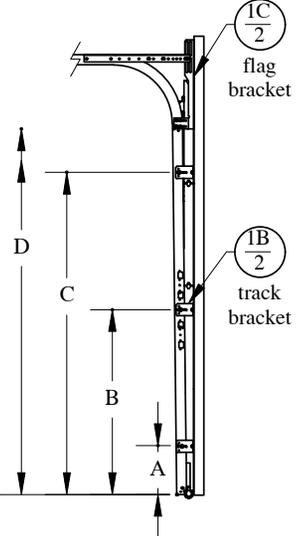


Door Model	Gauge int/ext	Decimal int/ext
2283/2284	27 / 27	.0155 / .0155
2285/2286	27 / 26	.0155 / .0170
4285	27 / 26	.0155 / .0170

door height	section quantity	strut quantity	trk bkt per side
6'-6" to 7'-0"	4	8	3
7'-6" to 8'-0"	5	9	4
8'-3" to 8'-9"	5	10	4
9'-0" to 10'-6"	6	12	5
10'-9" to 12'-3"	7	14	6
12'-6" to 14'-0"	8	16	7

Refer to Supplemental Instructions for strut placement on doors over 7'-0" high



Track Bracket Chart		door height								
		6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"
track brackets	D	n/a	n/a	n/a	72"	69"	72"	81"	84"	87"
	C	60"	63"	66"	58"	55"	58"	60"	63"	66"
	B	35"	35"	38"	34"	31"	34"	32"	35"	38"
	A	10"	7"	10"	10"	7"	10"	4"	7"	10"

Track bracket locations shown above are for doors up to five sections high. Additional door sections may be added for a maximum door height of 14'-0". One track bracket (per track) must be added for each section and spaced at a distance not greater than the corresponding section height.

This door has been tested in accordance with ANSI/DASMA 108-2002  
 Design Pressure (DP): 34.3 pos / 38.3 neg  
 Test Pressure (TP): 51.6 pos / 57.5 neg

Per 2005 ASCE/SEI 7-05, DP meets or exceeds basic wind speed of;  
 V = 150 MPH for Exposure B and mean roof height of 30' or less  
 V = 117 MPH for Exposure C and mean roof height of 30' or less

Maximum door size: 16'-0" wide by 14'-0" tall

Glazing and door have not been tested for windborne debris.

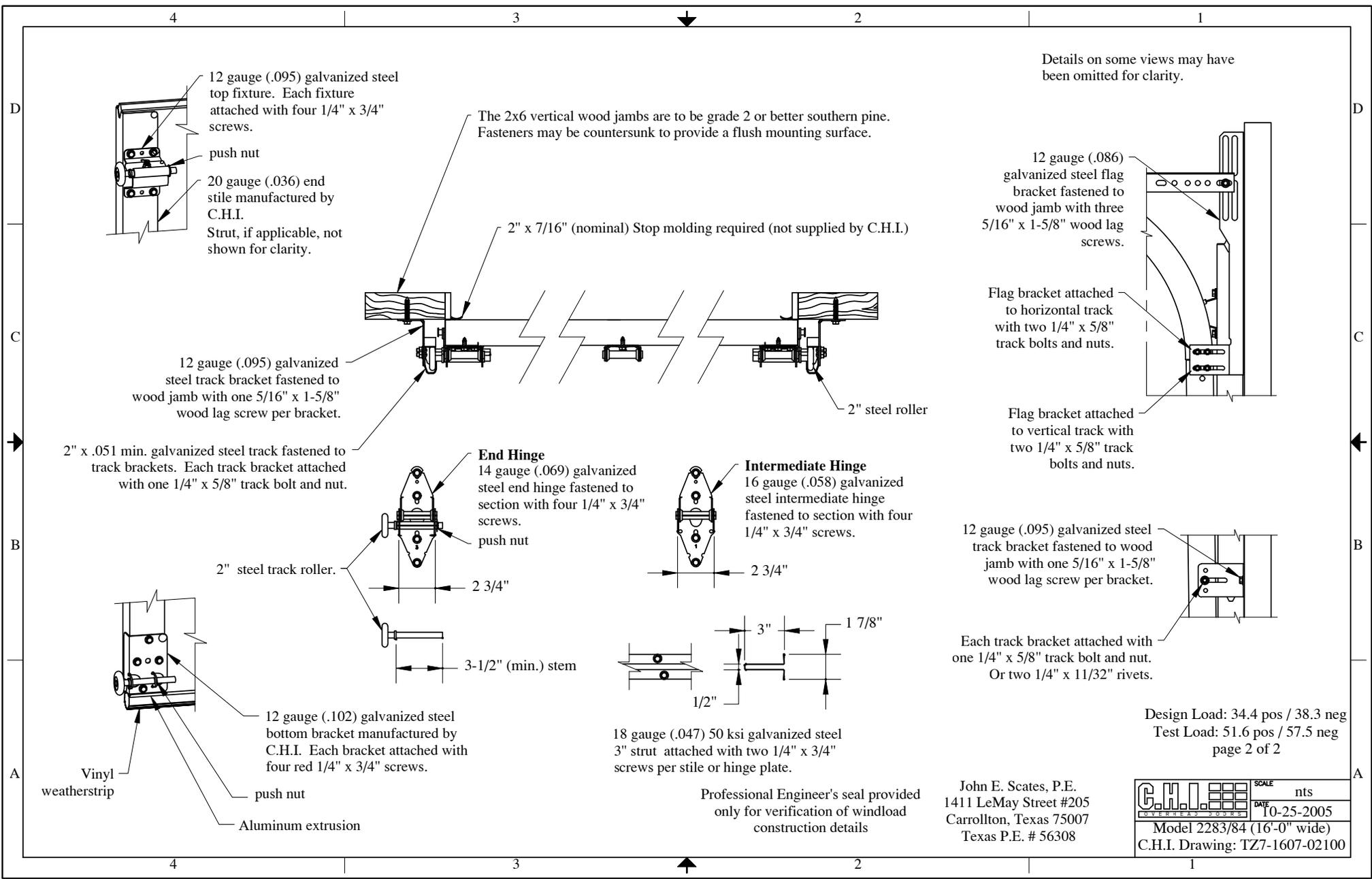
Wood buck and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing.

If door is not electrically operated, a lock must be installed.

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

John E. Scates, P.E.  
 1411 LeMay Street #205  
 Carrollton, Texas 75007  
 Texas P.E. # 56308

**C.H.I.** SCALE nts  
 DATE 10-25-2005  
 Model 2283/84 (16'-0" wide)  
 C.H.I. Drawing: TZ7-1607-02100



12 gauge (.095) galvanized steel top fixture. Each fixture attached with four 1/4" x 3/4" screws.

push nut  
20 gauge (.036) end stile manufactured by C.H.I.  
Strut, if applicable, not shown for clarity.

The 2x6 vertical wood jambs are to be grade 2 or better southern pine. Fasteners may be countersunk to provide a flush mounting surface.

2" x 7/16" (nominal) Stop molding required (not supplied by C.H.I.)

12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

2" x .051 min. galvanized steel track fastened to track brackets. Each track bracket attached with one 1/4" x 5/8" track bolt and nut.

**End Hinge**  
14 gauge (.069) galvanized steel end hinge fastened to section with four 1/4" x 3/4" screws.  
push nut

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

2" steel track roller.  
2 3/4"  
3-1/2" (min.) stem

18 gauge (.047) 50 ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws per stile or hinge plate.  
1/2"  
3"  
1 7/8"

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

Vinyl weatherstrip  
push nut  
Aluminum extrusion

Details on some views may have been omitted for clarity.

12 gauge (.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.

12 gauge (.095) 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.

Design Load: 34.4 pos / 38.3 neg  
Test Load: 51.6 pos / 57.5 neg  
page 2 of 2

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

John E. Scates, P.E.  
1411 LeMay Street #205  
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	SCALE	nts
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