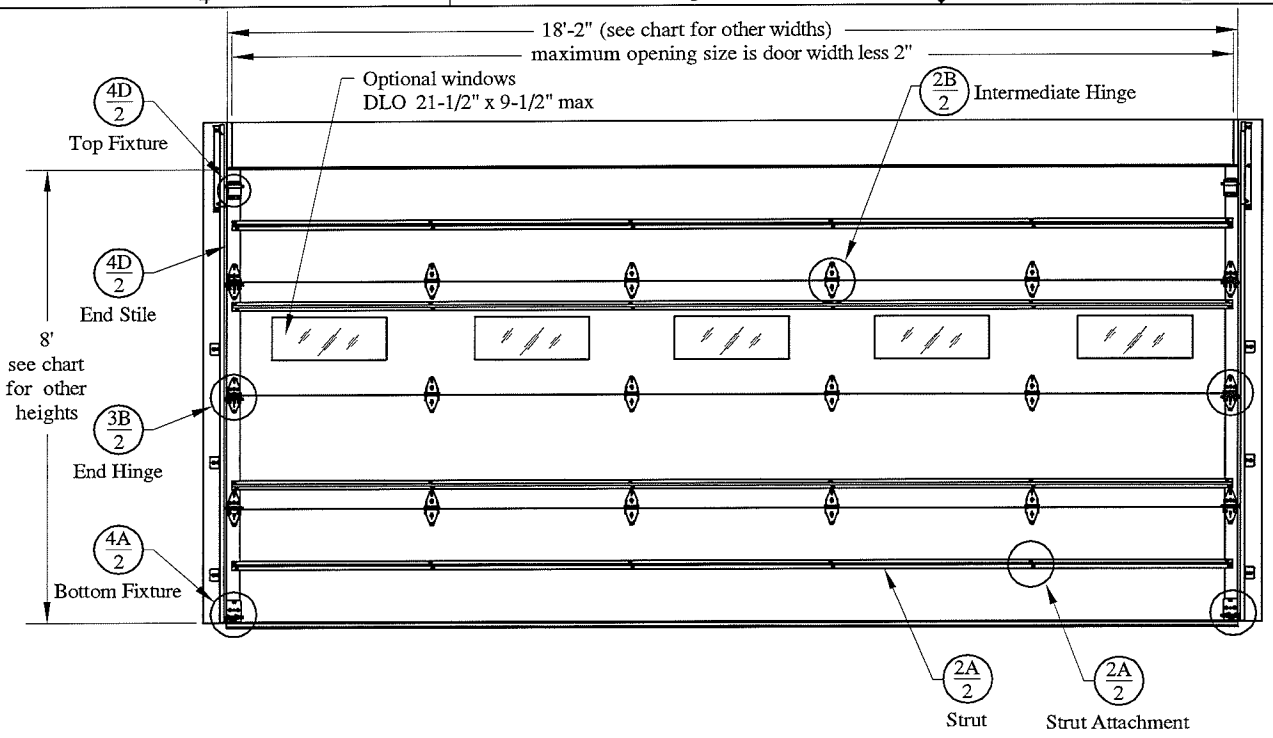


Window Options:
1/8" DSB
1/4" Tempered Glass
7/16" Insulated Glass
7/16" Tempered Insulated Glass

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

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.

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	
19'-02"	16.5 / - 20.6 (psf)	110 (mph)	16.5 / - 20.6 (psf)	110 (mph)	4
18'-02"	18.4 / - 22.9 (psf)	116 (mph)	18.4 / - 22.9 (psf)	116 (mph)	4
17'-02"	18.4 / - 22.9 (psf)	116 (mph)	19.5 / - 24.2 (psf)	119 (mph)	4
16'-08"	18.4 / - 22.9 (psf)	115 (mph)	20.1 / - 25.0 (psf)	121 (mph)	4

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

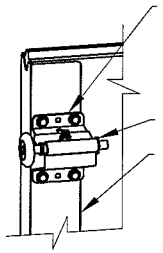
Professional Engineer's seal provided only for verification of windload construction details

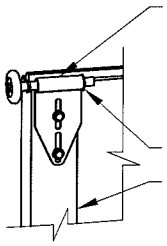
John E. Scates
2/22/13

John E. Scates, P.E.
3121 Fairgate Drive
Carrollton, Texas 75007
TXPE 56308, F-2203

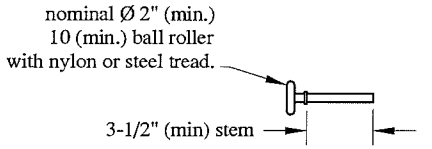
C.H.I. OVERHEAD DOORS
SCALE nts
DATE 2-18-2013
Models: 3212, 3216, 3285
20.1 (psf) / - 25.0 (psf) at 16'-08" through 16.5 (psf) / - 20.6 (psf) at 19'-02"
C.H.I. Drawing: TZ3-18-63313

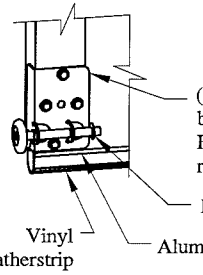
Strut (if applicable) not shown for clarity.



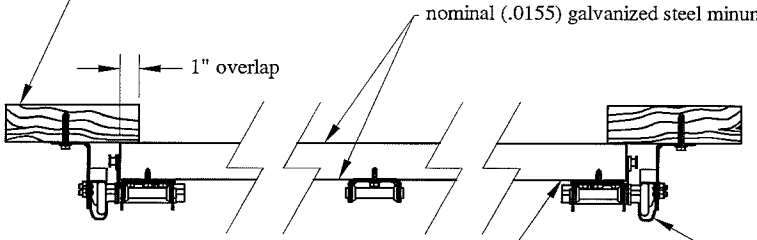


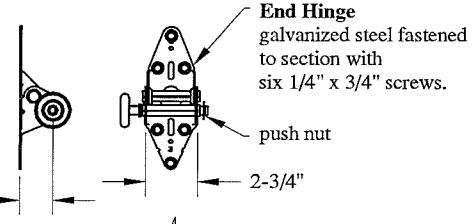
Optional low head room top bracket

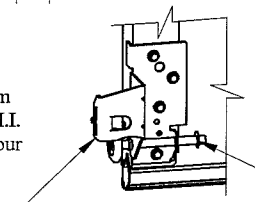




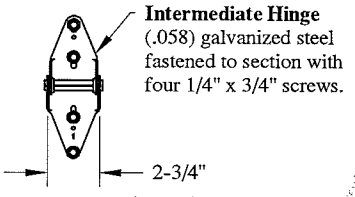
The vertical wood jamb fasteners may be counter sunk to provide a flat mounting surface. See jamb attachment details for more information about attaching jambs to structure.

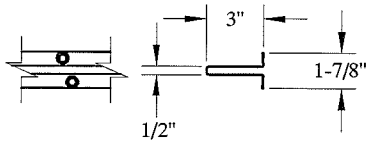






Optional low head room bottom bracket

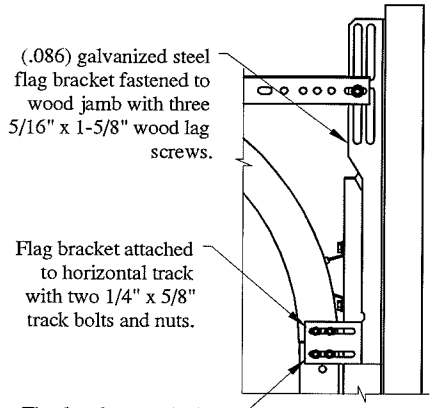


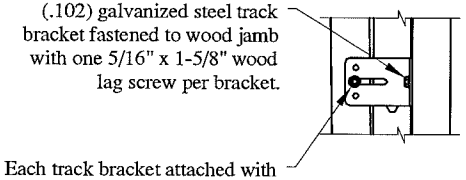


(.051) 50 ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws per stile or hinge plate.

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

Details on some views may have been omitted for clarity.





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