UC DAVIS HEALTH

Addendum 1
Project No. 9557460, UCD Medical Campus Operating Rooms Modernization
Bid Packages 5.1, 7, 10, 17

This addendum to the RFP documents consists of page AD-1-1 thru AD1-3 and attachments. The following changes, additions, or deletions shall be made to the listed documents as indicated, and all other conditions shall remain the same.

RFI RESPONSES

1. Question (General): At the teams meeting it was mentioned that there could be a possibility that work could be paused during a normal shift? If this were to occur who will be responsible for the time/production lost that day?

   Response: In the event this occurs, it will be addressed on a case-by-case basis. Bidder shall bid to the schedule durations provided.

2. Question (BP 5.1, Demo & Abatement): Will we have a lay down area for bins, or do we need to base our pricing on removing waste from the site every day? If there is one can you provide a map of where this will be located?

   Response: The project does have a small laydown area. See attached *Site Logistics Plan*. Refer to the *General Scope of Work and Project Specific Conditions* that begins on page 10 of the Bid Package 5.1. Section E, Site Logistics, item 12 Clean Up provides information on the removal of waste. As noted, Swinerton will provide dump carts and Swinerton will be responsible for conveying the bins to/from the debris and recycling containers with the exception of hazmat as indicated. Also, the *Scope of Work and Project Specific Conditions Demolition & Lead Abatement* (starting on page 22), the following items 4 and 5 have been striked out on page 25:

   ~~4. Provide covered carts for transporting debris from the demolition site to the dumpsters.~~

   ~~5. Include additional mobilizations to demolish temporary barriers upon completion of each phase.~~

3. Question (General): Can you provide photos of a typical OR room and the other areas of work?

   Response: Pictures are not available with ORs in use.

4. Question (BP-5, Demo & Abatement): Who will be responsible to provide temporary walls per each phase?

   Response: The General Contractor will be responsible for the temporary partitions, both install and removal.

5. Question (General): Could you please provide the teams meeting slides.

Response: See attached plans shown during the pre-bid meeting. We are also attaching an enhanced version of the Site Logistics plan, because the original version included in the Box folder had some words cut off.

6. Question (BP-7, DFH): The permit 3 set of plans is extremely unclear as to the scope of the DFH work. The bid package skips over the permit 3 scope of work but notes it directly in alternate 3. It is unclear if this is all the information that is being provided to price up this alternate or not. If so, can we get an identification as to the size of doors and the hardware sets that are intended for use here?

   Response: Permit 3 is to be priced as an add alternate and is not in base budget scope at this point. Utilize the following assumption for pricing the add alternate:

Opening	Size	Dr Matl	Fr Mat	Rating	Card Read	HDW Set
3P200CX	6070	WD	HM	60	CR	Custom
3P200CY	3070	WD	HM	60	CR	04
3P219Y	3070	WD	HM	60	CR	04
3P219B	3070	WD	HM	60		02
3P230BZ	3070	WD	HM		CR	04
3P230BX	3070	WD	HM		CR	04
3P230BY	3070	WD	HM		CR	04
3P219A	3070	WD	HM	60		02

HARDWARE SET NO. 02

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	HOSPITAL LATCH	HL6 2 3/4" A	630	SCH
1	EA	SURFACE CLOSER	4040XP DEL RW/PA	689	LCN
2	EA	ARMOR PLATE	8400 34" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CCV	626	IVE
1	EA	GASKETING	188SBK PSA	BK	ZER
1	EA	DOOR BOTTOM	350AA	AA	ZER

HARDWARE SET NO. 04

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 TW8	652	IVE
1	EA	EU STOREROOM LOCK	ND80TDEU RHO RX 12/24 VDC	626	SCH
1	EA	PERMANENT CORE	23-030 (EF KEYWAY)	626	SCH
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	ARMOR PLATE	8402 34" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CCV	626	IVE
1	EA	GASKETING	188SBK PSA	BK	ZER
		CARD READER	BY WORK OF DIVISION 28		
		POWER SUPPLY	BY WORK OF DIVISION 28		

7. Question (General): The bond requirements note that bids over $200,000 will require a bid bond. Bid package 7.0, for example, calls out as a value of $95K. Is this bond price requirement based on the base bid value or of the bid with the alternates?

   Response: The Bid Bond refers to the lump sum base bid only. If lump sum base bid before adding any alternates is under $200,000, a bid bond is not required.

8. Question (BP-7, DFH): What is the lead requirement for the lead lined stainless windows and lead lined door 3P735X? It doesn't appear that the frame is to hold any lead lining, only lead glass, please confirm. Additionally what mechanism is to hold the glass in place as detail is unclear?

   Response: Please refer to revised door schedule A-1601 for door & window properties. Also see A-1602 for head, jamb and sill details. See physicist report for additional information on lead requirements.

9. Question (BP-7, DFH): 3P735Y does not call out to be a lead lined door, but it appears as if it should be. Please verify.

   Response: Per the Physicist Report provided to the design team, this door is not required to be lead lined and therefore was not noted as such in the drawings.

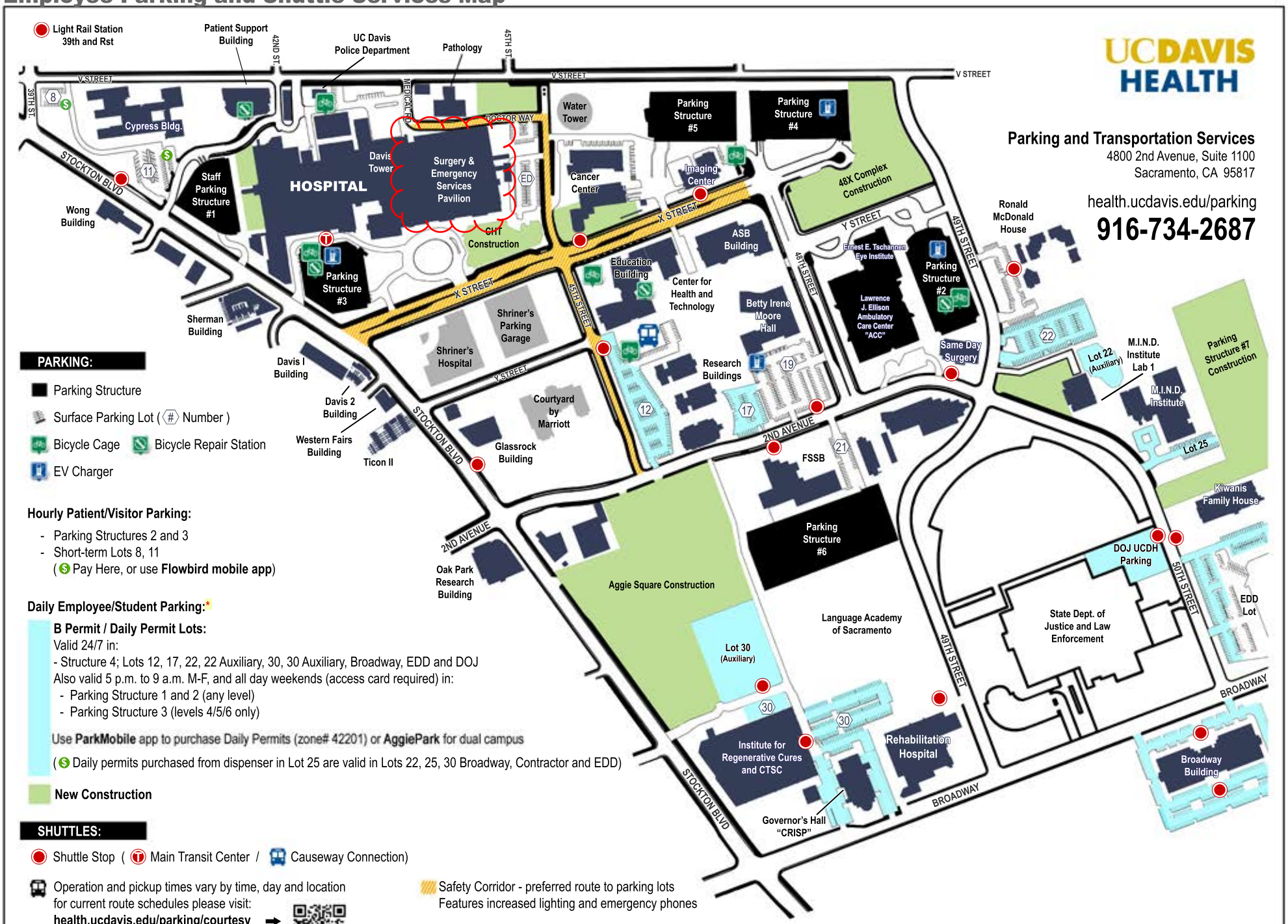
5. Question (BP-7, DFH): Please clarify which OR doors need closers replaced?

   Response: See attached for highlighted scope exhibit where this is required. This is for the existing pair of doors on the dirty side section of each OR as specified on the door schedule. This is required at each of the 24 ORs.

DocuSigned by:
Lisa Hinton
D6185A12E133405...

Lisa Hinton
Project Manager
Facilities Planning and Development
4800 2nd Ave, FSSB Suite 3010
Sacramento, CA 95817

Employee Parking and Shuttle Services Map



UCDAVIS HEALTH

Parking and Transportation Services
4800 2nd Avenue, Suite 1100
Sacramento, CA 95817

health.ucdavis.edu/parking
916-734-2687

PARKING:

- Parking Structure
- Surface Parking Lot (# Number)
- Bicycle Cage
- Bicycle Repair Station
- EV Charger

Hourly Patient/Visitor Parking:

- Parking Structures 2 and 3
- Short-term Lots 8, 11
  ($ Pay Here, or use **Flowbird mobile app**)

Daily Employee/Student Parking:*

B Permit / Daily Permit Lots:
Valid 24/7 in:
- Structure 4; Lots 12, 17, 22, 22 Auxiliary, 30, 30 Auxiliary, Broadway, EDD and DOJ

Also valid 5 p.m. to 9 a.m. M-F, and all day weekends (access card required) in:
- Parking Structure 1 and 2 (any level)
- Parking Structure 3 (levels 4/5/6 only)

Use **ParkMobile** app to purchase Daily Permits (zone# 42201) or **AggiePark** for dual campus

($ Daily permits purchased from dispenser in Lot 25 are valid in Lots 22, 25, 30 Broadway, Contractor and EDD)

New Construction

SHUTTLES:

Shuttle Stop (Main Transit Center / Causeway Connection)

Operation and pickup times vary by time, day and location for current route schedules please visit:
health.ucdavis.edu/parking/courtesy

For pickup requests call: **(916) 734-2687**

Safety Corridor - preferred route to parking lots
Features increased lighting and emergency phones

* To manage your parking account, visit **ucdmc.aimsparking.com** or use the **ParkMobile** app to purchase daily permits

JAN 22, 2024

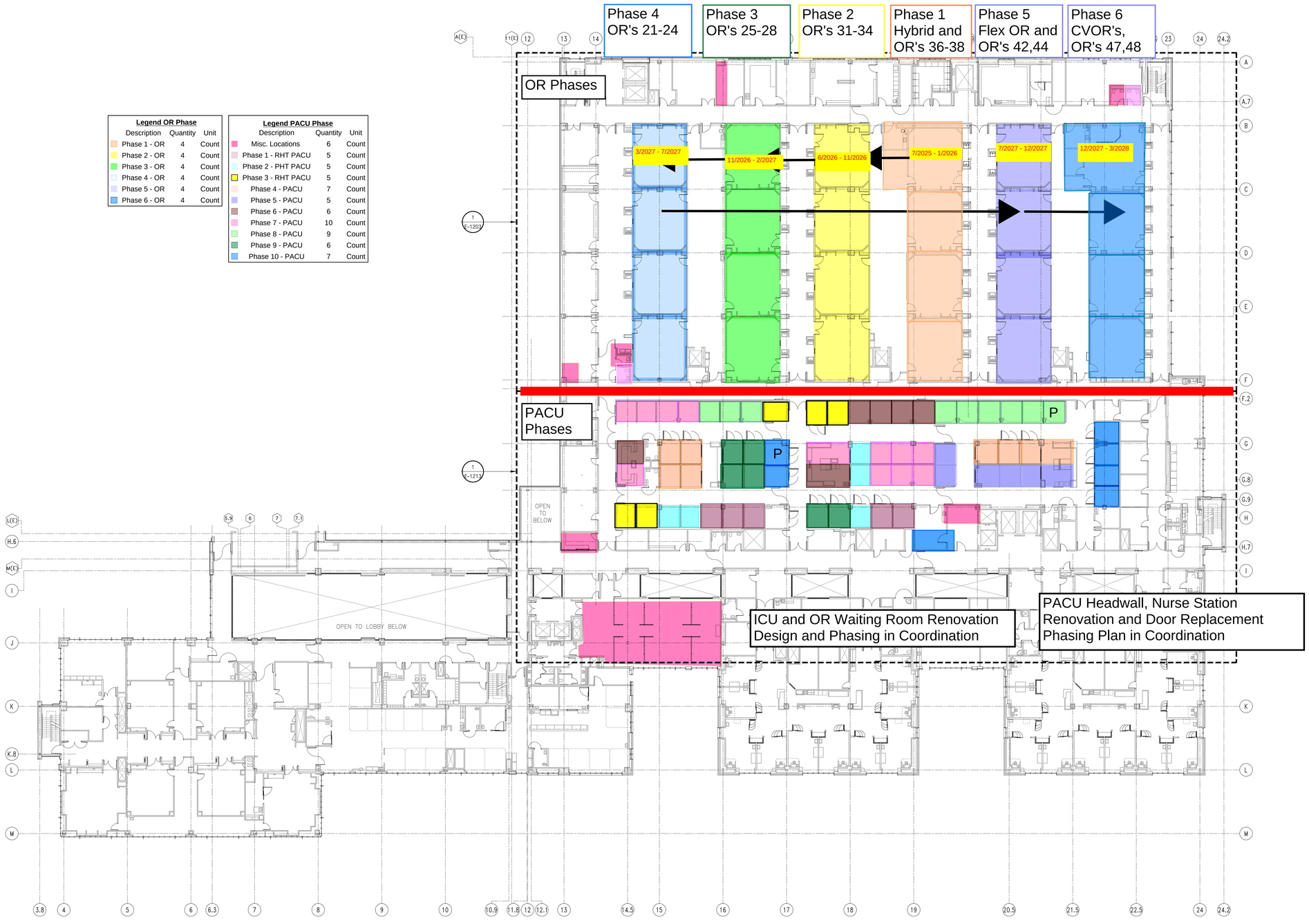
UCDH SESP OR MODERNIZATION PHASING PLAN

Legend OR Phase

Description	Quantity	Unit
Phase 1 - OR	4	Count
Phase 2 - OR	4	Count
Phase 3 - OR	4	Count
Phase 4 - OR	4	Count
Phase 5 - OR	4	Count
Phase 6 - OR	4	Count

Legend PACU Phase

Description	Quantity	Unit
Misc. Locations	6	Count
Phase 1 - RHT PACU	5	Count
Phase 2 - PHT PACU	5	Count
Phase 3 - RHT PACU	5	Count
Phase 4 - PACU	7	Count
Phase 5 - PACU	5	Count
Phase 6 - PACU	6	Count
Phase 7 - PACU	10	Count
Phase 8 - PACU	9	Count
Phase 9 - PACU	6	Count
Phase 10 - PACU	7	Count



1 LEVEL 3 OVERALL FLOOR PLAN - ELECTRICAL AREAS OF WORK

1" = 20'-0"

NORTH

PRELIMINARY: NOT FOR CONSTRUCTION

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7034

TAYLOR design

CONSULTANT LOGO:

REV	REVISION DESCRIPTION	DATE

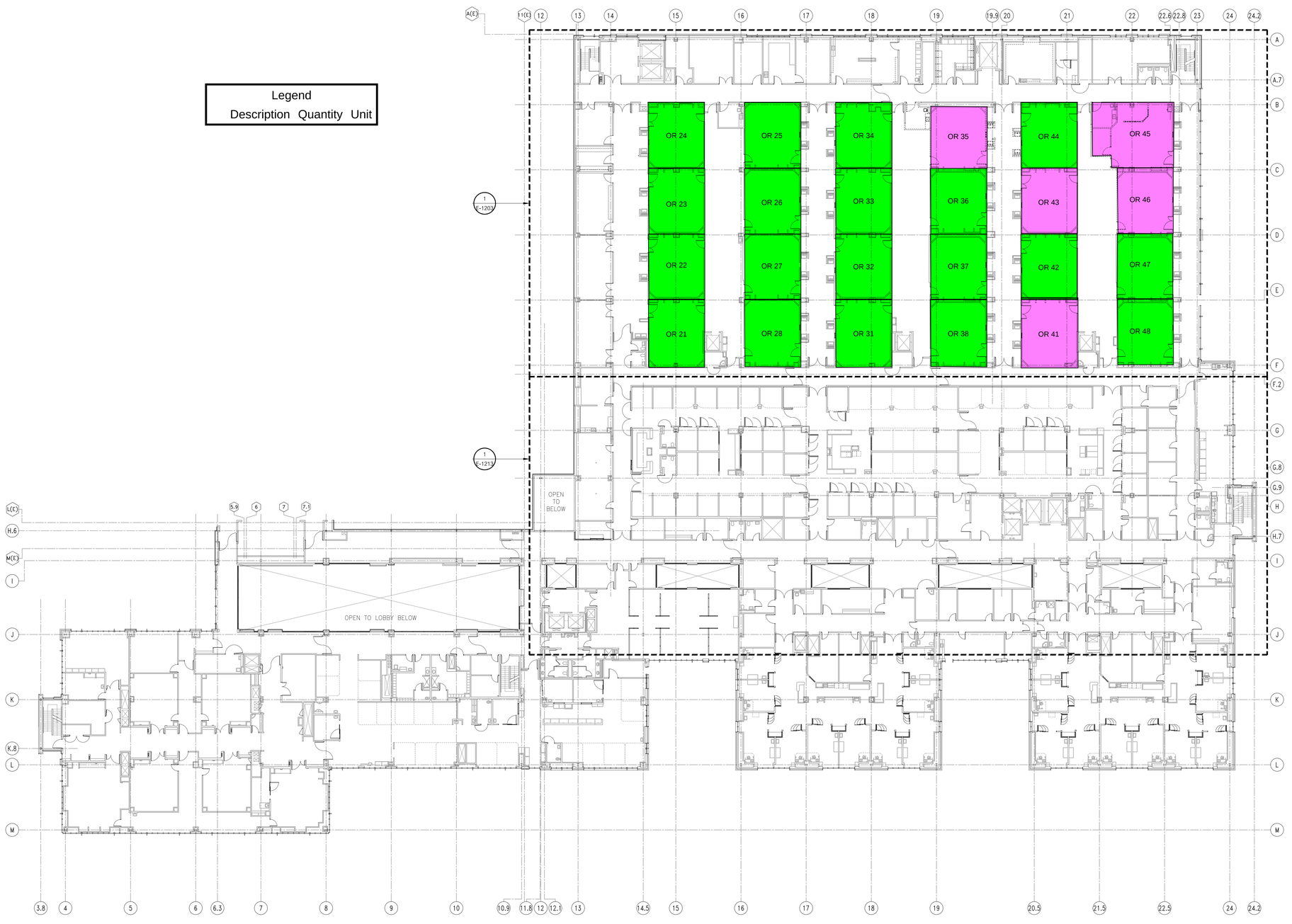
PROJECT STATUS

ARCHITECT PROJECT NO.: 6490
OSHPH NO.: TBD
BUILDING: 02841
FLOOR \ WING:
PROJECT TITLE: OR MODERNIZATION
SHEET TITLE: LEVEL 3 OVERALL FLOOR PLAN - ELECTRICAL AREAS OF WORK

ARCH./ENGR.	FD&C JOB NO.	SHEET NO.
ECOM	<JOB NO.>	E-103
UCDMC PROJ. MANAGER: LH	SCALE: AS SHOWN	
DESIGNED BY: ECOM	DATE: 05/11/2016	
DRAWN BY: ECOM	CAD FILE: -	SHEET / OF

FILE NAME: File Path

Legend		
Description	Quantity	Unit



1 LEVEL 3 OVERALL FLOOR PLAN - ELECTRICAL AREAS OF WORK

1" = 20'-0"

NORTH

PRELIMINARY: NOT FOR CONSTRUCTION

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DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7034

TAYLOR design

CONSULTANT LOGO:

REV	REVISION DESCRIPTION	DATE

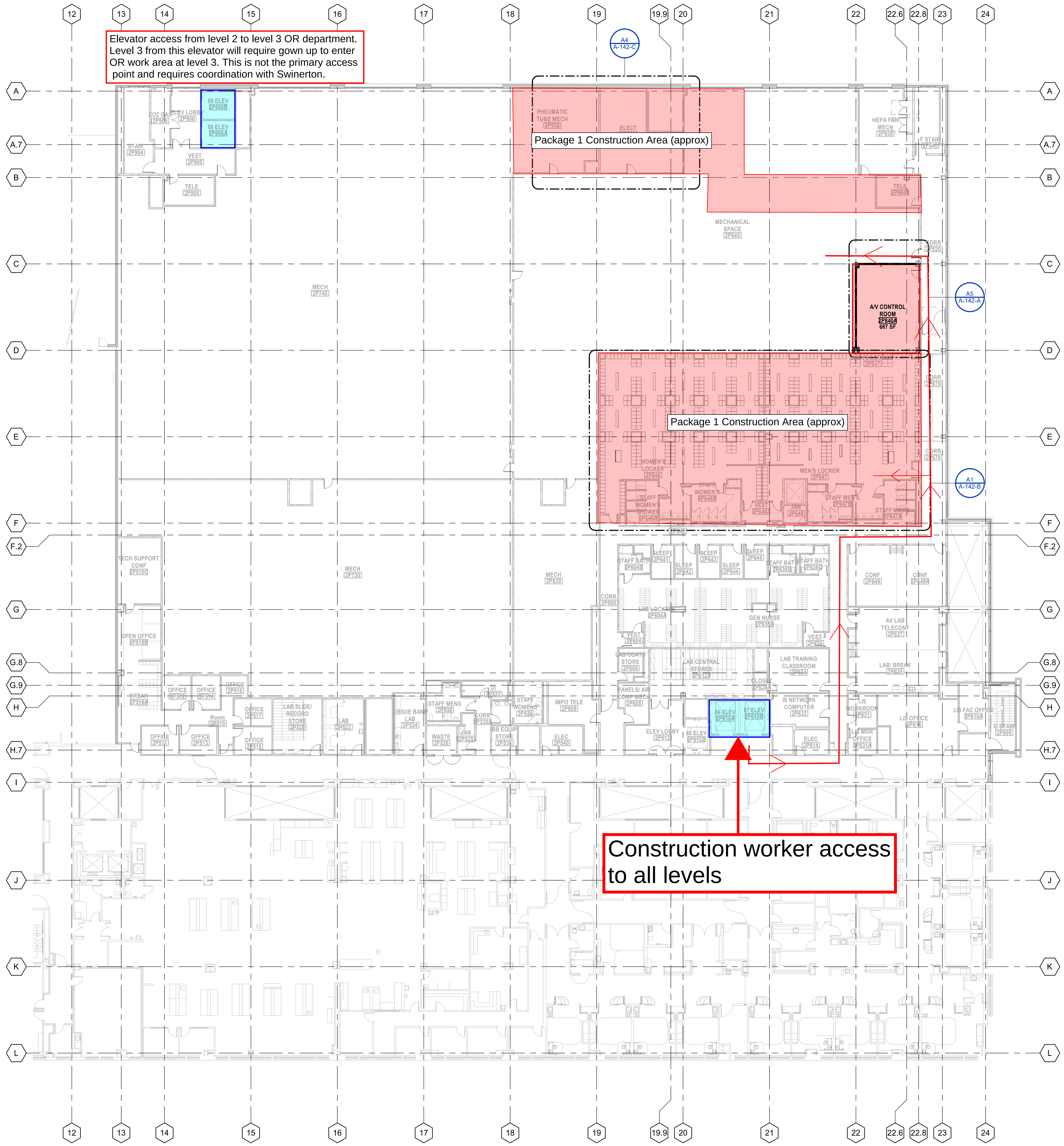
PROJECT STATUS

ARCHITECT PROJECT NO.: 6490
OSHPH NO.: TBD
BUILDING: 02841
FLOOR \ WING:
PROJECT TITLE: **OR MODERNIZATION**
SHEET TITLE: **LEVEL 3 OVERALL FLOOR PLAN - ELECTRICAL AREAS OF WORK**

ARCH./ENGR.	FD&C JOB NO.	SHEET NO.
ECOM	<JOB NO.>	E-103
UCDMC PROJ. MANAGER: LH	SCALE: AS SHOWN	
DESIGNED BY: ECOM	DATE: 05/11/2016	
DRAWN BY: ECOM	CAD FILE: -	SHEET / OF

FILE NAME: File Path

Permit 1 and 2 Make Ready and OR Modernization Construction Crew Access, Staging Areas and Facilities Plan
Level 2

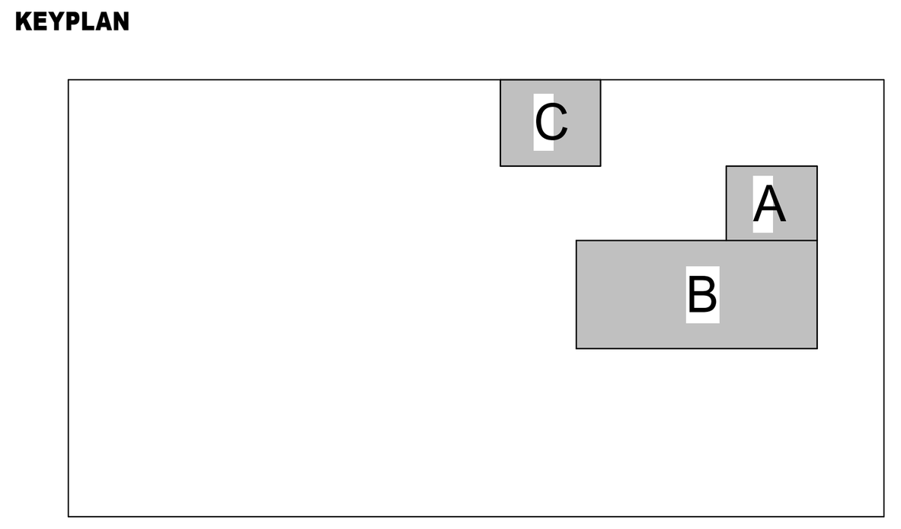


A2 LEVEL 2 OVERALL FLOOR PLAN
1/16" = 1'-0"

KEYNOTE LEGEND

KEY	KEYNOTE TEXT

KEYPLAN



DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

PRELIMINARY: NOT FOR CONSTRUCTION

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

SCHEMATIC DESIGN

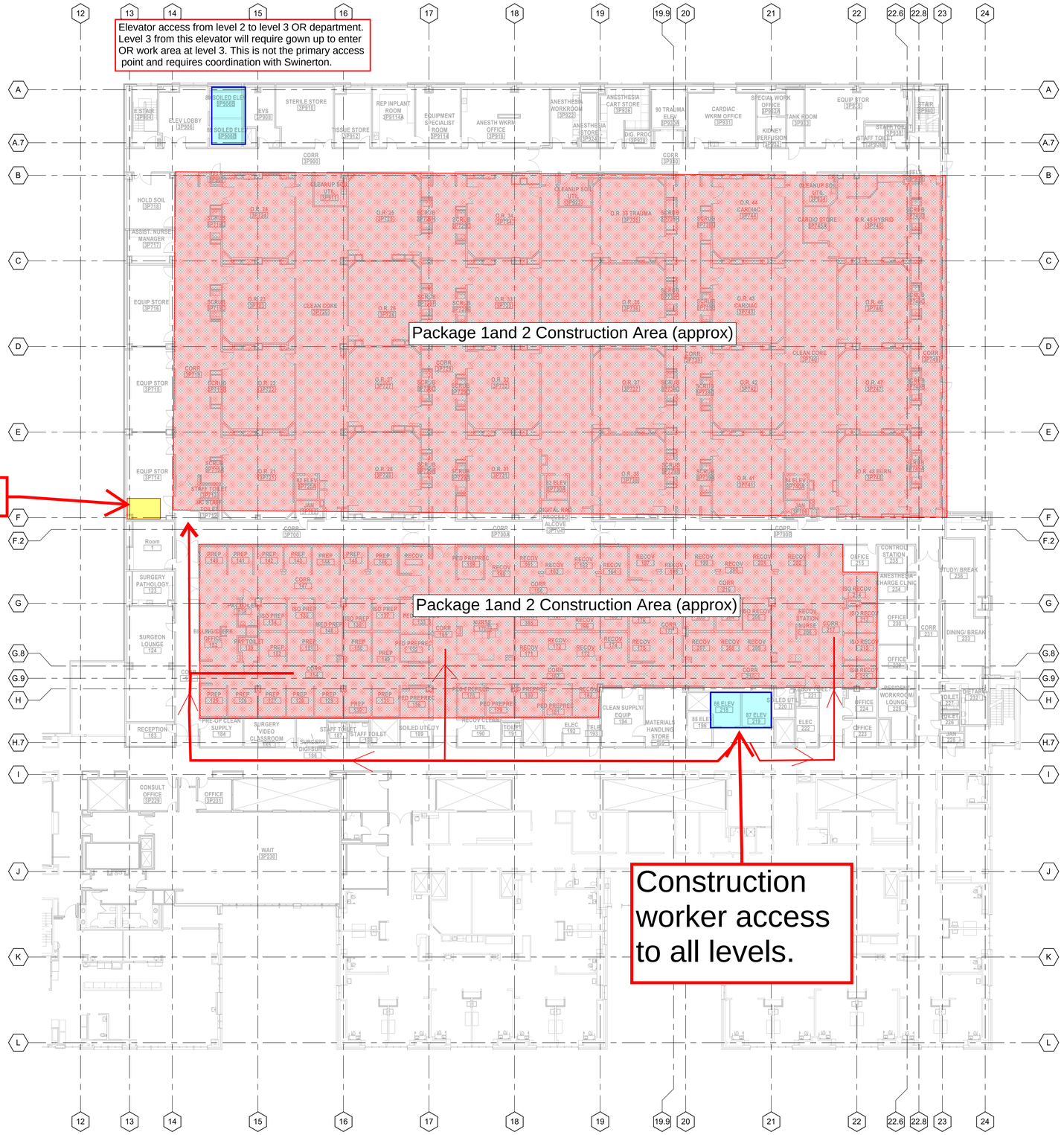
ARCHITECT PROJECT NO.: 6490
OSHPD NO.:
BUILDING: 02841
FLOOR \ WING: FLOOR
PROJECT TITLE: OPERATING ROOM & PACU MODERINZATION
SHEET TITLE: LEVEL 2 OVERALL FLOOR PLAN

ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
TAYLOR DESIGN		A-122
UCDMC PROJ. MANAGER: L. HINTON	SCALE: 1/16" = 1'-0"	
DESIGNED BY: TAYLOR DESIGN	DATE: 04/12/24	
DRAWN BY: TAYLOR DESIGN	CAD FILE: -	SHEET OF

FILE NAME: Autodesk Docs://6490-UCDH-Med Ctr OR Mod/6490-UCDH-Med Ctr OR Mod-R24.rvt

Permit 1 and 2 Make Ready and OR Modernization Construction Crew Access, Staging Areas and Facilities Plan Level 2

Elevator access from level 2 to level 3 OR department. Level 3 from this elevator will require gown up to enter OR work area at level 3. This is not the primary access point and requires coordination with Swinerton.



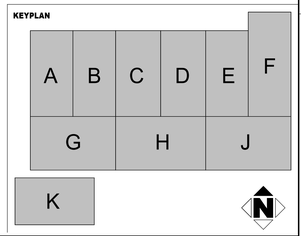
KEYNOTE LEGEND

KEY	KEYNOTE TEXT

NO ARCHITECTURAL WORK ON LEVEL 3

ANY MODIFICATIONS TO WALLS, CEILINGS OR FLOORS ON LEVEL 2, PATCH AND REPAIR FINISHES TO MATCH (E)

KEYPLAN



A2 LEVEL 3 OVERALL FLOOR PLAN
1/16" = 1'-0"

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

PRELIMINARY: NOT FOR CONSTRUCTION

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE

SCHEMATIC DESIGN

ARCHITECT PROJECT NO.: 6490
OSHPH NO.:
BUILDING: 02841
FLOOR WING: SURGERY & EMERGENCY SERVICES PAVILLION - BLDG 101
PROJECT TITLE: OPERATING ROOM & PACU MODERINZATION
SHEET TITLE: LEVEL 3 OVERALL FLOOR PLAN

ARCH./ENGR. TAYLOR DESIGN	FD&C JOB NO.	SHEET NO. A-123	
UCDMC PROJ. MANAGER L. HINTON	SCALE 1/16" = 1'-0"		
DESIGNED BY TAYLOR DESIGN	DATE 04/12/24		
DRAWN BY TAYLOR DESIGN	CAD FILE -	SHEET	OF

PERMIT 3 SCOPE EXHIBIT - ASSUMPTIONS FOR ADD ALTERNATE PRICING

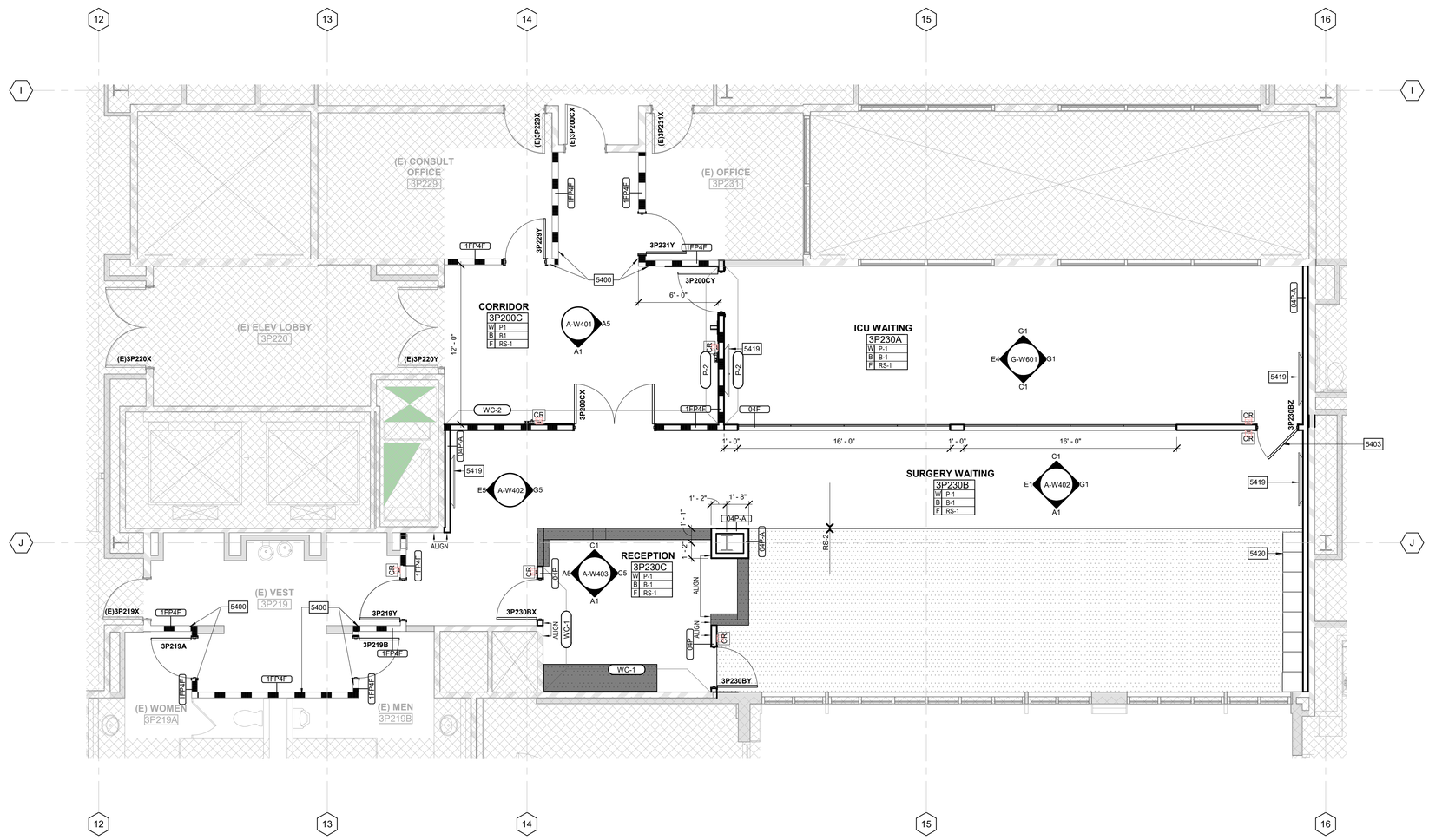
Opening	Size	Dr Matl	Fr Mat	Rating	Card Read	HDW Set
3P200CX	6070	WD	HM	60	CR	Custom
3P200CY	3070	WD	HM	60	CR	04
3P219Y	3070	WD	HM	60	CR	04
3P219B	3070	WD	HM	60		02
3P230BZ	3070	WD	HM		CR	04
3P230BX	3070	WD	HM		CR	04
3P230BY	3070	WD	HM		CR	04
3P219A	3070	WD	HM	60		02

HARDWARE SET NO. 02

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	HOSPITAL LATCH	HL6 2 3/4" A	630	SCH
1	EA	SURFACE CLOSER	4040XP DEL RW/PA	689	LCN
2	EA	ARMOR PLATE	8400 34" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CCV	626	IVE
1	EA	GASKETING	188SBK PSA	BK	ZER
1	EA	DOOR BOTTOM	350AA	AA	ZER

HARDWARE SET NO. 04

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 TW8	652	IVE
1	EA	EU STOREROOM LOCK	ND80TDEU RHO RX 12/24 VDC	626	SCH
1	EA	PERMANENT CORE	23-030 (EF KEYWAY)	626	SCH
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	ARMOR PLATE	8402 34" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CCV	626	IVE
1	EA	GASKETING	188SBK PSA	BK	ZER
		CARD READER	BY WORK OF DIVISION 28		
		POWER SUPPLY	BY WORK OF DIVISION 28		



A1 LEVEL 3 SEGMENT FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

1. REFER TO SHEETS G-W011 THROUGH G-W013 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO SHEET A-W001 FOR GENERAL FRAMING AND PARTITION NOTES.
3. REFER TO OSHPD FIRE PROOFING & FIRE STOPPING NOTES AND PRE-APPROVED DETAILS (OPDs) ON SHEETS A-W519A THROUGH A-W519C.
4. REFER TO OSHPD WALL FRAMING NOTES AND PRE-APPROVED DETAILS (OPDs) ON SHEETS A-W529A THROUGH A-W529E.
   A. **PARTITION WALL SCHEDULES**: OPD ST2.00 & ST2.01/A-W529B
   B. **BRACING REQUIREMENTS**: OPD ST6.00/A-529C THROUGH ST6.11/A-W529D
   C. **TOP TRACK CONNECTION TO DECK**: OPD ST7.00/A-529D THROUGH ST7.10/A-W529E
   D. **BOTTOM TRACK CONNECTION TO SLAB**: OPD ST8.00 THROUGH ST8.03/A-W529E
5. REFER TO DOOR SCHEDULE ON SHEET A-W601.
6. DIMENSIONS ARE TO FACE OF FINISH, UNLESS NOTED OTHERWISE.
7. ANY MODIFICATIONS TO EXISTING WALLS, CEILINGS, OR FLOORS, PATCH AND REPAIR FINISHES TO MATCH (E)
8. REFER TO FINISH GENERAL NOTES AND FINISH LIST ON SHEET A-W610 FOR FINISH SPECIFICATIONS AND DESIGNATION.
9. MECH & ELEC EQUIPMENT SHOWN FOR REFERENCE ONLY. REFER TO MECH AND ELEC DWGS.
10. REFER TO SHEETS G-W601 AND G-W602 FOR MOUNTING HEIGHTS OF MONITORS AND WALL DEVICES

WALL PARTITION LEGEND

DESIGNATION	WALL TAG	DESCRIPTION	DETAILS
	N/A	EXISTING PARTITION	N/A
	0XF	NON-RATED FULL HEIGHT METAL STUD PARTITION	E9/A-W501
	0XP	NON-RATED PARTIAL HEIGHT METAL STUD PARTITION	E5/A-W501
	0XP-A	NON-RATED PARTIAL HEIGHT METAL STUD FURRED PARTITION	E7/A-W501
	1FPXF	1 HOUR RATED METAL STUD FIRE PARTITION	A9/A-W501
		NOT IN SCOPE. NOTE: HATCH IS DIAGRAMMATIC IN NATURE AND IS TO BE COMPARED TO THE SET IN ITS ENTIRETY FOR A COMPREHENSIVE UNDERSTANDING OF THE SCOPE.	
		CASEWORK	

WALL TAG LEGEND

FIRE RATING
0 = NON-RATED PARTITION
1FB = 1HR FIRE BARRIER

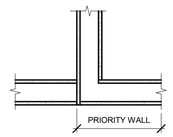
WALL HEIGHT
F = FULL HEIGHT: STOPS AT DECK
P = PARTIAL HEIGHT: STOPS ABOVE CEILING

1FBF-A

NOMINAL STUD SIZE (IN.)
4 = 4"
6 = 6"

SPECIAL CONDITIONS (IF OCCURS)
A = FURRED WALL

WALL FRAMING PRIORTY



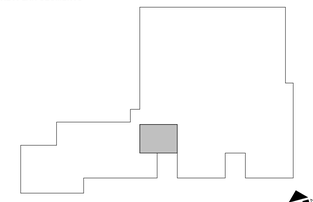
WALL TYPE	PRIORITY
FIRE WALL	HIGHEST
SMOKE BARRIER	
FIRE BARRIER	
SMOKE PARTITION	
PARTITION	
NON-RATED	LOWEST

RATING (HR)	PRIORITY
4	HIGHEST
3	
2	
1	
NON-RATED	LOWEST

KEYNOTE LEGEND

KEY	KEYNOTE TEXT
5400	UPGRADE (E) FULL HEIGHT STUD PARTITION TO 1-HOUR RATED FIRE PARTITION PER DETAIL A9/A-W501
5403	SAFETY EXIT ONLY
5419	MONITOR. REFER TO DETAIL S-WXXX FOR BACKING
5420	LOCKERS. REFER TO DETAIL S-WXXX FOR BACKING

KEYPLAN SEGMENTS



BLD-02841 - SURGERY AND EMERGENCY SERVICES PAVILION - BLDG 101

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS

FMC JOB NO.: 9557460
OSHPH NO.:
BUILDING: BLD-02841
FLOOR WING: SURGERY & EMERGENCY SERVICES PAVILLION - BLDG 101
PROJECT TITLE: 9557460 SESP OPERATING ROOM & PREOP/PACU MODERNIZATION PROJECT - WAITING ROOM
SHEET TITLE: LEVEL 3 SEGMENT FLOOR PLAN

ARCH./ENGR.	ARCHITECT PROJECT NO.	SHEET NO.
TAYLOR DESIGN	6490	A-W143
UCDMC PROJ. MANAGER: L. HINTON	SCALE: As indicated	
DESIGNED BY: TAYLOR DESIGN	DATE: 02/28/25	
DRAWN BY: TAYLOR DESIGN	CAD FILE: -	SHEET / OF

DOOR SCHEDULE NOTES

NO.	NOTE
ACCESSORIES	
01	DOOR SEAL
02	KICK PLATE
03	ONE ACTIVE LEAF - AUTO FLUSH BOLT
04	AUTOMATIC DOOR BOTTOM
05	MOP PLATE
06	34" ARMOR PLATE (SS)
07	ARMOR PLATE BOTH SIDES OF DOOR
08	DOOR FRAME PROTECTION (ACROVYN)
09	GASKETING
10	ASTRAGAL
11	DOOR SWEEP
DOOR STOPS	
12	OVERHEAD STOP
13	FLOOR STOP
14	WALL BUMPER
HINGES	
21	ELECTRIFIED HINGES
22	HEAVY DUTY
24	CONTINUOUS HINGE
LEVER / LOCKSET / LOCKS	
31	PRIVACY LOCKSET
32	CLASSROOM LOCKSET
33	STORAGE ROOM LOCKSET
34	ELECTRIFIED LOCKSET
35	PASSAGE LATCH
36	OFFICE LOCKSET
37	EXIT / PANIC HARDWARE
38	CYLINDER LOCKS AT BASE OF DOORS
39	ELECTRIFIED STRIKE
40	CARD READER
41	KEYPAD
42	RESCUE HARDWARE
43	HOSPITAL LATCH
OPENER / CLOSER	
51	CLOSER
52	DOOR SILENCER
53	180 DEGREE OUTSWING CLOSER
54	AUTOMATIC DOOR SENSOR AT BOTH SIDE OF THE DOOR
55	DOOR ACTUATOR, BAR
56	DOOR ACTUATOR, HI/LOW SQAURE
57	DOOR ACTUATOR, HI/LOW CIRCLE
58	ADD HOLD OPEN, MOUNT IN PARALLEL WITH 5 SCREWS
59	MAGNETIC HOLD OPEN
60	CLOSER, HEAVY DUTY
PROPERTIES	
70	LEAD LINED, MATCH EQUIVALENT LEAD SHIELDING WEIGHT TO ADJACENT
71	LEAD LINED, (SPECIFY POUND)
72	MRI SHIELDED DOOR
73	EXTERIOR DOOR
74	NEW DOOR IN EXISTING FRAME

GLAZING TYPE - PACKAGE 2

TYPE	DESCIRPTION
GL-A	1/4" CLEAR TEMPERED GLASS
GL-B	2# LEAD WINDOW

DOOR SCHEDULE GENERAL NOTES

1. REFER TO A-0002 FOR GENERAL DOOR NOTES.
2. REFER TO ABBREVIATIONS CODES ON SHEET G-0001.
3. PAINT DOOR AND FRAME TO MATCH ADJACENT WALL, UNO.
4. PROVIDE DOOR HARDWARE THAT CAN OPEN 180 DEGREES TO THE DOORS THAT SWING OUT TO THE HALLWAY AND CORRIDORS.
5. EXISTING FIRE RATED DOORS SHALL BE TIGHTLY FITTING, WITH GAPS NO MORE THAN 1/8" AT JAMBS AND HEAD, AND 3/4" MAXIMUM AT BOTTOM. REFER TO NFPA 80 (2019) 6.3.1.7 CLEARANCES. WHERE REQUIRED, PROVIDE JAMB ADAPTERS SUCH AS "ACTIVE FIRE DOOR PRODUCTS - ACTIVE DOOR GAP FILLER" AS NEEDED. FINISH TO MATCH DOOR FRAME WHEN ATTACHED TO DOOR FRAME. VERIFY FINISH WITH ACHITECT WHEN ATTACHED TO DOOR.

EXISTING DOOR SCHEDULE - PACKAGE 2 / ALL PHASES

MARK	DOOR SIZE W	HT	THK	MATL	FIN	ELV	GLZ	DETAIL HEAD	JAMB	SILL	FRAME MATL	FIN	FIRE RATING LABEL	HARDWARE SET NO	NOTES
Level 3															
(E)3P721X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P722X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P723X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P724X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P725X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P726X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P727X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P728X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P731X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P732X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P733X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P734X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P736X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P737X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P738X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P741X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P742X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P743X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P744X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P745X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P746X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P747X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS
(E)3P748X	6' - 0"	8' - 0"	0' - 1 3/4"	(E)	(E)	B2	(E)	(E)	(E)	(E)	(E)	(E)	N/R	(E)	REPLACE CLOSER; INSTALL LCN 4041, PARALLEL ARM W/ (5) SCREWS

DOOR SCHEDULE - SEGMENT D / O.R. PHASE 1.2

MARK	DOOR SIZE W	HT	THK	MATL	FIN	ELV	GLZ	DETAIL HEAD	JAMB	SILL	FRAME MATL	FIN	FIRE RATING LABEL	HARDWARE SET NO	NOTES
Level 3															
3P735X	6' - 0"	8' - 0"	0' - 1 3/4"	WD	PL	B2	GL-A	A3/A-1602	C3/A-1602	A3/A-1503	HM	PT	N/R	01	07, 08, 09, 10, 11, 12, 43, 60, 71(1)
3P735Y	3' - 6"	7' - 0"	0' - 1 3/4"	WD	PL	B	GL-A	E9/A-1602	C9/A-1602	A9/A-1602	HM	PT	N/R	02	07, 08, 09, 11, 12, 22, 43, 60
3P923X	4' - 0"	7' - 0"	0' - 1 3/4"	WD	PL	A	N/A	E9/A-1602	C9/A-1602	A9/A-1602	(E)	PT	45 MIN	05	06, 08, 09, 14, 34, 40, 51, 74; RECERTIFY FRAME RATING.
3P925X	3' - 6"	7' - 0"	0' - 1 3/4"	WD	PL	B	GL-A	E9/A-1602	C9/A-1602	A9/A-1602	HM	PT	N/R	02	07, 08, 09, 12, 22, 43, 60

DOOR SCHEDULE - SEGMENT F / O.R. PHASE 6

MARK	DOOR SIZE W	HT	THK	MATL	FIN	ELV	GLZ	DETAIL HEAD	JAMB	SILL	FRAME MATL	FIN	FIRE RATING LABEL	HARDWARE SET NO	NOTES
Level 3															
3P745AX	4' - 0"	7' - 0"	0' - 1 3/4"	WD	PL	B	GL-A	E9/A-1602	C9/A-1602	A9/A-1602	HM	PT	N/R	03	07, 08, 09, 12, 22, 43, 60
3P745AY	8' - 0"	7' - 6"	0' - 6"	AL	AN	H	GL-A	G7/A-1602	E7/A-1602	-	AL	AN	N/R	-	40; HARDWARE PER MFR
3P745AZ	8' - 0"	7' - 6"	0' - 6"	AL	AN	H	GL-A	G7/A-1602	E7/A-1602	-	AL	AN	N/R	-	40; HARDWARE PER MFR
3P745Y	3' - 6"	7' - 0"	0' - 1 3/4"	WD	PL	B	GL-A	E9/A-1602	C9/A-1602	A9/A-1602	HM	PT	N/R	02	07, 08, 09, 11, 12, 22, 43, 60
3P746Y	3' - 6"	7' - 0"	0' - 1 3/4"	WD	PL	B	GL-A	A3/A-1602	C3/A-1602	A9/A-1602	HM	PT	N/R	02	07, 08, 09, 11, 12, 22, 43, 60

DOOR SCHEDULE - SEGMENT G / PACU PHASE 1.1

MARK	DOOR SIZE W	HT	THK	MATL	FIN	ELV	GLZ	DETAIL HEAD	JAMB	SILL	FRAME MATL	FIN	FIRE RATING LABEL	HARDWARE SET NO	NOTES
Level 3															
3P537X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P539X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P541X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P543X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P554X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P556X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P557X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION

DOOR SCHEDULE - SEGMENT H / PACU PHASE 2.1

MARK	DOOR SIZE W	HT	THK	MATL	FIN	ELV	GLZ	DETAIL HEAD	JAMB	SILL	FRAME MATL	FIN	FIRE RATING LABEL	HARDWARE SET NO	NOTES
Level 3															
3P561X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P563X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P565X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P567X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P582X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P601X	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PTD	A	-	E9/A-1602	C9/A-1602	A9/A-1602	PTD	HM	45 MIN	04	07, 08, 09, 14, 22, 34, 40, 51

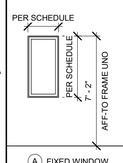
DOOR SCHEDULE - SEGMENT J / PACU PHASE 3.1

MARK	DOOR SIZE W	HT	THK	MATL	FIN	ELV	GLZ	DETAIL HEAD	JAMB	SILL	FRAME MATL	FIN	FIRE RATING LABEL	HARDWARE SET NO	NOTES
Level 3															
3P625X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P627X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P631X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P632X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P634X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION
3P635X	6' - 10"	7' - 0"	0' - 1 3/4"	AL	AN	J	GL-A	B7/A-1602	A7/A-1602	-	AL	AN	N/R	-	HARDWARE PER MFR; VERIFY (E) RO PRIOR TO FABRICATION

WINDOW SCHEDULE

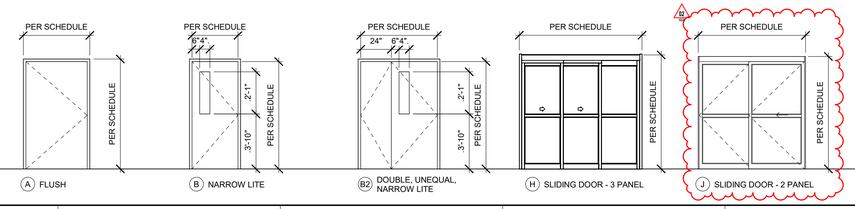
MARK	SIZE WIDTH	HEIGHT	TYPE	FINISH	MATERIAL	GLAZING	TYPE	FIRE RATING	DETAILS HEAD	JAMB	SILL	MULLIONS HORIZONTAL	VERTICAL	COMMENTS
735	2' - 4"	3' - 3"	A		HM	GL-B			E3/A-1602	E3/A-1602	E3/A-1602			70
735A	10' - 0"	4' - 1"	A		HM	GL-B			E3/A-1602	E3/A-1602	E3/A-1602			70

WINDOW TYPE LEGEND



(A) FIXED WINDOW

DOOR TYPE LEGEND



DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

NOT FOR CONSTRUCTION

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
	NMA 02 - PACKAGE 2	5/1/2025

CONSTRUCTION DOCUMENTS

FSMC JOB NO.: 9557460
OSHPH NO.: S241102-34-00
BUILDING: BLD-02841
FLOOR LVING:
PROJECT TITLE: SURGERY & EMERGENCY SERVICES PAVILLION - BLDG 101
9557460 SESP OPERATING ROOM & PREOP/PACU MODERNIZATION
PROJECT - MAKE-READY
SHEET TITLE:
DOOR/WINDOW SCHEDULE AND DOOR/WINDOW LEGEND

ARCH./ENGR.	ARCHITECT PROJECT NO.	SHEET NO.	
TAYLOR DESIGN	6490	**A-1601**	
UCDMC PROJ. MANAGER	SCALE		
L. HINTON	1/4" = 1'-0"		
DESIGNED BY	DATE		
TAYLOR DESIGN	10/24/24		
DRAWN BY	CAD FILE	SHEET	OF
TAYLOR DESIGN	-		


door highlights represent where closers need to be replaced.
(E) STAFF TOILETS
(E) JAN
(E) JAN
CUSTOM WALL PROTECTI
LOCATION. PANELS TO BE
FULL HEIGHT AND EXTENI
LENGTH OF WALL FROM D
TO #39500 ON THIS SIDE O
FINISH LEGEND FOR SPEC
TOILETS
VERIFY IN FIELD
(E) CONTROL

UCDAVIS HEALTH
Department of Radiology
Sarah E. McKenney, Ph.D.
Associate Professor, Radiology
Division of Medical Physics

4860 Y Street, Suite 3100
Sacramento, CA 95817
Office Telephone: (916) 734-7223
E-mail: semckenney@ucdavis.edu

October 24, 2024

To whom it may concern:

This document is a Shielding Design Report for an interventional cardiac catheterization lab.

This report has one update:

1. The proposed barrier for Wall G has been updated from 3 inches to 1.25 inches.
2. The adjacent space has been updated from "exam room" to "storage".
3. Therefore, **the barrier recommendation for Wall G is updated to proposed 1.25 inches drywall sufficient.**

Facility Information
Facility Name: University of California Davis Health
Facility Address:
Installation Division: Radiology

Equipment Information
Location: OR 35
Machine Type: XA
Make: Philips
Model: Azurion 7 C20 FlexArm
Maximum Technique Factors: 130 kV/800 mA
Number of Tubes: 1
Energy Waveform: High frequency
CA Machine No: N/A

Description of Imaging Technology
This is a single plane peripheral interventional imaging system (Figure 1), with a variety of interventional-specific imaging capabilities, including three-dimensional "spins" to acquire data for cross-sectional imaging and evaluation. The design of the system precludes any primary radiation incidence on the radiation barriers in the room as the detectors are always in position to intercept the primary beam.

Workload

It is estimated that 20 exams will be performed per week per NCRP 147 recommendations. Calculations were for a 25 exam per week workload. Most patients are greater than 18 years old.

Architectural Information

Drawings can be found in Appendix A and B of this document. All adjacent spaces, besides the control room, are uncontrolled. These adjacent rooms include a storage room and corridors.

Composition of Floor & Ceiling

The composition of the floors and ceilings are a minimum of 3.25 inches normal weight concrete on am 18 gage (0.04 inch) steel deck. Drawings can be found in Appendix C. Full occupancy is assumed both above and below the room.

Shielding Summary

The tables below summarize the shielding requirements and proposed construction materials for the radiography room (see Appendix D for more details).

Shielding Requirements: Pavillion OR35				
Barrier	**Adjacent Space**	**Barrier Material**	**Min Barrier Thickness Required (mm)**	**Proposed Construction (Minimum Nominal Weight lb/ft^2)**
Door A	Corridor	Wood	153.2	A wood or steel door is sufficient.
Wall B	Control booth	Lead	0.5	Minimum 2 lb/sqft^2 Lead
Wall C	Corridor	Lead	0.5	Minimum 2 lb/sqft^2 Lead
Wall D	Corridor	Lead	0.5	Minimum 2 lb/sqft^2 Lead
Door E	Corridor door	Lead	0.3	Minimum 1 lb/sqft^2 Lead
Wall F	Patient exam room	Lead	0.7	Minimum 2 lb/sqft^2 Lead
Wall G	Storage room	Gypsum	19.1	Proposed 1.25 inches gypsum sufficient
Ceiling	Attic	Concrete	7.1	Existing 3.25 inch concrete acceptable
Floor	Full Occupancy	Concrete	30.1	Existing 3.25 inch concrete acceptable

Additional Requirements

1. All shielding will extend from the floor to a height of 7 feet.
2. All windows, frames, doors, and door frames on a wall must meet the minimal shielding requirements specified for that wall.
3. Any penetrations in the shielding, such as outlets, must meet the minimal shielding requirements. This can be achieved by wrapping the backs with lead.
4. The technologist must always have a clear line of sight to the patient or functional video monitoring.
5. The technologist must be able to communicate to the patient (both provide instructions and always hear responses) in person or via an intercom.
6. For remodels with existing shielding: Any walls that require patching must be patched with shielding equivalent to existing shielding.
7. Shielding greater than or equal to 8 lb/ft2 uses plywood. This shielding requires 16-inch studs for construction.
8. All rooms containing x-ray equipment require a "Caution X-Ray" sign or placard outside of the room

Shielding must be recalculated if:

1. The workload estimate increases by more 25%
2. The adjacent spaces are reassigned
3. The equipment is designated to a different room
4. The equipment placement within the room changes by more than 2 ft.

Summary

In accordance with NRCP Reports 49 & 147, the proposed facility design meets or exceeds shielding requirements. Please feel free to contact me

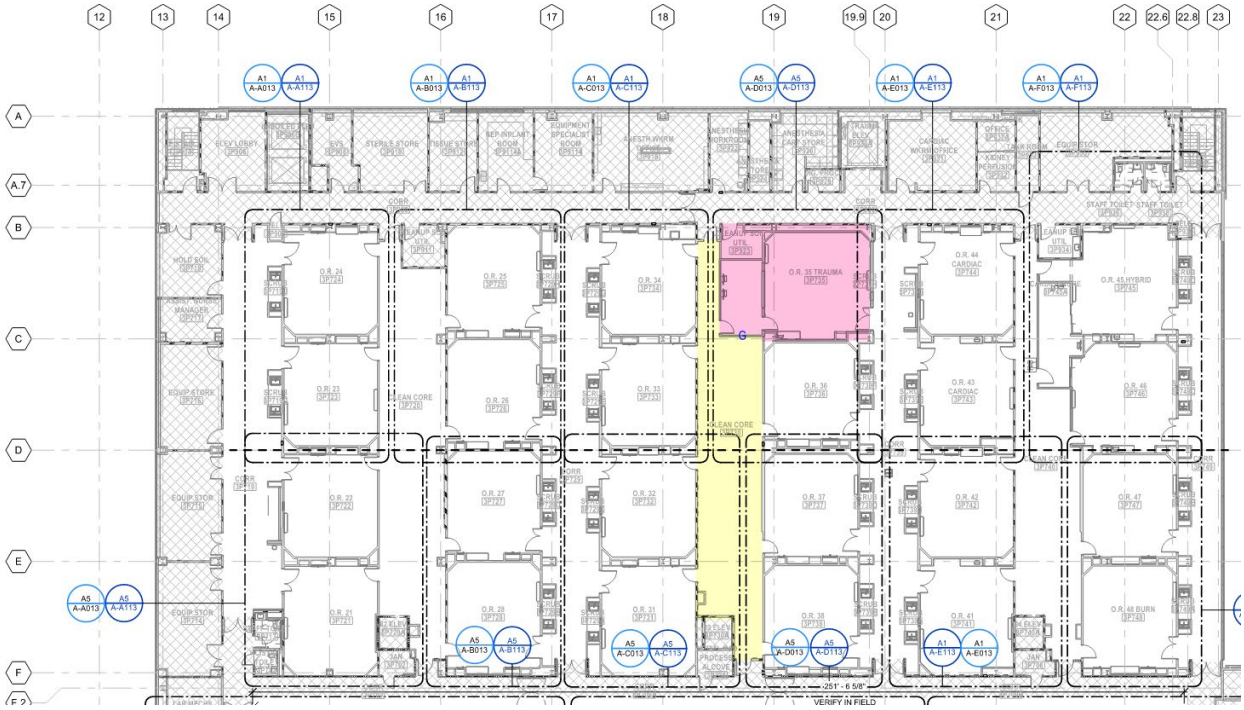
(semckenney@ucdavis.edu, 916-734-7223) if you have any questions regarding this report.

Sincerely,

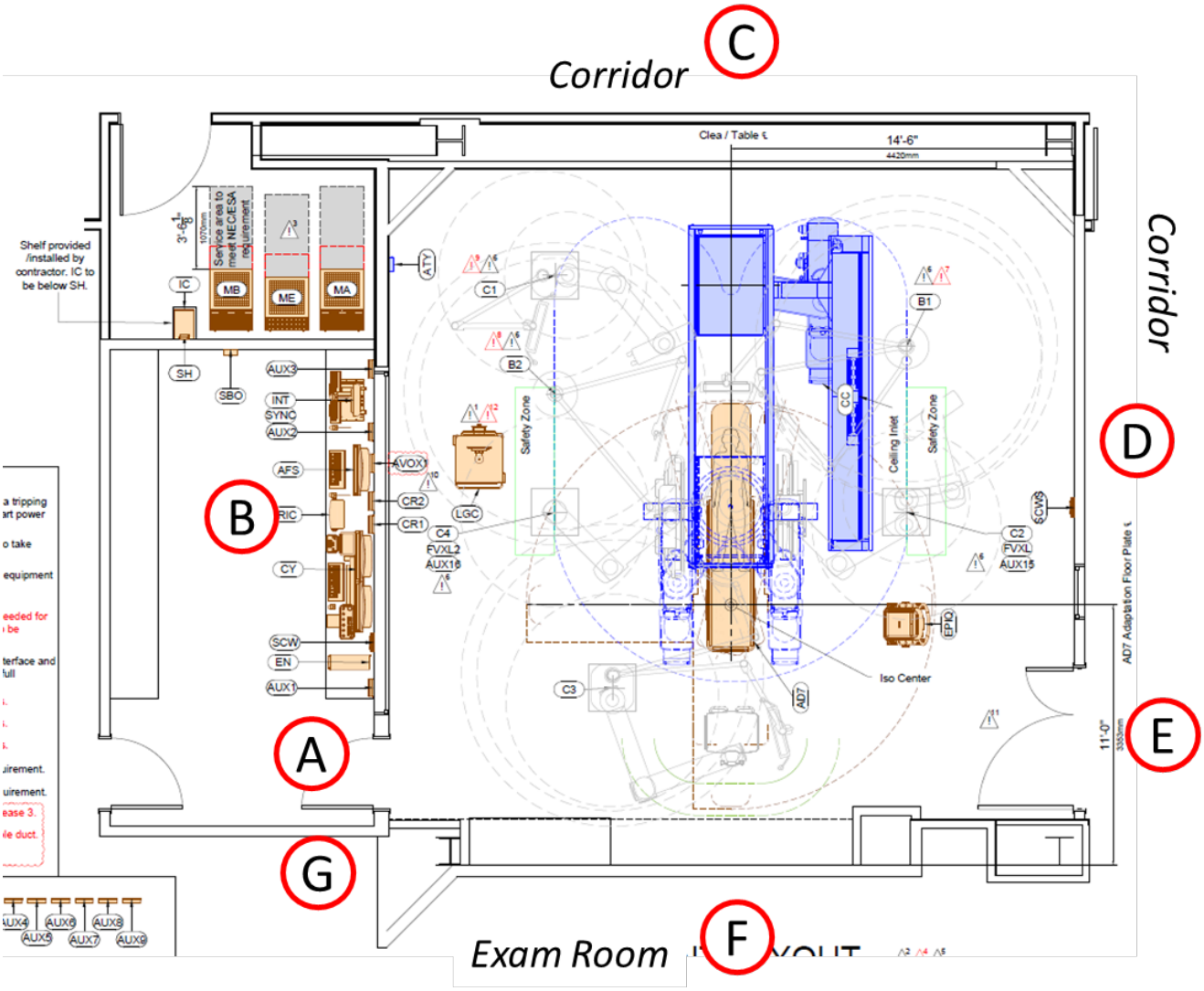
Sarah McKenney, Ph.D.
Medical Physicist

Appendix A: Facility Floor Plan

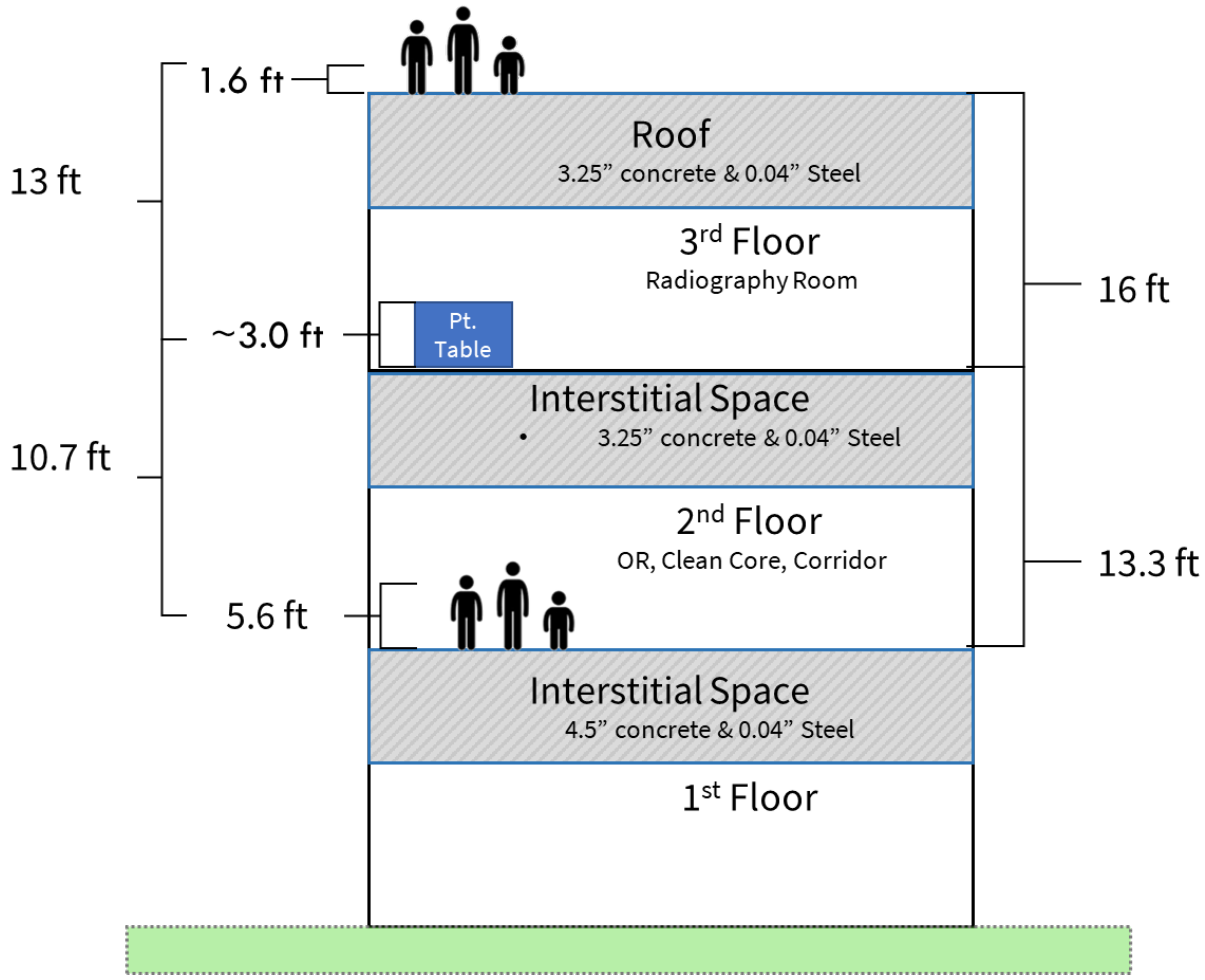
Shielded room is highlighted in pink. The clean core (adjacent to wall G) is highlighted in yellow.



Appendix B: Room Floor Plan



Appendix C: Elevation Drawing

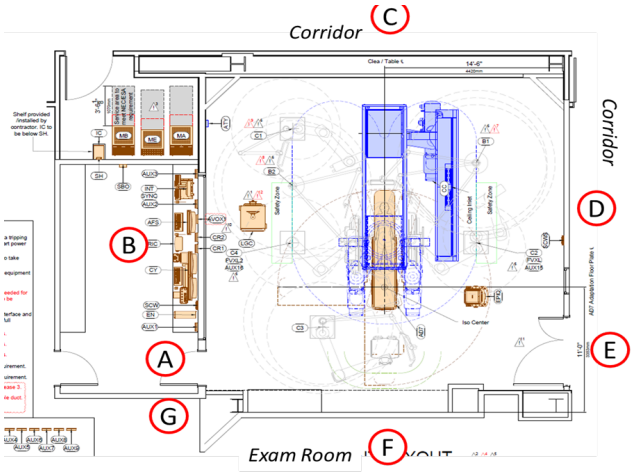


Appendix D: Calculation Details

Shielding Requirements: Pavillion OR35				
Barrier	**Adjacent Space**	**Barrier Material**	**Min Barrier Thickness Required (mm)**	**Proposed Construction (Minimum Nominal Weight lb/ft^2)**
Door A	Corridor	Wood	153.2	A wood or steel door is sufficient.
Wall B	Control booth	Lead	0.5	Minimum 2 lb/sqft^2 Lead
Wall C	Corridor	Lead	0.5	Minimum 2 lb/sqft^2 Lead
Wall D	Corridor	Lead	0.5	Minimum 2 lb/sqft^2 Lead
Door E	Corridor door	Lead	0.3	Minimum 1 lb/sqft^2 Lead
Wall F	Patient exam room	Lead	0.7	Minimum 2 lb/sqft^2 Lead
Wall G	Storage room	Gypsum	19.1	Proposed 1.25 inches gypsum sufficient
Ceiling	Attic	Concrete	7.1	Existing 3.25 inch concrete acceptable
Floor	Full Occupancy	Concrete	30.1	Existing 3.25 inch concrete acceptable

		NRCP 147, Table 4.5	NRCP 147, Table 4.7	NRCP 147, Table 4.7
Acquisition Mode	**Workload (pt/wk)**	K p @ 1 m (3.28 ft) (mGy/pt)	K sec @ 1 m (3.28 ft) (mGy/pt)	K leak @ 1 m (3.28 ft) (mGy/pt)
RF (all Barriers)	60		0.9500	0.0034

6.0
0.0
0.0
0.0
0.0
0.8 0.444563871
0.3
1.2



Barrier	**Adjacent Space**	**Type**	**Occupancy (T)**	**Use Factor (U) (primary)**	**Distance (ft)**	**K_{tot} (mGy/wk)**	**K_{goal} [P] (mGy/wk)**	**Barrier material**	**Type**	**alpha**	**beta**	**gamma**	**Thickness (mm)**
Door A	Corridor	Controlled	0.20	0.00	18.6	0.32	0.10	Wood	S+L	0.01	0.00	1.24	153.15
Wall B	Control booth	Controlled	1.00	0.00	14.3	2.62	0.10	Lead	S+L	2.35	14.94	0.74	0.50
Wall C	Corridor	Uncontrolled	0.20	0.00	14.1	0.54	0.02	Lead	S+L	2.35	14.94	0.74	0.51
Wall D	Corridor	Uncontrolled	0.20	0.00	14.1	0.54	0.02	Lead	S+L	2.35	14.94	0.74	0.51
Door E	Corridor door	Uncontrolled	0.13	0.00	16.1	0.26	0.02	Lead	S+L	2.35	14.94	0.74	0.33
Wall F	Patient exam room	Uncontrolled	0.50	0.00	15.3	1.17	0.02	Lead	S+L	2.35	14.94	0.74	0.74
Wall G	Storage room	Uncontrolled	0.05	0.00	21.9	0.06	0.02	Gypsum	S+L	0.01	0.06	0.73	19.10
Ceiling	Attic	Uncontrolled	0.03	0.00	13.0	0.08	0.02	Concrete	S+L	0.04	0.16	0.04	7.08
Floor	Full Occupancy	Uncontrolled	1.00	0.00	10.7	4.51	0.02	Concrete	S+L	0.04	0.16	0.04	30.08

An uncontrolled area has a limit of 0.02 mGy/wk, a controlled area has a limit of 0.1 mGy/wk (NRCP Rpt 147)

Calculations are 0.3 m (1 ft) within an adjacent room unless a built-in object is indicated on the plans.

DX Use Factors of primary beam are from NRCP 147, Table 4.4; U=1 for secondary & leakage dose

UCD OR MODERNIZATION
SITE LOGISTICS PLAN
3/20/2025

Conex, break area and exterior laydown. Material delivery to occur here, no parking available here.
DUMPSTER LOCATION ALSO.

SESP Building 10 Project Site

Parking garage 5 construction parking on levels 2 to roof

Night shift entry point, card access

Night shift parking

Day shift entry point, card access

U St
V St
48th St
45th St
Denver Dr
X St
UC Davis Peds - 4
UC Davis Pathology Building
Pinnacle Chimney Sweeps
Staff and Visitor Parking Lot 4
Emergency Department Lot
Parking Lot 3
UC Davis Medical Ctr
UC Davis Pavilion Pharmacy
University of Ca Cancer Center
uc davis
FedEx Drop Box
Med Ed building
UC Davis School of Medicine
UC Davis Children's Hospital