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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	6/21/2010	Final Site Preparation Support Document:: Added electrical and support details to drawing package. Added latest Order 6600068083.001000..	JPG

Table of Contents

Section A - Equipment Plan
- General Notes ---- AN
- Equipment Plan ---- A1
- Ceiling Height Details ---- A2
- Equipment Details ---- AD1 - AD3
- Transport Information ---- AD4

Section S - Support Plan
- Support Notes ---- SN
- Support Plan - Floor & Wall ---- S1
- Support Plan - Ceiling ---- S2
- Support Details ---- SD1 - SD2

Section E - Electrical Plan
- Electrical Notes ---- EN
- Electrical Legend ---- EL
- Electrical Plan ---- E1
- Raceway & Conduit Information ---- E2
- Electrical Details ---- ED1 - ED2

Section N - Network Plan
- Remote Service Network ---- N1

Check List ---- CHK

Project
EasyDiagnost Eleva
Maine Medical Center
Portland, ME
- Room 6

Philips Contacts
Project Manager: Wayne Erwin
Contact Number: 207-651-5545
Email: wayne.erwin@philips.com

Drawn By: JP Gabrielian

Project Details
Drawing Number
N-EAS100611A
Date Drawn: 6/21/2010
Quote: 1-PSTLER.Rev.6
Order:6600068083.001000

C1

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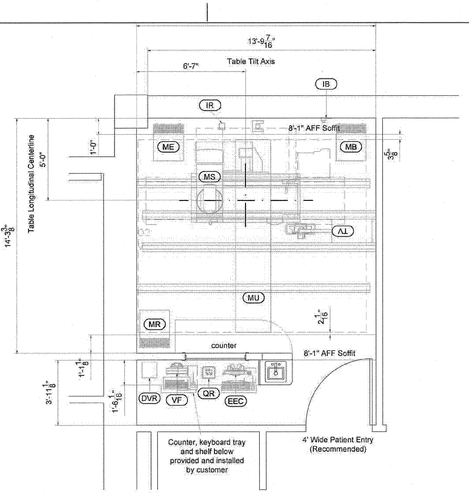

Equipment Layout

Recommended Ceiling Height: 9' - 1" (tube arm up) / 10' - 4" (tube arm down)
Other ceiling heights may be acceptable,
see Ceiling Height Guide - Sheet A2

Reported Existing Ceiling Height: 8'-11"

Ceiling heights (from top of floorplate to bottom of Unistrut) other than recommended may impact equipment functionality; consult with Philips.

0 1' 2' 4' 8'
0 .5m 1m 2m

Equipment Legend

Item Type:
A Furnished and installed by Philips
B Furnished 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

Item Type	Equipment Designation	Description	Weight (lbs)	Heat Load (btu/hr)	Detail Sheet
A	MS	EasyDiagnost Eleva	3044	2047	AD1
A	MU	CS 4 Tube Crane	922	1297	AD1
A	TV	One LCD Monitor Suspension (Hamburg)	500	272	AD2
A	ME	Velara 80 Generator Cabinet (40E Rack)	521	1536	AD2
A	MR	EasyDiagnost R Rack (40E Rack)	213	1024	AD2
A	MB	Digital Imaging Control Cabinet (40E Rack)	454	3757	AD2
A	VF	View Forum Workstation - 18" LCD Monitor - Keyboard & Mouse - APC Smart UPS 1400 (on shelf under counter) - CPU (on shelf under counter)	146	1000	AD2
A	IB	Indication Box	2	34	AD3
A	IR	Infra Red Reciever	1	3	AD3
A	QR	Quick Review Console	3	7	AD3
A	EEC	Eleva Examination Control Economy - Eleva Examination Control - Acquisition Workspot (on shelf under counter) - Keyboard and Mouse	51	635	AD3
A	DVR	DVD Recorder	9	102	AD3

Site Planning Issues and Considerations

* Relationship of control area to table will not allow full view of patient when the table is tilted upright.

Notes to Philips Field Personnel

* Verify exact location and configuration of existing Unistrut and electricals with local Philips service for re-use.
* Part of the existing floor raceway must be filled in order to provide adequate support for the Easy Diagnost table.
* * Transverse carriage to be shortened by 1'-8", (0'-10" at the front and 0'-10" at the rear)

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A1

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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)

HVAC Requirement for General Equipment Locations

Heating, ventilation, air conditioning requirement for general equipment locations must maintain temperature at 75° +/- 11° Fahrenheit (24° +/- 6° Celsius) and non-condensing relative humidity at 47%, +/- 28%.

(06.1)

Electrical Requirements
Veiara 65/80

Supply Configuration: 3 phase, 3 wire power & ground, Delta or wye
3 phase, 4 wire power with neutral & ground, wye

Nominal Line Voltage: 400, 440, 460 or 480 VAC, 60 Hz

Branch Power Requirement: 167 KVA

Circuit Breaker to ME (CB1): 3 pole, 100 amperes (@ 480V)
Circuit Breaker to MR (CB2): 3 pole, 30 amperes (@ 480V)

(08.0)

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. BTUs shown on sheet A1 are average heat capacity.

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. Refer to Transport Information page for clear door openings and corridor widths.

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.

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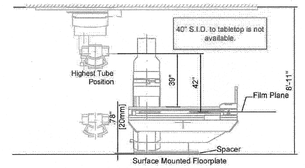
Ceiling Height Guide for Easy Diagnost Eleva (10.0)

Not Site Specific

8'-7" to 9'-6":	Order tube arm up.
9'-6" to 9' - 11"*	If customer priority is tube coverage at upper range of Wall Bucky movement or 40" S.I.D. to table, order tube arm up. If customer priority is tube coverage at lower range of Wall Bucky movement, order tube arm down.
9'-11" to 10'-4":	Order tube arm down

* Ceiling height lower than 8'-7" will have compromised function and is generally not recommended.
* Ceiling height between 9'-1" and 10'-4" may limit tube extension towards floor or make 40" S.I.D. to table film plane unavailable.



Ceiling Height Scenario with Tube Arm Up

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144 Fore Street/P.O. Box 618
Portland, Maine 04104
tel. (207) 772-3846
fax. (207) 772-3370
www.smrtinc.com

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8.24.10

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