

Doors tested per ANSI/DASMA 108 for static air pressure

TM200C			
Maximum Door Width	Center Hinges per Section	Design Loads	
8'-2"	1	24.0	-27.0
9'-2"	1	21.4	-24.1
10'-2"	2	18.2	-20.6
12'-2"	2	15.2	-17.2

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

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Rev.	Description	ECO	Date
B	Added plates, M200C to title, angle mount details and tapcon jamb details. Endstile was 16 ga. Reduced pressures.	8313.02	09/25/20
A	New release for production.	8313.01	12/05/19

Scale: None

Drawn by: R. Frey

Checked by: G. Wedekind

Date: 12/05/19

ECO: 8313.01

**RAYNOR**

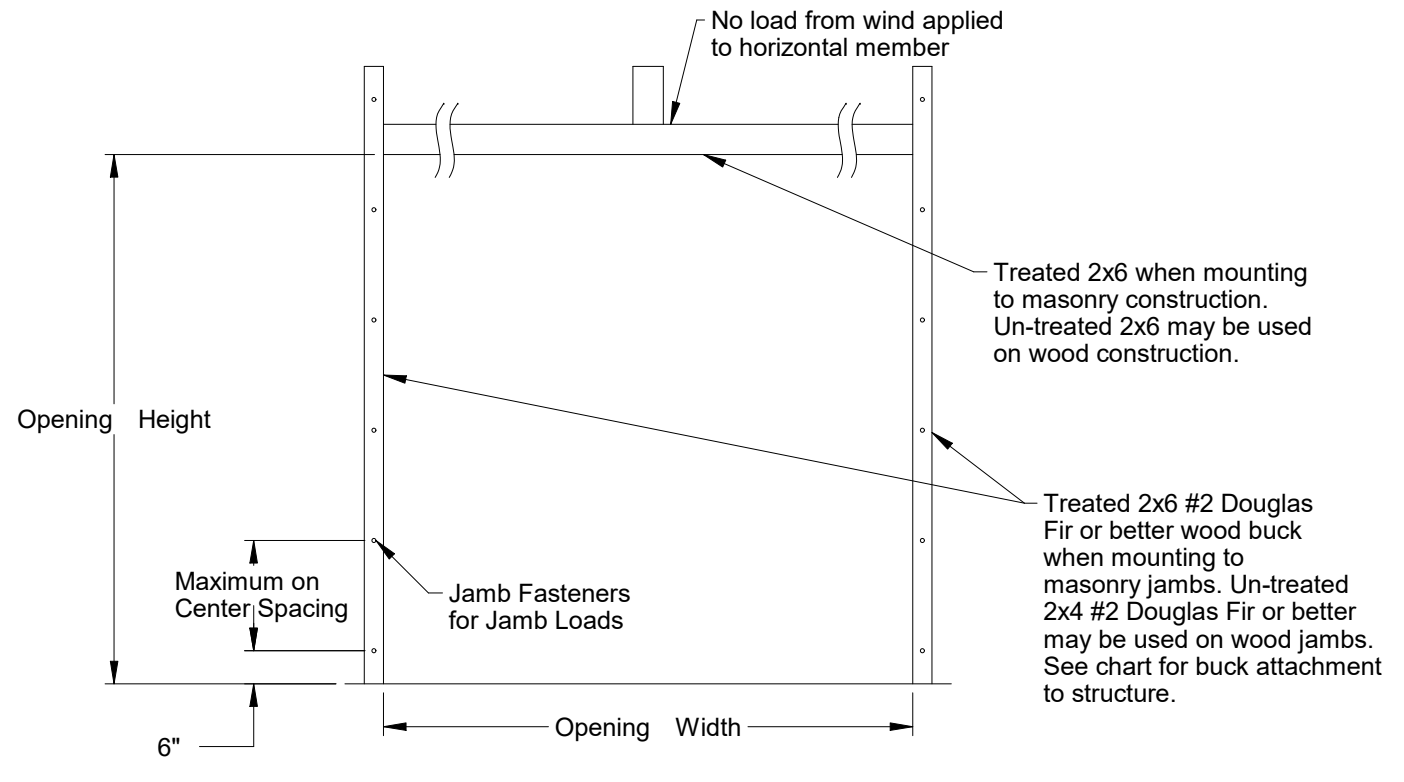
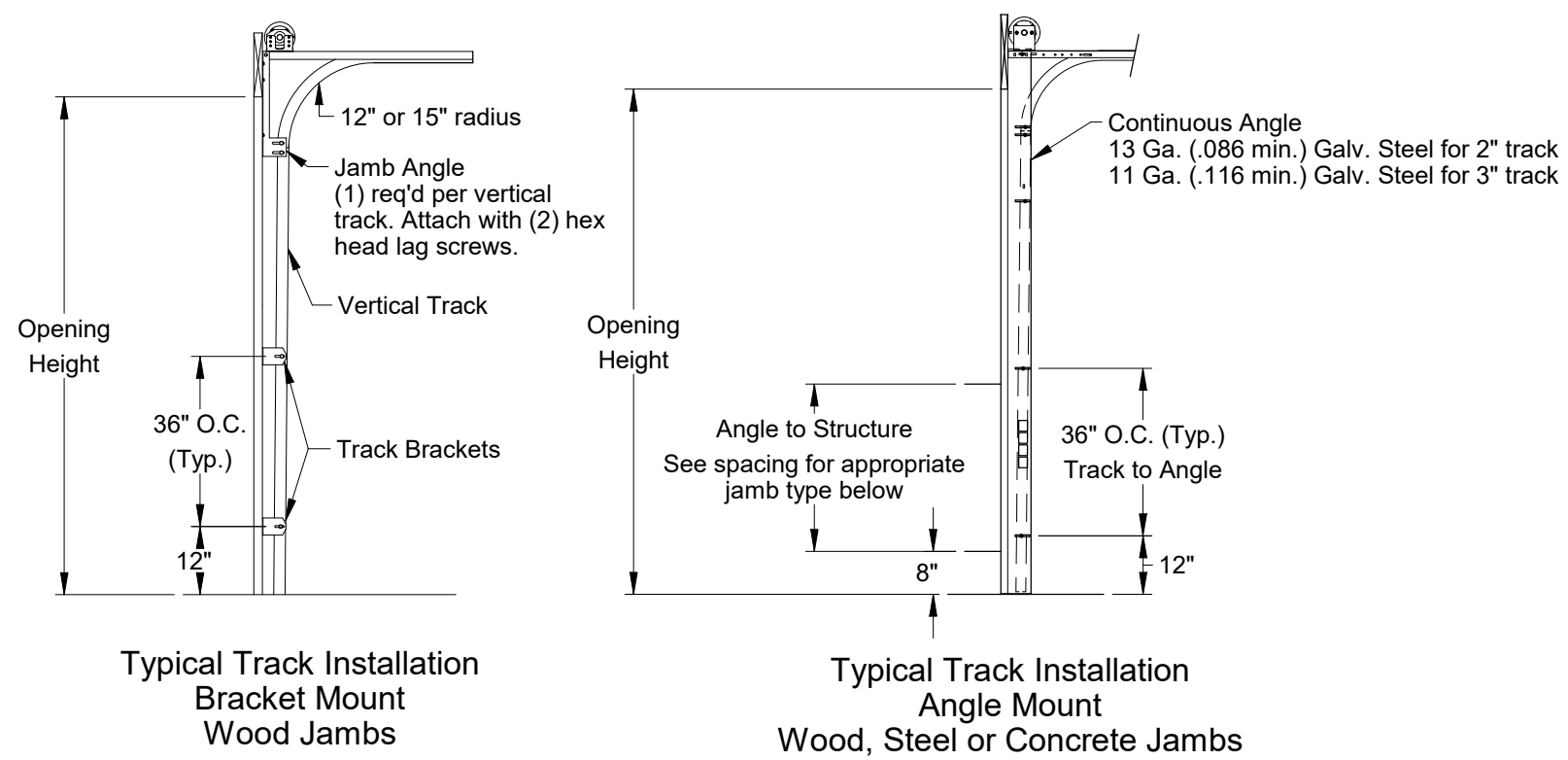
1101 East River Road  
 Dixon, IL 61021

Title: Spec, Wind Load TM200C / M200C

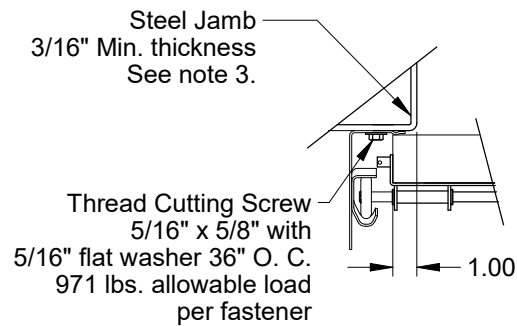
No. **P-2436**

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Rev **B**

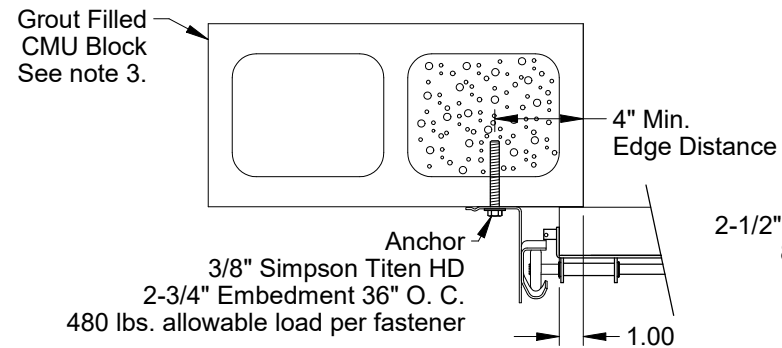


Normal headroom track shown, low headroom, lift clearance and vertical lift track available



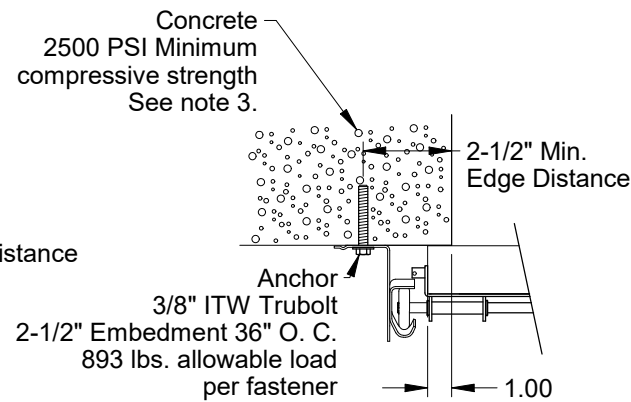
**Track Assembly Attachment to Steel Jamb**

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



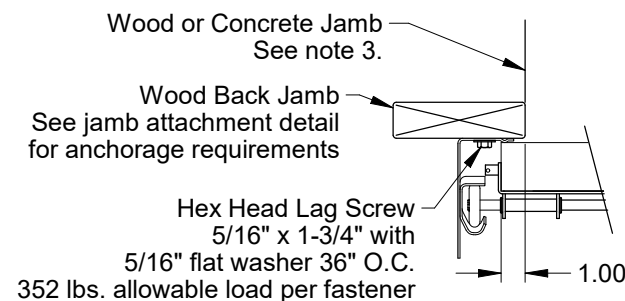
**Track Assembly Attachment to 2500 PSI Min. Concrete**

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

**Jamb Attachment Notes:**

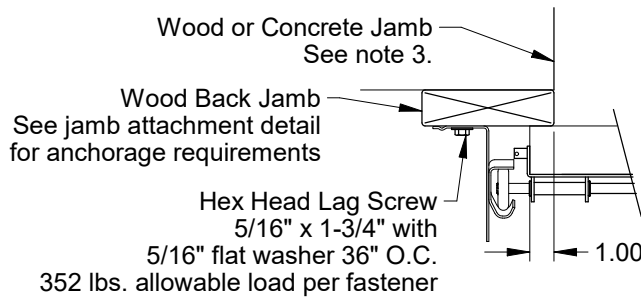
1. Maximum Positive Load per Jamb =  $(9'-2" \times 21.4 \text{ PSF}) / 2 = 99 \text{ lbs. per foot.}$
2. Maximum Negative Load per Jamb =  $(9'-2" \times -24.1 \text{ PSF}) / 2 = 111 \text{ lbs. per foot.}$
3. Design of the supporting structure shall be the sole responsibility of the building designer 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.

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"	24"	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"	24"	482



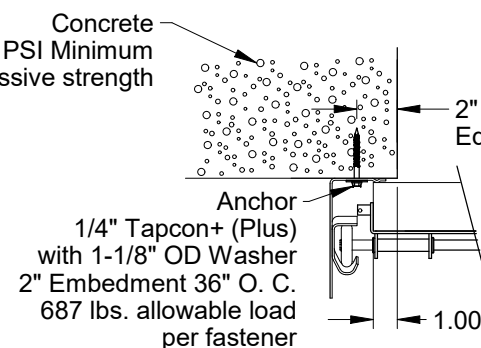
**Track Assembly Attachment to Wood Back Jamb**

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



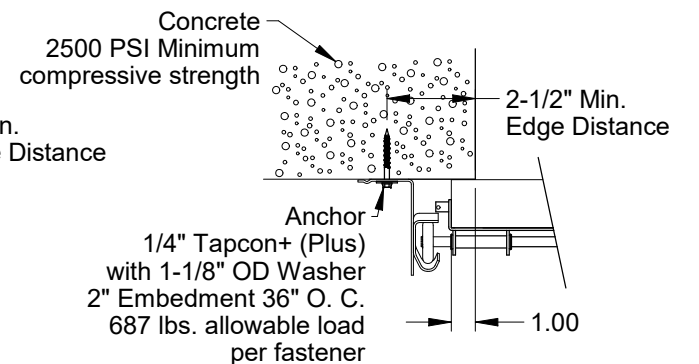
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3" Track Angle Mount Available



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

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



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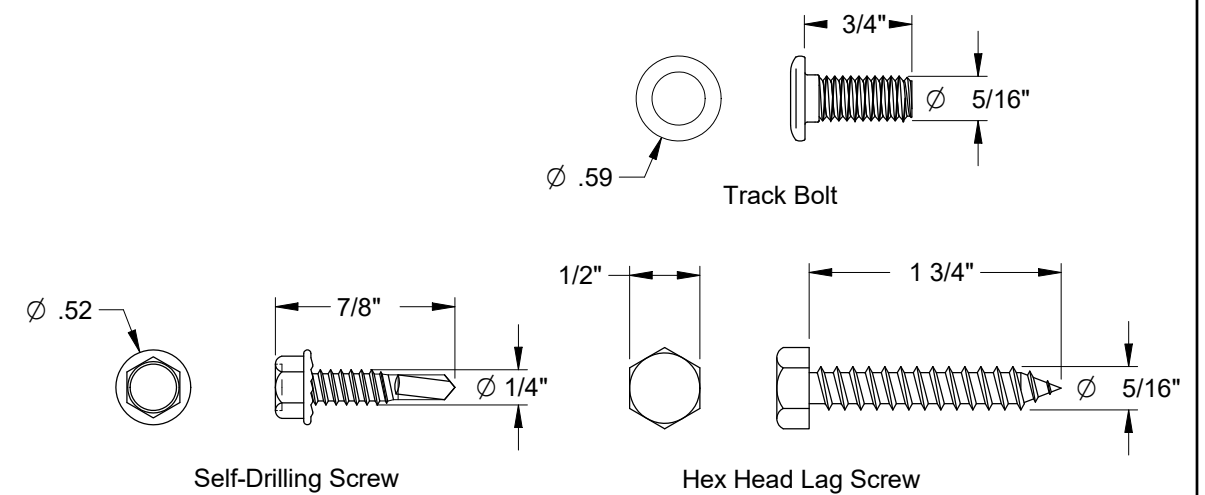
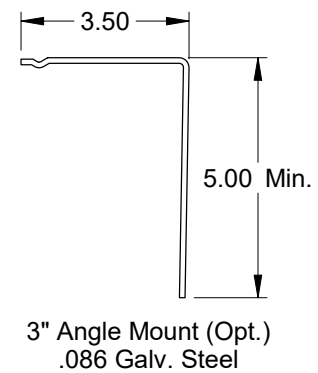
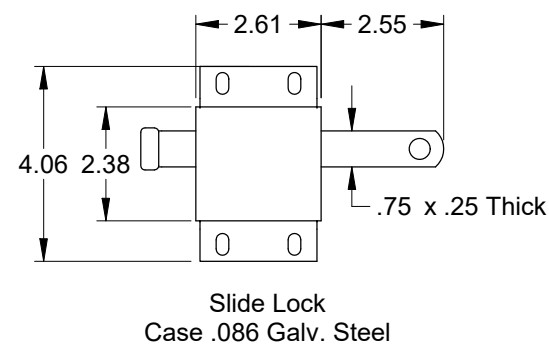
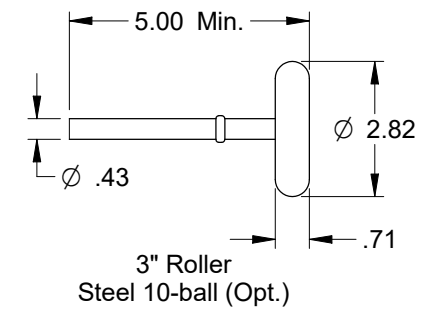
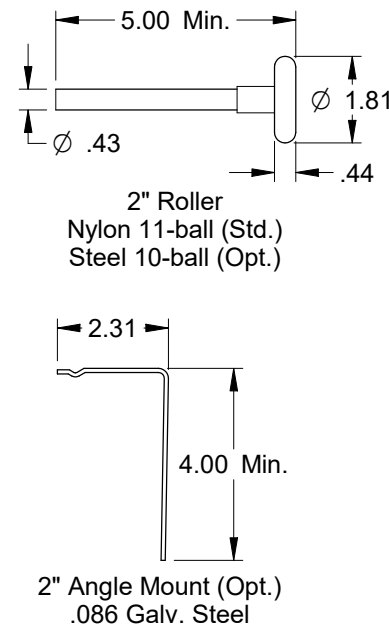
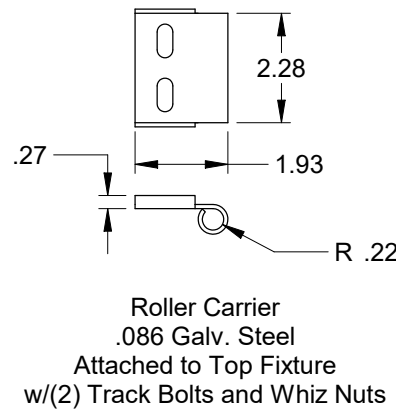
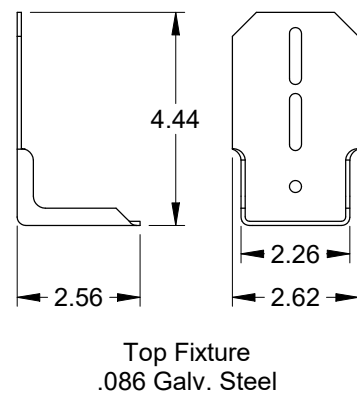
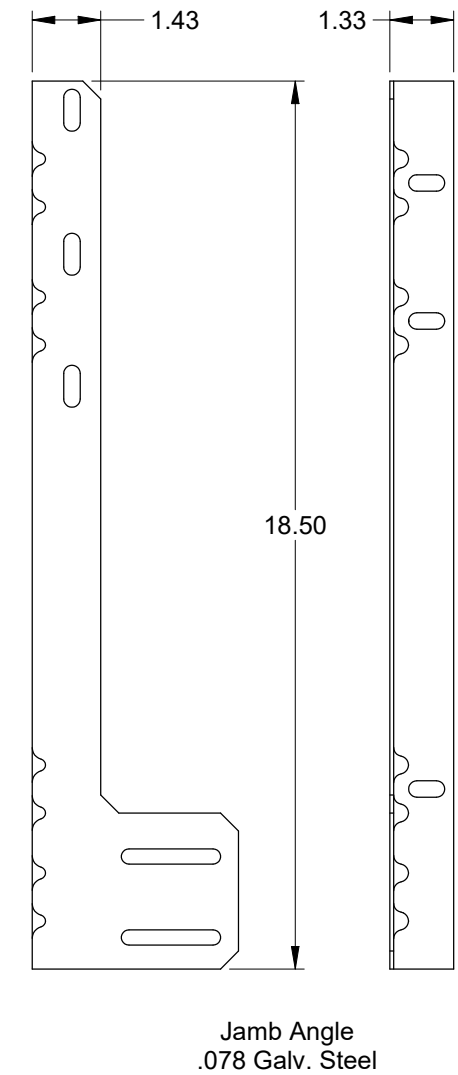
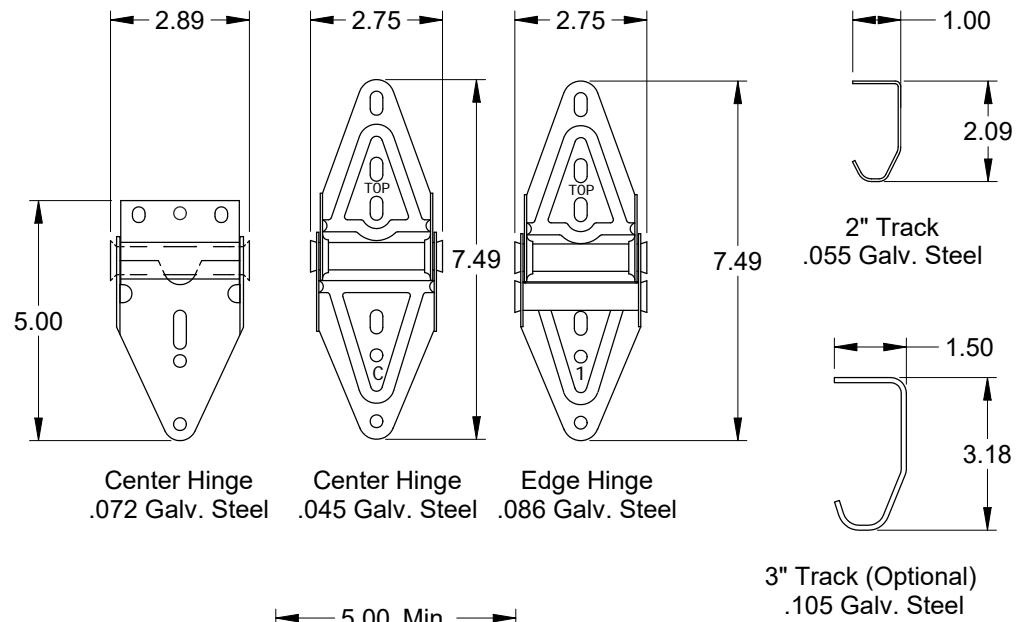
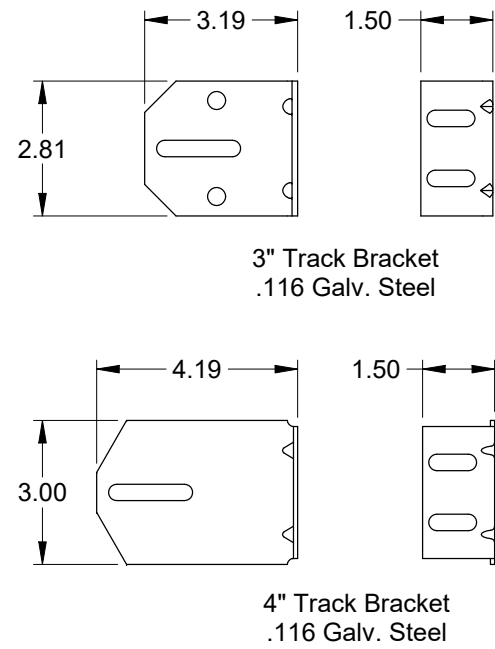
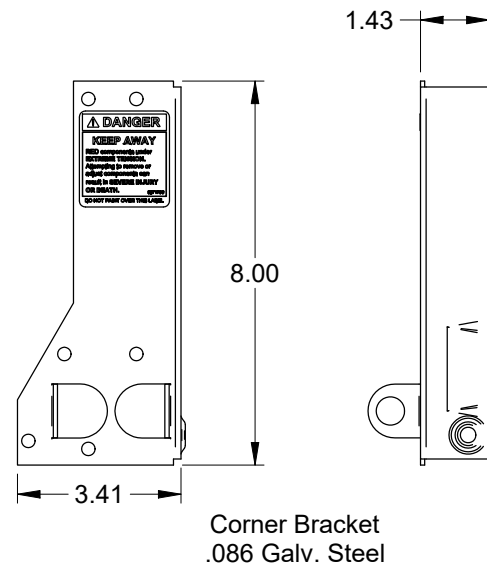
1101 East River Road  
Dixon, IL. 61021

Title: Spec, Wind Load  
TM200C / M200C

No. P-2436

Sheet 2

Rev B



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Scale: None	<p>1101 East River Road Dixon, IL 61021</p>	Title: Spec, Wind Load TM200C / M200C	
Drawn by: R. Frey		No. <b>P-2436</b>	Sheet 3
Checked by: G. Wedekind			Rev <b>B</b>
Date: 12/05/19 ECO: 8313.01			