

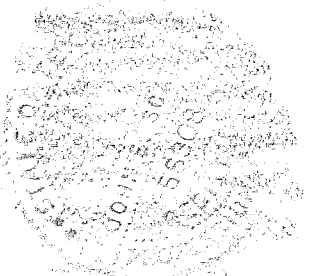
Window Options:  
 max daylight opening 49-1/8" x 19"  
 1/8" DSB  
 1/4" Tempered Glass  
 7/16" Insulated Glass  
 7/16" Tempered Insulated Glass  
 .049" Aluminum Panel  
 7/16" Insulated Aluminum Panel

Door Height	Section Quantity	Trk Bkt Per Side
6'-0" to 8'-0"	4	0
8'-3" to 10'-0"	5	0
10'-3" to 12'-0"	6	0
12'-3" to 14'-0"	7	0
14'-3" to 16'-0"	8	0
16'-3" to 18'-0"	9	0
18'-3" to 20'-0"	10	0
20'-3" to 22'-0"	11	0
22'-3" to 24'-0"	12	0

Track bracket quantities shown are for use with grade 2 or better southern pine jambs. When using softer wood species like spruce-pine-fir (SPF) use the quantity of track brackets specified in the chart plus one track bracket per side.

Supplemental Instructions contain details for doors up to 24'-0" high. These are required in addition to this drawing for installation. Always use supplemental instructions in addition to this drawing during door installation.

Model:	3290, 3295, 329x
Scale:	1/8" = 1'-0"
Drawn:	ITS
Check:	3-1-2013
Material:	45.6 (psf) / - 51.1 (psf) at 0'-0" through 22.1 (psf) / - 24.8 (psf) at 13'-0"
C.H.I. Drawing:	TZ10-09-64313
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 TXPE 56308, F-2203

This door has been evaluated per ASCE 7-02 & 7-05 as referenced by 2006 IBC 1609 & 2006 IRC 301, in accordance with ANSI/DASMA 108-02, 108-05, & ASTM E530-02. Design Pressures (DP) typically meet requirements for the following exposure B wind speeds. These wind speeds are for 8' high doors on buildings with a flat roof height less than 30 feet.

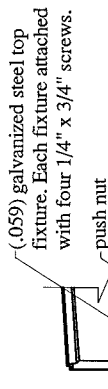
Door Width	With and Without Windows		Center Stiles
	Design Pressure	Exp B	
13'-02"	22.1 / - 24.8 (psf)	125 (mph)	3
12'-02"	25.9 / - 29.0 (psf)	135 (mph)	2
10'-02"	37.1 / - 41.5 (psf)	161 (mph)	2
09'-06"	42.5 / - 47.6 (psf)	171 (mph)	1
09'-02"	45.6 / - 51.1 (psf)	177 (mph)	1
08'-02"	45.6 / - 51.1 (psf)	176 (mph)	1
07'-02"	45.6 / - 51.1 (psf)	175 (mph)	1
06'-00"	45.6 / - 51.1 (psf)	173 (mph)	1

Center stile quantity is minimum per section.

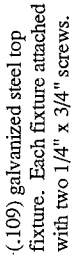
Supporting structural elements to be designed by registered professional engineer for specified wind loads. If door is not electrically operated, a lock must be installed.  
 Door height: 24'-0" max  
 Section height: 24" max

Professional Engineer's seal provided only for verification of windload construction details

Strut (if applicable) not shown for clarity.



(.059) galvanized steel top fixture. Each fixture attached with four 1/4" x 3/4" screws.



(.109) galvanized steel top fixture. Each fixture attached with two 1/4" x 3/4" screws.

Optional low head room top bracket

nominal  $\varnothing$  2" (min.) 10 (min.) ball roller with nylon or steel tread.

3-1/2" (min) stem

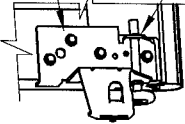
2" (max. for .069 thick) 4" (max. for .109 thick)

(.102) galvanized steel bottom bracket manufactured by C.H.I. Each bracket attached with four red 1/4" x 3/4" screws.

push nut

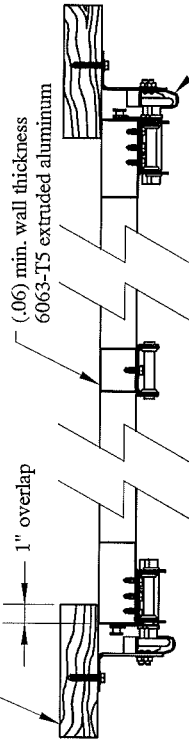
Aluminum extrusion

Vinyl weatherstrip



Optional low head room bottom bracket

The vertical wood jamb fasteners may be counter sunk to provide a flat mounting surface. See jamb attachment details for more information about attaching jambs to structure.



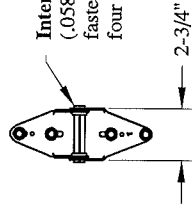
Window Clip (when required)

2" (min) x .0485 (min) galvanized steel track

1" x 3/4" x 1/8" Aluminum clip 1" long, fastened with one #10 x 5/8" screw. (clips not required below +20.9psf, also not required below +45.7psf when using 7/16" thick glass) Distance between clips not to exceed 13".

End Hinge galvanized steel fastened to section with six 1/4" x 3/4" screws.

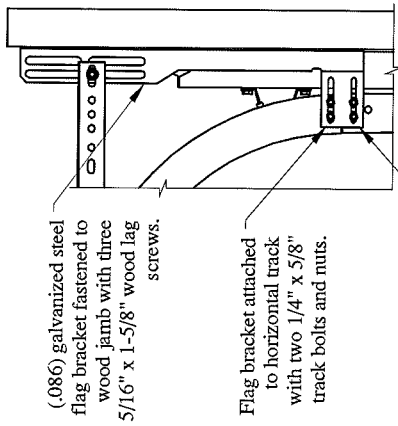
push nut 2-3/4"



Intermediate Hinge (.058) galvanized steel fastened to section with four 1/4" x 3/4" screws.

2-3/4"

Details on some views may have been omitted for clarity.



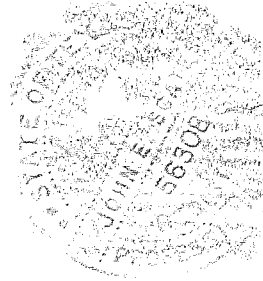
(.086) galvanized steel flag bracket fastened to wood jamb with three 5/16" x 1-5/8" wood lag screws.

Flag bracket attached to horizontal track with two 1/4" x 5/8" track bolts and nuts.

Flag bracket attached to vertical track with two 1/4" x 5/8" track bolts and nuts. Or two 1/4" x 11/32" rivets.

(.102) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

Each track bracket attached with one 1/4" x 5/8" track bolt and nut. Or two 1/4" x 11/32" rivets.



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C.H.I. Drawing: TZ10-09-64313	
Models: 3290, 3295, 329x	nts
DATE: 3-1-2013	
45.6 (psf) / - 51.1 (psf) at 06'-00" through 22.1 (psf) / - 24.8 (psf) at 13'-02"	

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