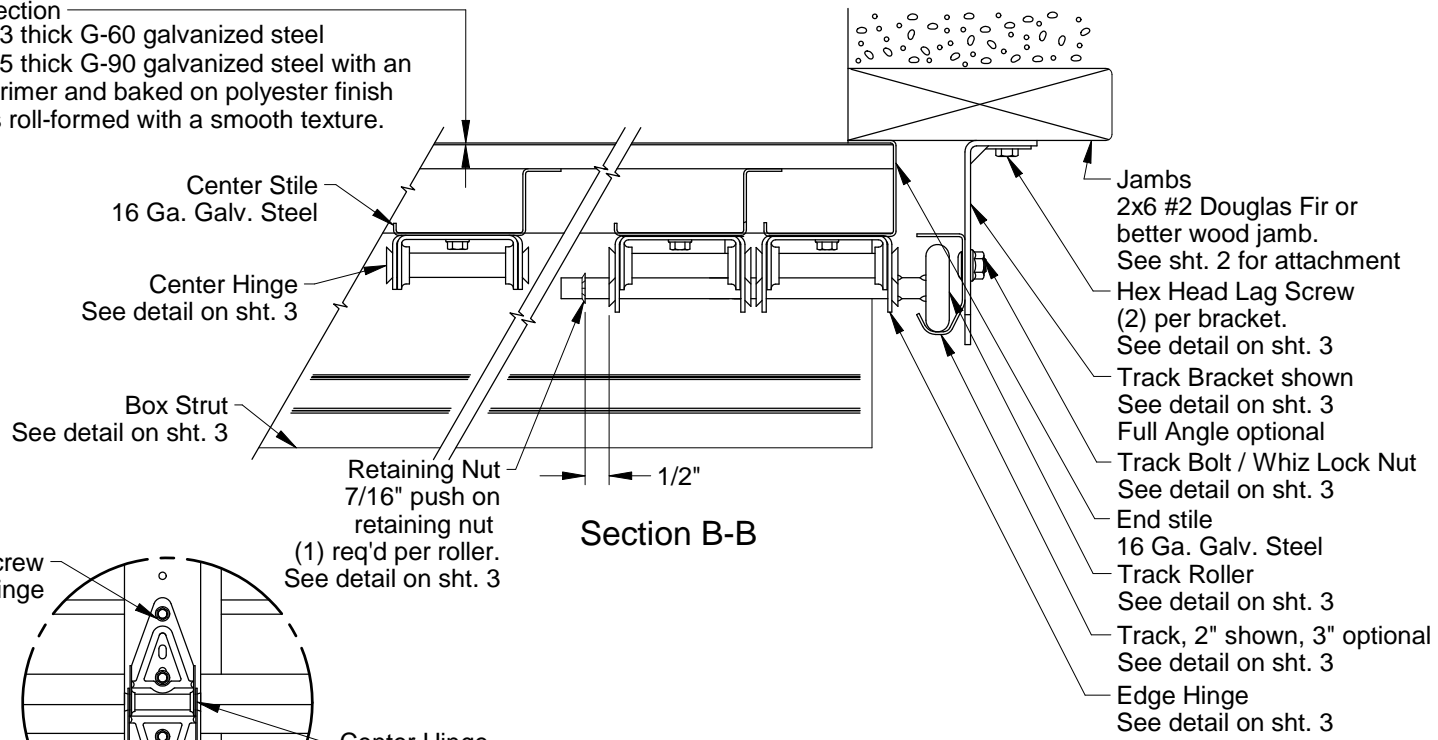
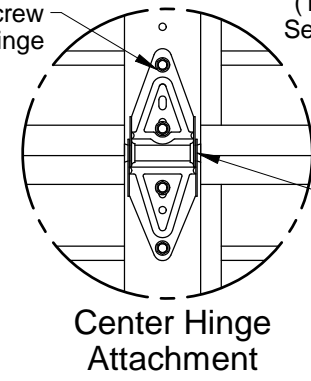
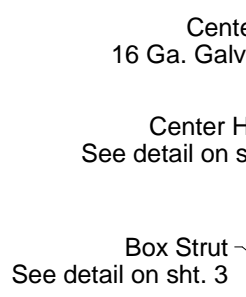
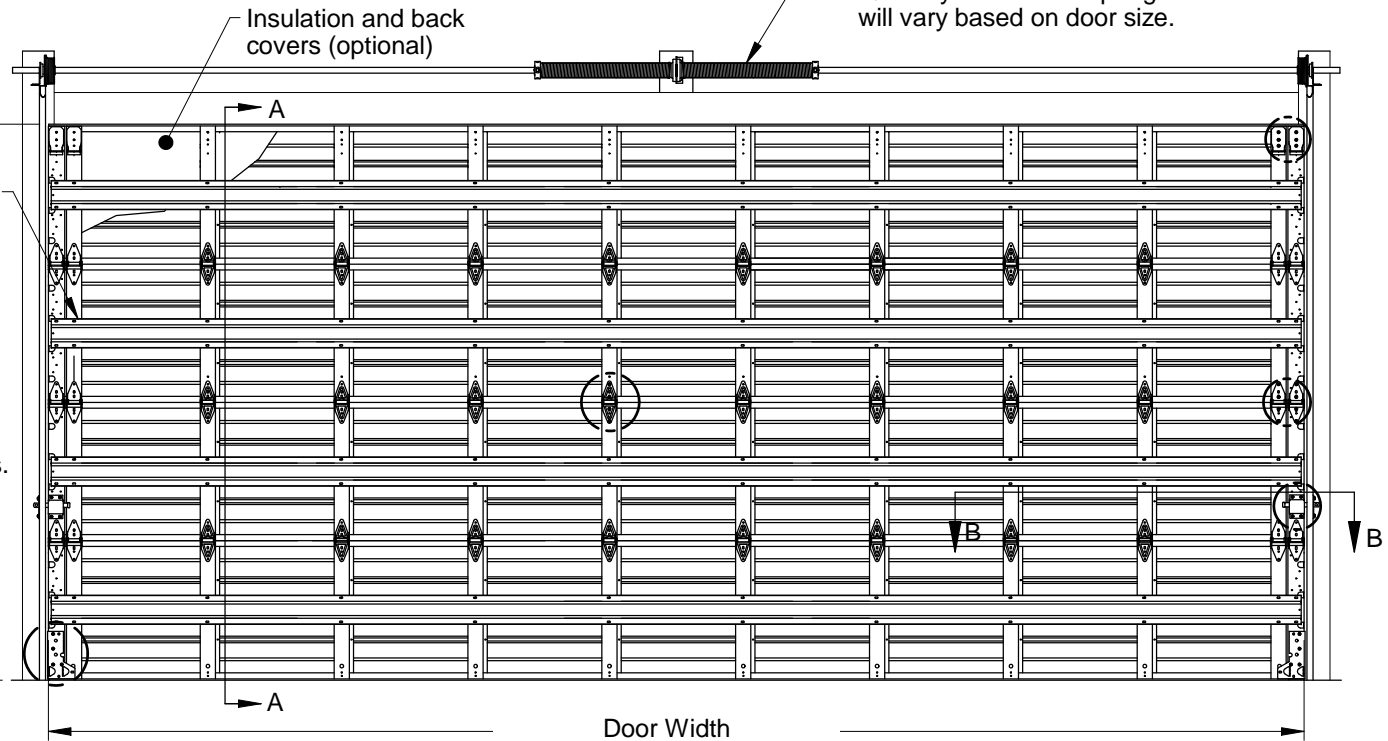


Steel Section  
 S24 .023 thick G-60 galvanized steel  
 S20 .035 thick G-90 galvanized steel with an epoxy primer and baked on polyester finish which is roll-formed with a smooth texture.



Center Hinge Attachment



Interior Elevation  
 Door Width  
 See chart for other door widths (18'-2" shown)

Doors tested per FBC TAS 202 for static air pressure and FBC TAS 201, 203 for large missile impact and cyclic wind pressure

Maximum Door Width	Stiles per Sect	Ctr Hngs per Sect	Design Loads	
8'-2"	3	3	80.0	-85.8
9'-2"	3	3	60.0	-74.5
10'-2"	4	4		
12'-2"	5	5	40.0	-52.0
14'-2"	6	6		
16'-2"	7	7		
18'-2"	8	8		

Door Height  
 8'-0" High shown  
 Other door heights available up to 24'-0" using 20" or 24" high sections

Locks required on doors.

Steel Reinforcement  
 (1) Box strut per section fastened to all center and end stiles using (2) self-drilling screws at each stile.

John E. Scates  
 2560 King Arthur Blvd, Ste 124-54  
 Lewisville, TX 75056  
 FL PE #51737  
 TX PE #56308-f2203

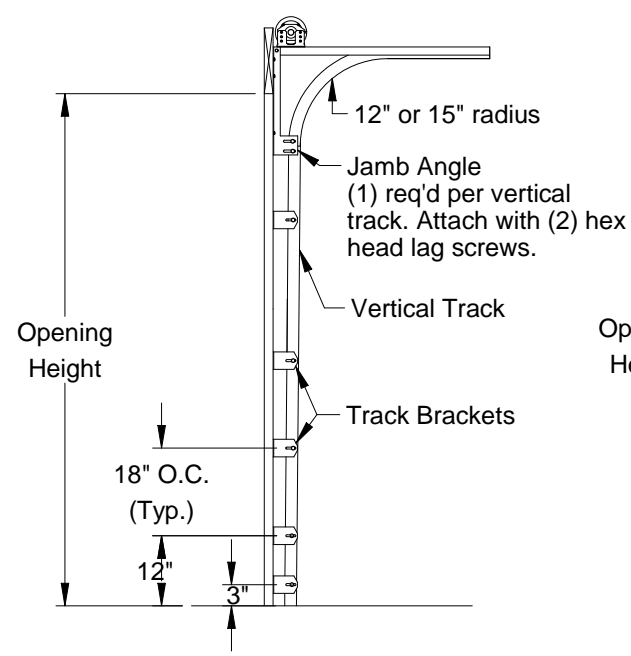
Rev.	Description	ECO	Date	ECO: 7679.01
B	Removed vent option on sheet 1.	7679.05	12/09/19	
A	New release for production.	7679.01	08/20/19	

Scale: None  
 Drawn by: R. Frey  
 Checked by: G. Wedekind  
 Date: 08/20/19

**RAYNOR**  
 1101 East River Road  
 Dixon, IL 61021

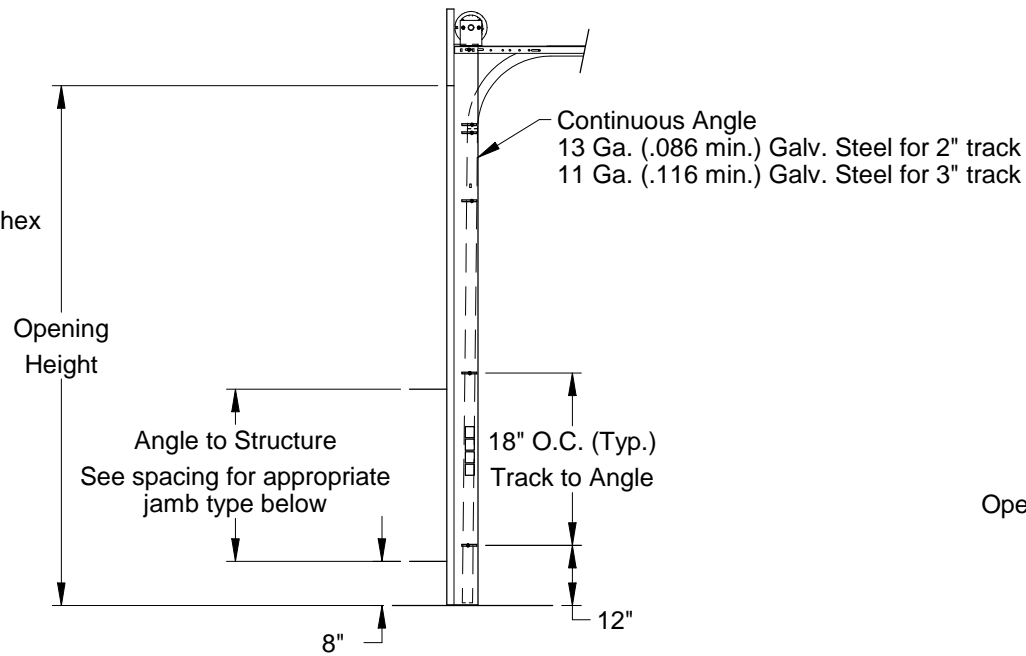
Title: Spec, Wind Load SteelForm - S24, S20

No. **P-2913** Sheet 1 of 3 Rev **B**

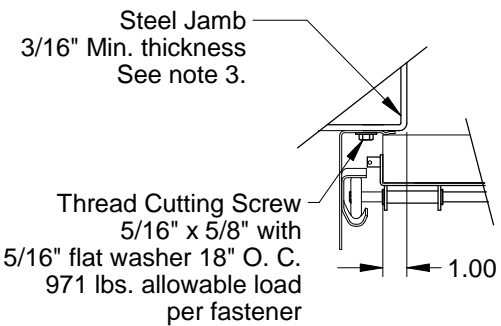
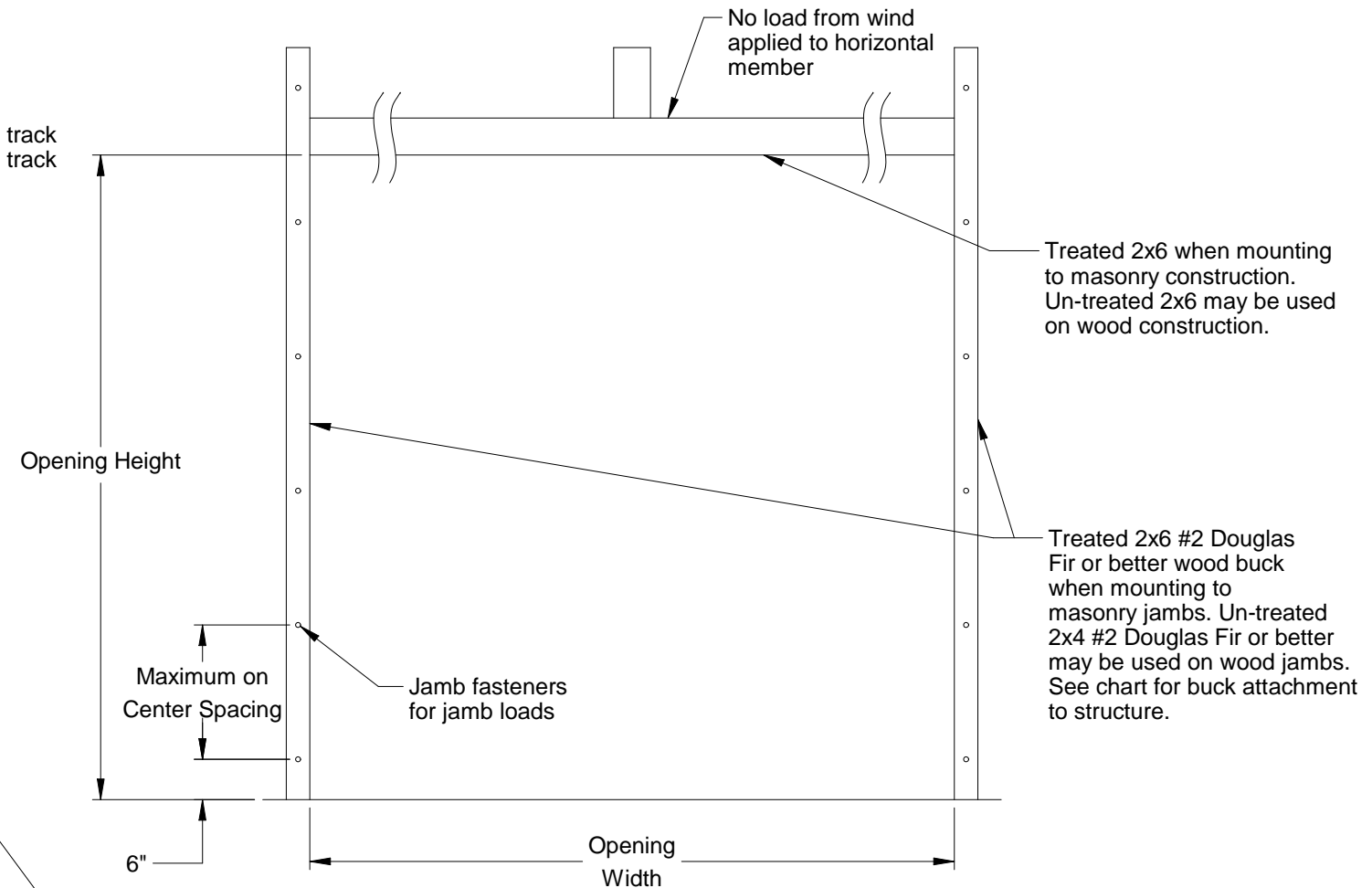


**Typical Track Installation  
Bracket Mount  
Wood Jamb**

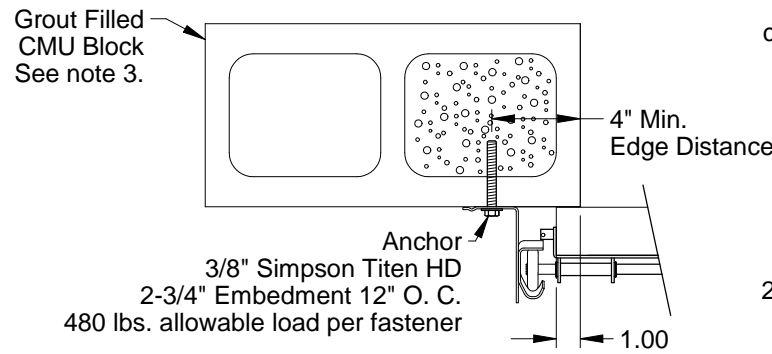
Normal headroom track shown, low headroom, lift clearance and vertical lift track available



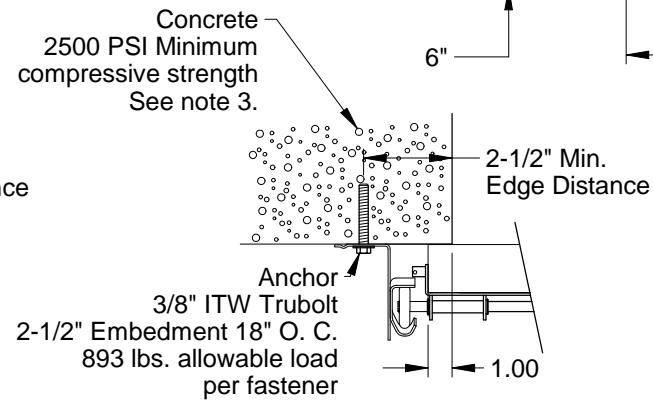
**Typical Track Installation  
Angle Mount  
Wood, Steel or Concrete Jamb**



**Track Assembly Attachment  
to Steel Jamb**  
2" Track Angle Mount Turned-in (shown)  
3" Track Angle Mount Available



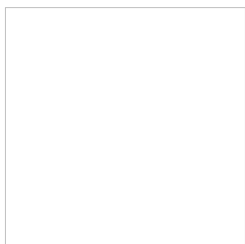
**Track Assembly Attachment  
to Grout Filled CMU Block**  
2" Track Angle Mount Turned-out (shown)  
3" Track Angle Mount Available



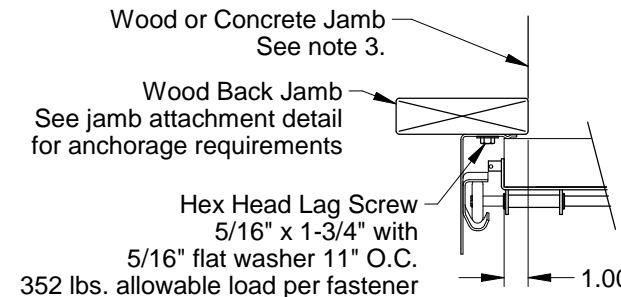
**Track Assembly Attachment  
to 2500 PSI Min. Concrete**  
2" Track Angle Mount Turned-out (shown)  
3" Track Angle Mount Available

**Jamb Attachment Notes:**

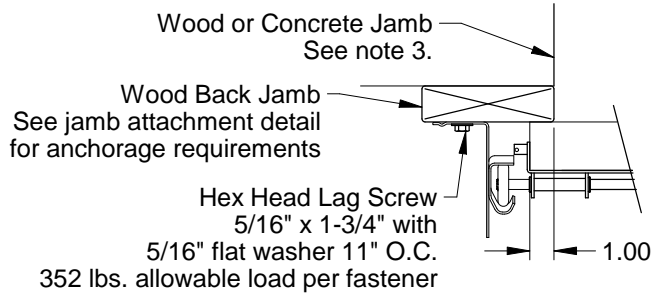
1. Maximum Positive Load per Jamb =  $(9'-2" \times 40.0 \text{ PSF}) / 2 = 367 \text{ lbs. per foot.}$
2. Maximum Negative Load per Jamb =  $(18'-2" \times -52.0 \text{ PSF}) / 2 = 473 \text{ lbs. per foot.}$
3. Design of the supporting structure shall be the sole responsibility of the building designer 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.



John E. Scates  
2560 King Arthur Blvd, Ste 124-54  
Lewisville, TX 75056  
FL PE #51737  
TX PE #56308-f2203



**Track Assembly Attachment  
to Wood Back Jamb**  
2" Track Angle Mount Turned-in (shown)  
3" Track Angle Mount Available



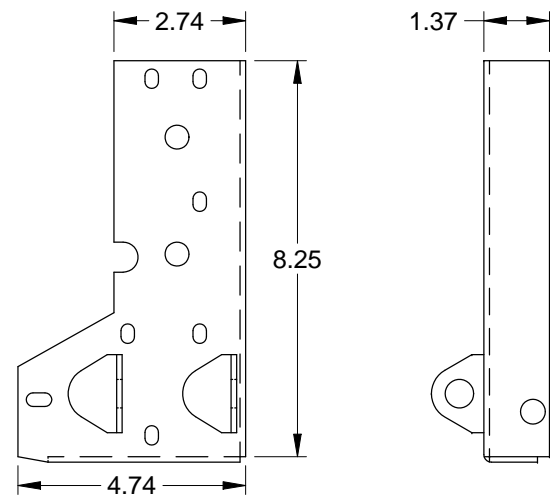
**Track Assembly Attachment  
to Wood Back Jamb**  
2" Track Angle Mount Turned-out (shown)  
3" Track Angle Mount Available

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"	17"	526
Southern Pine	3/8" x 3" Lag with 1-1/8" OD Washer	1.50"	1.50"	1.50"	21"	655
Spruce Pine Fir	3/8" x 3" LAG with 1-1/8" OD Washer	1.50"	1.50"	1.50"	15"	482

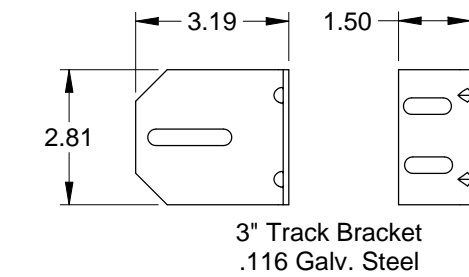
Scale: None
Drawn by: R. Frey
Checked by: G. Wedekind
Date: 08/20/19
ECO: 7679.01



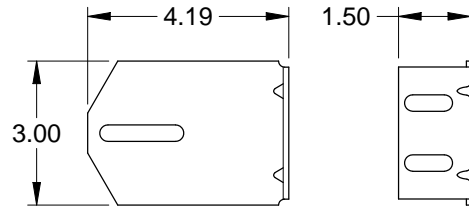
Title: Spec, Wind Load SteelForm - S24, S20	
No. P-2913	Rev B



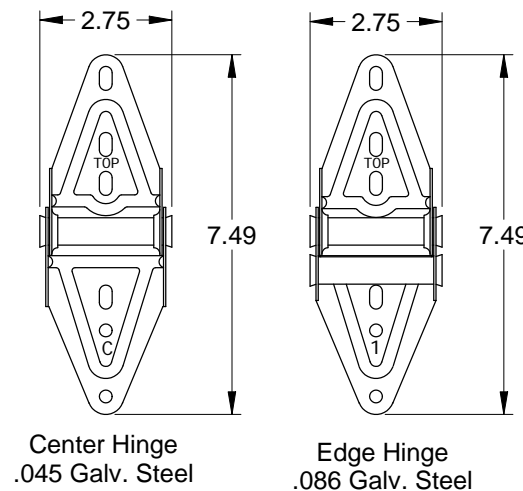
Corner Bracket  
.116 Galv. Steel



3" Track Bracket  
.116 Galv. Steel

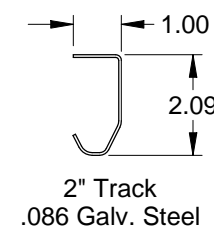


4" Track Bracket  
.116 Galv. Steel

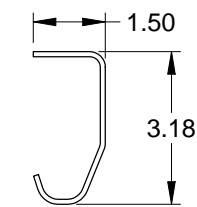


Center Hinge  
.045 Galv. Steel

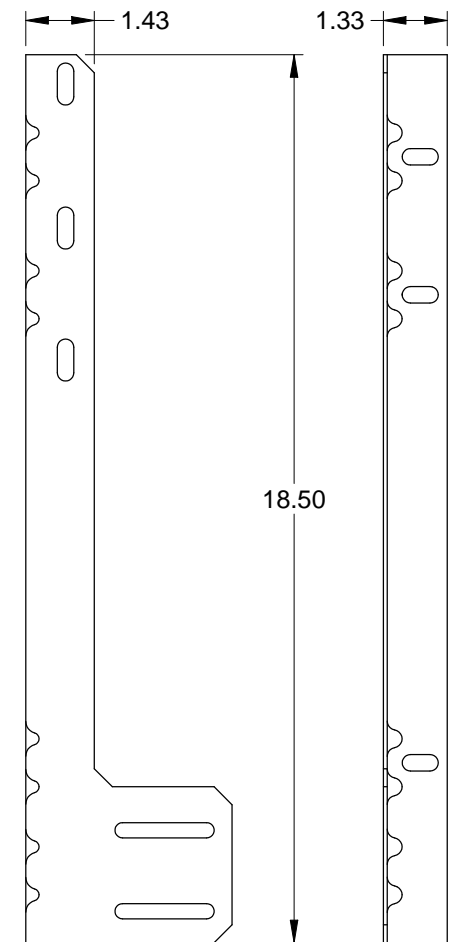
Edge Hinge  
.086 Galv. Steel



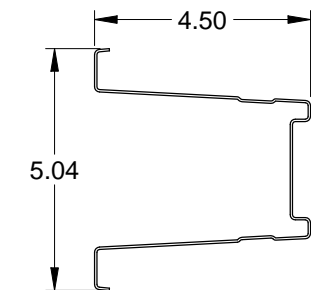
2" Track  
.086 Galv. Steel



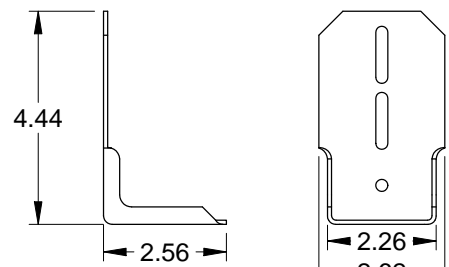
3" Track (Optional)  
.105 Galv. Steel



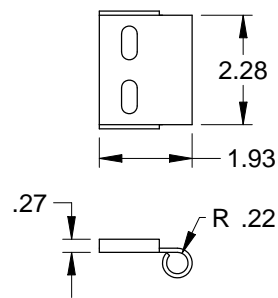
Jamb Angle  
.078 Galv. Steel



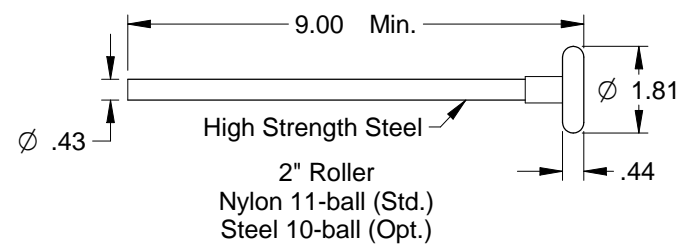
Steel Box Strut  
18 Ga. (.049" Min.) Galvanized  
High Tensile Steel  
80 KSI Minimum Yield



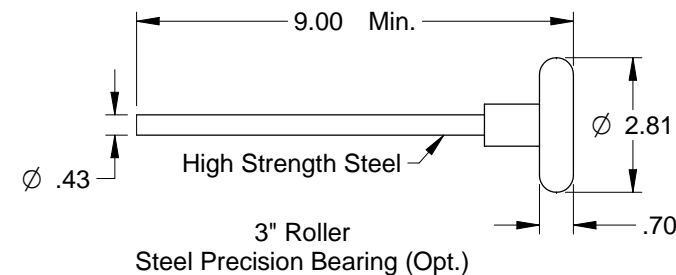
Top Fixture  
.086 Galv. Steel



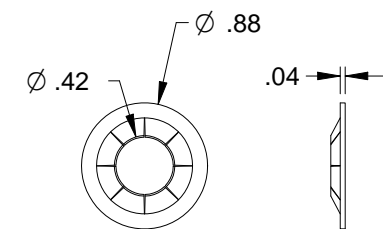
Roller Carrier  
.116 Galv. Steel  
Attached to Top Fixture  
w/(2) Track Bolts and Whiz Nuts



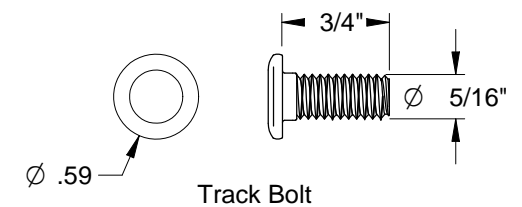
2" Roller  
Nylon 11-ball (Std.)  
Steel 10-ball (Opt.)



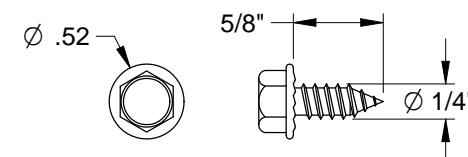
3" Roller  
Steel Precision Bearing (Opt.)



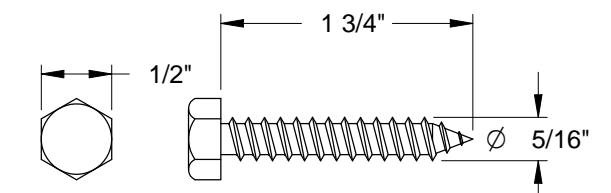
Retaining Nut



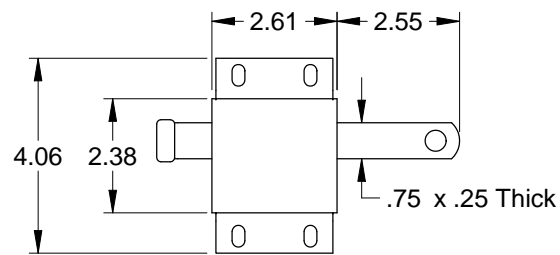
Track Bolt



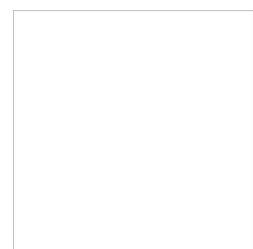
Sheet Metal Screw



Hex Head Lag Screw



Slide Lock  
Case .086 Galv. Steel



John E. Scates  
2560 King Arthur Blvd, Ste 124-54  
Lewisville, TX 75056  
FL PE #51737  
TX PE #56308-f2203

Scale: None
Drawn by: R. Frey
Checked by: G. Wedekind
Date: 08/20/19
ECO: 7679.01



1101 East River Road  
Dixon, IL 61021

Title:  
Spec, Wind Load  
SteelForm - S24, S20

No. P-2913

Sheet  
3

Rev  
B