



TOP OF WALL SUPPORT, BY STRUCTURAL ENGINEER

FINISH CEILING PER FINISH SCHEDULE

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

RAY-BAR 5/8" LEAD BACKED GYPSUM BOARD TYPE "RB-LBG", (NO SUBSTITUTIONS), INSTALLED VERTICALLY.

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.

CORRIDOR SIDE

RADIATION SOURCE SIDE



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

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

- 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.

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	JOB NAME:	
	LOCATION:	
	ROOM NUMBER:	
	SHEET ____ OF ____:	
FIRE RATED LEAD LINED PARTITION, (1 HR)		

RAY-BAR ENGINEERING CORP.

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2012-05-10

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

FRLP-1