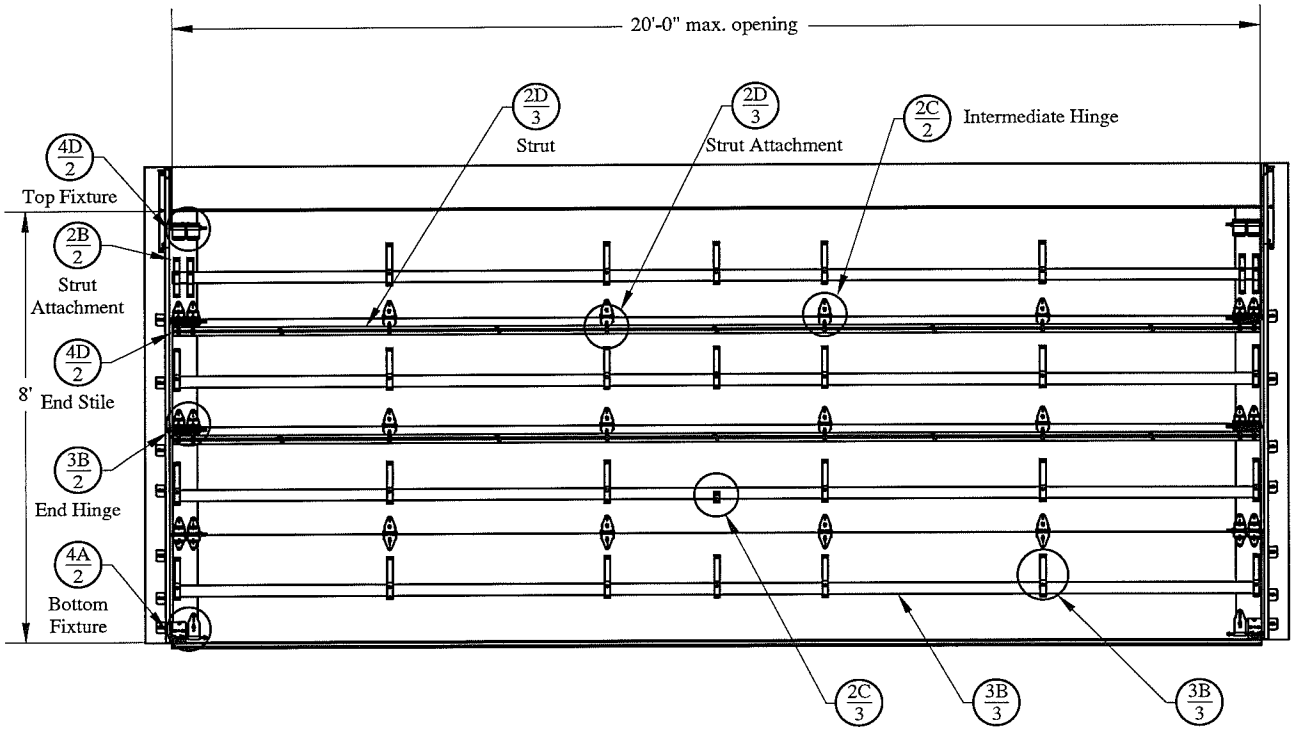
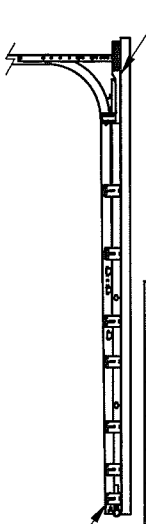
Window Option: No Window options are available.





door height	section quantity	cee strut quantity	narrow strut quantity	trk brkt per side
6'-0" to 8'-0"	4	4	2	7
8'-3" to 10'-0"	5	5	3	9
10'-3" to 12'-0"	6	6	4	11
12'-3" to 14'-0"	7	7	5	13
14'-3" to 16'-0"	8	8	6	15
16'-3" to 18'-0"	9	9	7	17
18'-3" to 20'-0"	10	10	8	19

Track bracket quantities shown are for use with grade 2 or better spruce-pine-fir (SPF) or southern pine jambs.

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 ANSI/DASMA 108-02 and 108-05, and ASTM E 330-02, and ANSI/DASMA 115-05 and ASTM E 1886-05 / E 1996-09 (9 POUND MISSILE).

Per ASCE 7-02 & 7-05 as referenced by 2006 IBC 1609 and 2006 IRC 301,

Design Pressures (DP) typically meet or exceed the requirements for the following wind speeds.

These wind speeds are for 7' high doors, taller openings typically withstand higher wind speeds.

V = 151 MPH for Exposure B and mean roof height of 30' or less

V = 127 MPH for Exposure C and mean roof height of 30' or less

Maximum section height: 24"

Door has 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

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Carrollton, Texas 75007
TXPE 56308, F-2203

STATE OF TEXAS JOHN E. SCATES 56308 REGISTERED PROFESSIONAL ENGINEER

C.H.I. OVERHEAD DOORS

SCALE nts

DATE 05-19-2012

Model 53XX/54XX/55XX/56XX/57XX/58XX

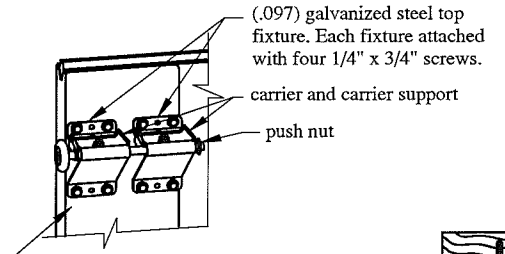
Width: 20'-0"

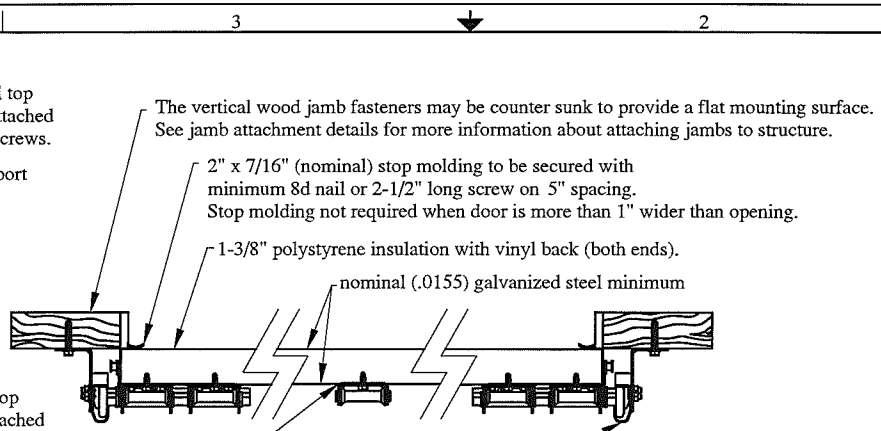
Design Pressure (DP): 34.1 pos / 37.9 neg

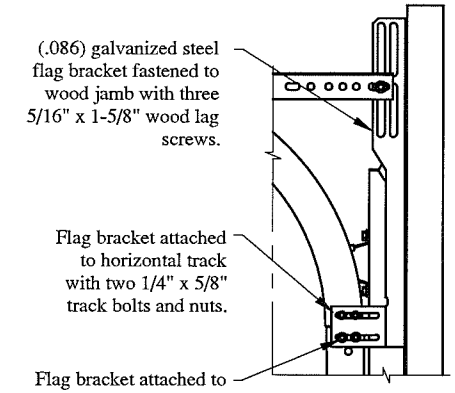
C.H.I. Drawing: TZ7i-20-04503

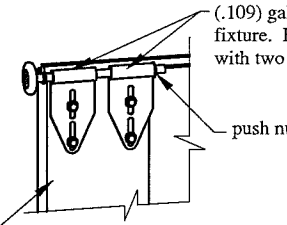
Strut (if applicable) not shown for clarity.

Details on some views may have been omitted for clarity.

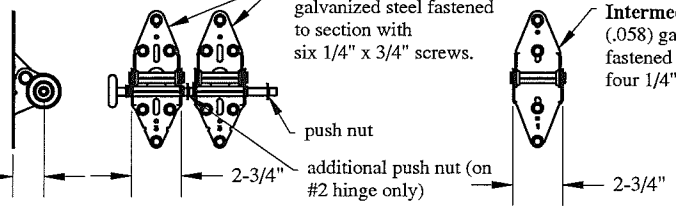


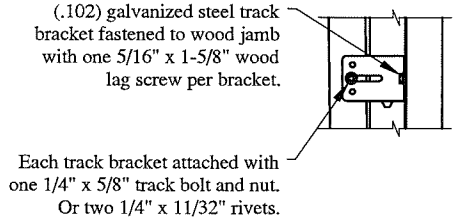


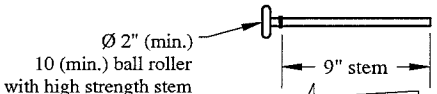


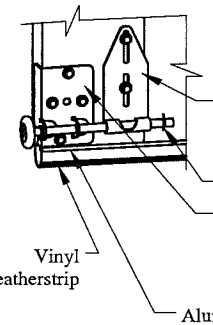


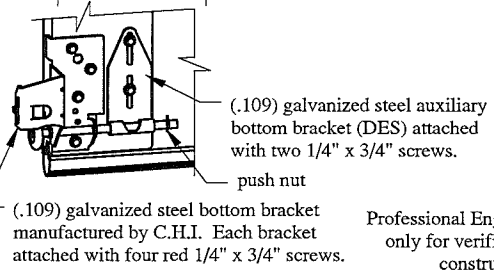
Optional low head room top bracket











Optional low head room bottom bracket

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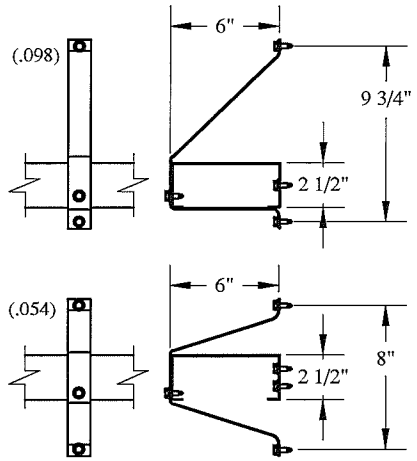
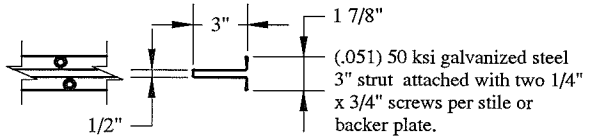
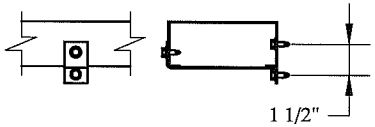
C.H.I. OVERHEAD DOORS	SCALE nts
	DATE 05-19-2012
Model 53XX/54XX/55XX/56XX/57XX/58XX	
Width: 20'-0"	
Design Pressure (DP): 34.1 pos / 37.9 neg	
C.H.I. Drawing: TZ7i-20-04503	
page 2 of 3	



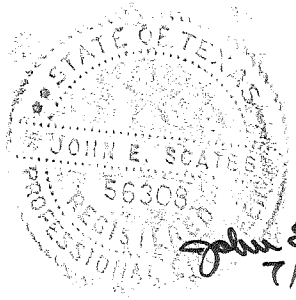
(.073) 50 ksi galvanized steel 6" Cee Strut attached with one 1/4" x 3/4" self tapping screw per stile or backer plate. One (.098) strap attached to section with two 1/4" x 3/4" screws and attached to strut with one 1/4" x 3/4" screw at each hinge location, except section #2 having one extra strap and one leg brace (as shown). Section #4 utilizes two (.054) straps per end stile. One additional self tapping screw is used on each end stile.



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



One (.098) leg brace on #2 section on the center stile or backer plate and fastened with two 1/4" x 3/4" screws.



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7/16/12

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C.H.I. OVERHEAD DOORS	SCALE nts
	DATE 05-19-2012
Model 53XX/54XX/55XX/56XX/57XX/58XX	
Width: 20'-0"	
Design Pressure (DP): 34.1 pos / 37.9 neg	
C.H.I. Drawing: TZ7i-20-04503	