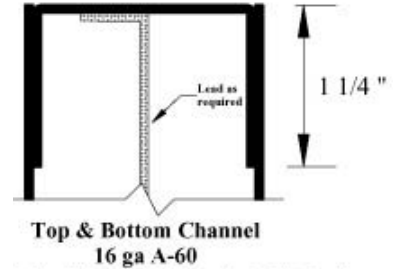


Temperature Rise Steel Stiffened Lead Lined Door

Lead Lined Doors have a standard of 1/16" thick lead, 1/8" and more are available
 Lead Lined/Steel Stiffened/ 450 degreeTemp rise doors are available in standard 18 ga A-40 steel.
 Due to weight LL SS doors should be hung on pivot sets or heavy duty heavy weight hinges
 Consult factory for weight of doors prior to specifying hinges or pivot hardware
 For heavy duty commercial and industrial applications 16 ga and 14 ga are available as options.
 Standard material is A-40 18 g galvaneal steel.
 Steel Ribs are 18 gauge A-40 and 16 gauge A-40 is available as an added cost. Steel ribs are vertically welded to each door skin every 4" Steel Ribs are spaced no more than 6" apart Area between ribs is filled with Thermal Fiber Industrial Felt secured with high bond adhesive securing in place. Aging has no effect on panel. Options for steel available are A-40 and A-60 galvaneal and G-90 galvanized as well. Maximum size per leaf is 4'6" x 10'2" Doors can be made to any fractional width or height
 Standard Pre- fit sizes unless otherwise noted are : width - (Nominal Size) - 1/4 " Height-(Nominal Size) -7/8 Undercut standard is 3/4" unless specified Hardware Locations are Manufacturerd to your specific location Template must be provided by customer It is not recommended to paint a steel stiffened door with a high gloss paint. Both edges are beveled 1/8 " in 2 " Square edges are available on one or both edges Doors are constructed w/ mechanical lock seam on both edges Standard Door edges have exposed seams: Option 1 - Tack weld top and bottom of each edge seam and grind smooth. Option 2 - Tack weld each edge seam every 6" dress and grind smooth. All Internal Door reinforcements are manufactured with A-40 Galvaneal Steel. Doors can be prepped for all commercial mortise lock hardware applications and reinforced for all surface and concealed hardware applications per customer supplied template requirements. Standard Thickness of Door 1 3/4" Custom Size available.



Fire Rating

Maximum size up to 3 Hour UL Rating UL 10B or UL 10 C Single - 4'0" x 10'0"
 Standard Swing Pair 8'0" x 10'0"
 Doors less than or equal to 4'0" x 10'0" single max size Pair 8'0" x 10'0" max size 3 Hour rating Double egress maximum 8'0" x 8'0"
 Single doors greater than 4'0"x10'0" and pairs greater than 8'0" x 10'0" restricted to 90 min rating.

450 Temp Rise Door

Feature Thermal Fiber Industrial Felt mineral wool insulation between door steel stiffen ribs Nominal Density of 10 pcf. This slag wool fiber insulation conforms to ASTM C553 Thermal Fiber Felt is a non Combustible material defined by NFPA 220,per ASTM E136 It absorbs less than 1 % moisture by weight and volume per ASTM C553 Thermal Fiber Felt contains 85 % post industrial recycled content It has a flame spread rate and smoke developed during burning rate of 0 per ASTM E84

Door Standard Prep

7 gauge Hinge reinforcement 161 or .134 v blank prep
 Air Dry high performance gray primer

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QUALITY SINCE 1981	Title: Temp Rise Steel Stiffened Lead Lined Door		
	Revision:	Revision Date:	Drawing Number:
Original Date:			
Drawn By:	Scale:	Sheet: 51 of 55	