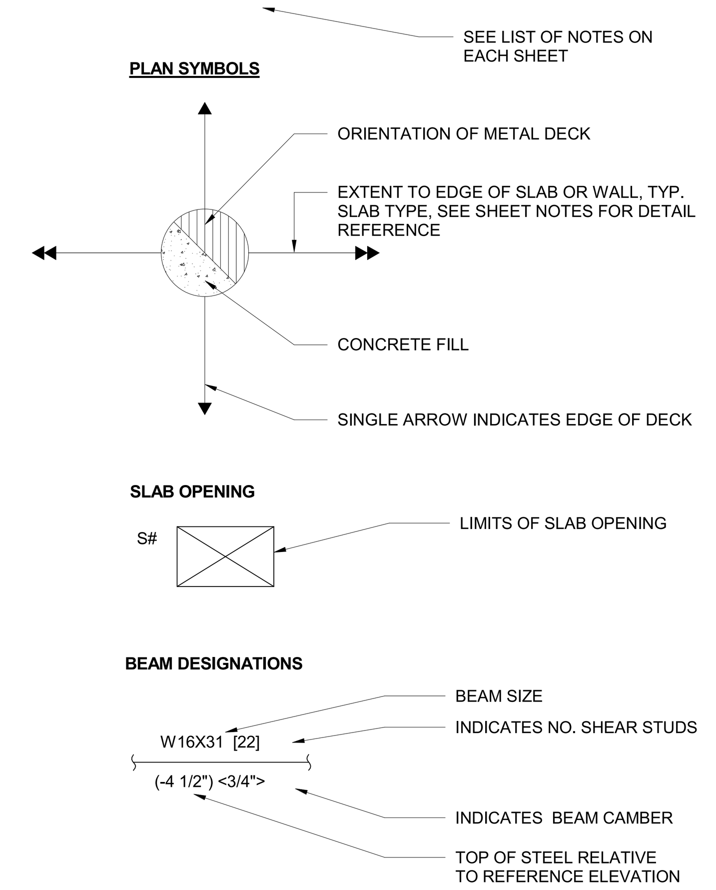
(E)	EXISTING
#	NUMBER
&	AND
@	AT
Ø	DIAMETER OR ROUND
ℓd	DEVELOPMENT LENGTH
ℓdh	HOOK DEVELOPMENT LENGTH
ℓs	LAP SPLICE LENGTH
AA	ADHESIVE ANCHOR
ABV	ABOVE
AC	ASPHALT CONCRETE
ADD'L	ADDITIONAL
ADJ	ADJACENT
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
AR	ANCHOR ROD
ARCH	ARCHITECTURAL / ARCHITECT
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY for TESTING and MATERIALS
AWG	AMERICAN WIRE GAUGE
BF	BOTH FACES
BLDG	BUILDING
BLK, BLKG	BLOCK or BLOCKING
BM, BMS	BEAM, BEAMS
BN	BOUNDARY NAILING
BO	BOTTOM OF
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
BRBF	BUCKING RESTRAINED BRACE FRAME
BRG	BEARING
BS	BOTH SIDES
BSMT	BASEMENT
BTWN	BETWEEN
BW	BOTH WAYS
C	CHANNEL
CIP	CAST IN PLACE
CJ	CONSTRUCTION JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CSK	COUNTERSINK
CTR	CENTER
d	PENNY (NAIL SIZE)
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DEMO	DEMOLITION
DET, DETS	DETAIL, DETAILS
DIAG	DIAMETER
DIM, DIMS	DIMENSION, DIMENSIONS
DIST	DISTANCE
DK, DKG	DECK or DECKING
DN	DOWN
DO	DITTO
DP	DEEP
DWG, DWGS	DRAWING, DRAWINGS
DWL, DWLS	DOWEL, DOWELS
EA	EACH
EBF	ECCENTRIC BRACE FRAME
EF	EACH FACE
EJ	EXPENSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMBED	EMBEDMENT
EN	EDGE NAILING
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXCAV	EXCAVATION
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FF	FAR FACE
FIN	FINISH
FLG	FLANGE
FLR, FLRS	FLOOR, FLOORS
FN	FIELD NAILING
FO	FACE OF
FOC	FACE OF CONCRETE
FOS	FACE OF STUD
FP	FIREPROOF
FS	FAR SIDE
FT	FOOT OR FEET
FTG, FTGS	FOOTING, FOOTINGS
GA	GAUGE
GALV	GALVANIZED
GLB	GLU-LAM BEAM
GR	GRADE
GRND	GROUND
HDG	HOT DIPPED GALVANIZED
HDR	HEADER
HK, HKS	HOOK, HOOKS
HORIZ, (H)	HORIZONTAL
HP	HIGH POINT
HSB	HIGH STRENGTH BOLTS
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
ID	INSIDE DIAMETER/DIMENSION
INFO	INFORMATION
JST,JSTS	JOIST, JOISTS
JT	JOINT
KO	KNOCK-OUT
L	ANGLE
LEV	LEVEL
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LONGIT	LONGITUDINAL
LP	LOW POINT
LT	LIGHT
LWC	LIGHTWEIGHT CONCRETE

MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING DOCUMENTS
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTL	METAL
NF	NEAR FACE
NIC	NO IN CONTRACT
NOM	NOMINAL (DIAMETER)
NS	NEAR SIDE
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
P-T	POST-TENSION
PC, PCS	PIECE, PIECES
PCC	PRECAST CONCRETE
PERP	PERPENDICULAR
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLYWD	PLYWOOD
PTN	PARTITION
R	RADIUS
REBAR	REINFORCING BAR
REF	REFERENCE
REINF	REINFORCING
REQ'D	REQUIRED
REV	REVISION
RFG	ROOFING
RO	ROUGH OPENING
RSJ	ROLLED STEEL JOIST
S.A.D.	SEE ARCHITECTURAL DOCUMENTS/DRAWINGS
S.M.D.	SEE MECHANIAL DRAWINGS
SCHED	SCHEDULE
SECT	SECTION
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SL	SLOPE
SMF	SPECIAL MOMENT FRAME
SMS	SHEET METAL SCREW
SOG	SLAB ON GRADE
SPEC, SPECS	SPECIFICATION, SPECIFICATIONS
SPSW	SPECIAL PLATE SHEAW WALL
SQ	SQUARE
SS	STAINLESS STEEL
STAG	STAGGER or STAGGERED
STD	STANDARD
STIF	SFIFFENER
STIR	STIRRUP OR STIRRUPS
STL	STEEL
STRUCT	SUBSTITUTE
SUB	STRUCTURAL
SUSP	SUSPENDED
SYMM	SYMMETRICAL
T&B	TOP AND BOTTOM
T&G	TONGUE and GROOVE
T.O.	TOP OF
THK	THICK
THRD	THREADED
THRU	THROUGH
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TR	TREAD
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
URM	UNREINFORCED MASONRY
VENT	VENTILATE
VERT, (V)	VERTICAL
VIF	VERIFY IN FIELD
W or WF	WIDE FLANGE
W/	WITH
W/O	WITHOUT
WD	WOOD
WP	WORK POINT
WT	WEIGHT/TEE SECTION
WWM	WELDED WIRE MESH
X HVY	EXTRA HEAVY
X STR	EXTRA STRONG
XX HVY	DOUBLE EXTRA HEAVY
XX STR	DOUBLE EXTRA STRONG

REFERENCE SYMBOLS



PLAN SYMBOLS



SHEET LIST

Sheet Number	Sheet Name
S0.01	GENERAL NOTES
S2.01	BASEMENT LEVEL OVERALL PLAN
S2.02	NOT USED
S2.03	EQUIPMENT AND ACCESSORIES PLANS - BASEMENT
S2.04	EQUIPMENT AND ACCESSORIES PLANS - BASEMENT
S2.14	NOT USED
S4.00	EQUIPMENT SCHEDULES & DETAILS
S4.01	DETAILS
S4.02	OPM DETAILS
S4.03	DETAILS
S5.00	TEMPORARY BARRIER DETAILS
S5.01	TEMPORARY BARRIER DETAILS
S5.02	TEMPORARY BARRIER DETAILS
S5.03	TEMPORARY BARRIER DETAILS
S6.00	CFS DETAILS

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DEVON LUMBARD
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www.degenkolb.com
DE Job Number: B9953015.02

THIS ISSUE:	ISSUED FOR	Date
1	HCAi RESPONSES	9/16/2024
ACD001	ACD001	7/3/2025

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Account No.: 9558910
HCAi No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: GENERAL NOTES

Arch.\Engr. DAL	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: As indicated	S0.01
Designed By: CWH	Issue Date:	
Drawn By: CWH	Revit Version: 2025	

Autodesk Docs://B9953015.02-UCDH Pharmacy Remodel/B9953015.02_UCDH Pharmacy Remodel_S25.rvt

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GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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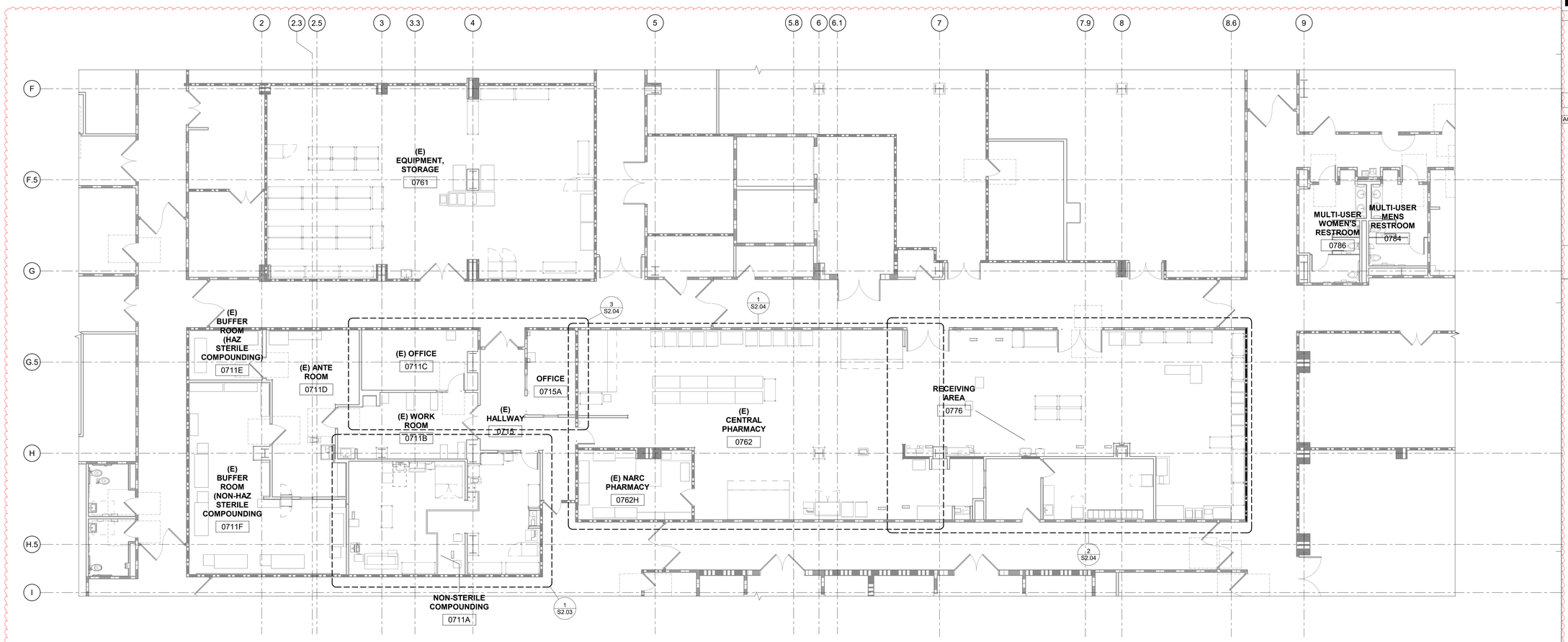
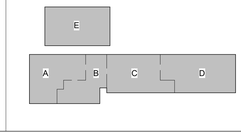


ACD001

1 LOWER LEVEL PARTIAL PLAN - OVERALL PHARMACY
1/8" = 1'-0"

KEY MAP



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Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: BASEMENT LEVEL OVERALL PLAN

Arch.\Engr. DAL	FD&C Job No. JOB NO.	SHEET NO. S2.01
UCDMC Project Mgr. AA	Scale: 1/8" = 1'-0"	
Designed By: CWH	Issue Date:	
Drawn By: CWH	Revit Version: 2025	

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SHEET NO LONGER NEEDED

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Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: NOT USED

Arch.\Engr. DAL	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale:	**S2.02**
Designed By: CWH	Issue Date:	
Drawn By: CWH	Revit Version: 2025	

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0 2' 1 1/2" = 1'-0"
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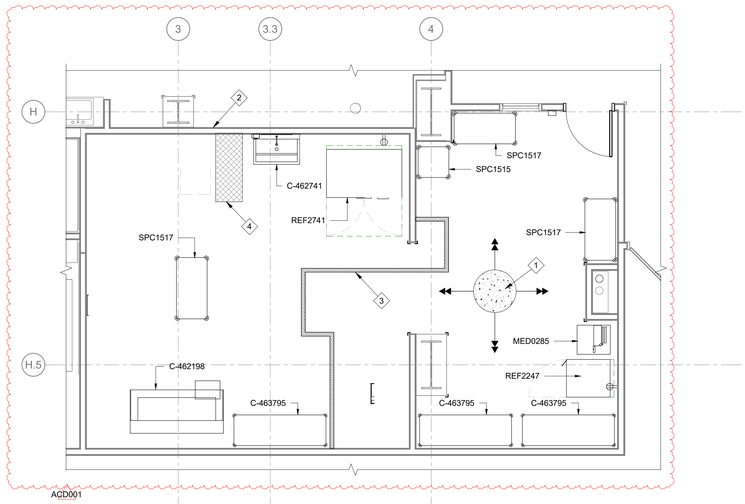
PLAN NOTES:

1. SEE ARCH DRAWINGS FOR FINAL LOCATIONS OF ALL EQUIPMENT.
2. NEW EQUIPMENT, RELOCATED EQUIPMENT, AND EXISTING EQUIPMENT REQUIRING STRUCTURAL ANCHORAGE ARE IDENTIFIED ON PLANS. REFER TO SCHEDULE ON S4.00 FOR ANCHORAGE DETAILS.
3. EXISTING EQUIPMENT, FURNITURE, & OTHER NON-STRUCTURAL COMPONENTS REMAINING IN PLACE AND NOT REQUIRING ANCHORAGE ARE NOT IDENTIFIED FOR CLARITY.

KEY NOTES:

1. (E) 5" CONCRETE SLAB ON GROUND W/ #4 @ 12" OC, EW
2. PARTITION WALLS PER ARCH. MIN 3-5/8"X16GA STUDS @ 12" OC
3. TEMP BARRIER PER S5.00 THROUGH S5.04. SEE ARCH FOR LOCATIONS
4. TRENCH IN SLAB ON GROUND. SEE ARCH & PLUMBING FOR EXACT LOCATIONS. REPAIR PER 17/S4.00

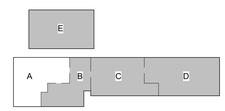
ACD001



ACD001

1 ENLARGED BASEMENT EQUIPMENT PLAN - PHASE 1 - UNIT DOSE
1/4" = 1'-0"

KEY MAP



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HCAI No: S241013-34-00
Bldg. No: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: EQUIPMENT AND ACCESSORIES PLANS - BASEMENT

Arch.\Engr. DAL	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	S2.03
Designed By: CWH	Issue Date:	
Drawn By: CWH	Revit Version: 2025	

7/3/2025 12:04:03 PM Autodesk Docs://B9953015.02-UCDH Pharmacy Remodel/B9953015.02_UCDH Pharmacy Remodel_S25.rvt

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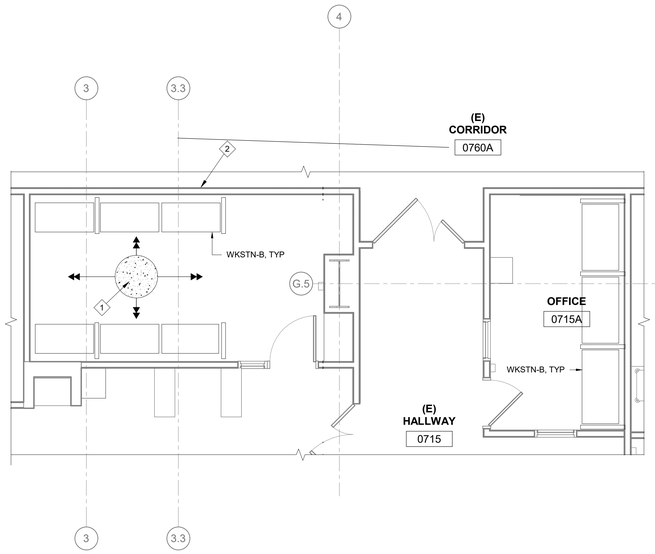
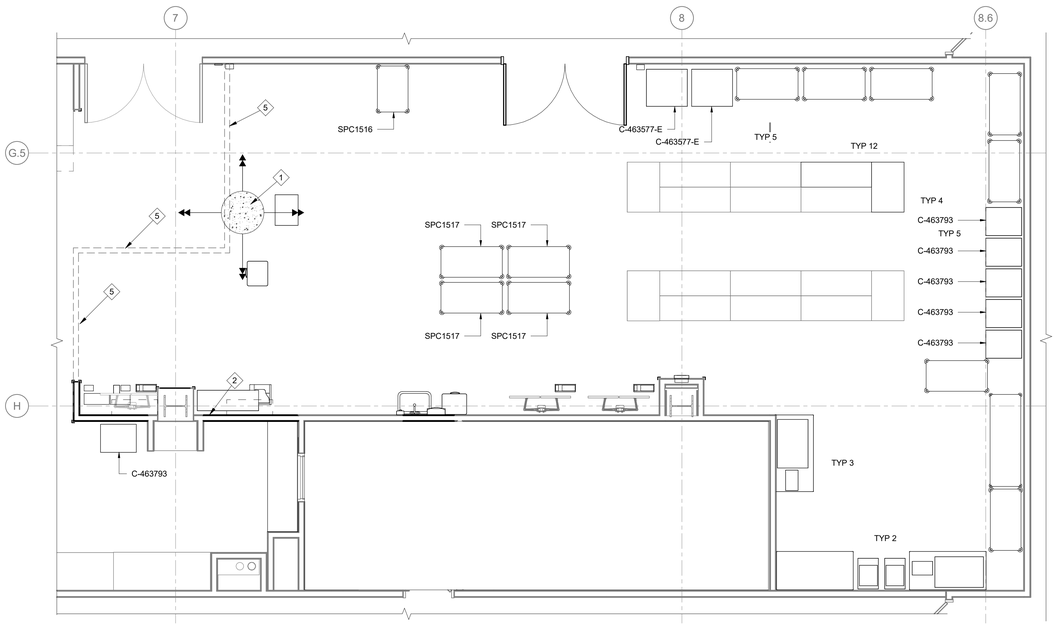
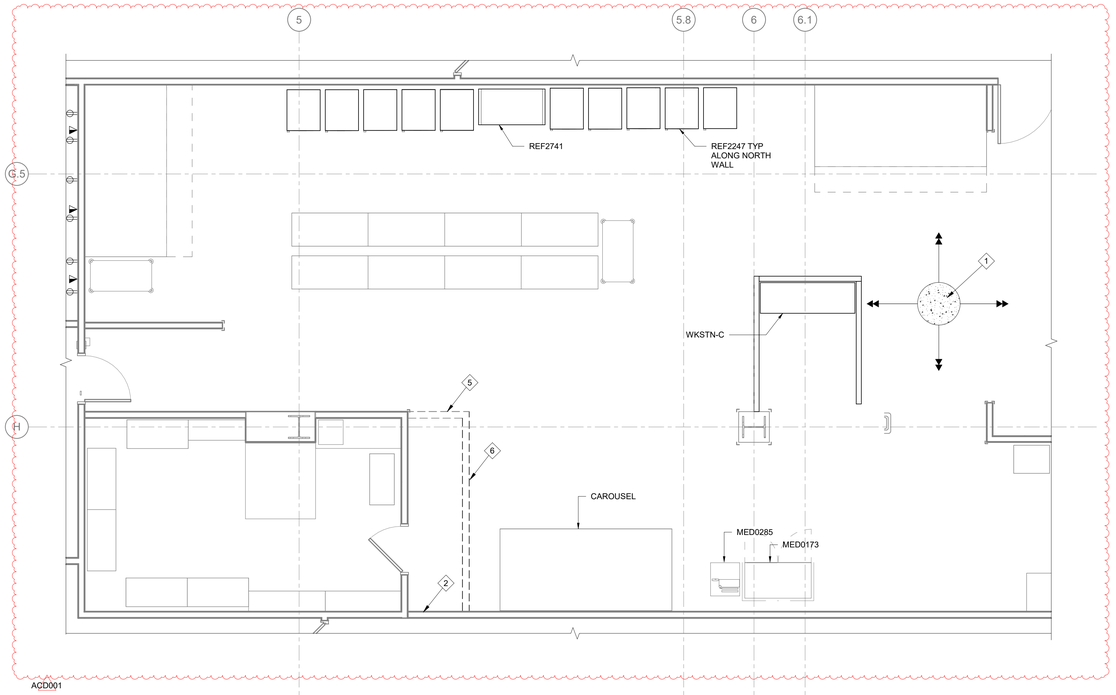


3 ENLARGED BASEMENT EQUIPMENT PLAN - PHASE 1 & 2 - OFFICE
1/4" = 1'-0"

ACD001



2 ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 2 - EQUIPMENT
1/4" = 1'-0"



1 ENLARGED BASEMENT REMODEL FLOOR PLAN - PHASE 2 - EQUIPMENT
1/4" = 1'-0"

ACD001

PLAN NOTES:

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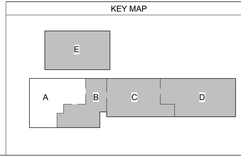
3. EXISTING EQUIPMENT, FURNITURE, & OTHER NON-STRUCTURAL COMPONENTS REMAINING IN PLACE AND NOT REQUIRING ANCHORAGE ARE NOT IDENTIFIED FOR CLARITY.

KEY NOTES:

1. (E) 5" CONCRETE SLAB ON GROUND W/ #4 @ 12" OC, E.W.
2. PARTITION WALLS PER ARCH. MIN 3-5/8"X16GA STUDS @ 16" OC
3. NOT USED ACD001
4. NOT USED
5. (E) PARTITION WALL CONVERTED TO SUSPENDED BULKHEAD. SEE ARCH FOR LOCATIONS & EXTENTS. SEE S6.00 FOR REQUIRED BRACING, FASTENERS, AND ANCHORAGE TO FLOOR DECK ABOVE.
6. NEW BULKHEAD. SAD FOR WALL STUD FRAMING SIZES. SEE 6.00 SIM FOR REQUIRED BRACING, FASTNERS, & ANCHORAGE TO FLOOR DECK ABOVE.

ACD001

KEY MAP



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Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: EQUIPMENT AND ACCESSORIES PLANS - BASEMENT

Arch.\Engr. DAL	FD&C Job No. JOB NO.	SHEET NO. S2.04
UCDMC Project Mgr. AA	Scale: 1/4" = 1'-0"	
Designed By: CWH	Issue Date:	
Drawn By: CWH	Revit Version: 2025	

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Sheet Title: NOT USED

Arch.\Engr. DAL	FD&C Job No. JOB NO.	SHEET NO. S2.14
UCDMC Project Mgr. AA	Scale:	
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Drawn By: CWH	Revit Version: 2025	

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ACD001

0 5' 50' — 0 5' 25' — 0 1' 12' — 0 1' 6' — 0 4' — 0 1' 3' — 0 2' — 0 1'

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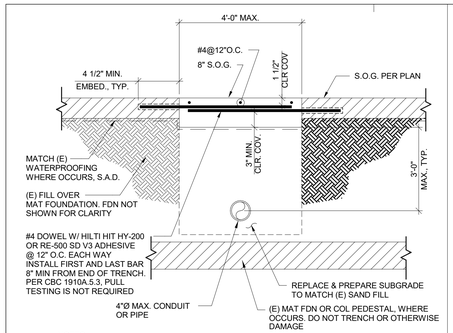
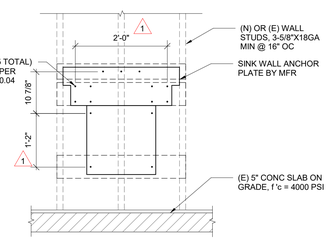


NOTES:
1. CONTRACTOR TO COORDINATE CONDUIT LOCATION SO AS NOT TO DAMAGE ANY EXISTING FOUDATION. IF CONFLICTS ARISE, CONTRACTOR TO CONTACT MEP ENGINEER FOR REROUTING OF UTILITY LINE.

17 SOG TO EXISTING SOG REPAIR DETAIL
N.T.S.

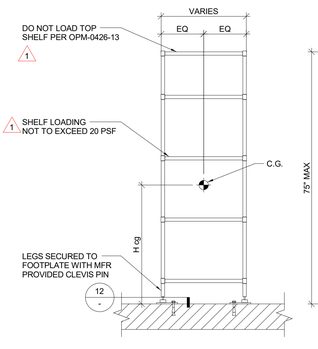


NOTES:
1. ALL FASTENERS SUPPLIED BY OTHERS.
2. WALL ANCHOR POINTS CORRESPOND WITH 5/16"Ø SLOTS IN SINK TURNBACK.

13 SINK ANCHORAGE
3/4" = 1'-0"

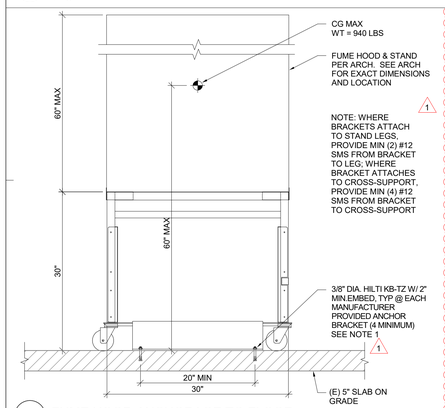
EQUIP. ID	DESCRIPTION	MFR	CLASSIFICATION	OSHPD DOCUMENTS		MAX WEIGHT Wp (LB)	GROSS DIMENSIONS (IN)			Hcg (IN)	ap	Rp	z/h	MOUNTING	EXEMPTION	ANCHORAGE DETAIL
				OPM/OPA	OSP		W	L	H							
MEDICAL EQUIPMENT																
CAROUSEL	CAROUSEL	MEDISCA	FIXED	OPM-0135-13	-	12300	64	135	100.7	68	1	1.5	0	FLOOR		6/-
MED0173	PYXIS MEDSTATION 4000 DOUBLE TOWER	BECTON, DICKINSON	MOVABLE	OPM-0207	-	2050	52	28	80	40	1	2.5	0	FLOOR		8/S4.01
MED0285	MEDSTATION 3500 DRAWER UNIT, 6-DRAWER	CAREFUSION	MOVABLE	OPM-0207	-	1050	27	23	47	24	1	2.5	0	FLOOR		8/S4.01
SPC1515	SUPPLY CART, 24 INCH	INTERMETRO	MOVABLE	OPM-0426-13	-	450	24	24	75	35	1	2.5	0	FLOOR		18/- OR 7/-
SPC 1516	SUPPLY CART, 36 INCH	INTERMETRO	MOVABLE	OPM-0426-13	-	650	36	24	75	35	1	2.5	0	FLOOR		18/- OR 7/-
SPC1517	SUPPLY CART, 48 INCH	INTERMETRO	MOVABLE	OPM-0426-13	-	800	48	24	75	35	1	2.5	0	FLOOR		18/- OR 7/-
C-462795	SUPPLY CART, 60 INCH	INTERMETRO	MOVABLE	OPM-0426-13	-	1000	60	24	75	35	1	2.5	0	FLOOR		18/- OR 7/-
SPC1518	SUPPLY CART, 72 INCH	INTERMETRO	MOVABLE	OPM-0426-13	-	1200	72	24	75	35	1	2.5	0	FLOOR		18/- OR 7/-
FRZ2321	FREEZER, PHARMACY, 1 DOOR	HELMER	MOVABLE			1100	29	34.4	80.3	54	1	2.5	0	FLOOR		S/S4.01 1
REF2247	REFRIGERATOR, PHARMACY, 1 DOOR	HELMER	MOVABLE	-	-	1220	29.5	37.75	79.5	53	1	2.5	0	FLOOR		4/-
REF2741	REFRIGERATOR, PHARMACEUTICAL, 2 DOOR	HELMER	MOVABLE	-	-	2250	59	34	79.5	53	1	2.5	0	FLOOR		6/S4.01
C-463577-E	BKG M23 REFRIGERATOR, 23CF	CUBIXX	MOVABLE	-	-	1000	32	26	80	53	1	2.5	0	FLOOR		4/-
C-463795	CARRIER STORAGE	SWISSLOG	MOVABLE		-	150	72	24	74	50	1	2.5	0	FLOOR	<400 LB, Hcg<48"	N/A
C-462198	HOOD, HORIZONTAL LAMINAR FLOW	LABCONCO	MOVABLE	-	-	940	29	60	72	48	1	2.5	0	FLOOR		19/- ACD001
CBS0166	HOOD+STAND, VERTICAL LAMINAR FLOW	GERMFREE	MOVABLE	-	-	660	31	72.5	103.5	69	1	2.5	0	FLOOR		19/-
C-463793	SUPPLY CART, BIN/BASKET	INTERMETRO	MOVABLE	-	-	800	22	28	72	48	1	2.5	0	FLOOR		18/-
WKSTN-B	POWERED WORKSTATION PANELS	STEELCASE	MOVABLE	OPM-0364-13	-	2505	147	72	60	41.1	1	2.5	0	FLOOR		16/-
WKSTN-C	POWERED WORKSTATION PANELS	HERMAN MILLER	MOVABLE	OPA-2113-10	-	1150	102	72	60	42	1	2.5	0	FLOOR		6/S4.03 ACD001
MECHANICAL, ELECTRICAL, PLUMBING EQUIPMENT																
PEF-1, PEF-2	EXHAUST BLOWER	GREENHECK	FIXED	-	OSP-0575 1	220	27	32	31	20	2.5	2 1	0.14	FLOOR		2/M5.01
VFD	VARIABLE FREQUENCY DRIVE		FIXED	-	-	100	12	19	51	50	2.5	6	0.14	FLOOR		6/M5.01
C-462741	ADA SCRUB SINK	JUST MFG	FIXED	-	-	130	30	22	27	22	1	2.5	0	WALL		13/- OR 10/S4.01

10 EQUIPMENT SCHEDULE
N.T.S.



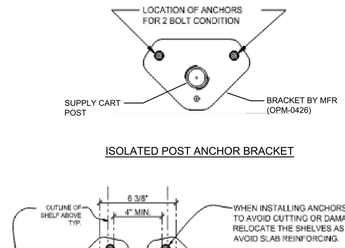
NOTE: CARTS WITH WHEELS MAY BE SECURED TO PARTITION WALL PER 7/-.

18 SUPPLY CART W/ FOOTPLATE BY MFR
N.T.S.

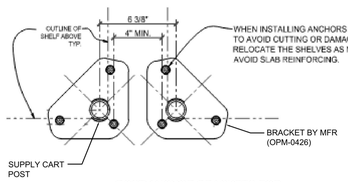


19 FUME HOOD ANCHORAGE TO FLOOR
N.T.S.

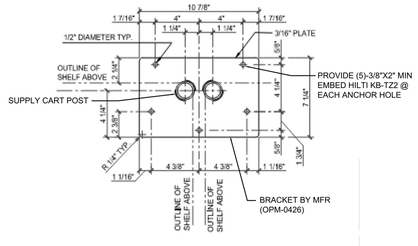
ACD001



ISOLATED POST ANCHOR BRACKET

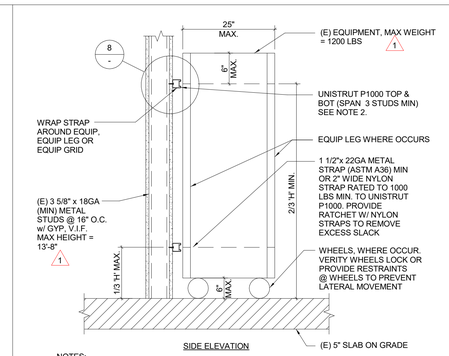


POST ANCHOR BRACKETS FOR ADJACENT RACKS



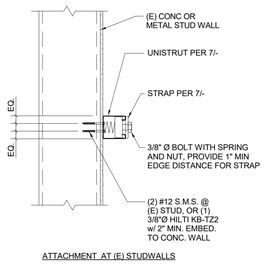
SHARED POST ANCHOR BRACKETS FOR IMMEDIATELY ADJACENT RACKS

12 SUPPLY CART BASE ANCHORAGE (OPM-0426)
N.T.S.



NOTES:
1. SEE EQUIPMENT MATRIX FOR UNIT WEIGHT AND DIMENSIONS.
2. PROVIDE P5000 OR P1001 WHERE A DEEPER SECTION IS REQUIRED DUE TO OBSTRUCTIONS

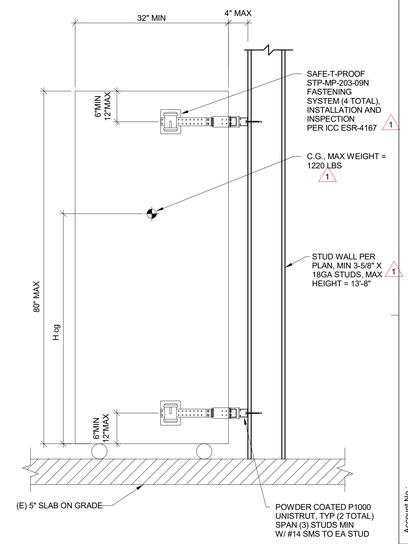
7 EQUIPMENT ATTACHMENT DETAIL
N.T.S.



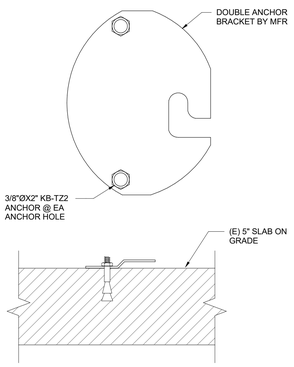
ATTACHMENT AT (E) STUDWALLS

NOTES:
1. REMOVE ANY EXCESSIVE SLACK IN STRAP TO PROVIDE TIGHT FIT BETWEEN EQUIPMENT AND STUD WALL.
2. SEE 12/- FOR NYLON STRAP ATTACHMENT TO UNISTRUT

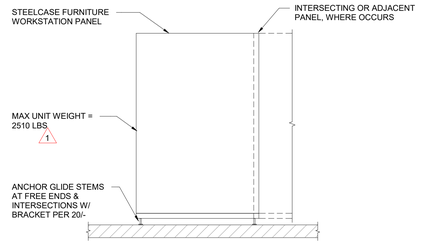
8 METAL STRAP ATTACHMENT DETAIL
N.T.S.



4 MOVABLE EQUIPMENT ANCHORAGE TO WALL
N.T.S.



20 STEELCASE FURNITURE PANEL ANCHOR BRACKETS
3" = 1'-0"



NOTES:
1. REFER TO MFR DIRECTIONS ON ANCHOR BRACKET ORIENTATION FOR VARIOUS INTERSECTION SCENARIOS.
2. SEE SHEET S4.02 FOR APPLICABLE OPM SHEETS. 1

16 STEELCASE FURNITURE PANEL ASSEMBLY ANCHORAGE (OPM-0364)
1/2" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER DEVON LUMBARD No. S 5552 Exp. 12-31-2025 STRUCTURAL STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

Degenkolb
DEGENKOLB ENGINEERS
428 J Street, Suite 500
Sacramento, CA 95814
916.418.9100 PHONE
www.degenkolb.com

DE Job Number: B9953015.02

THIS ISSUE:	ISSUED FOR	Date
1	HCAi RESPONSES	9/16/2024
ACD001	ACD001	7/3/2025

100% CONSTRUCTION DOCUMENTS

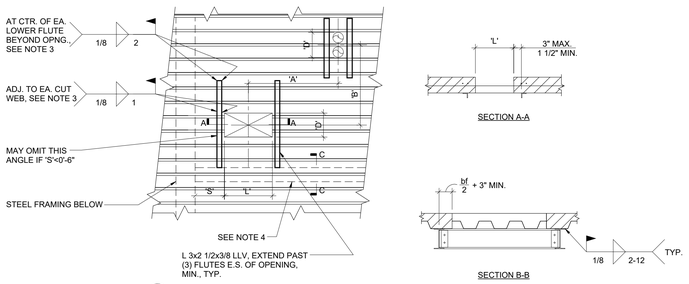
Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: EQUIPMENT SCHEDULES & DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	S4.00
Designed By: Author	Issue Date:	
Drawn By: Author	Revit Version: 2025	

7/3/2025 12:04:05 PM Autodesk Docs://B9953015.02-UCDH Pharmacy Remodel/B9953015.02_UCDH Pharmacy Remodel_S25.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

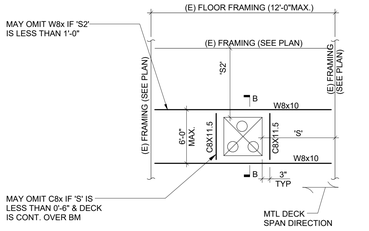


SECTION A-A

SECTION B-B

SECTION C-C

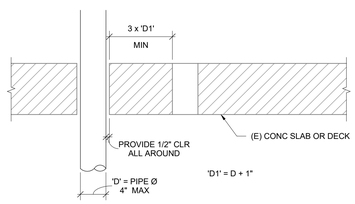
A SMALL OPENINGS



B FRAMED OPENING

NOTES:
1. HOLES UP TO 6"Ø MAX. IN BOTH DIRECTIONS MAY OMIT ANGLE SUPPORTS PROVIDED ALL THE FOLLOWING CRITERIA ARE MET:
   - NO MORE THAN ONE RIB IS CUT
   - HOLE IS SPACED 12" MIN. FROM NEAREST 6"Ø MAX. HOLE (CENTERLINE TO CENTERLINE).
2. OPTION A IS APPLICABLE TO OPENINGS PROVIDED ALL THE FOLLOWING CRITERIA ARE MET:
   - 'D' ≤ 2'-0" (DIM. PERP. TO DECK SPAN)
   - 'L' ≤ 2'-0" (DIM. PARALLEL TO DECK SPAN)
   - 'A' OR 'B' GREATER THAN MAX. OF 4D, 4L, AND 32"
3. IN LIEU OF WELDS SHOWN, WHERE DECK FILL IS 3" MIN., IT IS ACCEPTABLE TO USE (1) 5/8"Ø DEWALT POWERSTUD+ SD2 W/ 4" MIN. EMBED. CENTER ANCHORS @ EVERY LOW FLUTE.
4. WHERE SUPPORTING FLOOR BEAM / GIRDER PREVENTS EXTENSION OF L3x ON (3) FLUTES, SEE SECTION C-C.
5. OPTION B IS APPLICABLE TO ALL OPENINGS.
6. INSTALL ALL SUPPLEMENTAL FRAMING PRIOR TO CUTTING OPENING.

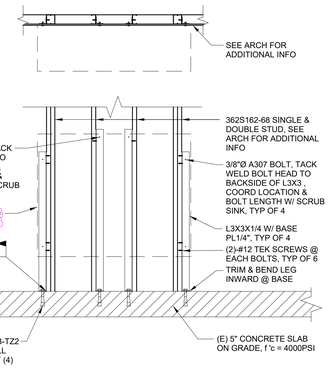
18 OPENING REINFORCING IN (E) COMPOSITE DECK
1/2" = 1'-0"



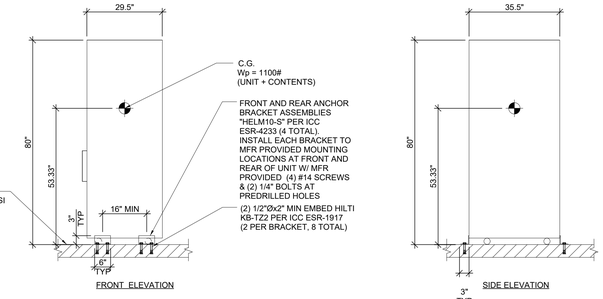
NOTES:

1. CONTRACTOR TO LOCATE REINFORCEMENT IN (E) CONCRETE PRIOR TO CORING.
2. DO NOT CUT OR DAMAGE (E) REINFORCEMENT.
3. WHERE PIPE DIA ARE LARGER THAN 4", NOTIFY SEOR FOR ADDITIONAL DIRECTION, UNLESS SPECIFICALLY DETAILED IN DRAWINGS.
4. MAXIMUM OF (2) PENETRATIONS IN SERIES.

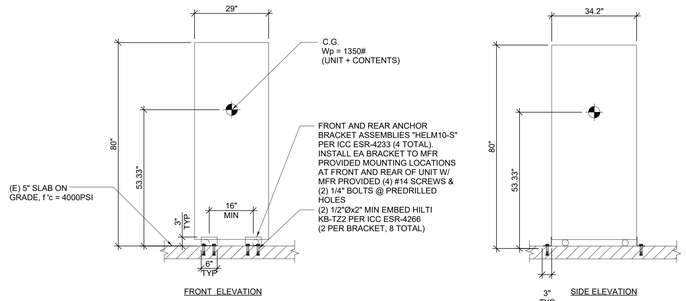
15 TYP SMALL PENETRATION THRU SLAB
1" = 1'-0"



10 ALT SCRUB SINK ANCHORAGE
N.T.S.

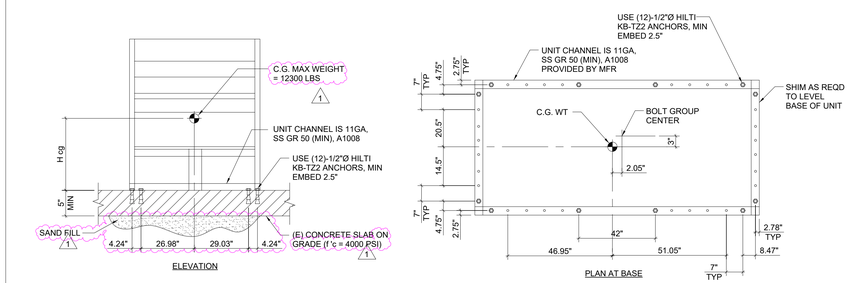


5 HELMER iLF125 UPRIGHT LABORATORY FREEZER ANCHORAGE
N.T.S.



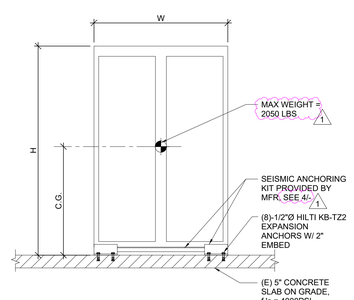
NOTE: FOR DBL DOOR REFRIGERATORS, PROVIDE MIN (3) ANCHOR BRACKET ASSEMBLIES FRONT & BACK (6 TOTAL) @ MFR PROVIDED ANCHOR LOCATIONS. PROVIDE (2)-1/2"X2" MIN EMBED KB-TZ2 @ EACH BRACKET.

6 HELMER MEDICAL-GRADE REFRIGERATOR ANCHORAGE
N.T.S.

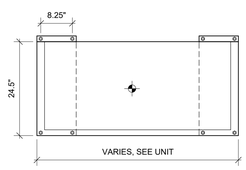


NOTE:
SCAN FLOOR REINFORCEMENT PRIOR TO DRILLING & INFORM SEOR IF ANCHOR LOCATIONS CONFLICT WITH EXISTING REBAR.

7 CAROUSEL ANCHORAGE
N.T.S.



8 PYXIS TOWER ANCHORAGE
N.T.S.



1
4 PYXIS TOWER ANCHORAGE BASE PLATE
3/4" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER — DOTAN LUBIANO — No. S 5552 — Exp. 12-31-2025 — STRUCTURAL — STATE OF CALIFORNIA
10/11/2024

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

Degenkolb
DEGENKOLB ENGINEERS
428 J Street, Suite 500
Sacramento, CA 95814
916.418.9100 PHONE
www.degenkolb.com

DE Job Number: B9953015.02

THIS ISSUE:	ISSUED FOR	Date
1	HCAI RESPONSES	TBD

100% DESIGN DEVELOPMENT

Account No.: 9558910
HCAI No.:
Bldg. No.:
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	S4.01
Designed By: Author	Issue Date:	
Drawn By: Author	Revit Version: 2023	

10/8/2024 11:18:45 AM Autodesk Docs://B9953015.02-UCDH Pharmacy Remodel/B9953015.02_UCDH Pharmacy Remodel_523.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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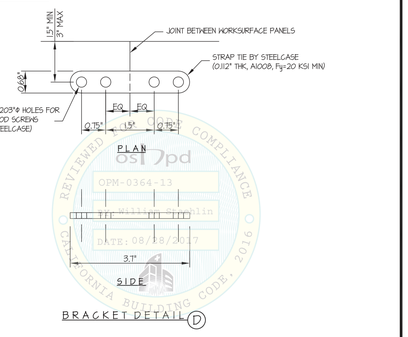
STEELCASE INC.
ANSWER WORK STATION "B"

DES. J. ROBERSON | JOB NO. 15-1602 | DATE 8/18/17 | SHEET 10 OF 10 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS — BRACKET DETAILS



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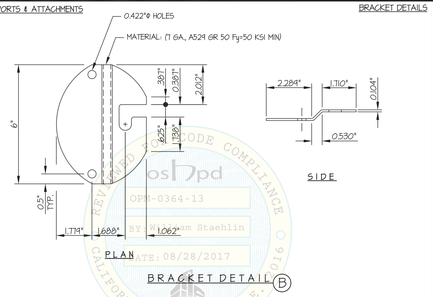
STEELCASE INC.
ANSWER WORK STATION "B"

DES. J. ROBERSON | JOB NO. 15-1602 | DATE 8/18/17 | SHEET 8 OF 10 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS — BRACKET DETAILS



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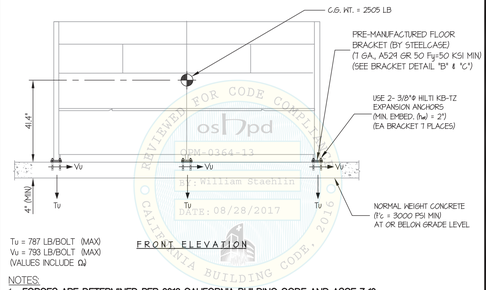
STEELCASE INC.
ANSWER WORK STATION "B"

DES. J. ROBERSON | JOB NO. 15-1602 | DATE 8/18/17 | SHEET 3 OF 10 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS — CONCRETE SLAB



Tu = 787 LB/BOLT (MAX)
Vu = 793 LB/BOLT (MAX)
(VALUES INCLUDE Ω0)

NOTES:

1. FORCES ARE DETERMINED PER 2016 CALIFORNIA BUILDING CODE AND ASCE 7-10
   STRENGTH DESIGN IS USED. (SDS = 1.25, ap = 1.0, Ip = 1.5, Rp = 2.5, Ω0 = 2.0, z/h = 0)
   HORIZONTAL FORCE (Eh) = 0.56 Wp
   HORIZONTAL FORCE (Emh) = 1.13 Wp (FOR CONCRETE ANCHORAGE)
   VERTICAL FORCE (Ev) = 0.25 Wp
2. CENTER OF GRAVITY (C.G.) AND WEIGHT ARE THE GOVERNING PARAMETERS FOR DESIGN. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM WEIGHT SHOWN.
3. STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
4. LIVE LOAD USED, 33 LB /FT AT COUNTERTOPS AND CABINET.
5. SEE GENERAL NOTES SHEET 1 AND 2.

REVIEWED FOR CODE COMPLIANCE · 2016 CALIFORNIA BUILDING CODE · OSHPD OPM-0364-13 BY William Staehlin DATE: 08/28/2017

REGISTERED PROFESSIONAL ENGINEER JONATHAN ROBERSON No. 4197 EXP. 6-30-2018 STRUCTURAL STATE OF CALIFORNIA
NOT VALID WITHOUT ORIGINAL SIGNATURE

EQUIPMENT **ANCHORAGE** & SEISMIC ENGINEERING

5877 Pine Ave, Ste. 210
Chino Hills, CA. 91709
Phn: (909) 606-7622

Office of Statewide Health Planning and Development
PREAPPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0364-13
THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE

MANUFACTURER: **STEELCASE INC.** — Sheet: 1 of 10
EQUIPMENT NAME: **ANSWER WORK STATION "B"** — Date: 8/18/17

GENERAL NOTES

1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2016 CBC. THE DEMANDS (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2016 CBC
2. THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTED ABOVE FOR THE SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT.
3. THIS PREAPPROVAL CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THAN 1.25 & 1.90. SEE DETAIL FOR APPLICABILITY
4. FORCES PER ASCE 7-10 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,
   WHERE SDS = 1.25, ap = 1.0, Ip = 1.5, Rp = 2.5, z/h = 0 AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω0
   WHERE SDS = 1.90, ap = 1.0, Ip = 1.5, Rp = 2.5, z/h = 1 AT CONCRETE SLAB ON METAL DECK.
   SEE FOLLOWING SHEETS FOR Ω0
5. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.
6. ALL DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGTH DESIGN.
7. CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING. (i.e. z/h ≤ 1)
8. CONCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT OR BELOW GRADE. (i.e. z/h = 0)
9. **RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING**
   A. PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL OTHER LOADS.
   B. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2016 CBC AND WITH THE DETAILS, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN ON THE PREAPPROVAL DOCUMENTS.
   C. VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev) THAT DO NOT EXCEED THE VALUES ON THE DETAILS.
   D. VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE SPECIFIED ICC ESR.
   E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).
   F. VERIFY THAT ALL NEW OR EXISTING ANCHORS ARE AN ADEQUATE DISTANCE FROM THE UNIT ATTACHMENTS AND CHECK FOR INTERACTION WHERE OTHER ANCHORS ARE WITHIN 18" OR 6hef FROM THIS UNIT'S ANCHORS.

REGISTERED PROFESSIONAL ENGINEER JONATHAN ROBERSON No. 4197 EXP. 6-30-2018 STRUCTURAL STATE OF CALIFORNIA
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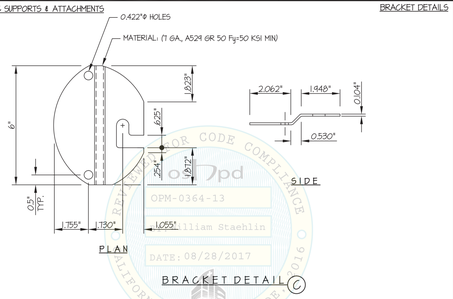
www.EquipmentAnchorage.com

STEELCASE INC.
ANSWER WORK STATION "B"

DES. J. ROBERSON | JOB NO. 15-1602 | DATE 8/18/17 | SHEET 9 OF 10 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS — BRACKET DETAILS



REVIEWED FOR CODE COMPLIANCE · 2016 CALIFORNIA BUILDING CODE · OSHPD OPM-0364-13 BY William Staehlin DATE: 08/28/2017

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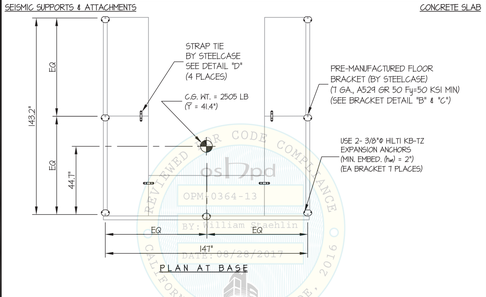
ANSWER WORK STATION "B"

DES. J. ROBERSON | JOB NO. 15-1602 | DATE 8/18/17 | SHEET 4 OF 10 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS — CONCRETE SLAB



REVIEWED FOR CODE COMPLIANCE · 2016 CALIFORNIA BUILDING CODE · OSHPD OPM-0364-13 BY William Staehlin DATE: 08/28/2017

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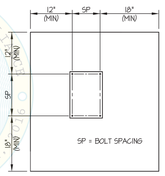
STEELCASE INC.
ANSWER WORK STATION "B"

DES. J. ROBERSON | JOB NO. 15-1602 | DATE 8/18/17 | SHEET 2 OF 10 SHEETS

10. **EXPANSION ANCHORS:**
    A. ATTACHMENT IS TO BE MADE WITH THE ANCHORS LISTED BELOW AND INSTALLED AS DESCRIBED IN THE CORRESPONDING ICC REPORT.

Anchor Diameter	Concrete Type	Min. f'c (psi)	Anchor Type	ICC Report No.	Min. Embed.	Min. Spacing	Min. Edge Dist.	Min. Conc. Thickness	Torque Test	Direct Tension Test
3/8"	Sand Light Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2"	6.75"	12"	See Detail "A"	25 FT-LB	N/A
3/8"	Normal Weight	3000	Hilti Kwik Bolt TZ	ESR-1917	2"	5"	12"	4"	25 FT-LB	1471 lb

    B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 12" AWAY MINIMUM (i.e. - CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES.
    C. TESTING OF EXPANSION ANCHORS PER 2016 CBC, 1910A.5. TESTING SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO OSHPD
       (i) AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION, DIRECT PULL TENSION TEST OR TORQUE TEST AT LEAST 50% OF THE ANCHORS.
       (ii) ACCEPTANCE CRITERIA:
          • DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER BECOMES LOOSE.
          • TORQUE TEST: THE APPLICABLE TORQUE MUST BE ACHIEVED WITHIN THE FOLLOWING LIMITS: WEDGE TYPE : 1/2 TURN OF THE NUT
       (iii) IF ANY ANCHOR FAILS, TEST ALL ANCHORS.
    D. AVOID DAMAGING EXISTING STEEL REINFORCING IN CONCRETE SLAB WHEN INSTALLING CONCRETE EXPANSION ANCHORS.
    E. PROVIDE FOR FULL THREAD ENGAGEMENT OF NUT & WASHER.



TYPICAL CONCRETE EDGE DETAIL

11. BOLTS THROUGH CONCRETE ON METAL DECK
    A. BOLTS SHALL BE TORQUED BY 3/4 TURN OF THE NUTS AFTER THE SNUG TIGHT (THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT) CONDITION IS ACHIEVED, UNLESS OTHERWISE NOTED.
    B. THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16) FOR CONCRETE.
    C. THROUGH-BOLTS IN CONCRETE SHALL RECEIVE SPECIAL INSPECTION AND TESTING (THROUGH BOLTS WITH STEEL TO STEEL CONNECTION IN TENSION DO NOT REQUIRE TENSION TESTING) IN ACCORDANCE WITH REQUIREMENTS FOR POST-INSTALLED ANCHORS.

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER DENTON LUMSDEN No. S 5552 Exp. 12-31-2025 STRUCTURAL STATE OF CALIFORNIA

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FACILITIES DESIGN & CONSTRUCTION
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DEGENKOLB ENGINEERS
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916.418.9100 PHONE
www.degenkolb.com
DE Job Number: B9953015.02

THIS ISSUE:	ISSUED FOR	Date
ACD001	ACD001	7/3/2025

100% CONSTRUCTION DOCUMENTS

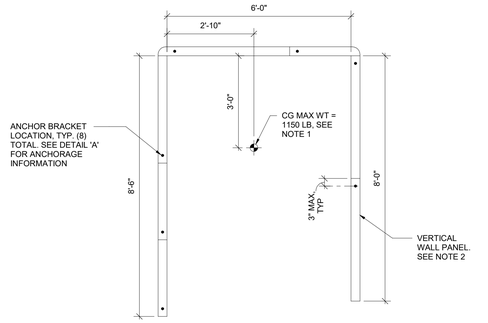
Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OPM DETAILS

Arch.\Engr. DAL	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale:	**S4.02**
Designed By: CWH	Issue Date: ACD001	
Drawn By: CWH	Revit Version: 2025	

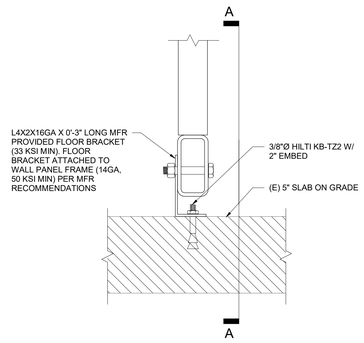
7/3/2025 12:04:06 PM
Autodesk Docs://B9953015.02-UCDH Pharmacy Remodel/B9953015.02_UCDH Pharmacy Remodel_S25.rvt

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

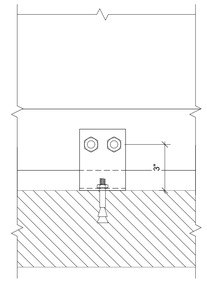
GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"



PLAN VIEW



DETAIL A



SECTION A-A

NOTES
1. ANCHORAGE DESIGN ASSUMES PANEL HT TO BE 60" MAX AND C.G. TO BE AT 42" MAX.
2. S.A.D. FOR LOCATION OF WORKSTATION

6 HERMAN MILLER / ETHOSPACE WORKSTATION
3" = 1'-0"

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

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REGISTERED PROFESSIONAL ENGINEER DEVON LUMBARD No. S 5552 Exp. 12-31-2025 STRUCTURAL STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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FACILITIES DESIGN & CONSTRUCTION
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SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
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530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

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DE Job Number: B9953015.02

THIS ISSUE:	ISSUED FOR	Date
ACD001	ACD001	7/3/2025

100% CONSTRUCTION DOCUMENTS

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Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS

Arch.\Engr. DAL	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: As indicated	S4.03
Designed By: CWH	Issue Date:	ACD001
Drawn By: CWH	Revit Version: 2025	

7/3/2025 12:04:06 PM
Autodesk Docs://B9953015.02-UCDH Pharmacy Remodel/B9953015.02_UCDH Pharmacy Remodel_S25.rvt

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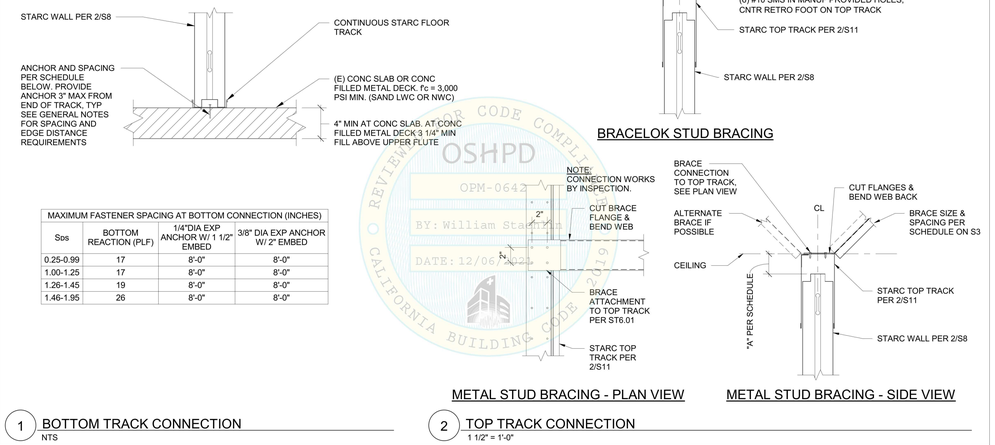

BRACELOK STUD BRACING

MAXIMUM FASTENER SPACING AT BOTTOM CONNECTION (INCHES)			
Sds	BOTTOM REACTION (PLF)	1/4"DIA EXP ANCHOR W/ 1 1/2" EMBED	3/8" DIA EXP ANCHOR W/ 2" EMBED
0.25-0.99	17	8'-0"	8'-0"
1.00-1.25	17	8'-0"	8'-0"
1.26-1.45	19	8'-0"	8'-0"
1.46-1.95	26	8'-0"	8'-0"

METAL STUD BRACING - PLAN VIEW

METAL STUD BRACING - SIDE VIEW

1 BOTTOM TRACK CONNECTION
NTS

2 TOP TRACK CONNECTION
1 1/2" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER CHAD RAYMOND CLOSE No. S 5946 STRUCTURAL STATE OF CALIFORNIA

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213.596.5000 PHONE
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STARC SYSTEMS

Title: TOP & BOTTOM CONNECTIONS

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	NTS
Date	07/01/2021		

Sheet: S4 | OF Sheets

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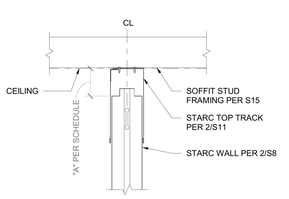
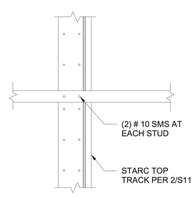
3 CONNECTION DETAILS
1" = 1'-0"

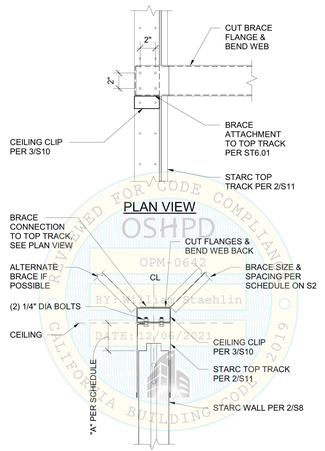


SIDE VIEW



PLAN VIEW

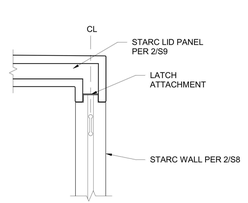
1 SOFFIT CONNECTION
1 1/2" = 1'-0"



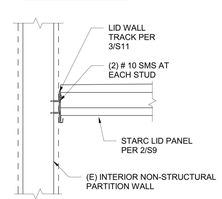
PLAN VIEW

SIDE VIEW

2 CLIP CONNECTION
1 1/2" = 1'-0"



TO WALL PANEL



TO (E) WALL

3 LID CONNECTION
1 1/2" = 1'-0"

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STARC SYSTEMS

Title: CONNECTIONS CONTD.

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	1 1/2" = 1'-0"
Date	07/01/2021		

Sheet: S5 | OF Sheets

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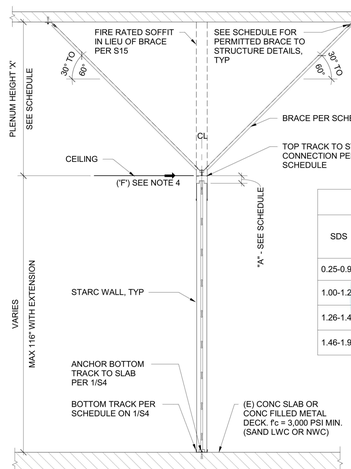
4 CONNECTION DETAILS
1" = 1'-0"



SECTION

SCHEDULE

SDS	TOP TRACK TO STUD CONN DETAIL	BOTTOM TRACK CONN DETAIL	MAX KICKER SPACING	MAX ASD TOP TRACK REACTION (PLF)	ASD HORIZONTAL LOAD AT BRACE (LB)	PLENUM HEIGHT	BRACE SIZE	BRACE TO STRUCTURE CONN DETAIL	MAX TOP TRACK GAP DIMENSION "A"	
									AT ROOF	AT GROUND
0.25-0.99	2/S4, S5, 2/S6	1/S4, 1/S6	8'-0"	17	123	X" < 5'-0"	250S162-33	S12, S13, S14	3.5"	3.5"
						5'-0" < 'X' < 6'-6"	(2) 362S162-33			
1.00-1.25	2/S4, S5	1/S4, 1/S6	8'-0"	17	135	X" < 5'-0"	250S162-33	S12, S13, S14	3.5"	3.5"
						5'-0" < 'X' < 6'-6"	(2) 362S162-33			
1.26-1.45	2/S4, S5	1/S4, 1/S6	8'-0"	19	153	X" < 5'-0"	250S162-33	S12, S13, S14	3.00"	3.5"
						5'-0" < 'X' < 6'-6"	(2) 362S162-33			
1.46-1.95	2/S4, S5	1/S4, 1/S6	8'-0"	26	205	X" < 5'-0"	250S162-33	S12, S13, S14	2.25"	3.5"
						5'-0" < 'X' < 6'-6"	(2) 362S162-33			

NOTES:
1. SEISMIC REACTIONS AT THE TOP AND BOTTOM CONNECTION ARE FOR A STARC WALL SHOW ON S8.
2. CONNECTION DEMANDS ARE PROVIDED TO ALLOW RDP IN RESPONSIBLE CHARGE TO VERIFY NON PRE-APPROVED COMPONENTS OF THE FRAMING SYSTEM AND THE SUPPORTING STRUCTURE.
3. LOADS GIVEN DO NOT INCLUDE OVER-STRENGTH FACTOR (OMEGA). FOR CONCRETE ATTACHMENTS SEE ASCE 7-16 ,TABLE 13.5-1.
4. 'F' REFERS TO THE FORCE BEING RESISTED BY CONNECTION. DEMANDS CALCULATED IN ACCORDANCE WITH ASCE 7-16.
5. NOTES & DETAIL CALLOUTS IN SPECIFIC DETAILS TAKE PRECEDENCE OVER THE "OPD" DETAILS.

1 TYPICAL WALL SECTION AND SCHEDULES
1/2" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER CHAD RAYMOND CLOSE No. S 5946 STRUCTURAL STATE OF CALIFORNIA

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STARC SYSTEMS

Title: TYPICAL PARTITION WALL SECTION & BRACING SCHEDULE

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	1/2" = 1'-0"
Date	07/01/2021		

Sheet: S2 | OF Sheets

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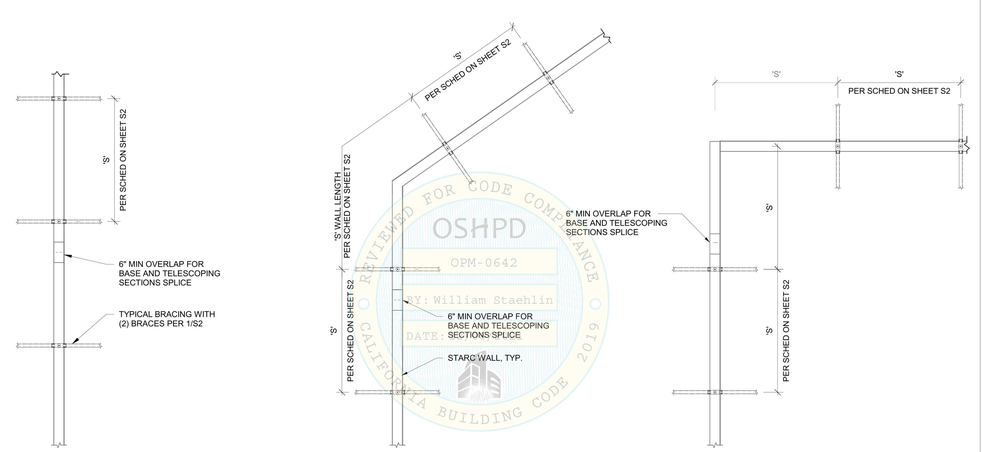
1 TYPICAL WALL SECTION AND SCHEDULES
1" = 1'-0"



AT STRAIGHT RUNS

AT 135° INTERSECTION

AT 90° INTERSECTION

1 BRACE LAYOUT PLANS
1/2" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER CHAD RAYMOND CLOSE No. S 5946 STRUCTURAL STATE OF CALIFORNIA

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STARC SYSTEMS

Title: BRACING LAYOUT PLANS

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	1/2" = 1'-0"
Date	07/01/2021		

Sheet: S3 | OF Sheets

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2 BRACE LAYOUT PLANS
1" = 1'-0"

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER RAYMOND TUMBARELLO No. S 5552 Exp. 12-31-2025 ELECTRICAL STATE OF CALIFORNIA

06/14/2024

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HY ARCHITECTS PROJECT #: 5938

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Sacramento, CA 95814
916.418.9100 PHONE
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DE Job Number: B9953015.02

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

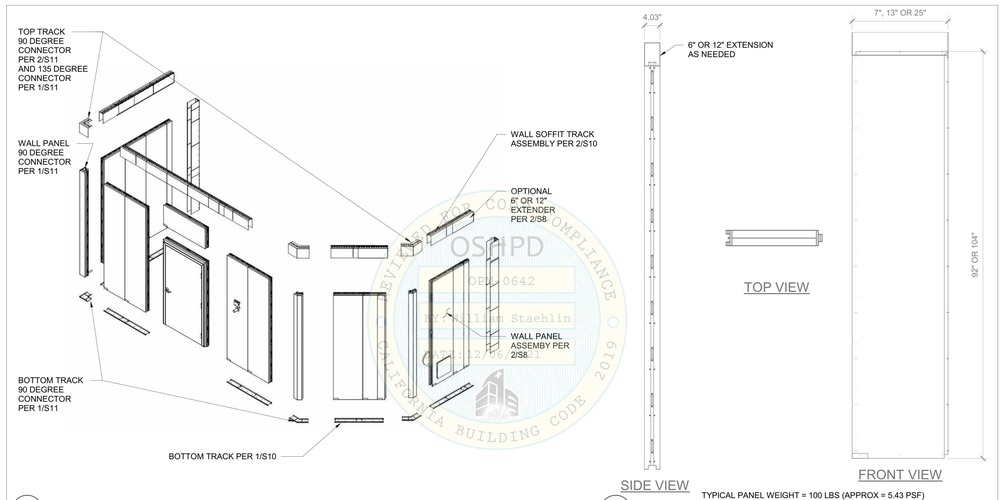
Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: TEMPORARY BARRIER DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: 1" = 1'-0"	S5.00
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2023	

Autodesk Docs://B9953015.02-UCDH Pharmacy Remodel/B9953015.02_UCDH Pharmacy Remodel_S23.rvt
6/12/2024 2:54:25 PM

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

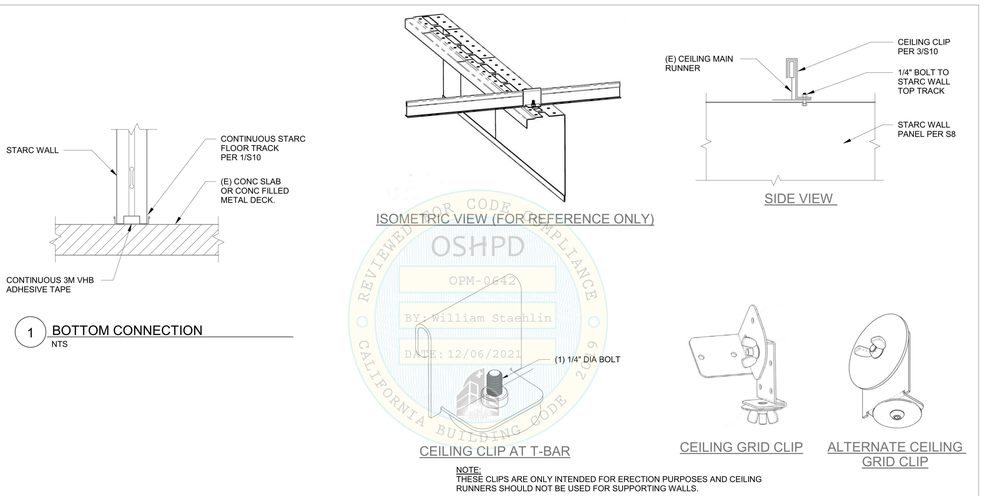


1 STARC WALL ASSEMBLY ISOMETRIC
NTS

2 TYPICAL WALL
3/4" = 1'-0"

TYPICAL PANEL WEIGHT = 100 LBS (APPROX = 5.43 PSF)

NOTE: DIMENSIONS SHOWN ARE PER MANUFACTURER. REFER TO MANUFACTURER CATALOG FOR LATEST INFORMATION



1 BOTTOM CONNECTION
NTS

NOTE:
THESE CLIPS ARE ONLY INTENDED FOR ERECTION PURPOSES AND CEILING RUNNERS SHOULD NOT BE USED FOR SUPPORTING WALLS.

2 TOP CONNECTION (ERECTION CLIPS)
NTS

OSHPD REVIEWED FOR CODE COMPLIANCE OPM-0642 BY: William Staehlin DATE: 12/06/2021 CALIFORNIA BUILDING CODE 2019

REGISTERED PROFESSIONAL ENGINEER GRADY RAYMOND CLOSS No. S 5946 STRUCTURAL CIVIL STATE OF CALIFORNIA

Degenkolb
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300 South Grand Avenue, Suite 3850
Los Angeles, CA 90071
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STARC SYSTEMS

Title: STARC WALL ASSEMBLY

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	As indicated
Date	07/01/2021		

Sheet: S8 | OF Sheets

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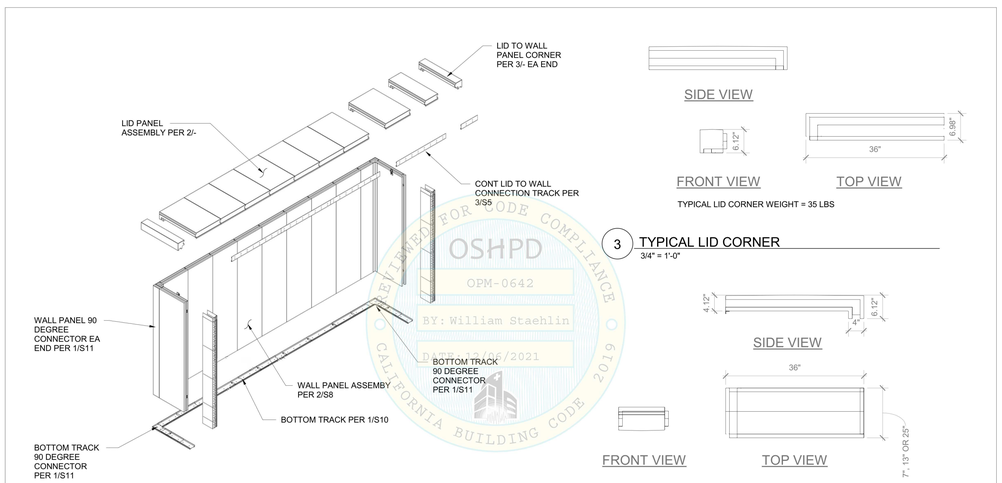
STARC SYSTEMS

Title: TEMPORARY (LESS THEN 30 DAYS) ATTACHMENT

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	1 1/2" = 1'-0"
Date	07/01/2021		

Sheet: S6 | OF Sheets

3 STARC WALL ASSEMBLY ISOMETRIC
1" = 1'-0"



3 TYPICAL LID CORNER
3/4" = 1'-0"

TYPICAL LID WEIGHT = APPROXIMATELY 5.43 PSF SIMILAR TO WALL PANEL, SEE S8

1 STARC WALL ASSEMBLY - LID CONDITION ISOMETRIC
NTS

2 TYPICAL LID
3/4" = 1'-0"

OSHPD REVIEWED FOR CODE COMPLIANCE OPM-0642 BY: William Staehlin DATE: 12/06/2021 CALIFORNIA BUILDING CODE 2019

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STARC SYSTEMS

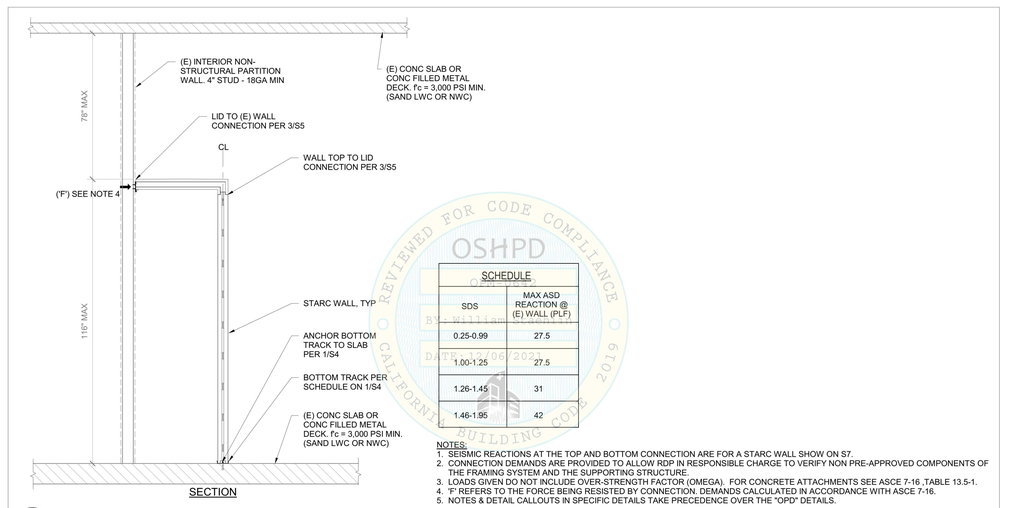
Title: STARC WALL ASSEMBLY - LID CONDITION

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	As indicated
Date	07/08/21		

Sheet: S9 | OF Sheets

4 STARC WALL ASSEMBLY - LID CONDITION ISOMETRIC
1" = 1'-0"

1 CONNECTION DETAILS
1" = 1'-0"



SCHEDULE

SDS	MAX ASD REACTION @ (E) WALL (PLF)
0.25-0.99	27.5
1.00-1.25	27.5
1.26-1.45	31
1.46-1.95	42

NOTES:
1. SEISMIC REACTIONS AT THE TOP AND BOTTOM CONNECTION ARE FOR A STARC WALL SHOW ON S7.
2. CONNECTION DEMANDS ARE PROVIDED TO ALLOW RDP IN RESPONSIBLE CHARGE TO VERIFY NON PRE-APPROVED COMPONENTS OF THE FRAMING SYSTEM AND THE SUPPORTING STRUCTURE.
3. LOADS GIVEN DO NOT INCLUDE OVER-STRENGTH FACTOR (OMEGA). FOR CONCRETE ATTACHMENTS SEE ASCE 7-16 ,TABLE 13.5-1.
4. 'F' REFERS TO THE FORCE BEING RESISTED BY CONNECTION. DEMANDS CALCULATED IN ACCORDANCE WITH ASCE 7-16.
5. NOTES & DETAIL CALLOUTS IN SPECIFIC DETAILS TAKE PRECEDENCE OVER THE "OPD" DETAILS.

1 TYPICAL WALL SECTION AND SCHEDULES
1/2" = 1'-0"

OSHPD REVIEWED FOR CODE COMPLIANCE OPM-0642 BY: William Staehlin DATE: 12/06/2021 CALIFORNIA BUILDING CODE 2019

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STARC SYSTEMS

Title: TYPICAL WALL W/ LID SECTION

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	1/2" = 1'-0"
Date	07/08/21		

Sheet: S7 | OF Sheets

2 WALL SECTON AND SCHEDULES
1" = 1'-0"

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Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER GRADY RAYMOND CLOSS No. S 5552 Exp. 12-31-2025 STRUCTURAL CIVIL STATE OF CALIFORNIA

06/14/2024

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:
Degenkolb
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Sacramento, CA 95814
916.418.9100 PHONE
www.degenkolb.com
DE Job Number: B9953015.02

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Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: TEMPORARY BARRIER DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: 1" = 1'-0"	S5.01
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2023	

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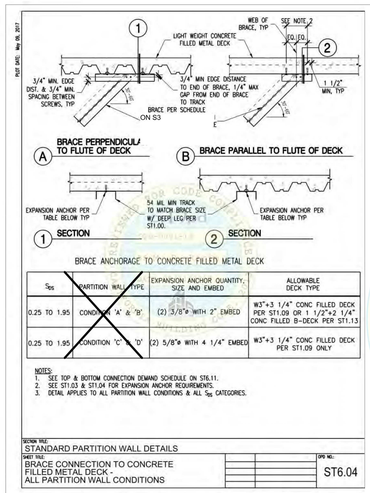
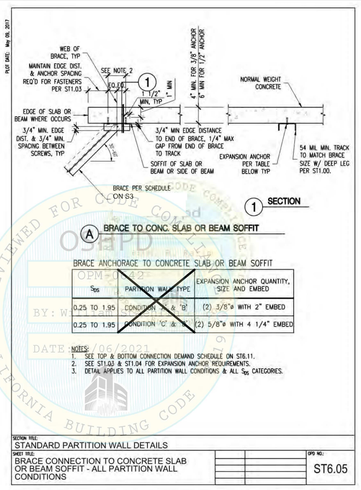


1 METAL DECK ATTACHMENT



2 CONCRETE SLAB ATTACHMENT

SHEET NOTES:

1. THIS OPM IS BASED ON STARC WALL WEIGHT OF APPROX. 5.43 PSF.
2. NOTES & DETAIL CALLOUTS IN SPECIFIC DETAILS TAKE PRECEDENCE OVER THE "OPD" DETAILS CALLED OUT ON THIS SHEET.
3. SEE GENERAL NOTES FOR EXPANSION ANCHOR, SHEET METAL SCREW, AND PAF REQUIREMENTS.
4. SEE SCHEDULE ON SHEET S3 FOR APPLICABLE STUD AND BRACE SIZE INFORMATION.

REVIEWED FOR CODE COMPLIANCE OSHPD OPM-0642 BY: William Staehlin DATE: 05/11/2017 CALIFORNIA BUILDING CODE 2019

05/11/2017 OPD-0001-13; Reviewed for Code Compliance by Karim Page 57 of 86

05/11/2017 OPD-0001-13; Reviewed for Code Compliance by Karim Page 58 of 86

REGISTERED PROFESSIONAL ENGINEER CHAD RAYMOND CLOSS No. S 5946 CIVIL STRUCTURAL STATE OF CALIFORNIA

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STARC SYSTEMS

Title: OPD-0001-13 DETAILS (ST6.04, ST6.05)

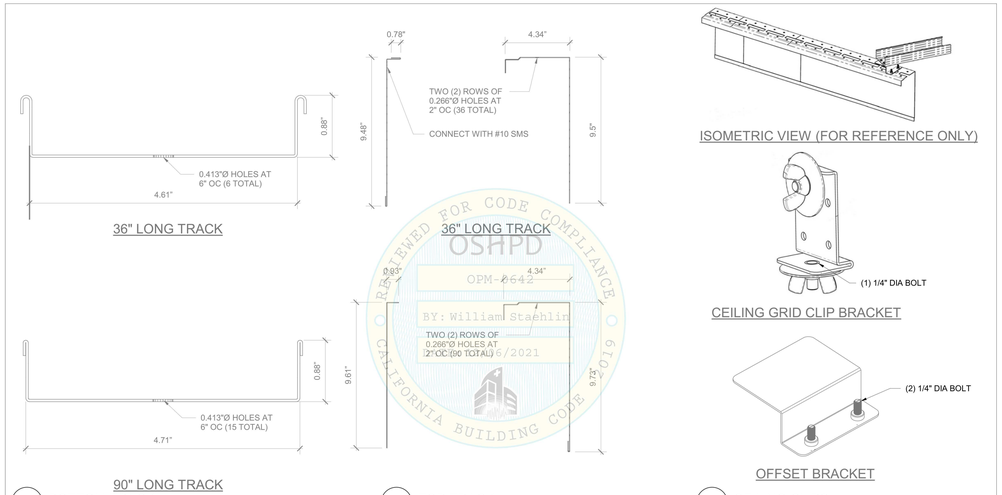
Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	
Date	07/01/2021		

Sheet S12 OF Sheets

OPM-0642: Reviewed for Code Compliance by William Staehlin

14 of 17

3 DECK ATTACHMENT DETAILS
1" = 1'-0"



REVIEWED FOR CODE COMPLIANCE OSHPD OPM-0642 BY: William Staehlin DATE: 06/2021 CALIFORNIA BUILDING CODE 2019

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STARC SYSTEMS

Title: STARC SYSTEM PARTS

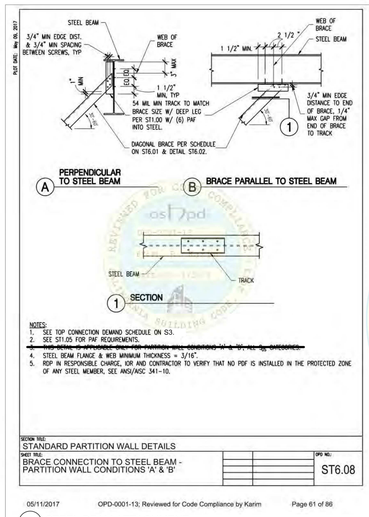
Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	As indicated
Date	07/01/2021		

Sheet S10 OF Sheets

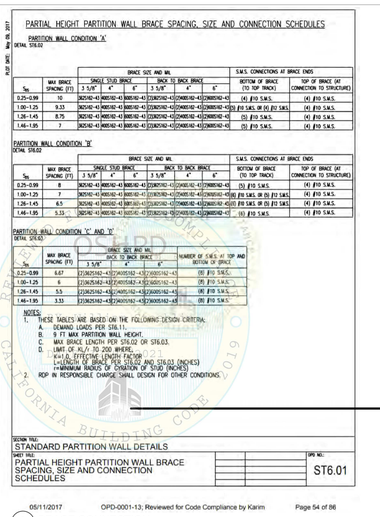
OPM-0642: Reviewed for Code Compliance by William Staehlin

12 of 17

1 CONNECTOR DETAILS
1" = 1'-0"



1 STEEL BEAM ATTACHMENT



2 BRACE CONNECTION

SHEET NOTES:

1. THIS OPM IS BASED ON STARC WALL WEIGHT OF APPROX. 5.43 PSF
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REVIEWED FOR CODE COMPLIANCE OSHPD OPM-0642 BY: William Staehlin DATE: 12/06/2021 CALIFORNIA BUILDING CODE 2019

05/11/2017 OPD-0001-13; Reviewed for Code Compliance by Karim Page 61 of 86

05/11/2017 OPD-0001-13; Reviewed for Code Compliance by Karim Page 54 of 86

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STARC SYSTEMS

Title: OPD-0001-13 DETAILS (ST6.08)

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	
Date	07/01/2021		

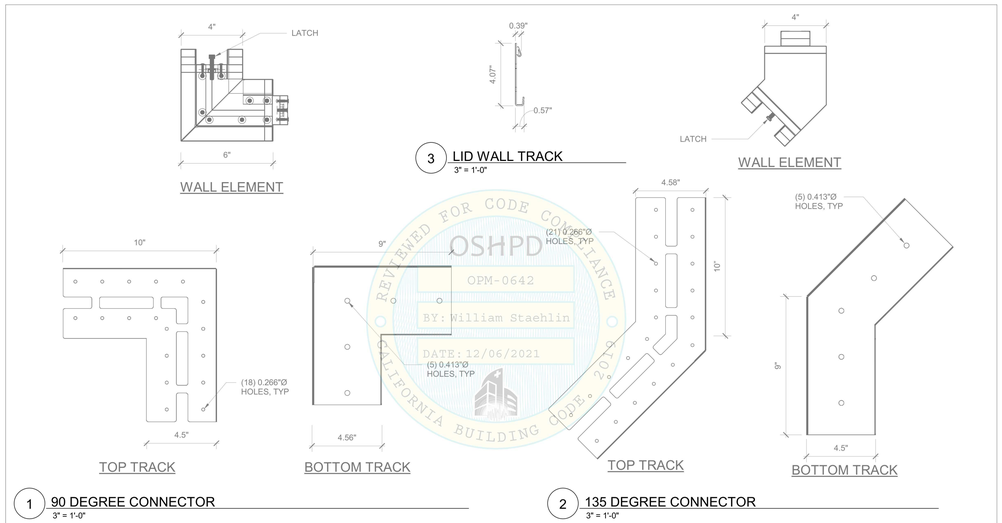
Sheet S14 OF Sheets

OPM-0642: Reviewed for Code Compliance by William Staehlin

16 of 17

3 DECK ATTACHMENT DETAILS
1" = 1'-0"

4 CONNECTION DETAILS
1" = 1'-0"



REVIEWED FOR CODE COMPLIANCE OSHPD OPM-0642 BY: William Staehlin DATE: 12/06/2021 CALIFORNIA BUILDING CODE 2019

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STARC SYSTEMS

Title: STARC SYSTEM PARTS

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	3" = 1'-0"
Date	07/01/2021		

Sheet S11 OF Sheets

OPM-0642: Reviewed for Code Compliance by William Staehlin

13 of 17

1 CONNECTOR DETAILS
1" = 1'-0"

2 CONNECTOR DETAILS
1" = 1'-0"

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER RAYMOND CLOSS No. S 5552 Exp. 12-31-2025 CIVIL STRUCTURAL STATE OF CALIFORNIA

06/14/2024

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

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DE Job Number: B9953015.02

THIS ISSUE:	ISSUED FOR	Date

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: TEMPORARY BARRIER DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. S5.02
UCDMC Project Mgr. Checker	Scale: 1" = 1'-0"	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2023	

Autodesk Docs://B9953015.02-UCDH Pharmacy Remodel/B9953015.02_UCDH Pharmacy Remodel_S23.rvt
6/12/2024 2:54:26 PM

0 5' 50'
GRAPHIC SCALES: 1/16" = 1'-0"
0 5' 25'
1/8" = 1'-0"
0 1' 12'
1/4" = 1'-0"
0 1' 6'
1/2" = 1'-0"
0 4'
3/4" = 1'-0"
0 1' 3'
1" = 1'-0"
0 2'
1 1/2" = 1'-0"
0 1'
3" = 1'-0"

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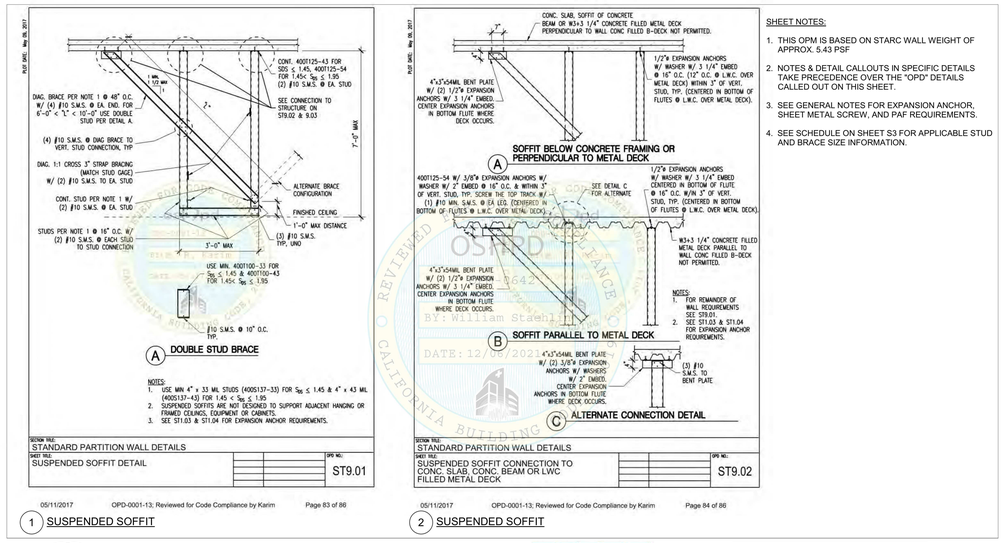

SHEET NOTES:

1. THIS OPM IS BASED ON STARC WALL WEIGHT OF APPROX. 5.43 PSF
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REGISTERED PROFESSIONAL ENGINEER CHAD RAYMOND CLOSES No. S 5946 STRUCTURAL STATE OF CALIFORNIA

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STARC SYSTEMS

Title: OPD-0001-13 DETAILS (ST9.01, ST9.02)

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	
Date	07/01/2021		

Sheet S15 Of Sheets

OPM-0642: Reviewed for Code Complaince by William Staehlin 17 of 17

1 CONNECTION DETAILS
1" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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06/14/2024

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Sheet Title: TEMPORARY BARRIER DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. S5.03
UCDMC Project Mgr. Checker	Scale: 1" = 1'-0"	
Designed By: Author	Issue Date: 06/12/2024	
Drawn By: Author	Revit Version: 2023	

6/12/2024 2:54:27 PM Autodesk Docs://B9953015.02-UCDH Pharmacy Remodel/B9953015.02_UCDH Pharmacy Remodel_S23.rvt

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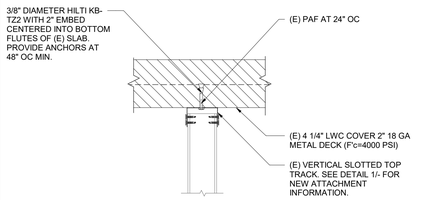
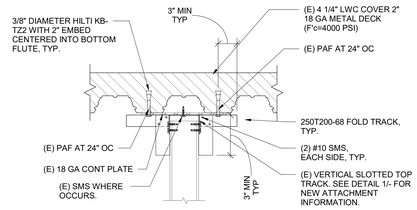
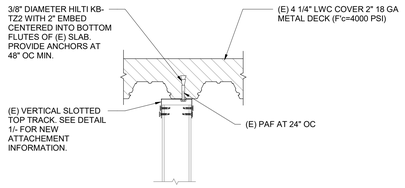


A STUD PERPENDICULAR TO DECK

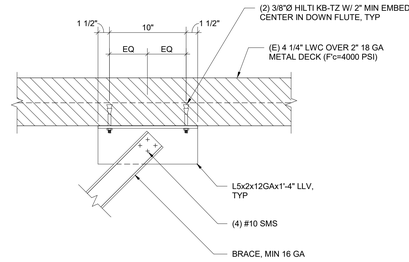


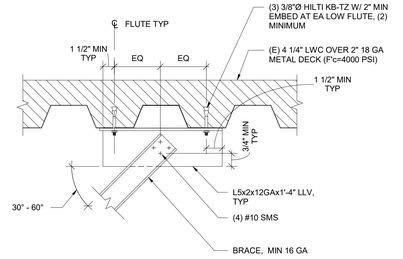
B STUD PARALLEL TO DECK BETWEEN FLUTES



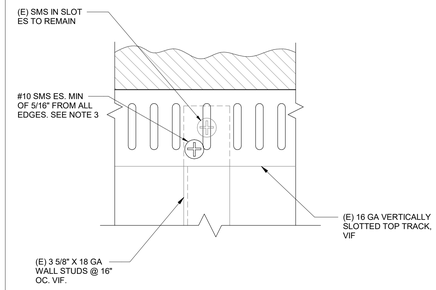
C STUD PARALLEL TO DECK ON FLUTES

10 SUSPENDED BULKHEAD TOP TRACK CONNECTION
1 1/2" = 1'-0"



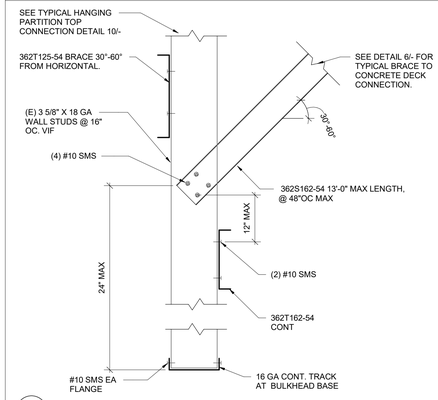


6 BRACE AT STEEL DECK WITH CONCRETE FILL
1 1/2" = 1'-0"

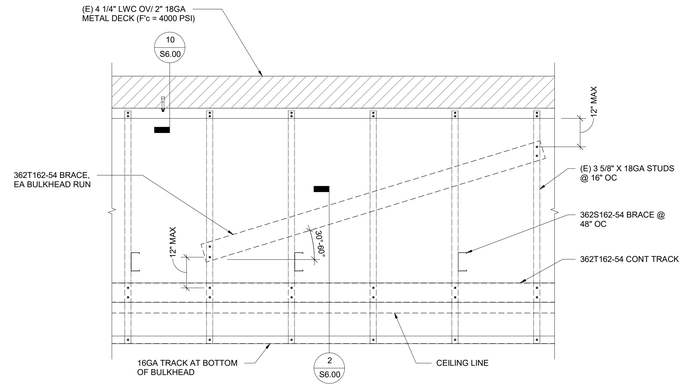


NOTES:
1. DO NOT CONNECT WALL FINISH TO SLOTTED TRACK.
2. SEE DETAIL10 / S6.00 FOR CONNECTION OF TRACK TO STRUCTURE.
3. FASTEN STUDS TO (E) TRACK PRIOR TO TRIMMING, OR PROVIDE SHORING SUPPORT FOR ALTERED WALLS.

1 CONVERSTION OF VERTICALLY SLOTTED TOP TRACK CONNECTION
NTS



2 HUNG STUD & BRACE DETAIL
1 1/2" = 1'-0"



7 SUSPENDED BULKHEAD ELEVATION
1" = 1'-0"

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
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Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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www.degenkolb.com
DE Job Number: B9953015.02

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ACD001	ACD001	7/3/2025

100% CONSTRUCTION DOCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: CFS DETAILS

Arch.\Engr. DAL	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. AA	Scale: As indicated	S6.00
Designed By: CWH	Issue Date:	ACD001
Drawn By: CWH	Revit Version: 2025	

7/3/2025 12:04:15 PM Autodesk Docs://B9953015.02-UCDH Pharmacy Remodel/B9953015.02_UCDH Pharmacy Remodel_S25.rvt

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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STANDARD ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
XX	NUMBERED NOTE.
-	ENLARGED PLAN OR DETAIL CALL-OUT.

TELECOM SYMBOLS

SYMBOL	DESCRIPTION
	EXISTING DATA OUTLET.
	DATA OUTLET. PROVIDE 5" SQUARE X 2 7/8" DEEP BOX W/ 1-DEVICE RING AND PLATE. STUB 1 1/4" CONDUIT WITH 90 DEGREE BEND INTO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATING BUSHING. CHARACTER INSIDE DENOTES THE FOLLOWING: = EMPTY BOX AND CONDUIT STUB W/ PULL STRING. = 1 ACTIVE NETWORK PORT / DROP. = 2 ACTIVE NETWORK PORTS / DROPS. = 1 ACTIVE PORT FOR WALL-PHONE MOUNTED AT +46" TO CENTER OF BOX.
	MODULAR SYSTEM FURNITURE TELE/DATA FEED. PROVIDE 5" SQUARE X 2 1/2" DEEP BOX W/ DOUBLE GANG MUD RING & PLATE FOR FURNITURE WHIP. STUB 2 EACH 1 1/4" CONDUIT INTO ACCESSIBLE CEILING SPACE TO WITHIN 2" OF A CABLE PATHWAY, TERMINATE W/ INSULATING BUSHING.
WAP	WIRELESS ACCESS POINT, SURFACE MOUNTED. PROVIDE (2) CAT-6A.
	EXISTING RECESSED FLOOR DATA BOX.

ACD-001

PAGING DEVICE SYMBOLS

SYMBOL	DESCRIPTION
	FLUSH MOUNTED INTERIOR CEILING SPEAKERS FOR OVERHEAD PAGING SYSTEM, CONTRACTOR SHALL INSTALL AND CONNECT AS REQUIRED.

RACEWAY SYMBOLS

SYMBOL	DESCRIPTION
———	RACEWAY INSTALLED IN CEILING OR WALL. ROUTE EXPOSED IN ALL UNFINISHED AREAS.
———	INDICATES RACEWAY TURNING UP.
———	INDICATES RACEWAY STUB, TERMINATE W/ BUSHING OR CAP IF UNDERGROUND.

2

ABBREVIATIONS

1PH, 3PH	1 PHASE, 3 PHASE
1P, 2P, 3P	1 POLE, 2 POLE, 3 POLE
3W, 4W	3 WIRE, 4 WIRE
(D)	DEMO, DEMOLISH
(E)	EXISTING
(ER)	EXISTING RELOCATED
(N)	NEW
(R)	RELOCATE
-A-	
A, AMPS	AMPERES
AC	ALTERNATING CURRENT
AF	FRAME RATING IN AMPERES
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AL, ALUM	ALUMINUM
ATS	AUTO TRANSFER SWITCH
AT	TRIP RATING IN AMPERES
AWG	AMERICAN WIRE GAUGE
-B-	
BTR	BUILDING TELECOM ROOM
-C-	
C	CONDUIT
CB,C/B	CIRCUIT BREAKER
CEC	CALIFORNIA ELECTRICAL CODE
CT	CURRENT TRANSFORMER
CU	COPPER
-D-	
DC	DIRECT CURRENT
-E-	
EA	EACH
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
-F-	
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FLA	FULL LOAD AMPS
FT	FOOT OR FEET
-G-	
G, GND	GROUND
GA	GAUGE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
-H-	
HOA	HAND-OFF-AUTO
HP	HORSE POWER
-J-	
J-BOX	JUNCTION BOX
-K-	
KVA	ONE THOUSAND VOLT-AMPS
KW	ONE THOUSAND WATTS
-L-	
LCP	LIGHTING CONTROL PANEL
LTG	LIGHTING
-M-	
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVER-CURRENT PROTECTION
MT	EMPTY CONDUIT W/ PULL-LINE
-N-	
NC	NORMALLY CLOSED
NCTC	NURSE CALL TERMINAL CABINET
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
NIES	NOT INCLUDED IN ELECTRICAL SCOPE
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
-O-	
OCP	OVER-CURRENT PROTECTION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
-P-	
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE CONDUIT
-R-	
RLA	RUNNING LOAD AMP
RSC	RIGID STEEL CONDUIT
-S-	
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SST	SOLID STATE TRIP
-T-	
TER	TELECOM EQUIPMENT ROOM
TR	TELECOM ROOM
TM	THERMAL MAGNETIC
TTB	TERMINAL BACKBOARD
-U-	
UG	UNDERGROUND
UL	UNDERWRITERS LAB.
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
-V-	
V	VOLTS
VA	VOLT-AMPS
VAC	VOLTS ALTERNATE CURRENT
-W-	
W	WATTS
WCR	WITHSTAND & CLOSING RATING
WP	WEATHERPROOF
-X-	
XFMR	TRANSFORMER
XFER	TRANSFER SWITCH

GENERAL ELECTRICAL NOTES

1. WHERE PROVIDED, THROUGH-PENETRATION FIRESTOP SYSTEM AND MEMBRANE PENETRATION DETAILS SHOWN IN THE DETAILS ARE FOR REFERENCE ONLY. THROUGH- PENETRATIONS AND MEMBRANE PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM OR MEMBRANE PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER OR AS OTHERWISE PERMITTED BY CBC, SECTION 714. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS AND MEMBRANE PENETRATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION DETAILS FOR LISTED SYSTEMS. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS, MEMBRANE PENETRATION PROTECTION AND OTHER PERMITTED MEANS AND METHODS OF PENETRATION PROTECTION SHALL BE SUBMITTED FOR HCAI FLSO REVIEW AND APPROVAL PRIOR TO INSTALLATION.
2. ALL ELECTRICAL EQUIPMENT TO BE INSTALLED OR PERMANENTLY CONNECTED (HARDWIRED) SHALL BE LISTED, LABELED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) PER CEC 110.2.
3. ALL EQUIPMENT SHALL BE USED IN ACCORDANCE WITH LISTING PER CEC 110.3B.
4. CONTRACTOR TO PROTECT IN PLACE OVERHEAD PAGING SYSTEM AND WIRELESS ACCESS DURING CONSTRUCTION.
5. TELECOMMUNICATION CABLING SHALL BE REMOVED BACK TO SERVICING TR AND REPLACED WITH UCDH STANDARD.

SHEET INDEX

SHEET	DESCRIPTION
T0.01	ABBREVIATIONS, SYMBOLS, & SHEET INDEX
T1.01	OVERALL BASEMENT PLAN - TELECOM ACD-001
T2.01	OVERALL ENLARGED BASEMENT PLAN & RCP - DEMO & NEW TELECOM - PHASING PLAN
T2.02	ENLARGED BASEMENT PLAN - DEMO & NEW TELECOM - PHASE 1 - MAKE READY
T2.03	ENLARGED BASEMENT PLAN & RCP - DEMO & NEW TELECOM - PHASE 1
T2.04	ENLARGED BASEMENT PLAN & RCP - DEMO & NEW TELECOM - PHASE 1
T2.05	ENLARGED BASEMENT PLAN & RCP - DEMO & NEW TELECOM - PHASE 2
T2.06	ENLARGED BASEMENT PLAN & RCP - DEMO & NEW TELECOM - PHASE 2
T6.01	DETAILS
T6.02	DETAILS
T6.03	DETAILS
T6.04	DETAILS

ACD-001

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
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Tony Tan

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THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ABBREVIATIONS, SYMBOLS, & SHEET INDEX

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. T0.01
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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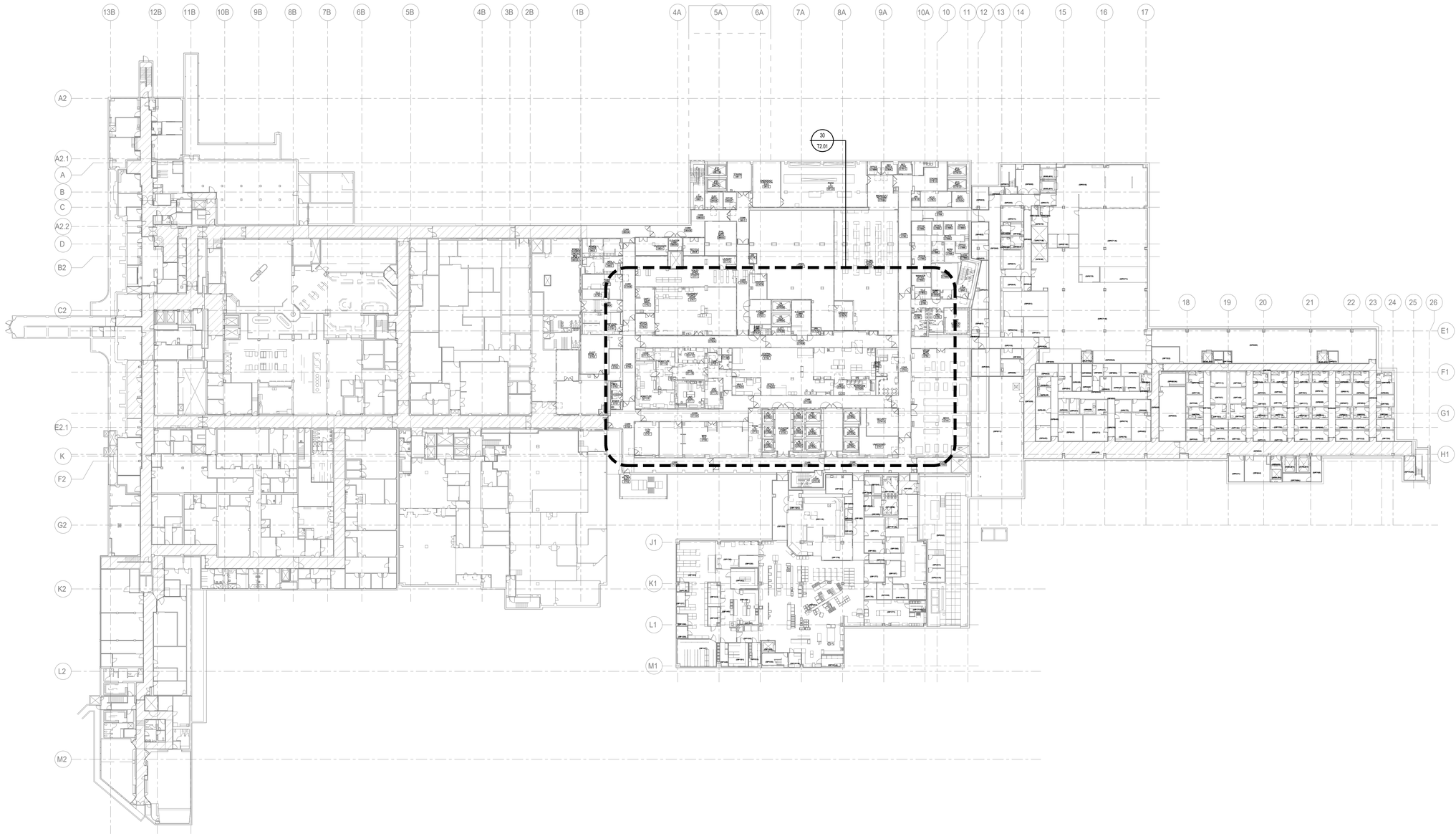

30 OVERALL BASEMENT PLAN - TELECOM

1/32" = 1'-0"

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

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06/14/2024

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HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
FloorWing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: OVERALL BASEMENT PLAN - TELECOM

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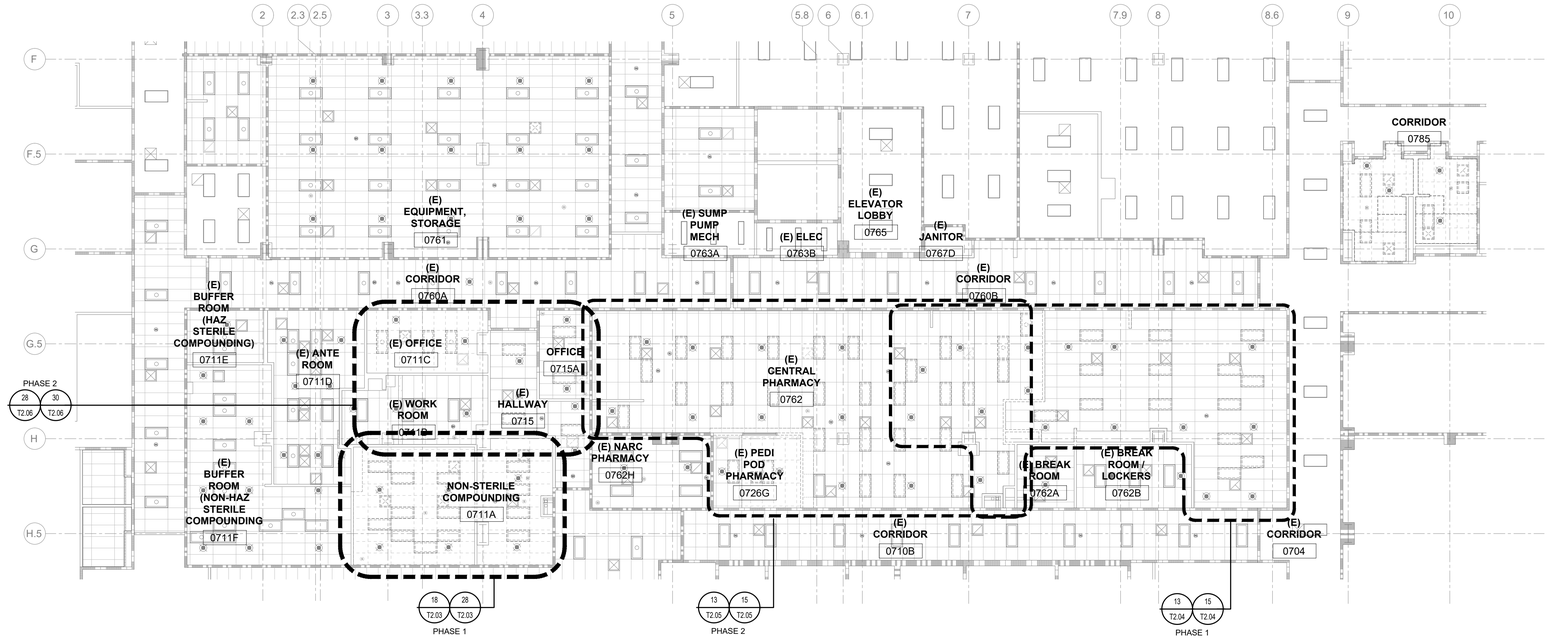
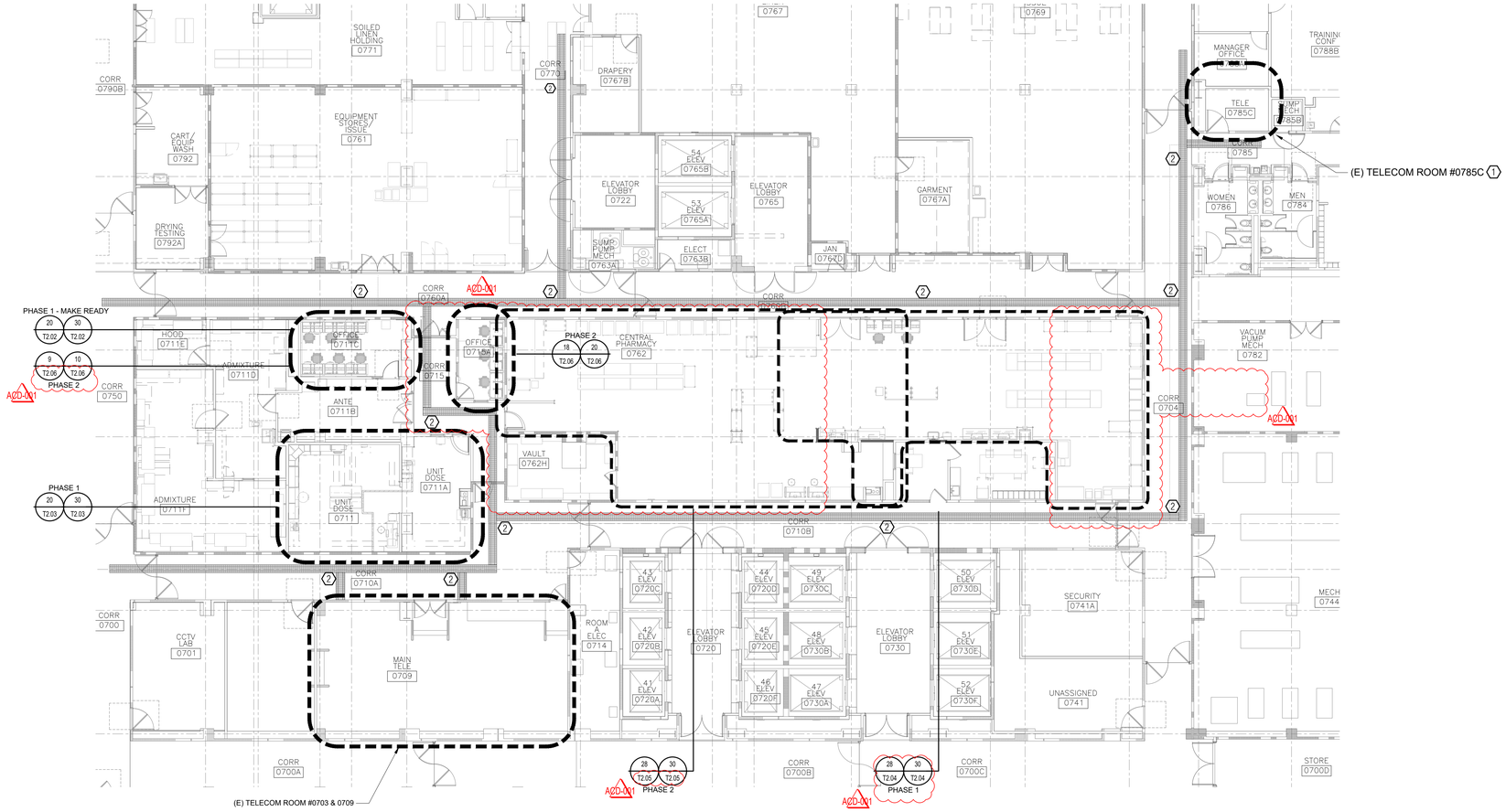
NUMBERED NOTES

1. ALL (E) AND (N) CAMERA CABLING SHALL BE ROUTED BACK TO THIS TELECOM ROOM #0785C.
2. UTILIZED (E) CABLE TRAY TO ROUTE LOW VOLTAGE CABLING BACK TO (E) TELECOM ROOM.



28 ENLARGED OVERALL BASEMENT RCP PLAN - TELECOM- PHASING LAYOUT
3/32" = 1'-0"

A2D-001



30 ENLARGED OVERALL BASEMENT PLAN - TELECOM- PHASING LAYOUT
3/32" = 1'-0"

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Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN & RCP - PHASING PLAN - TELECOM
A2D-001

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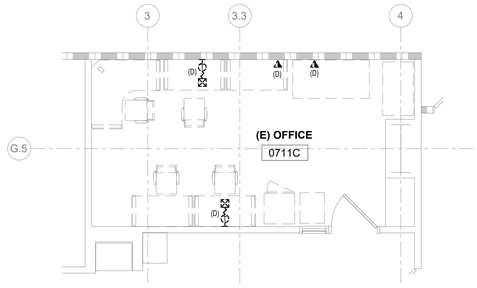
SHEET NOTES

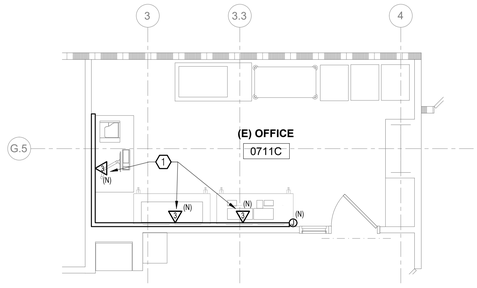
1. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
2. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.

NUMBERED NOTES

1. (N) TELECOM DATA SHALL BE MOUNTED ON SURFACE RACEWAY.



30 ENLARGED FLOOR PLAN - PHASE 1 - MAKE READY - ROOM 0711C - DEMO TELECOM
1/4" = 1'-0"



20 ENLARGED FLOOR PLAN - PHASE 1 - MAKE READY - ROOM 0711C - NEW TELECOM
1/4" = 1'-0"

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Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN - DEMO & NEW TELECOM - PHASE 1 - MAKE READY

LICENSED PROFESSIONAL ENGINEER — GORDON PAK KAI WONG — No. E 018416 — ELECTRICAL — STATE OF CALIFORNIA
06/14/2024

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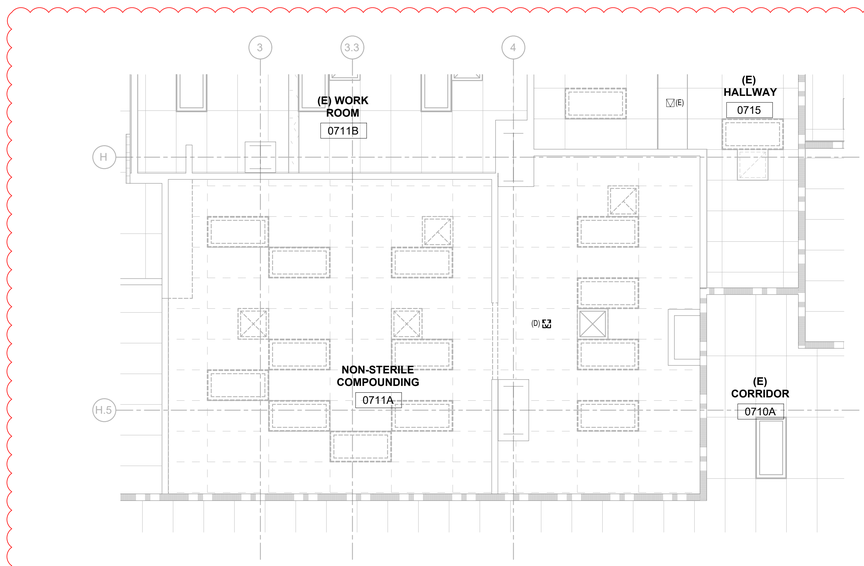
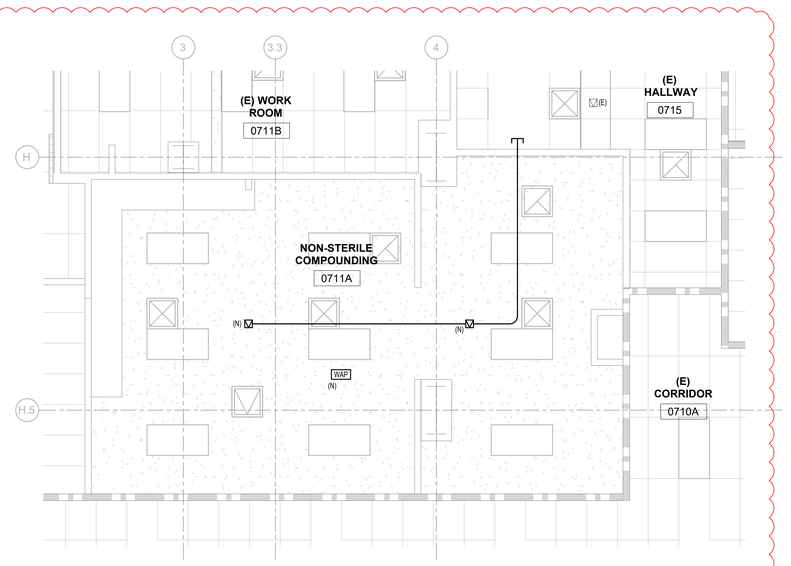


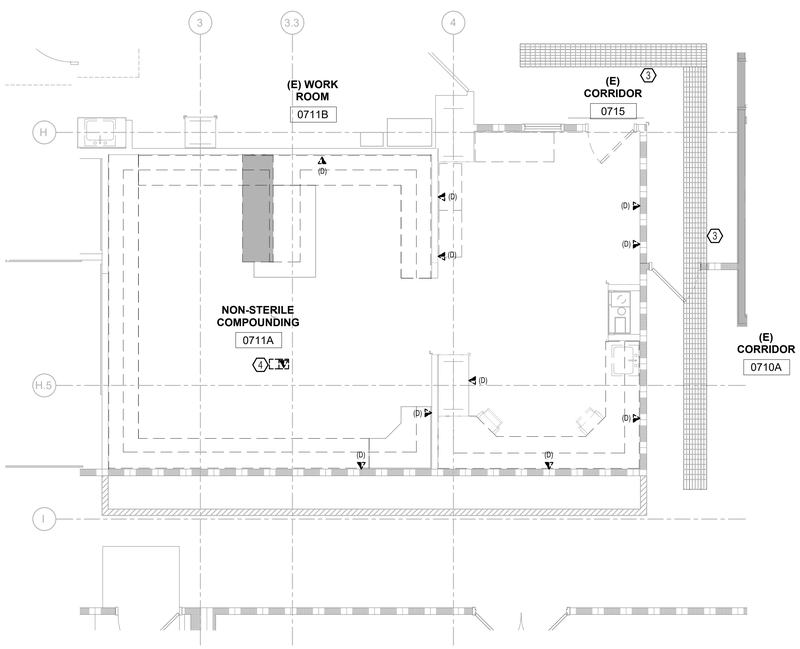
28 ENLARGED BASEMENT RCP PLAN - PHASE 1 - DEMO TELECOM



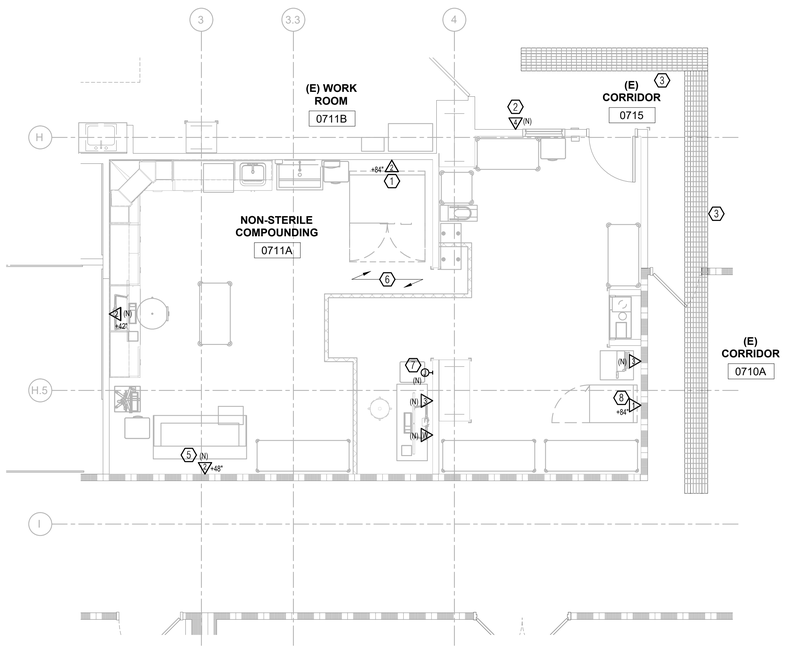
20 ENLARGED BASEMENT RCP PLAN - PHASE 1 - NEW TELECOM

1/4" = 1'-0"

ACD-001



30 ENLARGED BASEMENT FLOOR PLAN - PHASE 1 - DEMO TELECOM



20 ENLARGED BASEMENT FLOOR PLAN - PHASE 1 - NEW TELECOM

1/4" = 1'-0"

SHEET NOTES

1. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
2. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.
3. DEMOLISH ALL EXISTING CABLES THAT ARE NOT CURRENT CAT-6A STANDARD BACK TO TELECOMMUNICATION ROOMS, AND REMOVE FROM PATCH PANEL.

NUMBERED NOTES

1. (N) DOUBLE DOORS REFRIGERATOR. TEMPERATURE ALARM MONITORING.
2. SECURITY CONTROL PANEL. COORDINATE WITH SECURITY CONTRACTOR FOR LOCATION AND MOUNTING HEIGHT.
3. UTILIZE (E) 18" CABLE TRAY FOR (N) LOW VOLTAGE CABLING.
4. FLOOR DATA SHALL BE REMOVED. PULL OUT (E) CABLING AND ABANDON (E) CONDUIT IN PLACE.
5. HOOD.
6. PROVIDE GARVIN #AMR1 AND #AMR2 ADJUSTABLE DEVICE RINGS FOR FORTRESS WALL SYSTEM.
7. (N) JUNCTION BOX FOR PANIC BUTTON. STUB 1 1/4" CONDUIT TO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATING BUSHING.
8. (N) SINGLE DOORS REFRIGERATOR. TEMPERATURE ALARM MONITORING.

ACD-001 3

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD: 07/03/2025

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
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(916)734-7024

HY ARCHITECTS PROJECT #: 5938
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Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:
EDGE Electrical Engineering
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL

Sheet Title: ENLARGED BASEMENT PLAN & RCP - DEMO & NEW TELECOM - PHASE 1

ACD-001

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. T2.03
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

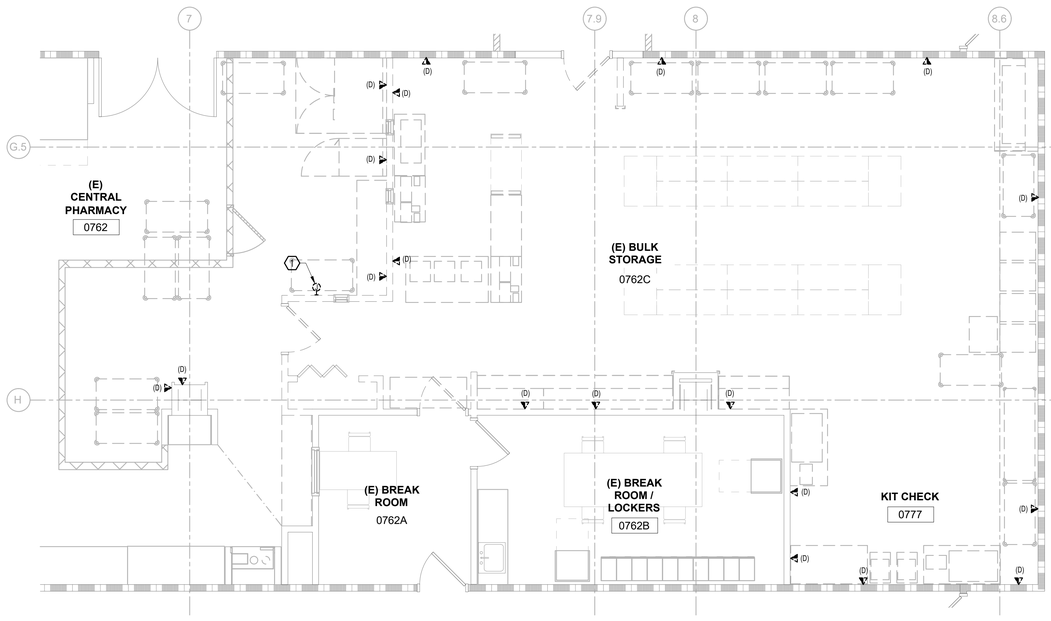
ACD-001

NUMBERED NOTES

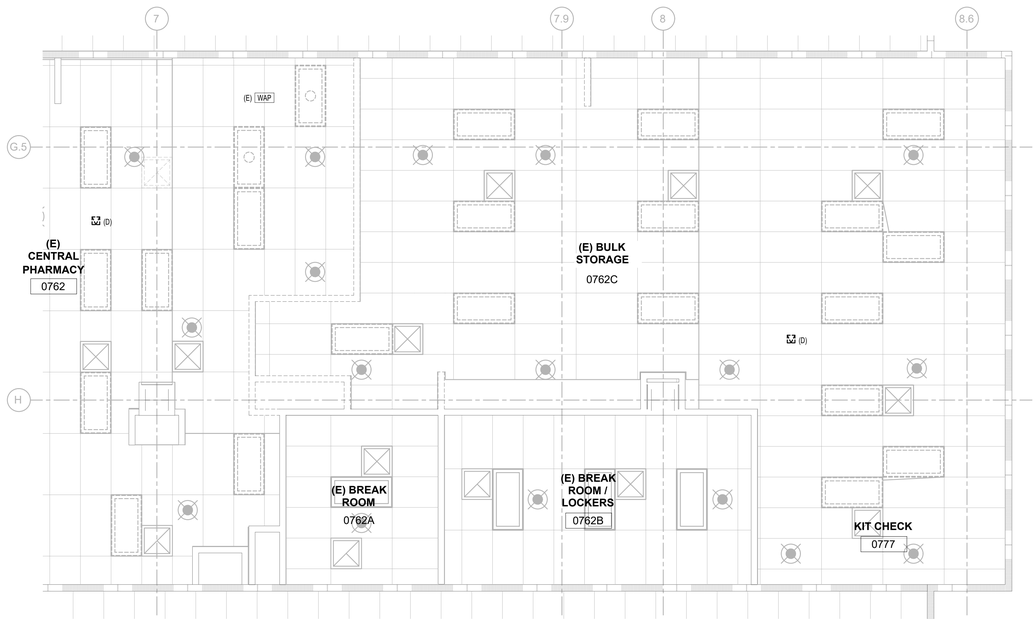
1. (E) SECURITY CARD EQUIPMENT SHALL BE REMOVED.
2. (N) SECURITY MONITORING. COORDINATE WITH VENDOR FOR EXACT LOCATION. MOUNT 12" BELOW CEILING HEIGHT.
3. (N) JUNCTION BOX FOR PANIC BUTTON. STUB 1 1/4" CONDUIT TO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATING BUSHING.
4. (N) SINGLE DOOR REFRIGERATOR. TEMPERATURE ALARM MONITORING.
5. KITCHECK AND PRINTER (ZEBRA).

SHEET NOTES

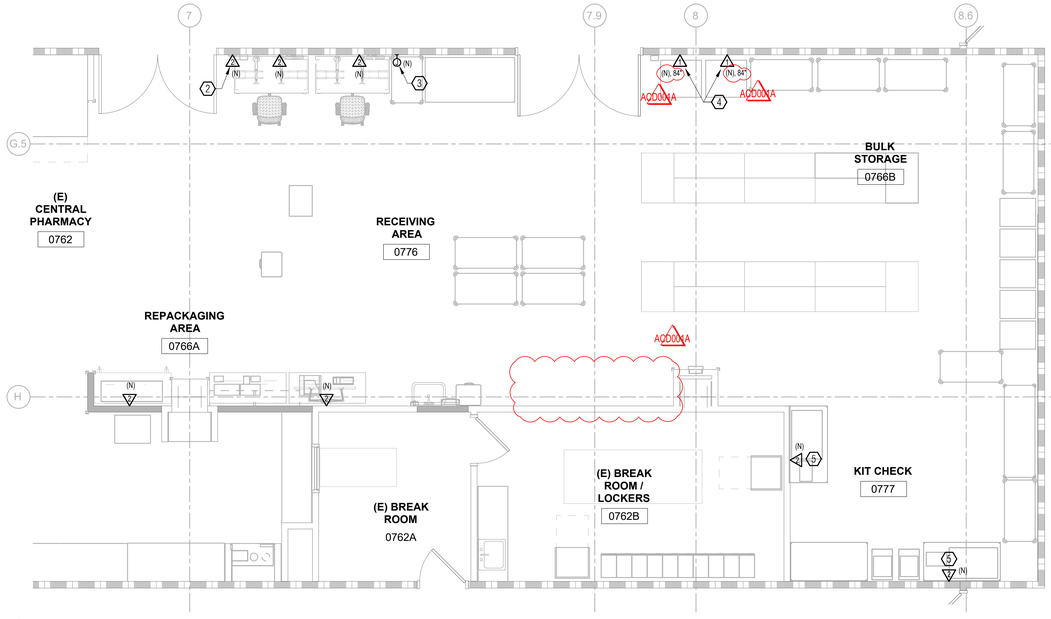
1. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
2. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.
3. DEMOLISH ALL EXISTING CABLES THAT ARE NOT CURRENT CAT-6A STANDARD BACK TO TELECOMMUNICATION ROOMS, AND REMOVE FROM PATCH PANEL.



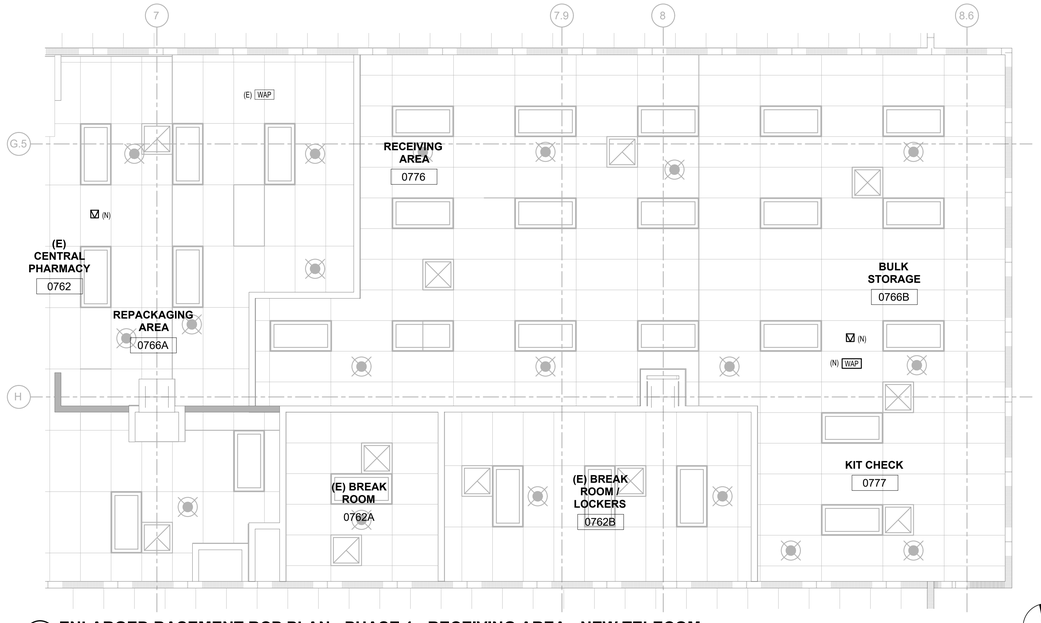
28 ENLARGED BASEMENT FLOOR PLAN - PHASE 1 - RECEIVING AREA - DEMO TELECOM
1/4" = 1'-0"



13 ENLARGED BASEMENT RCP PLAN - PHASE 1 - RECEIVING AREA - DEMO TELECOM
1/4" = 1'-0"



30 ENLARGED BASEMENT FLOOR PLAN - PHASE 1 - RECEIVING AREA - NEW TELECOM
1/4" = 1'-0"



15 ENLARGED BASEMENT RCP PLAN - PHASE 1 - RECEIVING AREA - NEW TELECOM
1/4" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

TONY YAK KIT TAN No. E 018476 ELECTRICAL STATE OF CALIFORNIA
08/25/2025

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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SACRAMENTO, CALIFORNIA, 95817
(916)734-7024

HY ARCHITECTS PROJECT #: 5938
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1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025
ACD001A	SCOPE REDUCTION BACKCHECK 1	8/25/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN & RCP - DEMO & NEW TELECOM - PHASE 1
ACD-001

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. T2.04
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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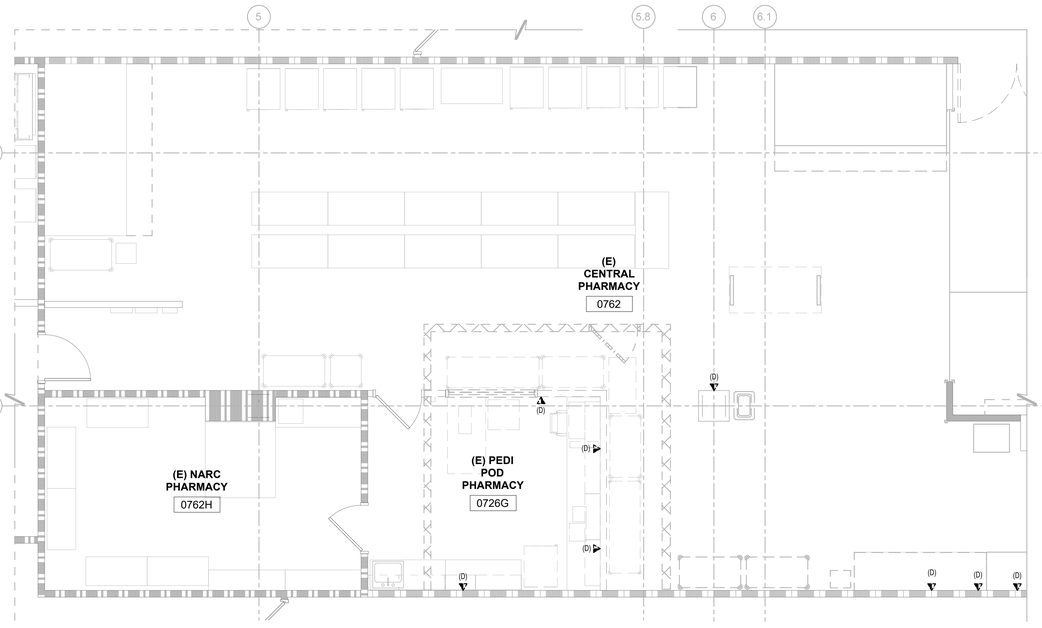
ACD-001

NUMBERED NOTES

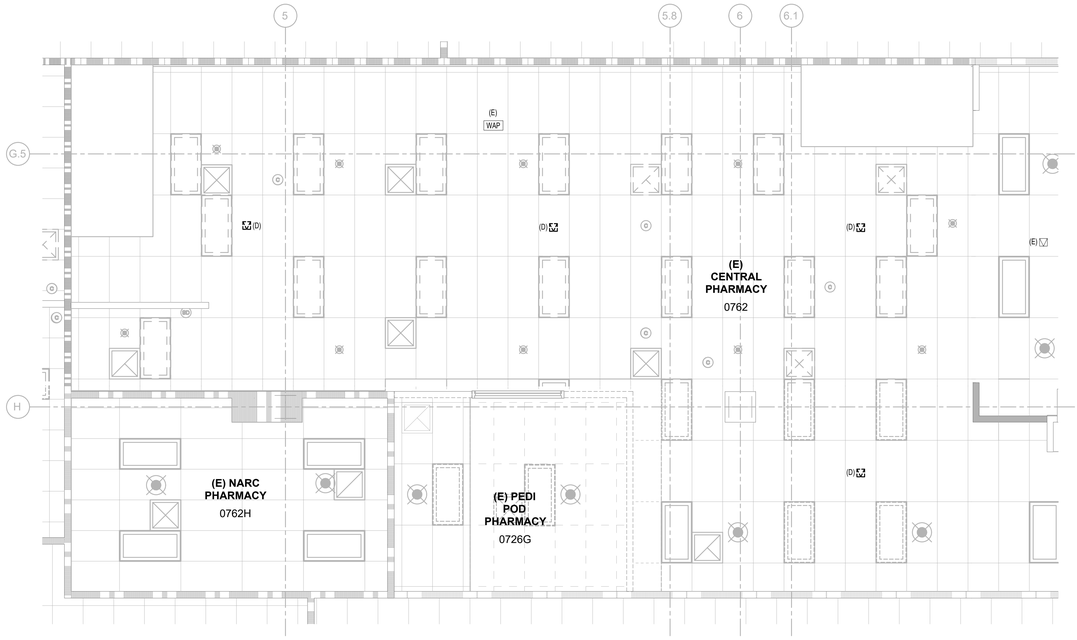
1. PROVIDE (N) 1 1/4" CONDUIT WHIP FOR SECURITY.
2. STUB UP 1 1/4" MT FOR TELE/DATA FOR CAROUSEL. COORDINATE WITH VENDOR FOR EXACT LOCATION.
3. (ER) PYXIS.
4. (ER) UNDERCOUNTER REFRIGERATOR.
5. (N) SECURITY DEVICES. REFER TO SECURITY DRAWINGS FOR ADDITIONAL INFORMATION.

SHEET NOTES

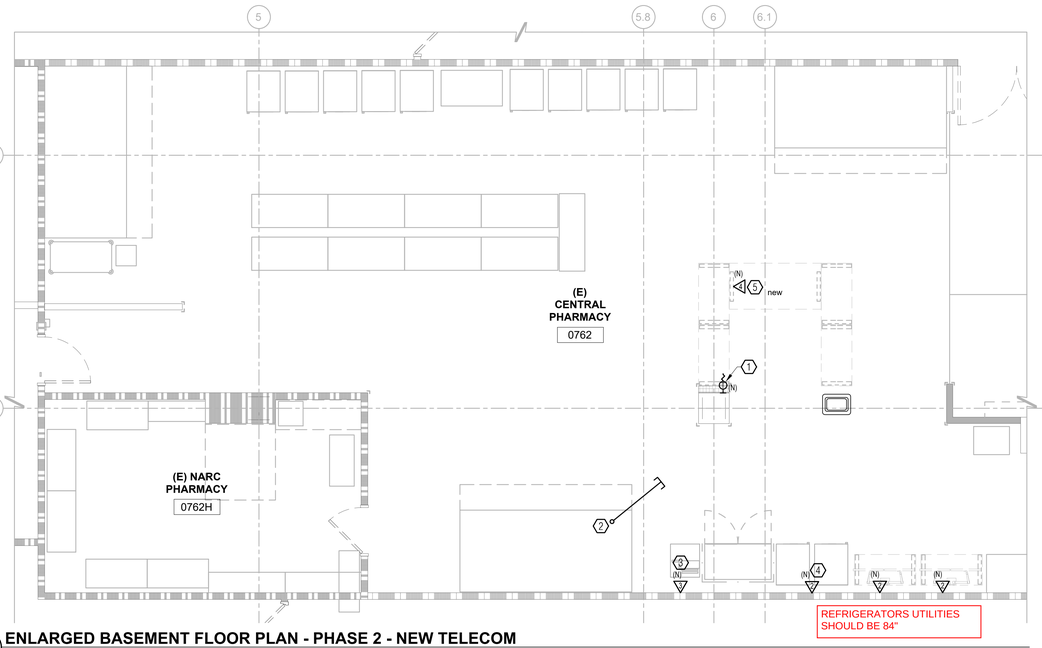
1. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
2. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.
3. DEMOLISH ALL EXISTING CABLES THAT ARE NOT CURRENT CAT-6A STANDARD BACK TO TELECOMMUNICATION ROOMS, AND REMOVE FROM PATCH PANEL.



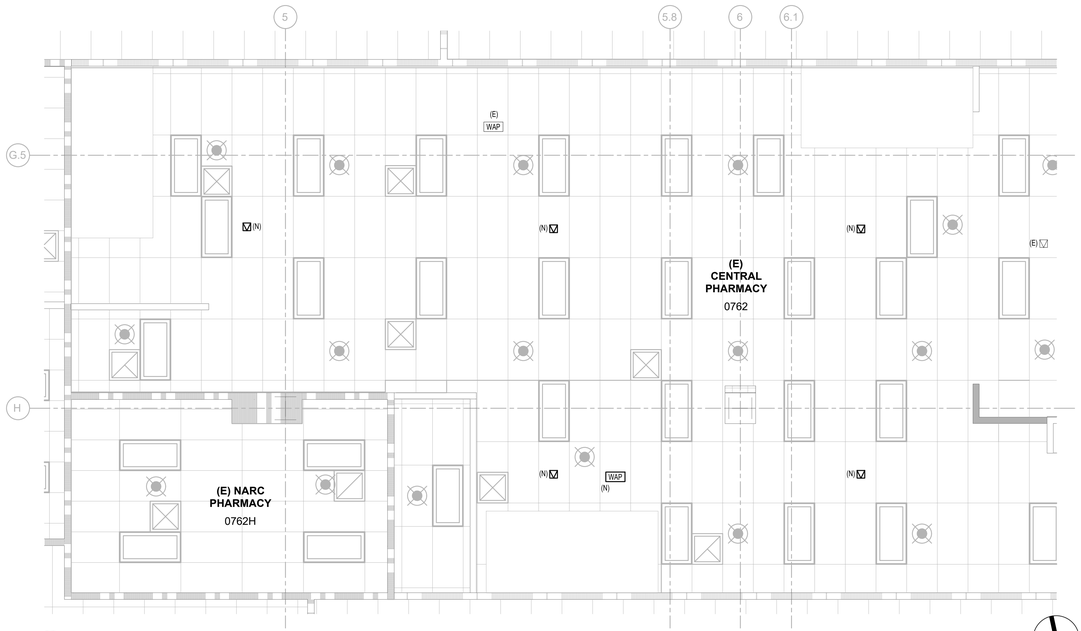
28 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - DEMO TELECOM
1/4" = 1'-0"



13 ENLARGED BASEMENT RCP PLAN - PHASE 2 - DEMO TELECOM
1/4" = 1'-0"



30 ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - NEW TELECOM
1/4" = 1'-0"



15 ENLARGED BASEMENT RCP PLAN - PHASE 2 - NEW TELECOM
1/4" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
S241013-34-00-ACD0001
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:
07/03/2025

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
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THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024
ACD-001	SCOPE REDUCTION	7/3/2025

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: ENLARGED BASEMENT PLAN & RCP - DEMO & NEW TELECOM - PHASE 2
ACD-001

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO. T2.05
UCDMC Project Mgr. Checker	Scale: As indicated	
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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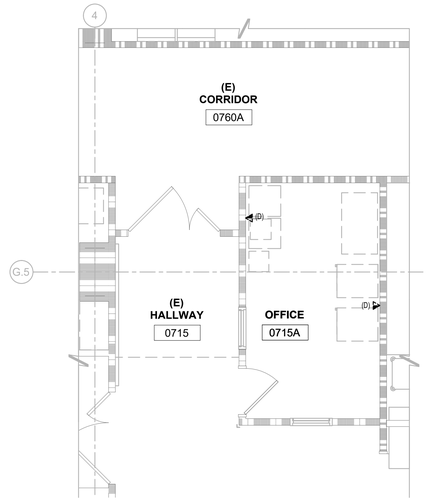
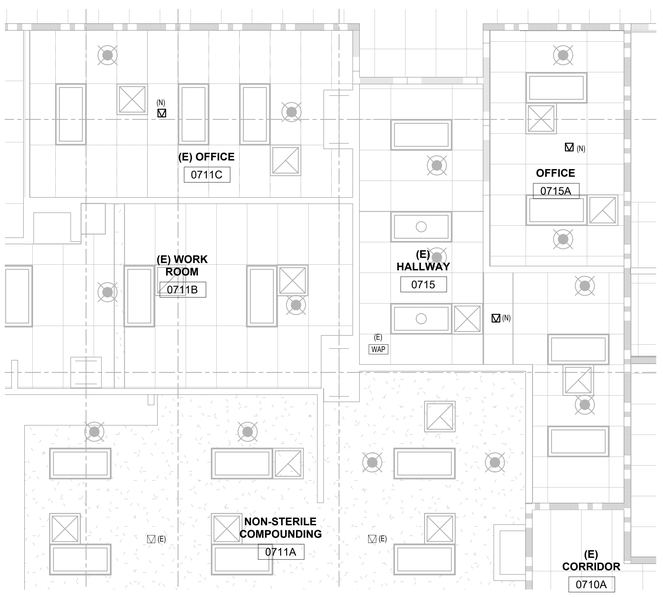
ENLARGED BASEMENT RCP PLAN - PHASE 2 - OFFICE - DEMO TELECOM

28 1/4" = 1'-0"



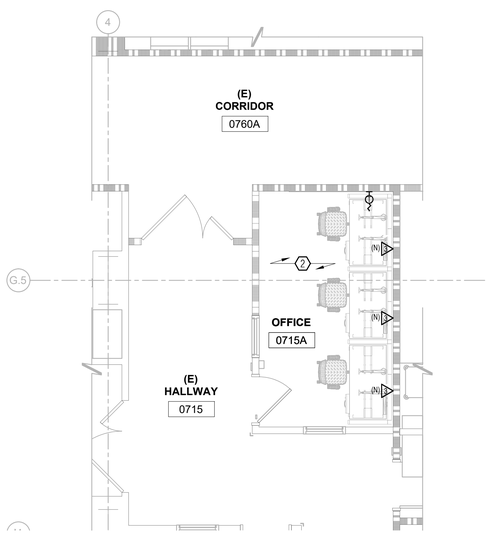
ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - OFFICE - DEMO TELECOM

18 1/4" = 1'-0"



ENLARGED BASEMENT RCP PLAN- PHASE 2 - OFFICE - NEW TELECOM

30 1/4" = 1'-0"



ENLARGED BASEMENT FLOOR PLAN- PHASE 2 - OFFICE - NEW TELECOM

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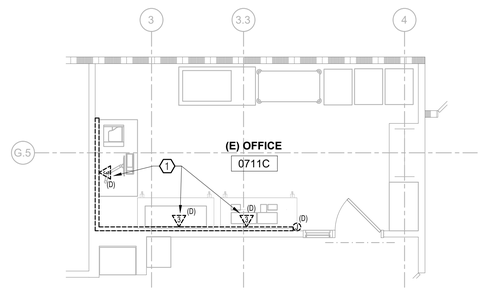
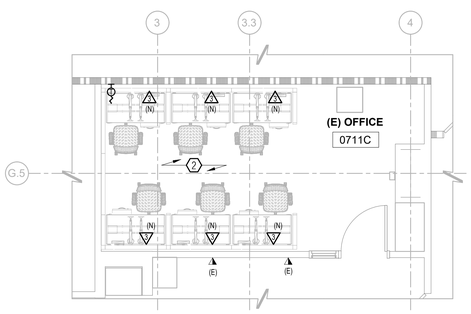


ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - DEMO TELECOM

9 1/4" = 1'-0"



ENLARGED BASEMENT FLOOR PLAN - PHASE 2 - NEW TELECOM

10 1/4" = 1'-0"

SHEET NOTES

1. DIMENSIONS INDICATED ON PLANS ARE TO THE CENTER OF THE BOX, ABOVE FINISHED FLOOR. COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS.
2. LOCATIONS AND MOUNTING HEIGHTS OF WALL MOUNTED WIRING DEVICES SUCH AS POWER RECEPTACLES, DATA OUTLETS, SWITCHES, DIMMERS, ETC., ARE TO BE ULTIMATELY COORDINATED W/ ARCHITECTURAL DRAWINGS.
3. DEMOLISH ALL EXISTING CABLES THAT ARE NOT CURRENT CAT-6A STANDARD BACK TO TELECOMMUNICATION ROOMS, AND REMOVE FROM PATCH PANEL.

NUMBERED NOTES

1. (E) SURFACE RACEWAY SHALL BE REMOVED.
2. TELE-DATA FOR MODULAR FURNITURE. PROVIDE ALL NECESSARY MODULAR HARDWARE COMPONENTS AND ACCESSORIES FOR COMPLETE INSTALLATION.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
9/25/2025, 2:49:59 PM
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DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
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Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
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Sheet Title: ENLARGED BASEMENT PLAN & RCP - DEMO & NEW TELECOM - PHASE 2

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	T2.06
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2025	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

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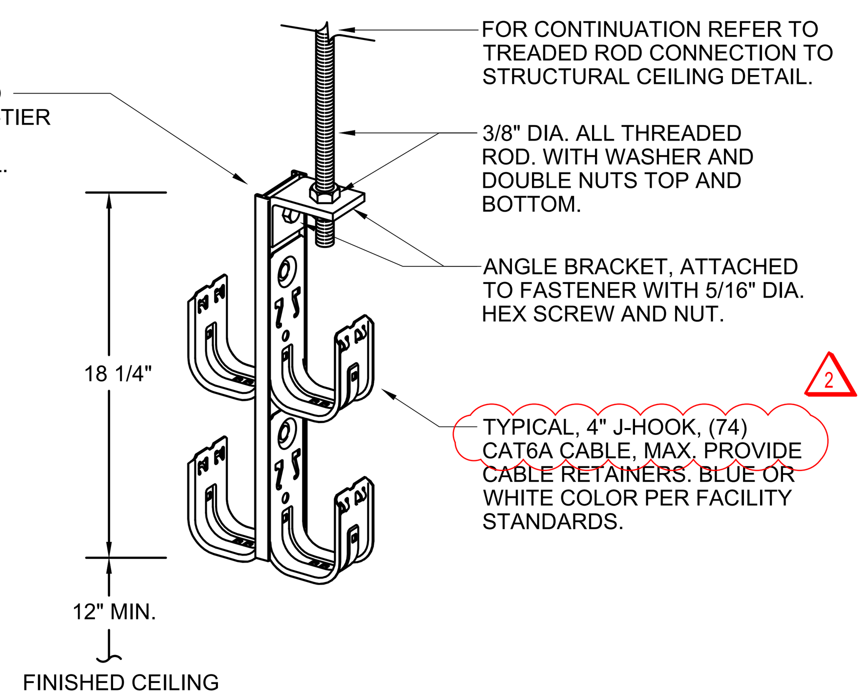
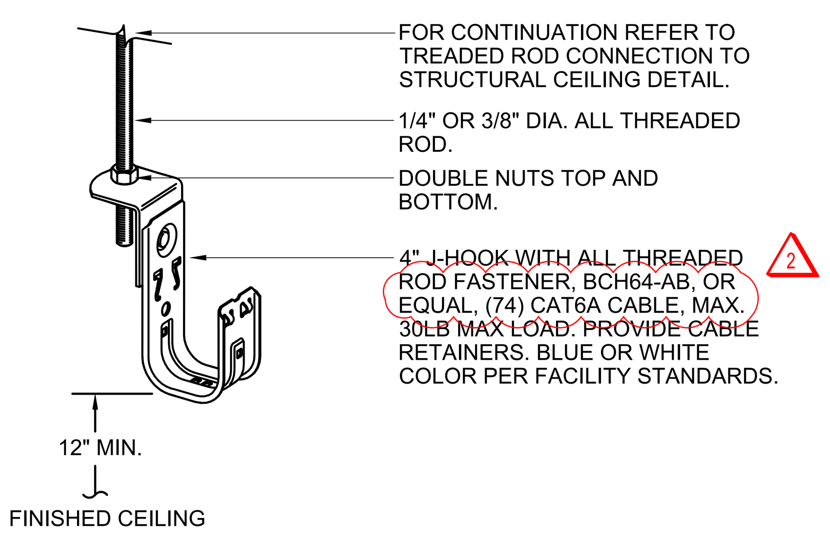


NOTES:

1. MAXIMUM LOAD PER INDIVIDUAL J-HOOK IS 30LBS.
2. MAXIMUM LOAD FOR (4) J-HOOK SYSTEM IS 120LBS.
3. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
4. J-HOOK SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.

28 MULTI-TIER J-HOOK DETAIL

NO SCALE

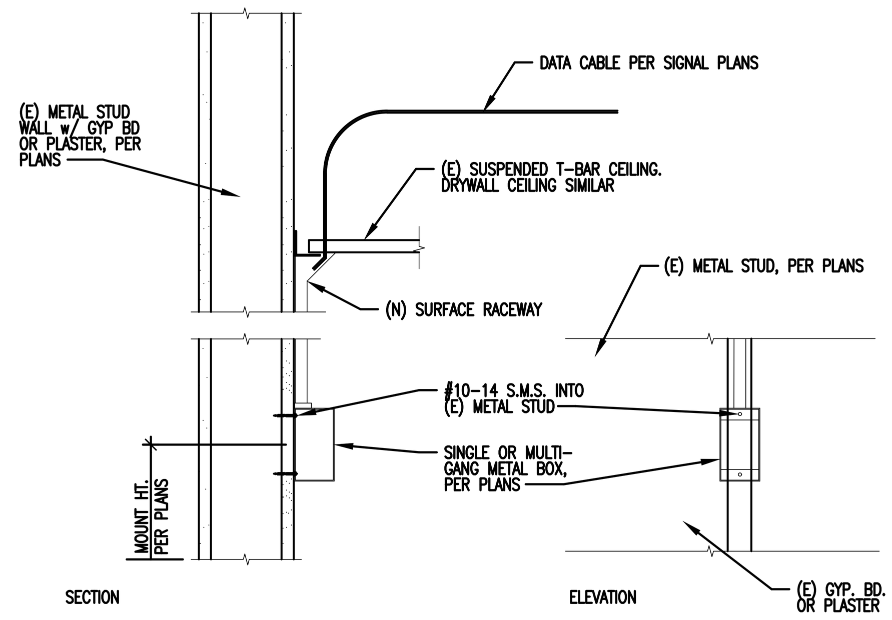


NOTES:

1. MAXIMUM TOTAL LOAD PER J-HOOK IS 20LBS, MAXIMUM TOTAL UNIFORM LOAD IS 5LBS PER LINEAL FOOT.
2. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
3. J-HOOK SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.

29 J-HOOK SUPPORT DETAIL - SINGLE

NO SCALE



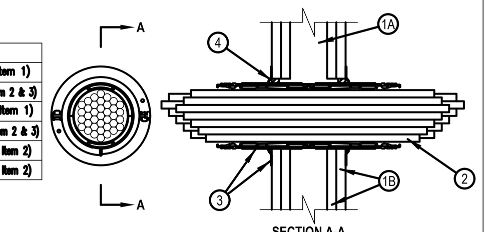
EXISTING WALL: RATED OR NON-RATED

30 DATA CUT-IN BOX - SURFACE MOUNT

NO SCALE

System No. W-L-3334

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings – 1, 2, 3 and 4 Hr (See Item 1)	F Ratings – 1, 2, 3 and 4 Hr (See Item 1)
T Ratings – 0, 1, 1-3/4, 2, 3 and 4 Hr (See Item 2 & 3)	FT Ratings – 0, 1, 1-3/4, 2, 3 and 4 Hr (See Item 2 & 3)
L Rating At Ambient – Less Than 1 CFM (See Item 2)	FH Ratings – 1, 2, 3 and 4 Hr (See Item 1)
L Ratings At 400°F – 1 and Less Than 1 CFM (See Item 2)	FTH Ratings – 0, 1, 1-3/4, 2, 3 and 4 Hr (See Item 2 & 3)
	L Rating At Ambient – Less Than 1 CFM (See Item 2)
	L Ratings At 400° F – Less Than 1 CFM (See Item 2)



1. WALL ASSEMBLY – THE 1, 2, 3 OR 4 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400, V400 OR W400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 2-1/2 IN. (64 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC. FOR 1 AND 2 HR WALL ASSEMBLIES. STEEL STUDS TO BE 3-5/8 IN. (92 MM) FOR 3 AND 4 HR WALL ASSEMBLIES.
   B. GYPSUM BOARD* – 5/8 IN. (16 MM) THICK GYPSUM BOARD AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. OPENING IN GYPSUM BOARD TO BE MAX 2-1/2 IN. (64 MM) DIAM FOR 2 IN. DEVICE AND MAX 4-1/2 IN. (114 MM) DIAM FOR 4 IN. DEVICE. THE HOURLY F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE DEPENDENT UPON THE HOURLY RATING OF THE WALL IN WHICH IT IS INSTALLED.
2. CABLES – ONE OR MORE CABLES TO BE INSTALLED THROUGH 1 IN. (25 MM) DIAM HOLES DRILLED THROUGH THE GYPSUM BOARD ON BOTH SIDES OF WALL. ANY COMBINATION OF THE FOLLOWING TYPES OF CABLES MAY BE USED:
   A. MAX 100 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR TELECOMMUNICATION CABLE WITH POLYVINYL CHLORIDE (PVC) JACKETING AND INSULATION.
   B. MAX 7/C NO. 12 AWG COPPER CONDUCTOR CONTROL CABLE WITH PVC OR XLPE JACKET AND INSULATION.
   C. MAX 4/0 AWG TYPE RHH GROUND CABLE.
   D. MAX 4 PR NO. 22 AWG CAT 5 OR CAT 6 COMPUTER CABLES.
   E. MAX RG 6/U COAXIAL CABLE WITH FLUORINATED ETHYLENE INSULATION AND JACKETING.
   F. FIBER OPTIC CABLE WITH POLYVINYL CHLORIDE (PVC) OR POLYETHYLENE (PE) JACKET AND INSULATION HAVING A MAX DIAM OF 1/2 IN. (13 MM).
   G. MAX 20/C NO. 22 AWG SHIELDED PRINTER CABLE WITH PVC JACKET.
   H. THROUGH-PENETRATING PRODUCT* – TWO COPPER CONDUCTORS NO. 18 AWG (OR SMALLER) POWER OR NON POWER LIMITED FIRE ALARM CABLE WITH OR WITHOUT A JACKET UNDER A METAL ARMOR. AFC CABLE SYSTEMS INC
   I. MAX. 1/4 IN. (6 MM) DIAMETER S-VIDEO CABLE CONSISTING OF 2 MAX 24 AWG 75 OHM COAX OR TWISTED PAIR CABLE WITH PE INSULATION AND PVC JACKET.
   J. MAX 3/C NO 12 AWG MC CABLE.
   K. THROUGH PENETRATING PRODUCT* – ANY CABLES, ARMORED CABLE+ OR METAL CLAD CABLE+ CURRENTLY CLASSIFIED UNDER THE THROUGH PENETRATING PRODUCT CATEGORY. SEE THROUGH PENETRATING PRODUCT (XHLY) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
   FOR OPENING WITH CABLES, WHEN THE HOURLY RATING OF THE WALL ASSEMBLY IS 1 HR, THE T, FT AND FTH RATINGS ARE 0 HR. FOR OPENING WITH CABLES, WHEN THE HOURLY RATING OF THE WALL ASSEMBLY IS 2 HR, THE T, FT AND FTH RATINGS ARE 1-3/4 HR EXCEPT THAT, WHEN ITEM 2C, 2G, 2I, 2J OR 2K IS USED, THE T, FT AND FTH RATINGS ARE 1 HR FOR 2C, 2 OR 2I AND THE T, FT AND FTH RATINGS ARE 1/2 HR FOR 2J OR 2 K (SEE ITEM 3 ALSO). WHEN THE HOURLY RATING OF THE WALL ASSEMBLY IS 3 OR 4 HR, THE T, FT AND FTH RATINGS ARE 2 HR. FOR WALL ASSEMBLIES WITH A 3 OR 4 HR RATING, ITEMS 2G AND 2I ARE NOT TO BE USED.

   L RATINGS APPLY ONLY WHEN DEVICE FLANGES AND CP 606 OR FS-ONE SEALANT ARE USED. SEE TABLE BELOW FOR L RATINGS.

MAX CABLE FILL	CABLE TYPE	L RATING, CFM/SQ FT		L RATING, CFM	
		AMBIENT	400°F	AMBIENT	400°F
0%	-	LESS THAN 1	LESS THAN 1	LESS THAN 1	LESS THAN 1
100%	ITEM 2D ONLY	5	1	LESS THAN 1	LESS THAN 1
100%	ANY CABLES (ITEM 2) IN ANY COMBINATION	9	10	LESS THAN 1	1

3. FIRESTOP DEVICE* – FIRESTOP DEVICE CONSISTS OF A CORRUGATED STEEL TUBE WITH AN INNER PLASTIC HOUSING, INTUMESCENT MATERIAL RINGS AND TWISTED INNER FABRIC SMOKE SEAL. FIRESTOP DEVICE TO BE INSTALLED IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS. AS AN OPTION, THE INNER FABRIC SEAL MAY REMAIN OPEN EXCEPT THAT, TO ATTAIN THE L RATING, THE INNER FABRIC SEAL SHALL BE TWISTED TO COMPLETELY CLOSE OFF THE OPENING WITHIN DEVICE. DEVICE SLID INTO WALL SUCH THAT ENDS PROJECT AN EQUAL DISTANCE FROM THE APPROXIMATE CENTERLINE OF THE WALL ASSEMBLY. THE ANNULAR SPACE BETWEEN THE DEVICE AND THE PERIPHERY OF THE OPENING SHALL BE MIN 0 IN. (POINT CONTACT). DEVICE PROVIDED WITH FLANGES THAT ARE SPUN CLOCKWISE ONTO DEVICE THREADS, BUTTING TIGHTLY TO BOTH SIDES OF WALL. DEVICE FLANGES ARE OPTIONAL. WHEN THE DEVICE FLANGES ARE NOT USED, THE T, FT AND FTH RATINGS FOR THE FIRESTOP SYSTEM ARE 0 HR. FOR BLANK OPENING (NO CABLES), THE T, FT AND FTH RATINGS FOR THE FIRESTOP SYSTEM EQUAL THE F AND FH RATINGS ONLY WHEN THE DEVICE FLANGES ARE USED. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC – CP 653 2" SPEED SLEEVE AND CP 653 4" SPEED SLEEVE
4. FILL, VOID OR CAVITY MATERIAL* – SEALANT – MIN 1/2 IN. (13 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS BETWEEN FIRESTOP DEVICE AND WALL, FLUSH WITH BOTH SURFACES OF WALL, AND AN ADDITIONAL 1/4 IN. (6 MM) BEAD APPLIED AROUND PERIPHERY OF DEVICE. WHEN DEVICE FLANGES ARE USED, GYPSUM DRYWALL COMPOUND MAY BE USED IN PLACE OF THE FILL MATERIAL.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC – FS-ONE OR CP 606 SEALANT

* BEARING THE UL CLASSIFICATION MARK

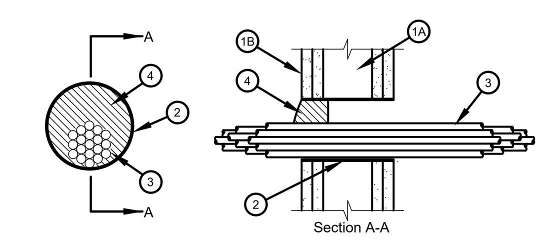
Hilti Firestop Systems — Classified by Underwriters Laboratories, Inc. — STI

18 RATED THRU-WALL PEN. - SPEED SLEEVE

NO SCALE

System No. W-L-3272

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings – 1 and 2 Hr (See Item 1)	F Ratings – 1 and 2 Hr (See Item 1)
T Ratings – 0 Hr	FT Ratings – 0 Hr
	FH Ratings – 1 and 2 Hr (See Item 1)
	FTH Ratings – 0 Hr



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400, V400 OR W400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (64 MM) WIDE, FABRICATED FROM MIN. 25 MSG GALVANIZED STEEL, SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – NOM. 5/8 IN. (16 MM) THICK GYPSUM BOARD WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, NUMBER OF LAYERS AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARITION DESIGN. MAX DIA. OF OPENING IS 5-1/2 IN. (140 MM).
   THE HOURLY F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. STEEL SLEEVE – NOM. 2 OR 4 IN. (51 OR 102 MM) DIA. SCHEDULE 5 (OR HEAVIER) STEEL PIPE SLEEVE. SLEEVE TO BE FLUSH WITH WALL SURFACES OR MAY EXTEND UP TO 12 IN. (305 MM) BEYOND EITHER OR BOTH WALL SURFACES. THE ANNULAR SPACE BETWEEN THE STEEL SLEEVE AND THE PERIPHERY OF OPENING SHALL BE MIN 0 IN. (CONTINUOUS POINT CONTACT) TO MAX. 1 IN. (25 MM). WHERE SLEEVE EXTENDS MORE THAN 2 IN. (51 MM) BEYOND WALL SURFACE IT SHALL BE RIGIDLY SUPPORTED.
3. CABLES – AGGREGATE CROSS-SECTIONAL AREA OF BUNDLED CABLES IN OPENING TO BE MAX. 50 PERCENT OF THE CROSS-SECTIONAL AREA OF THE OPENING. THE ANNULAR SPACE BETWEEN THE CABLE BUNDLE AND THE PERIPHERY OF THE OPEING OR SLEEVE TO BE MIN. 0 IN. (POINT CONTACT) TO MAX. 1 IN. CABLES TO BE TIGHTLY BUNDLED AND RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF CALBES MAY BE USED:
   A. MAX 300 PAIR NO. 24 AWG TELEPHONE CABLE WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET.
   B. MAX 750 KCMIL SINGLE COPPER CONNECTOR POWER CABLE WITH THERMOPLASTIC INSULATION AND PVC JACKET.
   C. MAX 7/C NO. 12 AWG MULTICONDUCTOR POWER AND CONTROL CABLE WITH PVC OR CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND PVC JACKET.
   D. MULTIPLE FIBER OPTICAL COMMUNICATION CABLE JACKETED WITH PVC AND HAVING A MAX OUTSIDE DIA. OF 1/2 IN. (13 MM).
   E. MAX 3/C NO. 12 AWG WITH BARE ALUMINUM GROUND, PVC INSULATED STEEL METAL-CLAD CABLE.
   F. MAX 1 IN. (25 MM) DIA. METAL CLAD TEK CABLE WITH PVC JACKET.
4. FIRESTOP SYSTEM – THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
   A. FILL, VOID OR CAVITY MATERIAL* – PLUG – NOM. 2, 2.5 OR 4 IN. (51, 64 OR 102 MM) PLUG SIZED FOR THE STEEL SLEEVE FRICTION-FITTED WITHIN THE SLEEVE SUCH THAT THE OUTER CIRCUMFERENCE OF THE DOME-SHAPED PLUG IS FLUSH WITH EITHER END OF SLEEVE. PLUG CUT TO FIT AROUND THE CABLE BUNDLE AND INSTALLED TIGHTLY WITHIN THE SLEEVE.
   HILTI CONSTURCTION CHEMICALS, DIV OF HILTI INC – CP 658T FIRESTOP PLUG 2.5 OR 4 IN. OR CFS-PL FIRESTOP PLUG 2 OR 4 IN.
   B. FILL, VOID OR CAVITY MATERIAL* – SEALANT – (NOT SHOWN) – MIN. 5/8 IN. (16 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS BETWEEN SLEEVE AND PERIPHERY OF OPENING, FLUSH WITH EACH SIDE OF WALL. AT POINT CONTACT LOCATION, A MIN. 1/2 IN. (13 MM) BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE SLEEVE/WALL INTERFACE WHEN SLEEVE EXTENDS BEYOND SURFACE OF WALL.
   HILTI CONSTURCTION CHEMICALS, DIV OF HILTI INC – FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR cUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR cUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

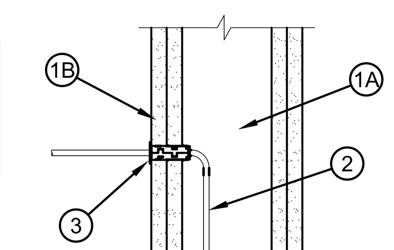
Hilti Firestop Systems — Classified by Underwriters Laboratories, Inc. — STI

13 RATED THRU-WALL PEN. - CONDUIT

NO SCALE

System No. W-L-3369

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings – 1 and 2 Hr (See Item 1)	F Ratings – 1 and 2 Hr (See Item 1)
T Ratings – 1 and 2 Hr (See Item 1)	FT Ratings – 1 and 2 Hr (See Item 1)
L Rating At Ambient – Less Than 1 CFM/Device	FH Ratings – 1 and 2 Hr (See Item 1)
L Ratings At 400°F – Less Than 1 CFM/Device	FTH Ratings – 1 and 2 Hr (See Item 1)
	L Rating At Ambient – Less Than 1 CFM/Device
	L Ratings At 400° F – Less Than 1 CFM/Device



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – 5/8 IN. (16 MM) THICK, 4 FT (1.2 M) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY.
   THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. CABLE – ONE MAX 4 PAIR NO. 22 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH PLENUM-RATED OR PVC INSULATION AND JACKET OR TWO MAX 2/C NO. 18 AWG (OR SMALLER) STRANDED COPPER CONDUCTOR CABLES WITH PLENUM-RATED OR PVC INSULATION AND JACKET. CABLE(S) TO BE ROUTED INTO STUD CAVITY THROUGH 9/16 IN. (14 MM) DIAM HOLE DRILLED THROUGH GYPSUM BOARD ON ONE SIDE OF WALL.
3. FIRESTOP DEVICE* – DEVICE CONSISTING OF PLASTIC GROMMET HALVES WITH FOAM INSERTS. PLASTIC GROMMET DEVICE SHALL BE INSTALLED AROUND CABLE AT IT'S EGRESS FROM THE GYPSUM BOARD WALL AND INSERTED IN WALL OPENING IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS.

SPECIFIED TECHNOLOGIES INC – READY FIRESTOP GROMMET RFG1

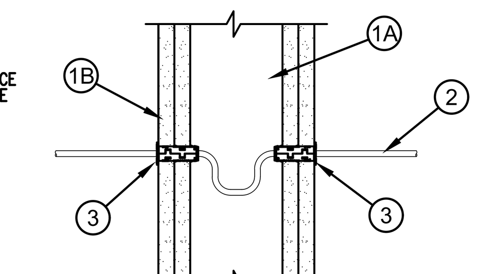
* BEARING THE UL CLASSIFICATION MARK

7 RATED WALL PENETRATION - SINGLE WIRE

NO SCALE

System No. W-L-3370

F RATINGS – 1 AND 2 HR (SEE ITEM 1)
T RATINGS – 1 AND 2 HR (SEE ITEM 1)
L RATING AT AMBIENT – LESS THAN 1 CFM/DEVICE
L RATING AT 400°F – LESS THAN 1 CFM/DEVICE



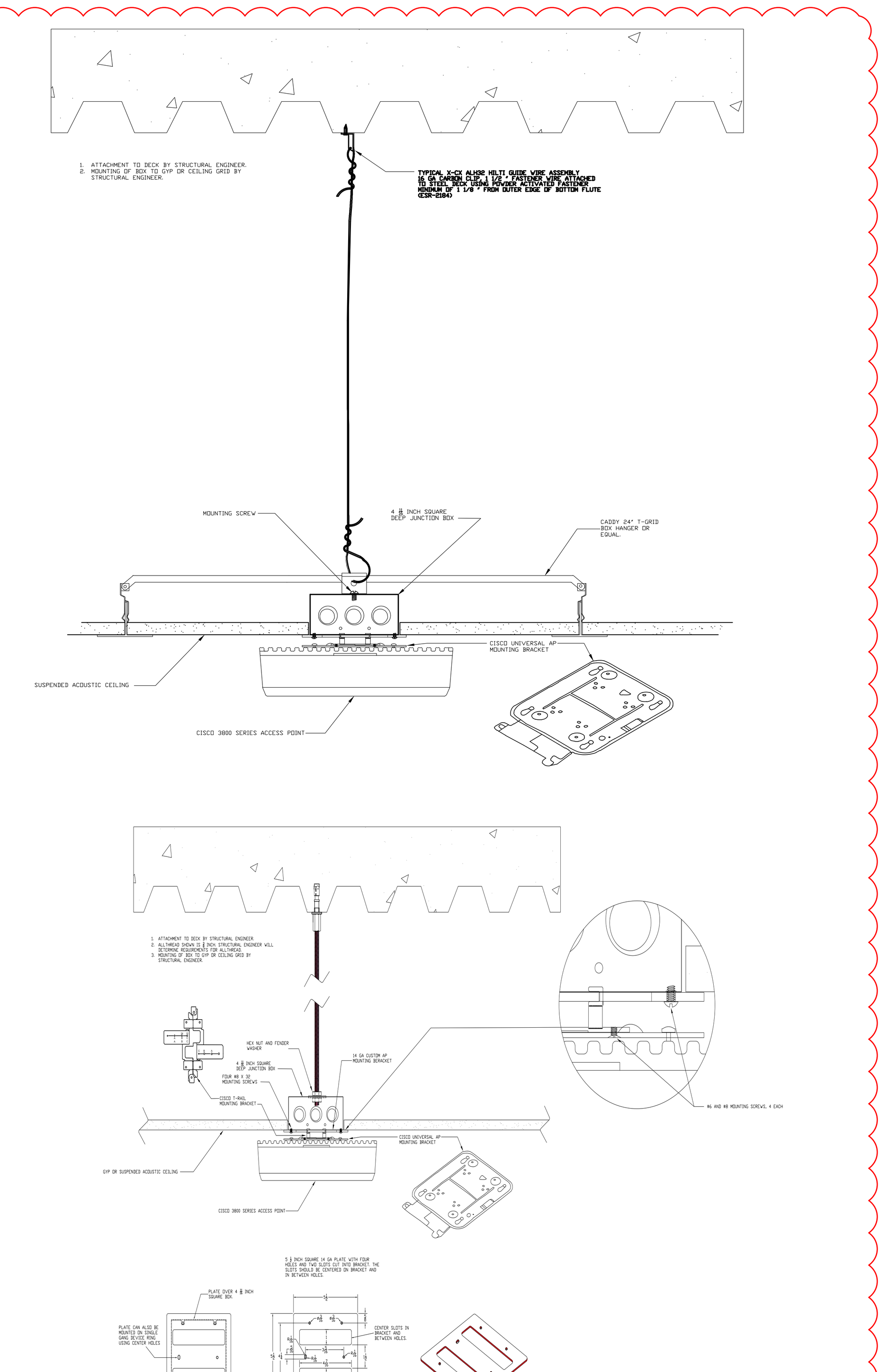
1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – 5/8 IN. (16 MM) THICK, 4 FT (1.2 M) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY.
   THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. CABLE – ONE MAX 4 PAIR NO. 22 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH PLENUM-RATED OR PVC INSULATION AND JACKET OR TWO MAX 2/C NO. 18 AWG (OR SMALLER) STRANDED COPPER CONDUCTOR CABLES WITH PLENUM-RATED OR PVC INSULATION AND JACKET. CABLE(S) TO BE ROUTED INTO STUD CAVITY THROUGH 9/16 IN. (14 MM) DIAM HOLE DRILLED THROUGH GYPSUM BOARD ON ONE SIDE OF WALL.
3. FIRESTOP DEVICE* – DEVICE CONSISTING OF PLASTIC GROMMET HALVES WITH FOAM INSERTS. PLASTIC GROMMET DEVICE SHALL BE INSTALLED AROUND CABLE AT IT'S EGRESS FROM THE GYPSUM BOARD WALL AND INSERTED IN WALL OPENING IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS.

SPECIFIED TECHNOLOGIES INC – READY FIRESTOP GROMMET RFG1

* BEARING THE UL CLASSIFICATION MARK

8 RATED THRU-WALL PEN. - SINGLE WIRE

NO SCALE



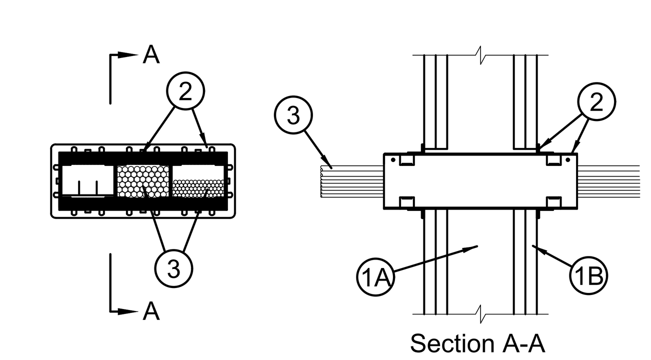
20 AP MOUNTING BRACKET - CENTERED ON BOX

NO SCALE

System No. W-L-3218

F RATINGS – 1 AND 2 HR (SEE ITEM 1)
T RATINGS – 3/4 AND 1 HR (SEE ITEM 3)

GUIDE XHEZ
THROUGH-PENETRATION FIRESTOP SYSTEMS



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – 5/8 IN. (16 MM) THICK, 4 FT (1.2 M) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 1/4 IN. LARGER THAN WIDTH AND HEIGHT DIMENSIONS OF FIRESTOP DEVICE(S).
   THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. FIRESTOP DEVICE* – ONE, TWO OR THREE FIRESTOP DEVICE MODULES GANGED TOGETHER. EACH FIRESTOP DEVICE MODULE CONSISTS OF A 3 BY 3 BY 10-1/2 IN. LONG GALV STEEL TUBE WITH AN INTUMESCENT MATERIAL LINING. FIRESTOP DEVICE MODULES TO BE INSTALLED IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS. THE SPACE BETWEEN THE FIRESTOP DEVICE MODULE(S) AND THE PERIPHERY OF THE OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 1/8 IN. FIRESTOP DEVICE MODULE(S) SECURED IN PLACE BY MEANS OF STEEL WALL PLATES SIZED TO ACCOMMODATE EITHER ONE, TWO OR THREE MODULES. WALL PLATES PROVIDED WITH A CLOSED CELL SILICONE GASKET SIZED TO LAP APPROX 1/2 IN. BEYOND THE PERIPHERY OF THE OPENING. STEEL WALL PLATES AND GASKET INSTALLED ON BOTH SIDES OF WALL AND SECURED TO EACH DEVICE BY MEANS OF STEEL SET SCREWS PROVIDED WITH DEVICE. EACH FIRESTOP DEVICE MODULE IS TO BE INSTALLED WITH ENDS PROJECTING AN EQUAL DISTANCE BEYOND EACH SURFACE OF THE WALL ASSEMBLY.

   SPECIFIED TECHNOLOGIES INC – EZ PATH

3. CABLES – WITHIN THE LOADING AREA FOR EACH FIRESTOP DEVICE MODULE, THE CABLES MAY REPRESENT A 0 TO 100% VISUAL FILL. CABLE FILL TO BE DISTRIBUTED AT A UNIFORM HEIGHT ACROSS THE WIDTH OF THE FIRESTOP DEVICE MODULE. CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES OF CABLES MAY BE USED:
   A. MAX 25 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR TELECOMMUNICATION CABLE WITH POLYVINYL CHLORIDE (PVC) JACKETING AND INSULATION.
   B. MAX 4 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH POLYVINYL CHLORIDE (PVC) JACKETING AND INSULATION.
   C. MAX RG/U COAXIAL CABLE WITH FLUORINATED ETHYLENE INSULATION AND JACKETING.

   WHEN THE HOURLY RATING OF THE WALL ASSEMBLY IS 1 HR, THE T RATING IS 3/4 HR. WHEN THE HOURLY RATING OF THE WALL ASSEMBLY IS 2 HR, THE T RATING IS 3/4 HR WHEN ITEM 3A IS USED. OTHERWISE THE T RATING IS 1 HR.

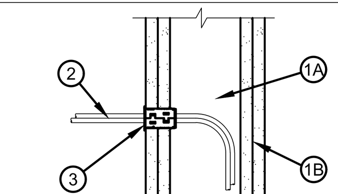
* BEARING THE UL CLASSIFICATION MARK

15 RATED THRU-WALL PEN. - EZ PATH

NO SCALE

System No. W-L-3378

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings – 1 and 2 Hr (See Item 1)	F Ratings – 1 and 2 Hr (See Item 1)
T Ratings – 1 and 2 Hr (See Item 1)	FT Ratings – 1 and 2 Hr (See Item 1)
L Rating At Ambient – Less Than 1 CFM/Device	FH Ratings – 1 and 2 Hr (See Item 1)
L Ratings At 400°F – Less Than 1 CFM/Device	FTH Ratings – 1 and 2 Hr (See Item 1)
	L Rating At Ambient – Less Than 1 CFM/Device
	L Ratings At 400° F – Less Than 1 CFM/Device



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – 5/8 IN. (16 MM) THICK, 4 FT (1.2 M) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY.
   THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. CABLE – ONE OR MORE CABLES TO BE INSTALLED THROUGH 1 IN. (25 MM) DIAM HOLE DRILLED THROUGH THE GYPSUM ON ONE SIDE OF THE WALL. ANY COMBINATION OF THE FOLLOWING TYPES OF CABLES MAY BE USED:
   A. MAX 25 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR TELECOMMUNICATION CABLE WITH POLYVINYL CHLORIDE (PVC) OR PLENUM-RATED JACKETING AND INSULATION.
   B. MAX 3/C NO. 8 AWG NM CABLE (ROMEX) WITH PVC INSULATION AND JACKET.
   C. MAX FOUR PAIR NO. 22 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH PVC OR PLENUM RATED JACKETING AND INSULATION.
   D. COAXIAL CABLE WITH FLUORINATED ETHYLENE OR PVC INSULATION AND JACKETING HAVING A MAX DIAM OF 1/2 IN. (13 MM).
   E. OPTICAL FIBER CABLE WITH PVC OR POLYETHYLENE (PE) JACKET AND INSULATION AND HAVING A MAX DIAM OF 1/2 IN. (13 MM).
3. FIRESTOP DEVICE* – DEVICE CONSISTING OF PLASTIC GROMMET HALVES WITH FOAM INSERTS. PLASTIC GROMMET DEVICE SHALL BE INSTALLED AROUND CABLE AT IT'S EGRESS FROM THE GYPSUM BOARD WALL AND INSERTED IN WALL OPENING IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS.

SPECIFIED TECHNOLOGIES INC – READY FIRESTOP GROMMET RFG2

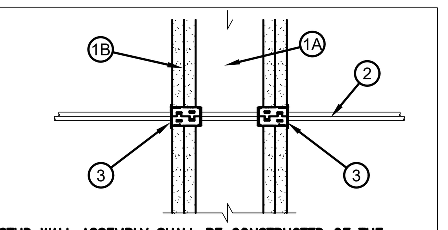
* BEARING THE UL CLASSIFICATION MARK

9 RATED WALL PENETRATION - MULTI WIRE

NO SCALE

System No. W-L-3379

F RATINGS – 1 AND 2 HR (SEE ITEM 1)
T RATINGS – 1 AND 2 HR (SEE ITEM 1)
L RATING AT AMBIENT – LESS THAN 1 CFM/DEVICE
L RATING AT 400°F – LESS THAN 1 CFM/DEVICE



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – 5/8 IN. (16 MM) THICK, 4 FT (1.2 M) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY.
   THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. CABLES – ONE OR MORE CABLES TO BE INSTALLED THROUGH 1 IN. (25 MM) DIAM HOLES DRILLED THROUGH THE GYPSUM BOARD ON BOTH SIDES OF WALL. ANY COMBINATION OF THE FOLLOWING TYPES OF CABLES MAY BE USED:
   A. MAX 25 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR TELECOMMUNICATION CABLE WITH POLYVINYL CHLORIDE (PVC) OR PLENUM-RATED JACKETING AND INSULATION.
   B. MAX 3/C NO. 8 AWG NM CABLE (ROMEX) WITH PVC INSULATION AND JACKET.
   C. MAX FOUR PAIR NO. 22 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH PVC OR PLENUM RATED JACKETING AND INSULATION.
   D. COAXIAL CABLE WITH FLUORINATED ETHYLENE OR PVC INSULATION AND JACKETING HAVING A MAX DIAM OF 1/2 IN. (13 MM).
   E. OPTICAL FIBER CABLE WITH PVC OR POLYETHYLENE (PE) JACKET AND INSULATION AND HAVING A MAX DIAM OF 1/2 IN. (13 MM).
3. FIRESTOP DEVICE* – DEVICE CONSISTING OF PLASTIC GROMMET HALVES WITH FOAM INSERTS. PLASTIC GROMMET DEVICE SHALL BE INSTALLED AROUND CABLE AT IT'S EGRESS FROM THE GYPSUM BOARD WALL AND INSERTED IN WALL OPENING IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS.

SPECIFIED TECHNOLOGIES INC – READY FIRESTOP GROMMET RFG2

* BEARING THE UL CLASSIFICATION MARK

10 RATED THRU-WALL PEN. - MULTI WIRE

NO SCALE

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

REGISTERED PROFESSIONAL ENGINEER — GORDON PAK KEI WONG — No. E 018416 — ELECTRICAL — STATE OF CALIFORNIA — 09/16/2024

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95317
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

EDGE ELECTRICAL CONSULTING
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAi No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS

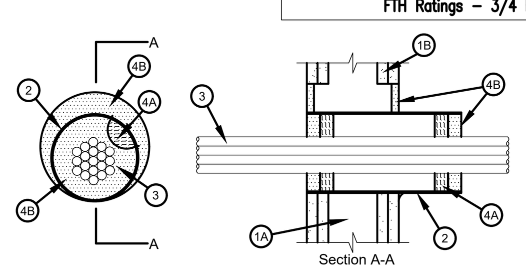
Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	T6.01
Designed By: JOHNNY	Issue Date: 07/13/2023	
Drawn By: JOHNNY	Revit Version: 2023	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY

System No. W-L-3210

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings – 1 and 2 Hr (See Item 1)	F Ratings – 1 and 2 Hr (See Item 1)
T Ratings – 3/4 Hr	FT Ratings – 3/4 Hr
	FH Ratings – 1 and 2 Hr (See Item 1)
	FTH Ratings – 3/4 Hr



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300, V300, U400, V400 OR W400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 4 IN. THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. STEEL SLEEVE – (OPTIONAL) – NOM. 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT), STEEL CONDUIT, SCHEDULE 5 (OR HEAVIER) STEEL PIPE SLEEVE OR MIN. 0.016 IN. THICK (0.41 mm, NO. 28 GA) GALV STEEL SLEEVE INSTALLED FLUSH WITH WALL SURFACES. THE ANNULAR SPACE BETWEEN THE STEEL SLEEVE AND PERIPHERY OF OPENING SHALL BE MIN. 0 IN. (0 mm, CONTINUOUS POINT CONTACT) TO MAX. 2 IN. (51 MM). WHEN SCHEDULE 5 STEEL PIPE OR EMT IS USED, SLEEVE MAY BE INSTALLED FLUSH WOTH OR EXTEND UP TO 18 IN. (46 CM) BEYOND ONE OR BOTH WALL SURFACES. STEEL SLEEVE MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES FROM PERPENDICULAR. SCHEDULE 5 STEEL PIPE OR EMT SLEEVES MAY EXTEND CONTINUOUSLY BEYOND ONE WALL SURFACE. SLEEVE TO BE RIGIDLY SUPPORTED WHEN EXTENDING FROM THE WALL SURFACES.
3. CABLES – AGGREGATE CROSS-SECTIONAL AREA OF CABLES IN STEEL SLEEVE TO BE MAX. 48 PERCENT OF THE AGGREGATE CROSS-SECTIONAL AREA OF THE SLEEVE. CABLES TO BE BUNDLED AND RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE ANNULAR SPACE BETWEEN THE CABLES AND THE SLEEVE SHALL BE MIN. 0 IN. (0 MM, POINT CONTACT) TO MAX. 1-1/2 IN. (38 MM). CABLE BUNDLE, USING CABLES DESCRIBED BELOW, MAY PENETRATE THE WALL AT AN ANGLE NOT GREATER THAN 45 DEGREES. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF COPPER CONDUCTOR CABLE MAY BE USED:
   A. MAX 200 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR CABLE WITH POLYVINYL CHLORIDE (PVC) JACKETING AND INSULATION.
   B. MAX 3/C NO. 2/0 AWG (OR SMALLER) ALUMINUM OR COPPER CONDUCTOR SERVICE ENTRANCE CABLE WITH PVC INSULATION AND JACKET.
   C. MAX 3/C NO. 8 AWG (OR SMALLER) NONMETALLIC SHEATHED (ROMEX) CABLE WITH COPPER CONDUCTORS, PVC INSULATION AND JACKET.
   D. MAX 7/C NO. 2/0 AWG (OR SMALLER) MULTICONDUCTOR POWER AND CONTROL CABLES WITH XLPE OR PVC INSULATION AND XLPE OR PVC JACKET.
   E. MAX RG/U (OR SMALLER) COAXIAL CABLE WITH FLUORINATED ETHYLENE INSULATION AND JACKETING.
   F. MAX 62.5/48 FIBER OPTIC CABLE WITH PVC INSULATION AND JACKETING.
   G. MAX 4 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH PVC INSULATION AND JACKET.
   H. MAX 4/C NO. 2/0 ALUMINUM OR COPPER CONDUCTOR ALUMINUM OR STEEL METAL-CLAD# OR ARMORED-CLAD# CABLE.
4. FIRESTOP SYSTEM – THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
   A. PACKING MATERIAL – WHEN REQUIRED (SEE TABLE IN ITEM 3B), MIN 1 IN. (25 MM) THICKNESS OF MIN. 4.0 pcf (64 kg/m3) MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO EACH END OF SLEEVE AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM EACH END OF SLEEVE AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
   B. FILL, VOID OR CAVITY MATERIAL* – SEALANT OR PUTTY – FILL MATERIAL APPLIED TO APPROPRIATE THICKNESS WITHIN STEEL SLEEVE, FLUSH WITH EDGES OF STEEL SLEEVE ON BOTH SURFACES OF WALL. MIN. 1/2 IN. (13 MM) THICKNESS OF FILL MATERIAL INSTALLED INTO ANNULAR SPACE BETWEEN SLEEVE AND WALL FLUSH WITH BOTH SURFACES OF THE WALL. MIN. 1/2 IN. DIAM BEAD OF SEALANT OR "ROPE" OF PUTTY SHALL BE APPLIED AROUND THE PERIMETER OF THE SLEEVE ON EACH SIDE OF THE WALL WHEN SLEEVE EXTENDS BEYOND SURFACE OF WALL AND IS INSTALLED AT CONTINUOUS POINT CONTACT. SEE TABLE BELOW FOR FILL MATERIAL THICKNESS REQUIREMENTS AROUND CABLES:

Sealant or Putty Type	Thickness, In. (mm)	Packing Material Required
SpecSeal Series SSS Sealant or LCI Sealant	1/2 in. (13)	Yes
SpecSeal Series SSS Sealant or LCI Sealant	1 in. (25)	No
SpecSeal Putty	1 in. (25)	No

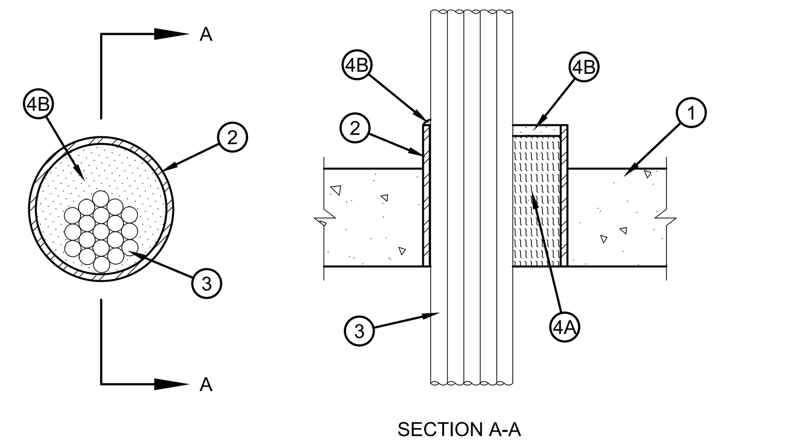
SPECIFIED TECHNOLOGIES INC – SPECSEAL SERIES SSS SEALANT, SPECSEAL LCI SEALANT OR SPECSEAL PUTTY

* BEARING THE UL CLASSIFICATION MARK

28 RATED THRU-WALL PEN. - CONDUIT
NO SCALE

System No. C-AJ-3154

F RATINGS – 2, 3 AND 4 HR
T RATINGS – 0, 1/2 AND 2-3/4 HR



1. FLOOR ASSEMBLY – MIN. 2-1/2 IN. THICK CONCRETE FLOOR ASSEMBLY. MAX. DIAM. OF OPENING IS 6 IN.
2. STEEL SLEEVE – MAX. 6 IN. DIAM. STEEL SLEEVE CAST OR GROUTED INTO FLOOR ASSEMBLY. SLEEVE MAY EXTEND A MAX. OF 12 IN. ABOVE SURFACE OF THE FLOOR.
3. CABLES – AGGREGATE CROSS-SECTIONAL OF CABLES IN SLEEVE TO BE MAX. 45 PERCENT OF THE CROSS-SECTIONAL AREA OF THE SLEEVE. REFER TO C-AJ-3154 FOR CABLE TYPES AND SIZES. ANNULAR SPACE IS MIN. 1/4 IN. TO MAX. 2 IN.
4. FIRESTOP SYSTEM – THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING. (NOT SHOWN) – MAX. 4/C NO. 2/0 AWG (OR SMALLER) STEEL OR ALUMINUM ARMORED CABLE+ OR METAL CLAD CABLE+ WITH COPPER OR ALUMINUM CONDUCTORS. DIAM. OF CABLE BUNDLE (ITEM 3) INCLUDING ARMORED CABLE NOT TO EXCEED 4 IN. THROUGH PENETRATING PRODUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF A FLOOR OR WALL ASSEMBLY.
   A. PACKING MATERIAL – MIN. 4 PCF MINERAL WOOL BATT INSULATION TIGHTLY PACKED INTO ANNULAR SPACE TO MIN. 2 IN. THICKNESS, RECESSED FROM TOP EDGE TO THE SLEEVE TO ACCOMMODATE SEALANT (ITEM 4B). MINERAL WOOL THICKNESS INCREASED BY AN AMOUNT EQUAL TO THE DISTANCE THE SLEEVE EXTENDS ABOVE TOP SURFACE OF THE CONCRETE FLOOR.
   B. SPECSEAL SERIES SSS SEALANT – MIN. 1/2 IN. THICKNESS OF SEALANT INSTALLED OVER PACKING MATERIAL, FLUSH WITH THE TOP EDGE OF THE SLEEVE. ADDITIONAL SEALANT FORCED INTO INTERSTITIAL SPACE WITHIN CABLE BUNDLE TO MAX. EXTENT POSSIBLE.

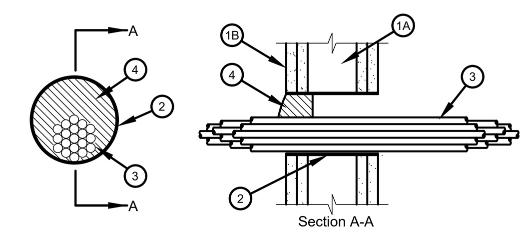
   NOTE: THE PRODUCTS USED IN THIS DESIGN HAVE BEEN TESTED AS FOLLOWS:
   ASTM E814/UL1479: REFER TO SYSTEM C-AJ-3154
   ASTM E119: TIME/TEMPERATURE EXPOSURE, COTTON WASTE IGNITION
   ANNULAR SPACE REQUIREMENTS
   THIS DESIGN REPRESENTS AN ENGINEERING RECOMMENDATION
   NS032003FH, STI TECHNICAL SERVICE SPECIALIST FALLON TULLIO 2/01/2010

   NOTE: C-AJ-3154 HAS BEEN MODIFIED TO ACCOMMODATE F & T REQUIREMENTS VIA THIS ENGINEERING JUDGEMENT.

18 CLOSET "T" RATING CONDUIT PLUG
NO SCALE

System No. W-L-3272

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings – 1 and 2 Hr (See Item 1)	F Ratings – 1 and 2 Hr (See Item 1)
T Ratings – 0 Hr	FT Ratings – 0 Hr
	FH Ratings – 1 and 2 Hr (See Item 1)
	FTH Ratings – 0 Hr



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400, V400 OR W400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (64 MM) WIDE, FABRICATED FROM MIN. 25 MSG GALVANIZED STEEL, SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – NOM. 5/8 IN. (16 MM) THICK WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, NUMBER OF LAYERS AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARITION DESIGN. MAX DIA. OF OPENING IS 5-1/2 IN. (140 MM).
   THE HOURLY F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. STEEL SLEEVE – NOM. 2 OR 4 IN. (51 OR 102 MM) DIA. SCHEDULE 5 (OR HEAVIER) STEEL PIPE SLEEVE. SLEEVE TO BE FLUSH WITH WALL SURFACES OR MAY EXTEND UP TO 12 IN. (305 MM) BEYOND EITHER OR BOTH WALL SURFACES. THE ANNULAR SPACE BETWEEN THE STEEL SLEEVE AND THE PERIPHERY OF OPENING SHALL BE MIN 0 IN. (CONTINUOUS POINT CONTACT) TO MAX. 1 IN. (25 MM). WHERE SLEEVE EXTENDS MORE THAN 2 IN. (51 MM) BEYOND WALL SURFACE IT SHALL BE RIGIDLY SUPPORTED.
3. CABLES – AGGREGATE CROSS-SECTIONAL AREA OF BUNDLED CABLES IN OPENING TO BE MAX. 50 PERCENT OF THE CROSS-SECTIONAL AREA OF THE OPENING. THE ANNULAR SPACE BETWEEN THE CABLE BUNDLE AND THE PERIPHERY OF THE OPEING OR SLEEVE TO BE MIN. 0 IN. (POINT CONTACT) TO MAX. 1 IN. CABLES TO BE TIGHTLY BUNDLED AND RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF CALBES MAY BE USED:
   A. MAX 300 PAIR NO. 24 AWG TELEPHONE CABLE WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET.
   B. MAX 750 KCMIL SINGLE COPPER CONNECTOR POWER CABLE WITH THERMOPLASTIC INSULATION AND PVC JACKET.
   C. MAX 7/C NO. 12 AWG MULTICONDUCTOR POWER AND CONTROL CABLE WITH PVC OR CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND PVC JACKET.
   D. MULTIPLE FIBER OPTICAL COMMUNICATION CABLE JACKETED WITH PVC AND HAVING A MAX OUTSIDE DIA. OF 1/2 IN. (13 MM).
   E. MAX 3/C NO. 12 AWG WITH BARE ALUMINUM GROUND, PVC INSULATED STEEL METAL-CLAD CABLE.
   F. MAX 1 IN. (25 MM) DIA. METAL CLAD TEK CABLE WITH PVC JACKET.
4. FIRESTOP SYSTEM – THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
   A. FILL, VOID OR CAVITY MATERIAL* – PLUG – NOM. 2, 2.5 OR 4 IN. (51, 64 OR 102 MM) PLUG SIZED FOR THE STEEL SLEEVE FRICTION-FITTED WITHIN THE SLEEVE SUCH THAT THE OUTER CIRCUMFERENCE OF THE DOME-SHAPED PLUG IS FLUSH WITH EITHER END OF SLEEVE. PLUG CUT TO FIT AROUND THE CABLE BUNDLE AND INSTALLED TIGHTLY WITHIN THE SLEEVE.
   HILTI CONSTURCTION CHEMICALS, DIV OF HILTI INC – CP 658T FIRESTOP PLUG 2.5 OR 4 IN. OR CFS-PL FIRESTOP PLUG 2 OR 4 IN.
   B. FILL, VOID OR CAVITY MATERIAL* – SEALANT – (NOT SHOWN) – MIN. 5/8 IN. (16 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS BETWEEN SLEEVE AND PERIPHERY OF OPENING, FLUSH WITH EACH SIDE OF WALL. AT POINT CONTACT LOCATION, A MIN. 1/2 IN. (13 MM) BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE SLEEVE/WALL INTERFACE WHEN SLEEVE EXTENDS BEYOND SURFACE OF WALL.
   HILTI CONSTURCTION CHEMICALS, DIV OF HILTI INC – FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT

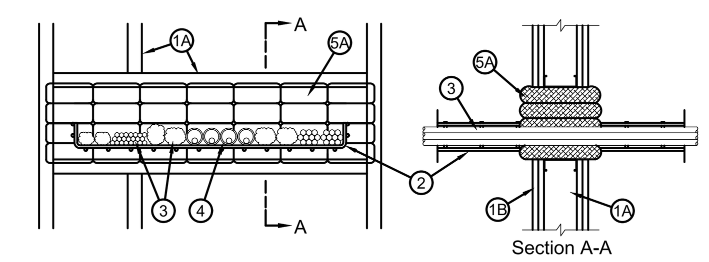
Hilti Firestop Systems

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR cUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR cUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

13 RATED THRU-WALL PEN. - CONDUIT
NO SCALE

System No. W-L-4043

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings – 1 and 2 Hr (See Item 1)	F Ratings – 1 and 2 Hr (See Item 1)
T Ratings – 3/4, 1 and 2 Hr (See Items 3 & 4)	FT Ratings – 3/4, 1 and 2 Hr (See Item 3 & 4)
	FH Ratings – 1 and 2 Hr (See Item 1)
	FTH Ratings – 3/4, 1 and 2 Hr (See Item 3 & 4)



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U400, V400 OR W400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED 24 IN. (406 MM) OC. ADDITIONAL HORIZONTAL STUDS INSTALLED TO FORM A BOX AROUND THE CABLE TRAY (ITEM 2).
   B. GYPSUM BOARD* – THICKNESS, TYPE, NUMBER OF LAYERS, ORIENTATION AND FASTENERS SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX AREA OF OPENING SHALL BE 234 SQ IN. (1510 CM2) WITH A MAX DIMENSION OF 29-1/4 IN. (743 MM).
   THE HOURLY F RATING OF THE FIRESTOP SYSTEM ARE DEPENDENT UPON THE HOURLY RATING OF THE WALL IN WHICH IT IS INSTALLED.
2. CABLE TRAY – NOM 24 IN. (610 MM) WIDE BY 2 IN. (51 MM) HIGH (OR SMALLER) WELDED WIRE BASKET CABLE TRAY FORMED FROM MIN 0.21 IN. (0.52 MM) THICK (5 AWG) STEEL AND HAVING A MAX 2 BY 4 IN. (51 BY 102 MM) GRID SPACING. THE ANNULAR SPACE BETWEEN THE CABLE TRAY AND THE PERIPHERY OF THE OPENING SHALL BE MIN 1 IN. (25 MM) TO MAX 5 IN. (127 MM). CABLE TRAY TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
3. CABLES – MAX 2 IN. (51 MM) DEEP CABLE LOADING WITHIN CABLE TRAY CONSISTING OF THE FOLLOWING TYPES AND SIZES OF CABLES:
   A. MAX 4 PAIR NO. 24 AWG COPPER CONDUCTOR CABLES WITH POLYVINYL CHLORIDE (PVC) JACKET AND INSULATION.
   B. MAX RG/U COPPER CONDUCTOR COAXIAL CABLE WITH FLUORINATED ETHYLENE JACKET AND INSULATION.
   C. ANY MAX 4/C NO. 10 AWG ALUMINUM OR COPPER CONDUCTOR METAL-CLAD CABLE+ OR ARMORED CABLE+ WITH STEEL OR ALUMINUM JACKET CURRENTLY CLASSIFIED UNDER THE THROUGH PENETRATING PRODUCTS CATEGORY. SEE THROUGH-PENETRATING PRODUCTS (XHLY) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS. WHEN ITEM 3A IS USED, THE T RATING IS 1 HR. WHEN ITEM 3B OR 3C IS USED, THE T RATING IS 3/4 HR.
4. OPTICAL FIBER RACEWAY+ – ONE OR MORE MAX 2 IN. (51 MM) DIAM (OR SMALLER) OPTICAL FIBER RACEWAYS (INNERDUCT) FORMED FROM POLYVINYL CHLORIDE (PVC) OR POLYVINYLIDENE FLUORIDE (PVDF) WITH FIBER OPTIC CABLE FILL. RACEWAYS INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA NO. 70). RACEWAYS MAY BE USED IN ADDITION TO THE CABLE TYPES LISTED IN ITEM 3.
   SEE OPTICAL FIBER RACEWAY (QAZM) CATEGORY IN THE ELECTRICAL CONSTRUCTION EQUIPMENT DIRECTORY FOR NAMES OF MANUFACTURERS. WHEN ONLY ITEM 4 IS USED, THE T RATING IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
5. FIRESTOP SYSTEM – THE FIRESTOP SYSTEM CONSISTS OF THE FOLLOWING ITEMS:
   A. FILL, VOID OR CAVITY MATERIAL* – PILLOWS – MAX 9 IN. (229 MM) LONG BY 3 IN. (76 MM) THICK BY 6 IN. (152 MM) WIDE PLASTIC JACKETED INTUMESCENT PILLOWS TIGHTLY-PACKED LENGTHWISE THROUGH OPENING SUCH THAT ENDS PROJECT AN EQUAL DISTANCE FROM THE APPROXIMATE CENTERLINE OF THE WALL ASSEMBLY.

   SPECIFIED TECHNOLOGIES INC. – SPECSEAL FIRESTOP PILLOWS

   B. FILL, VOID OR CAVITY MATERIAL* – PUTTY (NOT SHOWN) – MIN 1/2 IN. (13 MM) THICKNESS OF PUTTY APPLIED TO FILL ANY SMALL GAPS OR VOIDS BETWEEN CABLES OR BETWEEN THE CABLES AND THE PILLOWS ON BOTH SIDES OF THE WALL ASSEMBLY.

   SPECIFIED TECHNOLOGIES INC. – SPECSEAL PUTTY

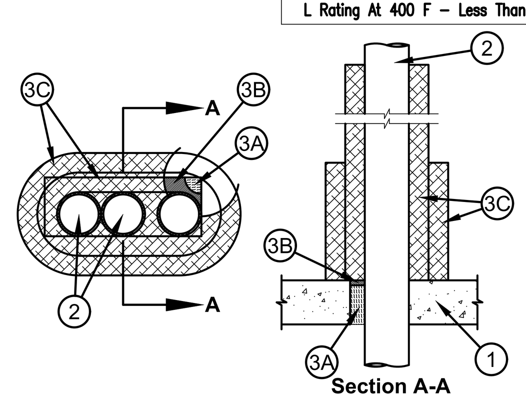
* BEARING THE UL CLASSIFICATION MARK

+ BEARING THE UL LISTING MARK

8 RATED THRU-WALL PEN. - CABLE TRAY
NO SCALE

System No. W-L-3210

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings – 2 and 3 Hr (See Item 1)	F Ratings – 2 and 3 Hr (See Item 1)
T Ratings – 2 and 3 Hr (See Item 1)	FT Ratings – 2 and 3 Hr (See Item 1)
L Rating At Ambient – Less Than 1 CFM/sq ft	FH Ratings – 2 and 3 Hr (See Item 1)
L Rating At 400 F – Less Than 1 CFM/sq ft	FTH Ratings – 2 and 3 Hr (See Item 1)
W Rating – Class 1 (See Item 3B)	L Rating At Ambient – Less Than 1 CFM/sq ft
	L Rating At 400 F – Less Than 1 CFM/sq ft



1. FLOOR ASSEMBLY – MIN. 4-1/2 IN. (114 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 pcf OR 1600-2400 kg/m3) CONCRETE. AS AN ALTERNATE, ANY MIN. 2 HR FIRED RATED D700, D800 OR D900 SERIES FLOOR-CEILING DESIGN IN THE UL FIRE RESISTANCE DIRECTORY HAVING A MIN. 2-1/2 IN. (64 MM) THICKNESS OF LIGHTWEIGHT OR NORMAL WEIGHT (100-150 pcf OR 1600-2400 kg/m3) CONCRETE TOPPING OVER STEEL DECK MAY BE USED. FLOOR MAY ALSO BE CONSTRUCTED OF ANY MIN. 6 IN. (152 MM) THICK HOLLOW CORE UL CLASSIFIED PRECAST CONCRETE UNITS*. MAX AREA OF OPENING IS 96 SQ. IN. WITH A MAX DIM. OF 16 IN. MAX. DIAM. OF OPENING IN FLOOR CONSTRUCTED OF HOLLOW-CORE PRECAST CONCRETE UNITS IS 7 IN. (178 MM).
   SEE PRECAST CONCRETE UNITS (CFTV) CATEGORY IN FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
   THE F AND T RATINGS ARE 2 HR WHEN THE MIN. THICKNESS OF THE CONCRETE FLOOR IS LESS THAN 4-1/2 IN. (114 MM).
2. THROUGH-PENETRANT – ONE OR MORE METALLIC PIPES, CONDUITS OR TUBING INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN OPENING. PIPES, CONDUITS, OR TUBING SPACED MIN. 0 IN. (0 MM, POINT CONTACT) TO MAX. 1-1/2 IN. (38 MM) APART. ANNULAR SPACE BETWEEN PENETRANT AND PERIPHERY OF OPENING SHALL BE MIN. OF 0 IN. (0 MM, POINT CONTACT) TO MAX. 2 IN. (51 MM). PENETRANT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF PENETRANTS MAY BE USED:
   A. STEEL PIPE – NOM 4 IN. (102 MM) DIAM. (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE – NOM 4 IN. (102 MM) DIAM. (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   C. CONDUIT – NOM 4 IN. (102 MM) DIAM. (OR SMALLER) STEEL CONDUIT OR STEEL ELECTRICAL METALLIC TUBING (EMT) OR NOM 1 IN. (25 MM) DIAM. (OR SMALLER) FLEXIBLE STEEL CONDUIT.
3. FIRESTOP SYSTEM – THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
   A. PACKING MATERIAL – MIN. 4.0 pcf (64 kg/m3) MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO EXTEND THROUGH ENTIRE THICKNESS OF CONCRETE FLOOR EXCEPT FOR RECESS AT TOP SURFACE OF FLOOR TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
   B. FILL, VOID OR CAVITY MATERIAL* – SEALANT OR PUTTY – MIN. 1/2 IN. (13 MM) THICKNESS OF CAULK OR PUTTY APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR. AT POINT CONTACT, APPLY MIN. 1/4 IN. (6 MM) BEAD AT PENTRANT/CONCRETE INTERFACE ON TOP SURFACE OF FLOOR.
   SPECIFIED TECHNOLOGIES INC – SPECSEAL 100, 101, 102, 120 OR 129 SEALANT, SPECSEAL LCI SEALANT, SPECSEAL PUTTY, PENSIL 300 SEALANT OR SPECSEAL SERIES SIL300 SEALANT FOR FLOORS OR WALLS AND PENSIL 300 SL SEALANT OR SPECSEAL SERIES SIL300SL SEALANT FOR FLOORS ONLY.
   W RATING APPLIES ONLY WHEN PENSIL 300, SPECSEAL SERIES SIL300, PENSIL 300 SL OR SPECSEAL SERIES SIL300SL SEALANTS ARE USED WITH SOLID PENETRANT (NOT FLEXIBLE STEEL CONDUIT).
   C. DUCT WRAP MATERIAL* – MIN. 1-1/2 IN. (38 MM) THICK DUCT WRAP TIGHTLY WRAPPED AROUND PENETRANTS TO EXTEND 36 IN. (914 MM) ABOVE FLOOR. AN ADDITIONAL LAYER OF MIN. 1-1/2 IN. (38 MM) THICK DUCT WRAP TIGHTLY WRAPPED AROUND THE FIRST LAYER OF DUCT WRAP TO EXTEND 12 IN. (305 MM) ABOVE FLOOR. THE SPACES BETWEEN PENETRANTS AT THE TOP OF THE DUCT WRAP IS TO BE TIGHTLY-PACKED WITH A NOMINAL 2 IN. (51 MM) DEPTH OF DUCT WRAP MATERIAL. ALL LONGITUDINAL SEAMS OF BOTH LAYERS OF DUCT WRAP ARE SEALED WITH FOIL TAPE.

   THERMAL CERAMICS INC – FIREMASTER FASTWRAP+, FIREMASTER FASTWRAP XL, OR PYROSCAT DUCT WRAP XL.

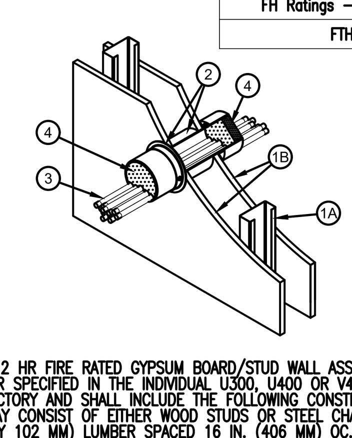
* BEARING THE UL CLASSIFICATION MARK

30 RATED THRU-WALL PEN. - CONDUIT
NO SCALE

REGISTERED PROFESSIONAL ENGINEER
GORDON PAK KEI WONG
No. E 018416
ELECTRICAL
STATE OF CALIFORNIA
06/14/2024

System No. W-L-3275

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings – 1 and 2 Hr (See Item 1)	F Ratings – 1 and 2 Hr (See Item 1)
T Ratings – 0 Hr	FT Ratings – 0 Hr
	FH Ratings – 1 and 2 Hr (See Item 1)
	FTH Ratings – 0 Hr



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – 5/8 IN. (16 MM) THICK, 4 FT (1.2 M) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 4 IN. THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. FIRESTOP DEVICE* – STEEL SLEEVE DEVICE CENTERED WITHIN OPENING AND INSTALLED IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS. STEEL SLEEVE DEVICE SECURED IN PLACE BY MEANS OF STEEL ESCUTCHEON PLATES INSTALLED WITH GASKETING MATERAIL SUPPLIED WITH PRODUCT. STEEL ESCUTCHEON PLATES INSTALLED ON BOTH SIDES OF WALL AND SECURED TO DEVICE BY MEANS OF STEEL SCREWS PROVIDED WITH DEVICE. STEEL SLEEVE DEVICE PROVIDED IN NOM 1, 2 AND 4 IN. SIZES. THE MIN. AND MAX. OPENING SIZES FOR EACH SLEEVE DEVICE ARE SHOWN IN THE TABLE BELOW:

Device Size	Min Opening Size	Max Opening Size
1 in. (25 mm)	1.12 in. (28 mm)	1.25 in. (32 mm)
2 in. (51mm)	2.38 in. (60 mm)	2.50 in. (64 mm)
4 in. (102 mm)	4.50 in. (114 mm)	4.50 in. (114 mm)

SPECIFIED TECHNOLOGIES INC – FS100, FS200, FS201, FS400 AND FS401 SPECSEAL READY-SLEEVES

3. CABLES – AGGREGATE CROSS-SECTIONAL AREA OF CABLES IN STEEL SLEEVE TO BE MAX. 48 PERCENT OF THE AGGREGATE CROSS-SECTIONAL AREA OF THE SLEEVE. CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF COPPER CONDUCTOR CABLE MAY BE USED:
   A. MAX 200 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR CABLE WITH POLYVINYL CHLORIDE (PVC) JACKETING AND INSULATION.
   B. MAX 3/C NO. 2/0 AWG (OR SMALLER) ALUMINUM OR COPPER CONDUCTOR SERVICE ENTRANCE CABLE WITH PVC INSULATION AND JACKET.
   C. MAX 3/C NO. 8 AWG (OR SMALLER) NONMETALLIC SHEATHED (ROMEX) CABLE WITH COPPER CONDUCTORS, PVC INSULATION AND JACKET.
   D. MAX 7/C NO. 2/0 AWG (OR SMALLER) MULTICONDUCTOR POWER AND CONTROL CABLES WITH XLPE OR PVC INSULATION AND XLPE OR PVC JACKET.
   E. MAX RG/U (OR SMALLER) COAXIAL CABLE WITH FLUORINATED ETHYLENE INSULATION AND JACKETING.
   F. MAX 62.5/48 FIBER OPTIC CABLE WITH PVC INSULATION AND JACKETING.
   G. MAX 4 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH PVC INSULATION AND JACKET.
   H. MAX 4/C NO. 2/0 ALUMINUM OR COPPER CONDUCTOR ALUMINUM OR STEEL METAL-CLAD# OR ARMORED-CLAD# CABLE.
4. FILL, VOID OR CAVITY MATERIAL* – PUTTY – FILL MATERIAL SUPPLIED WITH FIRESTOP DEVICE (ITEM 2) APPLIED TO 1 IN. (25 MM) THICKNESS FLUSH WITH EACH END OF STEEL SLEEVE DEVICE. AT POINT CONTACT LOCATION, MIN 3/8 IN. (9 MM) DIAM BEAD OF FILL MATERIAL APPLIED AT GROUPED CABLE/STEEL SLEEVE INTERFACE ON EACH SIDE OF WALL.

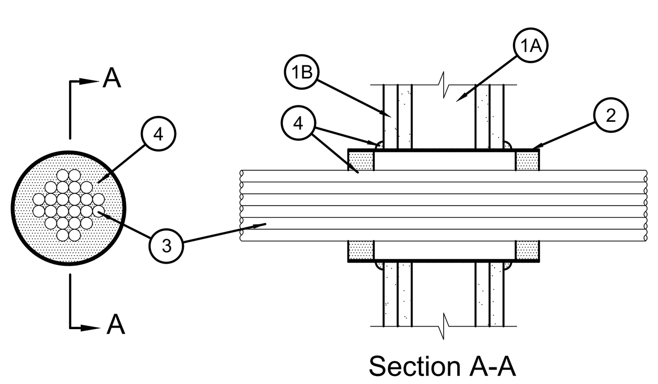
SPECIFIED TECHNOLOGIES INC – SPECSEAL PUTTY

* BEARING THE UL CLASSIFICATION MARK

20 RATED THRU-WALL PEN. - READY SLEEVE
NO SCALE

System No. W-L-3132

F RATINGS – 1 AND 2 HR (SEE ITEM 1)
T RATINGS – 0 HR



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – 5/8 IN. (16 MM) THICK, 4 FT (1.2 M) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 4 IN. THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. STEEL SLEEVE – NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT) OR SCHEDULE 5 (OR HEAVIER) STEEL PIPE FRICTION-FIT INTO WALL ASSEMBLY. SLEEVE INSTALLED SUCH THAT THE ENDS PROJECT 1-1/2 TO 2 IN. BEYOND EACH SIDE OF THE WALL.
3. CABLES – AGGREGATE CROSS-SECTIONAL AREA OF CABLES IN SLEEVE TO BE MAX 48 PERCENT OF THE CROSS-SECTIONAL AREA OF THE SLEEVE. TIGHT BUNDLE OF CABLES TO BE CENTERED WITHIN THE STEEL SLEEVE. THE ANNULAR SPACE WITHIN THE FIRESTOP SYSTEM SHALL BE A NOM 1/2 IN. CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF CABLES MAY BE USED:
   A. MAX 200 PAIR NO. AWG (OR SMALLER) COPPER CONDUCTOR CABLE WITH POLYVINYL CHLORIDE (PVC) JACKETING AND INSULATION.
   B. MAX 3/C NO. 2/0 AWG (OR SMALLER) ALUMINUM OR COPPER CONDUCTOR SERVICE ENTRANCE CABLE WITH PVC INSULATION AND JACKET.
   C. MAX 3/C NO. 8 AWG (OR SMALLER) NONMETALLIC SHEATHED (ROMEX) CABLE WITH COPPER CONDUCTORS, PVC INSULATION AND JACKET.
   D. MAX 7/C NO. 2/0 AWG (OR SMALLER) MULTICONDUCTOR POWER AND CONTROL CABLES WITH XLPE OR PVC INSULATION AND XLPE OR PVC JACKET.
   E. MAX RG59/U (OR SMALLER) COAXIAL CABLE WITH FLUORINATED ETHYLENE INSULATION AND JACKETING.
   F. MAX 62.5/48 FIBER OPTIC CABLE WITH PVC INSULATION AND JACKETING.
   G. MAX 4 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH HYLAR INSULATION AND JACKET.
4. FILL, VOID OR CAVITY MATERIAL* – PUTTY – MIN 1 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH ENDS OF SLEEVE. A NOM 1/4 IN. DIAM CONTINUOUS "ROPE" OF PUTTY SHALL BE APPLIED AROUND THE CIRCUMFERENCE OF THE STEEL SLEEVE AT ITS EGRESS FROM BOTH SIDES OF THE WALL.

   SPECIFIED TECHNOLOGIES INC – SPECSEAL PUTTY

5. FILL, VOID OR CAVITY MATERIAL* – SEALENT – AS AN OPTION TO THE "ROPE" OF PUTTY, A MIN 1/4 IN. DIAM BEAD OF SEALANT MAY APPLIED AT THE GYPSUM WALLBOARD/STEEL SLEEVE INTERFACE ON BOTH SIDES OF THE WALL.

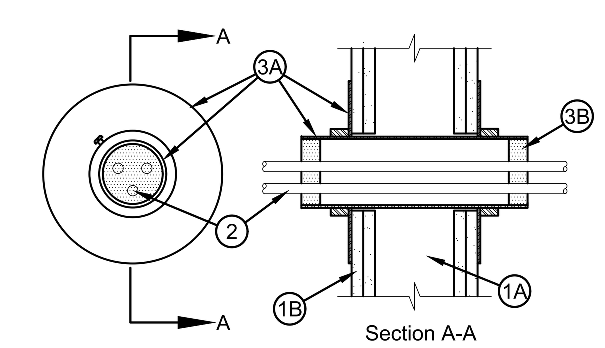
   SPECIFIED TECHNOLOGIES INC – SPECSEAL SERIES 100 OR SERIES LC SEALANT

* BEARING THE UL CLASSIFICATION MARK

15 RATED THRU-WALL PEN. - READY PATH
NO SCALE

System No. W-L-3137

F RATINGS – 1 AND 2 HR (SEE ITEM 1)
T RATINGS – 0 HR



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – 5/8 IN. (16 MM) THICK, 4 FT (1.2 M) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 4 IN. THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. CABLES – AGGREGATE CROSS-SECTIONAL AREA OF CABLES IN SLEEVE TO BE MIN 8 PERCENT TO MAX. 48 PERCENT OF THE AGGREGATE CROSS-SECTIONAL AREA OF THE SMOOTH SLEEVE. CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF CABLES MAY BE USED:
   A. MAX 200 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR CABLE WITH POLYVINYL CHLORIDE (PVC) JACKETING AND INSULATION.
   B. MAX 1/C, 750 KCMIL POWER CABLE WITH COPPER CONDUCTORS AND CROSS-LINKED POLYETHYLENE (XLPE) JACKETING.
   C. MAX 3/C NO. 2/0 AWG (OR SMALLER) ALUMINUM OR COPPER CONDUCTOR SERVICE ENTRANCE CABLE WITH PVC INSULATION AND JACKET.
   D. MAX 3/C NO. 8 AWG (OR SMALLER) NONMETALLIC SHEATHED (ROMEX) CABLE WITH COPPER CONDUCTORS, PVC INSULATION AND JACKET.
   E. MAX 7/C NO. 2/0 AWG (OR SMALLER) MULTICONDUCTOR POWER AND CONTROL CABLES WITH XLPE OR PVC INSULATION AND XLPE OR PVC JACKET.
   F. MAX RG59/U (OR SMALLER) COAXIAL CABLE WITH FLUORINATED ETHYLENE INSULATION AND JACKETING.
   G. MAX 62.5/48 FIBER OPTIC CABLE WITH PVC INSULATION AND JACKETING.
   H. MAX 4 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR CATEGORY 5 WITH HYLAR INSULATION AND JACKET.
3. FIRESTOP SYSTEM – THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
   A. FIRESTOP DEVICE* – SMOOTH STEEL SLEEVE DEVICE INCORPORATING FLAT WASHERS SECURED BY SLIDING COMPRESSION COUPLERS. DEVICE SHALL BE INSTALLED AROUND CABLES IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS. DEVICE PROVIDED IN NOM 1, 2 AND 4 IN. SIZES. MAX DIAM OF OPENING IN WALL FOR 1, 2 AND 4 IN. SIZE DEVICES ARE 1-1/4, 2-7/16 AND 4-1/2 IN. RESPECTIVELY.

   UNIQUE FIRE STOP PRODUCTS INC – SMOOTH SLEEVE

   B. FILL, VOID OR CAVITY MATERIAL* – SEALANT OR PUTTY – MIN 1 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE SMOOTH SLEEVE, FLUSH WITH BOTH ENDS.

   SPECIFIED TECHNOLOGIES INC – SPECSEAL SERIES SSS SEALANT OR SPECSEAL LCI SEALANT

* BEARING THE UL CLASSIFICATION MARK

10 RATED THRU-WALL PEN. - SMOOTH SLEEVE
NO SCALE

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA, 95317
(916)734-7024

HY ARCHITECTS PROJECT #: 5938

HIBSER YAMAUCHI Architects, Inc.
4602 2nd Street, Suite 3
Davis, CA 95618
530.758.1270 tel | 530.758.4789 fax

CONSULTANTS:

EDGE ELECTRICAL CONSULTING
Project Number K018
Contact GORDON
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date

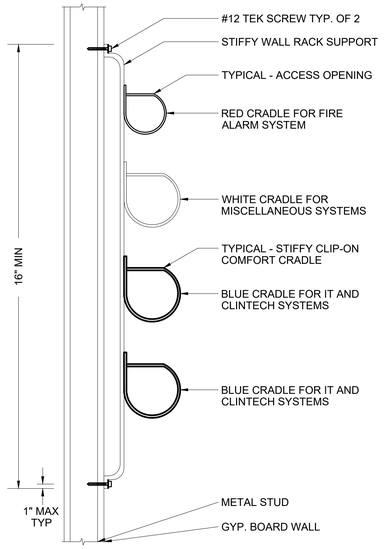
100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAi No.: S241013-34-00
Bldg. No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	T6.02
Designed By: JOHNNY	Issue Date: 06/12/2024	
Drawn By: JOHNNY	Revit Version: 2023	

GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

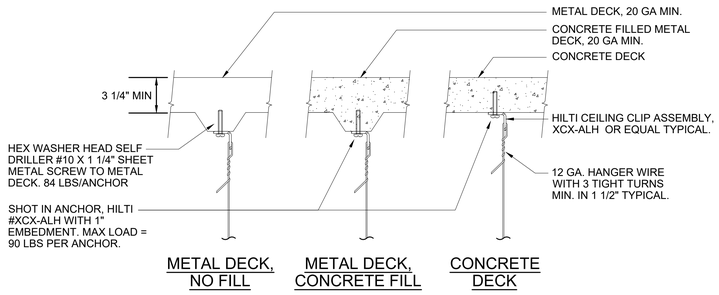
IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY



NOTES:
1. CRADLE FILL CAPACITY:
   2" CRADLE: UP TO 50 EA. CAT6A.
   4" CRADLE: UP TO 74 EA. CAT6A. 2
2. MAXIMUM SUPPORT SPACING: 4 FEET ON CENTER
3. MAXIMUM LOAD FOR WALL RACK: 80 LBS
4. PROVIDE A MINIMUM WORKING CLEARANCE OF 18" ON THE CABLE PLACEMENT SIDE OF THE CABLE SUPPORTS
5. PROVIDE A MINIMUM CLEARANCE OF 12" AND MAXIMUM CLEARANCE OF 36" FROM THE CEILING GRID TO STIFFY CABLE. 2

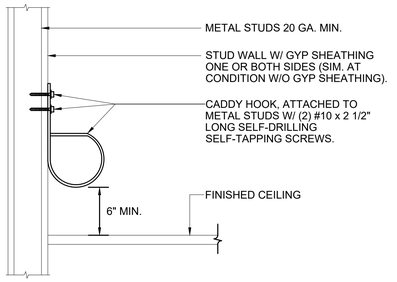
28 WALL RACK STIFFY COMFORT CRADLE SUPPORT DETAIL

NO SCALE



22 HANGER WIRE TO STRUCTURAL CEILING DETAIL

NO SCALE



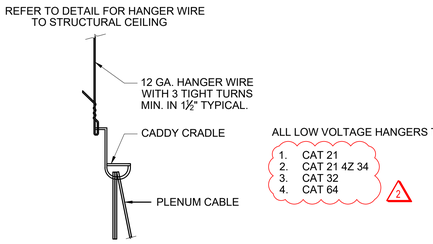
ALL LOW VOLTAGE HANGERS TO BE CADDY:
1. CAT 21
2. CAT 21 4Z 34
3. CAT 32
4. CAT 64

2

NOTES:
1. MAXIMUM TOTAL LOAD PER STIFFY IS 20LBS, MAXIMUM TOTAL UNIFORM LOAD IS 5LBS PER LINEAL FOOT.
2. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
3. STIFFY SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.
4. CONTRACTOR TO DETERMINE EXACT QUANTITY AND SIZE OF LOOPS REQUIRED.

23 STIFFY SUPPORT WALL MOUNTED - SINGLE

NO SCALE

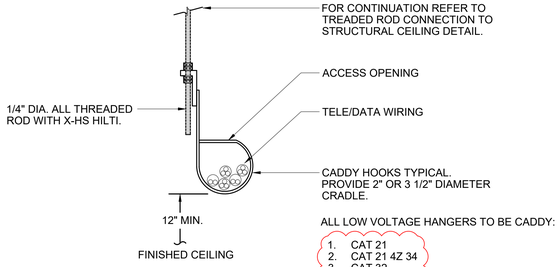


ALL LOW VOLTAGE HANGERS TO BE CADDY:
1. CAT 21
2. CAT 21 4Z 34
3. CAT 32
4. CAT 64

2

12 STIFFY WITH WIRE SUPPORT DETAIL

NO SCALE



ALL LOW VOLTAGE HANGERS TO BE CADDY:
1. CAT 21
2. CAT 21 4Z 34
3. CAT 32
4. CAT 64

2

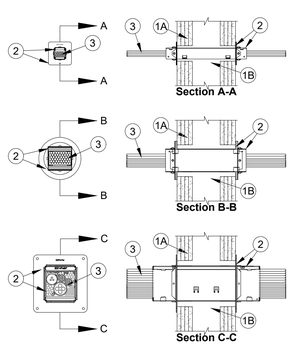
NOTES:
1. MAXIMUM TOTAL LOAD PER STIFFY IS 20LBS, MAXIMUM TOTAL UNIFORM LOAD IS 5LBS PER LINEAL FOOT.
2. MAXIMUM TOTAL PER HANGER IS 40LBS.
3. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
4. STIFFY SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.
5. PROVIDE A MINIMUM WORKING CLEARANCE OF 18" ON THE CABLE PLACEMENT SIDE OF THE CABLE SUPPORT.

13 J-HOOK SUPPORT DETAIL - SINGLE (STIFFY COMFORT CRADLE)

NO SCALE

System No. W-L-3377

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1, 2, 3 and 4 Hr (See Item 1)	F Ratings - 1, 2, 3 and 4 Hr (See Item 1)
T Rating - 0, 1/2, 3/4, 1, 1-1/2 and 2 Hr (See Item 3)	FT Rating - 0, 1/2, 3/4, 1, 1-1/2 and 2 Hr (See Item 3)
L Rating At Ambient - Less than 1 to 7 CFM/Device Module (See Item 2)	FH Ratings - 1, 2, 3 and 4 Hr (See Item 1)
L Rating at 400 F - Less than 1 to 3 CFM/Device Module (See Item 2)	FTH Rating -0, 1/2, 3/4, 1, 1-1/2 and 2 Hr (See Item 3)
	L Rating At Ambient - Less than 1 to 7 CFM/Device Module (See Item 2)
	L Rating at 400 F - Less than 1 to 3 CFM/Device Module (See Item 2)



Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876
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Created or Revised: January 23, 2014
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30 EZ PATH SLEEVE - SYSTEM NO. W-L-3377

NO SCALE

1. **Wall Assembly -** The 1, 2, 3 or 4 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described within the individual U300, U400, V400 or W400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
   A. **Studs -** Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. **Gypsum Board* -** Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. See Table for opening sizes.

   The hourly F and FH Ratings are dependent upon the hourly rating of the wall in which it is installed.
2. **Firestop Device* -** Series 22 EZ Path device modules consist of a 1.4 by 1.4 by 10-1/2 in. (36 by 36 by 267 mm) long galv steel tube with an intumescent material lining. Series 33 EZ Path device modules consist of a 3 by 3 by 10-1/2 in. (76 by 76 by 267 mm) long galv steel tube with an intumescent material lining. Series 44+ EZ Path device modules consist of a 4 by 4-5/8 by 14 in. (102 by 118 by 356 mm) long galv steel tube with an intumescent material lining. Firestop device modules to be installed in accordance with the accompanying installation instructions. Firestop device modules secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of steel screws provided with device. Firestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly. The annular space between the device and opening shall be min 0 in. (point contact) to max 1/8 in. (3 mm) for Series 22 device, max 1/2 in. (13 mm) for Series 33 device and max 1/4 in. (6 mm) for Series 44 device. The opening size and L Ratings for each device vary according to whether device module is blank (no cables) or loaded (with cables) and which cable type and size is used, as tabulated below:

SPECIFIED TECHNOLOGIES INC - EZ PATH Series 22, 33 or 44+ Fire Rated Pathway

2A. **Firestop Device* - Extension Module -** (Optional, Not Shown) - Module attached to ends of Series 33, Series 44 or Series 44+ firestop device (Item 2) to increase its length to facilitate installation in thicker walls. Each module consists of a galv steel tube with an intumescent material lining. Extension module to be installed in accordance with the accompanying installation instructions. When module is used, firestop device (Item 2) and extension module(s) secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device or extension module(s) by means of steel set screws provided with wall plates. Firestop device and extension module(s) assembly to be installed with ends projecting an equal distance beyond each surface of the wall assembly.

SPECIFIED TECHNOLOGIES INC - EZ PATH Series 33 or Series 44+ Extension

3. **Cables -** Cables may represent a 0 to 100 percent visual fill within the loading area for the firestop device module. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:
   A. Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
   B. Max 750 kcmil single copper conductor power cable with XLPE jacket and insulation
   C. Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
   D. Max 3/C No. 2/0 AWG metal clad or armored cable with steel or aluminum jacket.
   E. Max 3/C No. 8 AWG NM cable (Romex) with PVC insulation and jacket.
   F. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.
   G. Coaxial cable with fluorinated ethylene or PVC insulation and jacketing having a max diam of 5/8 in. (16 mm).
   H. Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 5/8 in. (16 mm).
   I. Max RG6/U coaxial cable with fluorinated ethylene, polyethylene (PE), PVC or plenum rated jacketing and insulation.

   When Series 22 EZ Path device modules are used and when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 3/4 hr except that for Items 3F, 3G and 3H, the T, FT and FTH Ratings are 1 hr. When the hourly fire rating of the wall assembly is 2 hr or greater, the T, FT and FTH Ratings are 3/4 hr when cables are installed. When no cables are installed within the device module, the T, FT and FTH Ratings are 1 hr in 1 hr walls and 1-1/2 hr for 2, 3 and 4 hr walls. When Item 3A, 3B, 3C, 3D or 3E is used, the maximum F and FH Ratings are 2 hr. When max 200 pair No. 24 AWG telecommunication cable and/or 350 kcmil power cable is used or when Item 3F, 3G or 3H is used, the maximum F and FH Ratings are 4 hr.

   When Series 33 EZ Path device modules are used and when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 3/4 hr. When the hourly fire rating of the wall assembly is greater than 1 hr, the T, FT and FTH Ratings are 3/4 hr when Item 3A, 3B, 3C, 3D or 3E is used. Otherwise the T, FT and FTH Ratings are 1 hr. When Item 3A, 3B, 3C, 3D or 3E is used, the maximum F and FH Ratings are 2 hr. When max 200 pair No. 24 AWG telecommunication cable is used or when Item 3F, 3G or 3H is used, the maximum F and FH Ratings are 4 hr.

   When Series 44 + EZ Path device modules are used and when Item 3A, 3B, 3C, 3D or 3E is used, the max F and FH Ratings are 3 hr and the T, FT and FTH Ratings are 1 hr. When Item 3F or 3G is used, the max F and FH Ratings are 4 hr and the T, FT and FTH Ratings are 1-1/2 hr. When Item 3H is used, the max F and FH Ratings are 4 hr and the T, FT and FTH Ratings are 2 hr. When device empty, the T, FT and FTH Ratings are 1-1/2 Hr.

   +Bearing the UL Listing Mark

   * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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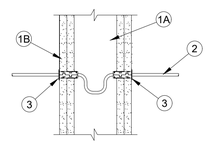
10 EZ PATH FIRESTOP GROMMET

NO SCALE

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115

System No. W-L-3370

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
T Ratings - 1 and 2 Hr (See Item 1)	FT Ratings - 1 and 2 Hr (See Item 1)
L Rating At Ambient - Less Than 1 CFM/device	FT Ratings - 1 and 2 Hr (See Item 1)
L Rating At 400 F - Less Than 1 CFM/device	FTH Ratings - 1 and 2 Hr (See Item 1)
	L Rating At Ambient - Less Than 1 L/s/device
	L Rating At 204 C - Less Than 1 L/s/device



1. Wall Assembly - The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* - 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Designs in the UL Fire Resistance Directory.

   The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Cable - One max 4 pair No. 22 AWG (or smaller) copper conductor data cable with plenum-rated or PVC insulation and jacket or two max 2/C No. 18 AWG (or smaller) stranded copper conductor cables with plenum-rated or PVC insulation and jacket. Cable(s) to be installed through 9/16 in. (14 mm) diam holes drilled through the gypsum board on both sides of wall.
3. Firestop Device* - Device consisting of plastic grommet halves with foam inserts. Plastic grommet device shall be installed around cable at it's egress from the gypsum board on each side of wall and inserted in wall opening in accordance with the accompanying installation instructions.

   SPECIFIED TECHNOLOGIES INC - EZ Firestop Grommet RFG1

   * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

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DESIGN PROFESSIONALS OF RECORD:

09/16/2024

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CONSULTANTS:

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Sacramento | Alameda | Irvine

THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024

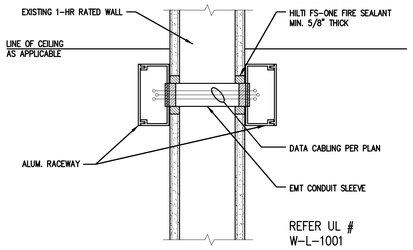
100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	T6.03
Designed By: JOHNNY	Issue Date: 07/13/2023	
Drawn By: JOHNNY	Revit Version: 2023	

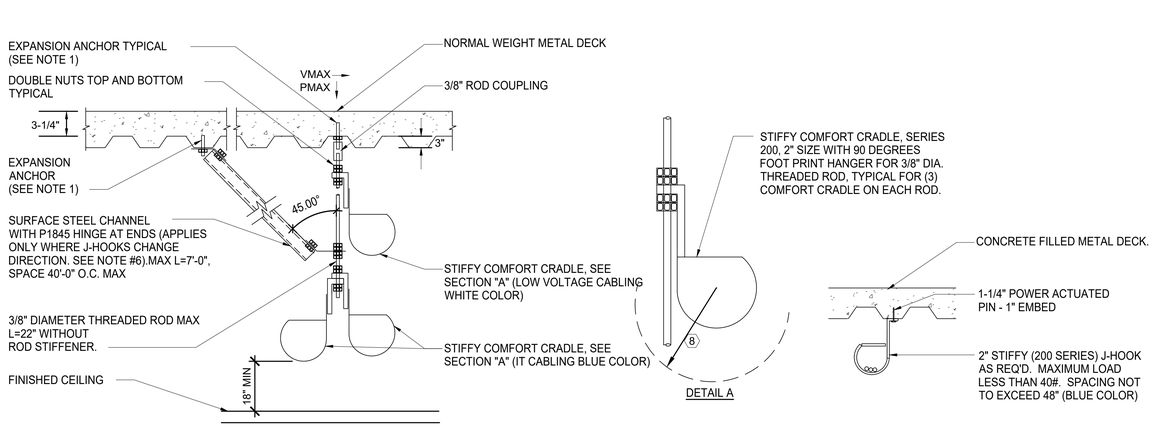
GRAPHIC SCALES: 1/16" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0"

IF THIS SHEET IS NOT 30"x42" , IT IS A REDUCED PRINT SCALE ACCORDINGLY



27 SURFACE RACEWAY THRU PENETRATION

NO SCALE



SINGLE STIFFY

NOTES:

1 3/8" DIAMETER HILTI-KB TZ2 WITH 2" EMBED INTO LOW FLUTE. MAINTAIN 6" SPACING BETWEEN ADJACENT ANCHORS (ESR-4266) AND ONE ANCHOR ALLOWED PER LOW FLUTE PER DECK SPAN. TORQUE TEST 50 PERCENT OF ANCHORS AT 30 FT-LBS, WAIT 24 HOURS AFTER INSTALLATION BEFORE TESTING. TEST PER HCAI CAN 2-1916A.8.

PMAX ALLOWED = 200 POUNDS.
VMAX ALLOWED = 500 POUNDS.

2 PROVIDE SEPARATE CABLE MANAGEMENT SYSTEM FOR EACH INDIVIDUAL LOW VOLTAGE SYSTEM. EACH SYSTEM TO BE INDEPENDENTLY BUNDELED.

3 SIZE RINGS AND HOOKS TO ACCOMMODATE NUMBER OF CABLES AT SPECIFIC LOCATIONS IN PATHWAY; 3-1/2" MINIMUM. LEAVE 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.

4 WHEN PASSING UNDER OR OVER DUCTWORK, TRANSITION TO HORIZONTAL SUPPORT ARRANGEMENT, MAINTAINING PROPER CABLE SPACING.

5 LOW VOLTAGE CABLE ROUTING SHALL BE ROUTED AS HIGH AS POSSIBLE, TIGHT TO THE UNDERSIDE OF STRUCTURE.

6 BRACE REQUIRED ONLY WHEN ROD BENDS DUE TO CABLE TENSION. INSTALL BRACE IN OPPOSITE DIRECTION OF PULL (AT CORNERS OR TURNS ONLY).

7 PROVIDE SPACING SUCH THAT MAXIMUM WEIGHT APPLIED TO ANCHOR IS LESS THAN 50 POUNDS BUT 48" OC MAX.

8 MAINTAIN A MINIMUM 18" RADIUS CLEAR OF ANY OBSTRUCTIONS FOR ALL HOOKS.

9 PROVIDE BRIDLE RINGS OR HOOKS ATTACHED DIRECTLY TO STRUCTURE IN AREA WITH LOW CEILING HEIGHT.

10 INDEPENDENTLY SUPPORT BRIDLE RINGS AND HOOKS FROM BUILDING STRUCTURE SUCH AS THE UNDER SIDE OF THE ROOF OR TRUSSING. DO NOT SUPPORT FROM CEILING FRAMING. ANY RODS, RINGS, OR HOOKS SUPPORTED FROM CEILING FRAMING, PIPING DUCTWORK, ETC., SHALL BE REMOVED AND RE-SUPPORTED AT EXPENSE OF THE CONTRACTOR.

11 AT CONDITIONS WHERE J-HOOKS ARE ALREADY INSTALLED IN HIGH FLUTE, THE LOADS AS SHOWN ABOVE ALSO APPLY.

12 AT CONDITIONS WHERE H-HOOKS ARE ALREADY INSTALLED IN LOW FLUTES, LIMIT PMAX AND VMAX TO 50 POUNDS EACH.

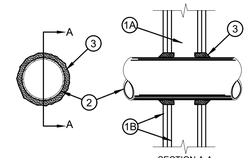
30 STIFFY SUPPORT DETAIL

NO SCALE

2

System No. W-L-1001

F RATINGS – 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3)
T RATINGS – 0, 1, 2, 3 AND 4 HR (SEE ITEM 1)
L RATING AT AMBIENT – LESS THAN 1 CFM/SQ. FT.
L RATING AT 400°F – LESS THAN 1 CFM/SQ. FT.



SECTION A-A

WALL ASSEMBLY – THE 1, 2, 3 OR 4 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

1. A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD* – NOM 5/8 IN. (16 MM) THICK, 4 FT (1.2 M) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 4 IN. THE HOURLY F AND T RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

THROUGH PENETRANT – ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (0 MM) (POINT CONTACT) TO MAX 2 IN. (51 MM). PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED

2. ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   A. STEEL PIPE – NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE – NOM 24 IN. (610 MM) DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. (305 MM) DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
   C. CONDUIT – NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
   D. COPPER TUBING – NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   E. COPPER PIPE – NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
   F. THROUGH PENETRATING PRODUCT* – FLEXIBLE METAL PIPING – THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:
      1. NOM 2 IN. (51 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. OMEGA FLEX INC.
      2. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. TITEFLEX CORP. A BUNDY CO.
      3. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. WARD MFG INC.

FILL, VOID OR CAVITY MATERIAL* – CAULK OR SEALANT – MIN 5/8 1-1/4 1-7/8 AND 2-1/2 IN. (16, 32, 48 AND 64 MM) THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. (6 MM) DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL.

3. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE:
   THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE:

MAX PIPE OR CONDUIT DIAM IN. (MM)	F RATING HR	T RATING HR
1 (25)	1 OR 2	0+,1 OR 2
1 (25)	3 OR 4	3 OR 4
4 (102)	1 OR 2	0
6 (152)	3 OR 4	0
10 (305)	1 OR 2	0

3M COMPANY – CP 25WB+ CAULK OR FB-3000 WT SEALANT

+WHEN COPPER PIPE IS USED, T RATING IS 0 HR.

* BEARING THE UL CLASSIFICATION MARK

1 RATED THRU-WALL PEN. - CONDUIT

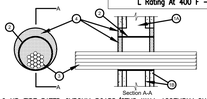
NO SCALE

8 RATED THRU-WALL PEN. - PIPE/CONDUIT

NO SCALE

System No. W-L-3065

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings – 1 and 2 Hr (See Item 1)	F Ratings – 1 and 2 Hr (See Item 1)
T Rating – 0 and 3/4 Hr (See Item 3)	FT Ratings – 0 and 3/4 Hr (See Item 3)
L Rating At Ambient – 15 CFM/sq ft	FH Ratings – 1 and 2 Hr (See Item 1)
L Rating At 400 F – 8 CFM/sq ft	FTH Ratings – 0 and 3/4 Hr (See Item 3)
	L Rating At Ambient – 15 CFM/sq ft
	L Rating At 400 F – 8 CFM/sq ft



1. WALL ASSEMBLY – THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS – WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
   B. GYPSUM BOARD – NOM. 5/8 IN. (16 MM) THICK GYPSUM BOARD, WITH SQUARE OR TAPERED EDGES. THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 2 1/2 IN. (38 MM) WHEN SLEEVE (ITEM 2) IS EMPLOYED. MAX. DIAM. OF OPENING IS 4 IN. (102 MM) WHEN SLEEVE (ITEM 2) IS NOT EMPLOYED.
   THE F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY.
2. METALLIC SLEEVE – (OPTIONAL) – NOM. 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT) OR SCHEDULE 5 (OR HEAVIER) STEEL PIPE OR MIN. 0.016 IN. THICK (0.41 mm, NO. 28 GA) GALV STEEL SLEEVE INSTALLED FLUSH WITH WALL SURFACES. THE ANNULAR SPACE BETWEEN THE STEEL SLEEVE AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. (0 mm, POINT CONTACT) TO MAX 1 IN. (25 MM). WHEN SCHEDULE 5 STEEL PIPE OR EMT IS USED, SLEEVE MAY EXTEND UP TO 15 IN. (457 MM) BEYOND WALL SURFACES. AS AN OPTION WHEN SCHEDULE 5 STEEL PIPE OR EMT IS USED, SLEEVE MAY EXTEND CONTINUOUSLY BEYOND ONE WALL SURFACE. WHEN CABLE BUNDLE PENETRATES WALL ASSEMBLY AT AN ANGLE OF 45 DEGREES, NO METALLIC SLEEVE IS USED.
3. CABLES – AGGREGATE CROSS-SECTIONAL AREA OF CABLE IN OPENING TO BE MAX. 45 PERCENT OF THE CROSS-SECTIONAL AREA OF THE OPENING. THE ANNULAR SPACE BETWEEN THE CABLE BUNDLE AND THE PERIPHERY OF THE OPENING SHALL BE MIN. 0 IN. (0 MM, POINT CONTACT) TO MAX. 1 IN. (25 MM). WHEN SLEEVE IS CONTINUOUS ON ONE SIDE OF WALL (SEE ITEM 2), THE CABLE FILL MAY BE 0 TO 45% AND THE MAX. ANNULAR SPACE IS NOT LIMITED. CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY. CABLE BUNDLE, USING CABLES DESCRIBED BELOW, MAY PENETRATE THE WALL AT AN ANGLE NOT GREATER THAN 45 DEGREES. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF COPPER CONDUCTOR CABLES MAY BE USED:
   A. MAX 7/C NO. 12 AWG WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET.
   B. MAX 25 PAIR NO. 24 AWG TELEPHONE CABLE WITH PVC INSULATION AND JACKET.
   B1.MAX 4 PR NO. 22 AWG CAT 5 OR CAT 6 COMPUTER CABLES.
   C. TYPE RG/U COAXIAL CABLE WITH POLYETHYLENE (PE) INSULATION AND PVC JACKET HAVING A MAX OUTSIDE DIAM. OF 1/2 IN. (13 MM).
   C1.MAX RG 6/U COAXIAL CABLE WITH FLOURINATED ETHYLENE INSULATION AND JACKETING.
   D. MULTIPLE FIBER OPTICAL COMMUNICATION CABLE JACKETED WITH PVC AND HAVING A MAX. OD OF 5/8 IN. (16 MM).
   E. THROUGH PENETRATING PRODUCTS* – MAX. THREE COPPER CONDUCTOR NO. 8 AWG METAL-CLAD CABLE+, AFC CABLE SYSTEMS, INC.
   F. MAX 3/C (WITH GROUND)(OR SMALLER) NO. 8 AWG COPPER CONDUCTOR CABLE WITH PVC INSULATION AND JACKETING.
   G. MAX 3/4 IN. (19 MM) DIAM, COPPER GROUND CABLE WITH OR WITHOUT PVC JACKET.
   H. FIRE RESISTIVE CABLES+ – MAX. 1-1/4 IN. (32 MM) DIAM. SINGLE CONDUCTOR OR MULTI CONDUCTOR TYPE MI CABLE. A MIN. 1/8 IN. (3 MM) SEPARATION SHALL BE MAINTAINED BETWEEN MI CABLES AND ANY OTHER TYPES OF CABLE.
   I. MAX 4/C WITH GROUND 300 KCMIL (OR SMALLER) ALUMINUM SER CABLE WITH PVC INSULATION AND JACKET.
   J. THROUGH PENETRATING PRODUCT* – ANY CABLES, METAL-CLAD CABLE+ OR ARMORED CABLE+ CURRENTLY CLASSIFIED UNDER THE THROUGH PENETRATING PRODUCTS CATEGORY.
   K. MAX 3/C NO. 8 AWG METAL-CLAD CABLE.
   L. MAX 5/8 DIAM. FIBER-OPTIC CABLE WITH PVC JACKET.

FOR CABLE BUNDLE PENETRATING THE WALL ASSEMBLY AT AN ANGLE OF 45 DEGREES, THE T RATING IS 3/4 HR FOR A 2 HR WALL ASSEMBLY. SEE THROUGH PENETRATING PRODUCT (XHEY) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

4. FILL, VOID OR CAVITY MATERIAL* – SEALANT OR PUTTY – FILL MATERIAL APPLIED WITHIN THEN ANNULUS, FLUSH WITH EACH END OF THE STEEL SLEEVE OR WALL SURFACE. FILL MATERIAL INSTALLED SYMMETRICALLY ON BOTH SIDES OF THE WALL. A MIN. 5/8 IN. (16 MM) THICKNESS OF SEALANT IS REQUIRED FOR THE 1 OR 2 HR F RATING. AN ADDITIONAL 1/2 IN. (13 MM) DIAM. BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE INTERFACE OF SLEEVE WITH GYPSUM BOARD.
   HILTI CONSTRUCTION CHEMICALS: DIV OF HILTI INC – CP601S, CP606, FS-ONE SEALANTS OR CP618 PUTTY.
5. PACKING MATERIAL – (OPTIONAL, NOT SHOWN) – MINERAL WOOL FORMING MATERIAL MAY BE USED AS A BACKER FOR THE FILL MATERIAL (ITEM 4). WHEN USED, IT SHALL BE FIRMLY PACKED INTO ANNULAR SPACE WITHIN THE SLEEVE AS A PERMANENT FORM AND RECESSED FROM END OF SLEEVE TO ACCOMMODATED THE REQUIRED THICKNESS OF FILL MATERIAL.

* BEARING THE UL CLASSIFICATION MARK
+ BEARING THE UL LISTING MARK

Hilti Firestop Systems

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
2/10/2025, 8:15:10 AM
S241013-34-00
Ray Sanchez

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

CALIFORNIA LICENSED PROFESSIONAL ENGINEER No. E 018416 ELECTRICAL STATE OF CALIFORNIA
09/16/2024

DESIGN PROFESSIONALS OF RECORD:

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FACILITIES DESIGN & CONSTRUCTION
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THIS ISSUE:	ISSUED FOR	Date
1	HCAI BACKCHECK 1	9/16/2024
2	OWNER REVISIONS	9/16/2024

100% CONSTRUCTION DUCUMENTS

Account No.: 9558910
HCAI No.: S241013-34-00
Bldg No.: BLD-01445 - DAVIS TOWER - BLDG 12
Floor/Wing: DAVIS TOWER BASEMENT
Project: DAVIS TOWER #0711 & 0762 PHARMACY REMODEL
Sheet Title: DETAILS

Arch.\Engr. Approver	FD&C Job No. JOB NO.	SHEET NO.
UCDMC Project Mgr. Checker	Scale: As indicated	T6.04
Designed By: JOHNNY	Issue Date: 07/13/2023	
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