

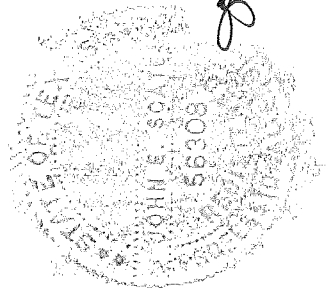
Window Options:
 1/8" DSB
 1/4" Tempered Glass
 7/16" Insulated Glass
 7/16" Tempered Insulated Glass

Door Height	Section Quantity	Stunt Quantity	Trk Brkt Quantity
6'-0" to 8'-0"	4	6	4
8'-3" to 10'-0"	5	8	6
10'-3" to 12'-0"	6	9	7
12'-3" to 14'-0"	7	11	8
14'-3" to 16'-0"	8	12	10
16'-3" to 18'-0"	9	14	11
18'-3" to 20'-0"	10	15	13
20'-3" to 22'-0"	11	17	15
22'-3" to 24'-0"	12	18	17

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

SCALE	THIS
DATE	2-18-2013
Models:	3212, 3216, 3285
	28.6 (psf) / - 32.0 (psf) at 16'-04" through
	17.3 (psf) / - 19.3 (psf) at 22'-02"
C.H.I. Drawing:	TZ5-18-63313 page 1 of 2



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 2/22/13
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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 ANS/DASMA 108-02, 108-05, & ASTM E330-02. 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 windows		No windows		Backer plates
	Design Pressure	Exp B	Design Pressure	Exp B	
22'-02"	17.3 / - 19.3 (psf)	113 (mph)	17.3 / - 19.3 (psf)	113 (mph)	5
21'-02"	18.9 / - 21.2 (psf)	118 (mph)	18.9 / - 21.2 (psf)	118 (mph)	5
20'-02"	20.9 / - 23.4 (psf)	124 (mph)	20.9 / - 23.4 (psf)	124 (mph)	4
19'-02"	23.1 / - 25.9 (psf)	130 (mph)	23.1 / - 25.9 (psf)	130 (mph)	4
18'-02"	25.7 / - 28.8 (psf)	137 (mph)	25.7 / - 28.8 (psf)	137 (mph)	4
17'-02"	25.7 / - 28.8 (psf)	137 (mph)	27.2 / - 30.5 (psf)	141 (mph)	4
16'-04"	25.7 / - 28.8 (psf)	136 (mph)	28.6 / - 32.0 (psf)	144 (mph)	3

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.

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

push nut

(.066) end stile manufactured by C.H.I.

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

push nut

(.066) end stile manufactured by C.H.I.

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.

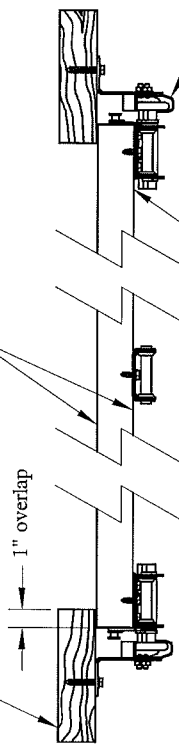
push nut

Aluminum extrusion

Vinyl weatherstrip

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.

nominal (.0155) galvanized steel minimumum



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

push nut

push nut

2-3/4"

3"

1-7/8"

1/2"

(.051) 50 ksi galvanized steel strut attached with two 1/4" x 3/4" screws per stile or hinge plate.

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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 1 1/32" 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 1 1/32" rivets.

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