

SECTION 01 11 00

SUMMARY OF THE WORK

PART I - GENERAL

1.01 SECTION INCLUDES

- A. Description of the Work
- B. **Contractor** Warrants
- C. Contract Document Intent and Relationships
- D. University Furnished/**Contractor** Installed Products
- E. University Furnished/University Installed Products
- F. Concurrent Work Under Separate Contracts
- G. Site Condition Survey and Protection of Existing Improvements
- H. **Contractor** Use of Site and Premises
- I. University Beneficial Occupancy (if applicable)
- J. Project Phasing (if applicable)

1.02 DESCRIPTION OF THE WORK

- A. Project is titled: UCDH ACC 0611 RAD CT SCANNER REPLACEMENT
- B. University Project No.: 9557730
- C. Project is located at 4860 Y Street, Sacramento CA 95817, UC Davis Health, Sacramento, California, as shown on the vicinity map.
- D. Project is renovation of the UCDH Ambulatory Care Center on the basement level to accommodate the installation of new GE CT scanner equipment in room 0611. Work under this contract includes but is not limited to:
 - 1. Removal of existing scanner equipment.
 - 2. Removal of existing RF shield wall system and flooring.
 - 3. Removal of existing walls, ceilings, doors, casework and floor finishes.
 - 4. Ground Floor: Above ceiling access for equipment support and plumbing installation.
 - 5. Modification to Structural, Mechanical, Plumbing, I.T., and Electrical systems to accommodate the new work.

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6. Install of new CT Scanner Equipment.
7. Installation of new casework.
8. Installation of new walls, doors, ceilings, and finishes.

Existing CT equipment removal and new CT equipment delivery will be performed on weekends. The Contractor is to provide all required manpower including electricians to support this work.

Replacement of the existing MRI trailer with a temporary CT trailer (prior to the work in Room# 0611), and restoration of the trailers to the original conditions (after the 1st patient date in RM# 0611), both activities shall be performed on weekends. The Contractor shall provide all required manpower including electricians to support this work.

The contractor is responsible to complete all Pre-Construction, Construction, and Pre-Equipment Delivery task that are listed in the CT Site Ready Check list. Refer to Appendix-1 at the end of this section.

- E. A description of areas, types of construction and general nature of the Work are described on drawing G000.
- F. Special Constraints and Criteria:
 1. Refer to Section 011400 Work Restrictions for dates and hours when the building is occupied and operational, and work-shift hour requirements and restrictions.
 2. Noise Mitigation shall be required when the building is occupied.
 3. Egress shall not be restricted or impacted unless scheduled when the building is not occupied.

1.03 CONTRACTOR WARRANTIES

- A. **Contractor** warrants that it is skilled and experienced in the use and interpretation of Contract Documents such as those included in the bid documents for this Contract. The **Contractor** further warrants that it has carefully reviewed the Contract Documents for this Work and has found them to be free of ambiguities and sufficient for bid purposes.
- B. **Contractor** warrants that it has inspected the Project Site and based on these observations, has satisfied itself as to the nature and location of the Work; and any special conditions likely to be encountered at the site which may affect the performance of the Work.
- C. **Contractor** warrants that its bid is based solely on the Contract Documents provided, its own observations, and written explanations and interpretations obtained from University's Representative and not on any explanation or interpretation, oral or written, from any other source.

1.04 CONTRACT DOCUMENT INTENT AND RELATIONSHIPS

- A. Contract Documents Intent: Provide all labor, material, equipment, tools, transportation, insurance, services, and all other requirements necessary to construct the project described in the Contract Documents.

- B. Relationship of Contract Documents: Drawings, Specifications and other Contract Documents in the Contract are intended to be complementary. What is required by one shall be as if required by all. What is shown or required, or may be reasonably inferred to be required, or which is usually and customarily provided for similar work, shall be included in the Work. For example, the drawings may not show every variation of an anchor clip that is required to support a curtain wall from its structural support; it can be reasonably inferred that variations of or additions to these clips are necessary to complete the installation of the working system and therefore all such clips are understood to be included in the Work.
- C. Discrepancies in Contract Documents: In the event of error, omission, ambiguity, or conflict in the Contract Documents, **Contractor** shall bring the matter to University's Representative's attention in a timely manner, for University's Consultant's determination and direction in accordance with provisions of the General Conditions of the Contract.
- D. Bidding and Contract requirements: Information for bidding, Conditions of the Contract and other Contract documents will be produced by University and may be included in the Contract Documents for convenience. Such documents are not Specifications. Specifications are found in Divisions 1 through 48 of the Contract, as listed in the Table of Contents of the Contract.
- E. Contract Drawings: The Drawings provided with and identified in the Contract are the Drawings referenced in the Agreement.
1. Drawings produced for this project may encompass Civil, Landscape, Architectural, Structural, HVAC, Plumbing, Piping, Fire Protection, and Electrical portions of the Work. Interior Design drawings may also be provided for product selection and installation information.
 2. The location, extent and configuration of the required construction and improvements are shown and noted on the Drawings. A list of Drawings is included in the Contract Documents.
 3. Drawings are arranged according to design discipline. Such organization and all references to trades, subcontractor, specialty contractor or supplier shall not control the **Contractor** in dividing the work among subcontractors or in establishing the extent of the work to be performed by any trade.
 4. Where the terms "as shown", "as indicated", "as noted", "as detailed", "as scheduled" or terms of like meaning, are used in the Drawings or Specifications, it shall be understood that reference is being made to the List of Drawings and the Specifications as bound in the Contract Documents.
 5. Where reference to the word "plans" is made anywhere in the Drawings, Specifications and related Contract Documents, it shall be understood to mean the Drawings listed in the List of Drawings.
- F. Contract Specifications: The Specifications provided as a part of the Contract Documents are the Specifications referenced in the Agreement.
1. The Specifications are organized by Division and Sections in accordance with recommended practice of the Construction Specifications Institute. Such organization shall not control the **Contractor** in dividing the work among subcontractors or in establishing the extent of the work to be performed by any trade.

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2. Specifications are included in the Contract, which also includes other Bidding and Contract Documents. Contents of the Contract are listed in the TABLE OF CONTENTS.
3. Information for bidding, Conditions of the Contract and other Contract documents will be produced by University. Such documents are not Specifications. Specifications are found in Division 1 through 48 of the Contract.

1.05 UNIVERSITY-FURNISHED, CONTRACTOR-INSTALLED (UFCI) PRODUCTS

- A. University-Furnished Products: University will furnish, for installation by **Contractor**, products which may be identified on the Drawing and in the Specifications as UFCI (University-Furnished/**Contractor**-Installed).
 1. Refer to the Plans and Specifications.
- B. Relationship to Work Under the Contract: Work under the Contract shall include all provisions necessary to fully incorporate such products into the Work, including, as necessary but not limited to: fasteners, backing, supports, piping, conduit, conductors, and other such provisions from point of service to point of connection, and field finishing, as shown on the Drawings and/or Specified herein. See Section 013100 - COORDINATION for additional requirements.

1.06 UNIVERSITY-FURNISHED, UNIVERSITY-INSTALLED (UFUI) PRODUCTS

- A. University-Furnished Products: University will furnish and install products which may be identified on the Drawing and in the Specifications as UFUI (University-Furnished/University-Installed).
- B. Relationship to Work Under the Contract: Work under the Contract shall include all provisions necessary to provide all rough-in requirements into the Work, including as necessary but not limited to fasteners, backing, supports, piping, conduit, conductors and other such provisions from point of service to point of connection, and field finishing, as shown on the Drawings and/or specified herein. See Section 013100 - COORDINATION for additional requirements.

1.07 CONCURRENT WORK UNDER SEPARATE CONTRACTS

Use this sub-Section only when conducting the build-out with separate contractors, such as Multiple Primes. Other examples of situations requiring this approach: Plant Operations & Maintenance (PO&M) to install casework they have built. IT department to install cabling, panelboards, etc. for its systems during the construction period.

- A. Work Under Separate Contracts: University will award separate contracts for the following work and other work as may be indicated on the Drawings as NIC (Not in Contract), including the following:
 1. Test and balance work.
 2. Water Chlorination Testing.

- B. Relationship to Work Under the Contract: Work under the Contract shall include all provisions necessary to make such concurrent work under separate contracts complete in every respect and fully functional, including field finishing. Provide necessary backing, supports, piping, conduit, conductors, and other such provisions from point of service to point of connection for additional requirements.
- C. Related Contract Documents: University will make available, in a timely manner, Contract Documents of work under separate contracts for coordination and further description of that work. Such drawings and other data required for the coordination of the work of separate contracts with the Work of this Contract may be included with the Contract Documents. If so, they are provided for convenience only and are not to be considered Contract Documents.

1.08 SITE CONDITION SURVEY & PROTECTION OF EXISTING IMPROVEMENTS

- A. Site Condition Survey: Prior to commencing work, the **Contractor**, University's Representative and other University representatives shall tour the Project site together to examine and record the existing condition of site, adjacent buildings, and improvements. This record shall serve as a basis for determination of damage (if any) due to the construction process. The record shall be signed by all parties participating in the tour.
- B. Protection of Existing Improvements: Locate all known existing utilities prior to proceeding with construction. Existing utilities shall be kept in service where possible and protected by the **Contractor** from damage. If any structure or utility is damaged, take immediate action to ensure the safety of persons and University property and effect repair. If previously undiscovered structures or utilities are encountered, request University's Representative to provide direction on how to proceed with the work. Cracks, sags or damage to adjacent structures or improvements not noted in the original survey shall be reported to University's Representative.
- C. University does not normally charge for its shutdown support services. However, if poor planning or execution of a shutdown by **Contractor** causes excessive time and effort for University, University reserves the right to back charge **Contractor** for additional work.

1.09 CONTRACTOR USE OF SITE AND PREMISES

- A. Site Access: Limit access to site as indicated on the drawings. If routes and access points are not indicated, access shall be as directed or approved by University's Representative.
- B. Hours of Operation: Construction activities are limited to the hours of 7:00 a.m. to 5:00 p.m., Monday through Friday. Prior University approval is required for **Contractor** construction work at any other time or day.
- C. Construction Limit: Limit construction activities to areas indicated on Drawings as Project Area or, if not indicated, to areas immediately adjacent to buildings and as necessary for immediate construction or utility services and sitework, See Section 015100 - TEMPORARY UTILITIES for additional requirements.
- D. Utility Outages and Shutdowns: Schedule utility outages and shutdowns to times and dates acceptable to University's Representative. Duration of outages and shutdowns shall not hinder University normal business operations. Provide fourteen (14) calendar days' notice of all utility outages and shutdowns.

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1.10 UNIVERSITY BENEFICIAL OCCUPANCY:

- A. The University will require beneficial occupancy in the ACC Basement Rooms: (CT Scanner 0611, Patient Prep. Room 0613A, CT Control and Staff Work Area 0613, and ACC Staff Toilet 0614) in order to attain CDPH Licensing and staff training for the new CT Scanner. All listed rooms shall be fully operational prior to the replacement of the trailers to the original conditions.

1.11 PROJECT PHASING

- A. **Phase - 1:** This phase shall be completed within two (2) weeks from the project Notice to Proceed (NTP). The work in this phase will include the removal of the existing MRI trailer and replacing it with a temporary CT Trailer by the University Vendor. The contractor shall provide the required Supervision, Structural, Electrical and IT activities to complete the work. The overall duration for Phase-1 activities will include one (1) week for CDPH licensing and other University activities.
- B. **Phase -2 :** This phase shall be completed within ten (10) months from the project NTP. The work in this phase shall start after the completion of Phase -1 and includes all the work related to occupy ACC Room 0611 CT. The overall duration for Phase-2 activities will include one (1) month for CDPH licensing activities and other University activities in CT room 0611.
- C. **Phase -3:** This phase shall be completed within one month from the 1st patient date in CT Room 0611. This phase shall start after the 1st patient date in the CT room 0611 and includes the removal of the temporary CT trailer and replacing it with an MRI trailer by the University vendor. The contractor shall provide the required Supervision, Structural, Electrical and IT activities to complete the work. The overall duration of Phase-3 shall include not less than two (2) weeks for CDPH licensing and other University activities.





PART II - PRODUCTS – Not Applicable to this Section

PART III - EXECUTION – Not applicable to this Section

END OF SECTION 01 11 00

Appendix – 1

ADDENDUM-1

CT Site Ready Checklist	Task	GE Healthcare	Customer / Contractor	Reference
Equipment Storage (If Applicable)	Sufficient & secured storage space is planned.	<input type="checkbox"/>		
	HVAC system installed and meets minimum environmental system requirements.	<input type="checkbox"/>		
	Customer / Contractor has obtained required permits. PMI has the appropriate permission to rig and deliver through the designated path.	<input type="checkbox"/>		
	Room and staging area that will receive the equipment are dust free. Precautions must be taken to prevent dust from entering room containing equipment.	<input type="checkbox"/> 		
	Delivery route from truck to room has been reviewed, all communications have occurred, arrangements made for special handling if needed.	<input type="checkbox"/>		
	Floor along delivery route will support weight of equipment, reinforcement arranged if needed.		Person responsible <input type="checkbox"/>	Pre-Installation Manual
Pre-Construction	Delivery route from truck to room has been reviewed, all communications have occurred, arrangements made for special handling if needed.	<input type="checkbox"/>		
	Floor along delivery route will support weight of equipment, reinforcement arranged if needed.		Person responsible <input type="checkbox"/>	Pre-Installation Manual
	Arrangements have been made for special handling of equipment if rigging, elevator, fork lift, etc. are required.	<input type="checkbox"/>		
	The site IT/connectivity contact information has been entered in MyProjects. Site IT is engaged and supplying any local network and remote connectivity information that is required.	<input type="checkbox"/>		
	Check for toilets (portable acceptable), washing facilities, area for food / drink breaks. Guidance 1 toilet for every 7 people.	<input type="checkbox"/>		
	GE and other employees can easily evacuate the area if the need arises and the exits are signed and clear from obstruction.	<input type="checkbox"/>		
Construction	Customer / Contractor has obtained required permits. PMI has the appropriate permission to rig and deliver through the designated path.	<input type="checkbox"/>		
	Ceiling support steelwork height, levelness and spacing has been measured, and is ready for the installation of any GE supplied components.	<input type="checkbox"/>		
	Cable ways are of correct length & size, warning lights and door switches (if applicable) are per GE PIM specifications and final drawing.	<input type="checkbox"/> 		
	HVAC must be installed and meet the minimum environmental requirements. The HVAC system must be operational by system turn on.		Person responsible <input type="checkbox"/>	Pre-Installation Manual
	All feeder wires and circuit breakers are sized appropriately and the emergency power off (EPO) button(s) installed.		Person responsible <input type="checkbox"/>	Pre-Installation Manual
	PMI to confirm with electrician all power and signal cables are well terminated ensuring there are no loose connections.	<input type="checkbox"/>		
	Lead doors and windows complete or scheduled before calibration phase. Radiation shielding finished & regulatory approval for installation obtained.	<input type="checkbox"/>		
	Customer / contractor has confirmed that the floor meets GE specifications for levelness and flatness.		Person responsible <input type="checkbox"/>	Pre-Installation Manual
Pre-Equipment Delivery	Room dimensions, including ceiling height, for all Exam, Equipment / Technical & Control rooms meets GE PIM specifications and final drawing.	<input type="checkbox"/>		
	Check the area of the installation. The floor is complete, no trailing cables, no obstructions, no surface water.	<input type="checkbox"/>		
	No adjacent ongoing / planned activities that may affect personnel safety.	<input type="checkbox"/>		
	No potential exposure to hazards or odors during installation.	<input type="checkbox"/>		
	Equipment must be in a clean environment where construction dust and debris are prevented from coming in contact with the equipment.	<input type="checkbox"/> 		
	A single source lockable electrical panel for GE equipment that can be locked from the outside. Lock Out Tag Out applied prior to commencing.	<input type="checkbox"/> 		
	Sufficient & secured storage space is planned with the customer.	<input type="checkbox"/>		
	PMI should confirm that threshold at room entry meets GE specifications in appropriate Pre-Installation Manual.	<input type="checkbox"/>		
	Ceiling has been completed, with the exception of removable tiles, which is at the GE Project Managers discretion.	<input type="checkbox"/>		
	Room lighting is adequate to install equipment in a safe and effective manner. Permanent lighting may not yet be available.	<input type="checkbox"/>		
	Countertops and / or tables are in place for equipment installation. Temporary tables of suitable size can be used to start installation.	<input type="checkbox"/>		
	System power & ground cabling provided from PDB / MDP to equipment per GE Pre-Installation Manual specifications and final drawings.	<input type="checkbox"/>		
	A power and grounding audit may be scheduled for all installations where power issues may be a concern.	<input type="checkbox"/>		
Network connection is active for equipment. Verified with site IT has provided the Connectivity information required and Remote Connectivity (Internet or VPN) will be available before install completion.	<input type="checkbox"/>			
Documents	Customer Documentation Portal - https://customer-doc.cloud.gehealthcare.com/#/cdp/dashboard			
	Search by Document Number and desired language			
	<u>Manual</u>	<u>Document Number</u>		
	Pre-Installation Manual			Refer to page 1 of drawing

Customer / Contractor CT Data Sheet						
HVAC						
Room	Temp (C or F)	Humidity %RH				
Exam Room						
Control Room						
Technical Room						
Floor Levelness and Flatness						
Measurement	Max (mm or in)	Min (mm or in)				
Equipment location area						
Connectivity						
Contacts	Name	Phone	Email			
Director/Lead Tech						
Network Admin						
PACS Admin						
Comments						
INSITE - REMOTE CONNECTIVITY						
Depending on product family and software revision, GE systems can be connected to the GE Back Office/Online Center for remote diagnostic, system health monitoring and to facilitate troubleshooting. To enable InSite remote service, Selecting One of the below options and providing the requested information is Required:						
<input type="checkbox"/> 1. TLS Internet Access TCP Port 443* - DNS Resolution (<i>Preferred – Please provide DNS in Network Info</i>)						
<input type="checkbox"/> 2. TLS Internet Access TCP Port 443* - Customer Provided Proxy						
Proxy IP		Port				
Username		Password				
*If firewall rules or exemptions are required for successful connectivity, add the following URLs to allow outbound TLS communication: <div style="text-align: center;"> https://insite.gehealthcare.com https://as1-insite.gehealthcare.com https://as2-insite.gehealthcare.com https://gehealthcare-ns.flexnetoperations.com https://download.flexnetoperations.com </div>						
<input type="checkbox"/> 3. Site-to-Site IPsec VPN (GEHC VPN Proxy) (<i>Requires Static IP</i>)						
NETWORKING - LOCAL CONNECTIVITY						
IP Information	IP Address*	Netmask*	Gateway*	Port#*	AE Title*	Notes
System 1						
System 2						
System 3						
System 4						
DNS Server 1		N/A	N/A	N/A	N/A	
DNS Server 2		N/A	N/A	N/A	N/A	
PACS and HIS/RIS						
PACS HIS/RIS INFO	IP Address *	Port#*	AE Title*	Notes		
PACS 1						
PACS 2						
HIS/RIS						
OTHER						
OTHER						
*Required Fields						