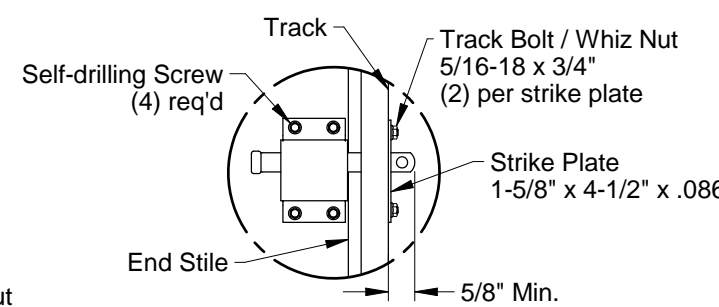


Top Fixture Attachment
See detail on sheet 3



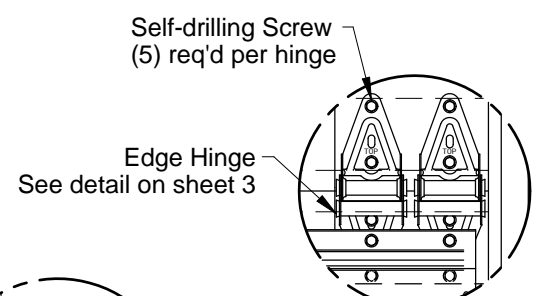
Optional Interior Lock Attachment
5/8" Min.

Doors tested per ANSI/DASMA 108 for static air pressure

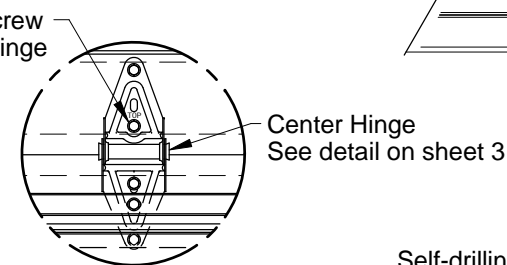
Maximum Door Width	Qty. of Hinge Rows	Design Load	
8'-2"	1	29.5	-32.6
9'-2"	1		
10'-2"	2		
12'-2"	2		
14'-2"	3	26.6	-29.4
16'-2"	3		
18'-2"	4		
20'-2"	4	22.0	-24.3
22'-2"	5		

Scott A. Brown, P.E. Lic. No. 65940
Wendler Engineering Services, Inc.
698 Timber Creek Road, Dixon, IL 61021
FBPE CA Lic. No. 31544
Structural Adequacy for Wind Load

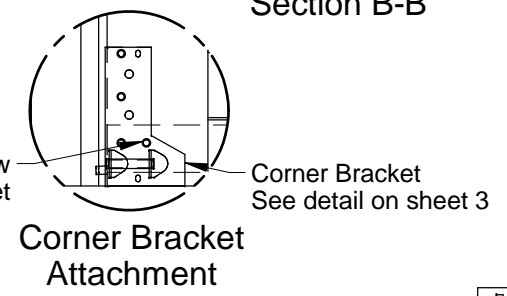
Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.



Edge Hinge Attachment
See detail on sheet 3



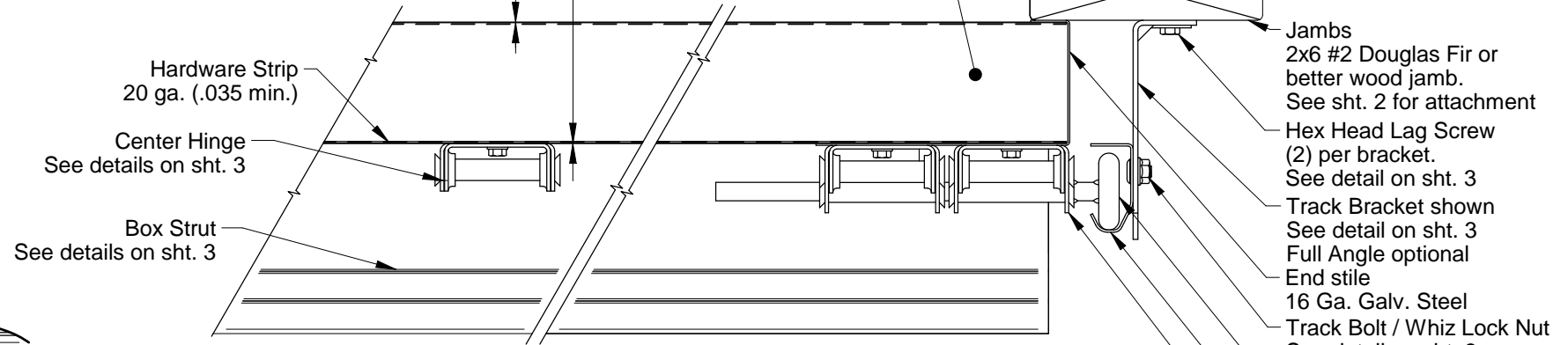
Center Hinge Attachment
See detail on sheet 3



Corner Bracket Attachment
See detail on sheet 3

Interior Skin
.013 thick G-40 galvanized steel with an epoxy primer and baked on polyester finish which is roll-formed with stucco texture.

Exterior Skin
.013 thick G-40 galvanized steel with an epoxy primer and baked on polyester finish which is roll-formed with stucco texture.



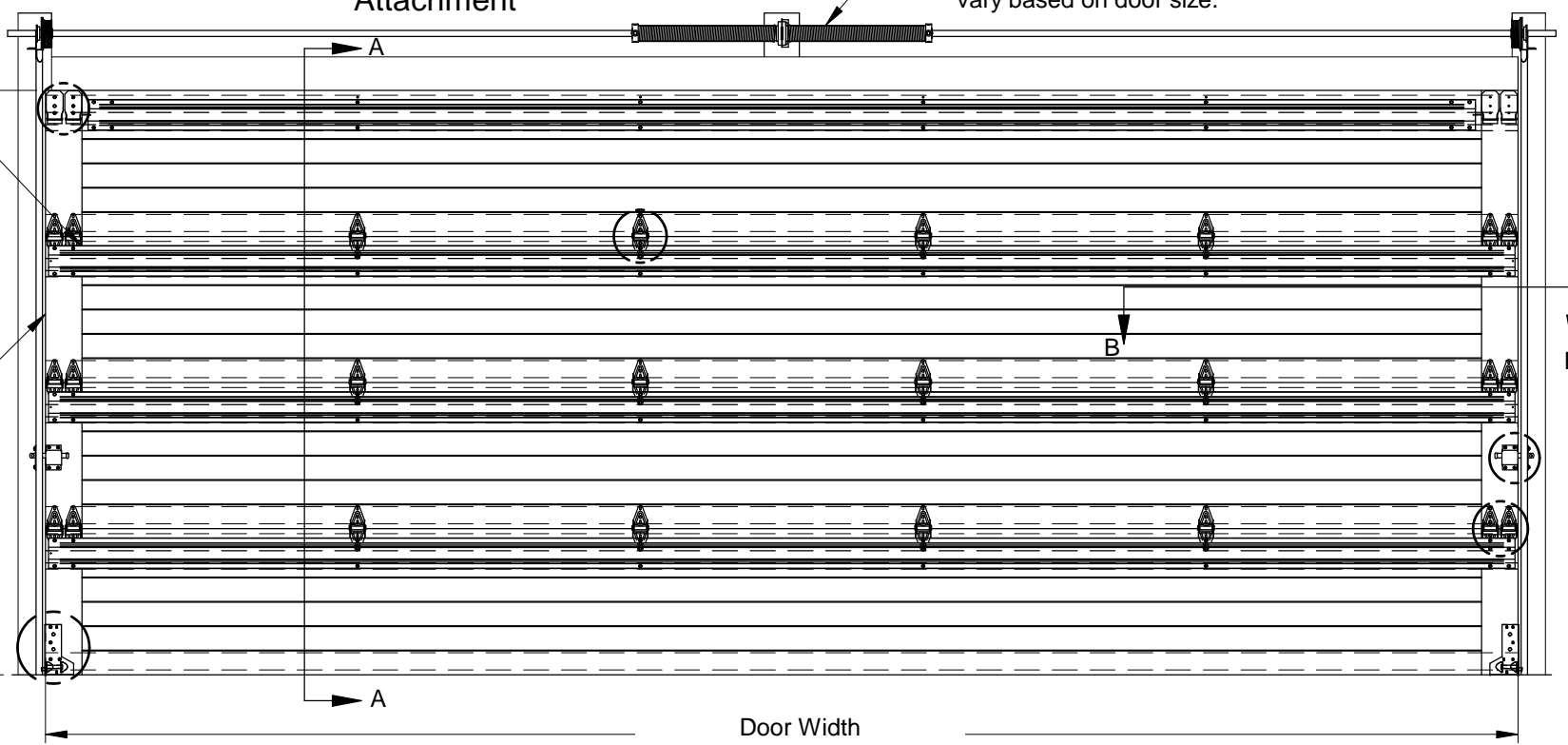
Section B-B

Steel Reinforcement
(1) Box strut per section, fastened to all center and end stiles using (2) sheet metal screws at each stile.

Double endstiles

Locks required on doors not electrically operated.

Vents (Optional)
Vent openings may be located in bottom section as allowed by local code



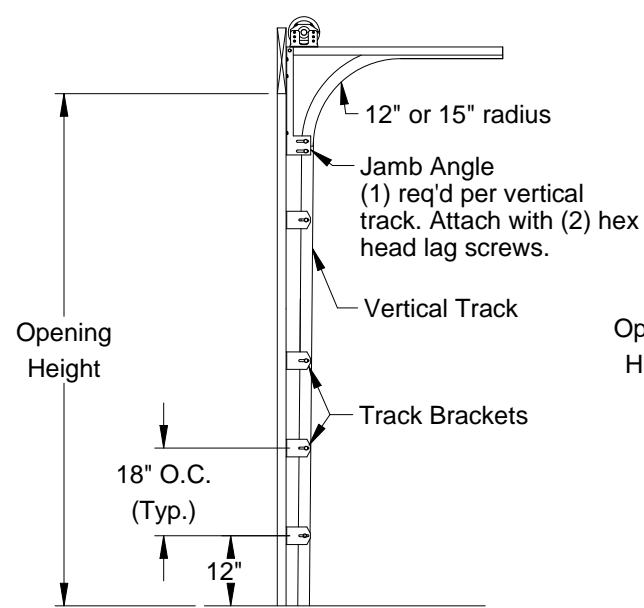
Door Width
See chart for other door widths (20'-2" shown)

Interior Elevation

Rev.	Description	ECO	Date
A	New release for production.	8132.01	03/21/19

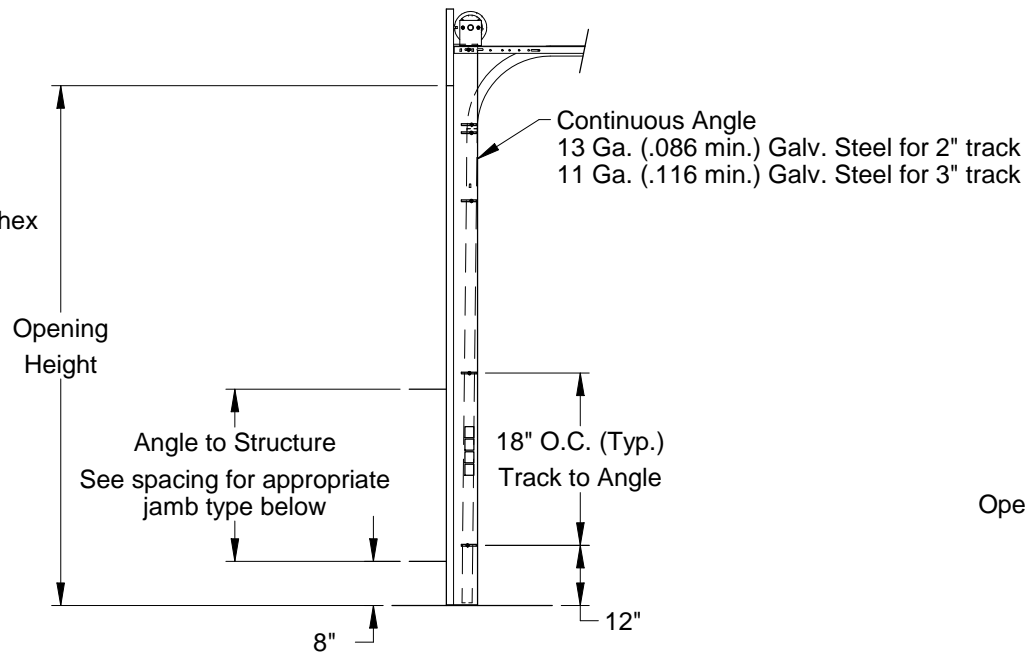
Scale: None
Drawn by: R. Frey
Checked by: G. Wedekind
Date: 03/21/19
ECO: 8132.01

 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load TM300	
	No. P-2435	Sheet 1 of 3

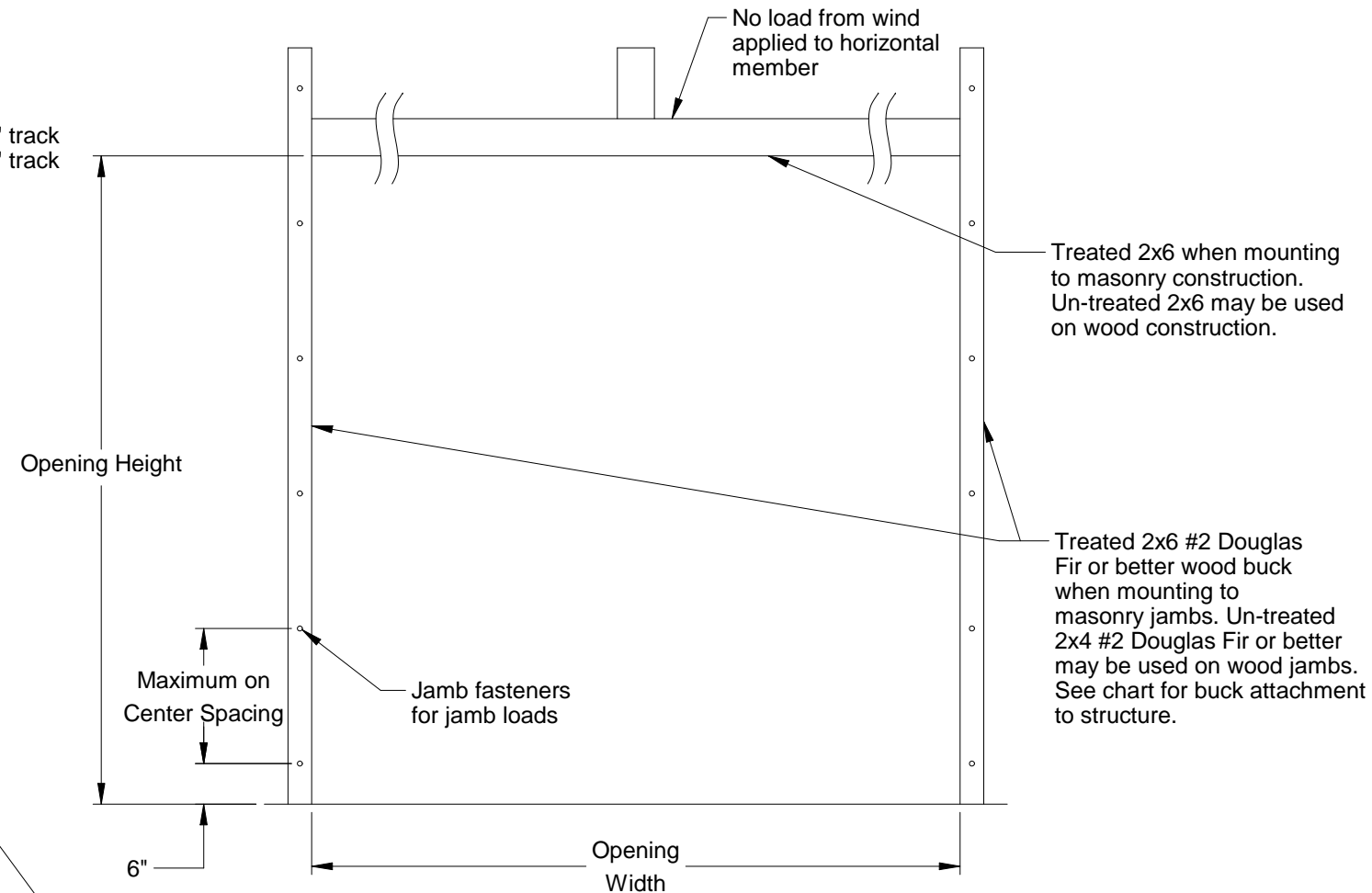


**Typical Track Installation
Bracket Mount
Wood Jamb**

Normal headroom track shown, low headroom, lift clearance and vertical lift track available

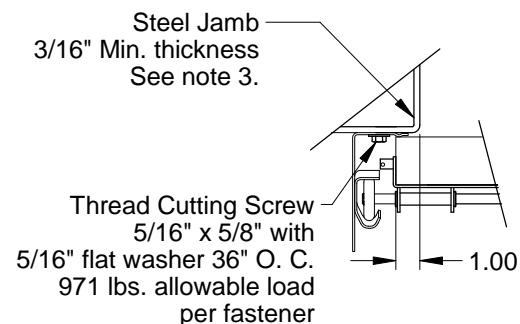


**Typical Track Installation
Angle Mount
Wood, Steel or Concrete Jamb**



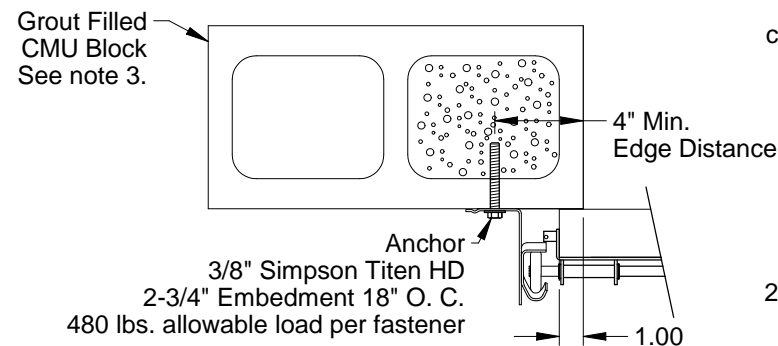
Jamb Attachment Notes:

1. Maximum Positive Load per Jamb = $(20'-2" \times 26.6 \text{ PSF}) / 2 = 268 \text{ lbs. per foot.}$
2. Maximum Negative Load per Jamb = $(20'-2" \times -29.4 \text{ PSF}) / 2 = 296 \text{ lbs. per foot.}$
3. Design of the supporting structure shall be the sole responsibility of the building designer and shall be designed for the jamb loads listed in notes 1 and 2.
4. Alternate jamb attachments may be used if approved by a registered Professional Engineer.
5. DASMA Technical Data Sheet TDS-161 may be used for alternate jamb attachments.
6. 3/8" diameter lag screws required 1/16" pilot hole and 1-1/2" minimum required distance.



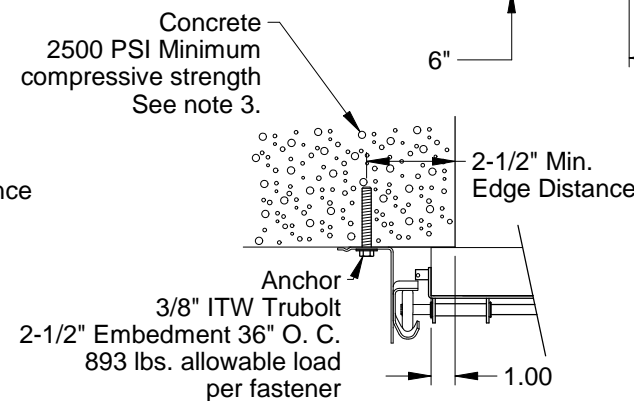
**Track Assembly Attachment
to Steel Jamb**

2" Track Angle Mount Turned-in (shown)
3" Track Angle Mount Available



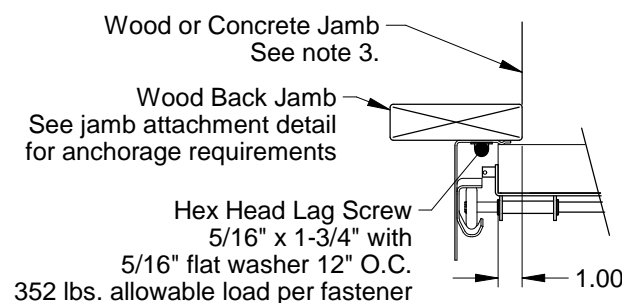
**Track Assembly Attachment
to Grout Filled CMU Block**

2" Track Angle Mount Turned-out (shown)
3" Track Angle Mount Available



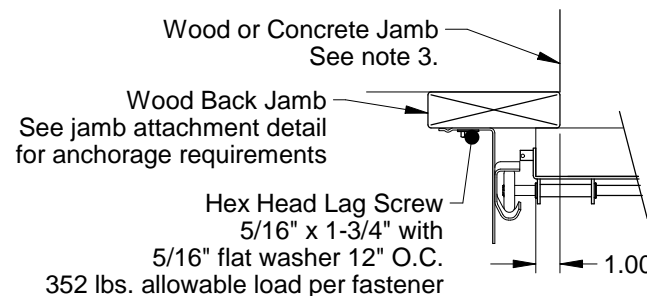
**Track Assembly Attachment
to 2500 PSI Min. Concrete**

2" Track Angle Mount Turned-out (shown)
3" Track Angle Mount Available



**Track Assembly Attachment
to Wood Back Jamb**

2" Track Angle Mount Turned-in (shown)
3" Track Angle Mount Available



**Track Assembly Attachment
to Wood Back Jamb**

2" Track Angle Mount Turned-out (shown)
3" Track Angle Mount Available

2x6 Attachment to Structure						
Structure Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Minimum on Center Spacing	Maximum on Center Spacing	Allowable Tension Load
2500 PSI Min. Concrete	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	2.5"	6"	23"	526
Southern Pine	3/8" x 3" Lag with 1-1/8" OD Washer	1.50"	1.50"	1.50"	24"	655
Spruce Pine Fir	3/8" x 3" LAG with 1-1/8" OD Washer	1.50"	1.50"	1.50"	21"	482

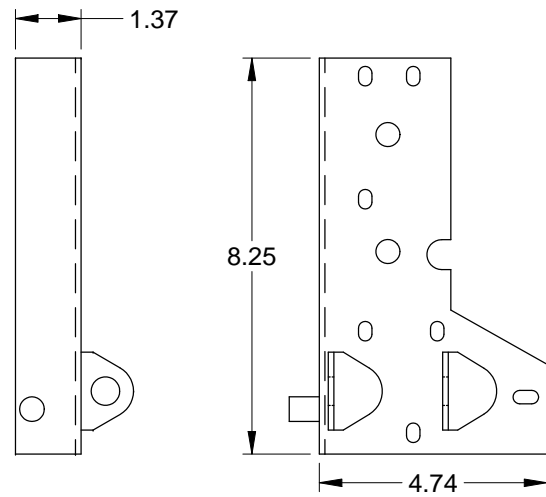
Scott A. Brown, P.E. Lic. No. 65940
Wendler Engineering Services, Inc.
698 Timber Creek Road, Dixon, IL 61021
FBPE CA Lic. No. 31544
Structural Adequacy for Wind Load

Scale: None
Drawn by: R. Frey
Checked by: G. Wedekind
Date: 03/21/19
ECO: 8132.01

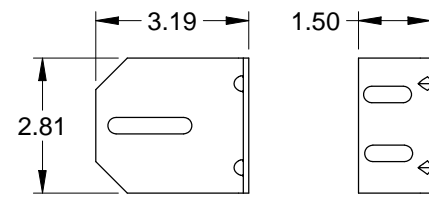


1101 East River Road
Dixon, IL 61021

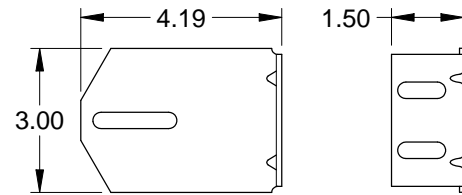
Title: Spec, Wind Load TM300	
No. P-2435	Rev A
Sheet 2	



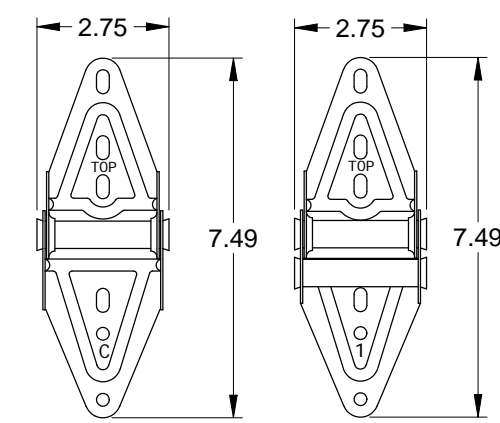
Corner Bracket
(For doors over 600 lbs.)
.116 Galv. Steel



3" Track Bracket
.116 Galv. Steel

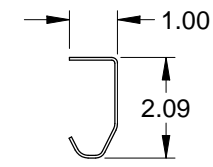


4" Track Bracket
.116 Galv. Steel

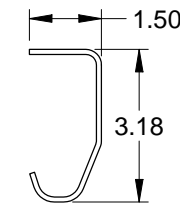


Center Hinge
.045 Galv. Steel

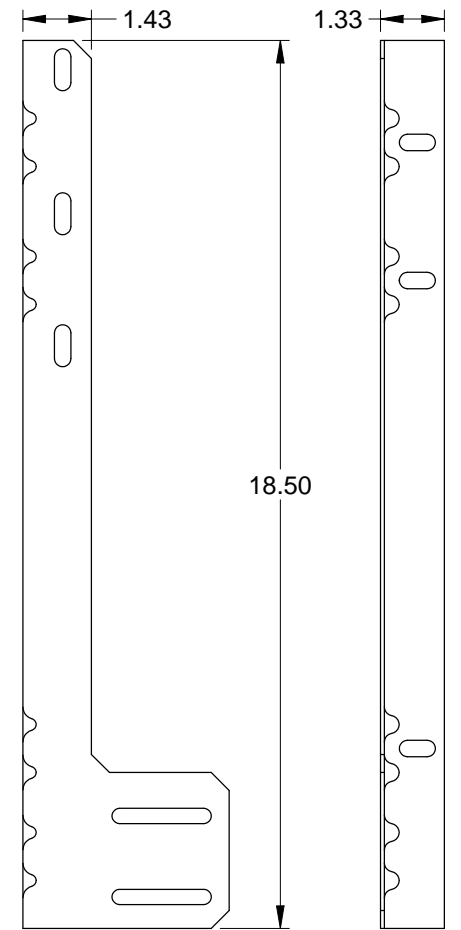
Edge Hinge
.086 Galv. Steel



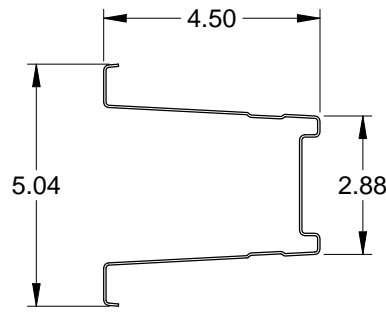
2" Track
.055 Galv. Steel



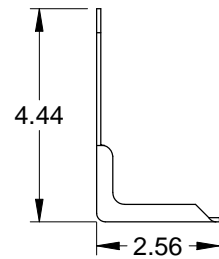
3" Track (Optional)
.105 Galv. Steel



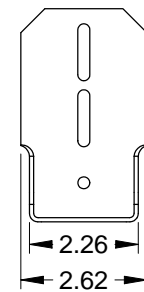
Jamb Angle
.078 Galv. Steel



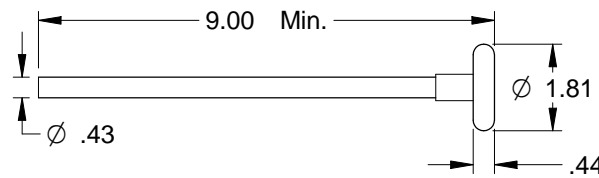
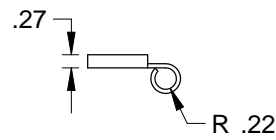
Steel Box Strut
20 Ga. (.035" Min.) Galvanized
High Tensile Steel
80 KSI Minimum Yield



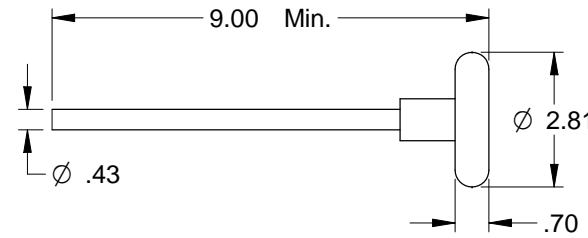
Top Fixture
.086 Galv. Steel



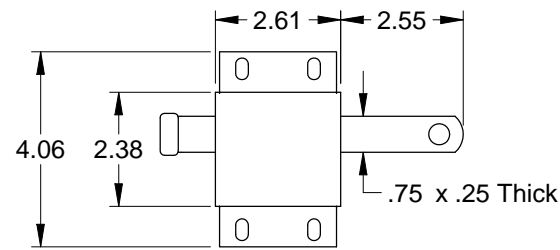
Roller Carrier
.116 Galv. Steel
Attached to Top Fixture
w/(2) Track Bolts and Whiz Nuts



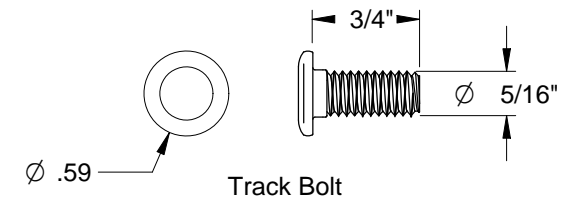
Nylon Precision Bearing Track Roller (Std.)
Steel 10-ball High Tensile Track Roller (Opt.)



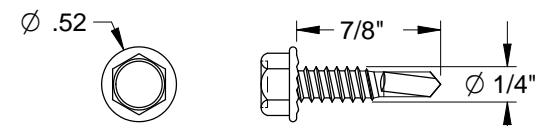
Steel Precision Bearing Track Roller (Opt.)



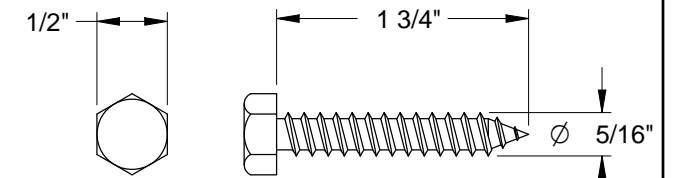
Slide Lock
Case .086 Galv. Steel



Track Bolt



Self-Drilling Screw



Hex Head Lag Screw

Scott A. Brown, P.E. Lic. No. 65940
Wendler Engineering Services, Inc.
698 Timber Creek Road, Dixon, IL 61021
FBPE CA Lic. No. 31544
Structural Adequacy for Wind Load

Scale: None	<p>1101 East River Road Dixon, IL 61021</p>	Title: Spec, Wind Load TM300	
Drawn by: R. Frey		No. P-2435	Sheet 3
Checked by: G. Wedekind			Rev A
Date: 03/21/19		ECO: 8132.01	