

Steel Stiffened Temp Rise Door
 450 degree Temperature rise/ Steel Stiffened
 Doors 650 temp rise available
 are available in standard 18 ga A-40 steel.
 For heavy duty commercial and industrial ap-
 plications 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-(Nomi-
 nal Size) -7/8
 Undercut standard is 3/4” unless specified


Hardware Locations are Manufactured 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.

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
 are available with 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.

Door Standard Prep

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

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|  <small>MANUFACTURERS OF STANDARD AND CUSTOM HOLLOW METAL FRAMES AND DOORS</small> | | | |
| <small>287 Oakland Road, Belgrade, Maine 04917 USA Office 207-465-9066 Fax: 207-465-9452</small> | | | |
| QUALITY SINCE 1981 | Title: Steel Stiffened Temp Rise Door | | |
| | Revision: | Revision Date: 11-14-12 | Drawing Number: |
| Original Date: | Drawn By: | | Scale: Do not scale this drawing |
| | | | Sheet: 48 of 55 |