

Doors tested per ANSI/DASMA 108 for static air pressure

Door Width	Design Load
Up to 16' - 0"	+ 23.3 - 28.0

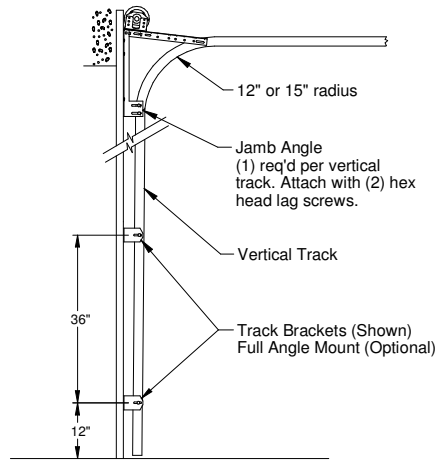
Scott A. Brown P.E.
F.P.E. #65940
698 Timber Creek Road
Dixon Illinois 61021

Scale: None	Drawn by: R. Frey	Checked by: G. Wedekind	Date: 11/14/18
Rev. A	New release for production.	ECO: 8127.01	Date: 11/14/18
Rev.	Description	ECO	Date

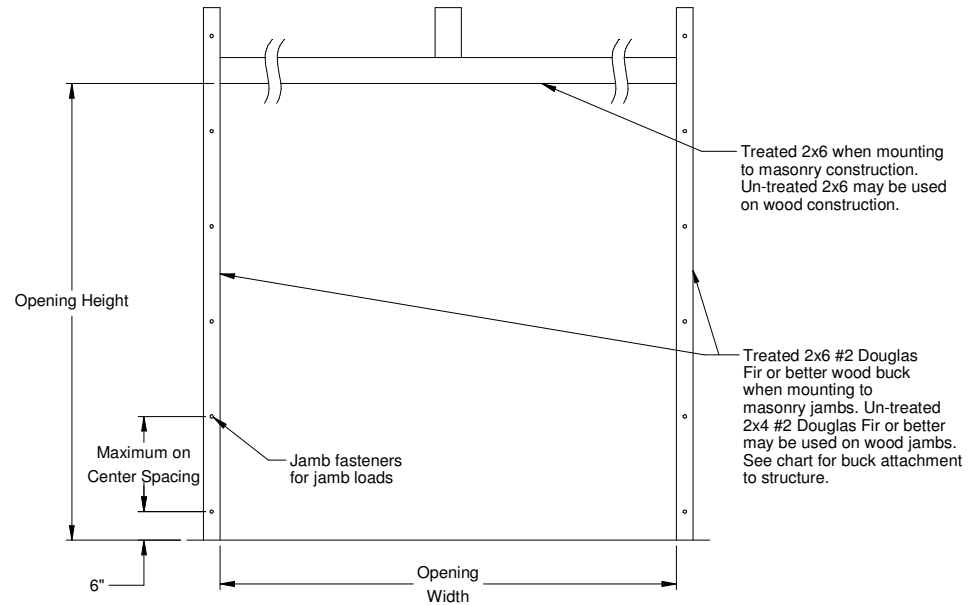


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Qty. of Center Stiles			
Door Width	Colonial Spacing	Ranch Spacing	Carriage House Spacing
8'	1	1	1
9'	1	1	1
10'	2	1	1
11'	2	1	1
12'	3	2	2
13'	3	2	2
14'	4	2	2
15'	4	2	2
16'	3	3	3

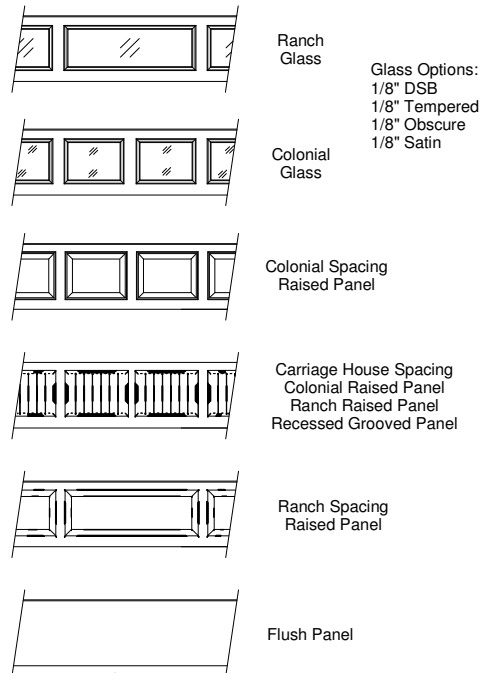


Typical Track Installation
Normal headroom track shown, low headroom, lift clearance and vertical lift track available



Jamb Attachment Notes:

1. Maximum Positive Load per Jamb = (16'-0" x 23.3 PSF) / 2 = 187 lbs. per foot.
2. Maximum Negative Load per Jamb = (16'-0" x -28.0 PSF) / 2 = 224 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.



Panel Options Exterior View

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

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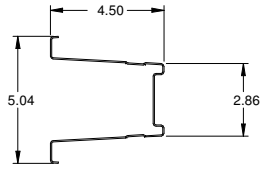
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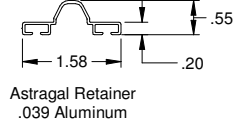
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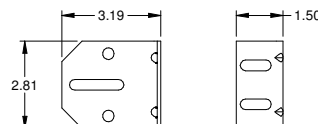
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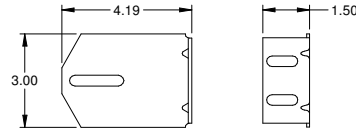
Steel Box Strut Detail
 20 Ga. (.035" Min.) Galvanized
 High Tensile Steel
 80 KSI Minimum Yield



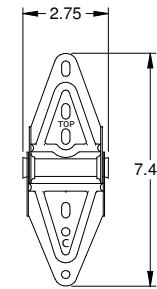
Astragal Retainer
 .039 Aluminum



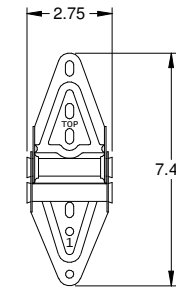
3" Track Bracket
 .116 Galv. Steel



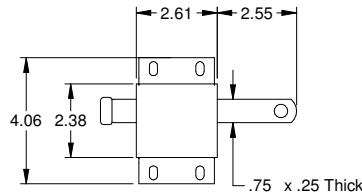
4" Track Bracket
 .116 Galv. Steel



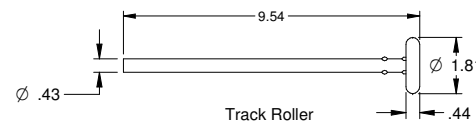
Center Hinge
 .070 Galv. Steel



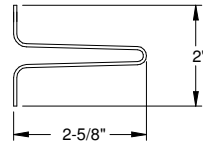
Edge Hinge
 .086 Galv. Steel



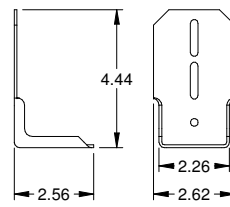
Slide Lock Case
 .086 Galv. Steel
Optional Interior Lock Detail



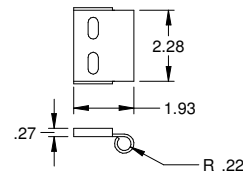
Track Roller



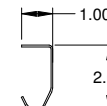
Steel U-bar Detail
 18 Ga. (.049" Min.) Galvanized
 High Tensile Steel
 80 KSI Minimum Yield



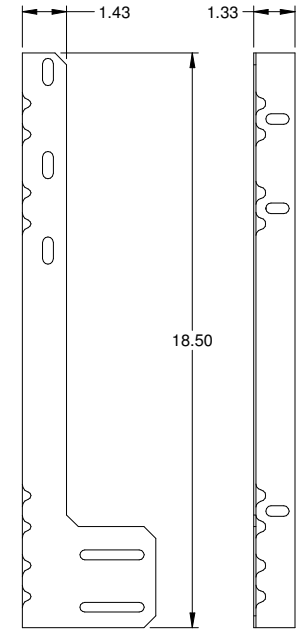
Top Fixture
 .086 Galv. Steel



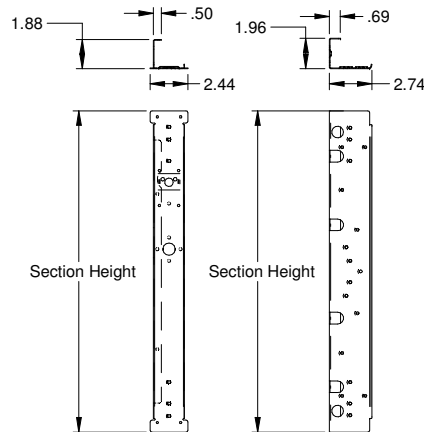
Top Fixture Roller Carrier
 .086 Galv. Steel
 Attached to top fixture with
 (2) track bolts and whiz nuts



Track
 .055 Galv. Steel

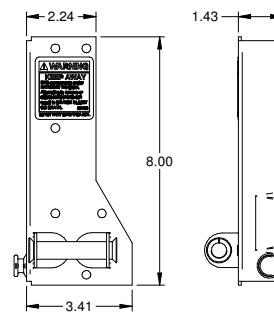


Jamb Angle
 .078 Galv. Steel

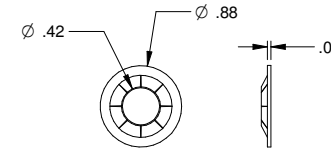


Center Stile
 .034 Galv. Steel

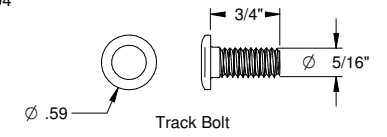
End Stile
 .043 Galv. Steel



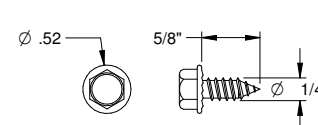
Corner Bracket
 .086 Galv. Steel



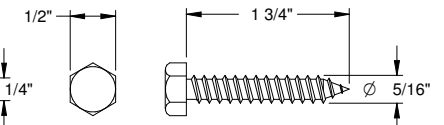
Retaining Nut



Track Bolt



Sheet Metal Screw



Hex Head Lag Screw

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