

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

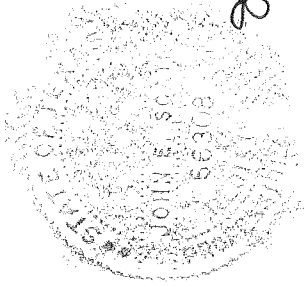
Door Height	Section Quantity	Strut Quantity	Trk Brkt Per Side
6'-0" to 8'-0"	4	8	5
8'-3" to 10'-0"	5	10	7
10'-3" to 12'-0"	6	12	9
12'-3" to 14'-0"	7	14	11
14'-3" to 16'-0"	8	16	13
16'-3" to 18'-0"	9	18	15
18'-3" to 20'-0"	10	20	17
20'-3" to 22'-0"	11	22	19
22'-3" to 24'-0"	12	24	21

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

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	
17'-06"	34.0 / - 37.0 (psf)	155 (mph)	34.0 / - 37.0 (psf)	155 (mph)	4
17'-02"	35.3 / - 38.5 (psf)	158 (mph)	35.3 / - 38.5 (psf)	158 (mph)	4
16'-06"	38.2 / - 41.7 (psf)	165 (mph)	38.2 / - 41.7 (psf)	165 (mph)	3
16'-02"	39.8 / - 43.4 (psf)	168 (mph)	39.8 / - 43.4 (psf)	168 (mph)	3

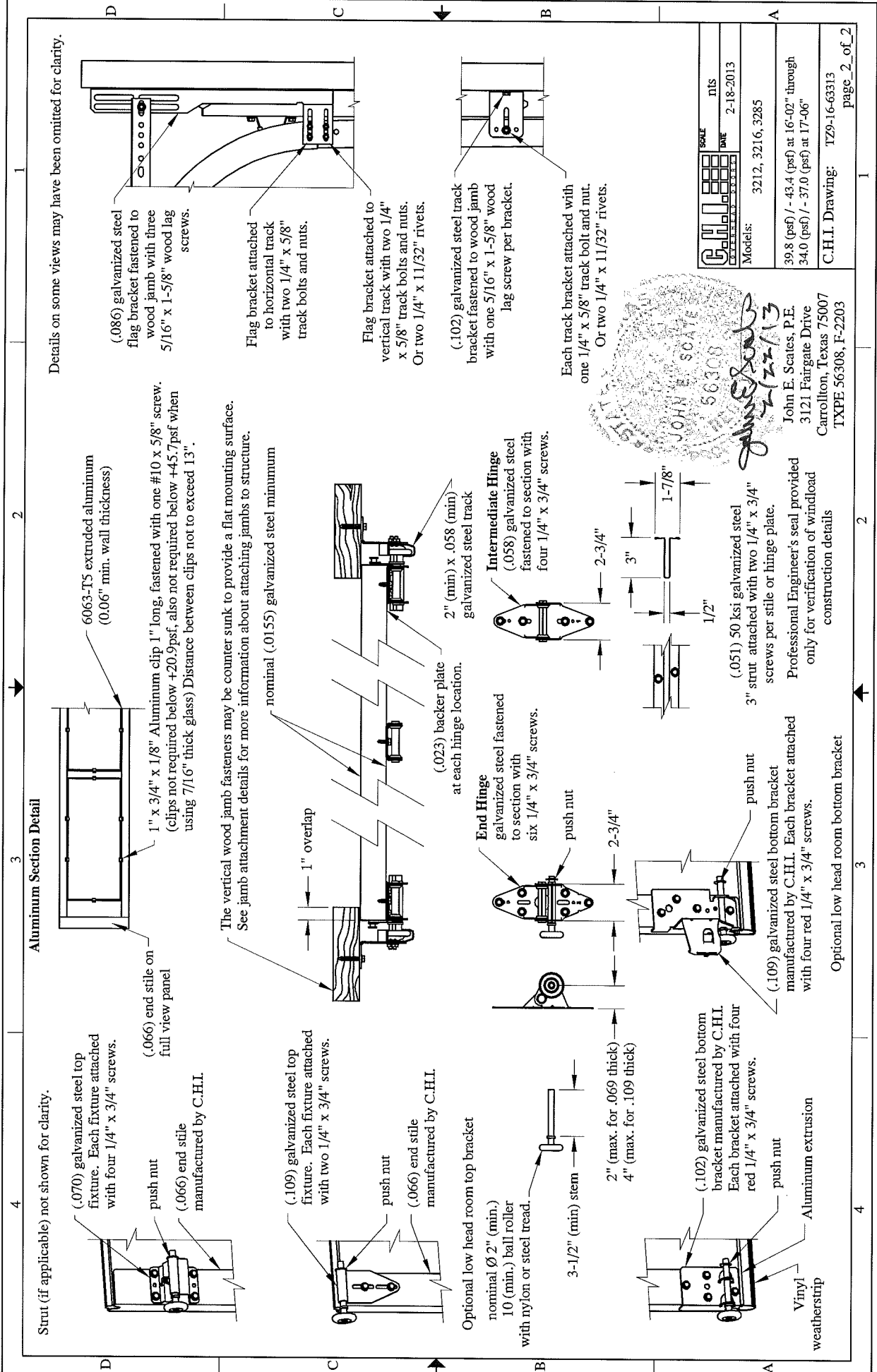
Supporting structural elements to be designed by registered professional engineer for specified wind loads. If door is not electrically operated, a lock must be installed. Door height: 24'-0" max Section height: 24" max



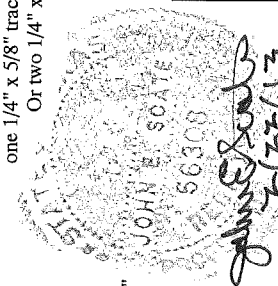
John E. Scates
 2/22/13
 John E. Scates, P.E.
 3121 Fairgate Drive
 Carrollton, Texas 75007
 TXPE 56308, F-2203

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

SCALE	NIS
DATE	2-18-2013
Models:	3212, 3216, 3285
	39.8 (psf) / - 43.4 (psf) at 16'-02" through 34.0 (psf) / - 37.0 (psf) at 17'-06"
C.H.I. Drawing:	TZ9-16-6313 page 1_of_2



Details on some views may have been omitted for clarity.



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