

SERIES LW AND LWF DOORS

LOCKSEAM AND SEAMLESS STEEL STIFFENED DOOR

Specifications

1. Doors shall be formed from two 14,16 or 18 gage A60 Galv. steel sheet per ASTM A 924 and A653 or 00UUA¹; CEVT A-CC-011 A-CC-1 JA-2A-01A be 1-3/4" thick.
2. Doors shall be internally reinforced with pairs of hat-shaped steel stiffeners joined together and running vertically full height of door, not more than 6" apart. Stiffeners shall be spot welded 4" o.c. to both faces of doors, and arc-welded to each other top and bottom.
3. Voids between stiffeners shall be filled with fiberglass Or mineral wool insulation. Thermal Values as tested per ASTM C 1199 and ASTM C 1363: R value-1.69 and U-factor 0.59
4. LW series doors shall have vertical mechanical interlocking seams on hinge and lock edges. There shall be no seams on the faces of door.
5. LWF series doors shall have vertical interlocking edge seams filled and ground smooth for seamless appearance.
6. Exterior doors shall be capped to retard moisture penetrating the door.
7. All hinge reinforcements shall be 3/16" thick. Top hinge reinforcement shall be provided with a back-up reinforcement.
8. All doors shall be internally reinforced with a 13 gage plate both sides of the door for application of surface applied door closers and holders.
9. Glass light moulding shall be Pioneer standard steel moulding, with no exposed screws on the secure side of door. Consult UL listed Glazing manufacturer for acceptable Vision Sizes for Fire rated doors.
10. Louvers shall be Pioneer standard design for application required. Maximum size for 1 1/2 Hour Fire rated doors: 24" x 24".
11. 3 Hour Rated Fire Door sizes: 4'-0" x 8'-0" -single and 8'-0" x 8'-0" -Pairs
12. All doors shall be cleaned and given one coat of baked-on, rust-inhibitive metal primer in compliance with ANSI A 250.10.
13. Door construction complies with ANSI A 250.8 (SDI 100)
14. Sound Transmission Coefficient (STC) of door as panel: STC 46
15. Hardware reinforcements are in accordance with ANSI A 250.6. Locations are in accordance with ANSI/BHMA A156.115
16. Doors shall be packaged to minimize damage in transit and handling.

