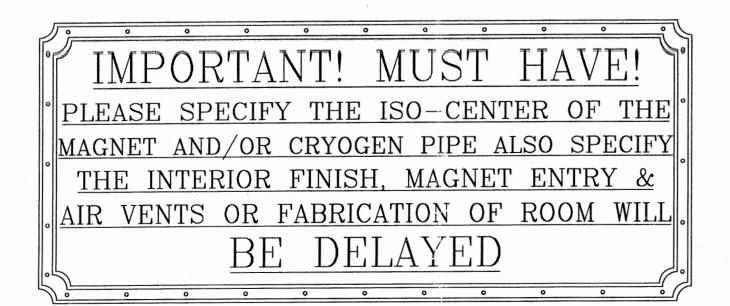


# CUSTOMER:

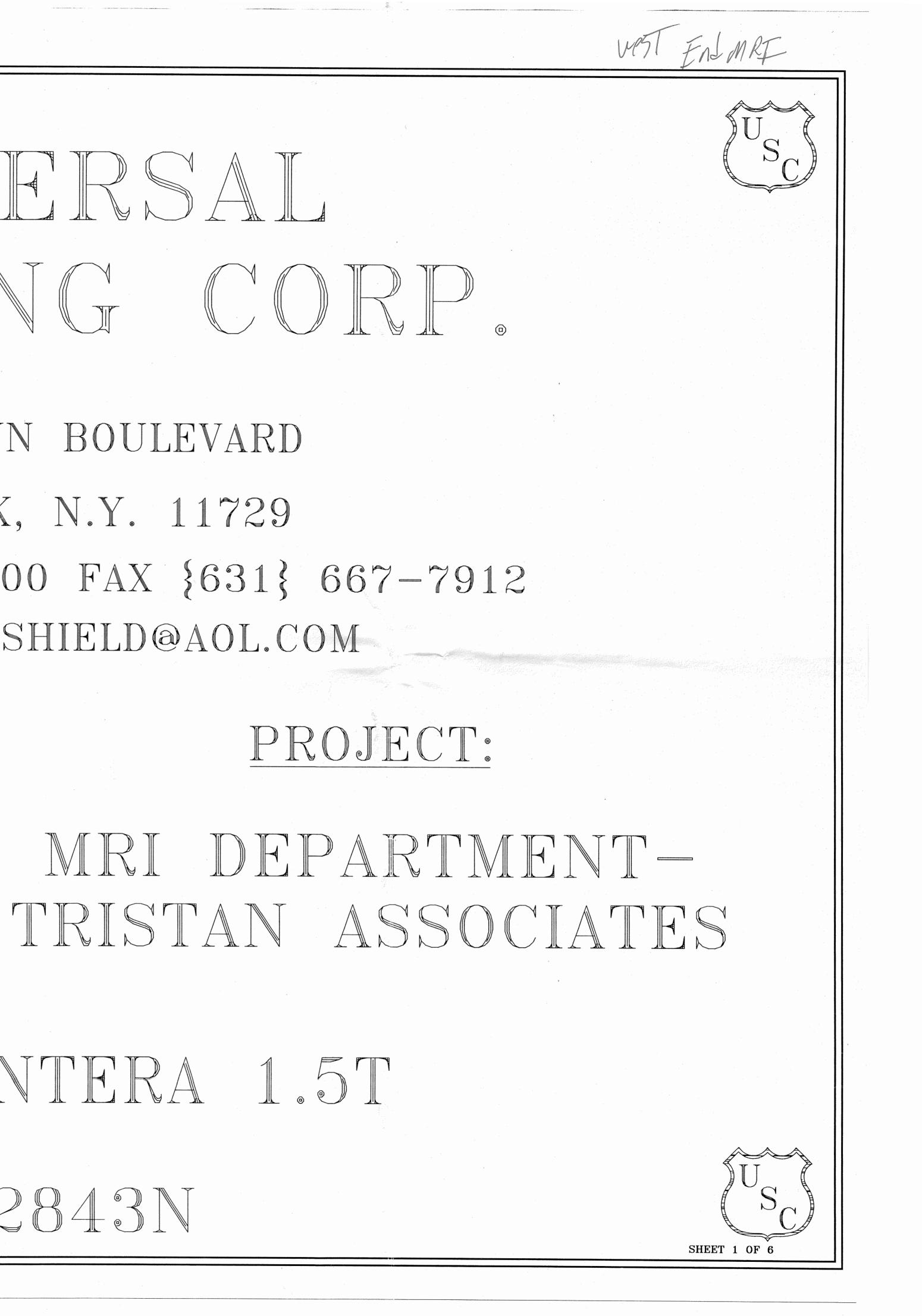
TRISTAN ASSOCIATES





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PHILIPS INTERA 1.5T USC = 12843N



## GENERAL NOTES

- ALL OUTSIDE DIMENSIONS {OD} ARE TO THE EXTERIOR WALLS AND/OR CEILING OF THE RF ENCLOSURE.
- 2. PARENT ROOM FLOOR MUST BE FLAT AND LEVEL WITHIN 1/4" EVERY 10'-0" {NON-ACCUMULATIVE} NOT BY UNIVERSAL SHIELDING CORP.
- 3. A SLAB DEPRESSION OF 1 13/16" IS REQUIRED TO ACHIEVE A SILL LEVEL WITH ADJACENT ROOM OR HALLWAY FLOOR FINISH. NOT BY UNIVERSAL SHIELDING CORP.
- 4. PARENT ROOM FLOOR MUST BE FREE OF ANY OBSTRUCTIONS!
- 5. TO INSURE AGAINST GROUNDING, A 2" MINIMUM CLEARANCE IS REQUIRED BETWEEN RF ENCLOSURE AND BUILDING CONSTRUCTIONS.
- 6. LOCATION OF ISO CENTER SHALL NOT BE DETERMINED BY UNIVERSAL SHIELDING CORP.
- FINAL FABRICATION CANNOT BE COMPLETED UNTIL DRAWINGS ARE APPROVED!
- 8. THE RF ENCLOSURE CEILING SYSTEM IS TYPICALLY SUPPORTED BY PARENT ROOM OVERHEAD CONSTRUCTION WITH THE USE OF DIELECTRICALLY ISOLATED, ADJUSTABLE HANGERS. THE RF CEILING LOADS ARE APPROXIMATELY 5.5 LBS PER SQ. FT EXCLUSIVE OF INTERIOR SUSPENDED CEILINGS, LIGHTING AND DUCTWORK. IT IS THE RESPONSIBILITY OF THE OWNER TO INSURE THAT THE OVERHEAD CONSTRUCTION WILL ADEQUATELY SUPPORT THE RF ENCLOSURE CEILING.
- 9. THE CUSTOMER OR CONTRACTOR MUST PROVIDE A CLEAN, DRY STAGING AREA FOR LAYOUT AND STORAGE OF RF ROOM COMPONENTS AS CLOSE AS POSSIBLE TO THE RF ENCLOSURE INSTALLATION SITE.
- 10. UNIVERSAL SHIELDING CORP. INSTALLATION CREWS SHALL REQUIRE A MINIMUM OF TWO {2} SERVICE CONNECTIONS FOR DROP CORDS. {117VAC, 20 AMP}.
- 11. THE CONTRACTOR/OWNER TO PROVIDE REFUSE CONTAINERS FOR THE DISPOSAL OF EXPENDABLE MATERIALS FROM THE RF ENCLOSURE INSTALLATION SITE. THE CONTRACTOR/OWNER SHALL BE RESPONSIBLE FOR THE REMOVAL OF THE REFUSE CONTAINERS.
- 12. AT THE COMPLETION OF THE BASIC ENCLOSURE, THE UNIVERSAL SHIELDING CORP. INSTALLATION SUPERVISOR WILL PERFORM AN ISOLATION TEST TO DEMONSTRATE THAT THE RF ENCLOSURE IS ISOLATED FROM GROUND BY A MINIMUM OF 10,000 OHMS, DURING THE INSTALLATION OF THE VARIOUS SYSTEMS. INTO THE RF ENCLOSURE, AN INDIVIDUAL SHOULD DE DESIGNATED TO CHECK THE ISOLATION OF THE RF ENCLOSURE DURING THE DAY. UNIVERSAL SHIELDING CORP. RECOMMENDS THIS TEST TO BE PERFORMED APPROXIMATELY FOUR {4} TIMES DAILY. IF A GROUND IS DETECTED, IT CAN BE FOUND BY REVIEWING THE ADDITIONAL SYSTEMS THAT WERE INSTALLED INTO THE RF ENCLOSURE AFTER THE LAST SUCCESSFUL TEST.
- 13. DO NOT PENETRATE RF PANELS MORE THAN 5/8" WHEN ATTACHING INTERIOR FINISHES. THESE SCREWS SHOULD BE ZINC PLATED AND BE SHEET METAL TYPE. INTERIOR FINISH SCREWS SHOULD NOT PENETRATE OR ATTACH TO THE RF FRAMING SYSTEM. DO NOT PENETRATE BOTH STEEL SKINS OF RF PANEL UNDER ANY CIRCUMSTANCES WITHOUT THE APPROVAL OF UNIVERSAL SHIELDING CORP!

### FIRE RATING

THE NATIONAL FIRE PROTECTION ASSOCIATION LIFE SAFETY CODE 101, SECTION 6-2, "INTERIOR FINISHES", HAS A CLASSIFICATION OF MATERIALS WITH RESPECT TO FLAME SPREAD AND SMOKE DEVELOPED.

THE CLASSIFICATIONS ARE AS FOLLOWS:

CLASS A INTERIOR FINISH: FLAME SPREAD 0-25; SMOKE DEVELOPED 0-450

CLASS B INTERIOR FINISH: FLAME SPREAD 26-75; SMOKE DEVELOPED 0-450

CLASS C INTERIOR FINISH: FLAME SPREAD 76-200; SMOKE DEVELOPED 0-450

INTERIOR FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH NFPA 255, "METHOD OF TEST OF SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS" {ASTM E84}.

OUR PANELS TESTED JANUARY 12 1987, RECEIVED A FLAME SPREAD OF O, IT WOULD FALL INTO THE CLASS A INTERIOR FINISH CATEGORY IN ACCORDANCE WITH NFPA 101, SECTION 6-2.

### RF PANELS

RF PANELS SHALL CONSIST OF 26 GA. GALVANIZED STEEL BONDED TO A WOOD CORE TYP FLOOR WALLS & CEILING UNLESS NOTED OTHERWISE

### RFI/EMI SHIELDED DO

DOOR#	
QUANTITY	1
SIZE	48" x 84"
<u>TYPE</u>	RCM-154FS
SWING	LHI
FINISH	UNSTAINED RED
SILL TYPE	FLUSH
LOCK	T.B.D.
	· · · · · · · · · · · · · · · · · · ·

### RFI/EMI WINDOW

QTY	SIZE {HEIGHT x WIDT	
1	3'-0" x 4'-0"	
2	$3'-11\frac{1}{4}"$ X $2'-\frac{1}{16}"$	
	$3'-11\frac{1}{4}$ " X $1'-7\frac{3}{8}$ "	

### INTERIOR EYEBOLTS

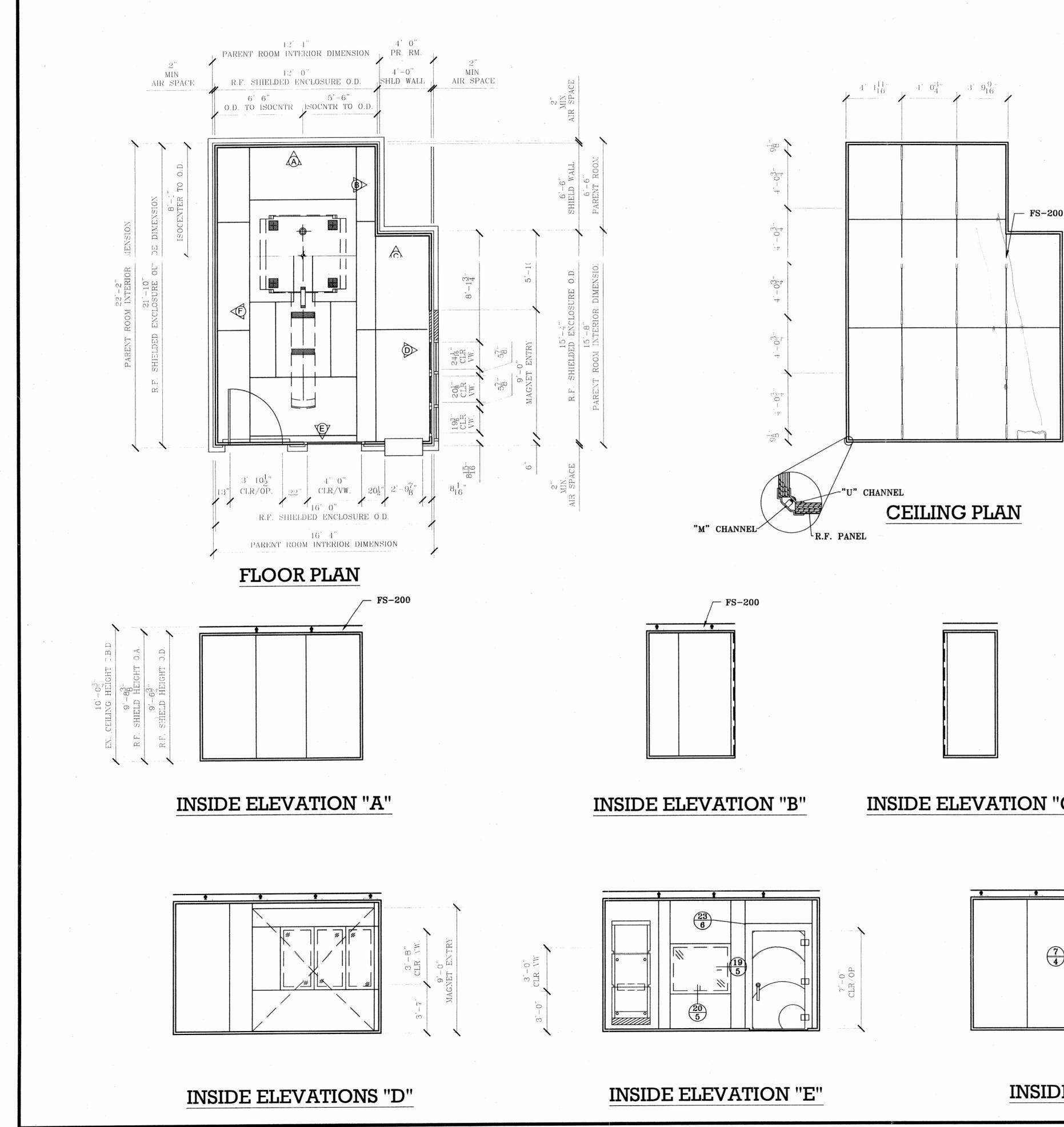
UNIVERSAL SHIELDING CORP. WILL SUPPLY EYEBOLTS {1/4 INNER DIAMETER} ON A GRID OF 4'-0" X 4'-0". FOR ENTIRE RF ÉNCLOSURE CEILING TO SUSPEND ACOUSTI

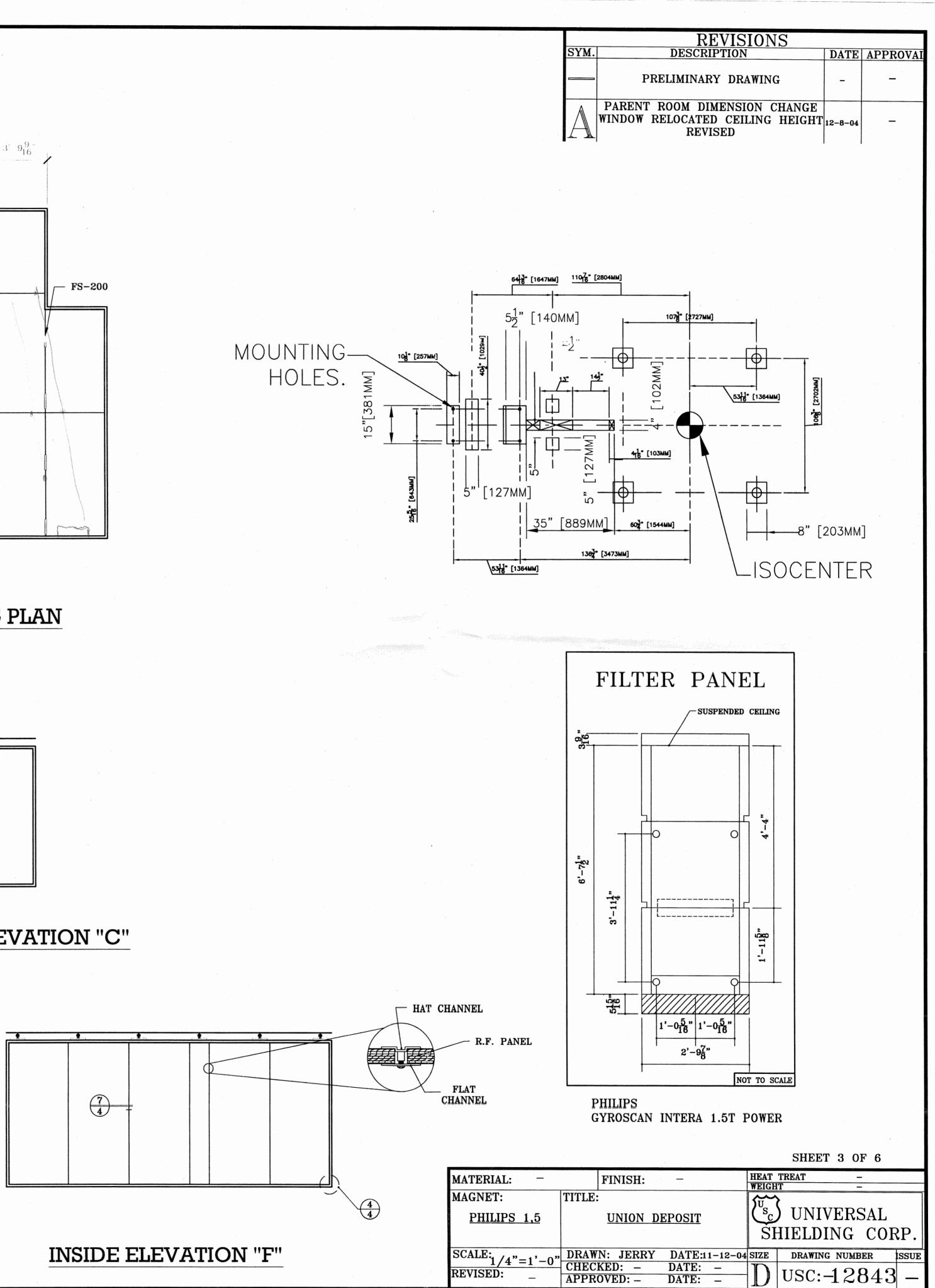
### FILTER BOX

1. USC TO INSTALL MAGNET VENDOR SUPPLIED FILTER BOX A OF MAGNET INSTALLATION.

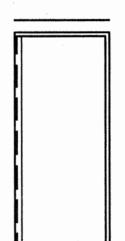
2. RF ENCLOSURE WILL BE TESTED PRIOR TO AND AFTER FILT AND MAGNET INSTALLATION. TESTING BY UNIVERSAL SHIELI

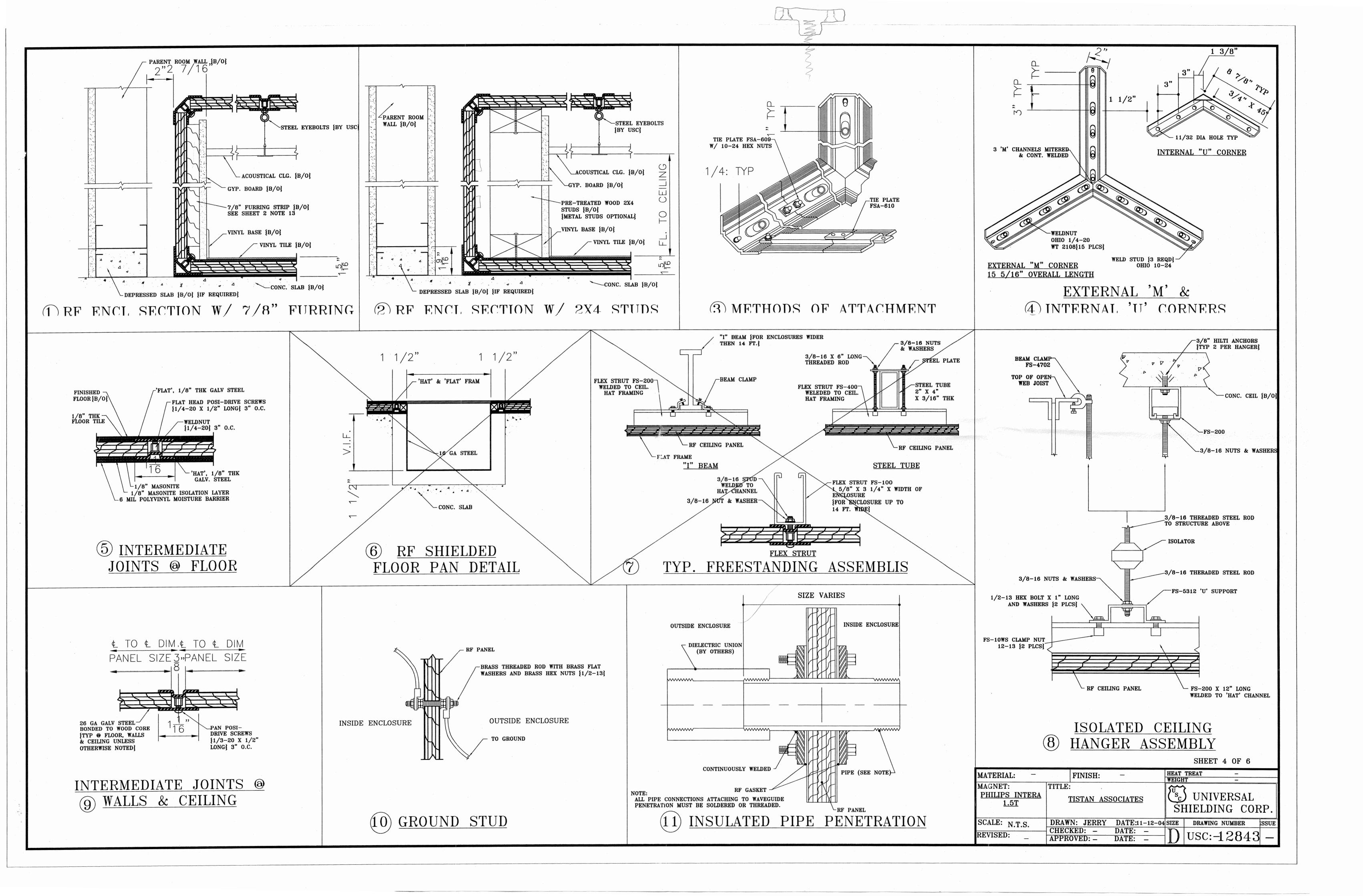
	ACCESSORY SCHEDULE	OPERATION & MAINTENANCE
DOR	RFI/EMI ELECTRICAL FILTERS	
	QTY PART # RATING USE	QTYTYPESIZECOLLARSUPON COMPLETION OF THE INSTALLATION OF THE RF SHIELDED ENCLOSURE, TO GAIN ENTRANCE AND EXIT FROM THE ENCLOSURE, ONE ROTATES THE DOOR HANDLE IN A CLOCKWISE OR COUNTERCLOCKWISE DIRECTION RESPECTIVELY. THE DOOR MUST BE IN THE FULLY CLOSED AND LATCHED POSITION TO MAINTAIN SHIELDING INTEGRITY.
	T.B.D.	3 SUPPLY 7 x 13 BOTH SIDES 2. MAINTENANCE PROCEDURES: 1. THE FOLLOWING MAINTENANCE PROCEDURES SHOULD BE FOLLOWED.
		2 RETURN 4 x 24 BOTH SIDES 2. CLEAN THE BRASS KNIFE EDGE ON THE DOOR ONCE WEEKLY WITH A SOFT CLOTH
		- - - - HORIZONTAL AND VERTICAL ALIGNMENT.   5. HONEYCOMB AIR WAVEGUIDE DUCTS SHOULD BE CLEANED YEARLY WITH A SMALL BRUSH IF AIR FLOW BECOMES RESTRICTED. 5. HONEYCOMB AIR WAVEGUIDE DUCTS SHOULD BE CLEANED YEARLY WITH A SMALL BRUSH IF AIR FLOW BECOMES RESTRICTED.
DAK		
		A. NO FOOD OR LIQUIDS {SODA, COFFEE, ETC.} BE CONSUMED WITHIN THE ENCLOSURE. B. NO WET CLOTHES OR SHOES BE WORN IN THE ENCLOSURE.
	NOTE: INSTALLATION BY UNIVERSAL SHIELDING CORP. WIRING BY OTHERS. SEE FILTER DETAILS FOR SPECIFICATIONS.	C. NO BURNING OR WELDING SHOULD BE PERFORMED WITHIN THE ENCLOSURE. D. CLEAN ANY OIL OR FLUID FROM PIPES TO BE USED BEFORE IT ENTERS THE ENCLOSURE. 7 IE A COMPUTER FLOOP IS INSTALLED IN THE ENCLOSURE THE THE SUDFACE
	PIPE PENETRATIONS	7. IF A COMPUTER FLOOR IS INSTALLED IN THE ENCLOSURE, THE TILE SURFACE CANNOT BE CLEANED WITH ANY LIQUID THAT WOULD SPILL ONTO THE ENCLOSURE FLOOR. 8. DO NOT ALLOW ANY UNAUTHORIZED PENETRATIONS OF THE RF ENCLOSURE TO
	QTY TYPE SIZE USE	QTY SIZE   9. IF THE PARENT ROOM CEILING IS QUESTIONABLE, PRECAUTIONS SHOULD BE TAKEN TO PROTECT THE RF ENCLOSURE CEILING. ALL FRAMING JOINTS SHOULD BE
	2 SPRKLER 1" –	18" CRYOGIN PIPETAPED.3. TROUBLESHOOTING PROCEDURES:
<u>H</u> }	2 SPRKLER $1\frac{1}{4}$ " –	IF ATTENUATION LOSS OCCURS, THE FOLLOWING ITEMS SHOULD BE OBSERVED.   - -   1. NO UNAUTHORIZED PENETRATION{S} WAS MADE, I.E., UNFILTERED WIRE OR PIPING.   2. CHECK THAT ALL DOOR FINGERSTOCK IS IN PLACE AND NOT DEFORMED.
		3. CHECK THAT NO SCREWS WERE LOOSENED OR REMOVED. 4. ALLOWABLE LOADS:
		PENETRATION PANEL 1. THE ALLOWABLE LOADS ON TOP OF THE RF ENCLOSURE CAN BE 50 LBS. PER. SQ. FT. AND THE WEIGHT MOUNTED ON SHELVES OR WALLS IS 85 LBS.
		1. USC TO INSTALL MAGNET VENDOR SUPPLIED PENETRATION 5. SPARE PARTS:   PANEL AT TIME OF MAGNET INSTALLATION. 5. SPARE PARTS:   2. RF ENCLOSURE WILL BE TESTED PRIOR TO AND AFTER THE FOLLOWING SPARE PARTS ARE RECOMMENDED.
		PENETRATION PANEL AND MAGNET INSTALLATION. TESTING BY UNIVERSAL SHIELDING CORP. 1. BERYLLIUM COPPER FINGERSTOCK - PART NO. USC-97-583 2. DOOR LUBRICANT {ONE CAN} - PART NO. RCM-LB-100
	NOTE: EXTERNAL DIELECTRIC CONNECTIONS ARE NOT PROVIDED OR INSTALLED BY UNIVERSAL SHIELDING CORP.	
)-20 X 3/4"	GROUNDING	VINYL TILE
CAL CEILING.	UNIVERSAL SHIELDING CORP. TO PROVIDE AND INSTALL ONE {1} 3/8"-16 DIAMETER GROUND STUD AS CLOSE AS POSSIBLE TO THE PENETRATION PANEL.	ONE {1} LAYER OF 1/8" THK TILE BONDED TO TOP OF RF FLOOR PANEL TO ACHIEVE A LEVEL FLOOR SURFACE FOR FLOOR FINISHES. OD - OUTSIDE DIMENSION ID - INSIDE DIMENSION OA - OVERALL HT - HEIGHT Q - CENTERLINE DETAIL NUMBER DETAIL NUMBER B/O - BY OTHERS T.B.D TO BE DETERMINED CLR VW CLEAR VIEW CLR OP CLEAR OPENING O - MAGNET ISOCENTER
T THE TIME	MAGNET ENTRY	RF. ENCLOSURE V.I.F VERIFY IN FIELD   UNDERLAYMENT P.R PARENT ROOM   MATERIAL: -   HEAT TREAT -
TER BOX DING CORP.	UNIVERSAL SHIELDING CORP. TO PROVIDE A REMOVABLE WALL SECTION FOR MAGNET ENTRY.	ONE {1} THK 1/8" THK HARDBOARD SHIMMING LAYER AND ONE {1 1/8" THK HARDBOARD LEVELING LAYER OVER ONE {1} LAYER OF 6 MIL. THK POLYVINYL MOISTURE BARRIER.
		SCALE:N.T.S.DRAWN:JERRYDATE:11-12-04SIZEDRAWING NUMBERISSUEREVISED:11-3-04APPROVED:-DATE:-DUSC:-12843-

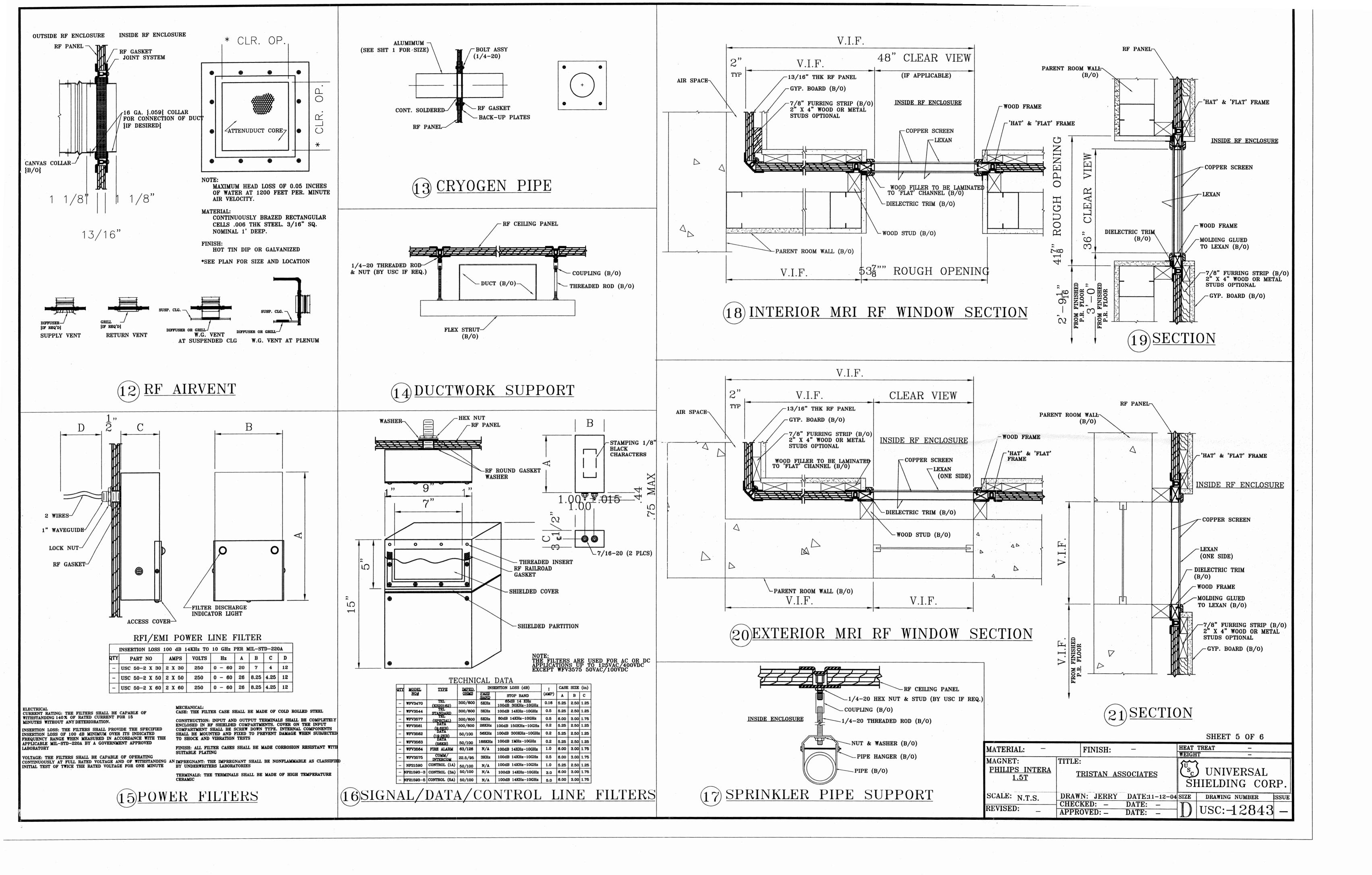


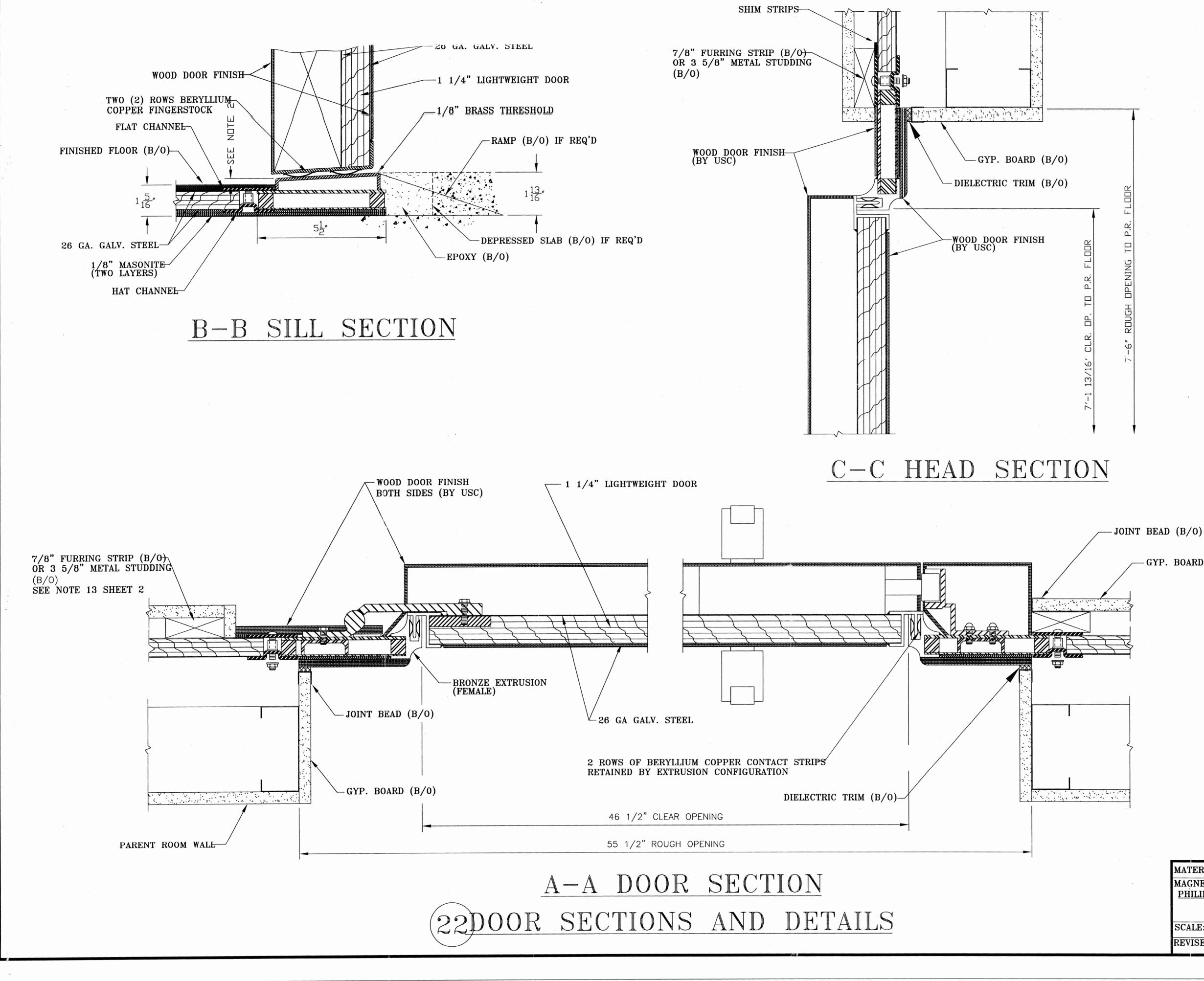


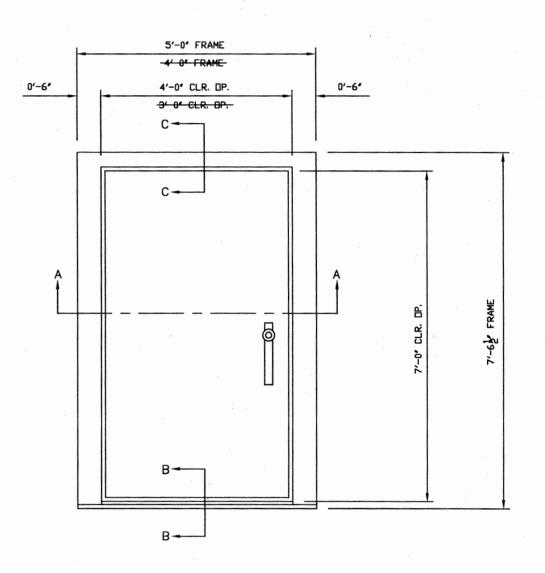












# DOOR ELEVATION

-GYP. BOARD (B/O)

NOTES: 1. INNER DOOR SWING ONLY

2. 1/4" IS REQUIRED BETWEEN THE TOP OF THE FINISHED FLOOR TO THE TOP OF THE SILL

3. SEE SHEET 2 FOR SIZE AND SWING

4. DOOR EXTRUSION IS FACTORY MITERED, WELDED AND SOLDERED CONTINUOUSLY INSIDE AND OUTSIDE

5. RF DOOR IS PROVIDED WITH A MULTIPLE POINT LATCHING MECHANISM

6. RF DOOR IS DESIGNED FOR A FINISHED FLOOR 1/8" THICK, IF ADDITIONAL THICKNESS IS REQUIRED, PLEASE NOTE

	SHEET 6 OF 6
MATERIAL: –	FINISH: - HEAT TREAT - WEIGHT -
MAGNET: <u>PHILIPS INTERA</u> <u>1.5T</u>	TITLE: <u>TRISTAN ASSOCIATES</u> <u>TRISTAN ASSOCIATES</u> <u>TRISTAN ASSOCIATES</u> <u>SHIELDING</u> CORP.
SCALE: N.T.S.	DRAWN: JERRY DATE: 1-12-04 SIZE DRAWING NUMBER ISSUE
REVISED: _	$\frac{\text{CHECKED:} - \text{DATE:} -}{\text{APPROVED:} - \text{DATE:} -} D USC:-12843 -$

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