



TOP OF WALL SUPPORT, BY
STRUCTURAL ENGINEER

FINISH CEILING PER FINISH SCHEDULE

20 GAUGE METAL STUDS (MIN) AT 16"
O.C. MAX SPACING

1ST LAYER - RAY-BAR 5/8" LEAD BACKED GYPSUM
BOARD TYPE" RB-LBG", (NO SUBSTITUTIONS),
INSTALLED VERTICALLY. STAGGER VERTICAL
JOINTS BETWEEN LAYERS.

5/8" LEAD BACKED GYPSUM BOARD TYPE"X"
INSTALLED VERTICALLY. STAGGER VERTICAL
JOINTS BETWEEN LAYERS.

LEAD THICKNESS AS NOTED ON FLOOR PLAN
OR RADIATION REPORT.

SECURE GYPSUM BOARD TO SUPPORTS WITH S-12
STEEL SCREW FASTENERS SPACED 8" O.C. AT
PERIMETER AND 12" O.C. IN THE FIELD. DRIVE
FASTENERS SLIGHTLY BELOW EXPOSED SURFACE
AND SHIELD WITH EITHER LEAD DISCS , TABS OR
INTERNALLY WITH 2" WIDE BATTEN STRIPS, OR
SIMPLY 1-1/4" LONG STEEL SCREWS WHEN
APPROPRIATE PER NCRP REPORT NO. 147 AND
SPECIFICALLY APPROVED BY PROJECT PHYSICIST
OF RECORD.

METAL TRACT, 20 GAUGE (MIN) WITH
FASTENERS 24" O.C. MAX. SPACING.
BOTTOM METAL TRACT CONNECTION
TO SLAB, BY STRUCTURAL ENGINEER.

SPECIFICATION NOTES:

1. THE RAY-BAR LEAD SHIELDING VALUE TO BE THE SAME AS THE SURROUNDING WALL, PARTITION OR CEILING. (SEE PLANS OR PHYSICIST RADIATION SHIELDING REPORT FOR LEAD THICKNESS VALUES). CUSTOMER / INSTALLER MUST VERIFY LEAD SHIELDING EQUIVALENCY REQUIREMENT PRIOR TO ORDERING
2. ALL RAY-BAR SHEET LEAD IS 99.9% PURE MEETING FEDERAL SPC QQ-L-201F GRADE C AND ASTM B749 TYPE L51121 AND ALL APPLICABLE NCRP REPORTS
3. RAY BAR GYPSUM BOARD MEETS THE CLASSIFICATION OF ASTM C 36, AMERICAN SOCIETY FOR TESTING AND MATERIALS -GYPSUM WALL BOARD, TYPE "X".
4. MINIMUM HEIGHT TO BE 7'-0" A.F.F. PER NCRP, (U.O.N.)
5. LEAD BACKED DRYWALL MUST BE INSTALLED VERTICALLY WITH LONG EDGES CENTERED TO SUPPORTS.
6. ALL LEAD WALLS MUST BE REVIEWED BY A STRUCTURAL ENGINEER FOR WALL DESIGN AND SUPPORT OF THE WALL.

CORRIDOR
SIDE

RADIATION
SOURCE
SIDE



① 2 HR LEAD LINED FIRE WALL
1 1/2" = 1'-0"

2 HR. FIRE WALL SYSTEM DESIGN TO
BE U430, WITH STEEL STUDS

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|--|---------------------|--|
| | JOB NAME: | |
| | LOCATION: | |
| | ROOM NUMBER: | |
| | SHEET ____ OF ____: | |
| FIRE RATED LEAD LINED PARTITION, (2 HR) | | |

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 SCALE
 1 1/2" = 1'-0"
FRLP-2