

PHILIPS

Healthcare
www.healthcare.philips.com

Preliminary Site Preparation Support Document

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

Revision History		
Rev.	Date	By
A	02/20/2010	JPG
Final Site Preparation Support Document. Added electrical and support details to drawing package. Added latest OA#680008095 001000		

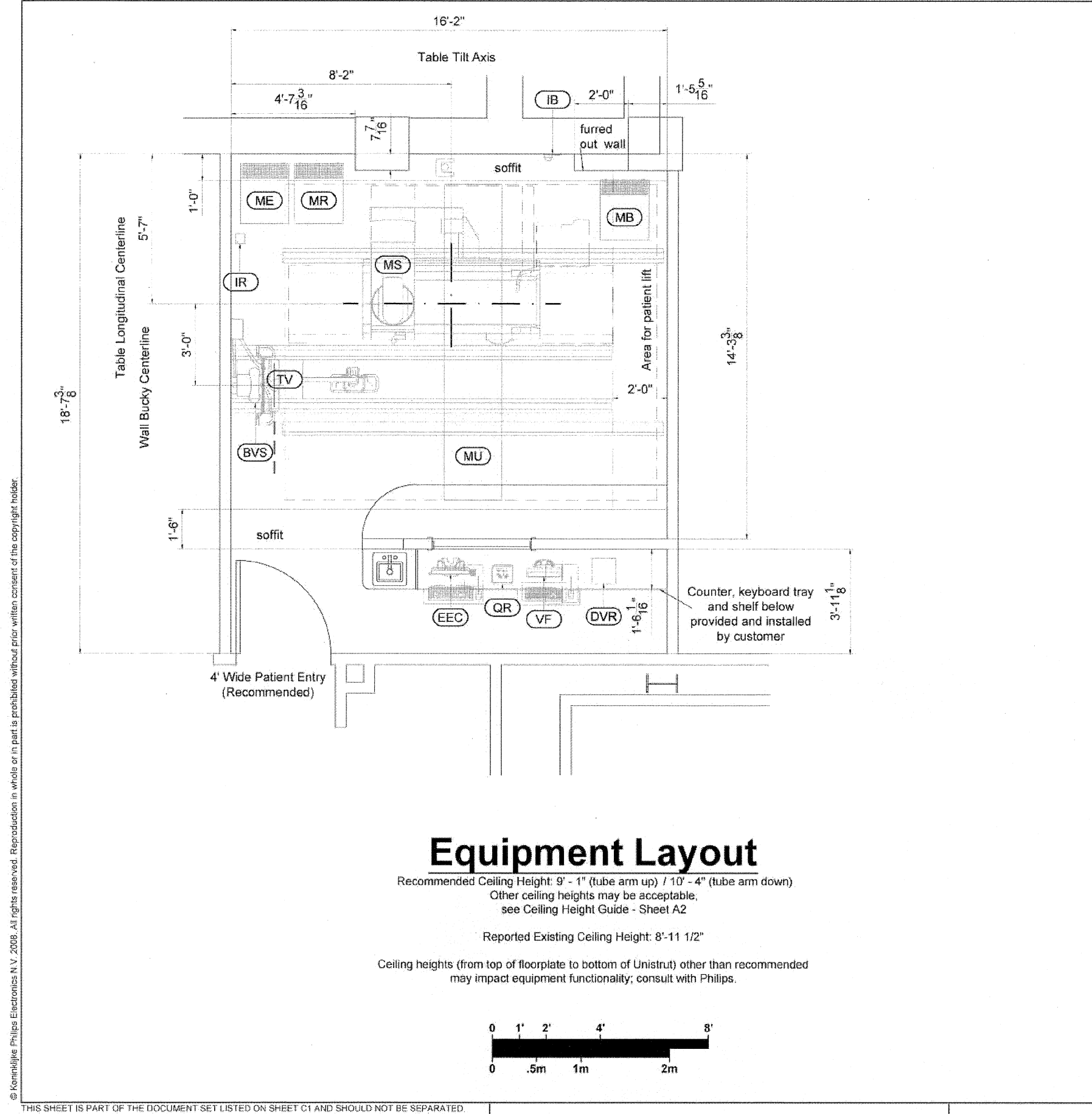
Table of Contents		
Section A - Equipment Plan		
General Notes	AN	
Equipment Plan	A1	
Ceiling Height Details	A2	
Equipment Details	AD1 - AD3	
Transport Information	AD4	
Section S - Support Plan		
Support Notes	SN	
Support Plan - Floor & Wall	S1	
Support Plan - Ceiling	S2	
Support Details	SD1 - SD2	
Section 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
Client: Maine Medical Center
Location: Portland, ME
Room: 5

Philips Contacts:
Project Manager: Wayne Erwin
Contact Number: 207-651-0545
Email: wayne.erwin@philips.com

Project Details:
Drawing Number: N-EAS100812A
Date Drawn: 02/10/10
Date Issued: 02/10/10
Drawing By: JP, Gabevalles
Drawing Check By: JP, Gabevalles

C1



Equipment Legend			
Equipment Designation	Description	Weight (lbs)	Heat Load (btu/hr)
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 - Keyboard & Mouse - APC Smart UPS 1400 (on shelf under counter) - CPU (on shelf under counter)	146	1000 AD2
A BVS	Bucky Diagnost VS Advanced (Left)	438	546 AD3
A IB	Indication Box	2	34 AD3
A IR	Infra Red Receiver	1	3 AD3
A CR	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

- Reported existing ceiling height is lower than the recommended minimum. See sheet A2.
- Placement of monitor suspension will limit tube coverage at the head end of the table.
- Notes to Philips Field Personnel!
 - Transverse carriage to be shortened by 1'-8" (0'-10" at the front and 0'-10" at the rear)
 - Longer cables must be ordered from "MR" to control area. (60')
 - Med gasses need to be relocated.

Project: EasyDiagnost Eleva
Client: Maine Medical Center
Location: Portland, ME
Room: 5

Philips Contacts:
Project Manager: Wayne Erwin
Contact Number: 207-651-0545
Email: wayne.erwin@philips.com

Project Details:
Drawing Number: N-EAS100812A
Date Drawn: 02/10/10
Date Issued: 02/10/10
Drawing By: JP, Gabevalles
Drawing Check By: JP, Gabevalles

A1

144 Pine Street, Box 618
Portland, Maine 04104
Tel: (207) 772-3846
Fax: (207) 772-1070
www.philips.com

ARCHITECTURE
ENGINEERING
PLANNING
INTERIOR DESIGN
COMMISSIONING

SMRT

PROJECT NORTH

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. (K-Rack 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. (00.0)

HVAC Requirement for General Equipment Locations

Heating, ventilation, air conditioning requirement for general equipment locations must maintain temperature at 75° +/- 1° Fahrenheit (24° +/- 0.5° Celsius) and non-condensing relative humidity at 47%, +/- 20%.

Electrical Requirements

Velara 85/80

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)

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 and lighting fixtures installed and operational.
- Doors and windows, especially radiation protection barriers, installed and finished with locksets operational.
- All electrical convenience, conduit, runways, knockouts, cable openings, chase nipples, and junction boxes installed and operational.
- Incoming mains 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.
- All contractor equipment in and around the procedure room.
- All HVAC (heating, ventilating and air conditioning) installed and operational as per specifications. (RTUs shown on sheet A1 are average heat capacity)
- Architectural features such as computer floor, wood floor, casework, built-ins, 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 conditioning 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.
- Refer to Transport Information page for clear door openings and corridor widths.

Notes:
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.

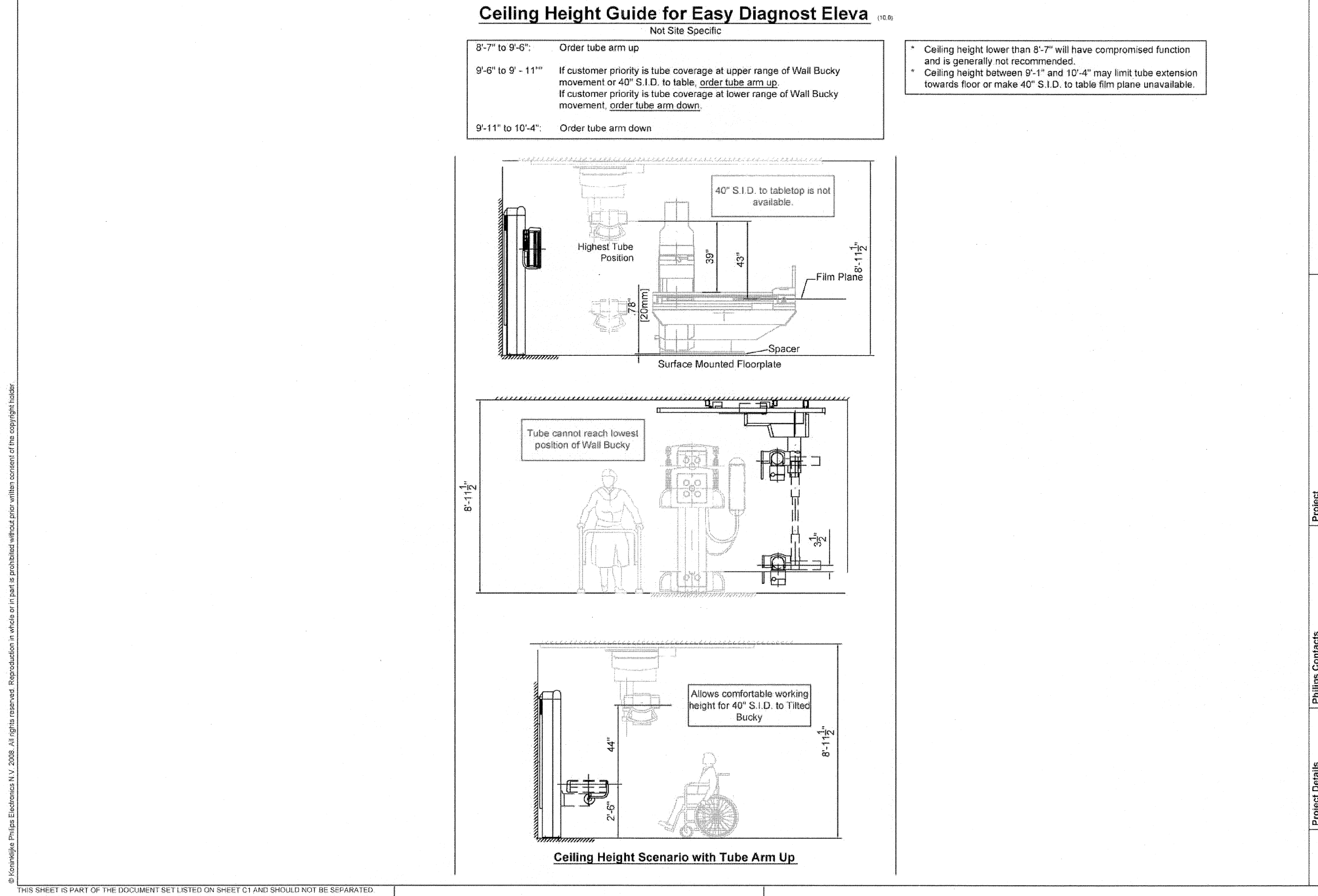
Remote Service Diagnostics
Medical imaging equipment to be installed by Philips Medical is equipped with a service diagnostic feature which allows for remote and on site service diagnostics. To establish this feature, a RJ45 type feature 10/100/1000 Mbit network connector must be installed as shown on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

Project: EasyDiagnost Eleva
Client: Maine Medical Center
Location: Portland, ME
Room: 5

Philips Contacts:
Project Manager: Wayne Erwin
Contact Number: 207-651-0545
Email: wayne.erwin@philips.com

Project Details:
Drawing Number: N-EAS100812A
Date Drawn: 02/10/10
Date Issued: 02/10/10
Drawing By: JP, Gabevalles
Drawing Check By: JP, Gabevalles

AN



Project: EasyDiagnost Eleva
Client: Maine Medical Center
Location: Portland, ME
Room: 5

Philips Contacts:
Project Manager: Wayne Erwin
Contact Number: 207-651-0545
Email: wayne.erwin@philips.com

Project Details:
Drawing Number: N-EAS100812A
Date Drawn: 02/10/10
Date Issued: 02/10/10
Drawing By: JP, Gabevalles
Drawing Check By: JP, Gabevalles

A2

Bramhall Radiology
FLUORO RENOVATIONS
PORTLAND, ME

ISSUED FOR CONSTRUCTION
8.24.10

CURRENT ISSUE STATUS:

REV	DATE	DESCRIPTION
0	8.24.10	ISSUED FOR CONSTRUCTION

GRAPHIC SCALE: 0' 1'

SCALE: PROJECT MANAGER: DIV
DRAWN BY: DIV
DATE OF RECORD: 09/22/02
PROJECT NO: 0922-02
DATE: 8.24.10

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.