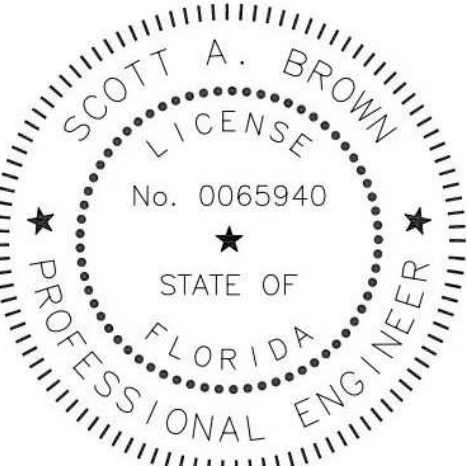
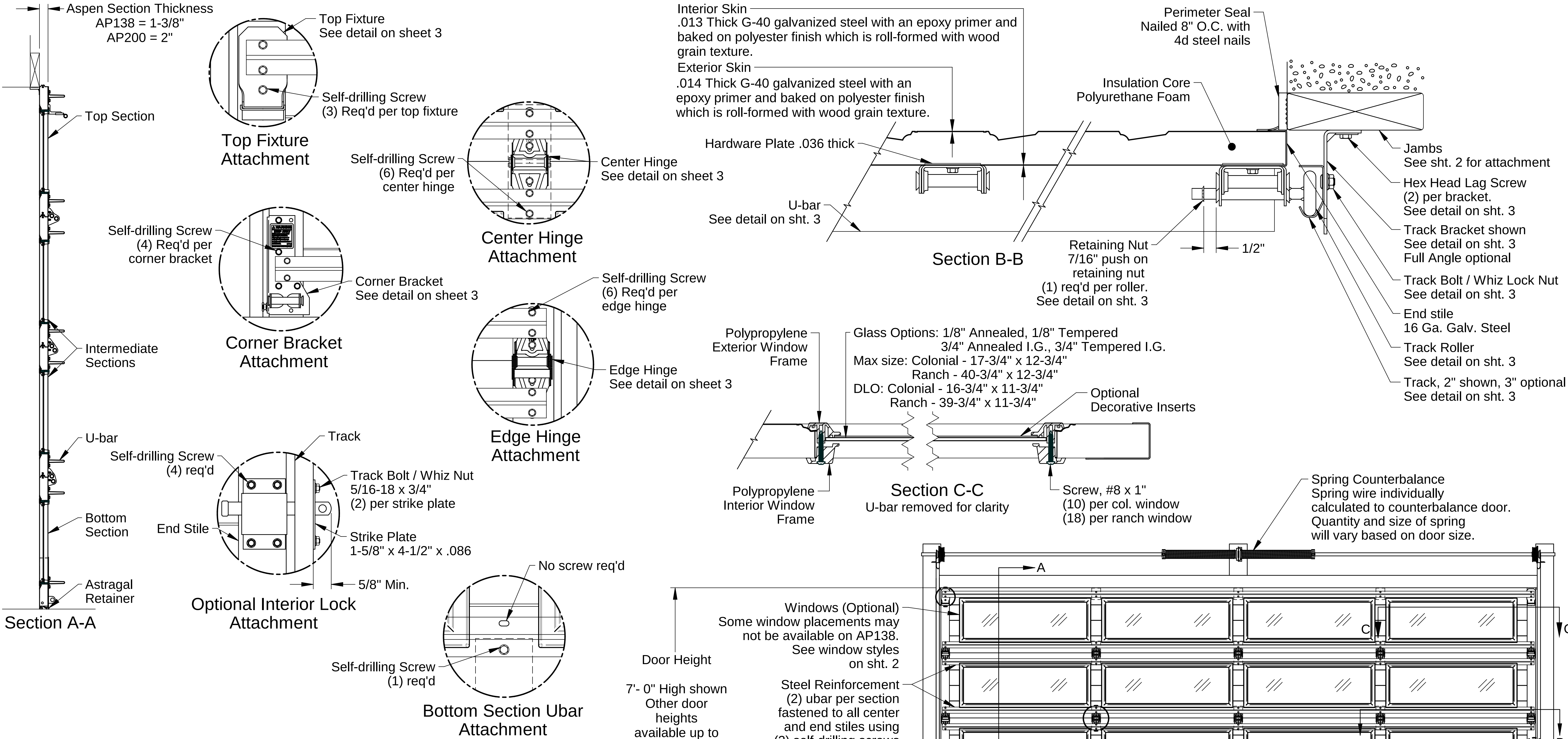




Scott A. Brown, P.E. Lic. No. 65940
Willett, Hofmann & Associates, Inc.
809 E. 2nd Street, Dixon, IL 61021
FBPE CA Lic. No. 35415
Structural Adequacy for Wind Load

Scott A. Brown

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Doors tested per
ANSI/DASMA 108
for static air pressure

AP138 / AP200 / MAP200									
Max. Door Width	Colonial		Ranch		Carriage House				
	Ctr.	Design Loads	Ctr.	Design Loads	Ctr.	Design Loads			
	Hngs.	24" Max	Hngs.	24" Max	Hngs.	24" Max			
	per	Section	per	Section	per	Section			
	Sect.	Height	Sect.	Height	Sect.	Height			
8'-0"	1	68.4	-77.3	1	68.4	-77.3	1	68.4	-77.3
9'-0"	1	60.8	-68.7	1	60.8	-68.7	1	60.8	-68.7
10'-0"	2	49.8	-56.3	1	49.2	-55.6	1	49.2	-55.6
12'-0"	2	41.5	-46.9	2	41.5	-46.9	2	31.0	-34.6
14'-0"	4	30.5	-34.5	2	30.5	-34.5	2	26.6	-29.7
16'-0"	3	26.4	-29.4	3	26.4	-29.4	3	26.4	-29.4
18'-0"	3	20.9	-23.2	3	20.9	-23.2	3	20.9	-23.2
20'-2"	5	14.5	-16.2	4	14.5	-16.2	3	14.5	-16.2

Door Height
7'- 0" High shown
Other door heights available up to 10'-0" using 18", 21" or 24" high sections

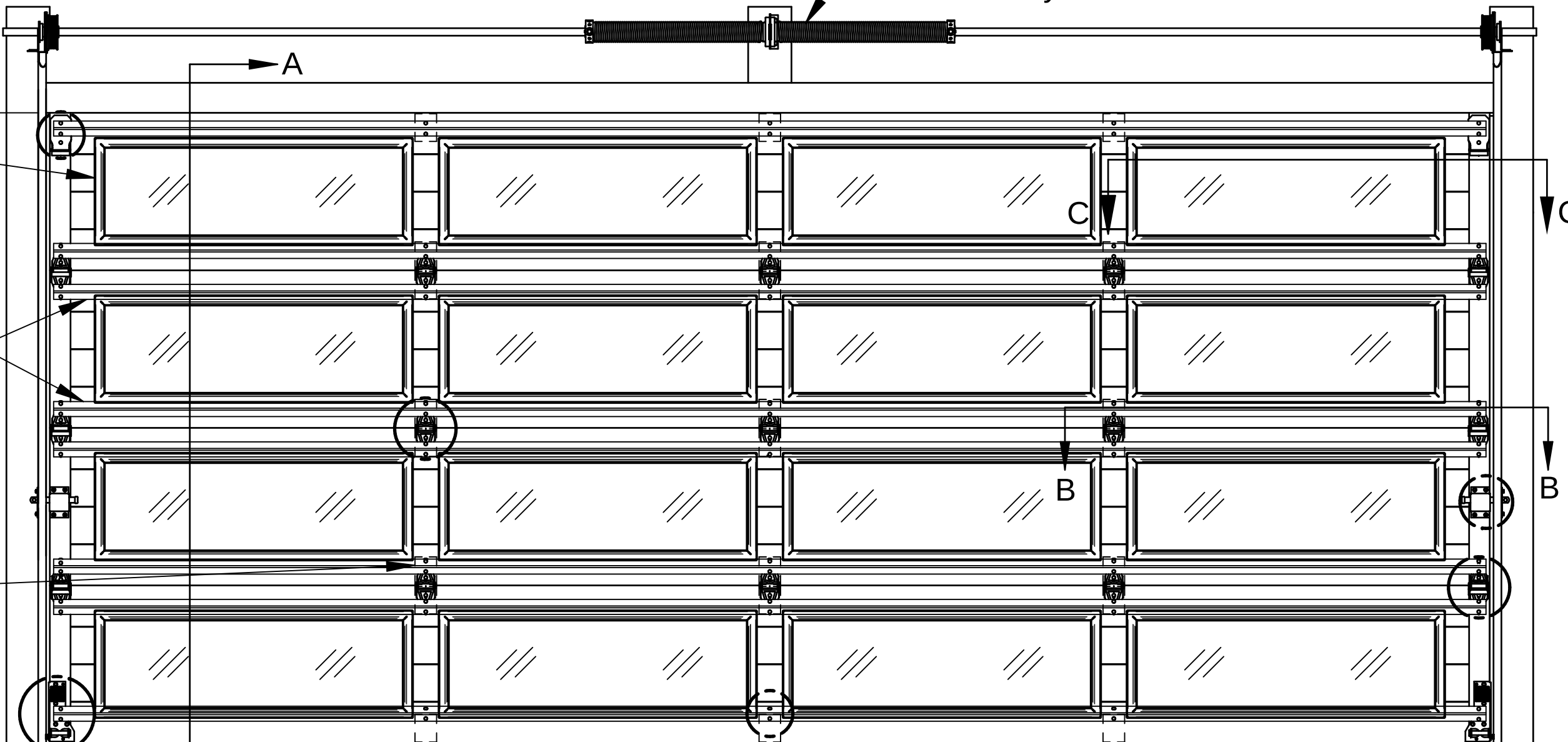
Windows (Optional)
Some window placements may not be available on AP138. See window styles on sht. 2

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

Embedded Hardware Plates

Locks required on doors not electrically operated.

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

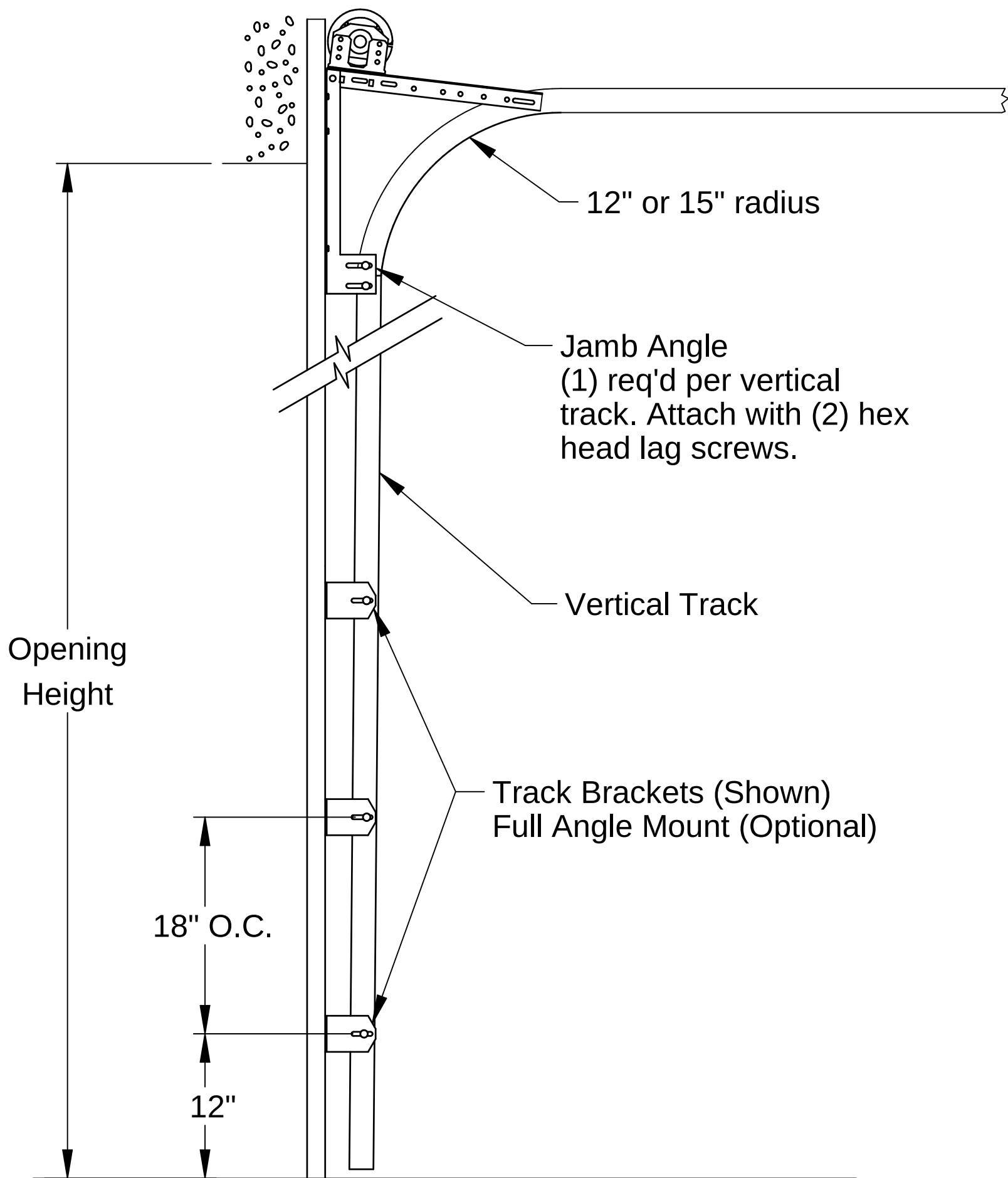


Door Width
See chart for other door widths (16'-0" Ranch shown)

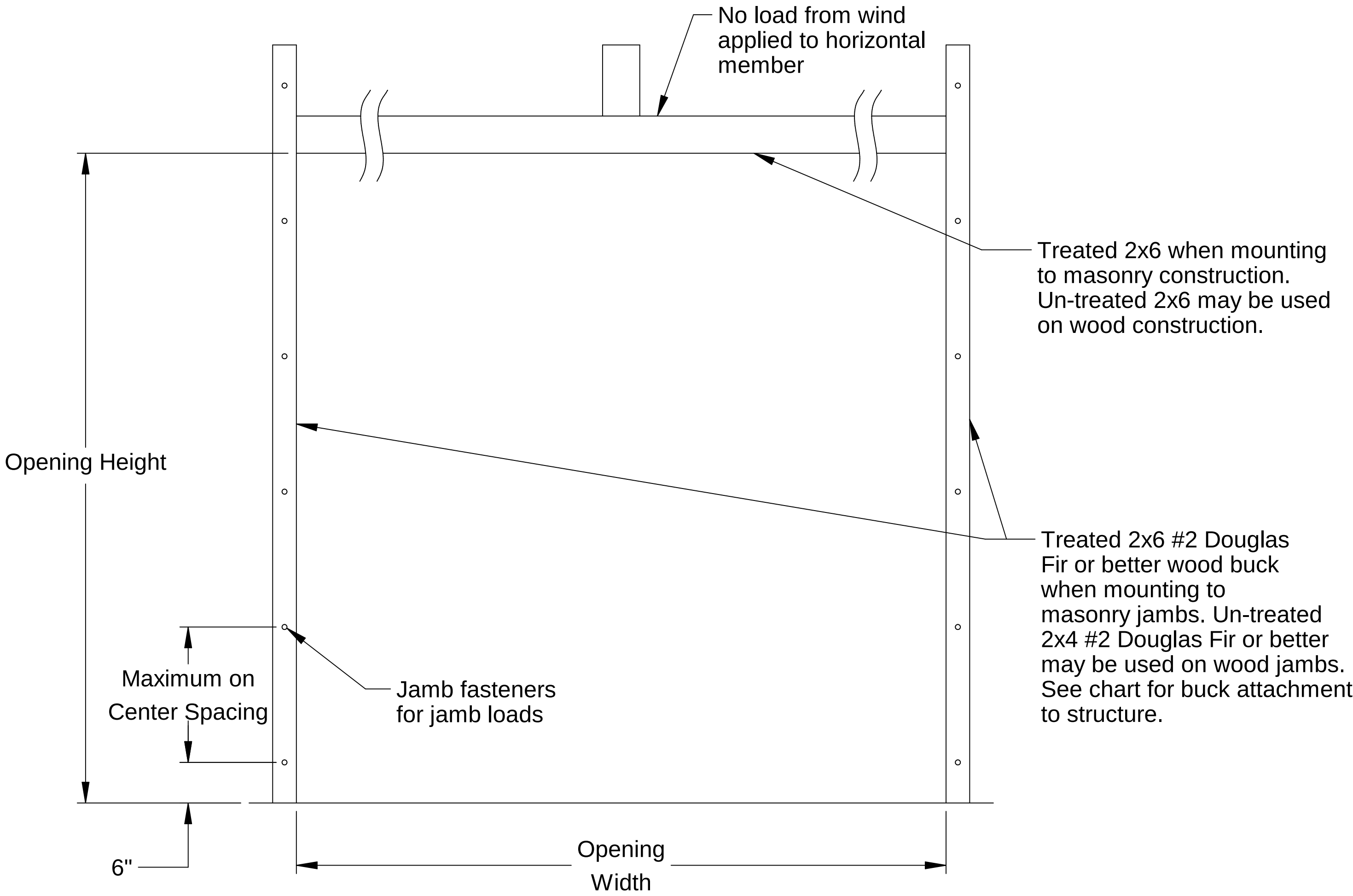
Interior Elevation

FL#21471

				Drawn by: R. Frey	 1101 East River Road Dixon, IL. 61021	Spec, Wind Load Residential Aspen		
B	Added MAP200, updated P.E. information	8997.01	12/08/23	Checked by: G. Wedekind		No. P-2345	Sheet 1 of 3	Rev B
A	Preliminary release.	8399.01	07/21/21	Date: 07/21/21				
Rev.	Description	ECO	Date	ECO: 8399.01				



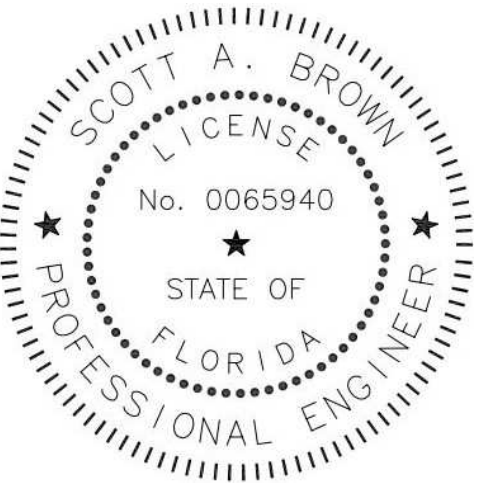
Typical Track Installation
Normal headroom track shown
Low headroom and lift clearance available



Jamb Attachment Notes:

1. Maximum Positive Load per Jamb = (9'-0" x 60.8 PSF) / 2 = 274 lbs. per foot.
2. Maximum Negative Load per Jamb = (9'-0" x -68.7 PSF) / 2 = 310 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"	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

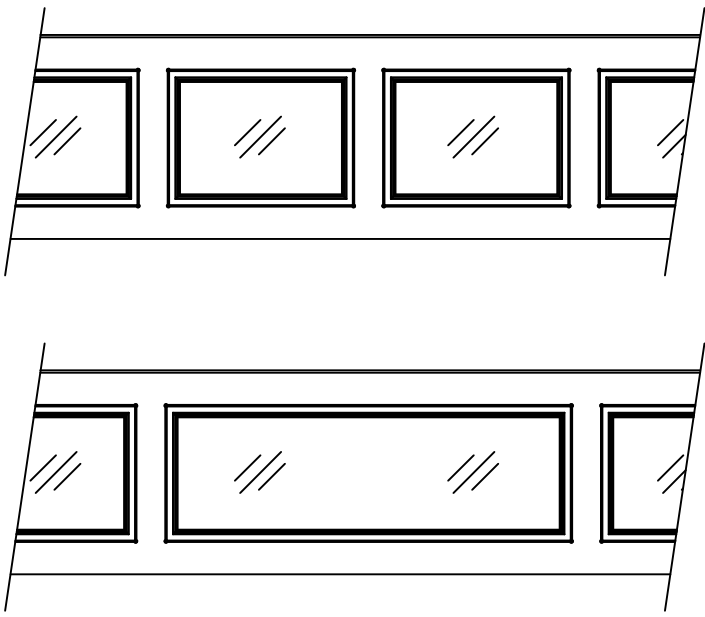


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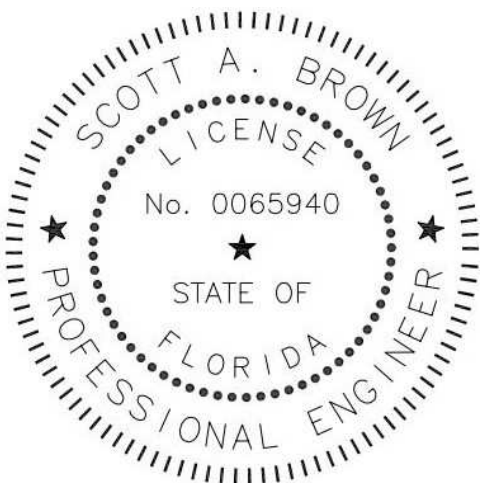
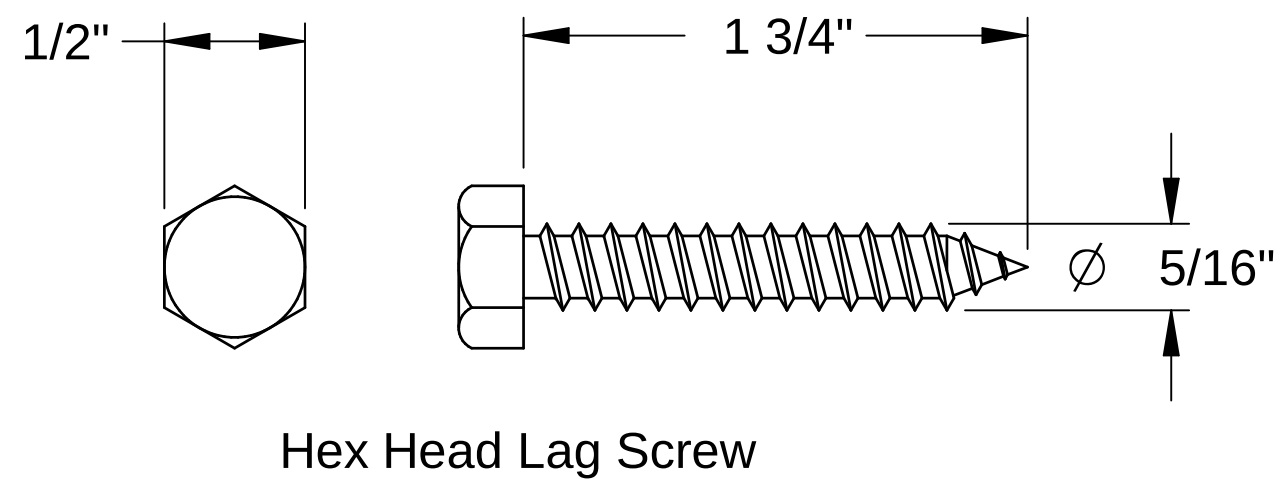
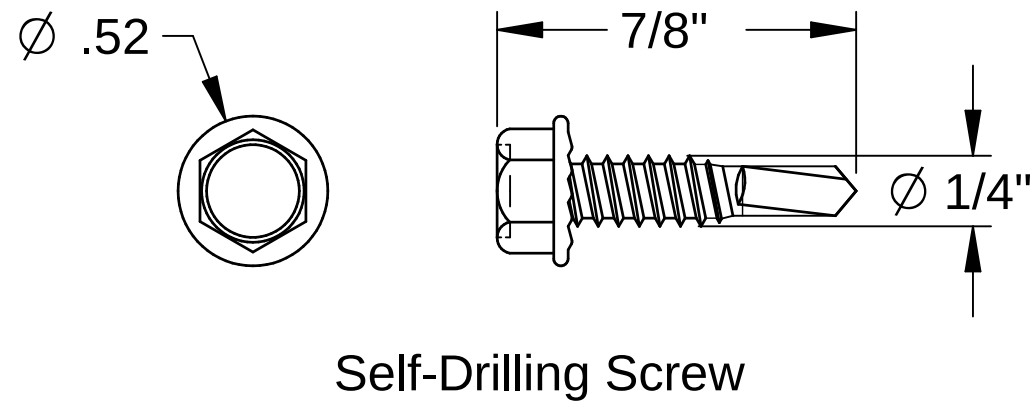
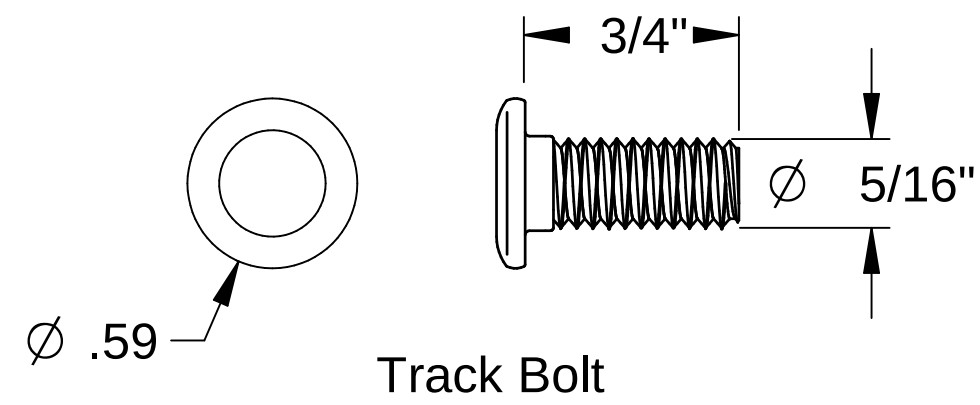
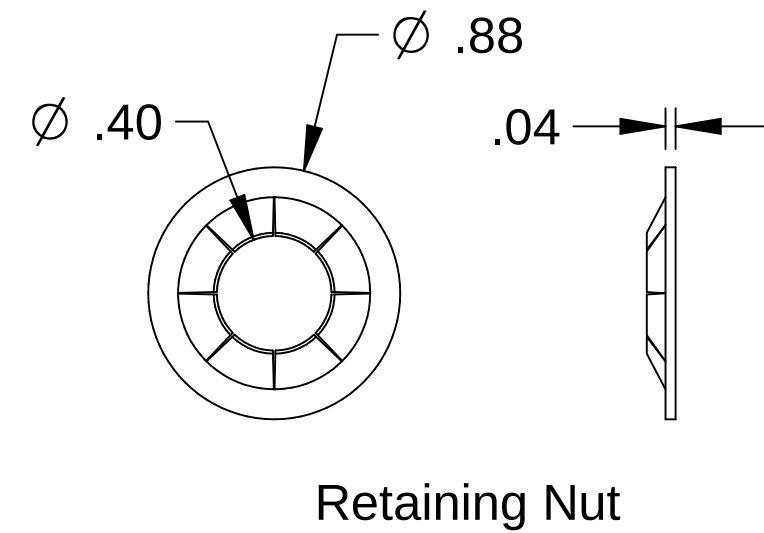
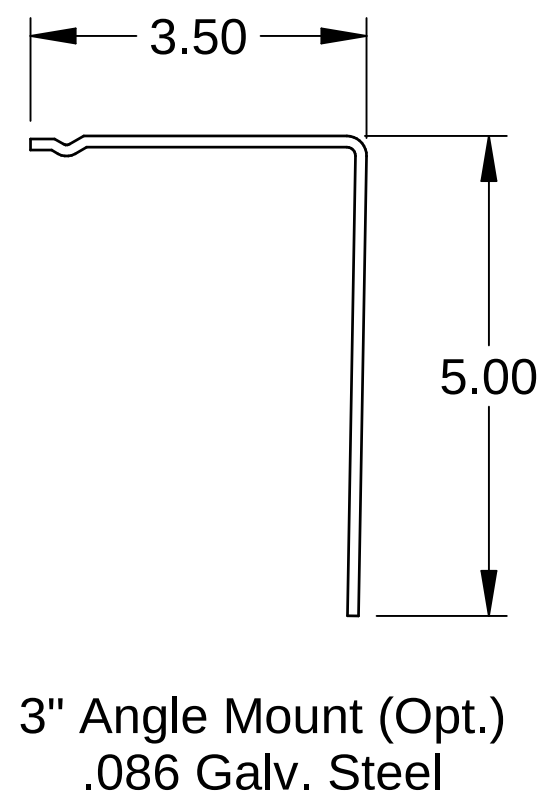
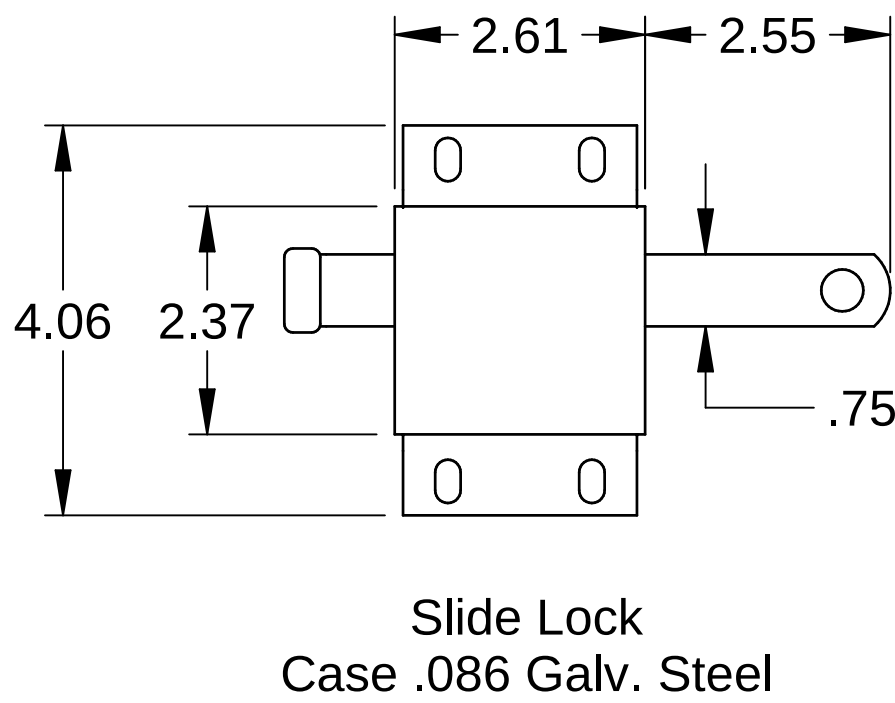
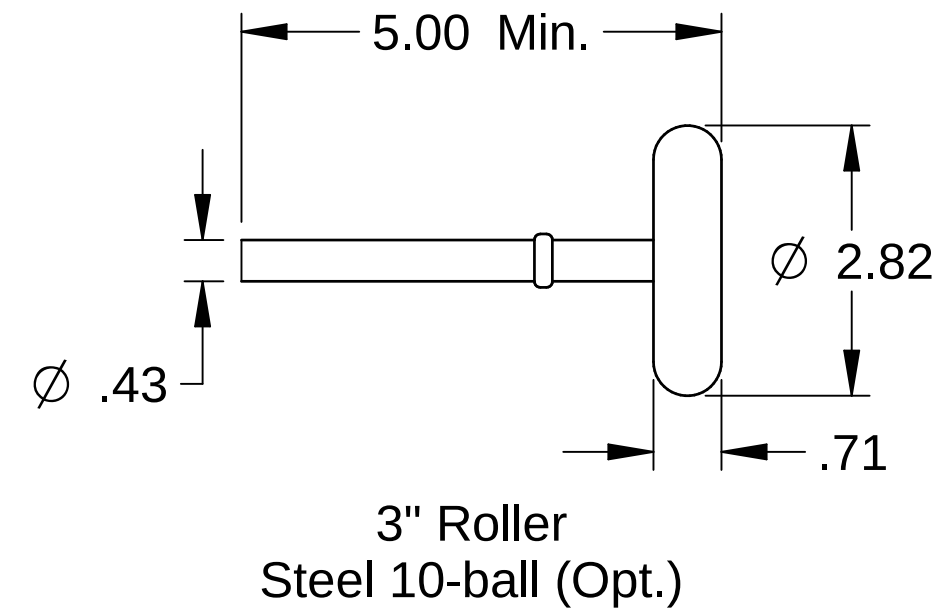
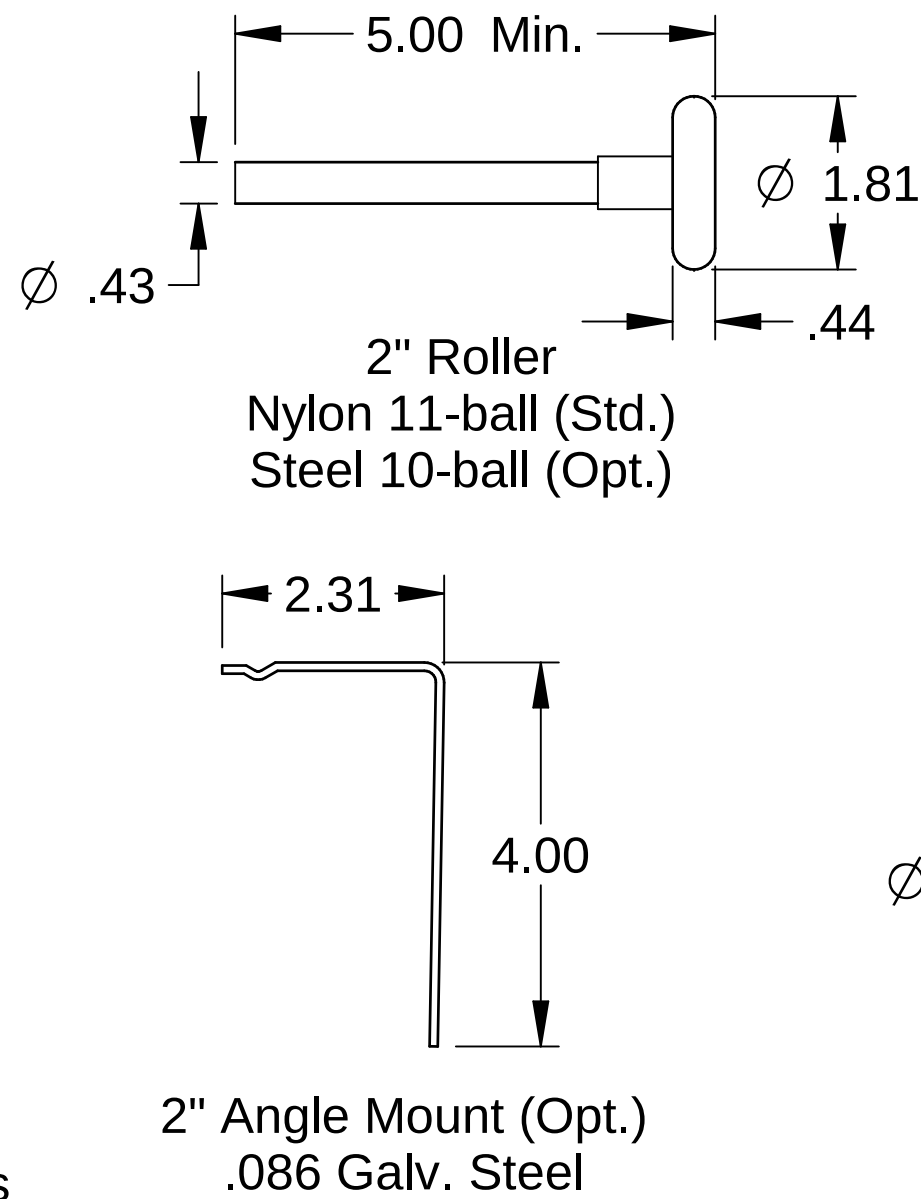
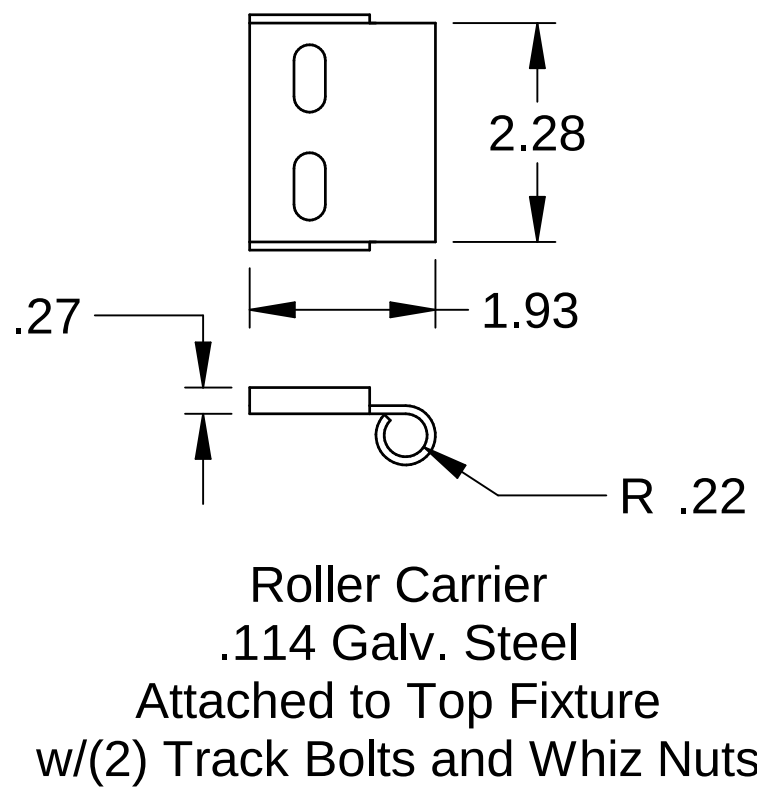
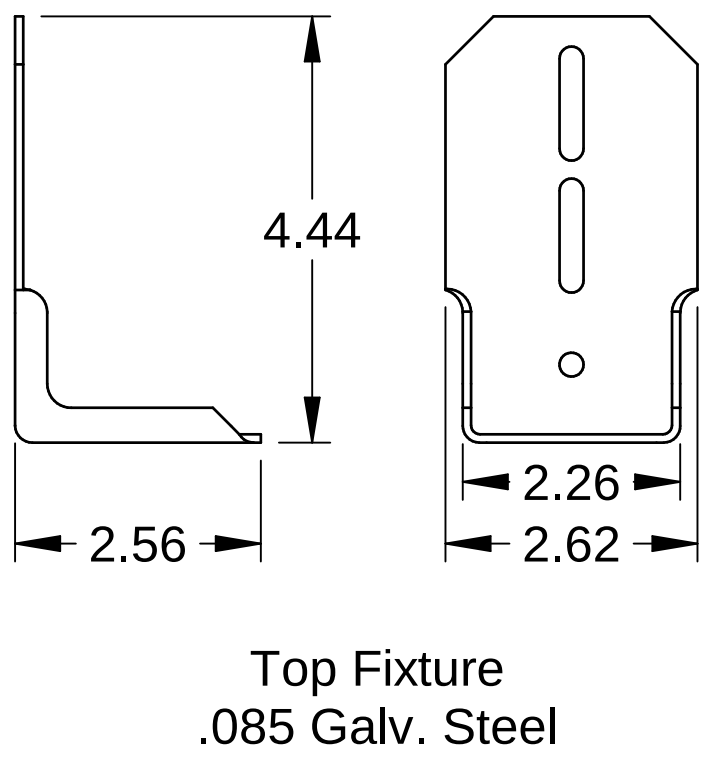
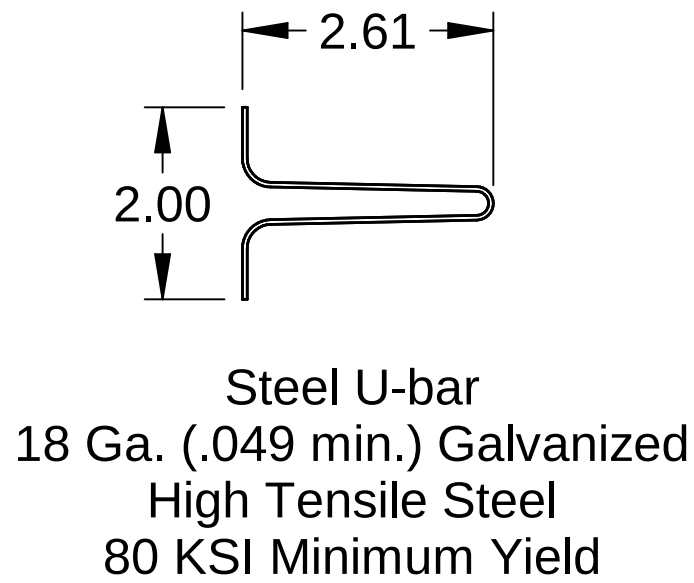
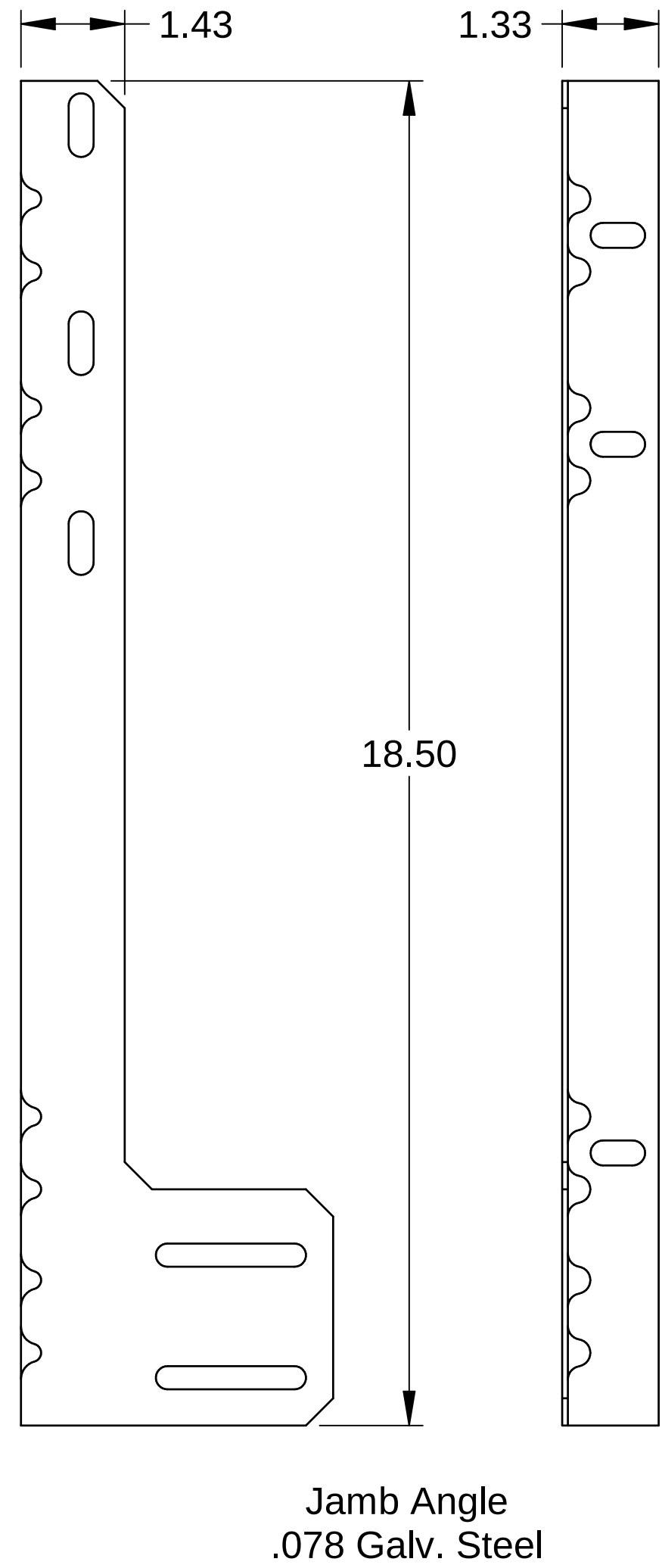
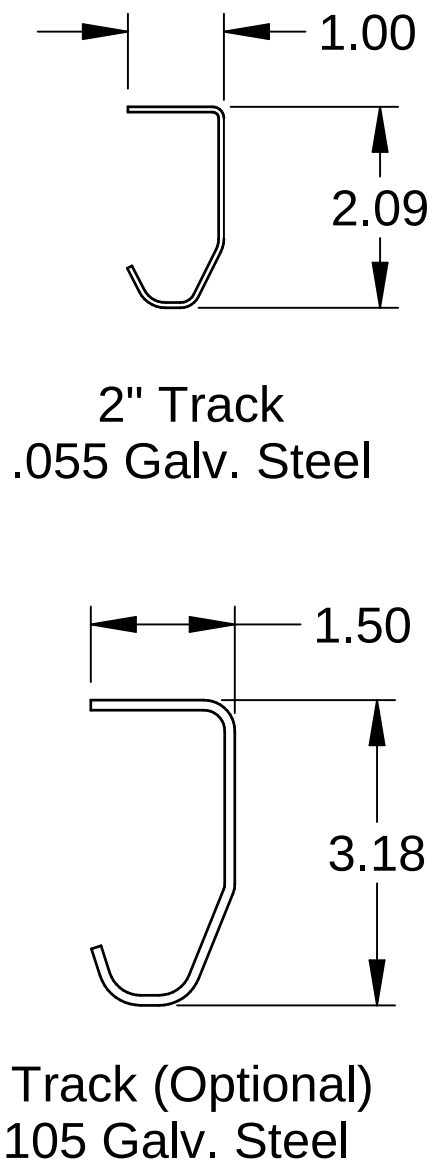
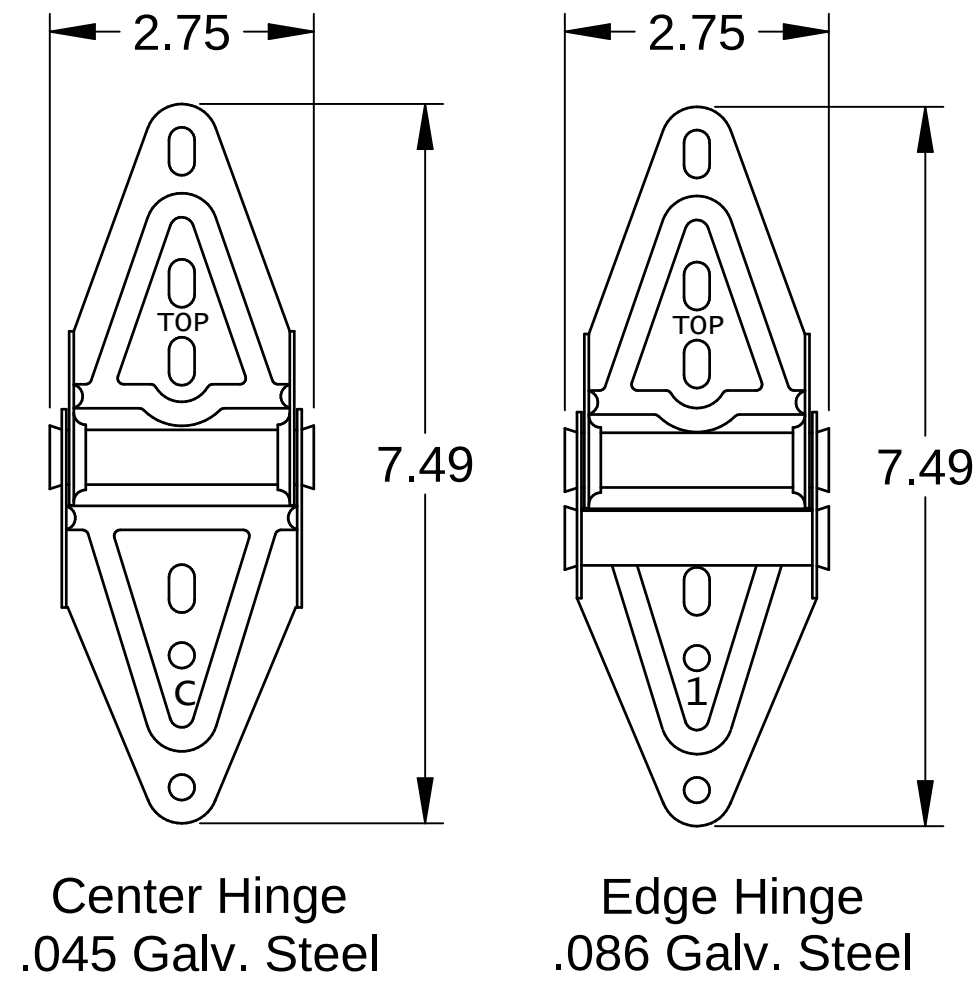
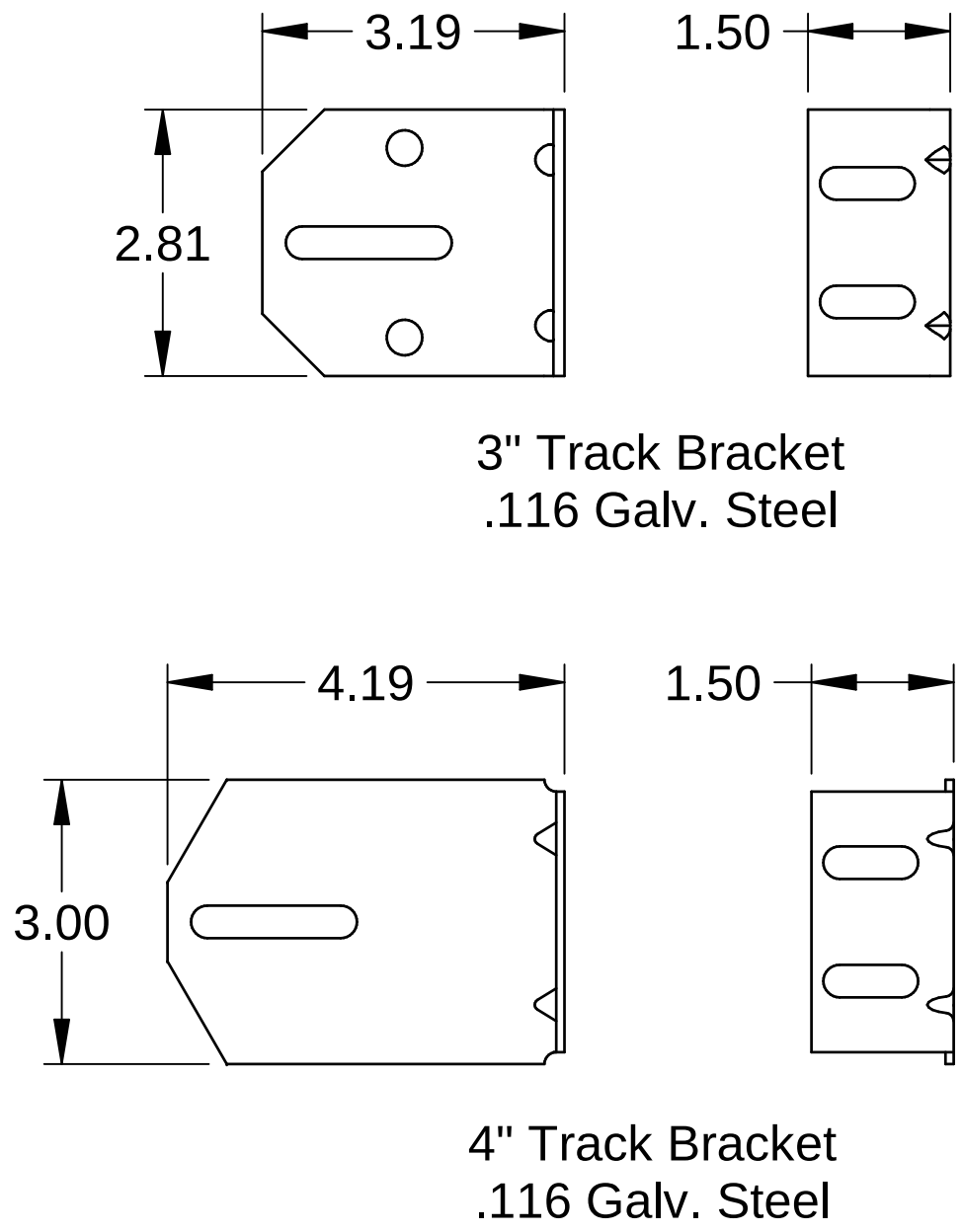
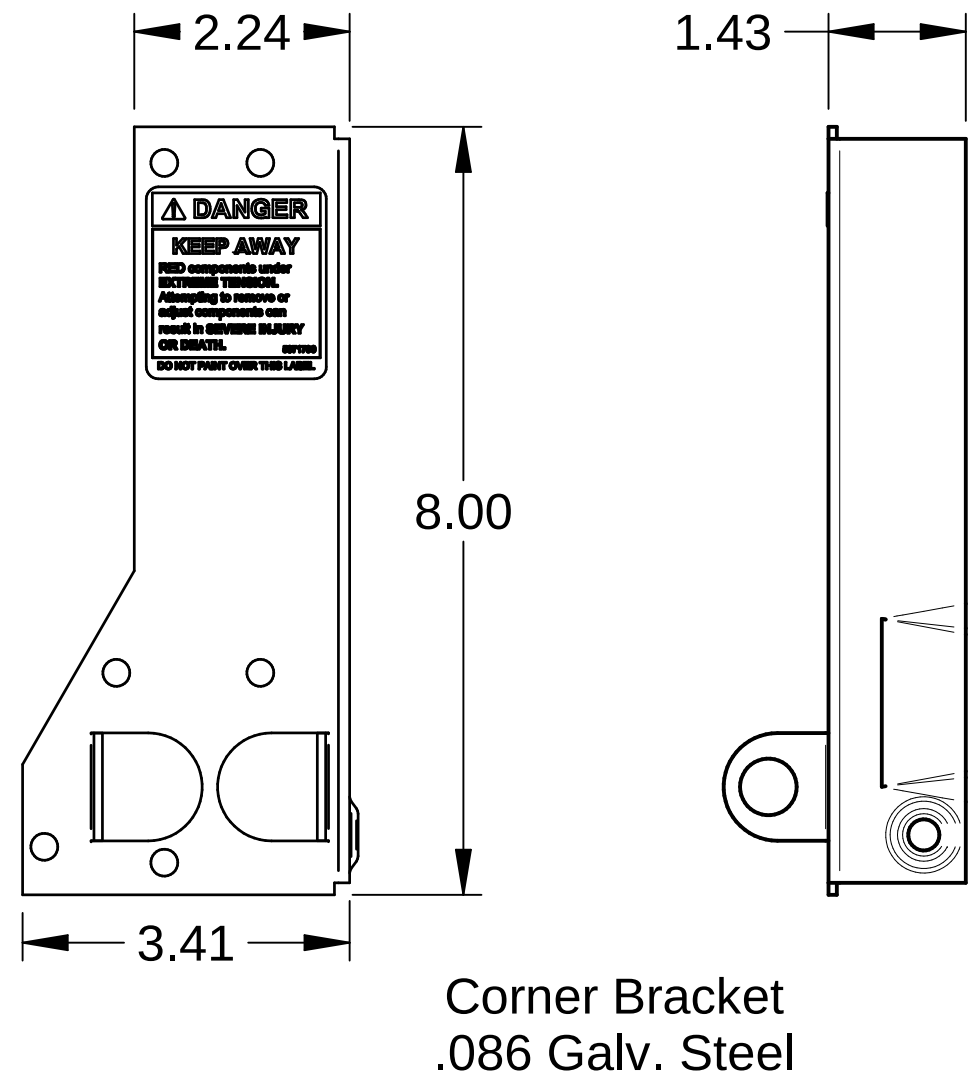
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Window Styles

Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load Residential Aspen	
Drawn by: R. Frey		No. P-2345	Sheet 2
Checked by: G. Wedekind			
Date: 07/21/21			
ECO: 8399.01			Rev B



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Title: Spec, Wind Load Residential Aspen		
No. P-2345	Sheet 3	Rev B