RADIATION SOURCE SIDE

RAY BAR LEAD LINED FIRE RATED WOOD OR METAL DOOR

RAY BAR FIRE RATED LEAD LINED VISION FRAME, 18 GA. STEEL FRAME, WITH MITER CORNERS. (GRAY PRIMER FINISH OR POWDER COATED)

RAY BAR X-RAY SAFETY GLAZING AND CLEAR CERAMIC FIRE RATED GLAZING

METAL SCREWS FOR FRAME ANCHORAGE

MATERIALS:
1. 18 GA. COLD ROLLED STEEL FRAME, GRAY PRIMER OR POWDER COAT FINISH, WITH LEAD LINING.
2. 5/16" X-RAY SAFETY GLASS, 2.0 MM LEAD EQUIVALENCY, MEETING IMPACT RESISTANT REQUIREMENTS OF ANSI Z97.1 AND CPSC 16 CFR 1201 CAT II.
3. 1/4" CLEAR CERAMIC FIRE GLASS WITH U.L. CLASSIFICATION MARKINGS FOR FIRE RATED APPLICATIONS AND IMPACT SAFETY - RATED FOR 1-3/4" THICK DOORS ONLY. (FIRERATED IGU SHIELDED ASSEMBLIES ALSO AVAILABLE)
4. X-RAY SAFETY GLASS ON RADIATION SIDE OF DOOR. CLEAR CERAMIC FIRE GLASS ON CENTER OF DOOR.
5. FRAME IS FIRE RATED BY U.L. FRAME LEAD LINING AND X-RAY SAFETY GLASS PROVIDES A MINIMUM OF 4# (1/16") LEAD EQUIVALENCY. (HIGHER SHIELDING EQUIVALENCIES AVAILABLE)
6. - 20 MINUTE / 45 MINUTE: 1,296 SQUARE INCHES
   - 60 MINUTE / 90 MINUTE: 100 SQUARE INCHES (CLEAR VIEW)
   - AVAILABLE UP TO 1/8" LEAD LINING MAXIMUM
   - OTHER CONFIGURATIONS AVAILABLE FOR HIGHER SHIELDING OR FIRE RATING REQUIREMENTS
7. X-RAY GLASS IS NOT IMPACT PROOF, SHATTER PROOF, SCRATCH RESISTANT OR TEMPERED.
8. LEAD LINED FRAME AND X-RAY GLASS ASSEMBLY TO BE THE SAME SHIELDING PROTECTION AS DOOR.

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 LINING IS 99.9% PURE MEETING FEDERAL SPC QQ-L-201F GRADE C AND ASTM B749 TYPE L51121 AND ALL APPLICABLE NCRP REPORTS.