R.F. SHIELDED ENCLOSURE DRAWINGS

FOR

PROJECT: SHIELDED COMPACT ANECHOIC CHAMBER
10' W x 24' LG x 10' H

CUSTOMER: WEATHERFORD PRODUCTION OPTIMIZATION

LOCATION: KINGWOOD, TX

APPROVAL DRAWING SET – Revision 2 DATED: 12/1/11

JOB # 11-2308-10
GENERAL NOTES

1. All overall dimensions shown are to the exterior of walls and (or) ceiling.

2. The enclosure assembly site must be clean, dry, free of obstructions and covered. All metallic surfaces such as conduits, ducts and pipes that may make contact to the erected enclosure must be isolated or removed. The floor surface on which the enclosure will rest must be clean, free of irregularities, smooth and level to within 1/8 inch in 10 feet between any two points, not an accumulative value.

3. It will be the responsibility of Panashield to flash patch (or equivalent) the filler joints within the floor modular panels before the installation of finish flooring.

4. The clearance between the enclosure support steel and the parent room walls is 3" to 6" minimum. The clearance between the enclosure support steel and the parent room ceiling is 2". This allows adequate clearance for the erection of the steel structure and also insures against grounding. All RF enclosures shall have no physical contact between shielding materials and building constructions.

5. Customer or contractor must provide clean, dry staging area for lay-out and storage of RF room components as close to the location of the RF enclosure area as possible.

6. Contractor / owner to provide adequate trash container(s) for the disposal of expendable material from the enclosure installation and removal from site.

7. Installation crews will require a minimum of two 117 vac, 20 amp service connections for drop cords.

ENCLOSURE INTEGRITY

Once installation crew(s) have vacated the site, it will be the responsibility of the customer to maintain the integrity of the enclosure. Enclosure integrity shall consist of, but not limited to:

1. Maintaining parent room and the enclosure free of any water or moisture incursion.

2. Allow no unauthorized or non-approved connections or attachments to the enclosure.

3. Ensure that no penetrations of the enclosure occur. If the enclosure is inadvertently penetrated, contact Panashield so that remedial repairs can be undertaken.
INTERIOR RF SHIELDING WALL PANEL ELEVATION "A"
INTERIOR RF SHIELDING WALL PANEL ELEVATION "B"
INTERIOR RF SHIELDING WALL PANEL ELEVATION "C"
INTERIOR RF SHIELDING WALL PANEL ELEVATION "D"
RF SHIELDING CEILING PANEL LAYOUT

12" x 12" WG VENTS

12" x 12" CONNECTOR PANEL

2 x 30A POWER LINE FILTERS

2 x 5A POWER LINE FILTER FOR INTERNAL LIGHTING

STEEL WALL SUPPORTS

STEEL CEILING SUPPORTS

WING PENETRATION FOR SPRINKLER

4'-0" 13/16"

4'-0"

4'-0"

4'-0"

4'-0"

23'-10 15/16"

10'-1 5/8"

8'-6 7/8"
INTERIOR FERRITE TREATMENT ON WALL ELEVATION "A"
INTERIOR FERRITE TREATMENT ON WALL ELEVATION "B"
INTERIOR FERRITE TREATMENT ON WALL ELEVATION "C"

- 2 x 30A POWER LINE FILTERS
- 12" x 12" CONNECTOR PANEL
- 15/16"
- 23'-7 7/16" = 24 FERRITE PANELS @ 300mm
- 15/16"
- 23'-9 5/16" = INSIDE OF RF WALL PANELS

15/16"
INTERIOR FERRITE TREATMENT ON WALL ELEVATION "D"
12" x 12" WG VENTS

23'-7 7/16" = 24 FERRITE PANELS @ 300mm

23'-9 5/16" INSIDE OF RF SHIELDED WALLS

15/16" TYPICAL

FERRITE TILE CEILING LAYOUT
INTERIOR HYBRID TREATMENT ON WALL ELEVATION "A"
INTERIOR HYBRID TREATMENT ON WALL ELEVATION "D"
INTERIOR HYBRID TREATMENT ON WALL ELEVATION "C"

2 x 30A POWER LINE FILTERS
12" x 12" CONNECTOR PANEL

7'-0 1/4"
11'-9 3/4"
4'-9 7/16"

23'-7 7/16" = INSIDE FERRITE TILE
INTERIOR HYBRID TREATMENT ON WALL ELEVATION "B"
HYBRID ABSORBER CEILING LAYOUT

23'-7 7/16" INSIDE FERRITE TILE

4'-9 7/16"
11'-9 3/4"
7'-0 1/4"
1'-11 5/8"
5'-10 7/8" 9'-10 1/8"
1'-11 5/8"
FLOOR ABSORBER, EQUIPMENT, & FINISH PLAN

1.2m DIA. TURNTABLE (NOT BY PANASHIELD)

300mm x 300mm x 6.3mm FERRITE PANELS
10 PANELS WIDE x 11 PANELS LONG

HYB-NF-12 WHITE FIRE PROOF HYBRID
ADDITIONAL AREA OF COVERAGE

WHITE VINYL TILE

5'-3" COIL
CENTER OF TURN TABLE TO FERRITES

23'-10 15/16"

10'-1 5/8'
8'-9 5/8"
CLEAR OPENING = 4’ x 7’

CROSS SECTION A-A

RCM SINGLE DOOR DETAIL

QUANTITY OF □ REQUIRED
QUANTITY OF □ REQUIRED

RHR – RIGHT HAND REVERSE
LHR – LEFT HAND REVERSE

ENTER A QUANTITY FOR EACH DOOR SWING ILLUSTRATED.
THIS PROJECT HAS A TOTAL OF □ DOORS REQUIRED.
WAVEGUIDE VENT AT CEILING

CEILING W.G. VENT 12\" x 12\"
TWO (2) REQUIRED

HONEYCOMB

DIAMOND CONNECTOR COLLAR

CANVAS CONNECTOR COLLAR

DUCT WORK (BY OTHERS)

MIN.

VENT SIZE

3\"

1/8\" BRASS PLATE (CAN BE FIELD DRILLED FOR LOCATION OF CONNECTORS)

1/4\" X 20 X 1/2\" UNC. TORX PAN HEAD TAP SCREW

CONNECTORS ILLUSTRATED ABOVE ARE FOR REFERENCE ONLY. ACTUAL QUANTITIES & TYPES WERE NOT PROVIDED.

FIBER OPTIC WAVE GUIDE CAN BE PLATE OR RF WALL MOUNTED

WAVEGUIDE VENT AT CEILING

STANDARD CONNECTOR PANELS

W.H PANEL SIZE HOLE SIZE

6\" 12\" 6\" X 15\" 8\" X 14\"
12\" 12\" 15\" X 15\" 14\" X 14\"
12\" 18\" 15\" X 21\" 14\" X 20\"
18\" 18\" 21\" X 21\" 20\" X 20\"
12\" 24\" 15\" X 27\" 14\" X 26\"
18\" 24\" 21\" X 27\" 20\" X 26\"
24\" 24\" 27\" X 27\" 26\" X 26\"
DATA/COMMUNICATIONS FILTERS
DATA/COMMUNICATION FILTERS NOT REQUIRED FOR THIS PROJECT

FACILITY AND POWER LINE FILTERS
2 x 5A Electrical Filter

1" NPS Flange Lock Nut, Brass

Screw, Lathing, PTH-S (Hilti), 
3/8 x 3/4" LG, ZP, CS

RF Ceiling Panel

Ferrite Tile

Hybrid Wedge

Extension Ring,
4" Octagon, 1 1/2" Deep
(Shop Paint Black)

LED Light Panel

Typical LED Panel Detail
(Typical 6 Places)
SECTION THRU ANGLE BRACE
(TYPICAL 15 PLACES ON WALLS)
(TYPICAL 5 PLACES ON CEILING)

FREE STANDING
WALL STRUCTURAL SUPPORT SYSTEM