

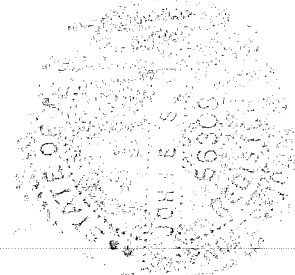
Window options (max 37.8 / - 37.8 psf)
 1/8" DSB
 1/4" Tempered Glass
 7/16" Insulated Glass
 7/16" Tempered Insulated Glass

Door Height	Section Quantity	Strut Quantity	Trk Brk Per Side
6'-0" to 8'-0"	4	10	6
8'-3" to 10'-0"	5	13	9
10'-3" to 12'-0"	6	15	11
12'-3" to 14'-0"	7	18	13
14'-3" to 16'-0"	8	20	14
16'-3" to 18'-0"	9	23	15
18'-3" to 20'-0"	10	25	17
20'-3" to 22'-0"	11	28	19
22'-3" to 24'-0"	12	30	22

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 three track brackets per side or seven track brackets per side for doors taller than 14 feet.

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.

		SOLE NIS DATE 2-12-2013
Models:	3220, 3221, 3222, 3240, 3241, 3242, 3250, 3251, 3252	
	38.2 (psf) / - 38.2 (psf) at 18'-00" through 25.4 (psf) / - 25.4 (psf) at 22'-02"	
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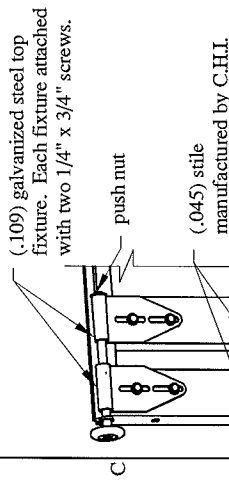
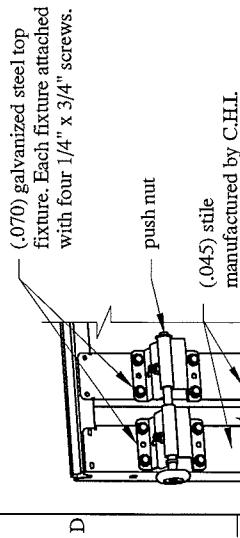
This door has been evaluated per ASCE 7-02 & 7-05 as referenced by 2006 IBC 1609 & 2006 IRC 301, in accordance with ANSI/DASMA 108-02, 108-05, & ASTM E330-02. Design Pressures (DP) typically meet requirements for the following exposure B wind speeds. These wind speeds are for 8' high doors on buildings with a flat roof height less than 30 feet.

Door Width	With windows		No windows		Center Stiles
	Design Pressure	Exp B	Design Pressure	Exp B	
22'-02"	25.4 / - 25.4 (psf)	129 (mph)	25.4 / - 25.4 (psf)	129 (mph)	9
21'-02"	27.8 / - 27.8 (psf)	135 (mph)	27.8 / - 27.8 (psf)	135 (mph)	9
20'-02"	30.7 / - 30.7 (psf)	142 (mph)	30.7 / - 30.7 (psf)	142 (mph)	9
19'-02"	34.0 / - 34.0 (psf)	149 (mph)	34.0 / - 34.0 (psf)	149 (mph)	9
18'-02"	37.8 / - 37.8 (psf)	157 (mph)	37.8 / - 37.8 (psf)	157 (mph)	7
18'-00"	37.8 / - 37.8 (psf)	157 (mph)	38.2 / - 38.2 (psf)	157 (mph)	7

Center stile quantity is minimum per section without windows. Sections with windows may reduce minimum center stile quantity as shown.

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

Strut (if applicable) not shown for clarity.



Optional low head room top bracket

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

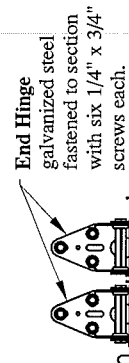
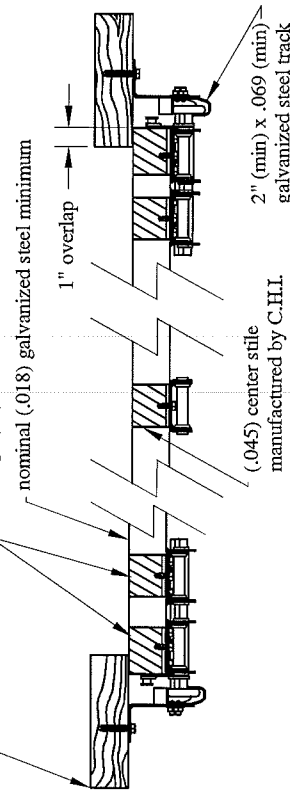
nominal \varnothing 2" (min.)
10 (min.) ball roller
with nylon or steel tread.

(.109) galvanized steel auxiliary bottom bracket (DES) attached with two 1/4" x 3/4" screws.

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

Aluminum extrusion

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.



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

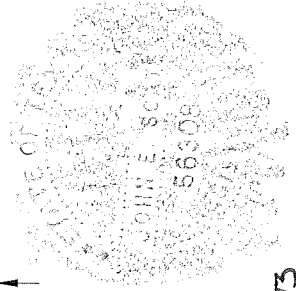
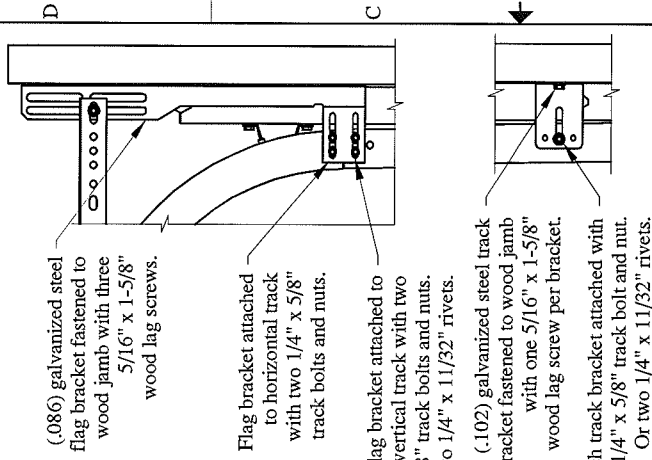
(.051) 50 ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws per stile or hinge plate.

(.109) galvanized steel auxiliary bottom bracket (DES) attached with two 1/4" x 3/4" screws.

(.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

Details on some views may have been omitted for clarity.



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C.H.I. DRAWING	SCALE	nis
	DATE	2-12-2013

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C.H.I. Drawing: 17Z8-18-61.313 page_2_of_2