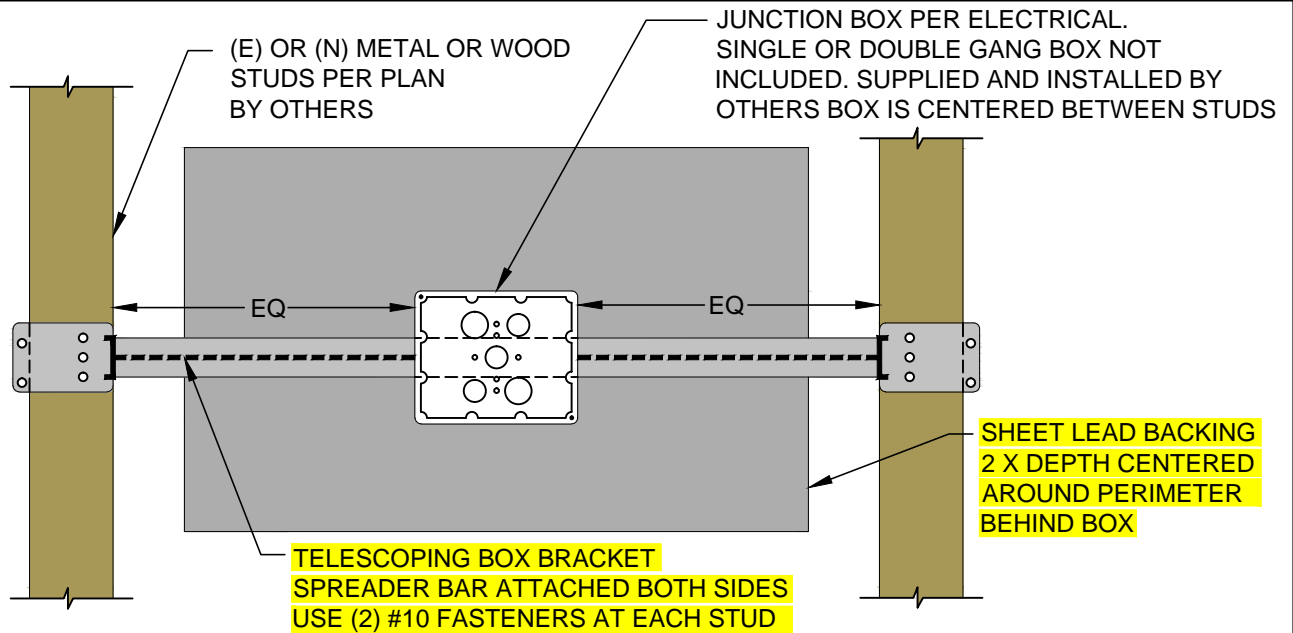
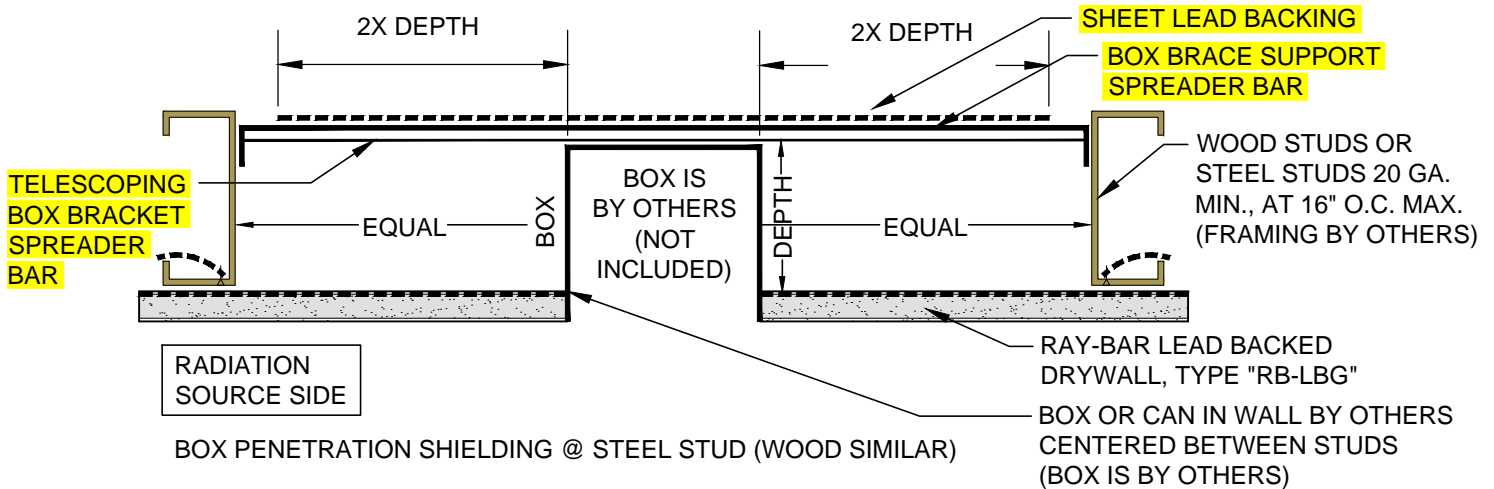


RAY-BAR SHIELDED SPREADER BAR FOR NEW BOX PENETRATION INSTALLATIONS



FIRE WALL SYSTEMS, UL LISTING:

1. UL PARTITION DESIGN TO BE U430 AT 1 HOUR AND 2 HOUR METAL STUD WALLS.
2. UL PARTITION DESIGN TO BE U419 AT 3 HOUR AND 4 HOUR METAL STUD WALLS.
3. UL PARTITION DESIGN U305 IF 1 HOUR WITH WOOD STUDS 16" O.C.
4. UL PARTITION DESIGN U301 IF 2 HOUR WITH WOOD STUDS 16" O.C.
5. ALL LEAD BACKUP DRYWALL TO BE TYPE "RB-LBG" AS UL LISTED..

GENERAL NOTES:

1. BOX LOCATIONS TO BE CENTERED BETWEEN THE STUDS.
2. THIS DETAIL SIMILAR IF REQUIRED AT CEILING PENETRATIONS.
3. NO THROUGH PENETRATIONS OF ANY KIND PERMITTED.
4. NO "BACK TO BACK" BOXES ALLOWED.
5. SAME NOTES APPLY TO PIPES OR OTHER PENETRATIONS.

SPECIFICATION NOTES:

1. THE 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. ALL RAY BAR GYPSUM BOARD MEETS CLASSIFICATION ASTM C 36.
4. MINIMUM LEAD HEIGHT TO BE 7'-0" A.F.F. PER NCRP,(U.O.N.).

NTS

PATENT PENDING

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JOB NAME:	
LOCATION:	
ROOM NUMBER:	
SHEET ____ OF ____:	

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RAY-BAR
 NEW BOX
 PENETRATION
 SHIELDING
 WITH
 SPREADER
 BAR

RAY-BAR SHIELDED BACKING SPREADER BAR