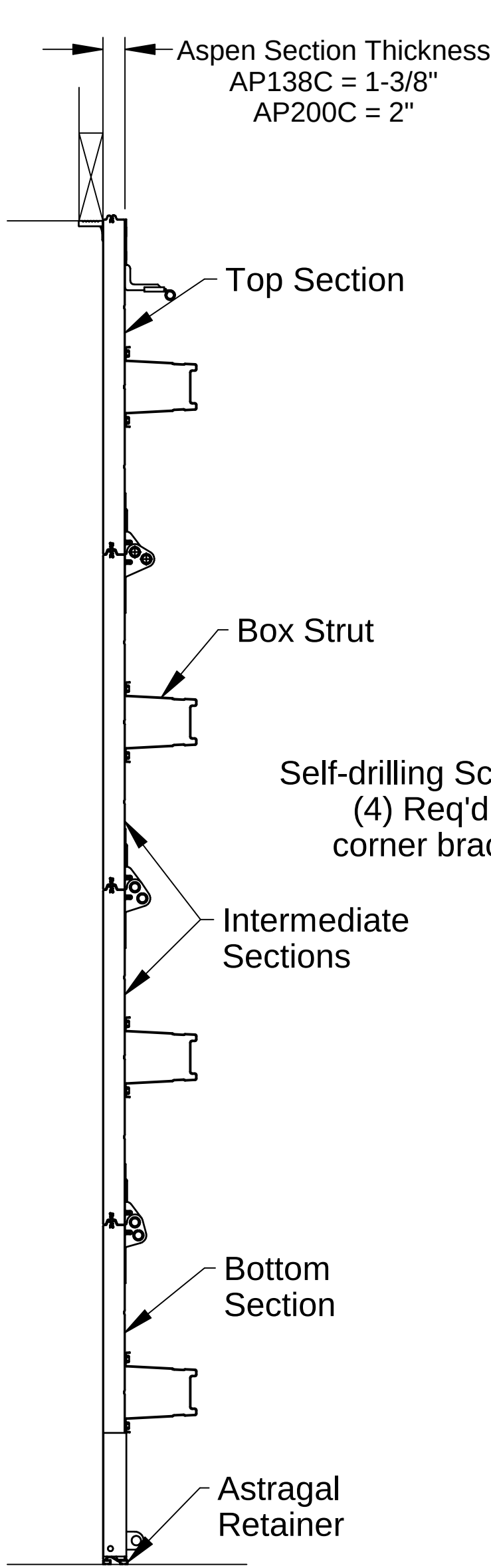
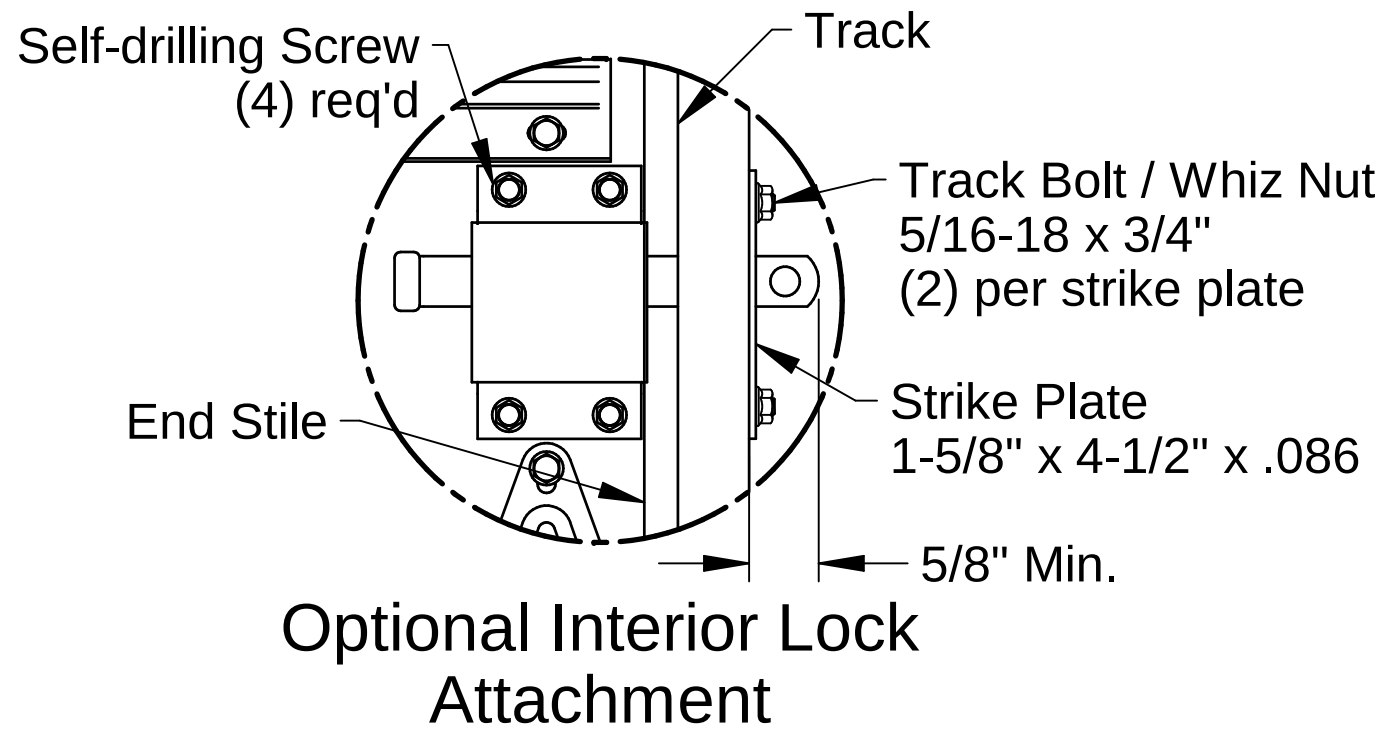
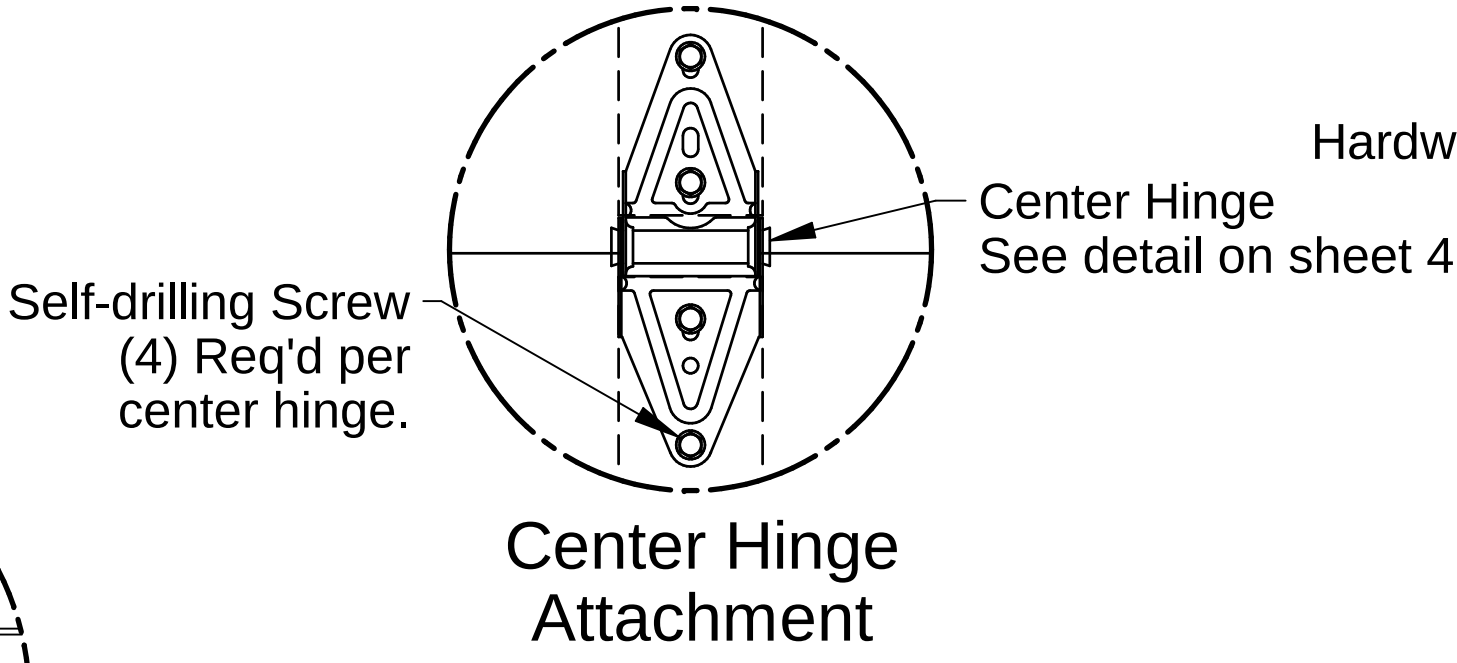
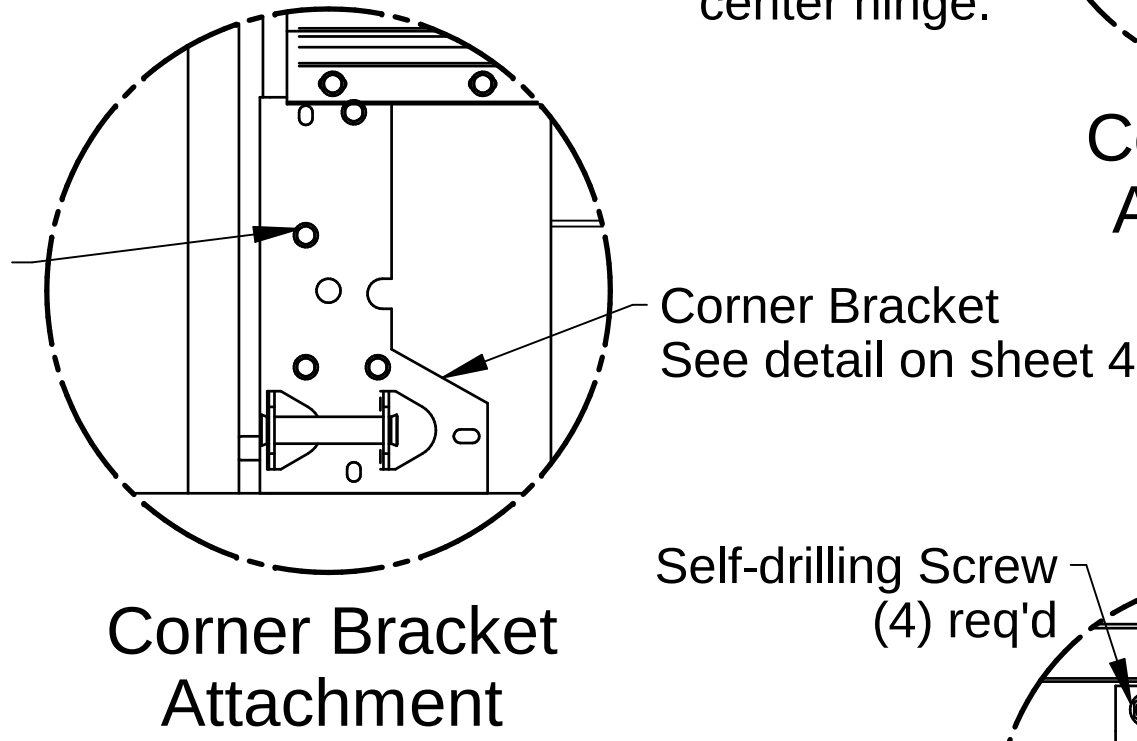
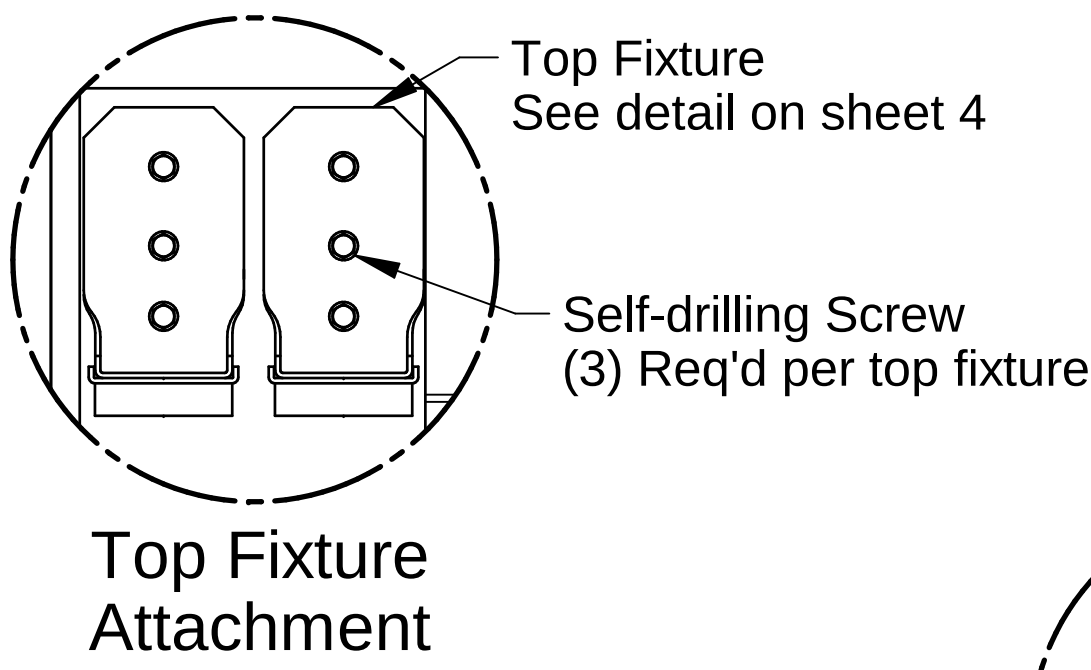




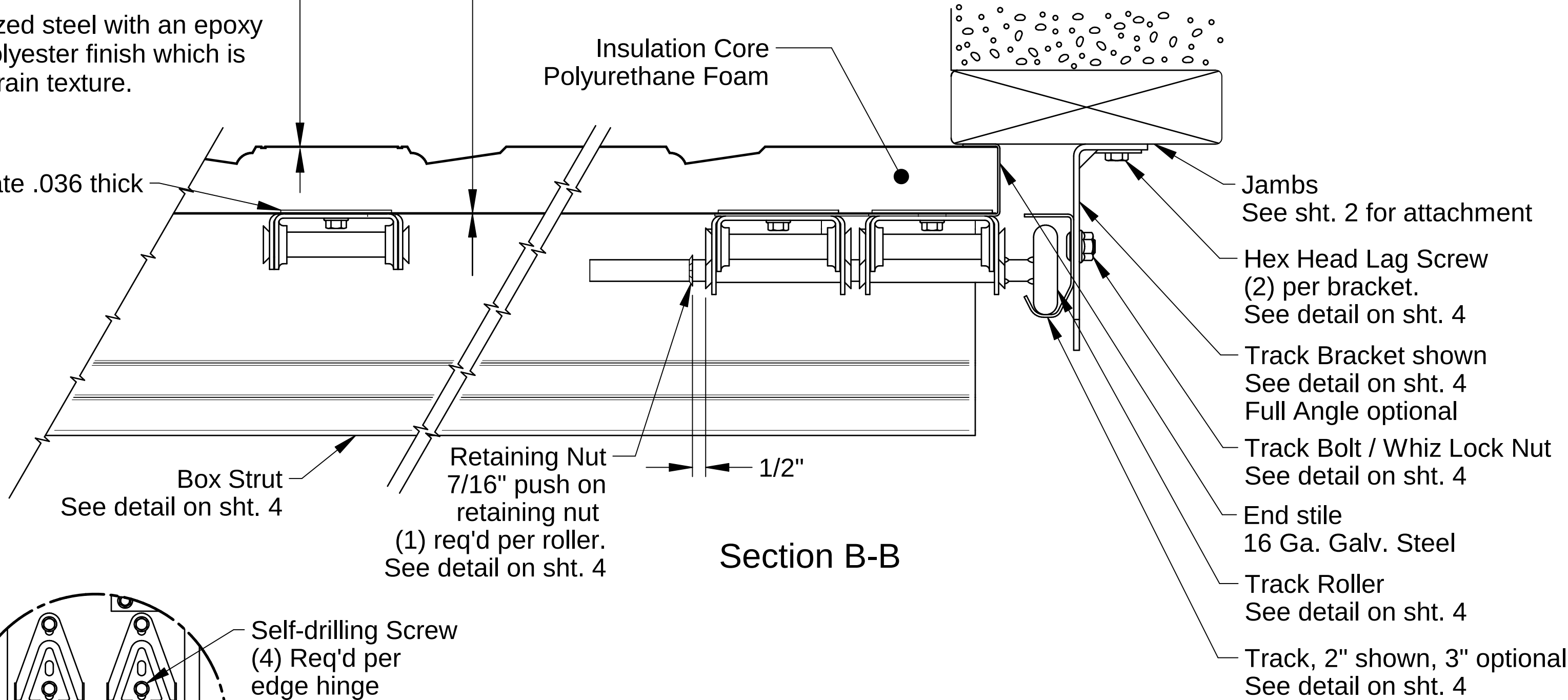
Section A-A



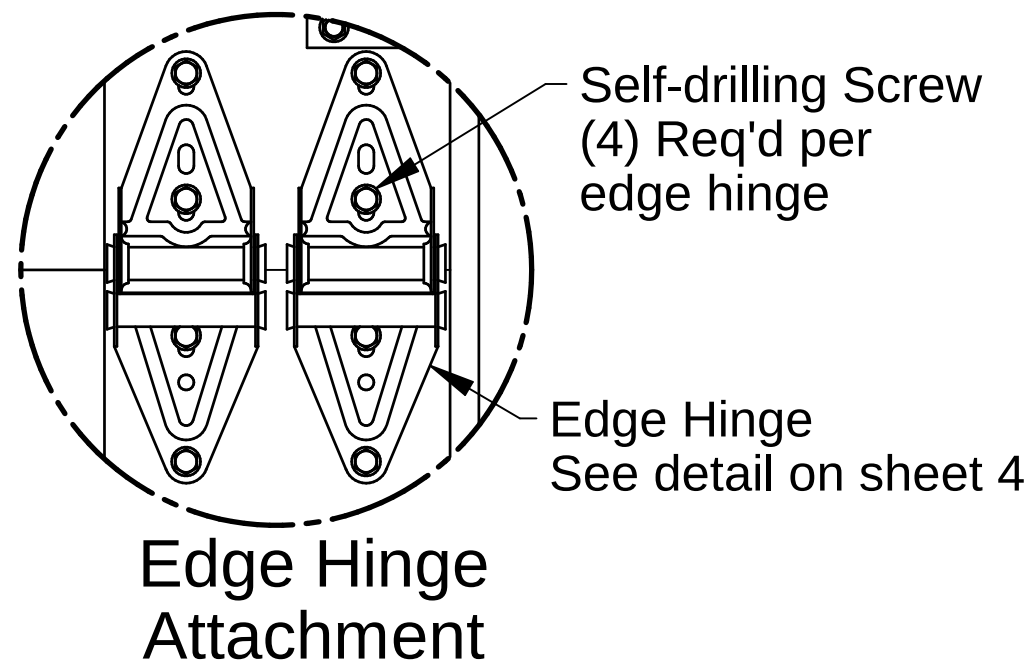
Interior Skin
.013 thick G-40 galvanized steel with an epoxy primer and baked on polyester finish which is roll-formed with wood grain texture.

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.

Hardware Plate .036 thick



Section B-B



Spring Counterbalance
Spring wire individually calculated to counterbalance door. Quantity and size of spring will vary based on door size.

Doors tested per ANSI/DASMA 108
for static air pressure

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			21" Max Section Height		24" Max Section Height			21" Max Section Height		24" Max Section Height	
8'-2"	1	74.5	-82.1	61.9	-69.8	1	74.5	-82.1	61.9	-69.8	1	74.5	-82.1	61.9	-69.8
9'-2"	1	66.3	-73.0	55.0	-62.0	1	66.3	-73.0	55.0	-62.0	1	66.3	-73.0	55.0	-62.0
10'-2"	2	59.2	-72.0	49.8	-56.3	1	59.2	-72.0	44.6	-50.2	1	59.2	-72.0	44.6	-50.2
12'-2"	2	49.3	-60.0	41.5	-46.9	2	49.3	-60.0	41.5	-46.9	2	49.3	-60.0	35.2	-39.2
14'-2"	4	42.2	-51.4	30.5	-34.5	2	42.2	-51.4	30.5	-34.5	2	42.2	-51.4	30.2	-33.6
16'-2"	3	37.0	-45.0	29.3	-32.6	3	37.0	-45.0	29.3	-32.6	3	37.0	-45.0	29.3	-32.6
18'-2"	3	37.1	-40.7	23.2	-25.8	3	37.1	-40.7	23.2	-25.8	3	37.1	-40.7	23.2	-25.8
20'-2"	5	33.4	-36.7	20.4	-22.7	4	33.4	-36.7	20.4	-22.7	3	33.4	-36.7	17.7	-19.7

AP200C / MAP200C															
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	21" Max Section Height	24" Max Section Height		21" Max Section Height	24" Max Section Height							
8'-2"	1	82.5	-90.0	61.9	-69.8	1	82.5	-90.0	61.9	-69.8	1	82.5	-90.0	61.9	-69.8
9'-2"	1	73.3	-80.0	55.0	-62.0	1	73.3	-80.0	55.0	-62.0	1	73.3	-80.0	55.0	-62.0
10'-2"	2	72.0	-83.2	49.8	-56.3	1	72.0	-83.2	44.6	-50.2	1	72.0	-83.2	44.6	-50.2
12'-2"	2	60.0	-69.3	41.5	-46.9	2	60.0	-69.3	41.5	-46.9	2	60.0	-69.3	35.2	-39.2
14'-2"	4	51.4	-59.4	30.5	-34.5	2	51.4	-59.4	30.5	-34.5	2	51.4	-59.4	30.2	-33.6
16'-2"	3	45.0	-52.0	29.3	-32.6	3	45.0	-52.0	29.3	-32.6	3	45.0	-52.0	29.3	-32.6
18'-2"	3	37.1	-40.7	23.2	-25.8	3	37.1	-40.7	23.2	-25.8	3	37.1	-40.7	23.2	-25.8
20'-2"	5	33.4	-36.7	20.4	-22.7	4	33.4	-36.7	20.4	-22.7	3	33.4	-36.7	17.7	-19.7

Door Height

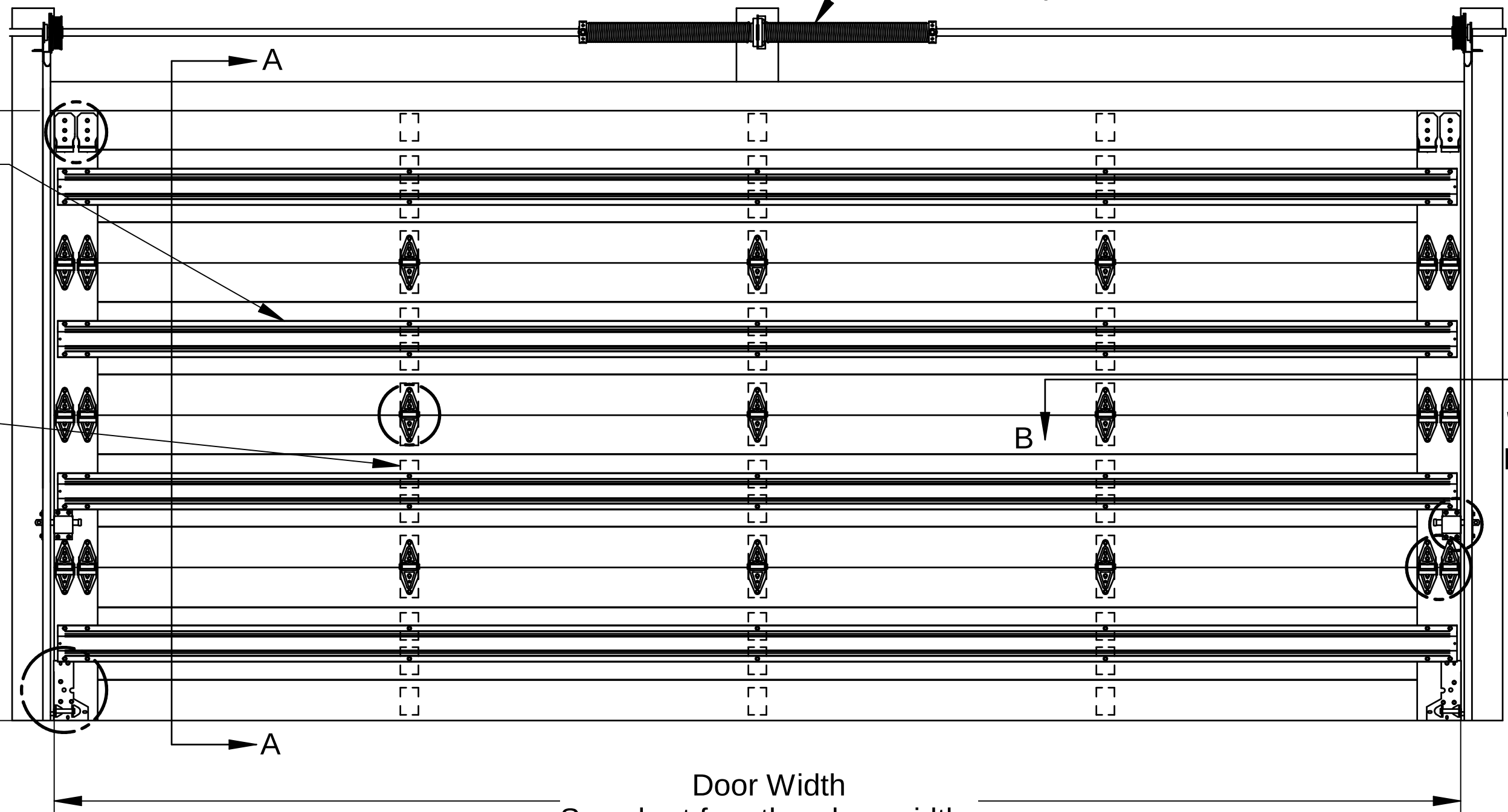
7'-0" High shown
Other door heights available up to 18'-0" using 18", 21" or 24" high sections

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

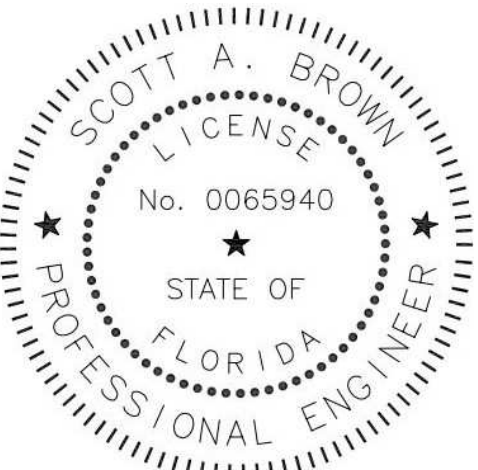
Embedded Hardware Plates

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'-2" Ranch shown)
Interior Elevation



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809 E. 2nd Street, Dixon, IL 61021
FBPE CA Lic. No. 35415
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Date: 2023.12.20 15:00:00-06'00'

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Scale: None		Title: Spec, Wind Load Commercial Aspen	
Drawn by: J. Lahman		Checked by: R. Frey	
Date: 07/19/21		ECO: 8399.01	
Rev.	Description	ECO	Date
B	Added MAP200C, updated P.E. information	8997.01	12/08/23
A	Preliminary release.	8399.01	07/19/21
No. P-2442		Sheet 1 of 4	Rev B



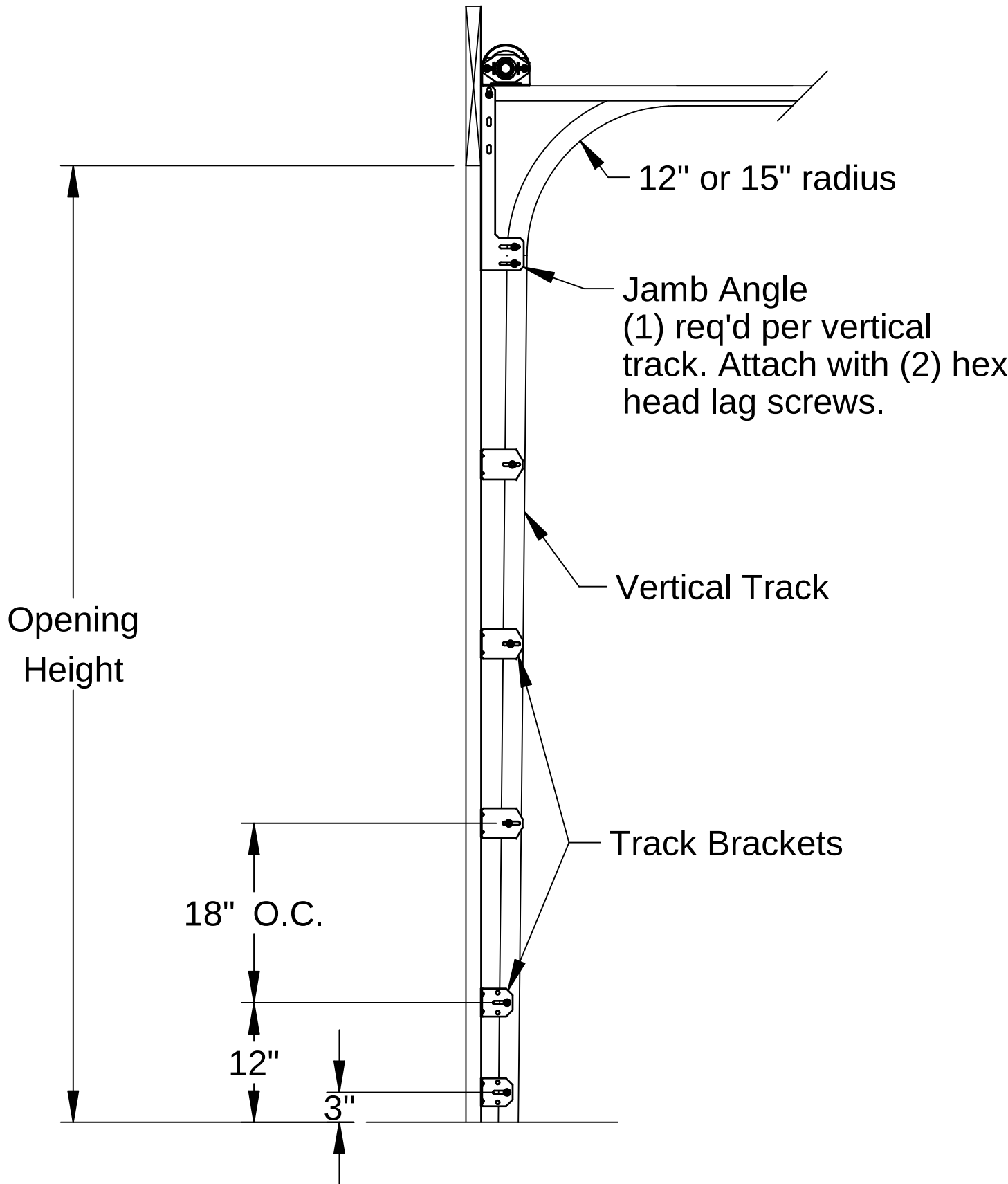
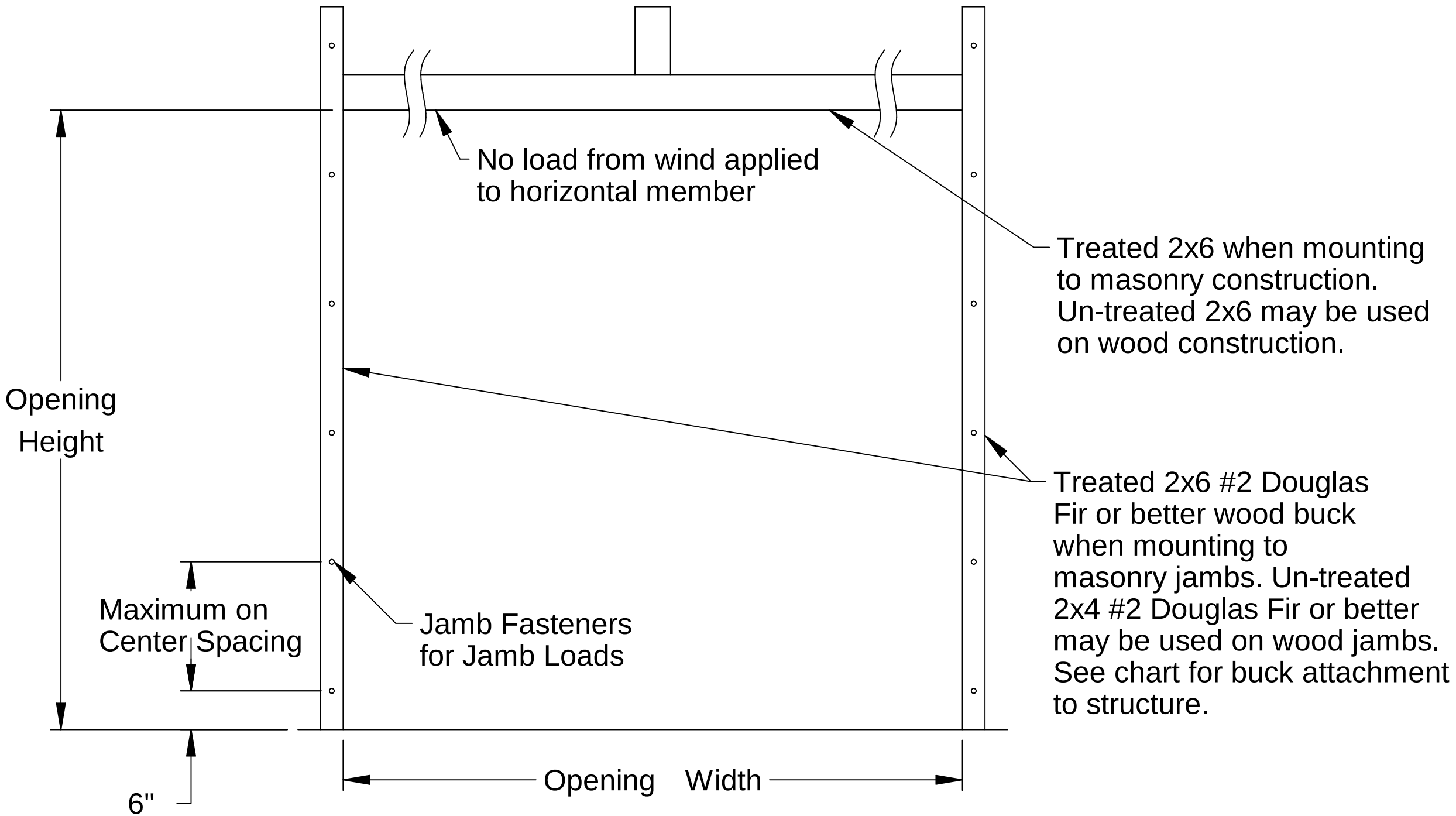
1101 East River Road
Dixon, IL. 61021

FL#21471

Jamb Attachment Notes:

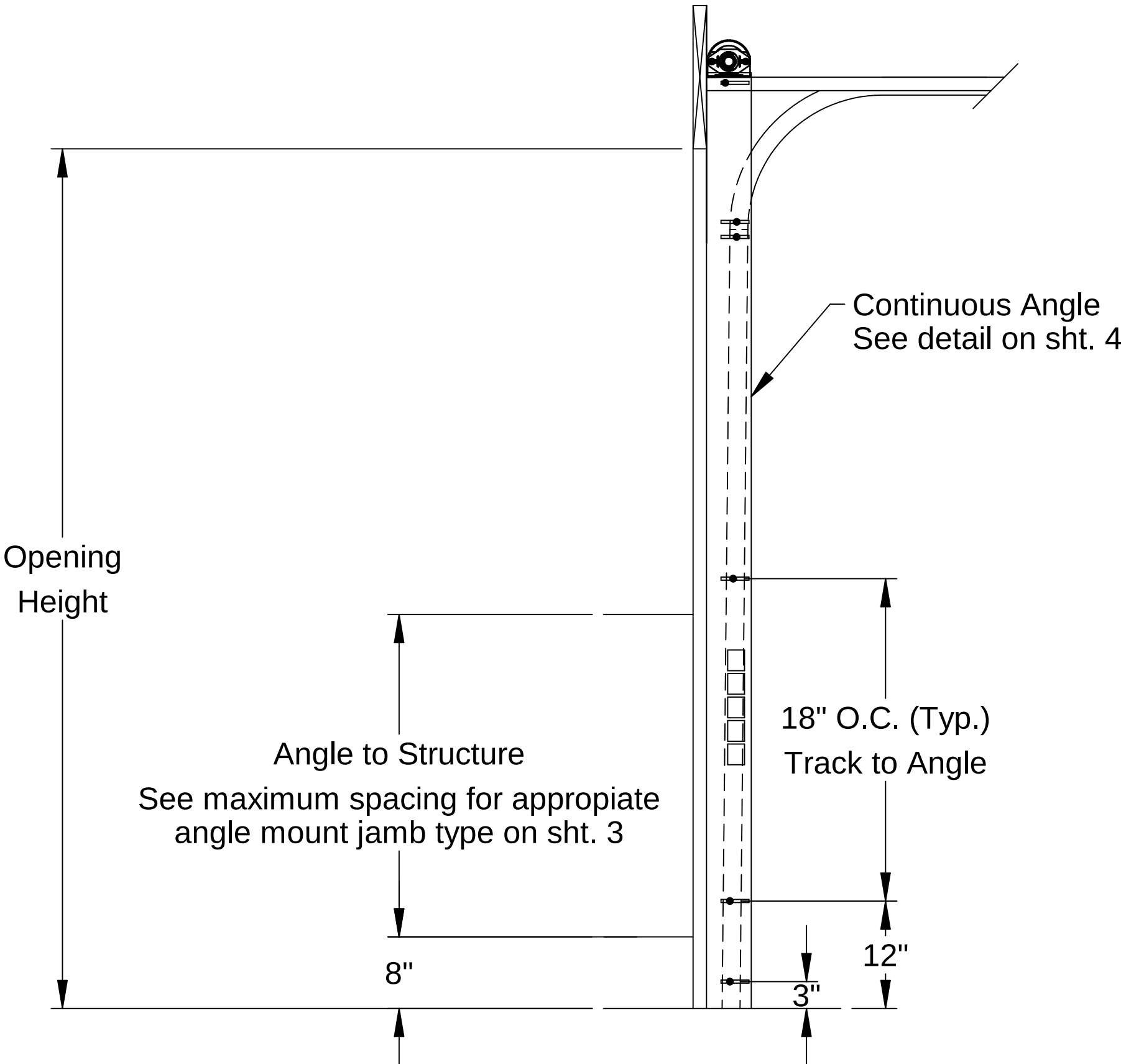
- 1. Maximum Positive Load per Jamb = (16'-0" x 45.0 PSF) / 2 = 360 lbs. per foot.
- 2. Maximum Negative Load per Jamb = (16'-0" x -52.0 PSF) / 2 = 416 lbs. per foot.
- 3. Design of the supporting structure shall be the sole responsibility of the building designer and shall be designed for the jamb loads 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"	17"	526
Southern Pine	3/8" x 3" Lag with 1-1/8" OD Washer	1.50"	1.50"	1.50"	21"	655
Spruce Pine Fir	3/8" x 3" LAG with 1-1/8" OD Washer	1.50"	1.50"	1.50"	16"	482



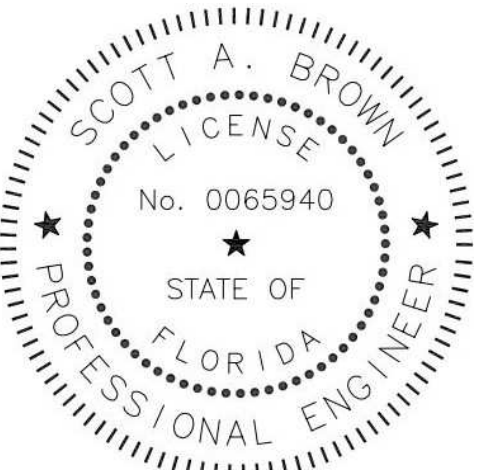
Typical Track Installation
Bracket Mount
Wood Jambs

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.



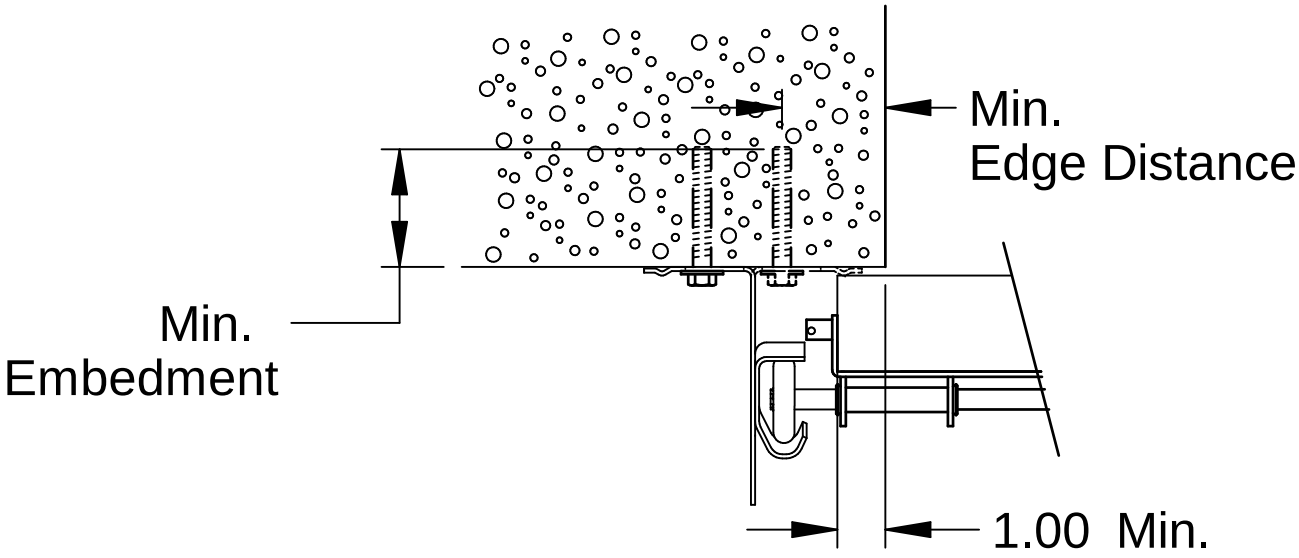
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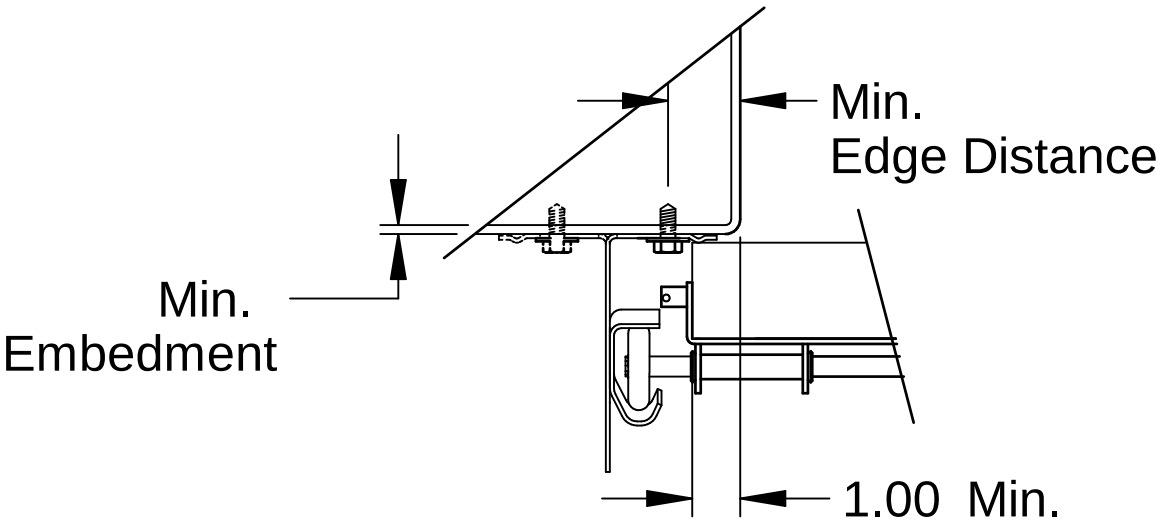
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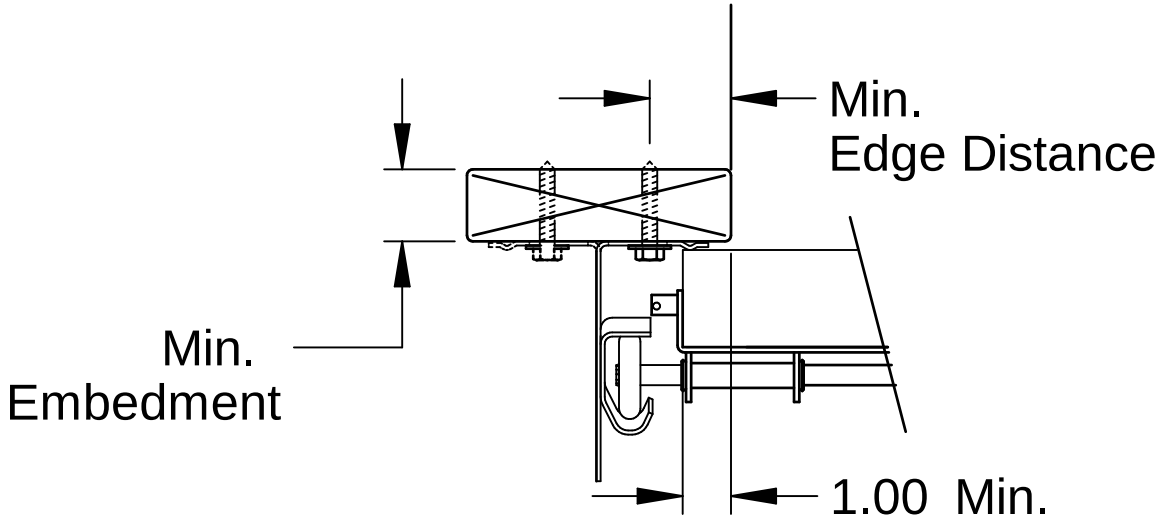
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Drawn by: J. Lahman		No. P-2442	Sheet 2
Checked by: R. Frey			
Date: 07/19/21			
ECO: 8399.01			Rev B



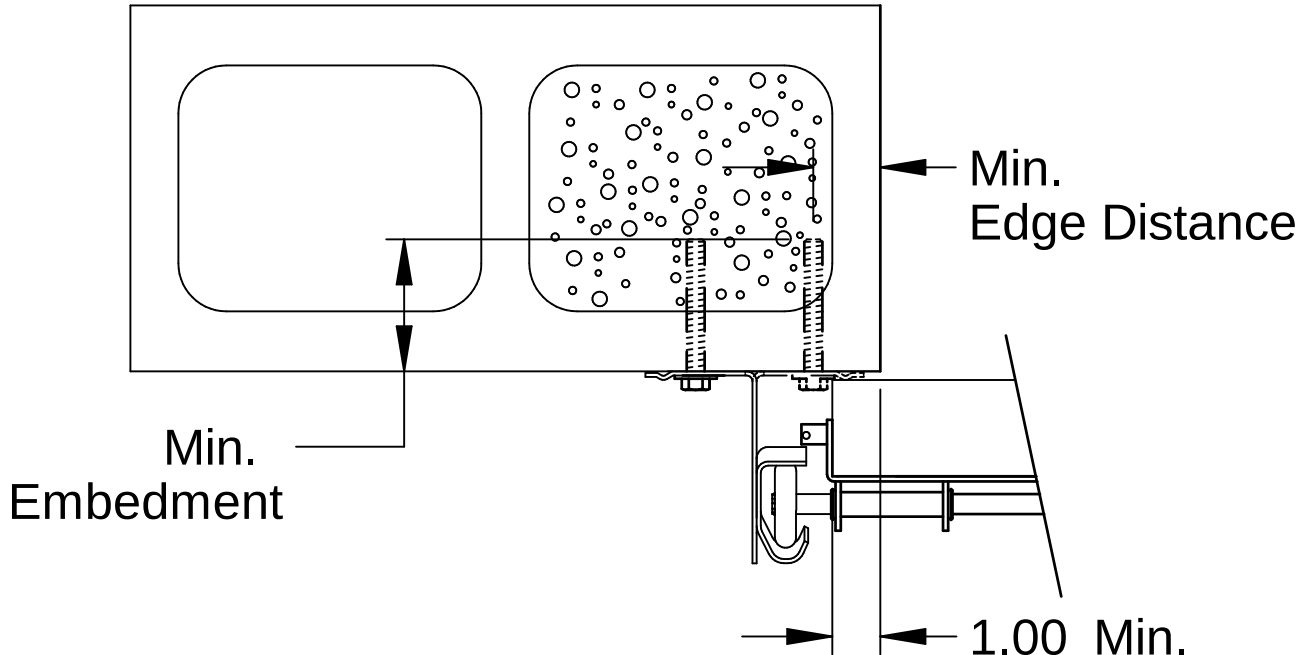
Track Assembly Attachment
to 2500 PSI Min. Concrete
2" Angle mount turned-out standard (solid)
Angle turned-in optional (dashed)
3" Angle mount available



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

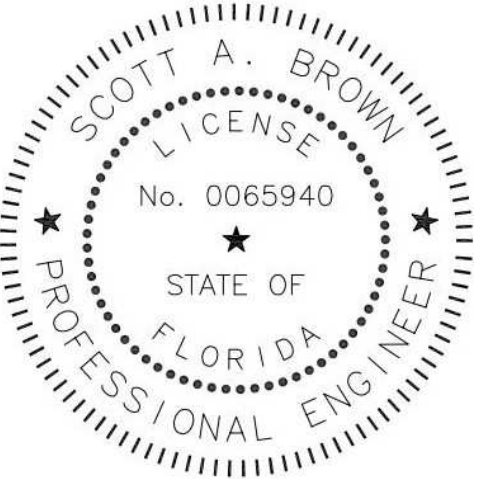


Track Assembly Attachment
to Wood Jamb
2" Angle mount turned-in standard (solid)
Angle turned-out optional (dashed)
3" Angle mount available



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"	18"	893
	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	18"	687
Steel	5/16" x 1" SAE J78, Min. AISI 1022 with 5/16" Washer	3/16"	1-1/2"	18"	971
Wood	3/8" x 1-3/4" Lag with 3/8" Washer	1-1/2"	1-1/2"	12"	482
Grout Filled CMU Block	3/8" Simpson Titen HD	2-3/4"	4"	12"	480



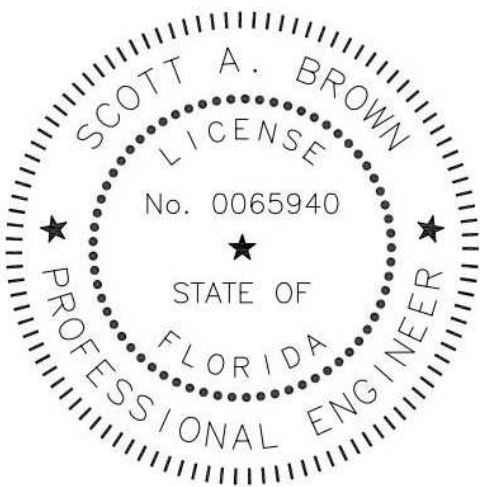
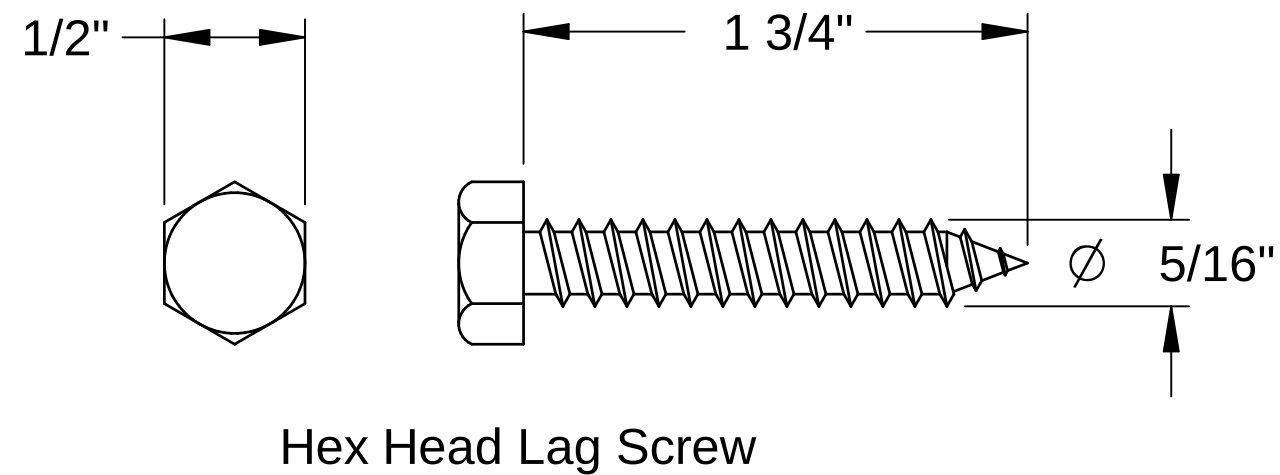
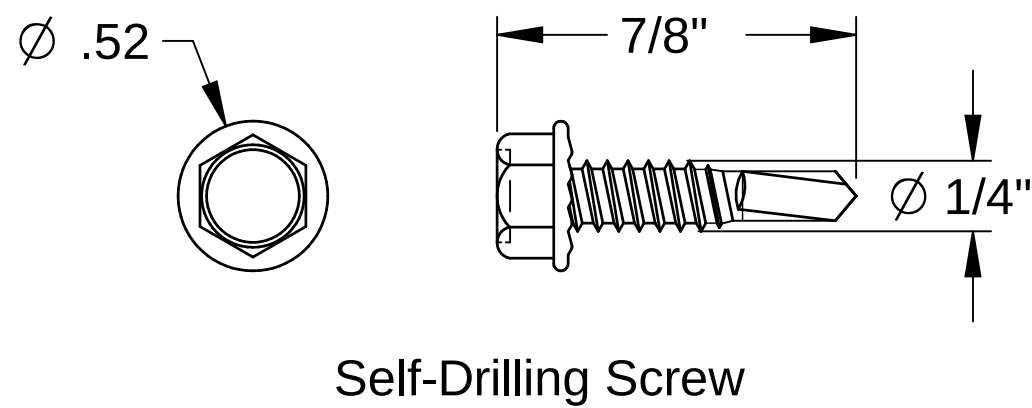
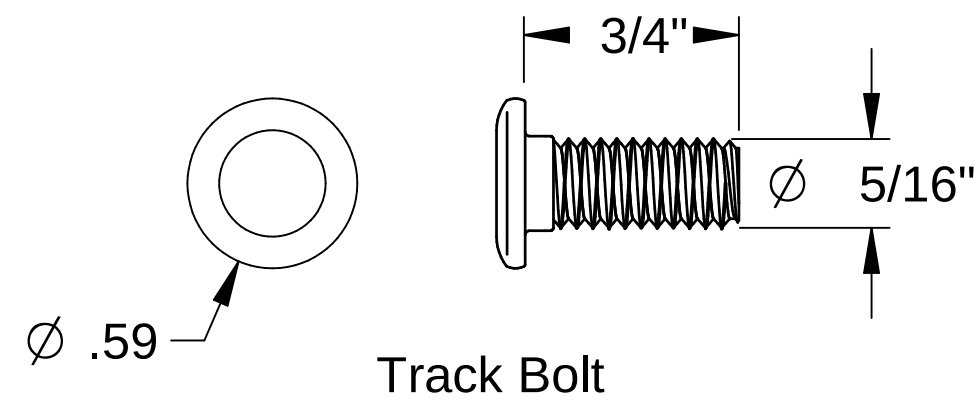
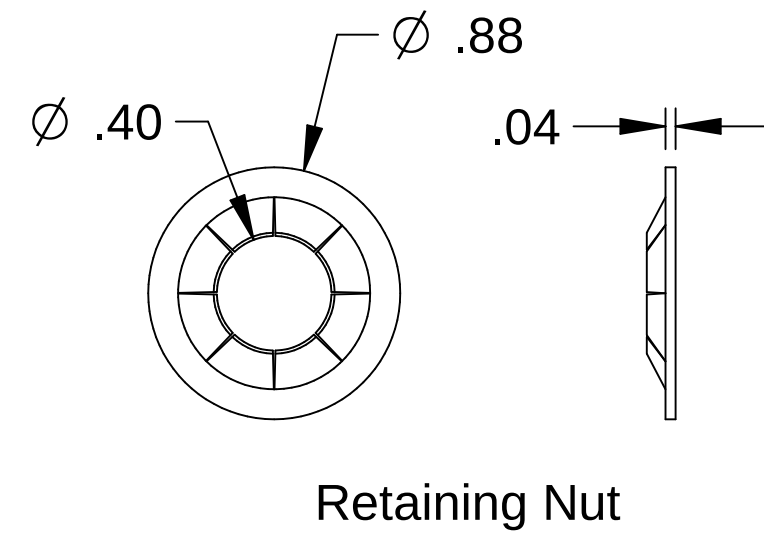
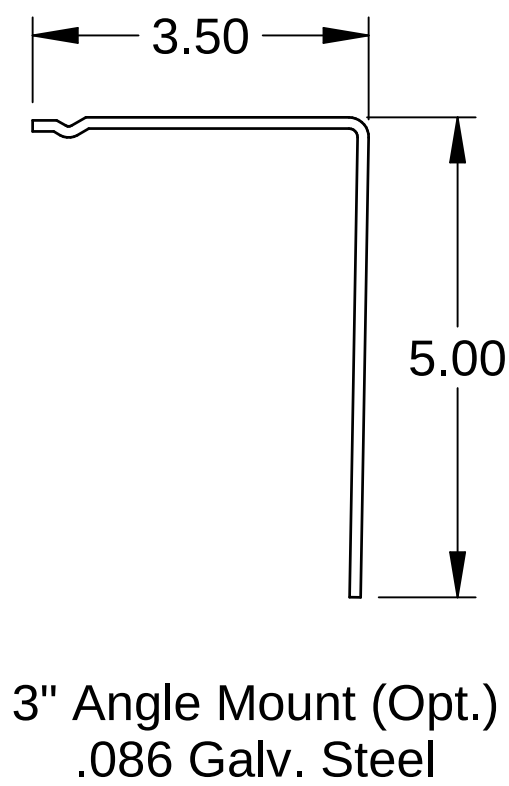
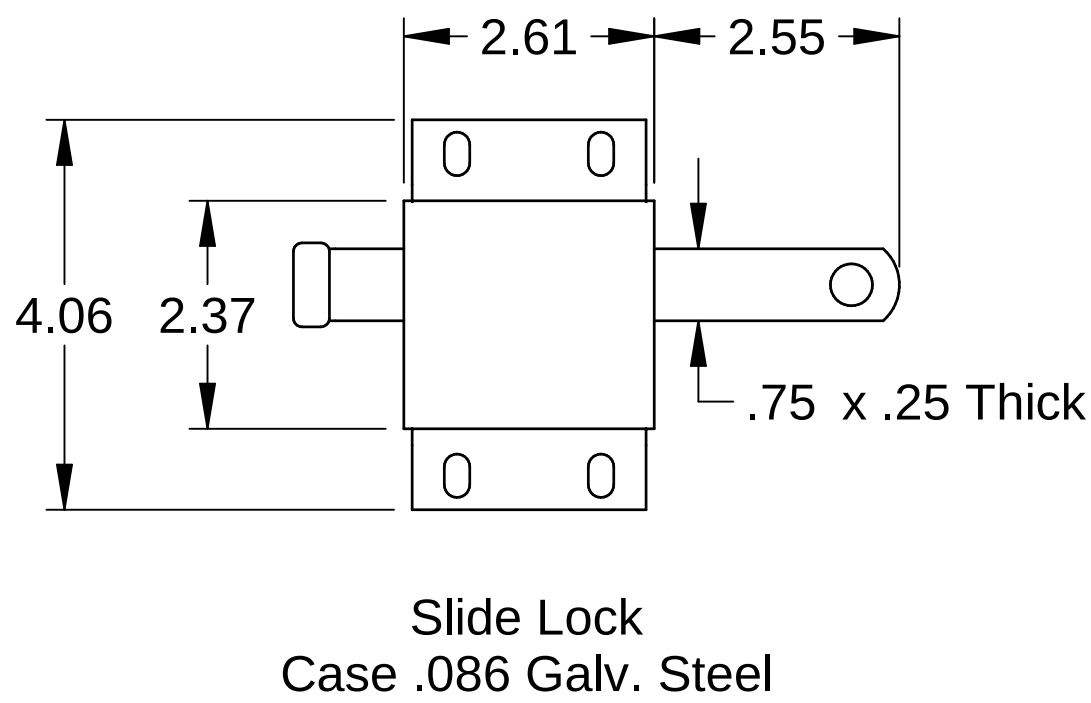
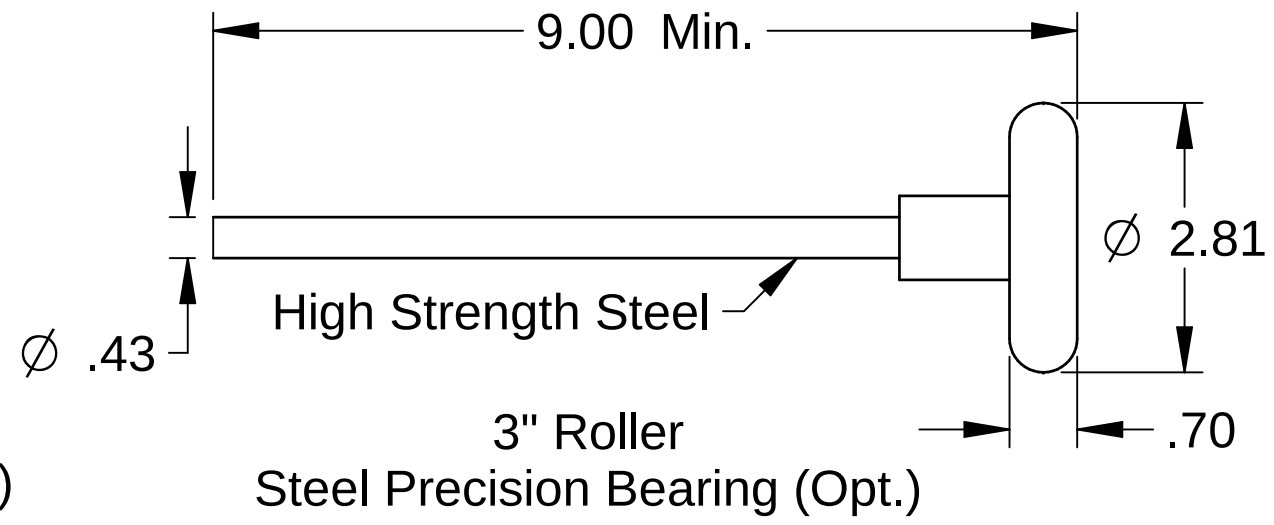
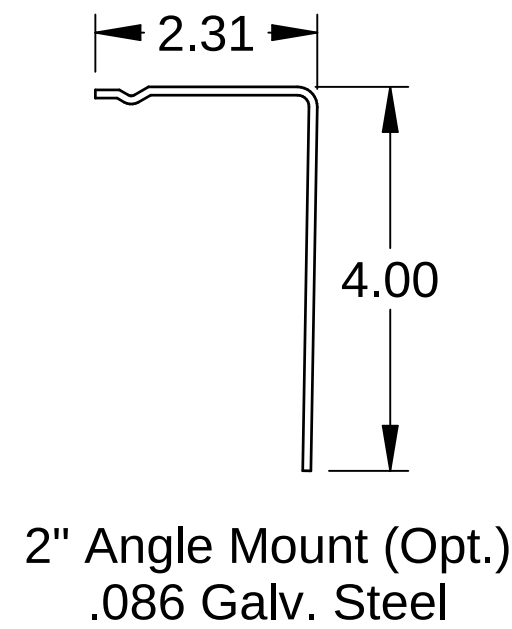
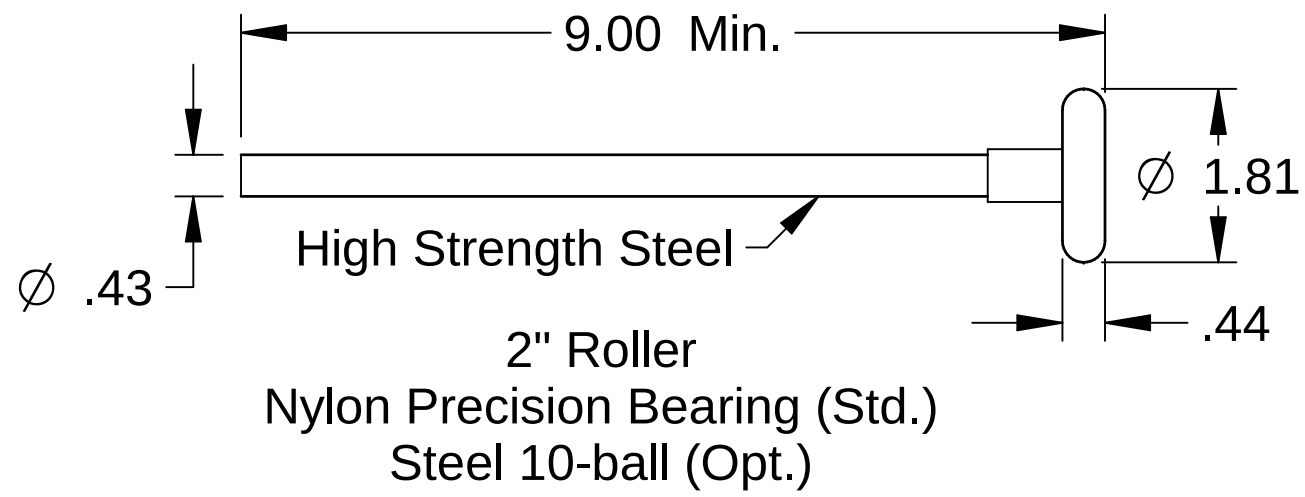
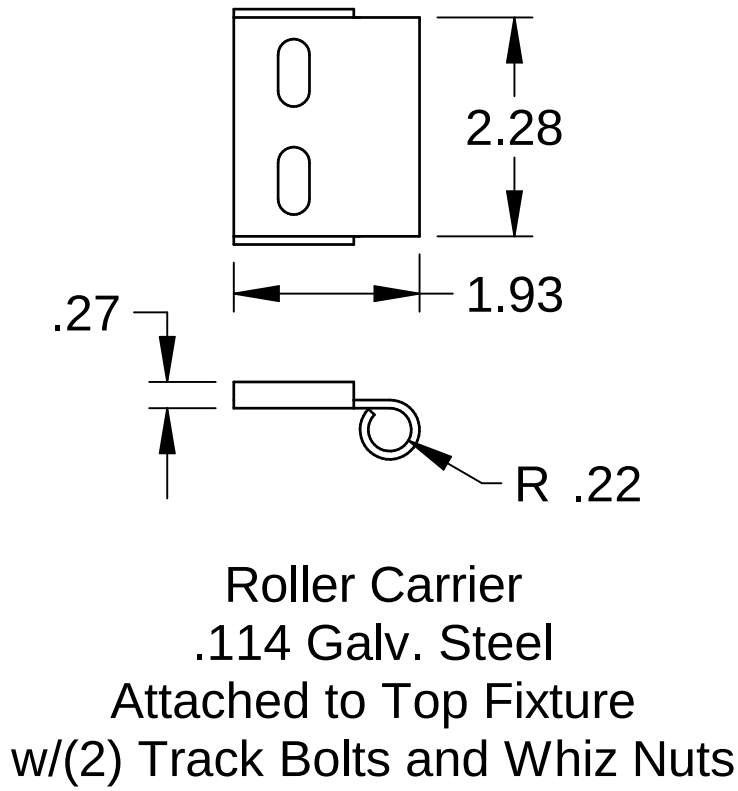
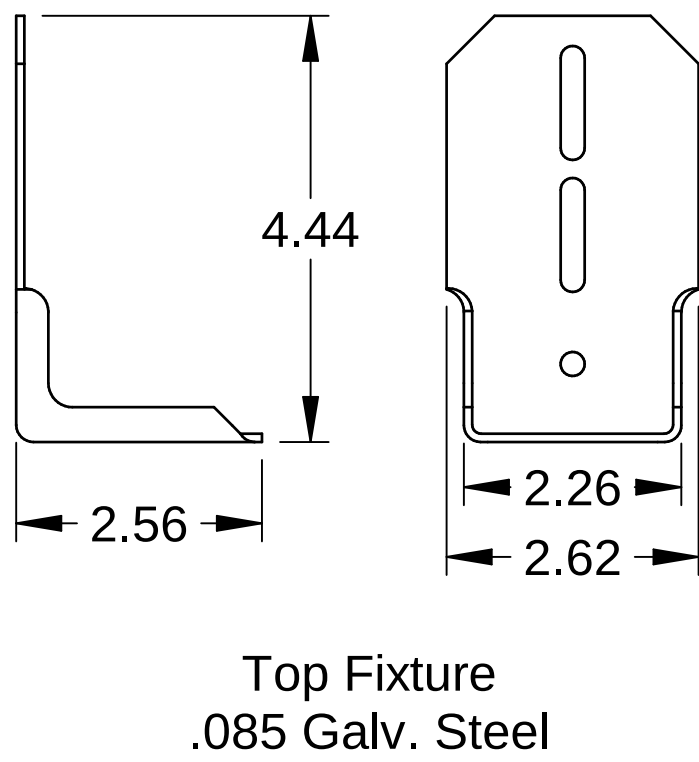
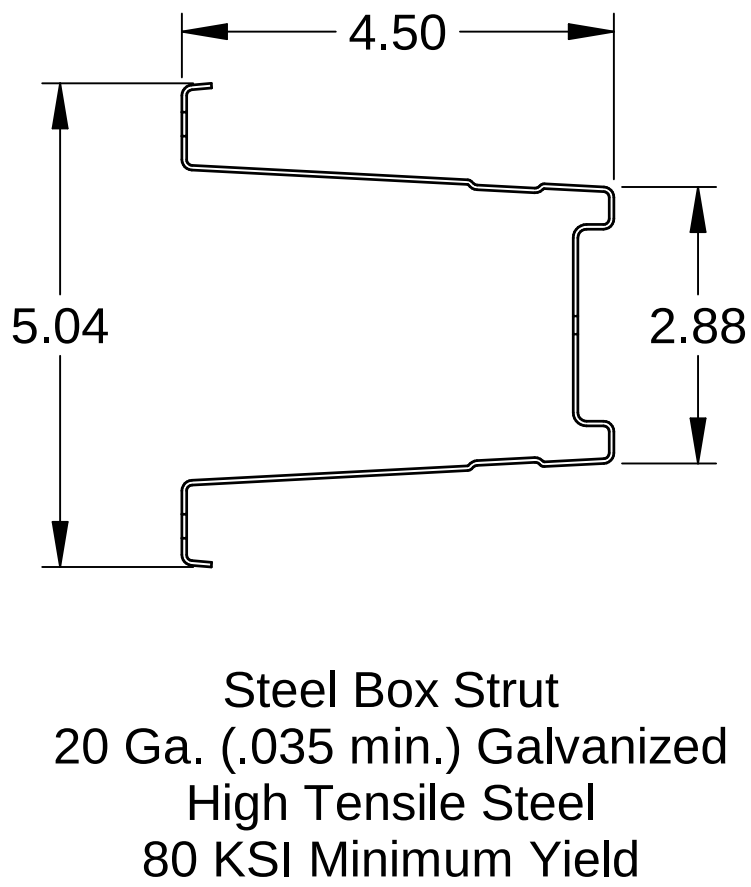
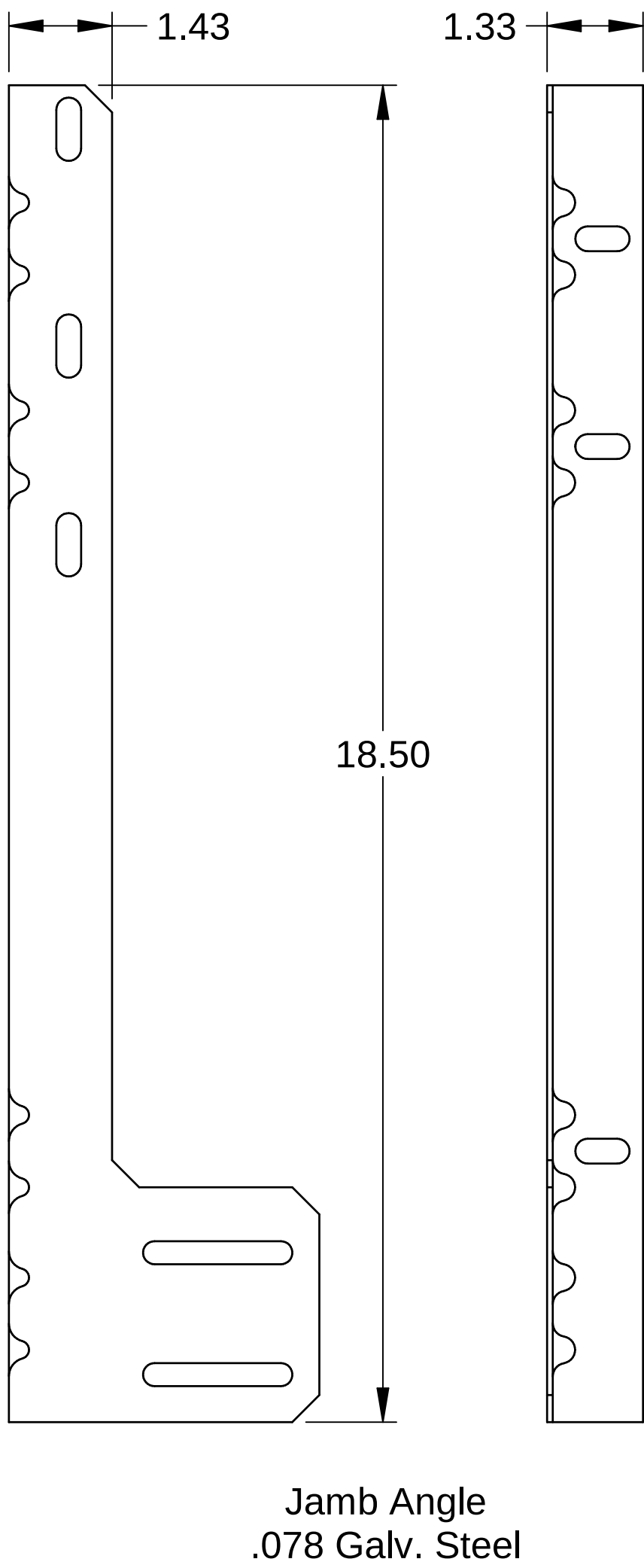
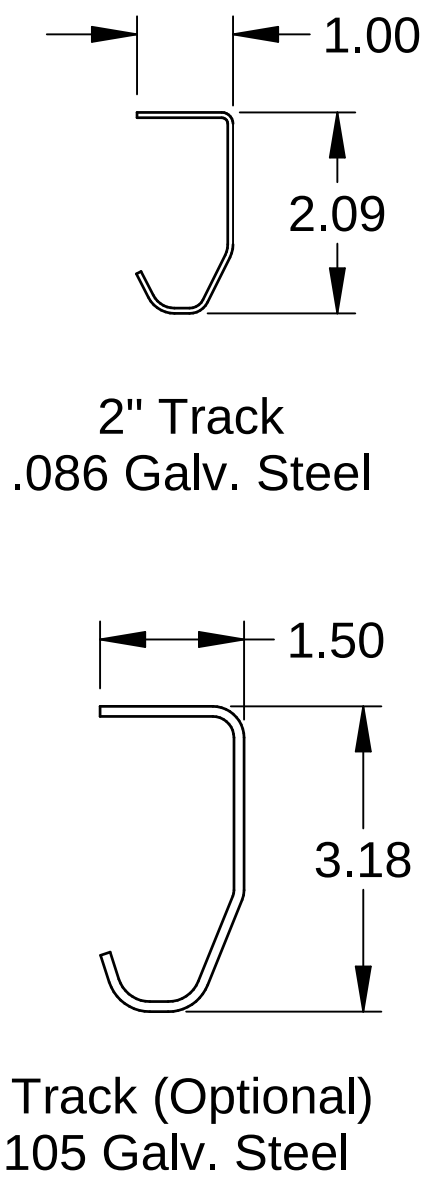
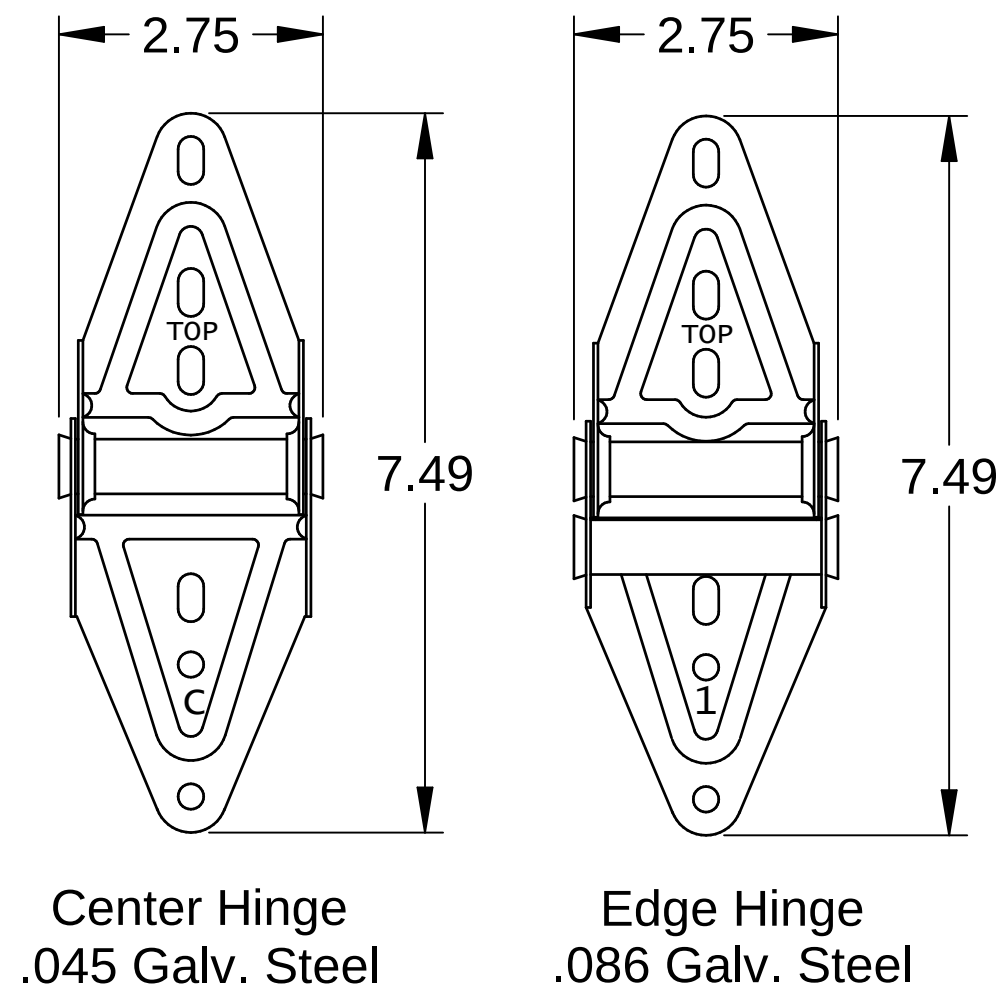
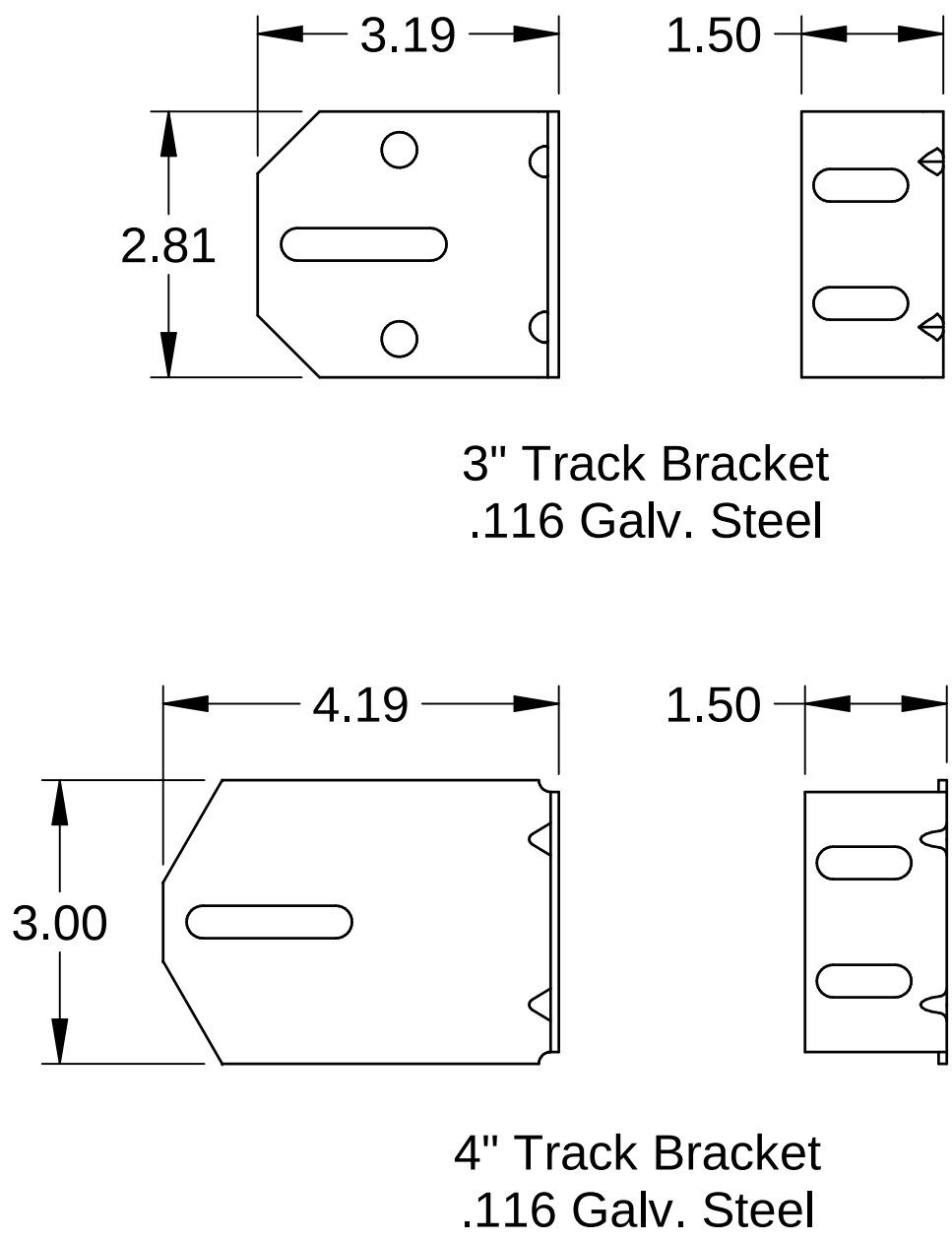
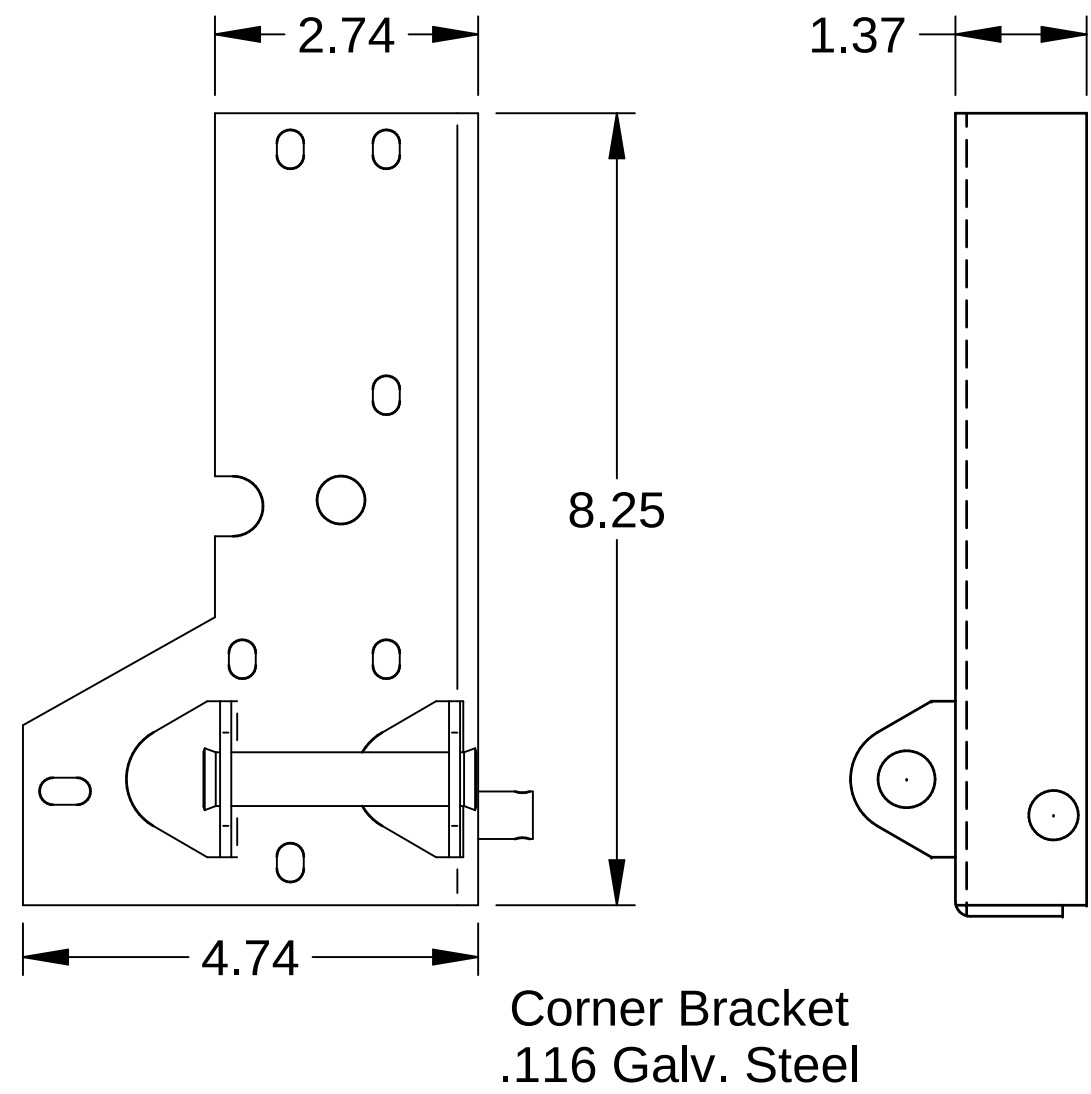
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No. P-2442	Sheet 3	Rev B	



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