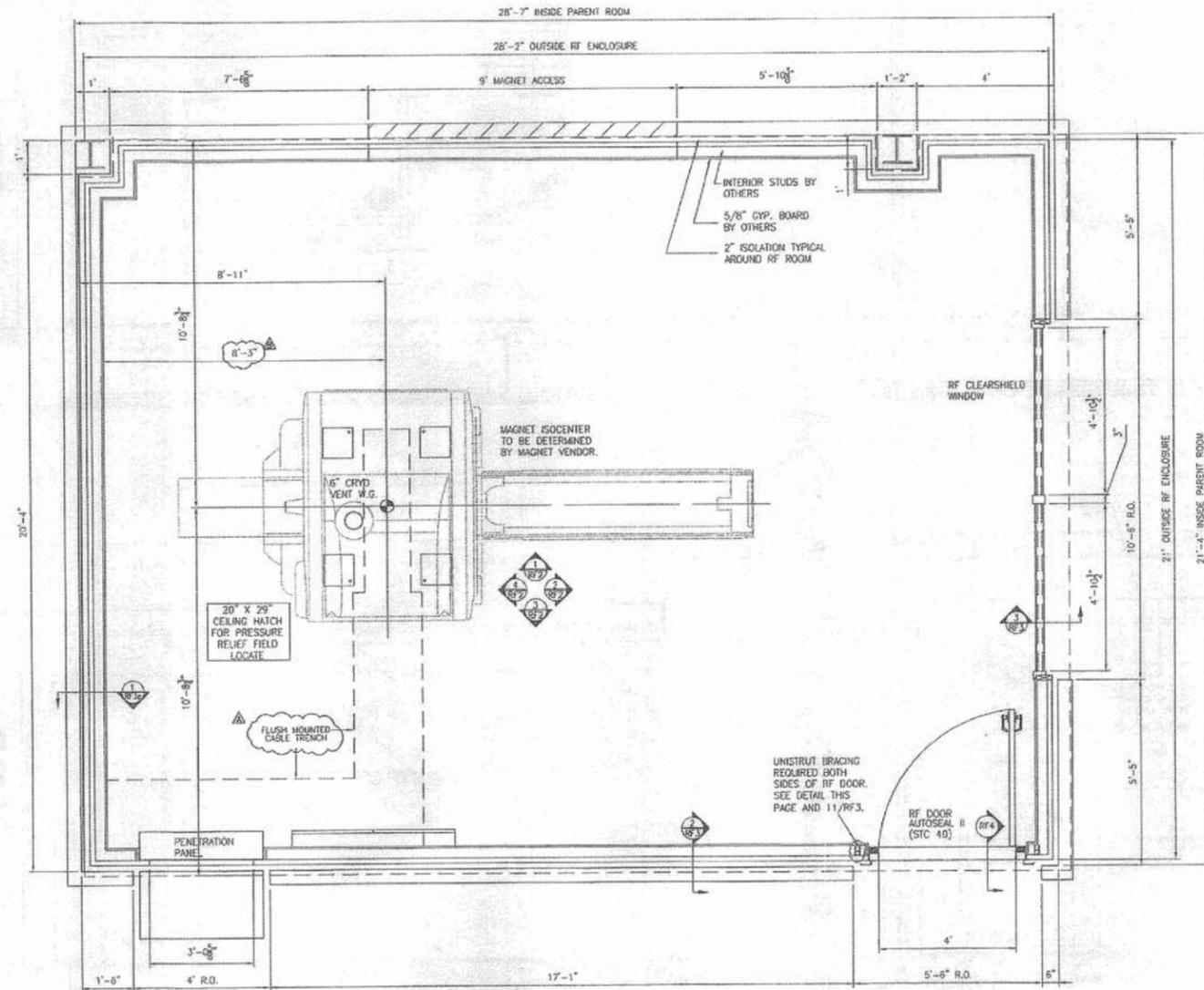
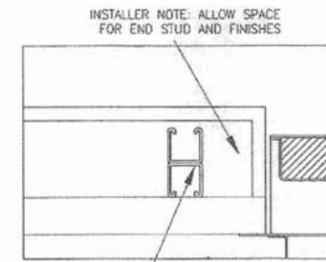


- NOTES:
1. GC TO FIELD VERIFY ALL PARENT ROOM DIMENSIONS.
 2. FINAL R.O. FOR PENETRATION PANEL TO BE COORDINATED WITH MAGNET VENDOR DRAWINGS.
 3. 20" x 29" CEILING HATCH IS FOR PRESSURE RELIEF AND ACCESS ABOVE SHIELD. NO DUCTWORK IS ATTACHED TO THIS ITEM.



Toshiba room: This is a shop drawing of the existing shielding system. This is not intended to show new work.



P1001T UNISTRUT INSTALLED BOTH SIDES OF RF DOOR. ETS-LINDGREN TO SUPPLY AND INSTALL SUPPORTS. SEE 11/RF3

INSTALLERS NOTE:
MAGNET ANCHORS, PADS, BRACKETS AND CRYOGEN VENT LOCATIONS TO BE LOCATED WITH ON SITE VENDOR DRAWINGS FROM THE G.C.

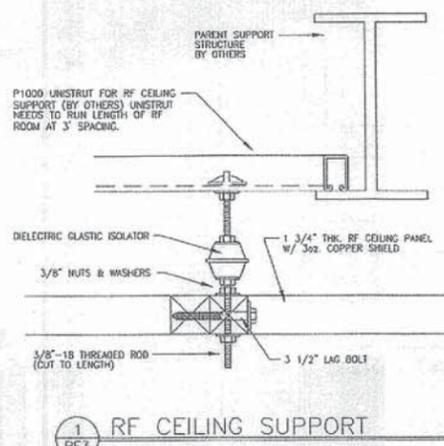
ETS-LINDGREN
An ESCO Company
Blanca Hill • 7032 Glen Drive • Maywood, NJ 07448
763.962.8522 • 1-833-838-8323 • Fax
Chicago Office: 435 1/2 S. Green Street • Chicago, Illinois, U.S.A. 60607
Philadelphia Office: 215-261-2374 • Fax

FLOOR PLAN
SHEET TITLE
The accuracy of the information contained herein is the responsibility of the user. ETS-LINDGREN is not responsible for errors or omissions. The user shall verify all dimensions and conditions before construction. ETS-LINDGREN shall not be held responsible for any damage or injury resulting from the use of this information.

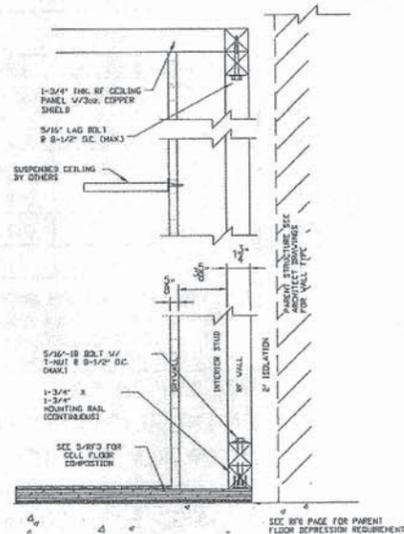
REVISIONS
B 4/19/11 (NEP) UPDATED MAGNET TO TITAN
A 3/24/11 (NEP) ADDED TRENCH DETAIL
REV. DATE DESCRIPTION

PROJECT TITLE
VA MEDICAL CENTER
TOSHIBA 1.5T TITAN
ADDRESS
VA MEDICAL CENTER
10701 EAST BOULEVARD
CLEVELAND, OH 44106

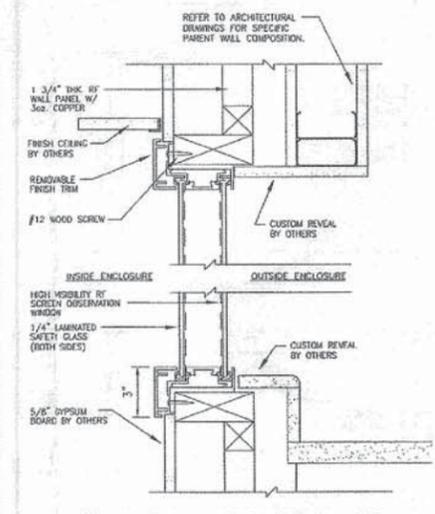
DRAWN BY: JMS
CHECKED BY:
DATE: 4/24/09
SCALE:
JOB NO: 33618A
REV: B
Drawing No: RF1



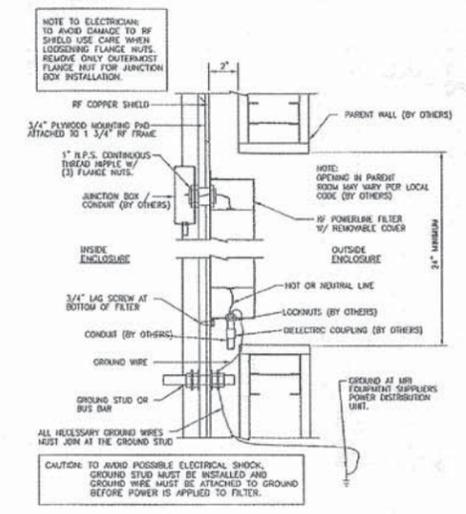
1 RF CEILING SUPPORT



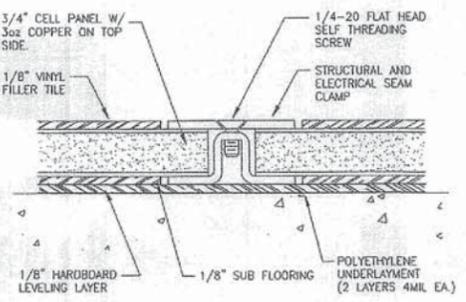
2 WALL SECTION



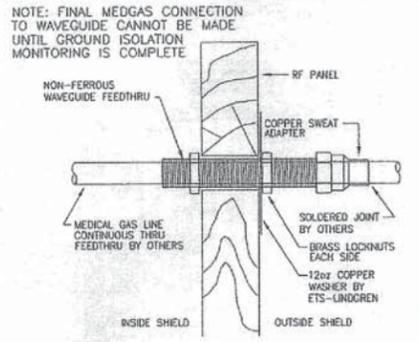
3 CLEARSHIELD RF WINDOW CONTROL ROOM



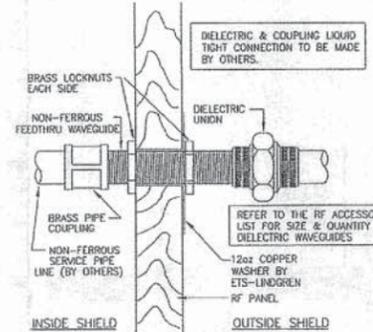
4 RF POWERLINE FILTER



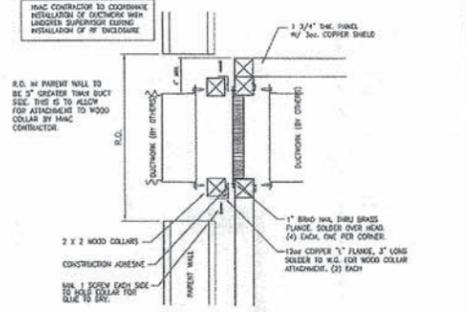
5 FLOOR DETAIL



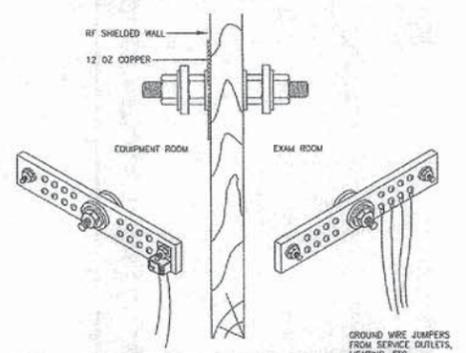
6 MEDGAS PENETRATION DETAIL



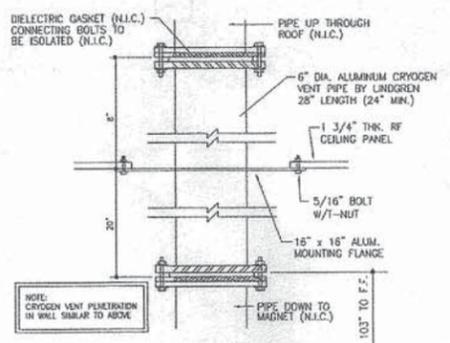
7 DIELECTRIC WAVEGUIDE



8 AIRVENT WAVEGUIDE WALL PENETRATIONS



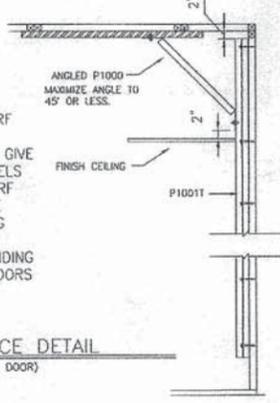
9 GROUND BUSBAR DETAIL



10 CROGEN VENT DETAIL

NOTE:
THIS DETAIL APPLIES TO ALL RF DOORS ATTACHED TO THE RF SHIELD. THIS IS REQUIRED TO GIVE SUPPORT TO THE SHIELD PANELS DUE TO THE WEIGHT OF THE RF DOORS. IF THESE BRACES ARE REMOVED THE DOOR SHIELDING EFFECTIVENESS WILL BE COMPROMISED, THEREFORE VOIDING ANY WARRANTY ON THE RF DOORS AND THE RF SHIELD.

11 DOOR BRACE DETAIL (BOTH SIDES OF RF DOOR)



ACCESSORIES LIST			
QTY	DESCRIPTION	REMARKS	REF.
1	23" x 52" OPENING	INTERFACE PANEL	
1	6" CRYOGEN VENT	HELIUM VENTING	10/RF3
1	GROUNDING BUS BAR	SINGLE POINT GROUND	9/RF3
3	0-30AMP 2LINE PWR FILTER	LIGHTING/OUTLETS	4/RF3
1	0-30AMP 2LINE PWR FILTER	EPO	4/RF3
2	1AMP 2LINE PWR FILTER	SPARE	4/RF3
3	1/2" WAVEGUIDE FEEDTHRU	MEDGAS	6/RF3
1	3/4" WAVEGUIDE FEEDTHRU	VACUUM	6/RF3
1	1 1/2" WAVEGUIDE FEEDTHRU	SPRINKLER	7/RF3
5	2" WAVEGUIDE FEEDTHRU	PENETRATION PANEL	7/RF3
1	1 1/2" WAVEGUIDE FEEDTHRU	15" LONG O2 SENSOR	4/RF3g
	" x " W.G. AIRVENT	HVAC	8/RF3
	" x " W.G. AIRVENT	HVAC	8/RF3

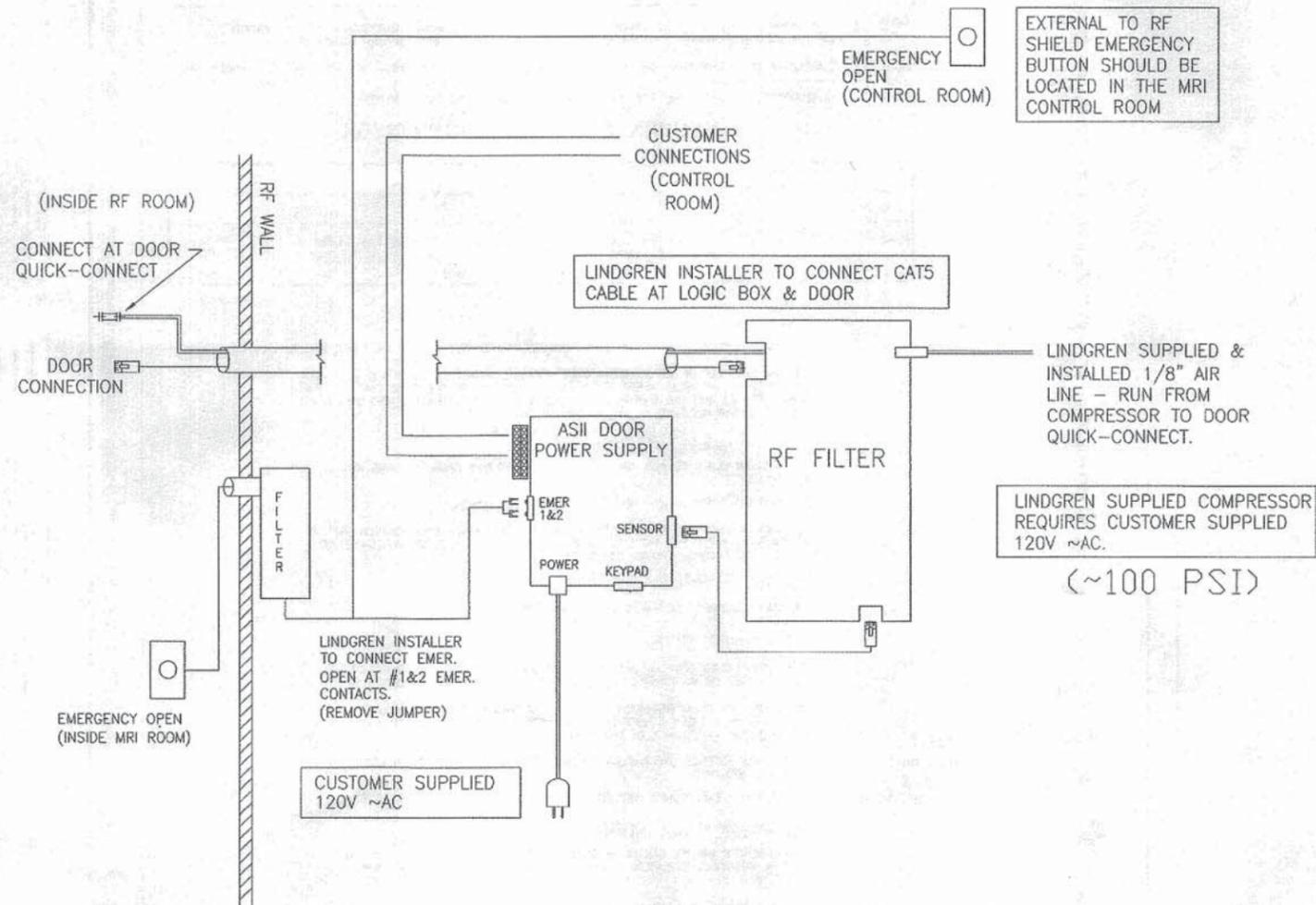
ETS-LINDGREN
An ESCO Company
Manufacturing Office: 7910 Elm Drive • Menasha, WI 54952
765.590.3002 • 765.592.2103 • Fax
Chicago Office: 11000 Green Boulevard • Chicago Heights, IL 60440
408.807.1200 • 408.377.1371 • Fax

DETAILS

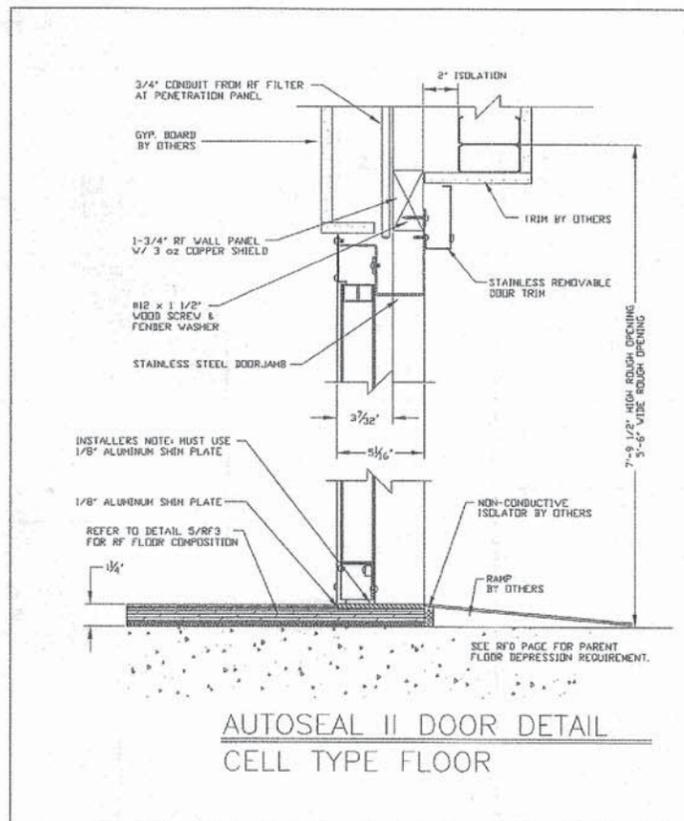
PROJECT TITLE: VA MEDICAL CENTER TOSHIBA 1.5T TITAN
ADDRESS: VA MEDICAL CENTER 10701 EAST BOULEVARD CLEVELAND, OH 44106
DATE: 4/24/09
SCALE: AS SHOWN
JOB NO: 33618A BOX: B
DRAWING NO: RF3

Toshiba room: This is a shop drawing of the existing shielding system. This is not intended to show new work.

**AUTOSEAL 2 INSWING
ELECTRICAL CONNECTIONS.**



Toshiba room: This is a shop drawing of the existing shielding system. This is not intended to show new work.



ETS-LINDGREN
An ESCO Company

1350 Old Dixie Hwy., Suite 100, Blacksburg, VA 24060
Tel: 540-538-1100 • Fax: 540-538-1101

100 High Cross Boulevard • Danville, Virginia, VA 24040
Tel: 800-367-3300 • Fax: 800-367-3301

AUTOSEAL DOOR

REVISIONS

REV	DATE	DESCRIPTION
A	3/24/11	(NEP) ADDED TRENCH DETAIL
B	4/7/11	(NEP) UPDATED MAGNET TO TITAN

PROJECT TITLE:
**VA MEDICAL CENTER
TOSHIBA 1.5T TITAN**

ADDRESS:
VA MEDICAL CENTER
10701 EAST BOULEVARD
CLEVELAND, OH 44116

DRAWN BY: JMS

CHECKED BY: JMS

DATE: 4/24/09

SCALE:

JOB NO: 33618A

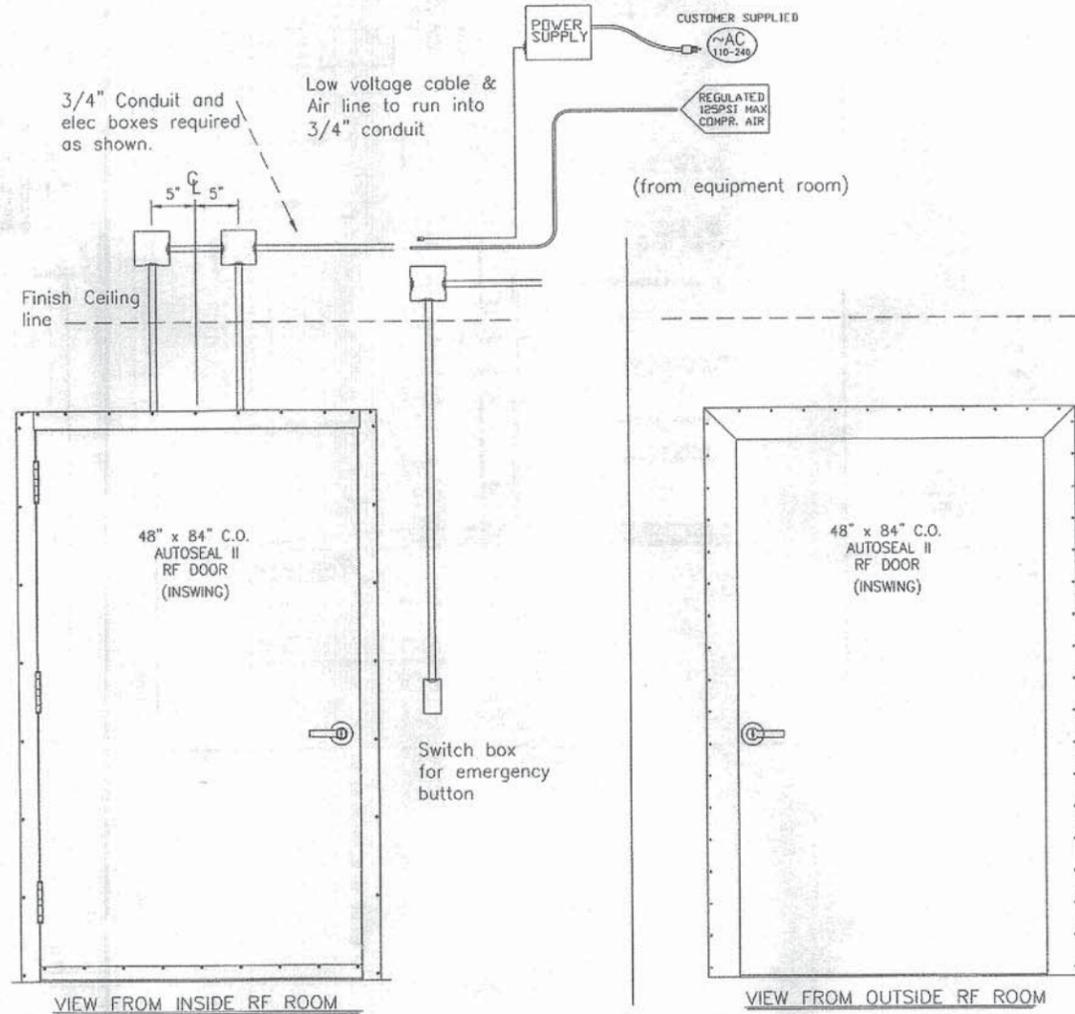
REV: B

DRAWING NO: RF4

AUTOSEAL 2 INSWING CONDUIT CONNECTIONS.

NOTE: CUSTOMER TO SUPPLY AND INSTALL
CONDUIT FOR CAT5 CABLE & AIR LINE.

NOTE: DOOR LOGIC BOX MUST BE LOCATED IN THE
EQUIPMENT ROOM AT THE PENETRATION PANEL.



(REVERSE FOR LEFT HAND SWING)
INSWING DOOR INSTALLATION GUIDE

Toshiba room: This is a shop
drawing of the existing
shielding system. This is not
intended to show new work.

AUTO SEAL RF DOOR CUSTOMER SUPPLIED UTILITY ITEMS

ELECTRICAL ITEMS			
POWER SUPPLY			
POWER	SUPPLY TO:	LOCATION	METHOD
110-240 VAC 45W	Door power supply	Filler panel	Outlet
117vac 13Amp	Compressor	As required	Outlet

- NOTE 1: Compressor needs to be located in an area that is easily accessible for servicing, I.E. Equipment room. Please refer to Users Guide for further information.
- NOTE 2: Customer is responsible for locating and mounting compressor at time of RF installation.
- NOTE 3: Customer is responsible for 110 volt outlet at compressor location.

LINDGREN SUPPLIED COMPRESSOR

AIR COMPRESSOR					
SUPPLIER	MODEL	SIZE	WEIGHT	NOTES	
PUMA	LA-5706	24"L x 13"W x 17"H	28 Lbs.	Warranty: 1 yr. Limited	

DOOR SYSTEM

KEEP STAINLESS STEEL JAMB AND THRESHOLD CLEAN AND FREE OF WAX OR FLOOR POLISH.

USE THE FINE SIDE OF AN ALUMINUM OXIDE ABRASIVE SPONGE TO CLEAN THE JAMB AND THRESHOLD IN THE AREAS WHERE THE DOOR SEAL MAKES CONTACT. SAND ONLY THE THREE JAMB SURFACES AND THE THRESHOLD. IT IS ONLY NECESSARY TO CLEAN AND BRIGHTEN THE SURFACE. GENERALLY SAND IN THE LENGTH DIRECTION.

DO NOT SAND THE DOOR SEAL!

USE A CLEAN CLOTH TO WIPE OFF THE PARTICLES AND DIRT FROM THE JAMB AND THRESHOLD.

FOR OPTIMUM PERFORMANCE, REPEAT THIS PROCEDURE MONTHLY.

THE DOOR MECHANISM AND PERIMETER SEALS ARE MAINTENANCE FREE. CAUTION SHOULD BE TAKEN TO NOT CLOSE THE DOOR WITH OBSTRUCTIONS ACROSS THE THRESHOLD OR IN THE DOOR OPENING. (POWER CORDS, ETC...)

POWER SUPPLY SYSTEM

THE POWER SUPPLY SYSTEM IS MAINTENANCE FREE.

AIR COMPRESSOR

CUSTOMER SHOULD COMPLETE WARRANTY REGISTRATION AND SEND TO MANUFACTURER. NOTE: NUMBER ON WARRANTY REGISTRATION MUST MATCH NUMBER ON COMPRESSOR.

DRAIN MOISTURE FROM DISPENSER REGULARLY. RECOMMEND TO LOCATE COMPRESSOR NEAR A DRAIN AND RUN A HOSE FROM THE DISPENSER TO THE DRAIN TO AVOID WEEKLY DRAIN MAINTENANCE OF DISPENSER.

BLOW DOWN RECEIVER (AIR TANK) AT LEAST ONCE A WEEK. CLOSE DRAIN COCK TIGHTLY AFTERWARDS.

LINDGREN R.F. ENCLOSURES, INC. TEL. (630) 307-7200 FAX (630) 307-7571

EMERGENCY AIR SUPPLY

A COMPRESSOR FAILURE CAN BE TEMPORARILY REPLACED BY A PORTABLE AIR TANK UNTIL A WARRANTED REPLACEMENT CAN BE SENT. CONTACT LINDGREN FOR THIS PROCEDURE.

ALTERNATE COMPRESSOR

IF YOU HAVE SUPPLIED YOUR OWN COMPRESSOR, FOLLOW THE MANUFACTURERS RECOMMENDED MAINTENANCE PROCEDURES.

HANDLE HARDWARE

SCHLAGE LEVER HANDLE WITH US-260 FINISH.

ETS LINDGREN
AN ESCO COMPANY
1900 Ohio Drive • Shreveport, LA 70508
707.543.2121 • 707.543.2123 • FAX
400 High Cross Boulevard • Gresham Heights, IL 60139
630.307.7000 • 630.307.7511 - FAX

AUTOSEAL DOOR
FOR LINDGREN R.F. ENCLOSURES, INC. THE COMPANY IS NOT RESPONSIBLE FOR THE INSTALLATION OF THE DOOR SYSTEM. THE CUSTOMER IS RESPONSIBLE FOR THE PROPER INSTALLATION OF THE DOOR SYSTEM. THE CUSTOMER IS RESPONSIBLE FOR THE PROPER MAINTENANCE OF THE DOOR SYSTEM. THE CUSTOMER IS RESPONSIBLE FOR THE PROPER LOCATION OF THE DOOR SYSTEM. THE CUSTOMER IS RESPONSIBLE FOR THE PROPER OPERATION OF THE DOOR SYSTEM.

REVISIONS
REV. NO. DATE DESCRIPTION
A 1/24/11 (NEP) ADDED TRENCH DETAIL
B 4/18/11 (NEP) UPDATED MAGNET TO TITAN

PROJECT TITLE
VA MEDICAL CENTER
TOSHIBA T-5T TITAN
ADDRESS
VA MEDICAL CENTER
10701 EAST BOULEVARD
CLEVELAND, OH 44106

DRAWN BY: JMS
CHECKED BY:
DATE: 4/24/09
SCALE:
JOB NO: 33618A
REV: B
DRAWING NO: RF5