

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

Door Height	Section Quantity	Strut Quantity	Trk Bkt Per Side
6'-0" to 8'-0"	4	2	3
8'-3" to 10'-0"	5	3	4
10'-3" to 12'-0"	6	4	5
12'-3" to 14'-0"	7	5	6
14'-3" to 16'-0"	8	6	8
16'-3" to 18'-0"	9	7	9
18'-3" to 20'-0"	10	8	10
20'-3" to 22'-0"	11	9	12
22'-3" to 24'-0"	12	10	13

Track bracket quantities shown are for use with grade 2 or better spruce-pine-fir (SPF) or southern pine jambs.

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	DATE	INTS
3212, 3216, 3285	2-18-2013	
Models:		
24.8 (psf) / - 27.7 (psf) at 11'-08" through		
16.8 (psf) / - 18.7 (psf) at 14'-06"		
C.H.I. Drawing: TZ5-12-63313		
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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 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.

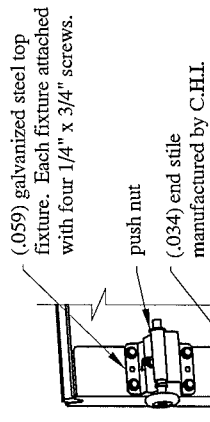
Door Width	With windows		No windows		Backer plates
	Design Pressure	Exp B	Design Pressure	Exp B	
14'-06"	16.8 / - 18.7 (psf)	110 (mph)	16.8 / - 18.7 (psf)	110 (mph)	3
14'-02"	17.6 / - 19.6 (psf)	112 (mph)	17.6 / - 19.6 (psf)	112 (mph)	3
13'-02"	20.3 / - 22.7 (psf)	120 (mph)	20.3 / - 22.7 (psf)	120 (mph)	3
12'-02"	23.8 / - 26.6 (psf)	130 (mph)	23.8 / - 26.6 (psf)	130 (mph)	2
11'-08"	23.8 / - 26.6 (psf)	130 (mph)	24.8 / - 27.7 (psf)	132 (mph)	2

Backer plate 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.

push nut

(.034) 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

(.034) 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

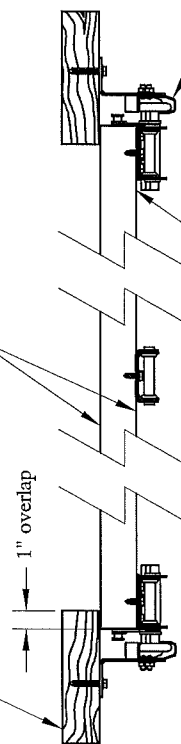
Vinyl weatherstrip

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

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.

nominal (.0155) galvanized steel minimum



(.023) backer plate at each hinge location.

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"

3"

1-7/8"

1/2"

(.051) 50 ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws per end stile and four at each intermediate stile.

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

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.

	SCALE	NIS
	DATE	2-18-2013
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