

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

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.

Supplemental Instructions contain details for doors up to 20'-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 in accordance with ASTM E330-02 and ANSI/DASMA 108-02, 108-05 and for windborne debris in accordance with ASTM E1886-05/E1996-09 and ANSI/DASMA 115-05 (9 pound missile) 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. Maximum door height: 20'-0" Maximum section height: 21" This door has been evaluated per ASCE 7-02 & 7-05 as referenced by 2006 IBC 1609 & 2006 IRC 301. Design Pressures (DP) typically meet requirements for the following exposure B wind speeds. These wind speeds are for 7' high doors on buildings with mean roof height less than 30 feet.

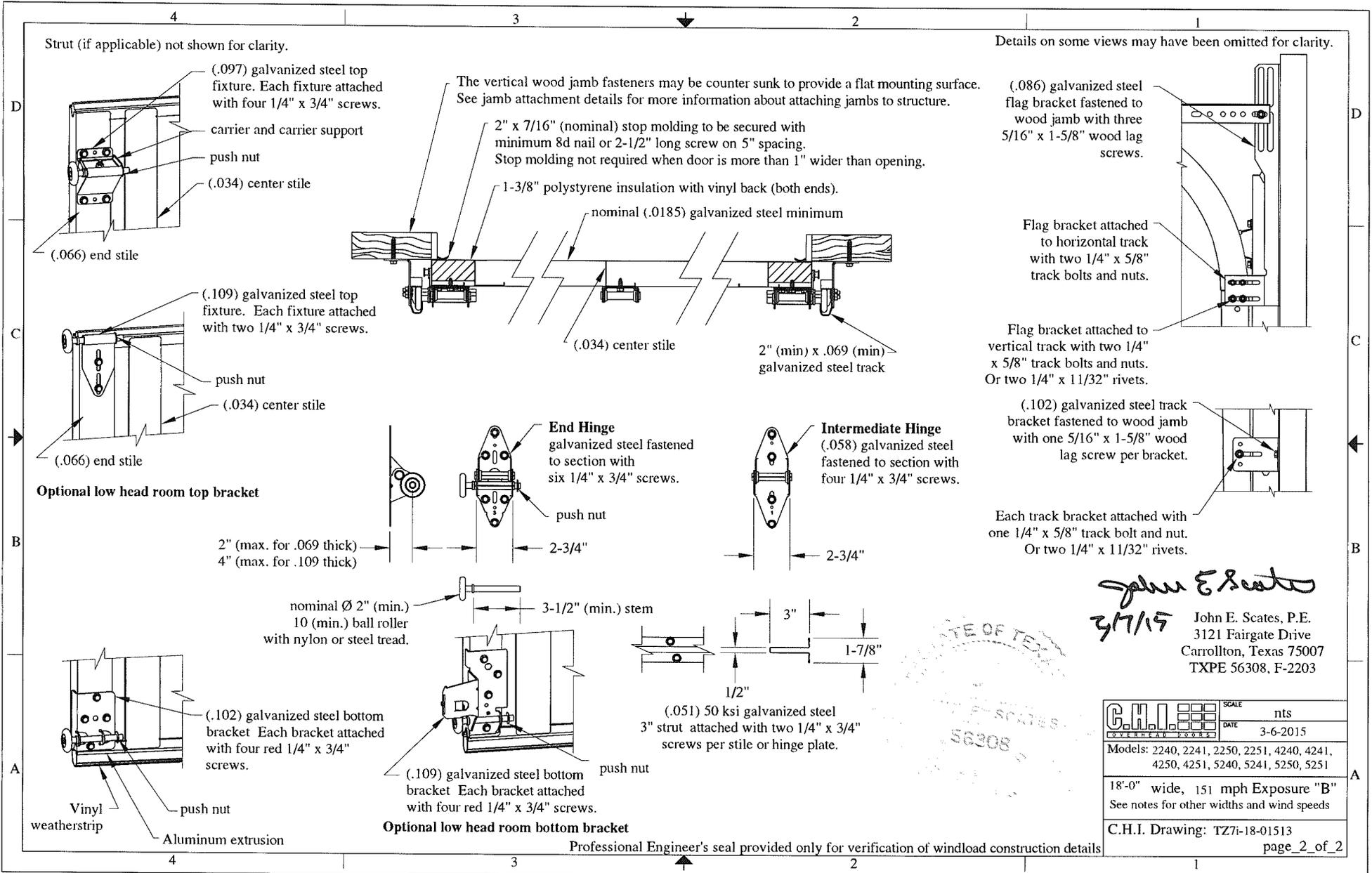
Width	Design Pressure	Exposure "B"	Center Stiles
18'-00"	+ 34.5 (psf) / - 38.4 (psf)	151 (mph)	7
17'-00"	+ 36.5 (psf) / - 40.7 (psf)	155 (mph)	7
16'-00"	+ 42.1 (psf) / - 46.9 (psf)	166 (mph)	7
15'-04"	+ 43.9 (psf) / - 48.9 (psf)	170 (mph)	6
15'-02"	+ 44.0 (psf) / - 49.0 (psf)	170 (mph)	6
14'-00"	+ 44.0 (psf) / - 49.0 (psf)	169 (mph)	6
13'-00"	+ 44.0 (psf) / - 49.0 (psf)	168 (mph)	5
12'-00"	+ 44.0 (psf) / - 49.0 (psf)	168 (mph)	5
11'-00"	+ 44.0 (psf) / - 49.0 (psf)	167 (mph)	4
10'-08"	+ 44.0 (psf) / - 49.0 (psf)	167 (mph)	4

John E. Scates
 John E. Scates, P.E. 3/7/15
 3121 Fairgate Drive
 Carrollton, Texas 75007
 TXPE 56308, F-2203



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

C.H.I. Drawing: TZ7I-18-01513
 SCALE: nts
 DATE: 3-6-2015
 Models: 2240, 2241, 2250, 2251, 4240, 4241, 4250, 4251, 5240, 5241, 5250, 5251
 18'-0" wide, 151 mph Exposure "B"
 See notes for other widths and wind speeds
 page 1_of_2



John E. Scates
 3/7/15
 John E. Scates, P.E.
 3121 Fairgate Drive
 Carrollton, Texas 75007
 TXPE 56308, F-2203



C.H.I. ENGINEERING	SCALE	nts
	DATE	3-6-2015
Models: 2240, 2241, 2250, 2251, 4240, 4241, 4250, 4251, 5240, 5241, 5250, 5251		
18'-0" wide, 151 mph Exposure "B" See notes for other widths and wind speeds		
C.H.I. Drawing: TZ71-18-01513		page_2_of_2

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