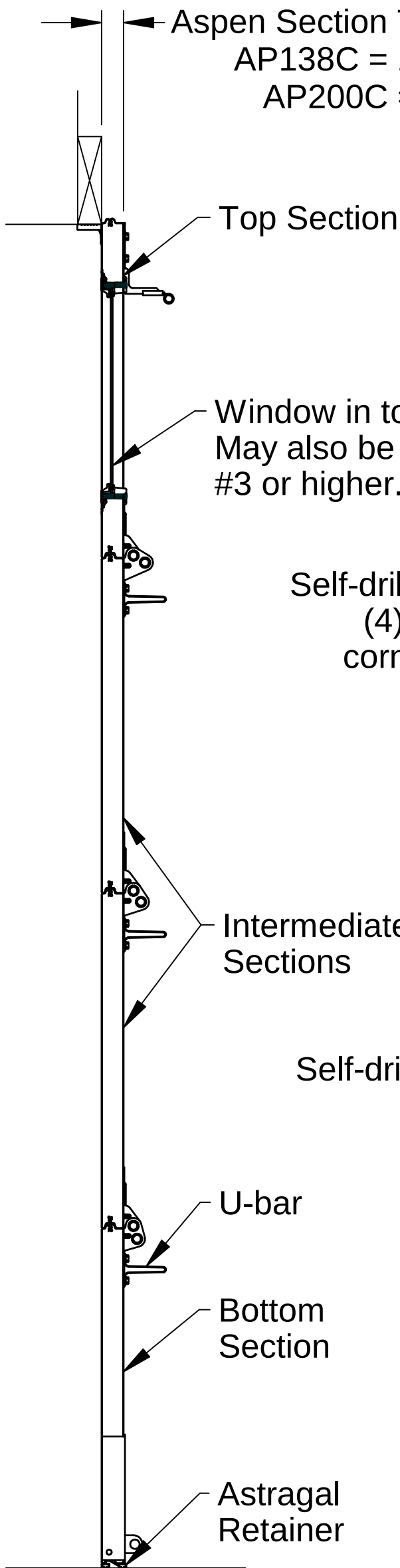
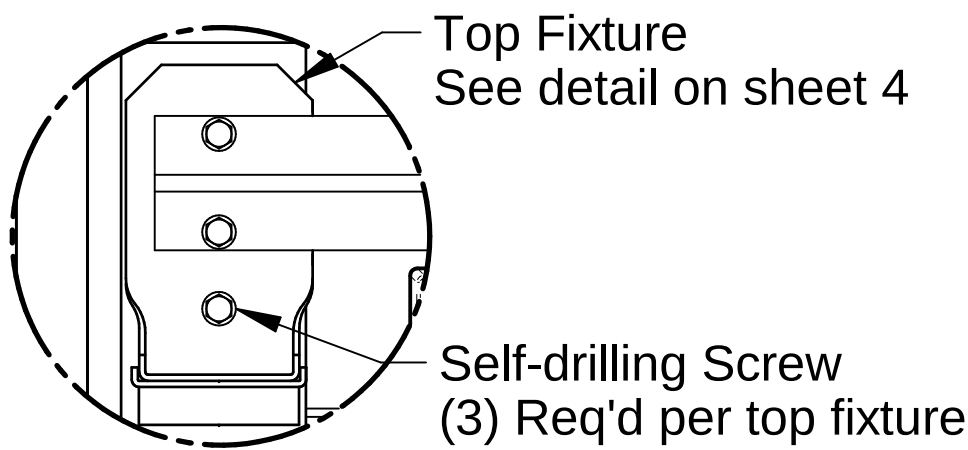
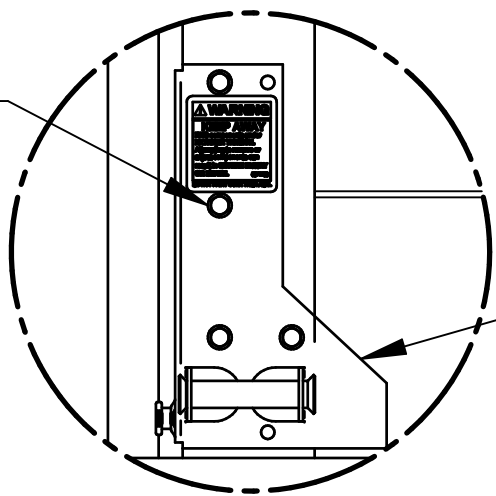




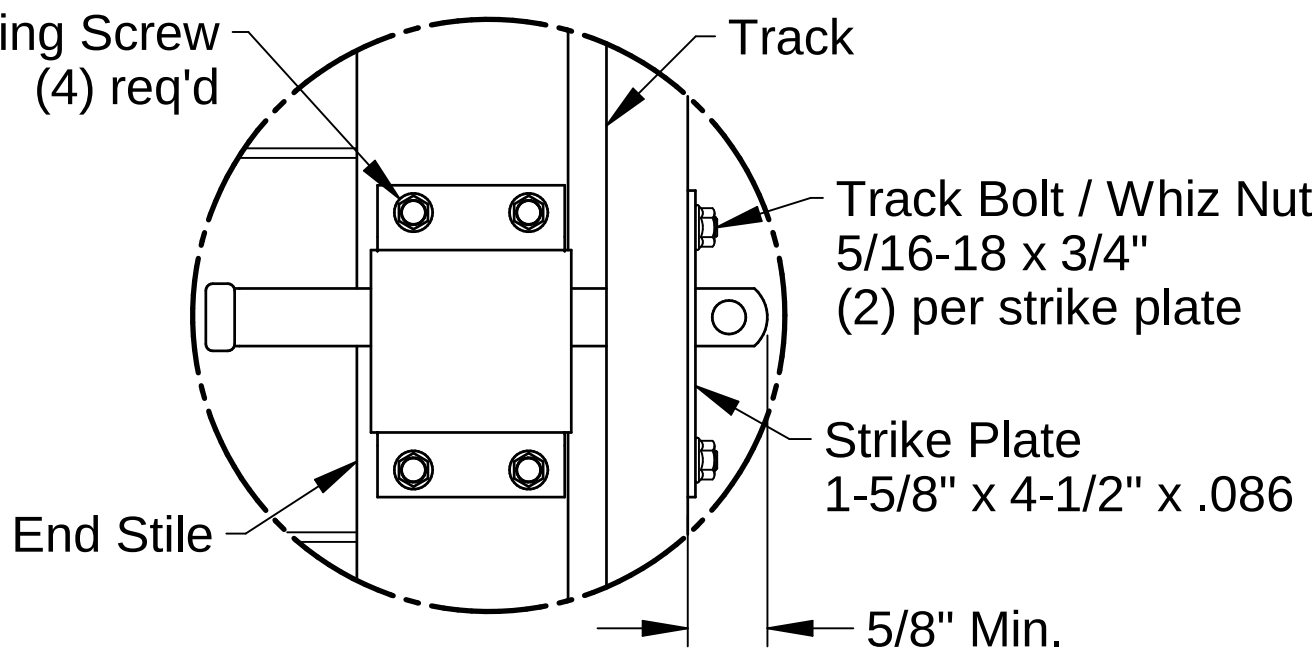
Section A-A



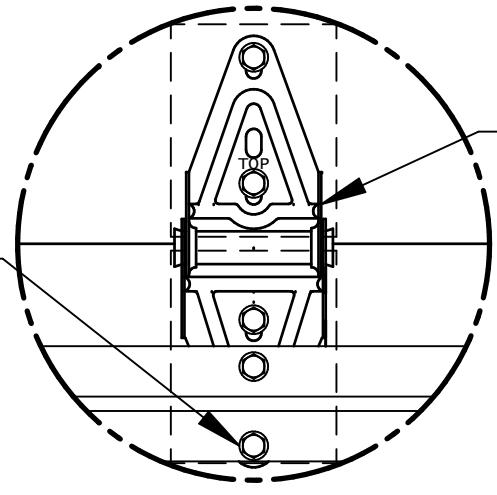
Top Fixture Attachment



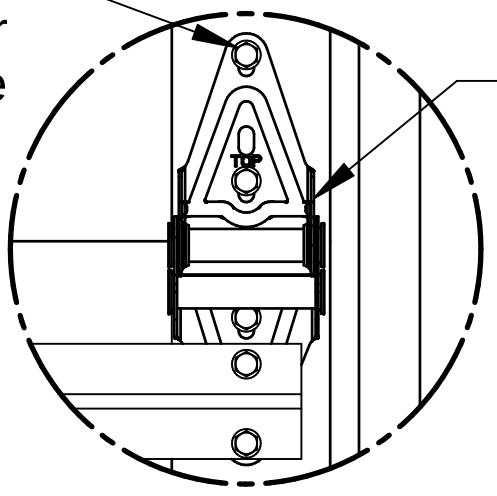
Corner Bracket Attachment



Optional Interior Lock Attachment



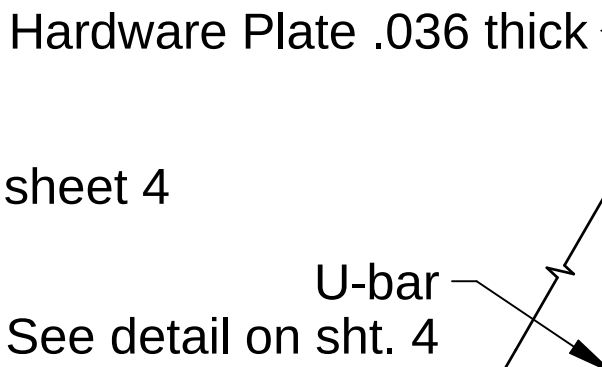
Center Hinge Attachment



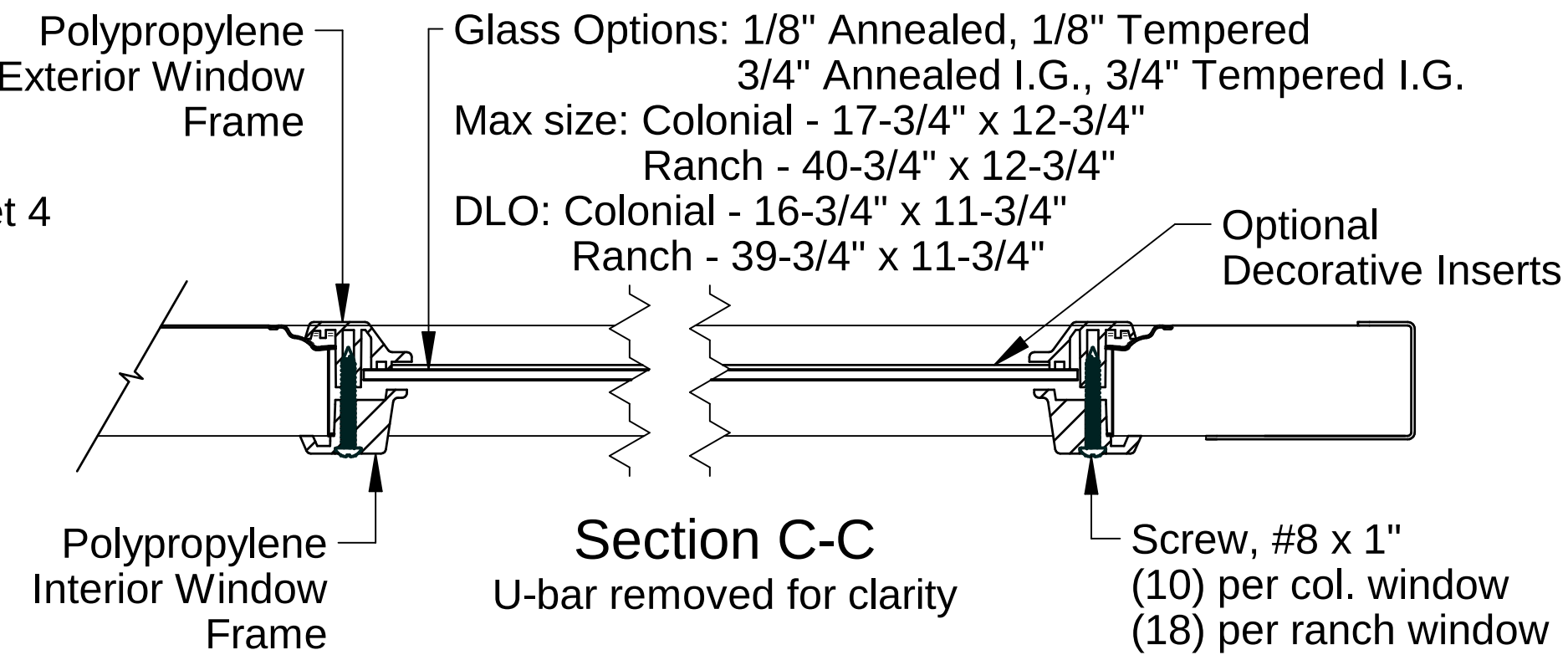
Edge Hinge Attachment

Interior Skin
.013 Thick G-40 galvanized steel with an epoxy primer and baked on polyester finish which is roll-formed with wood grain texture.

Exterior Skin
.014 Thick G-40 galvanized steel with an epoxy primer and baked on polyester finish which is roll-formed with wood grain texture.

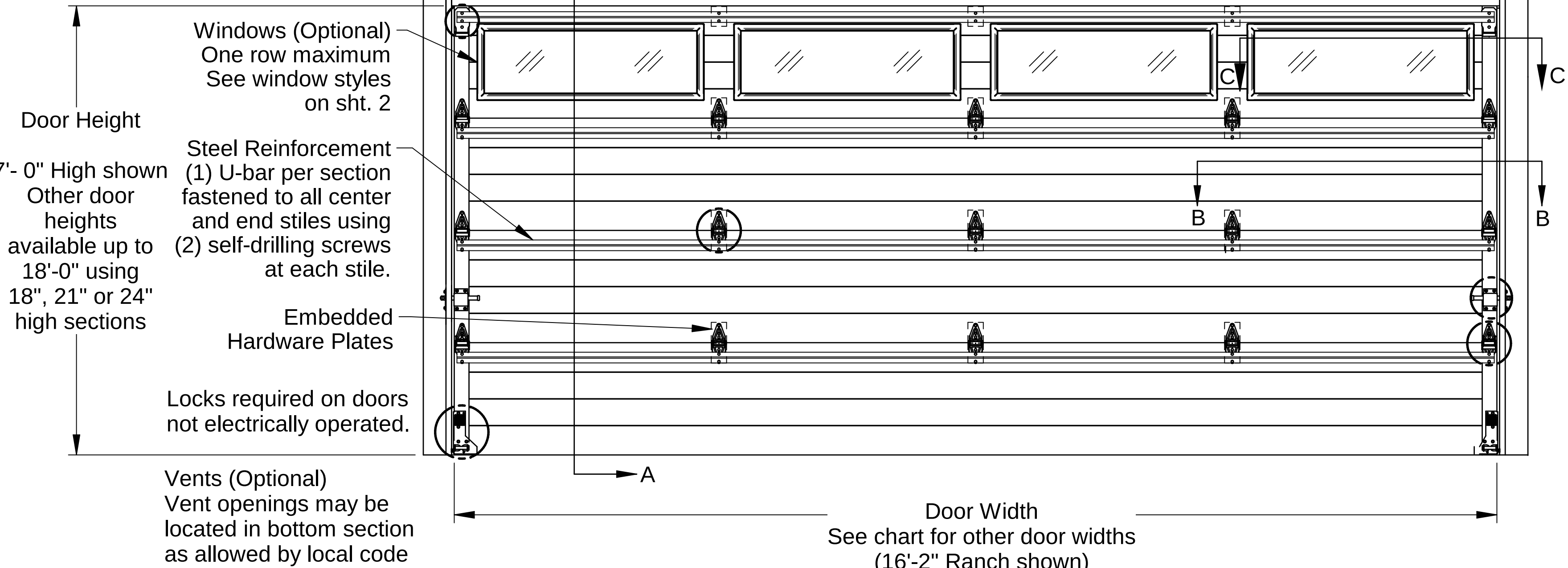


Section B-B



Section C-C

- Jambs
See sht. 2 for attachment
- Hex Head Lag Screw
(2) per bracket.
See detail on sht. 4
- Track Bracket shown
See detail on sht. 4
Full Angle optional
- Track Bolt / Whiz Lock Nut
See detail on sht. 4
- End stile
20 Ga. Galv. Steel
- Track Roller
See detail on sht. 4
- Track, 2" shown, 3" optional
See detail on sht. 4



Interior Elevation

FL#21471



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AP138C															
Max. Door Width	Colonial					Ranch					Carriage House				
	Ctr. Hngs. per Sect.	Design Loads				Ctr. Hngs. per Sect.	Design Loads				Ctr. Hngs. per Sect.	Design Loads			
		21" Max Section Height	24" Max Section Height	38.5	-43.4		21" Max Section Height	24" Max Section Height	38.5	-43.4		21" Max Section Height	24" Max Section Height	38.5	-43.4
8'-2"	1	31.1	-35.1	38.5	-43.4	1	31.1	-35.1	38.5	-43.4	1	31.1	-35.1	38.5	-43.4
9'-2"	1	27.6	-31.2	34.2	-38.6	1	27.6	-31.2	34.2	-38.6	1	27.6	-31.2	34.2	-38.6
10'-2"	2	22.4	-25.3	22.2	-25.1	1	22.4	-25.3	27.7	-31.3	1	22.4	-25.3	27.7	-31.3
12'-2"	2	21.4	-23.7	18.5	-20.9	2	21.4	-23.7	18.5	-20.9	2	21.4	-23.7	14.5	-16.3
14'-2"	4	15.7	-17.4	13.6	-15.4	2	15.7	-17.4	13.6	-15.4	2	15.7	-17.4	12.4	-13.9
16'-2"	3	12.0	-13.4	10.9	-12.2	3	12.0	-13.4	10.9	-12.2	3	12.0	-13.4	10.9	-12.2

AP200C / MAP200C																		
Max. Door Width	Ctr. Hngs. per Sect.	Colonial				Ctr. Hngs. per Sect.	Ranch				Ctr. Hngs. per Sect.	Carriage House						
		Design Loads					Design Loads					Design Loads						
		21" Max Section Height	-55.0	38.5	24" Max Section Height		-43.4	21" Max Section Height	-55.0	38.5		24" Max Section Height	-43.4	21" Max Section Height	-55.0	38.5	24" Max Section Height	-43.4
8'-2"	1	48.6	-55.0	38.5	-43.4	1	48.6	-55.0	38.5	-43.4	1	48.6	-55.0	38.5	-43.4			
9'-2"	1	43.2	-48.9	34.2	-38.6	1	43.2	-48.9	34.2	-38.6	1	43.2	-48.9	34.2	-38.6			
10'-2"	2	35.0	-39.6	22.2	-25.1	1	35.0	-39.6	27.7	-31.3	1	35.0	-39.6	27.7	-31.3			
12'-2"	2	24.3	-27.5	18.5	-20.9	2	24.3	-27.5	18.5	-20.9	2	24.3	-27.5	14.5	-16.3			
14'-2"	4	17.9	-20.2	13.6	-15.4	2	17.9	-20.2	13.6	-15.4	2	17.9	-20.2	12.4	-13.9			
16'-2"	3	13.7	-15.5	10.9	-12.2	3	13.7	-15.5	10.9	-12.2	3	13.7	-15.5	10.9	-12.2			
18'-2"	3	10.8	-12.2	8.6	-9.6	3	10.8	-12.2	8.6	-9.6	3	10.8	-12.2	8.6	-9.6			

Rev.	Description	ECO	Date	ECO: 8399.01
B	Added MAP200C, updated P.E. information	8997.01	12/08/23	Checked by: R. Frey
A	Preliminary release.	8399.01	07/14/21	Date: 07/14/21

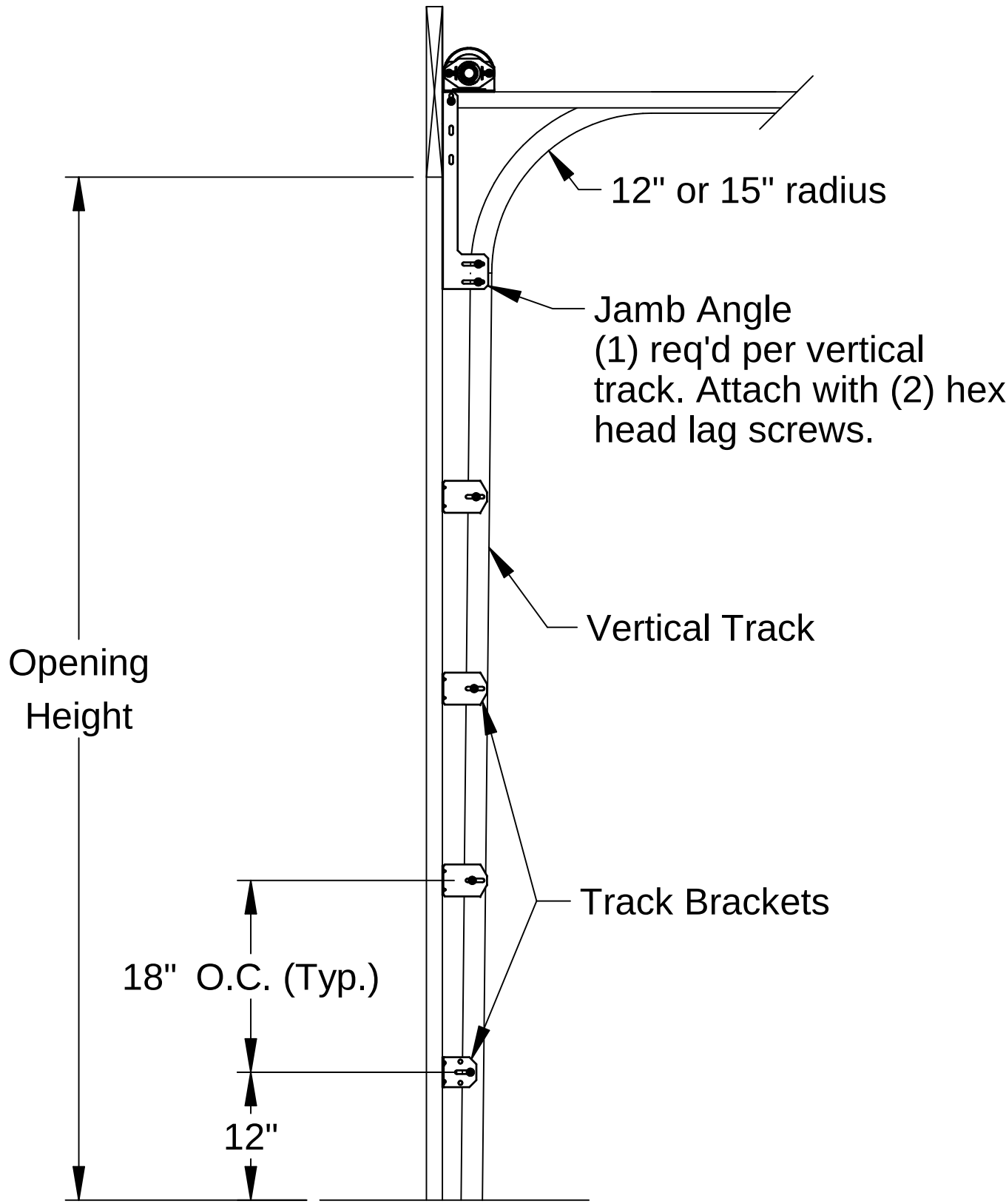
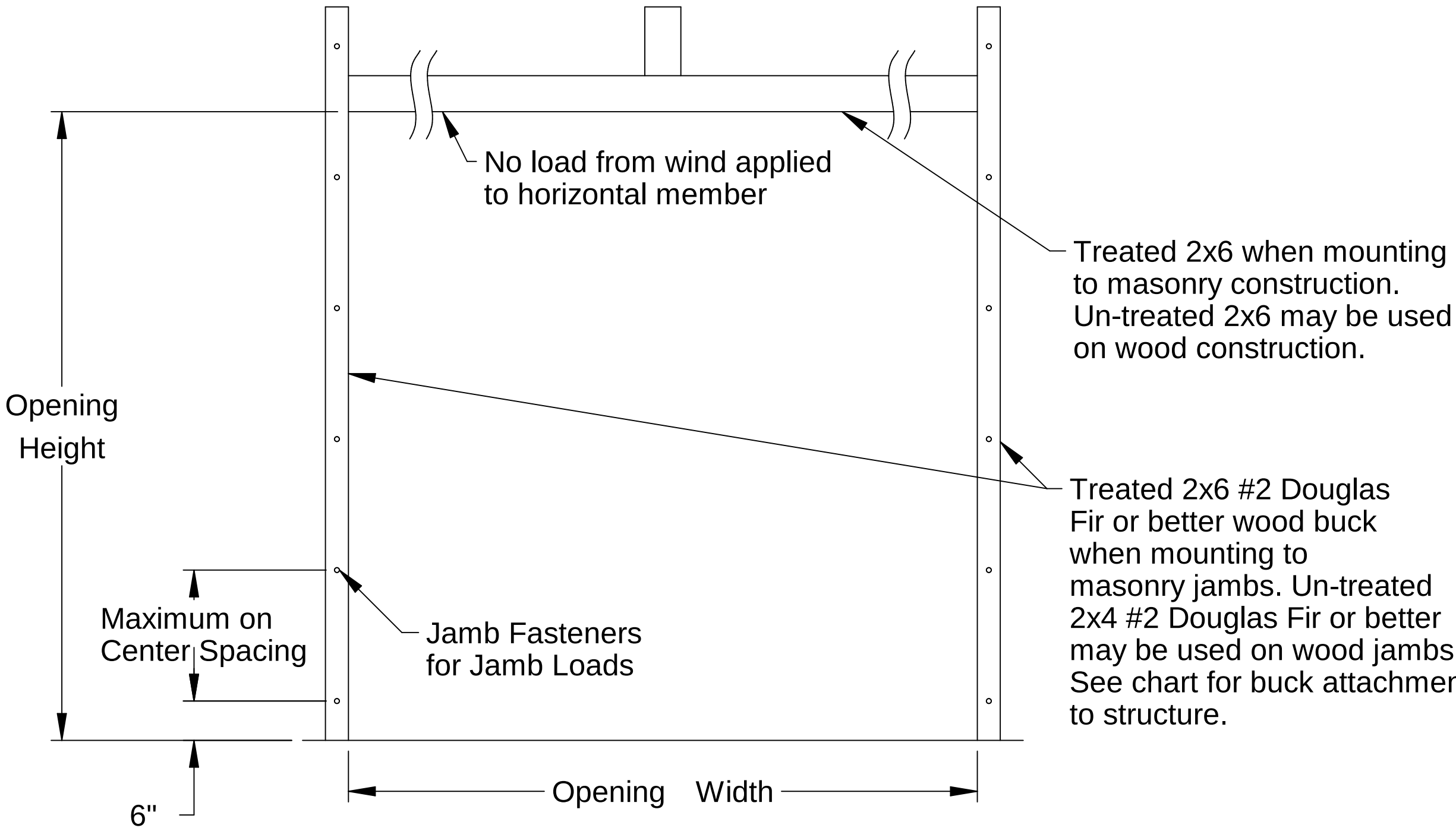
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Drawn by: J. Lahman		No. P-2440	
Checked by: R. Frey		Sheet 1 of 4	
Date: 07/14/21		Rev B	

RAYNOR
1101 East River Road
Dixon, IL. 61021

Jamb Attachment Notes:

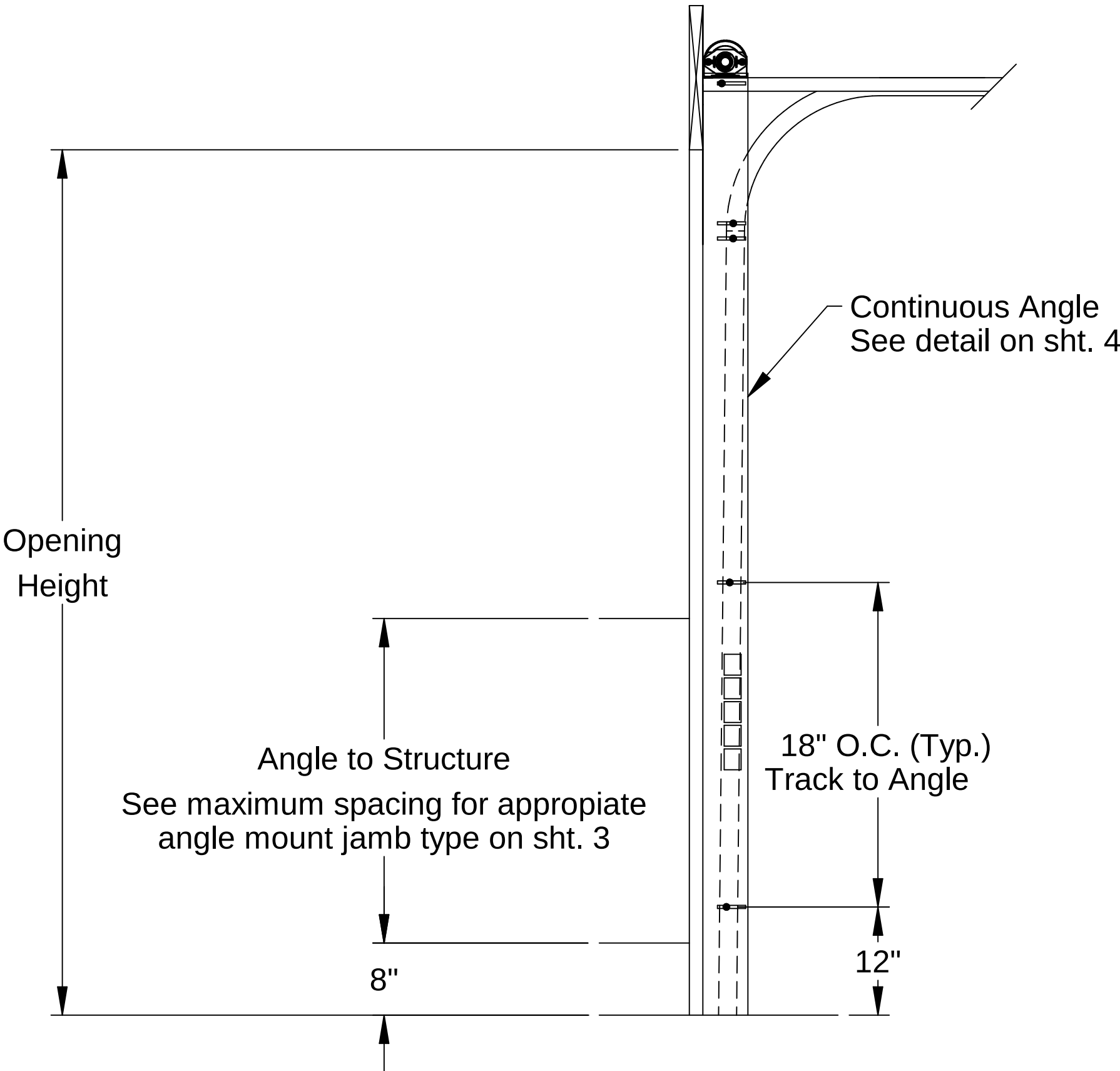
- 1. Maximum Positive Load per Jamb = (9'-0" x 43.2 PSF) / 2 = 195 lbs. per foot.
- 2. Maximum Negative Load per Jamb = (9'-0" x -48.9 PSF) / 2 = 220 lbs. per foot.
- 3. Design of the supporting structure shall be the sole responsibility of the building designer and shall be designed for the jamb loads 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 1/4" pilot hole and 1-1/2" minimum required distance.
- 7. Masonry fasteners by others.

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



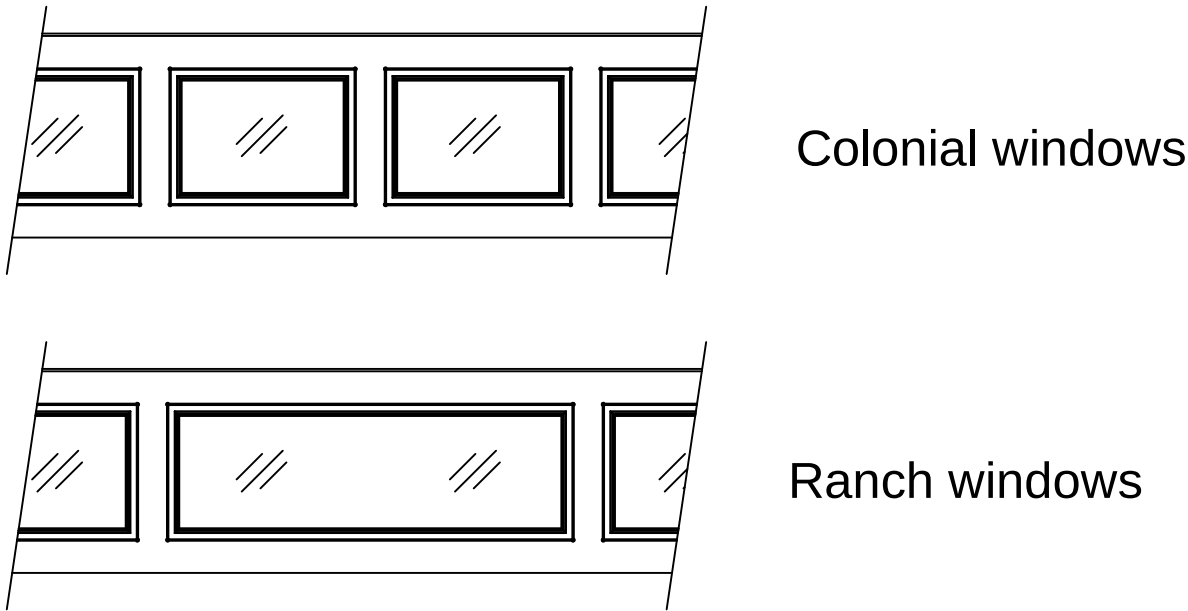
Typical Track Installation
Bracket Mount
Wood Jambs

Normal headroom track shown, low headroom, lift clearance and verical lift track available.

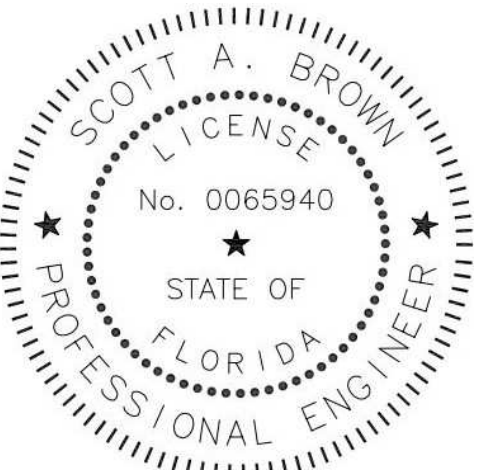


Typical Track Installation
Angle Mount
Wood, Steel or Concrete Jambs

Normal headroom track shown, low headroom, lift clearance and verical lift track available.



Window Styles



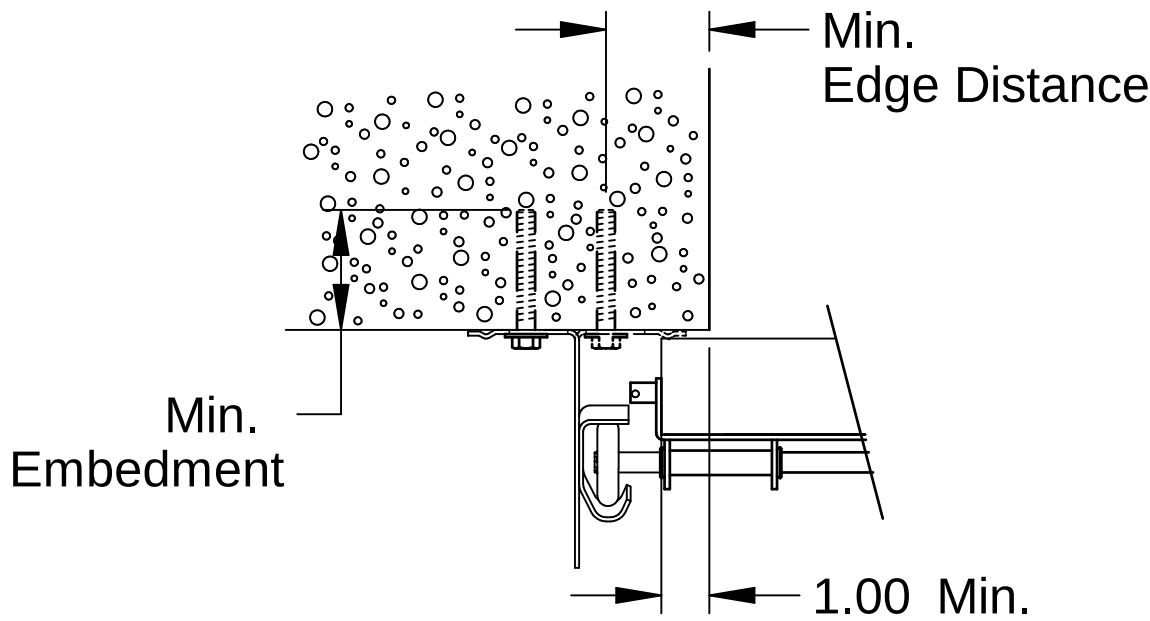
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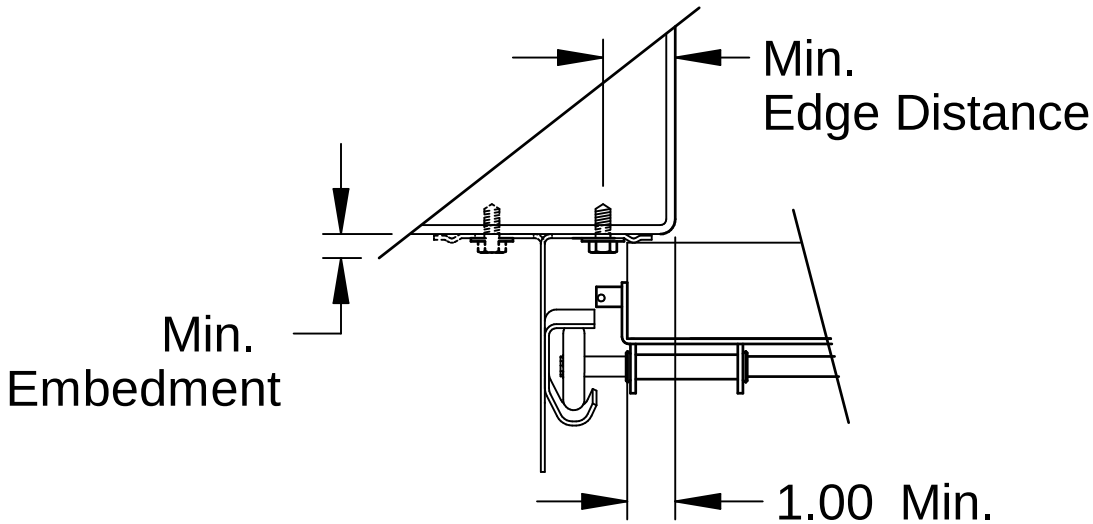
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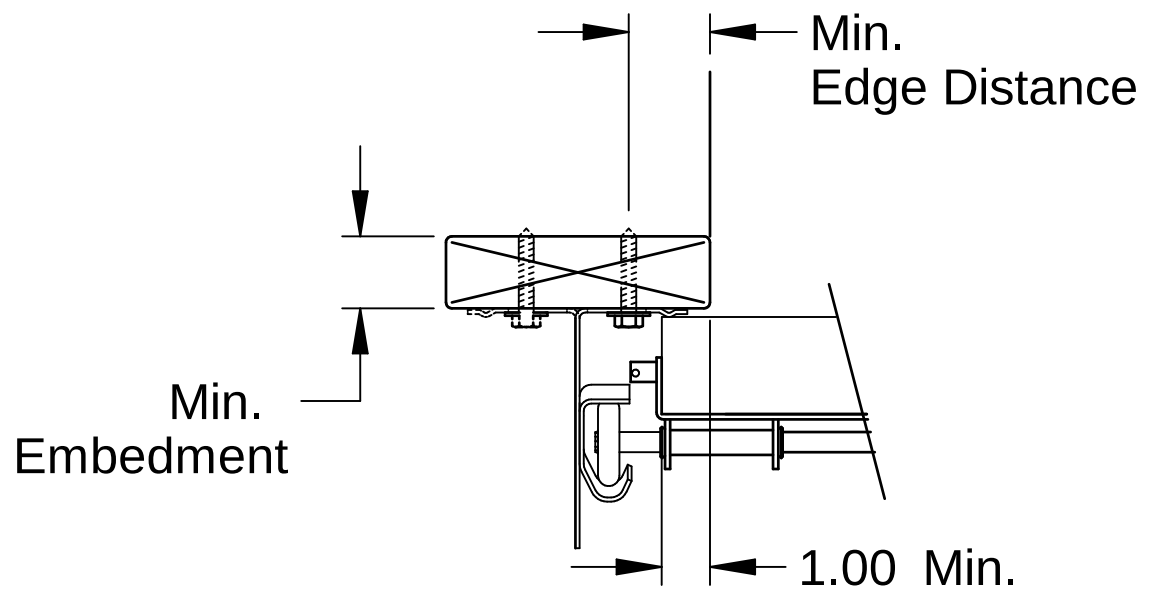
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Checked by: R. Frey			
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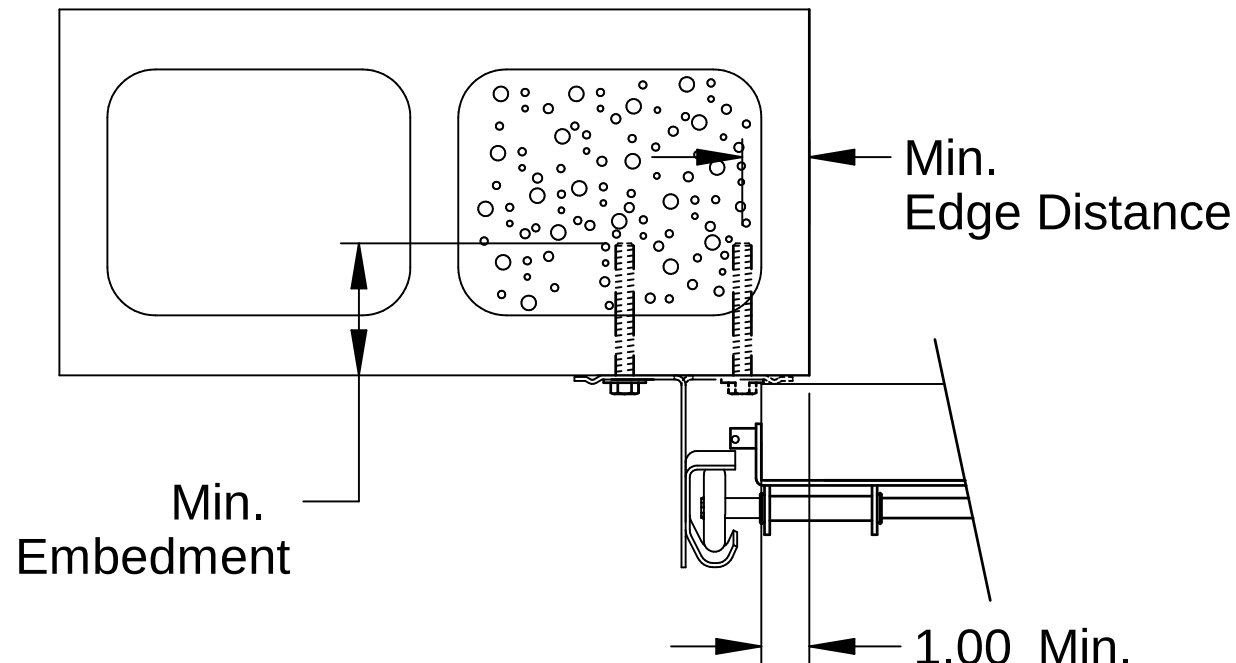
Track Assembly Attachment
to 2500 PSI Min. Concrete
2" Angle mount turned-out standard (solid)
Angle turned-in optional (dashed)
3" Angle mount available



Track Assembly Attachment
to 3/16" Min. Steel Jamb
2" Angle mount turned-in standard (solid)
Angle turned-out optional (dashed)
3" Angle mount available

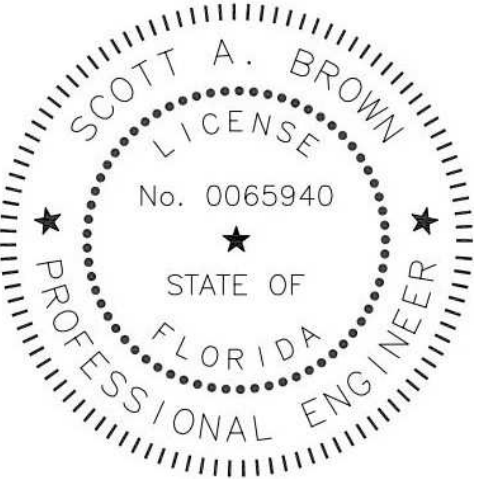


Track Assembly Attachment
to Wood Jamb
2" Angle mount turned-in standard (solid)
Angle turned-out optional (dashed)
3" Angle mount available



Track Assembly Attachment
to Grout Filled CMU Block
2" Angle mount turned-out standard (solid)
Angle turned-in optional (dashed)
3" Angle mount available

Angle Mount					
Jamb Type	Fastener Type	Minimum Embedment (in.)	Minimum Edge Distance (in.)	Maximum on Center Spacing (in.)	Allowable Tension Load (lbs.)
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	36"	893
	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	36"	687
Steel	5/16" x 1" SAE J78, Min. AISI 1022 with 5/16" Washer	3/16"	1-1/2"	36"	971
Wood	5/16" x 1-3/4" Lag with 5/16" Washer	1-1/2"	1-1/2"	18"	352
Grout Filled CMU Block	3/8" Simpson Titen HD	2-3/4"	4"	18"	480



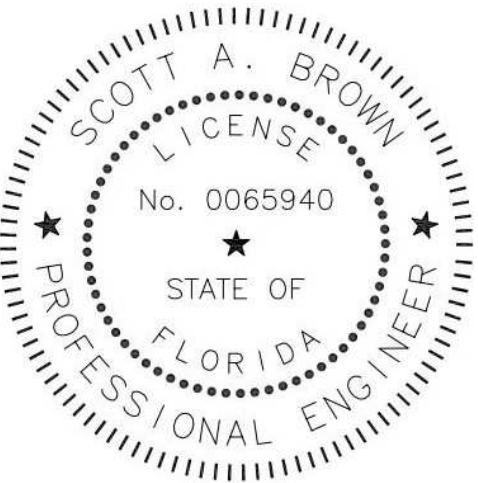
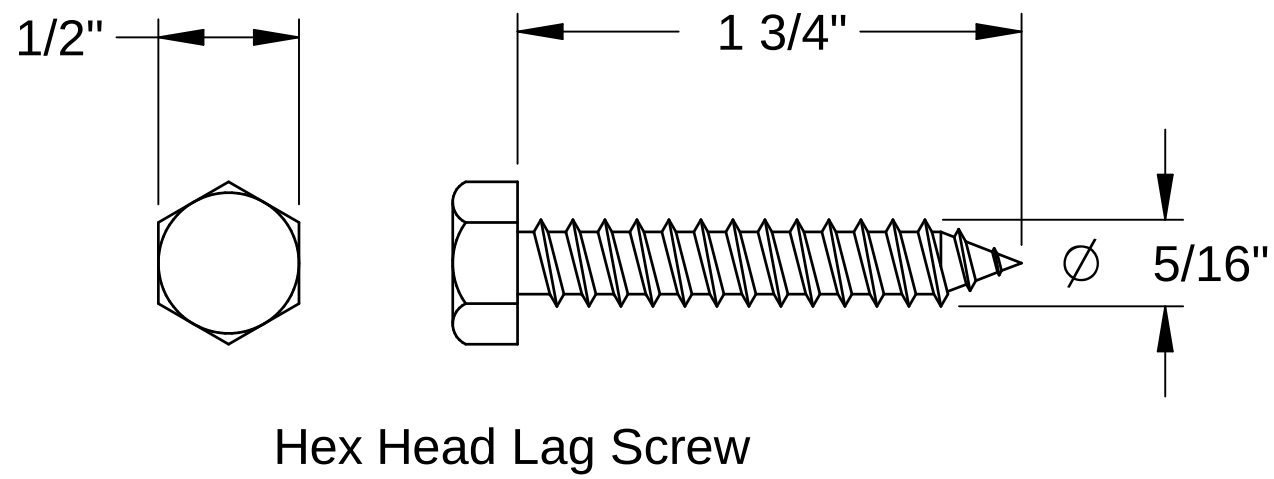
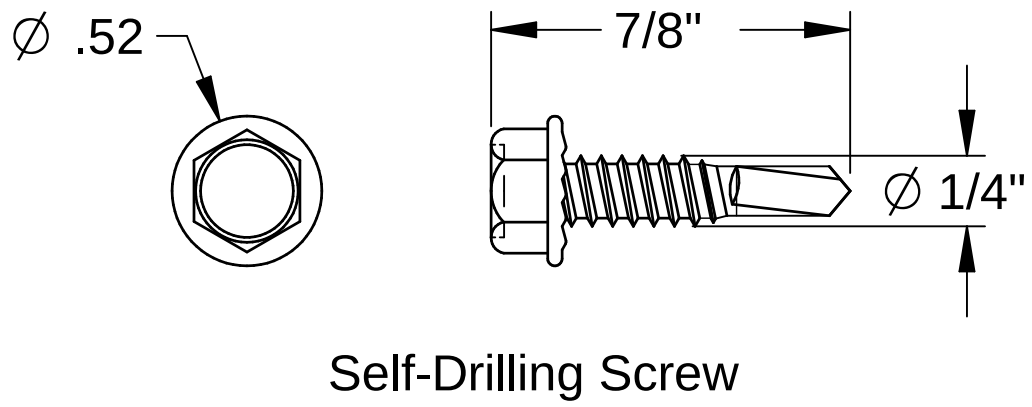
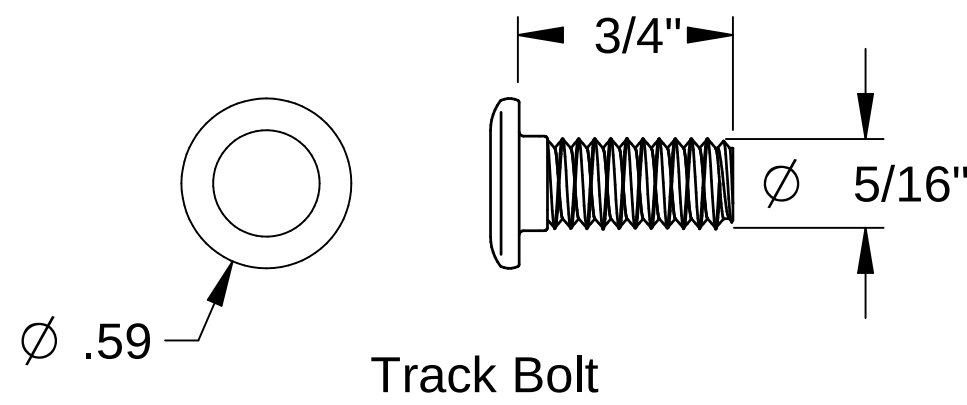
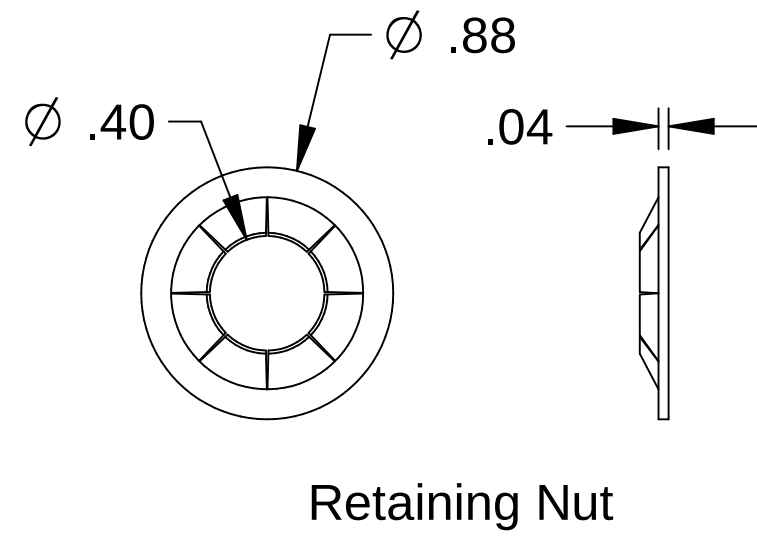
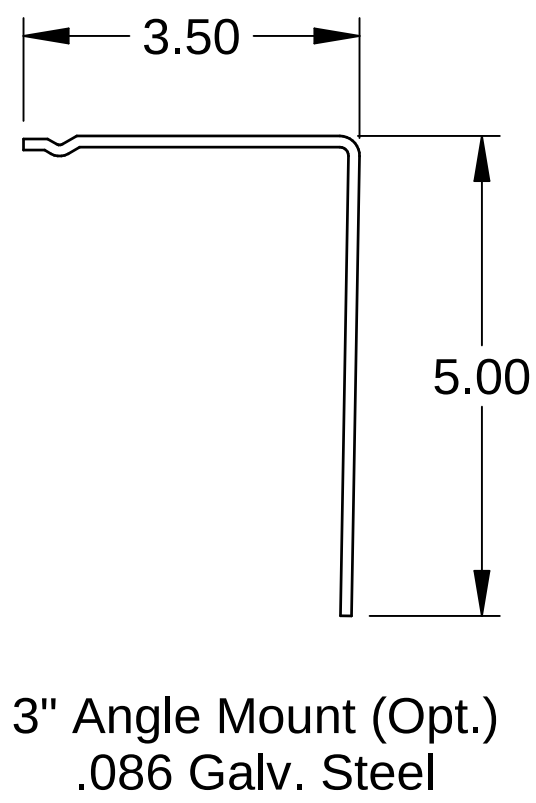
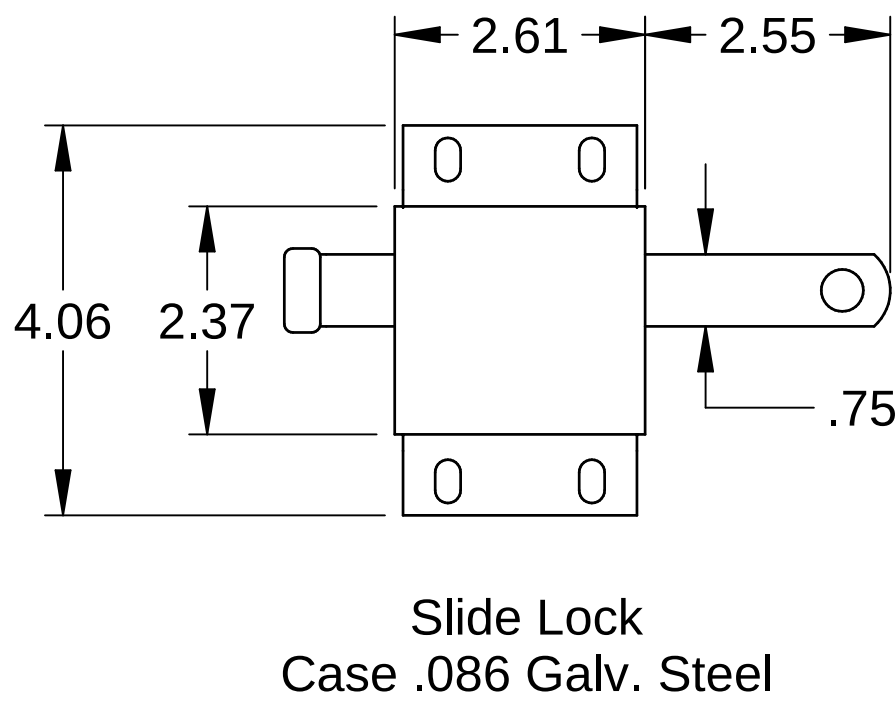
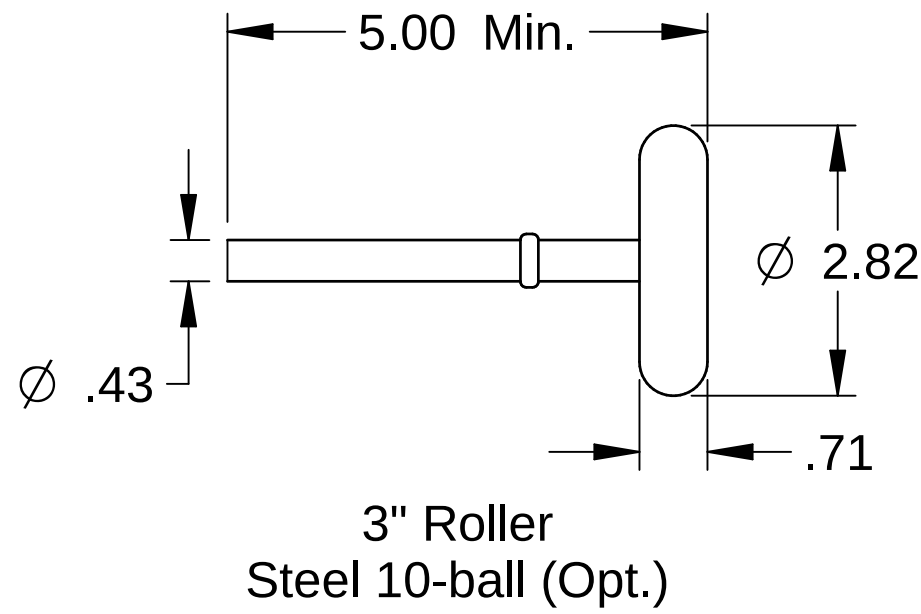
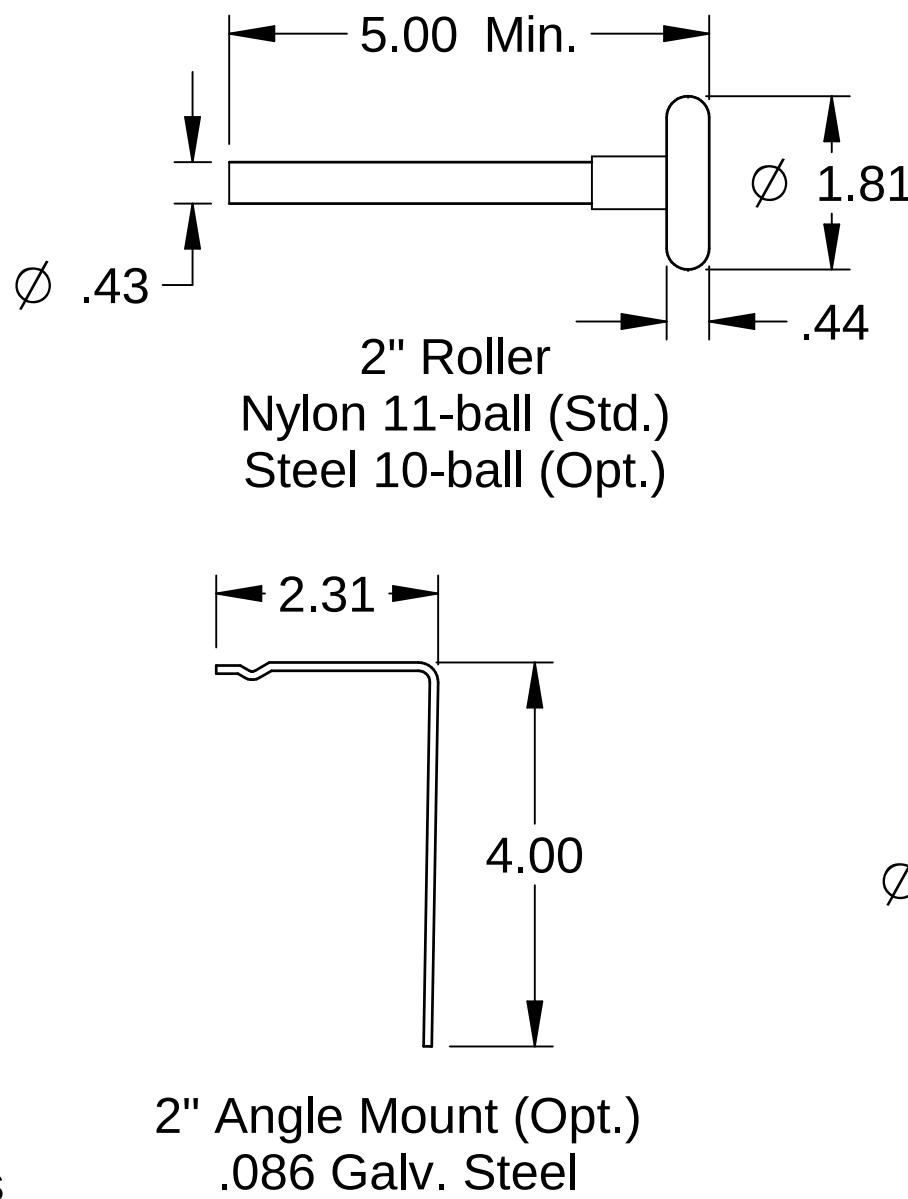
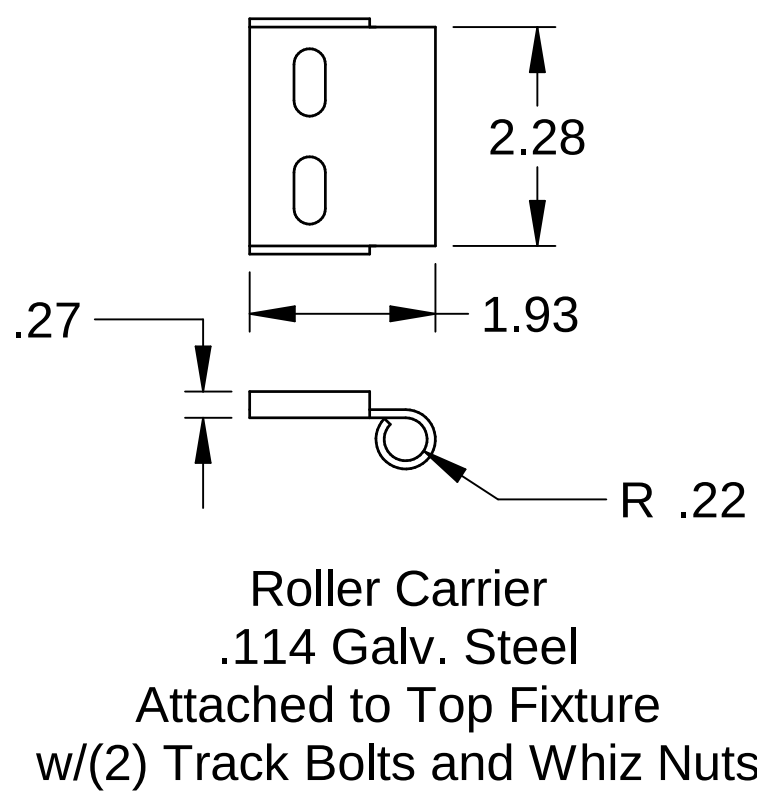
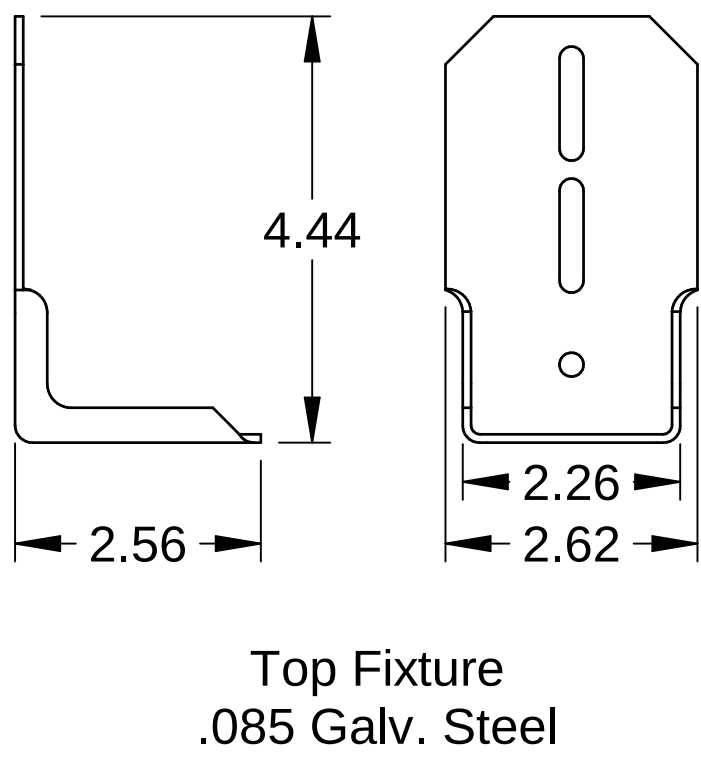
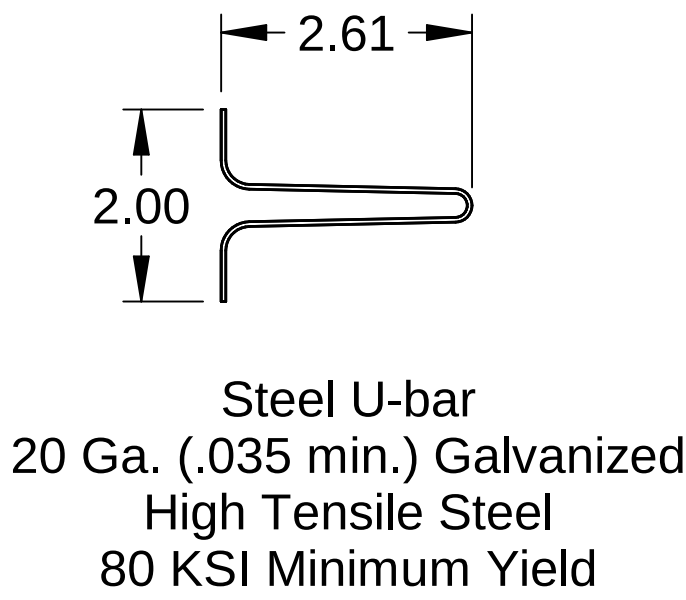
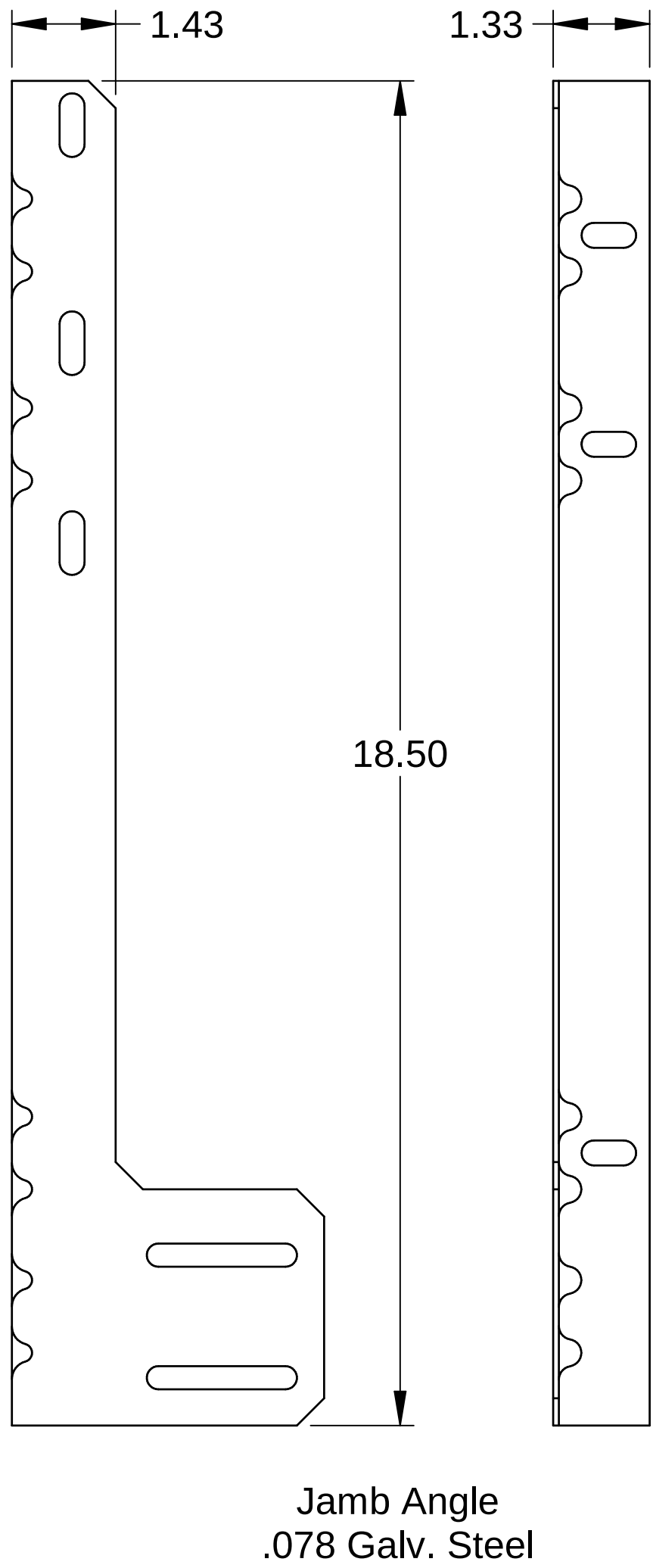
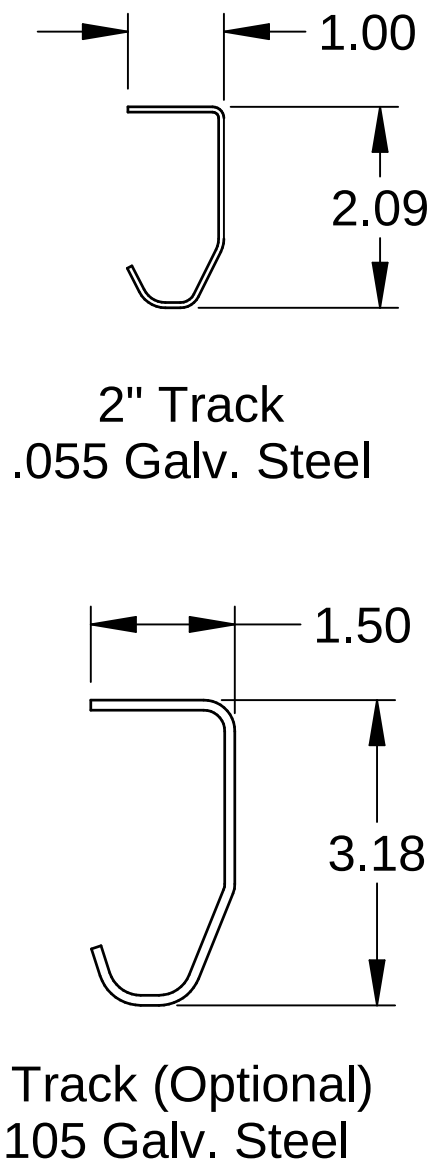
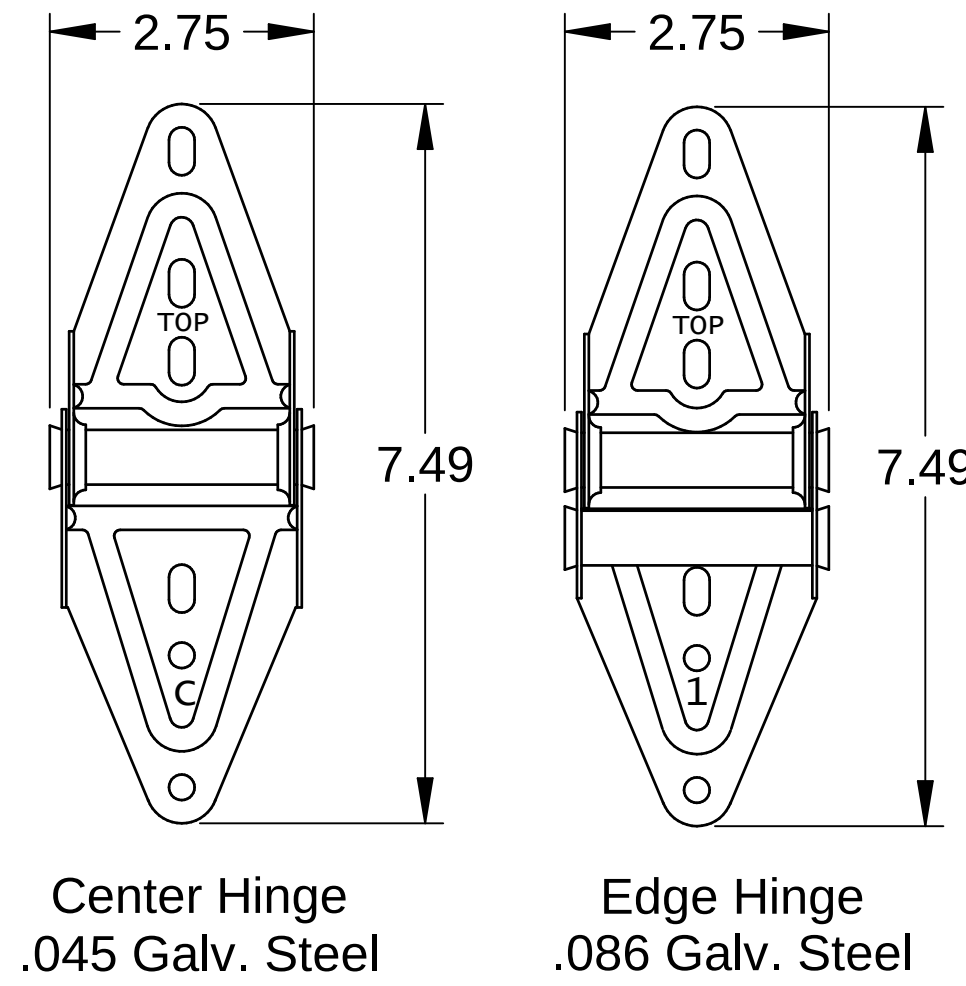
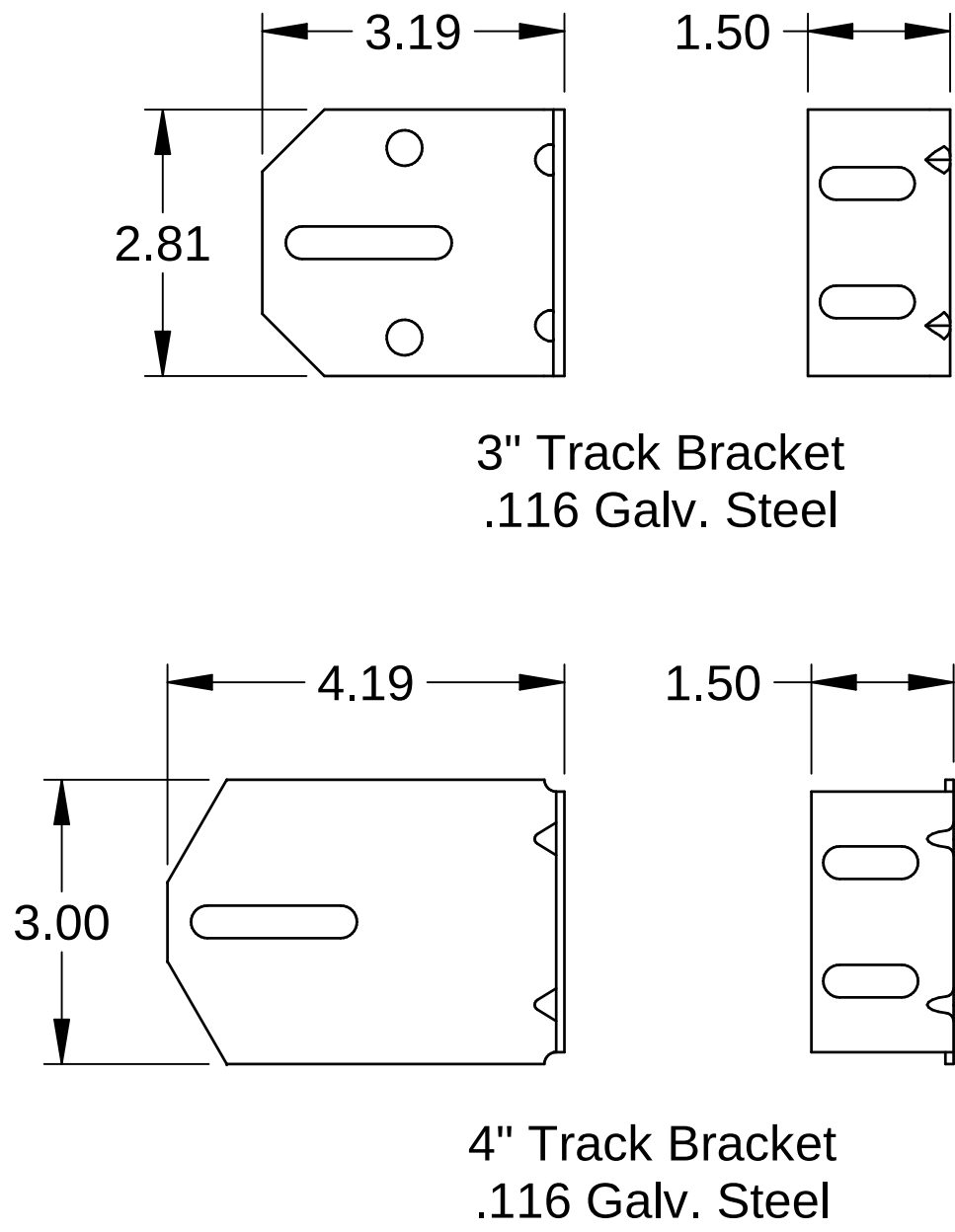
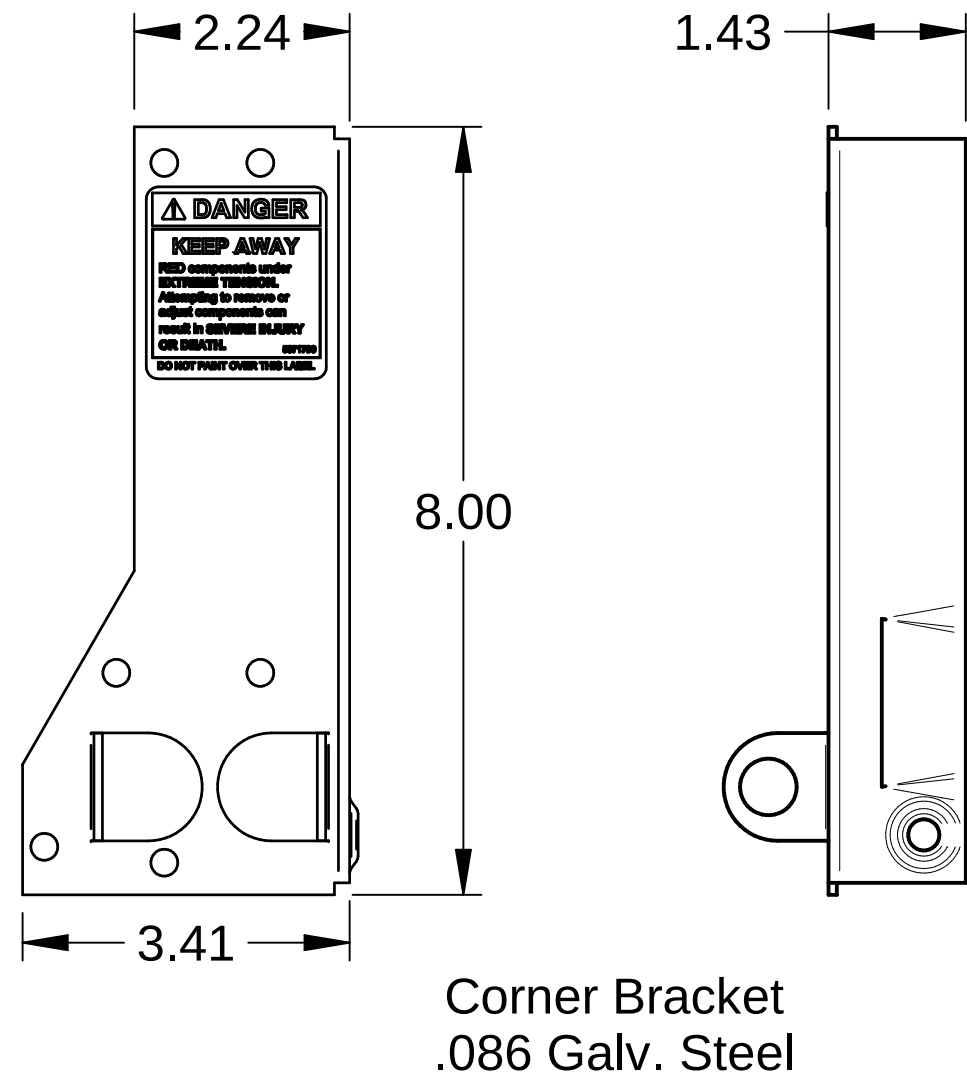
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Checked by: R. Frey			
Date: 07/14/21			
ECO: 8399.01			Rev B



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