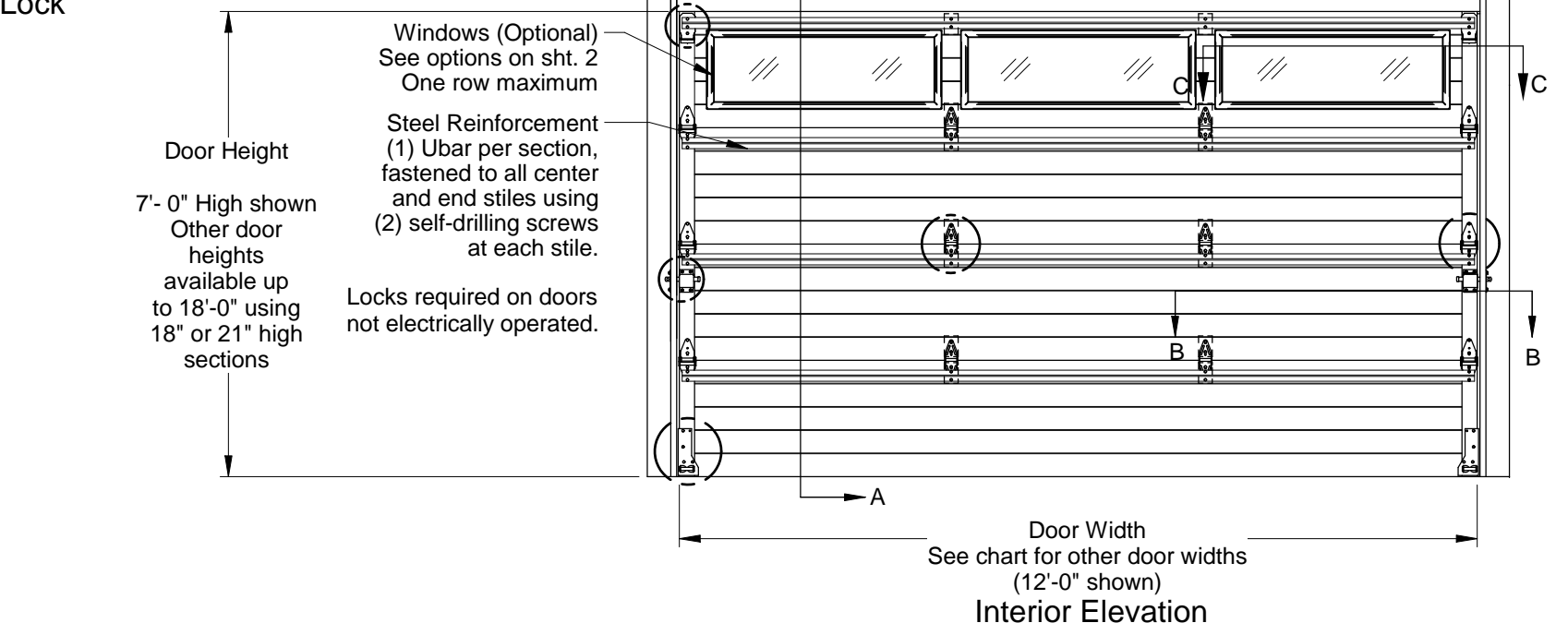


Doors tested per ANSI/DASMA 108 for static air pressure

AP138 / AP138C									
Max. Door Width	Colonial		Ranch			Carriage House			
	Hinges per Section	Design Loads	Hinges per Section	Design Loads	Hinges per Section	Design Loads	Hinges per Section	Design Loads	
8'-0"	1	31.1 -35.1	1	31.1 -35.1	1	31.1 -35.1	1	31.1 -35.1	
9'-0"	1	27.6 -31.2	1	27.6 -31.2	1	27.6 -31.2	1	27.6 -31.2	
10'-0"	2	25.7 -28.4	1	N/A	N/A	1	N/A	N/A	
12'-0"	2	21.4 -23.7	2	21.4 -23.7	2	21.4 -23.7	2	21.4 -23.7	
AP200 / AP200C									
Max. Door Width	Colonial		Ranch			Carriage House			
	Hinges per Section	Design Loads	Hinges per Section	Design Loads	Hinges per Section	Design Loads	Hinges per Section	Design Loads	
8'-0"	1	48.6 -55.0	1	48.6 -55.0	1	48.6 -55.0	1	48.6 -55.0	
9'-0"	1	43.2 -48.9	1	43.2 -48.9	1	43.2 -48.9	1	43.2 -48.9	
10'-0"	2	35.0 -39.6	1	N/A	N/A	1	N/A	N/A	
12'-0"	2	24.3 -27.5	2	24.3 -27.5	2	24.3 -27.5	2	24.3 -27.5	

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TX PE #56308-f2203

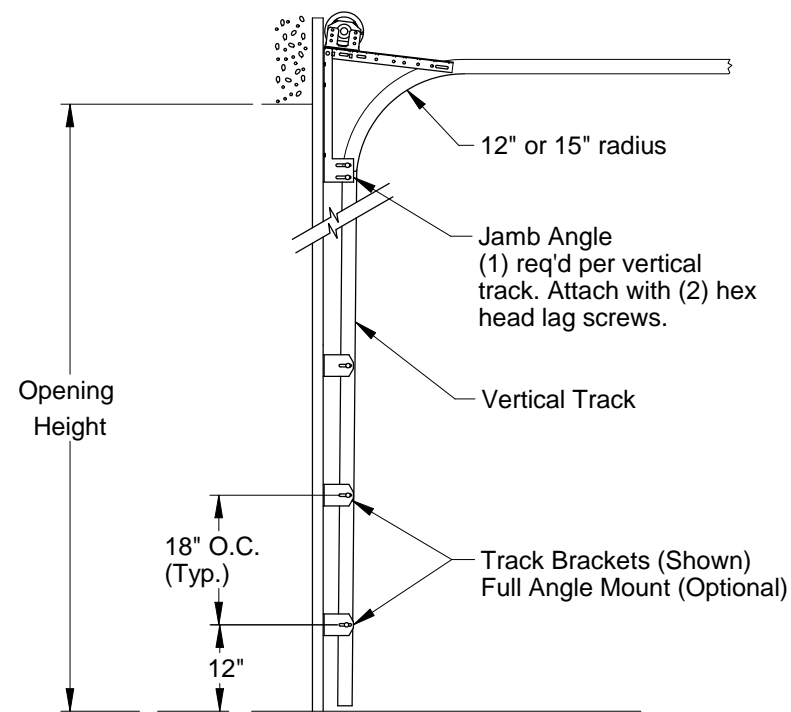
Professional Engineer's seal provided only for verification of wind load construction details



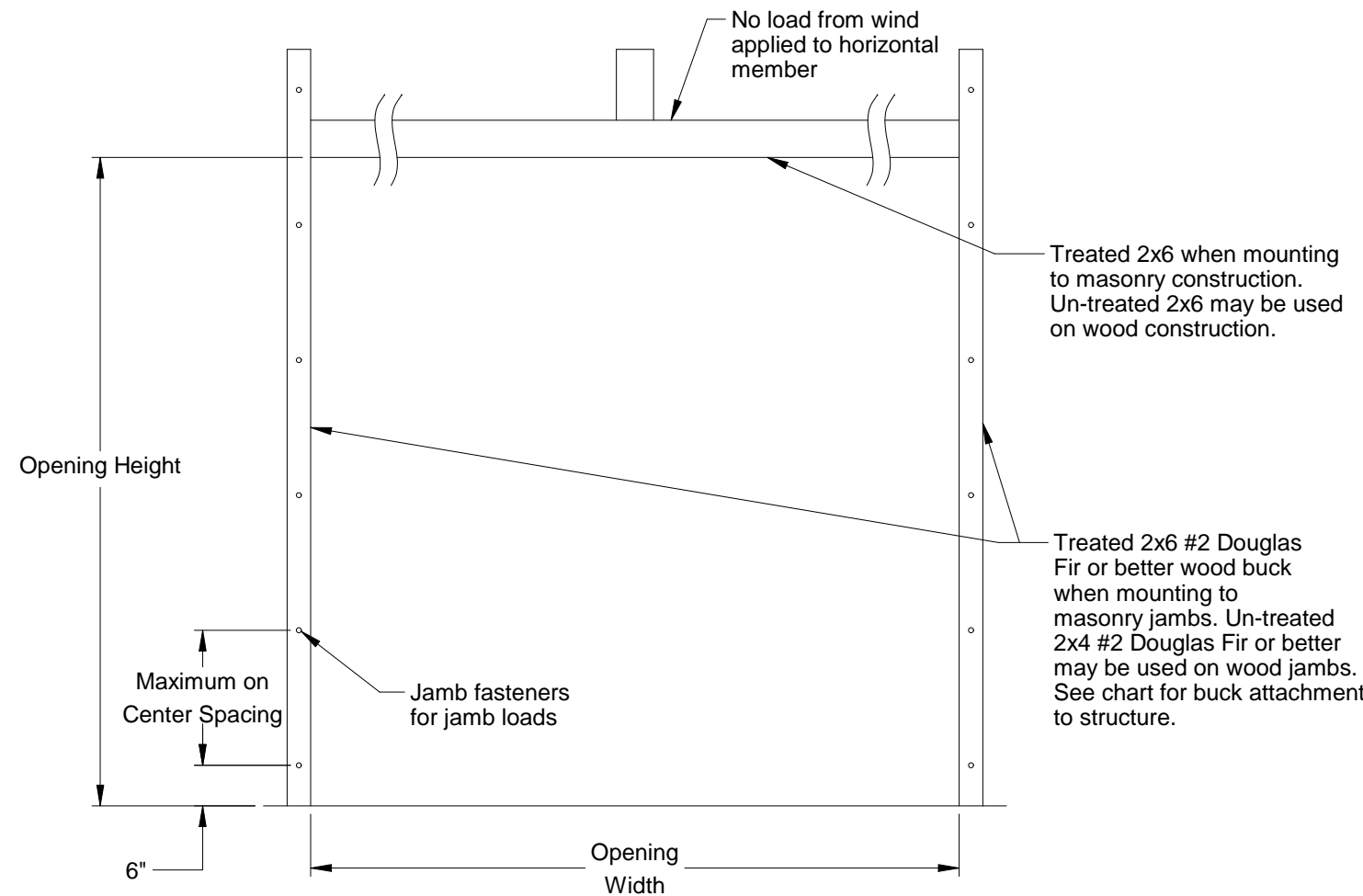
Scale: None	Drawn by: R. Frey	Checked by: G. Wedekind	Date: 01/08/19	ECO: 7679.01
Rev. B	Removed vent option on sheet 1.	7679.02	12/09/19	
Rev. A	New release for production.	7679.01	01/08/19	
Rev.	Description	ECO	Date	ECO: 7679.01

RAYNOR
1101 East River Road
Dixon, IL 61021

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Rev B	

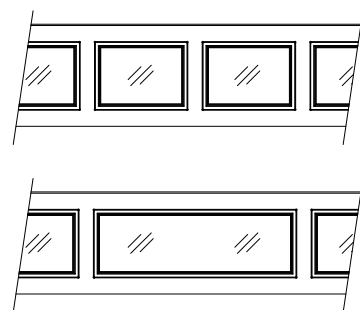


Typical Track Installation
Normal headroom track shown, low headroom, lift clearance and vertical lift track available



Jamb Attachment Notes:

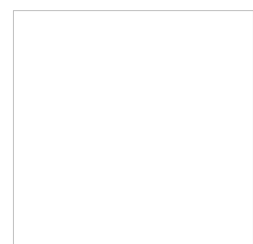
1. Maximum Positive Load per Jamb = (9'-0" x 43.2 PSF) / 2 = 195 lbs. per foot.
2. Maximum Negative Load per Jamb = (9'-0" x -48.9 PSF) / 2 = 220 lbs. per foot.
3. Design of the supporting structure shall be the sole responsibility of the building designer and shall be designed for the jamb loads listed 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.



Window Options

Colonial windows
1/8" DSB OR 1/8" Tempered
3/4" DSB I.G.
3/4" Tempered I.G.

Ranch windows
1/8" DSB OR 1/8" Tempered
3/4" DSB I.G.
3/4" Tempered I.G.



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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

Scale: None
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ECO: 7679.01



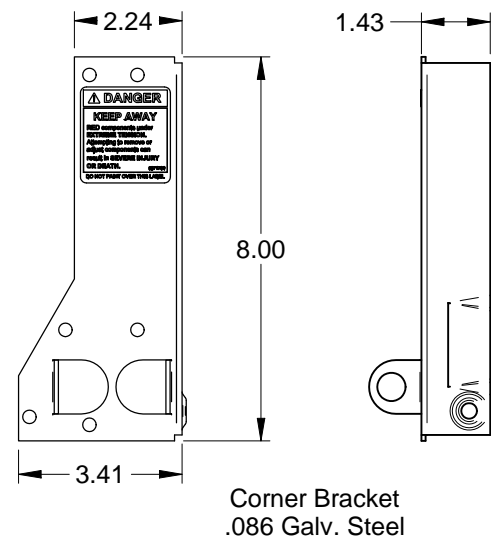
1101 East River Road
Dixon, IL. 61021

Title: Spec, Wind Load Aspen Series

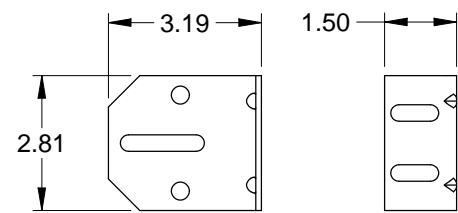
No. P-2800

Sheet 2

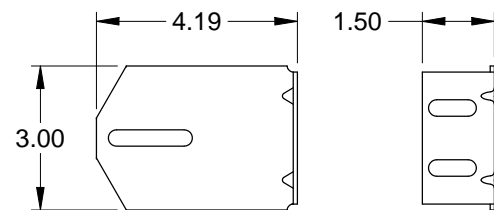
Rev B



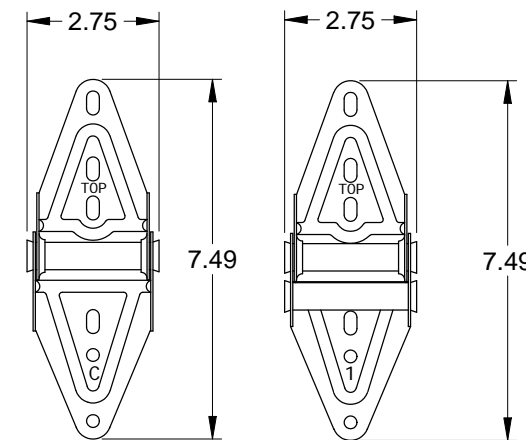
Corner Bracket
.086 Galv. Steel



3" Track Bracket
.116 Galv. Steel

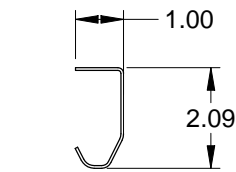


4" Track Bracket
.116 Galv. Steel

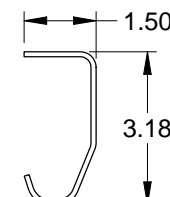


Center Hinge
.045 Galv. Steel

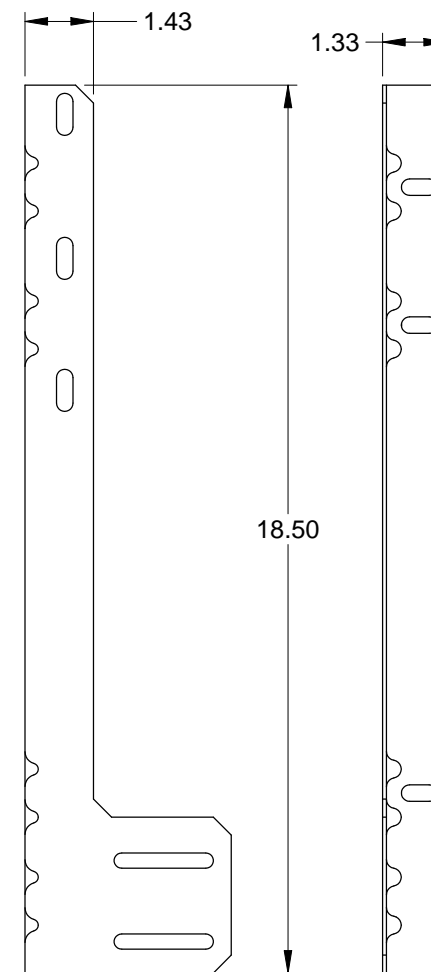
Edge Hinge
.086 Galv. Steel



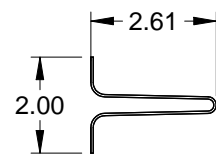
2" Track
.055 Galv. Steel



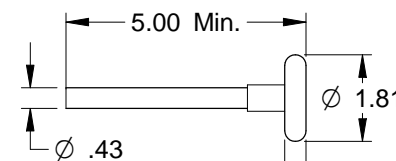
3" Track (Optional)
.105 Galv. Steel



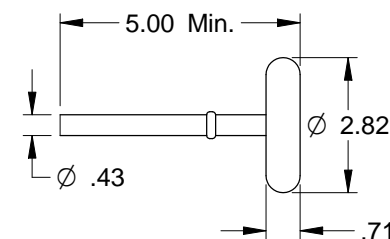
Jamb Angle
.078 Galv. Steel



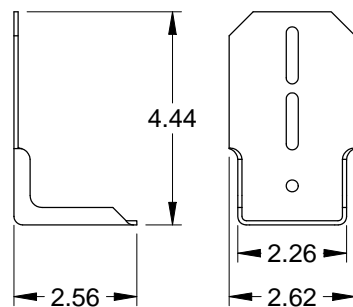
Steel U-bar
20 Ga. (.035 min.) Galvanized
High Tensile Steel
80 KSI Minimum Yield



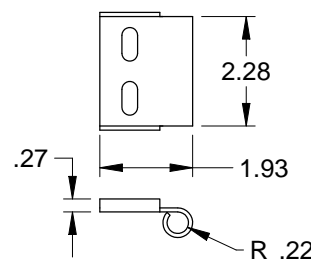
2" Roller
Nylon 11-ball (Std.)
Steel 10-ball (Opt.)



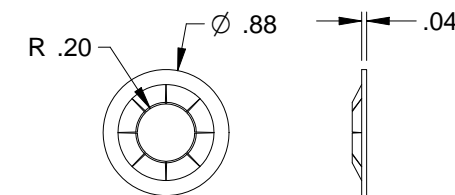
3" Roller
Steel 10-ball (Opt.)



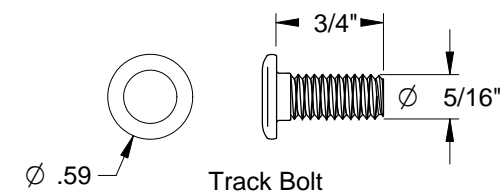
Top Fixture
.086 Galv. Steel



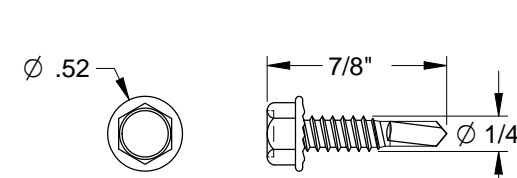
Roller Carrier
.116 Galv. Steel
Attached to Top Fixture
w/(2) Track Bolts and Whiz Nuts



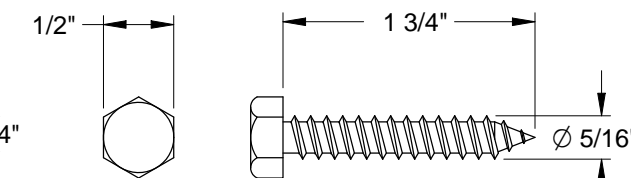
Retaining Nut



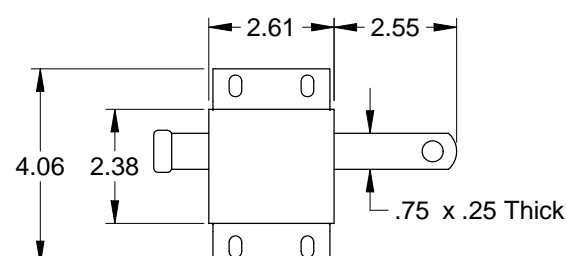
Track Bolt



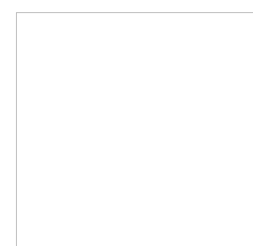
Self-Drilling Screw



Hex Head Lag Screw



Slide Lock
Case .086 Galv. Steel



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TX PE #56308-f2203

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Drawn by: R. Frey		No. P-2800	Sheet 3
Checked by: G. Wedekind			Rev B
Date: 01/08/19 ECO: 7679.01			