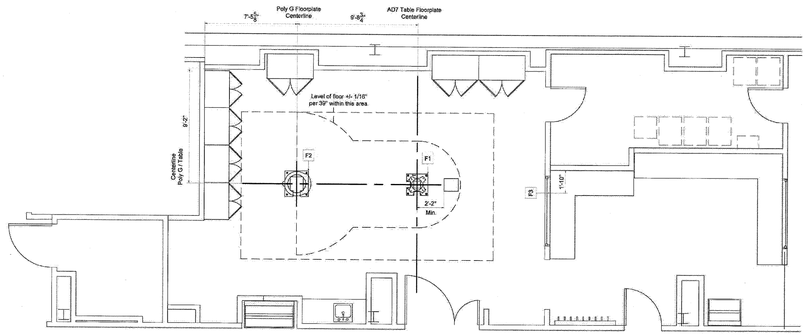

Floor & Wall Support Layout

Required Ceiling Height: 9' - 6$\frac{3}{8}$", +$\frac{5}{16}$" / -0 (2905mm, +4mm / -0)

Ceiling Height measured from top of Poly G floorplate to bottom of Unistrut.

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

Refer to Floor/Wall Support Legend - Sheet SL

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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) 851-0546
Email: wayne.erwin@philips.com
Drawn By: Kim. Woshee

Project Details
Drawing Number
N-EAS1011548
Date Drawn: 111-4-2010
Quote: 1-PO8E05 Rev 12
Order:(8900)107976,001000

S1

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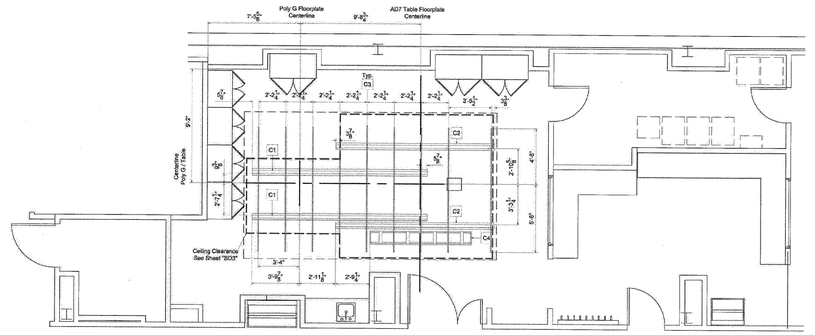

Ceiling Support Layout

Required Ceiling Height: 9' - 6$\frac{3}{8}$", +$\frac{5}{16}$" / -0 (2905mm, +4mm / -0)

Ceiling Height measured from top of Poly G floorplate to bottom of Unistrut.

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

Refer to Ceiling Support Legend - Sheet SL

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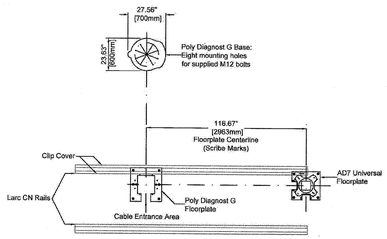
Detail - Floor Structural Allura Biplane FD10/10



Floorplates supplied by Philips / installed by customer.
Counterbored holes are sized for $\frac{3}{4}$" anchors per Seismic requirements.

Poly Diagnost G (Floor Version)
Floorplate to Floor Bolt Forces:
(Tension) Tmax = 1950 lbs/bolt
(Shear) Vmax = 776 lbs/bolt

AD7 Table
Floorplate to Floor Bolt Forces:
(Tension) Tmax = 1950 lbs/bolt
(Shear) Vmax = 776 lbs/bolt

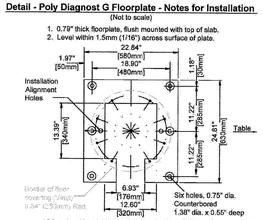
F1 F2

(07.0)

Detail - Poly Diagnost G Floorplate - Notes for Installation

(Not to scale)

1. 0.79" thick floorplate, flush mounted with top of slab.
2. Level within 1.5mm (1/16") across surface of plate.



* Orientation of floorplate to AD7 Table may be rotated 180° for cable entrance on opposite side. **Cannot be rotated 90°.**

Floorplate mounting to the building:
In case threaded rods are used, the nut may protrude above the floorplate surface.
DO NOT GRIND DOWN THE NUT, use the procedure stated below.

1. Use Jam nuts M16 (h=8.0 mm) or 5/8" (h=8.5 mm).
2. Use only 1 washer.
3. Use loctite 243 /valand of a lock washer.
4. Use fastening torque wrench between 40 and 50 Nm.

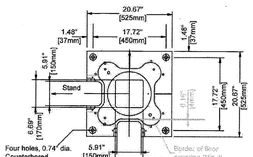
F2

(08.0)

Detail - AD7 Universal Floorplate - Notes for Installation

(Not to scale)

1. 1.18" thick floorplate, flush mounted with top of slab.
2. Level within 1.5mm (1/16") across surface of plate.



Floorplate mounting to the building:
In case threaded rods are used, the nut may protrude above the floorplate surface.
DO NOT GRIND DOWN THE NUT, use the procedure stated below.

1. Use Jam nuts M16 (h=8.0 mm) or 5/8" (h=8.5 mm)
2. Use only 1 washer.
3. Use loctite 243 /valand of a lock washer.
4. Use fastening torque wrench between 40 and 50 Nm.

F1

(08.0)

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SD1

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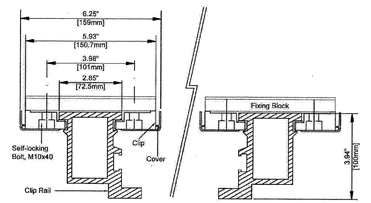
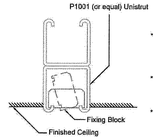
Detail - Clip Rail Cross-Section

(Not to scale)

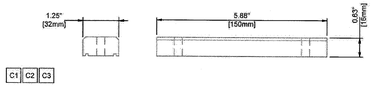


Detail - Fixing Block for Philips Ceiling Rails (Clip Rails)

(Not to scale)



* Philips does not specify the overhead equipment support structure. Unistrut (or equal) may or may not be used. If Unistrut are used, it is up to Unistrut and the structural engineer for the project to determine which of it's products are appropriate for each project.
* Finished ceiling must **NOT** be lower than the bottom of the Unistrut in order to prevent damage to the finished ceiling during the installation of clip rails.
* Nothing shall be attached to the Unistrut with any fastener that protrudes into the unistrut which would interfere with positioning of the fixing block.
* Fixing blocks for Philips ceiling rails (Clip rails) are designed to be installed in P1001 Unistrut.
* The inside of the Unistrut must be *clear of obstructions* (including paint).
* Unistrut elements must be rigid and comply with the ceiling structure requirements. See SN sheet, line #4 "Ceiling Support Apparatus".
* Finished ceiling height to be mounted 1/4" above bottom of Unistrut.

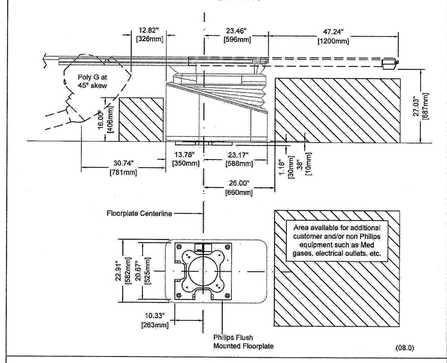


C1 C2 C3

(08.1)

Detail - Poly G Floor / AD7 Table, Fixed/Pivot Base - Clearance Area

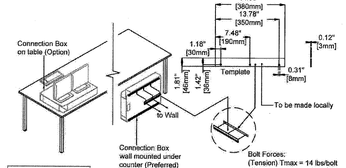
(Not to scale)



(08.0)

Detail - Connection Box Mounting Options

(Not to scale)



F3

Connection Box Weight:
66 lbs (30kg)

Notes:
Connection box needs to be electrically isolated from building steel.
Locate box within 6.5' (2 M) of the review module and monitors.

(08.0)

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PROJECT NORTH

MAGNETIC NORTH

MAINE MEDICAL CENTER
CATH. LAB # 6
PORTLAND, ME

ISSUED FOR CONSTRUCTION
12.21.10

CURRENT ISSUE STATUS:

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	12.21.10

GRAPHIC SCALE: 0" 1"

SCALE:
PROJECT MANAGER: KO
JCDRAWN BY:
A/E OF RECORD:
PROJECT NO: 10112-00
DATE: 9.3.10

SHEET TITLE:
VENDOR EQUIPMENT DRAWINGS, SHEET 4

SHEET No.
Q-004

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