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Final Site Preparation Support Document

The equipment components shown in this drawing package are based on the current proposed purchase and are subject to change if modifications are made to the configuration.

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Project: Allura Biplane FD1010
Maine Medical Center
Portland, ME
Room 5

Philips Contacts: Project Manager: Wayne Ervin
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Project Details: Drawing Number: N-EAS091441 F
Date Drawn: 05/20/10
Order: 0502010731.001000
Drawn By: Jennifer Mabe

C1

Revision History

Rev.	Date	Revision Description	By
A	5/15/2010	Updated room layout to most recent architectural layout. Equipment racks relocated.	JM
B	5/11/2010	Matched drawing to new quote (1-FN9T5Z Rev. 10) - Multivision and EP rack added.	JM
C	5/24/2010	Revised drawing to match new quote (1-FN9T5Z Rev. 10) - Interventional Hardware, Multivision, and EP Boom removed.	JM
D	5/26/2010	Extra monitors shown in control and at nurses station in bottom right of exam room. 50kVA UPS shown per Project Manager request.	JM
E	7/2/2010	Created Preliminary Site Preparation Support Document. Median Ion location updated, equipment closet door swing reversed per UTS placement.	JM
F	7/26/2010	Verified drawing matched new order (0502010731.001000) - Multivision component removed, 50kVA UPS to remain.	JM

Table of Contents

Section A - Equipment Plan	
General Notes	AN
Equipment Legend	AL
Equipment Designation	A1
Equipment Details	AD1 - AD4
Transport Details	AD5 - AD6
Section B - Support Plan	
Support Notes	SN
Support Legend	SL
Support Plan - Floor & Wall	S1
Support Plan - Ceiling	S2
Support Details	SD1 - SD3
Section C - Electrical Plan	
Electrical Notes	EN
Electrical Legend	EL
Electrical Plan	E1
Electrical & Conduit Information	E2-E4
Electrical Details	ED1 - ED4
Remote Service Network	N1
Check List	CHK

Equipment Legend			
Symbol	Description	Weight (lbs)	Heat Load (Btu/hr)
A SP	Poly G Stand (Floor Version)	1921	1195 AD1
A MSA	Angio Diagnost 7	1690	375 AD1
A PBI	Larc CN Cardio	1877	853 AD1
A MS	Velara Generator 40E Cabinet	510	2971 AD2
A ZMG	Velara Generator 40E Cabinet	510	2971 AD2
A MP	Peripheral 40E Cabinet	510	2049 AD2
A ZMP	Peripheral 40E Cabinet	510	2049 AD2
A PBK	PDU 4000UPS	825	2450 AD2
A MA	Mains 40E Cabinet	828	5464 AD2
A CY	Viewing/Control	126	567 AD2
A DB	Documentation Box - Mounted on Wheels (Final location to be coordinated with customer and/or local Philips Service.)	176	-AD3
A ATY	Exam Room Auxiliary Box	7	1.7 AD3
A TV	Six LCD Monitor Suspension	665	1020 AD3
A MAV	Mavg Ceiling Track w/ Radiation Shield	167	350 AD4
D UPS	UPS Cabinet	1841	-AD4
D BC	Battery Cabinet	1566	-AD4
D UTS	Universal Transfer Switch	200	-AD4

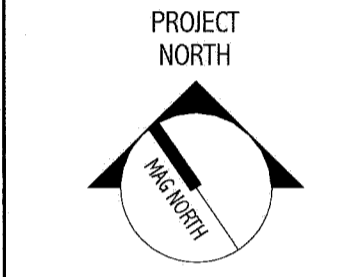
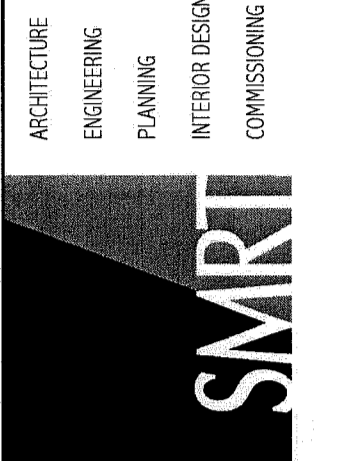
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AL



MAINE MEDICAL CENTER CATH. LAB #5
ISSUED FOR CONSTRUCTION
9.3.10

NO.	ISSUED FOR CONSTRUCTION	DATE	CURRENT ISSUE STATUS
10	ISSUED FOR CONSTRUCTION	9.3.10	DATE

GRAPHIC SCALE: 0" = 1"

SCALE: PROJECT MANAGER: KD
DRAWN BY: JC/DRAWN BY:
A/E OF RECORD: PROJECT NO: 10006-00
DATE: 9.3.10
SHEET TITLE: VENDOR EQUIPMENT DRAWINGS, SHEET 1
SHEET No. Q-001

NOTE: THIS DRAWING WAS NOT PREPARED BY SMRT. IT IS PROVIDED FOR COORDINATION AND REFERENCE PURPOSES ONLY

General Specifications

- Responsibility**
The customer shall be solely responsible, at its expense for preparation of site, including any required structural alterations. The site preparation shall be in accordance with plans and specifications provided by Philips. Compliance with all safety electrical and building codes relevant to the equipment and its installation is the sole responsibility of customer. The customer shall advise Philips of conditions at or near the site which could adversely affect the carrying out of the installation work and shall ensure that such conditions are corrected and that the site is fully prepared and available to Philips before the installation work is due to begin. The customer shall provide all necessary plumbing, carpentry work, or conduit wiring required to attach and install products ready for use.
- Permits**
Customer shall obtain all permits and licenses required by federal, state/provincial or local authorities in connection with the construction, installation and operation of the products and related rules, regulations, shall bear any expense in obtaining same or in complying with any ordinances and statutes.
- Radiation Protection**
The customer or his contractor, at his own expense, shall obtain the service of a licensed radiation physicist to specify radiation protection. (X-Ray Tube output 150 KVP max.)
- Asbestos and Other Toxic Substances**
Philips assumes no hazardous waste (i.e., PCB's in existing transformers) exists at the site. If any hazardous material is found, it shall be the sole responsibility of the customer to properly remove and dispose of this material at its expense. Any delays caused in the project for this special handling shall result in Philips time period for completion being extended by like period of time. Philips assumes that no asbestos material is involved in this project in any ceilings, walls or floors. If any asbestos material is found anywhere on the site, it shall be the customer's sole responsibility to properly remove and/or make safe this condition, at the customer's sole expense.
- Labor**
In the event local labor conditions make it impossible or undesirable to use Philips' regular employees for such installation and connection, such work shall be performed by laborers supplied by the customer, or by an independent contractor chosen by the customer at the customer's expense, and in such case, Philips agrees to furnish adequate engineering supervision for proper completion of the installation.
- Schedule**
The general contractor should provide Philips with a schedule of work to assist in the coordination of delivery of Philips supplied products which are to be installed by the contractor and delivery of the primary equipment.
- Extended Installation or Turnkey Work by Philips**
Any room preparation requirements for Philips equipment indicated on these drawings is the responsibility of the customer. If an extended installation or turnkey contract exists between Philips and the customer for room preparation work required by the equipment represented on these drawings, some of the responsibilities of the customer as depicted in these drawings may be assumed by Philips. In the event of a conflict between the work described in the turnkey contract workscope and these drawings, the turnkey contract workscope shall govern.

Minimum Site Preparation Requirements

- A smooth efficient installation is vital to Philips and their customers. Understanding what the minimum site preparation requirements are will help achieve this goal. The following list clearly defines the requirements which must be fulfilled before the installation can begin.
- Walls to be painted or covered, baseboards installed, floors to be tiled and/or covered, ceiling shall have grid tiles and lighting fixtures installed and operational.
 - Doors and windows, especially radiation protection barriers, installed and finished with locksets operational.
 - All electrical convenience, conduit, raceway, knockouts, cable openings, chase nipples, and junction boxes installed and operational.
 - Incoming main power operational and connected to room x-ray breaker.
 - 115v convenience outlets operational.
 - All support structure correctly installed. All channels, pipes, beams and/or other supporting devices should be level, parallel, and free of lateral or longitudinal movements.
 - All contractor supplied cables pulled and terminated.
 - A dust free environment in and around the procedure room.
 - All HVAC (heating, ventilating and air conditioning) installed and operational as per specifications.
 - Architectural features such as computer floor, wood floor, casework, bulkheads, installed and finished. When technical cabinets are installed in a closet with doors, it is suggested that the customer install a temperature alarm in the event of an air conditional failure.
 - All plumbing installed and finished.
 - Philips does not install or connect developing tanks, automatic processors or associated equipment, built in illuminators, cassette pass boxes, loading benches and cabinets, lead protective screens, panels or lead glass window and frame. This is to be done by the customer/contractor.
 - Clear door openings for moving equipment into the building must be 42" (1067mm) W x 82" (2083mm) H min. 48" (1219mm) W x 82" (2083mm) H rec. Or larger contingent on an 8'-0" (2438mm) corridor width.
 - Clear door openings for moving equipment into the building must be 42" (1067mm) W x 82" (2083mm) H min. 48" (1219mm) W x 82" (2083mm) H rec. Or larger contingent on an 8'-0" (2438mm) corridor width.
 - Countertop is 30" for sealed height and 36" for standing height.

Note: Once Philips has moved equipment into the suite and started the installation, the contractor shall schedule his work around the Philips installation team on site. It is suggested that a telephone be provided in the room to receive telephone calls. This would alleviate facility staff from answering calls for Philips personnel.

Remote Service Diagnostics
Medical imaging equipment to be installed by Philips Medical is equipped with a service diagnostic feature which allows for remote and on site service diagnostics. To establish this feature, a RJ45 type ethernet 10/100/1000 Mbit network connector must be installed as shown on plan. Access to customer's network via their remote access server is needed for Remote Service Network (RSN) connectivity. All cost with this feature are the responsibility of the customer.

HVAC Requirement for General Equipment Locations

Heating, ventilation, air conditioning requirement for general equipment locations must maintain temperature at 72° +/- 5° Fahrenheit (22° +/- 3° Celsius) and non-condensing relative humidity at 20% - 80% with 10% max. variation.

Equipment's designed airflow is from bottom to top and front to back. Please design the air handling in the rack cabinet equipment area accordingly.

Electrical Requirements Velara with PDU 4000

Power Output: 100KW
Supply Configuration: 3 phase, 3 wire power and ground, delta or wye
3 phase, 4 wire power with neutral + ground, wye
Nominal Line Voltage: 480 VAC, 60 Hz
Branch Power Requirement: 225 KVA
Circuit Breaker: 3 pole, 125 Amps

Remote Control of Room Lighting

The control of customer lighting must incorporate an electrical isolation system such as demonstrated on Sheet ED2. Lighting scheme is the responsibility of the customer.

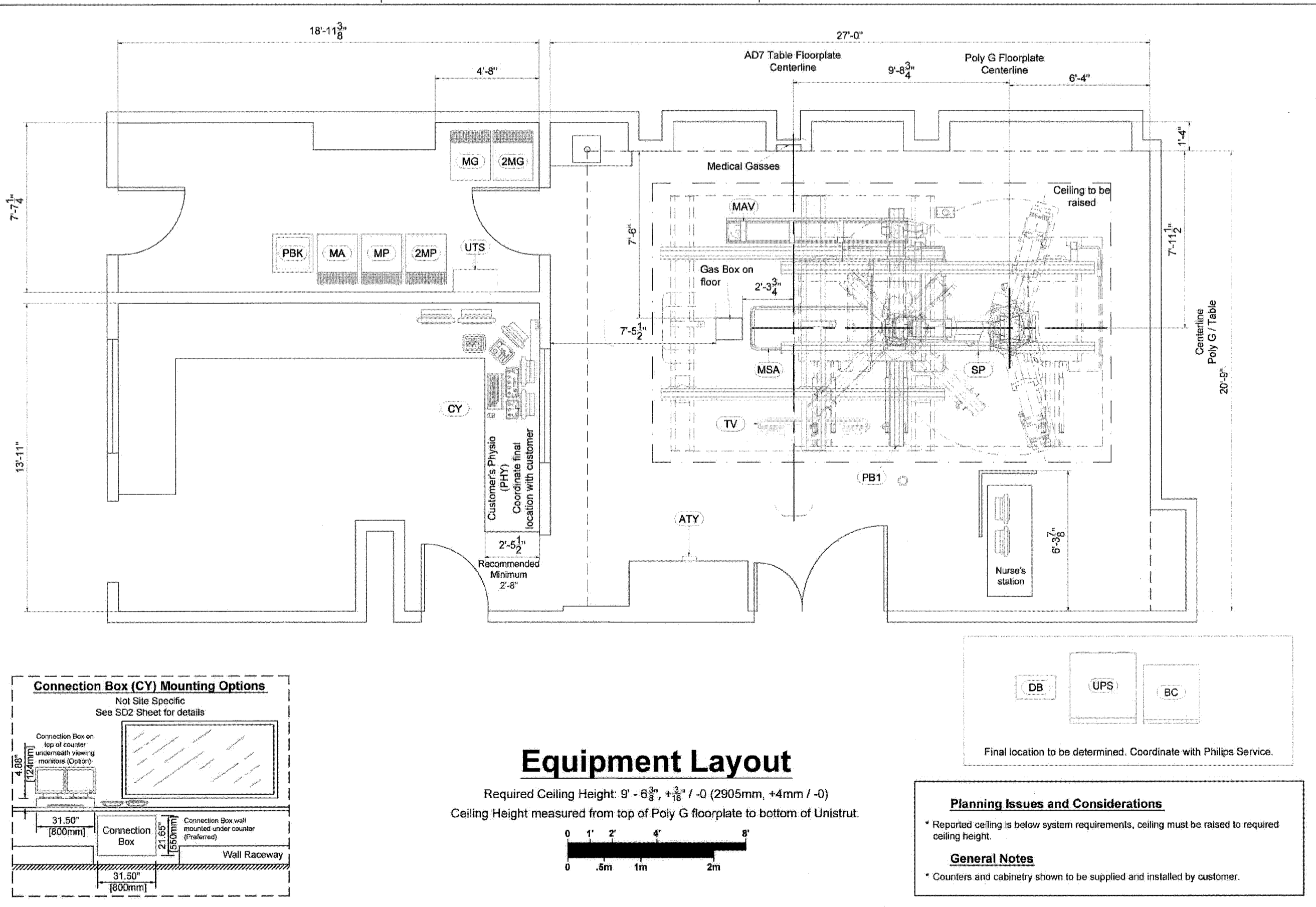
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