PHILIPS

Healthcare

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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.

Revision History

Note for Architects and/or Contractors: If revisions are listed, these drawings must be thoroughly reviewed so that all changes can be incorporated into your project.

Rev.	Date	Revision Descriptions.	By
A	10/13/2010	A1 - conformed to architect's updated background.	WK
B	11/4/2010	Completed Final Site Preparation Support Document.	WK

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PHILIPS

Project: Allura Biplane FD10/10, Maine Medical Center, Portland, ME - Cath Lab #6

Philips Contacts: Project Manager: Wayne Erwin; Contact Number: (207) 851-5548; Email: wayne.erwin@philips.com; Drawn By: Kim, Woohee

Project Details: Drawing Number N:EAS1011154B; Date Drawn: 11-4-2010; Quote: 1-PD8E05 Rev 12; Order:8600107978,3011060

C1

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General Specifications

1. 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.

2. 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.

3. 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.)

4. 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.

5. 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.

6. 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.

7. 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.

(00.0)

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.

1. 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.

2. Doors and windows, especially radiation protection barriers, installed and finished with locksets operational.

3. All electrical convenience, conduit, raceway, knockouts, cable openings, chase nipples, and junction boxes installed and operational.

4. Incoming mains power operational and connected to room x-ray breaker.

5. 115v convenience outlets operational.

6. 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.

7. All contractor supplied cables pulled and terminated.

8. A dust-free environment in and around the procedure room.

9. All HVAC (heating, ventilating and air conditioning) installed and operational as per specifications.

10. 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.

11. All plumbing installed and finished.

12. 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.

13. 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.

14. Counter/top is 30" for seated 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.

(03.0)

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.

(10.0)

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

(10.0)

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.

(08.1)

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AN

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Equipment Legend

A. Furnished and installed by Philips
B. Furnished by customer/contractor and installed by customer/contractor
C. Installed by customer/contractor
D. Furnished by Philips and installed by contractor
E. Existing
F. Future
G. Optional item furnished by Philips

	Equipment Designation	Description	Weight (lbs)	Heat Load (Btu/hr)	Detail Sheet
A	SP	Poly G Stand (Floor Version)	1921	1195	AD1
A	MSA	Anglo Diagnost 7	1693	375	AD1
A	PB1	Lanc CN Cardio	1877	853	AD1
A	MG	Velara Generator 40E Cabinet	510	2971	AD2
A	2MG	Velara Generator 40E Cabinet	510	2971	AD2
A	MP	Peripherial 40E Cabinet	510	2049	AD2
A	2MP	Peripherial 40E Cabinet	510	2049	AD2
A	PBK	PDU 4000/UPS	860	2450	AD2
A	MA	Mains 40E Cabinet	710	4439	AD2
A	CY	Viewing/Control	126	557	AD2
A	DB	Documentation Box - Mounted on Wheels (Final location to be coordinated with custimer 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	Mavig Ceiling Track w/ Radiation Shield	167	350	AD4
A	VB1	Video Connection Box	2	-	AD3
D	UPS	UPS Cabinet	1941	16778	AD3
D	BC	Battery Cabinet	1595		AD3
D	UTS	Universal Transfer Switch	200	-	AD3

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AL

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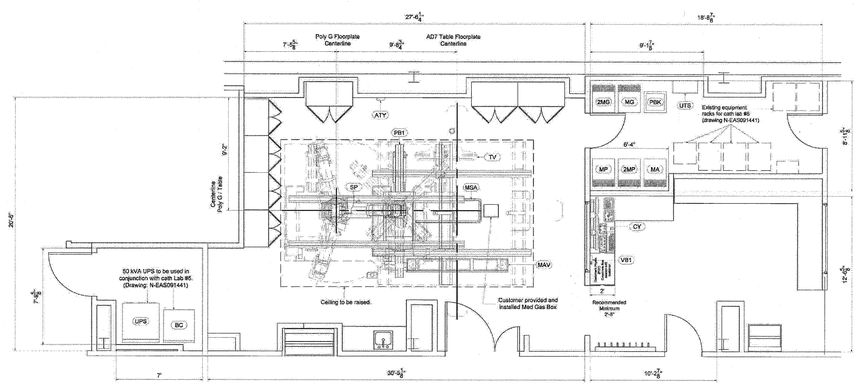
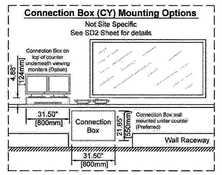


Connection Box (CY) Mounting Options

Not Site Specific
See SD2 Sheet for details



Equipment Layout

Required Ceiling Height: 9' - 6 3/8", +3/16" / -0 (2905mm, +4mm / -0)
Ceiling Height measured from top of Poly G floorplate to bottom of Unistrut.

0 9" 2' 4' 6'
0 .5m 1m 2m

DB

Exact location to be coordinated by Customer and local Philips service.

General Notes

* Counters and cabinetry shown to be supplied and installed by customer.

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A1

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PROJECT NORTH

MAINE MEDICAL CENTER
CATH. LAB # 6
PORTLAND, ME

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