

# JR Metal Frames - Fire Rating Frames Chart

Frame Construction	Maximum Size for 3 hour Rating	Maximum Size for a 90 minute rating	Minimum face Size	Note Chart
3 - Sided KD Frame Door Opening	FM Label 90m or 3 hr. Single 4'0"x 10'0" Pair 8'0" x 10'0"	FM Label 90m or 3 hr. Single 4'0"x 10'0" Pair 8'0" x 10'0"	Sgl rbt 1 1/4" dbl rbt 1 1/4 "	1,3,4
3 -Side Weld Frame Door Opening	Single 4'0"x 10'0" Pair 8'0" x 10'0"	Single 4'0"x 10'0" Pair 8'0" x 10'0"	Sgl rbt 1 1/4" dbl rbt 1 1/4 "	1,3,4,5
Fire Door Frame w/ Fixed Transom Lite	N/A	Single 4'0"x 10'0" Pair 8'0" x 10'0"	1 1/4 " min	2,3,4,5
Fire Door Frame w/ Fixed Transom Panel	N/A	Single 4'0"x 10'0" Pair 8'0" x 10'0"	1 1/4 " min	2,3,4
Transom/ Side Lite Frame for Masonary	N/A	Max Frame size 13'2" w x 11'11" h	1 1/4 " min	1,5,
Transom/ Side Lite Frame for Drywall	N/A	Max Frame size 12" w x 11'7" h	1 1/4 " min	1,5,
Fire Door Frame w/ Side Panel	N/A	8'4" x 10' 0"	1 1/4 " min	2,3,4
Fire Door Frame w/ Side Lite	N/A	8'4" x 10' 0"	1 1/4 " min	1,5
Borrowed Lite Frame	N/A	Mason 13'6" x 12' 0" Drywall 11'4" x 10'0	1 1/4 " min	6,7,9
Window Frame	N/A	Mason 13'6" x 12' 0" Drywall 11'4" x 10'0	1 1/4 " min	6,7,9
Double Egres	8'0" x 8'0"	8'0" x 8'0"	1 3/8" min	8

## Frame Notes

**Note # 1** - Throat size 4" minimum and 13 " maximum.

**Note # 2** - Throat size 4" minimum and 9" maximum.

**Note # 3** - Single unit steel frames for walls at least 3 " thick shall consist of a head, jamb , hinge reinforcement, closure reinforcement, strike plate reinforcement, when intended for a single swing door., and base and wall anchors. For a pair of doors and a coordinator reinforcement shall be used if necessary.

**Note # 4** - Single Unit Frames for wall at least 4 " thick shall consist of a head, jamb, base anchors, bar stop, and adjustable or fixed masonry concrete anchors. The opening for single frame maximum is 72 " wide x 144" high the opening maximum for doors swinging in pairs is 120" wide x 144" high.


**Note # 5** - Throat size for Transom Frames with Panel or Glazed is 4 1/2 " minimum x 10 1/2 " maximum. Door Glazing of Transom Frame single Door 48" wide 144" high maximum. 1/4 glass area not to exceed 1296 sq. in.

**Note # 6** - Window Frames or Borrowed Lite Frames for drywall walls must have a masonry or non combustable sill and be face or continuous welded. UL approved loose or welded masonry or drywall anchors can be used.

**Note #7** - Window and Borrowed Lite frames for Masonary walls have a Min. thickness of 4" and a Max. of 12" Frames may have a Min. face height of 1 1/4 " and a Max. throat of 13". Groove for holding glass not less than 5/8". deep.

**Note # 8** - Minimum 5 3/4" to max 12 3/4 " jamb depth

**Note # 9** - Non Combustable sill required. Double egres min 5 3/4 " to max 12 3/4 " Jamb Depth.

 MANUFACTURERS OF STANDARD AND CUSTOM HOLLOW METAL FRAMES AND DOORS 287 Oakland Road, Belgrade, Maine 04917 USA Office 207-465-9066 Fax: 207-465-9452			
<b>QUALITY SINCE 1981</b>	<b>Title: Fire Rating Frame Chart</b>		
	Revision:	Revision Date:	Drawing Number:
Original Date:			
Drawn By:	Scale:	Sheet: <b>of</b>	