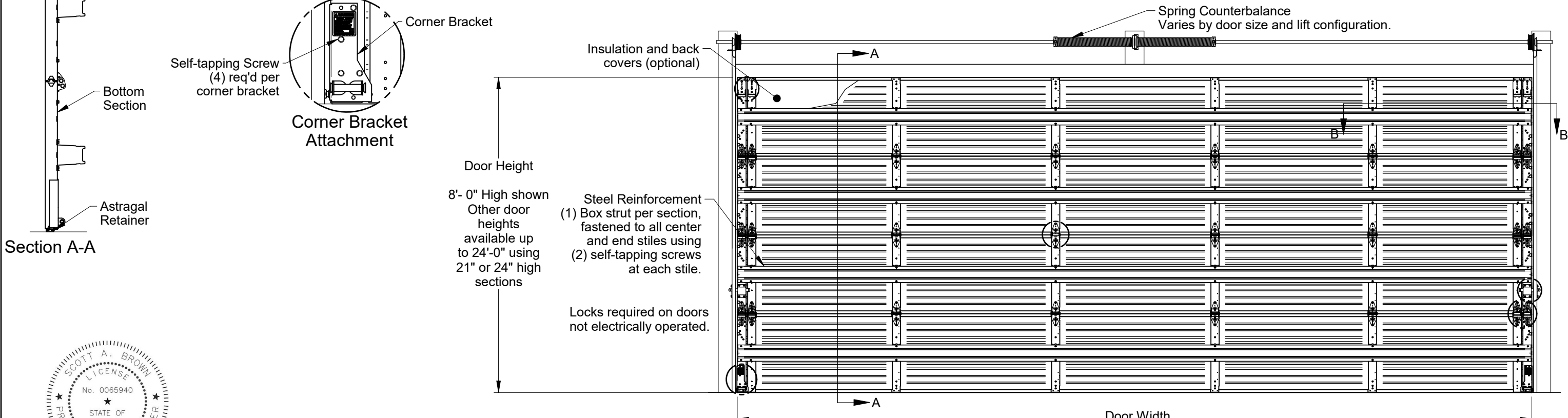
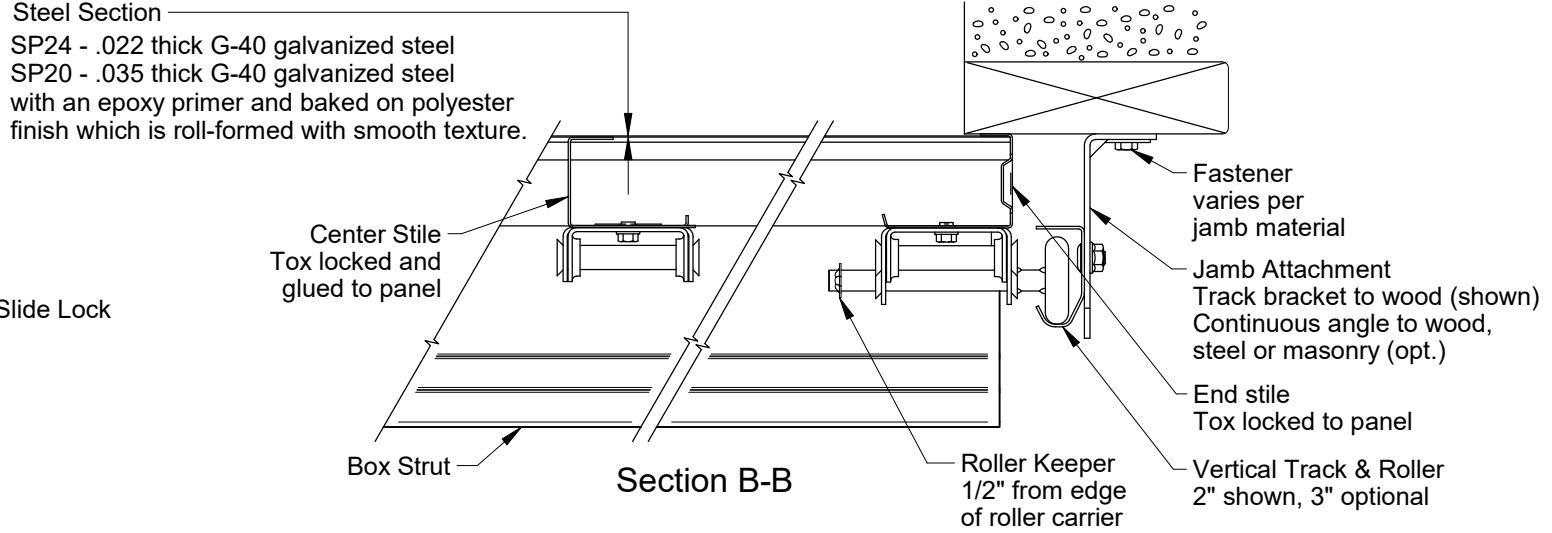
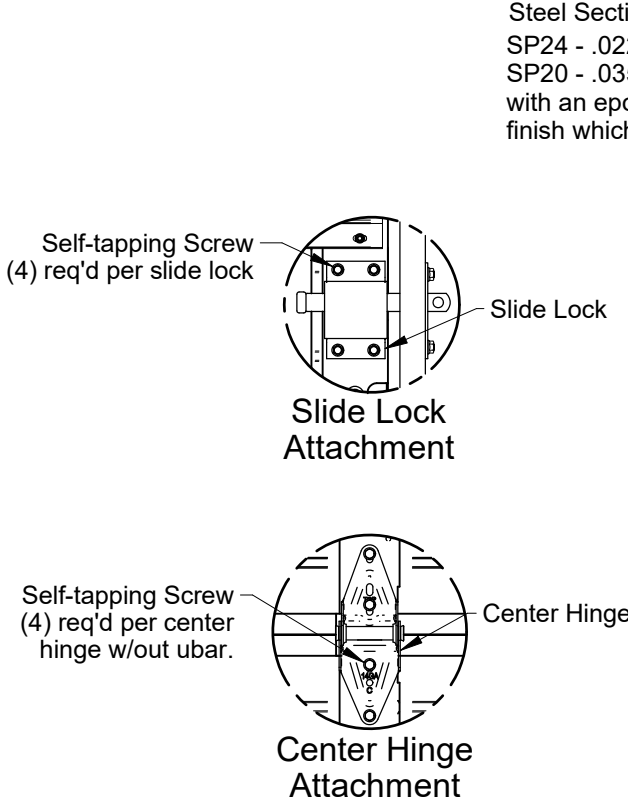
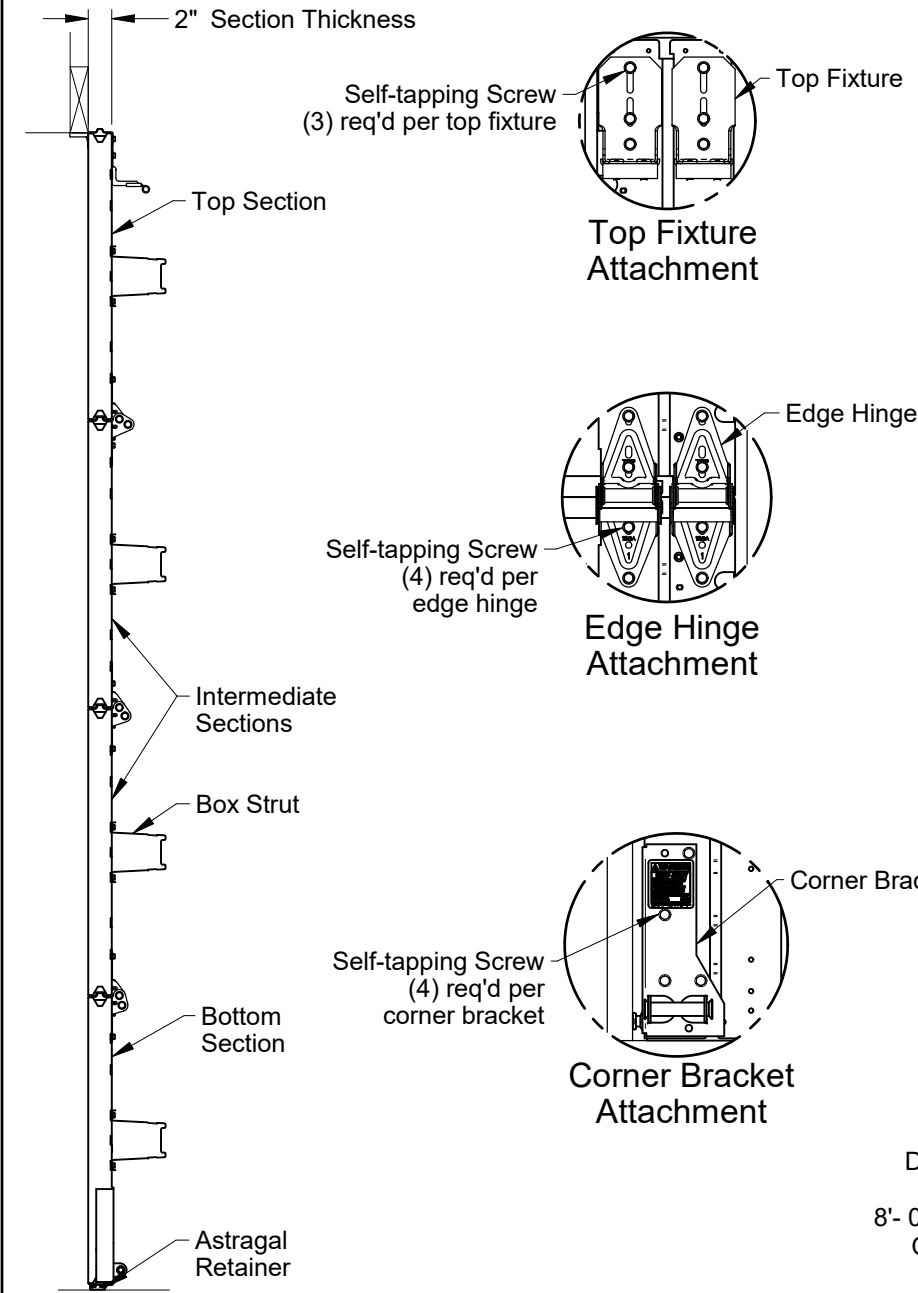


Scott A. Brown, P.E. Lic. No. 65940
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809 E 2nd St, Dixon, IL 61021
FBPE CA Lic. No. 35415
Structural Adequacy for Wind Load

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Doors tested per
ANSI/DASMA 108 for static air pressure
ANSI/DASMA 115 for large missile impact and cyclic wind pressure.
Complies with the IBC/IRC 2021 (Texas) and current FBC.
Wind loaded sectional doors are designed, tested and sold by PSF.
The AHJ of a given jobsite is responsible for determining the appropriate PSF.

Maximum Door Width	Hinge Rows	Panels	Design Loads		End Stiles
16'-2"	3	4	32.6	-36.4	Double (Std.)
18'-2"	4	5	23.3	-26.0	
20'-2"					

Rev.	Description	ECO	Date	ECO: 9203.01
C	Added 5/8" self-tapping screws on sht 4, drywall/sheathing detail on sht 3.	9203.04	10/02/25	
B	Door height was 18'-0" on sheet 1.	9203.02	06/11/25	
A	New release for production.	9203.01	03/24/25	

Scale: None
Drawn by: Max Kozeal
Checked by: R. Frey
Date: 03/24/25
ECO: 9203.01

1101 East River Road
Dixon, IL. 61021

Title: Spec, Wind Load SteelPro - SP24 / SP20		
No. P-3339	Sheet 1 of 4	Rev C

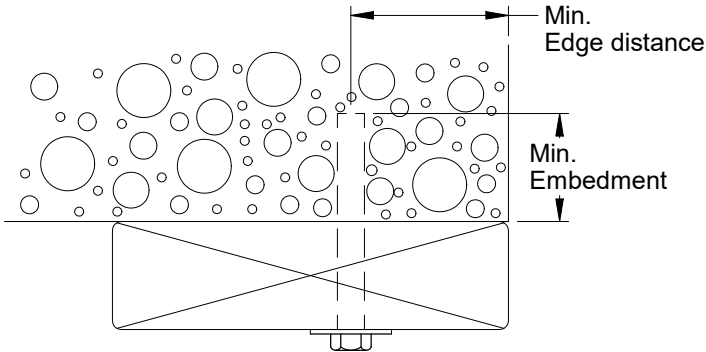
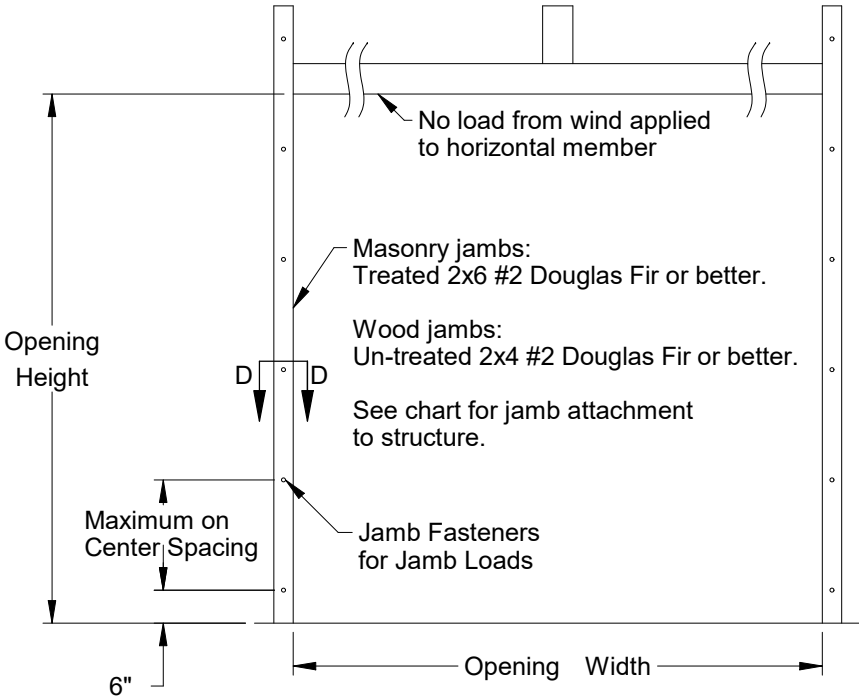
FL#47394

1. Design of the supporting structure shall be the sole responsibility of the building designer and shall be designed for the maximum jamb loads listed.
2. DASMA Technical Data Sheet TDS-161 may be used for alternate jamb attachments. Alternate jamb attachments may be used if approved by a registered Professional Engineer.
3. 3/8" diameter lag screws required 1/4" pilot hole and 1-1/2" minimum required distance.
4. Masonry fasteners by others.
5. Garage doors evaluated as attached to enclosed buildings.
6. Garage doors evaluated as components and cladding.

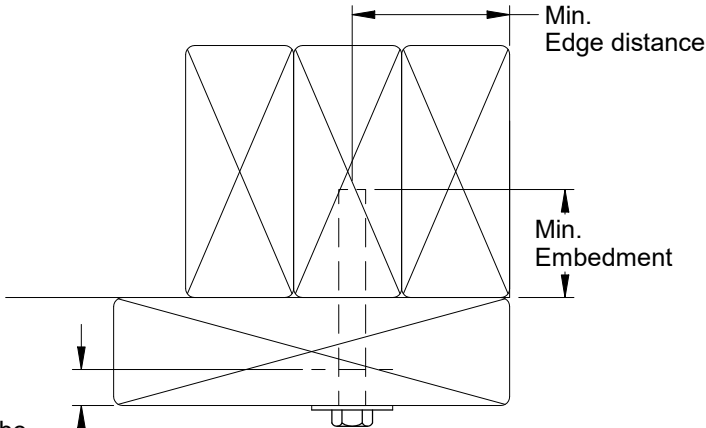
Max. Positive Jamb Load	
(16'-2" x 32.6 PSF) / 2 =	264 lbs. per foot

Max. Negative Jamb Load	
(16'-2" x -36.4 PSF) / 2 =	295 lbs. per foot

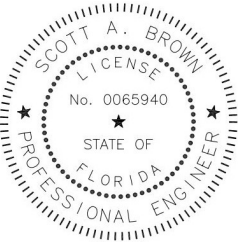
2x6 Attachment to Structure						
Structure Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Minimum on Center Spacing	Maximum on Center Spacing	Allowable Tension Load
2500 PSI Min. Concrete	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	2.5	6"	23"	526
Southern Pine	3/8" x 3" Lag with 1-1/8" 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



Section D-D
2500 PSI Min. Concrete



Section D-D
Southern Pine or
Spruce Pine Fir

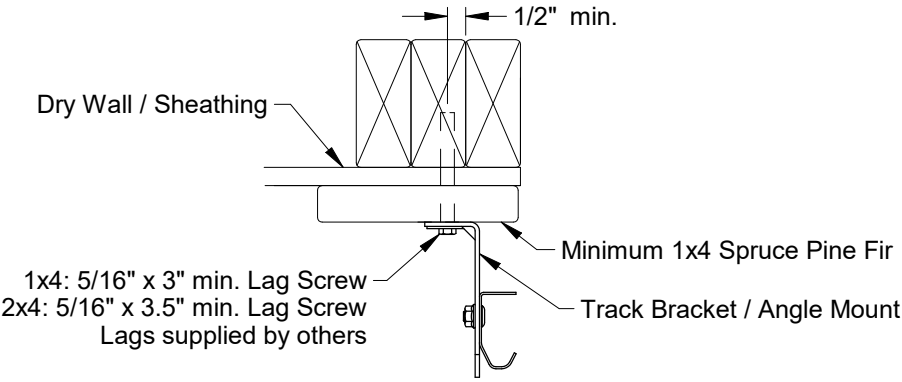
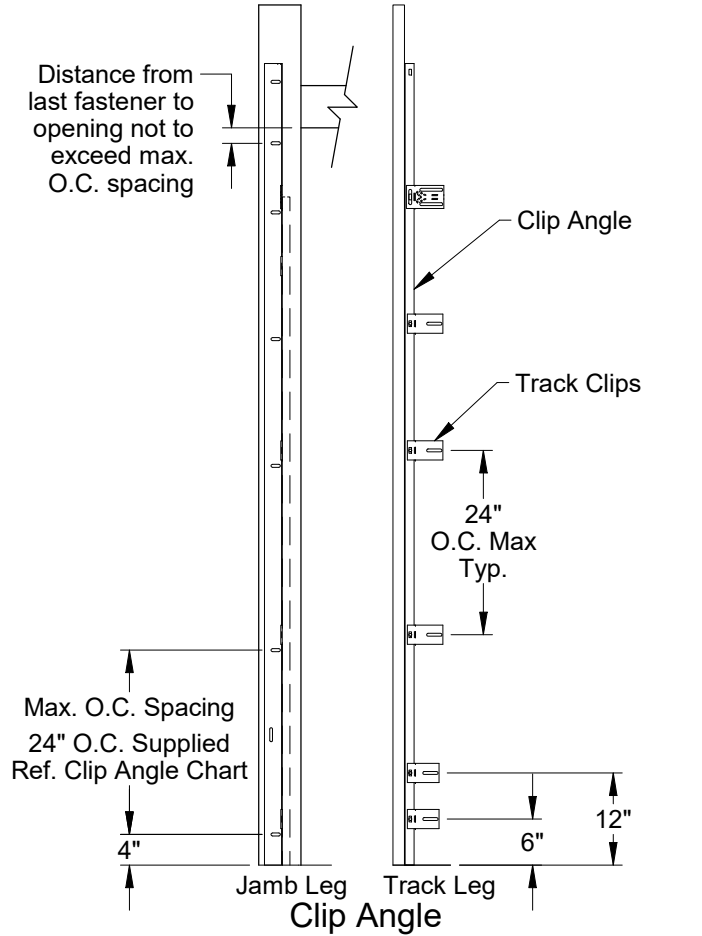
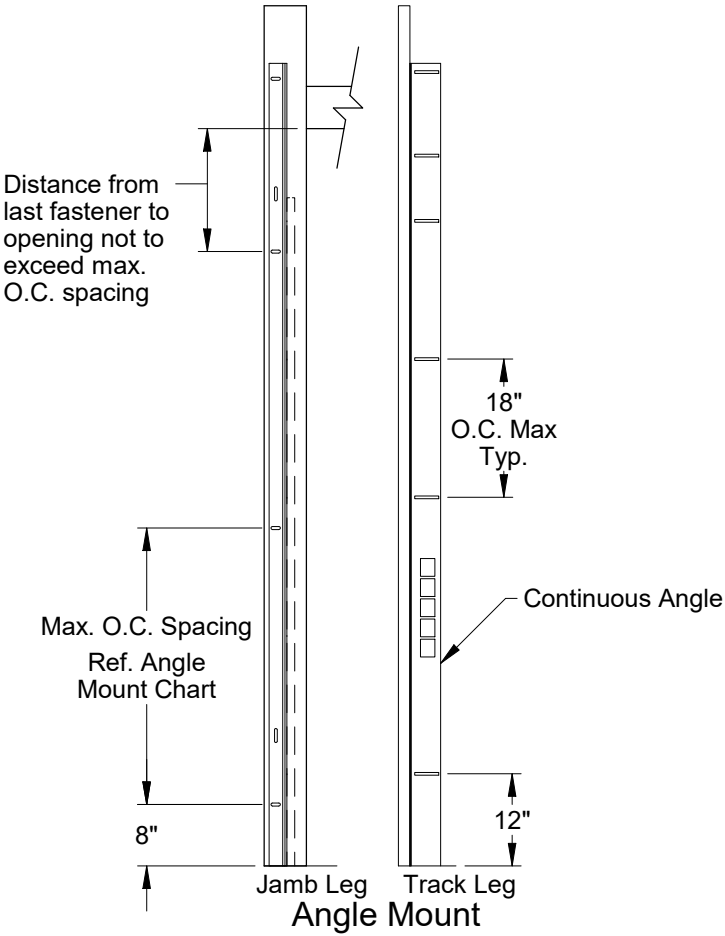
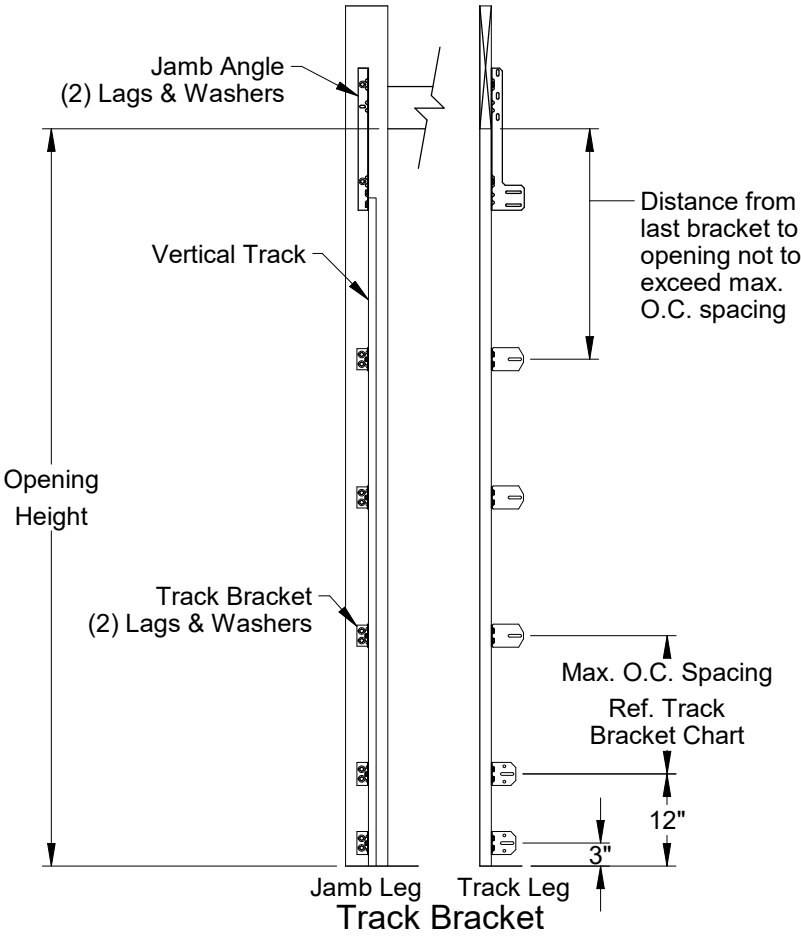


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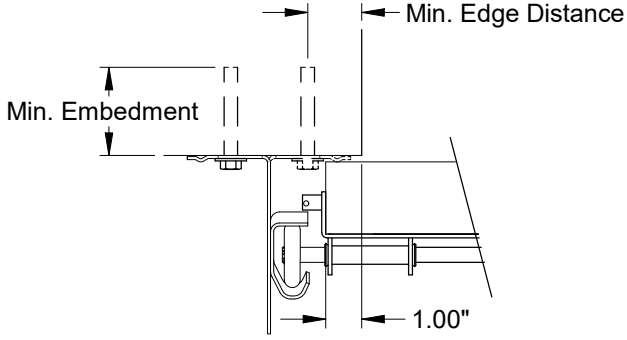
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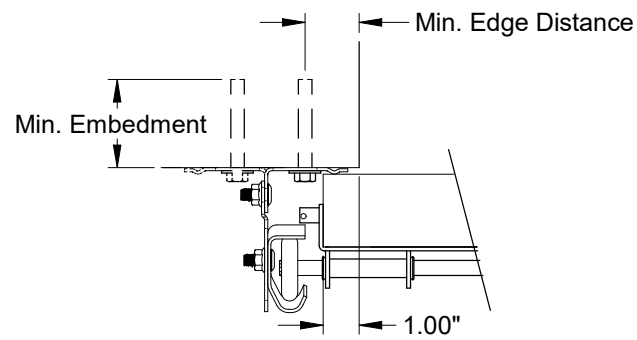
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Drawn by: Max Kozeal		No. P-3339	Sheet 2	Rev C
Checked by: R. Frey				
Date: 03/24/25				
ECO: 9203.01				



Attachment over Drywall/Sheathing



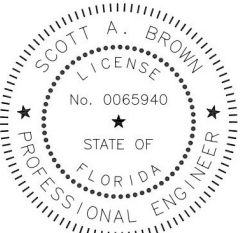
Angle Mount to Structure
2" Angle mount turned-out standard (solid)
2" Angle mount turned-in optional (dashed)
3" Angle mount available



Clip Angle to Structure
2" Clip angle turned-in standard (solid)
2" Clip angle turned-out optional (dashed)
3" Clip angle available

Jamb Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Allowable Tension Load (lbs.)	Track Bracket	Angle Mount	Clip Angle
					Max. on Center Spacing	Max. on Center Spacing	Max. on Center Spacing
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	893	N/A	18"	24"
	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	687	N/A	18"	24"
	1/4" x 2-5/8" Screw-Bolt+ with 9/16" OD Washer	2-1/2"	1-1/2"	651	N/A	18"	24"
Steel	5/16" x 1" SAE J78, Min. AISI 1022 with 5/16" Washer	3/16"	1-1/2"	971	N/A	18"	24"
Wood	5/16" x 1-3/4" Lag with 5/16" Washer	1-1/2"	1-1/2"	352	18"	12"	*12"
Grout Filled CMU Block	3/8" Simpson Titen HD	2-3/4"	4"	480	N/A	18"	*12"

Alternate fasteners may be used if approved by a registered Professional Engineer.
*Field drilling req'd.



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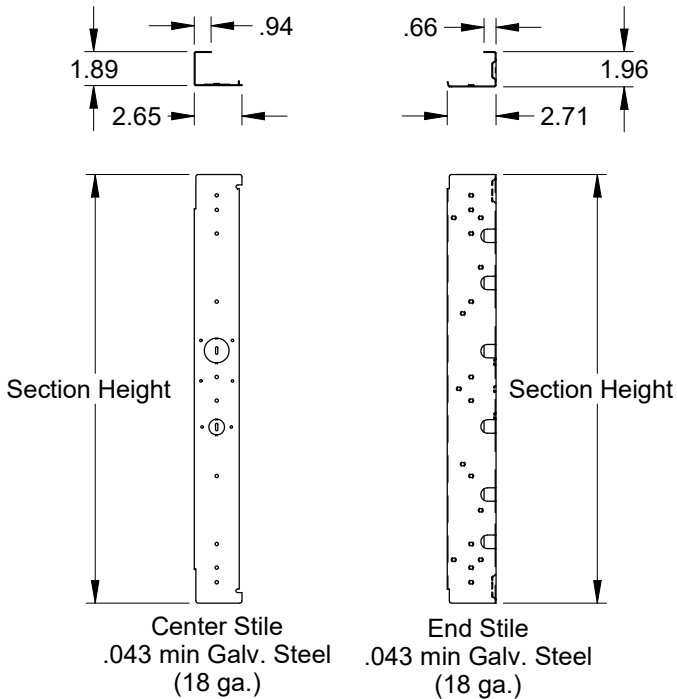
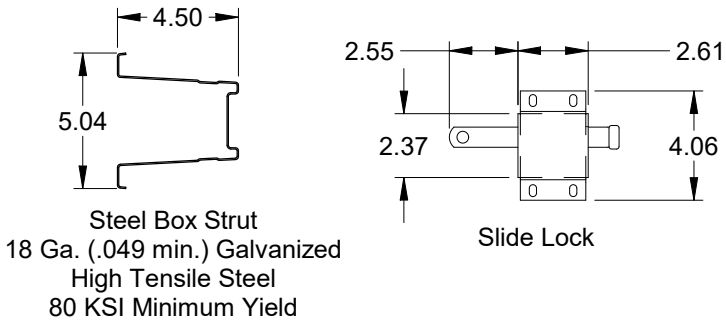
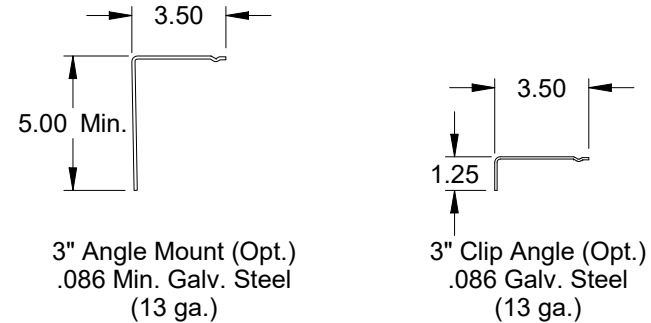
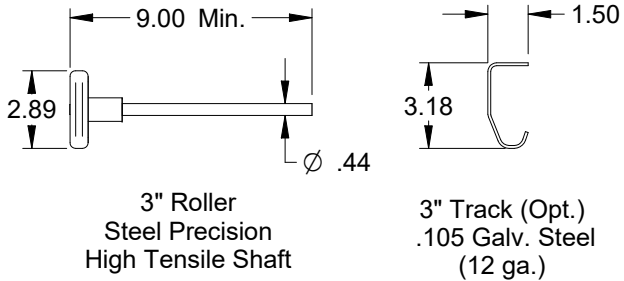
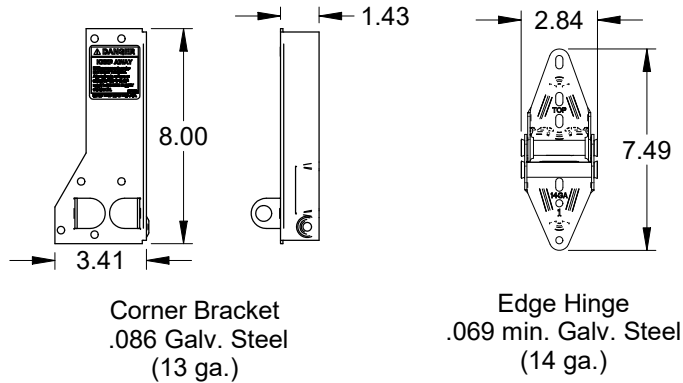
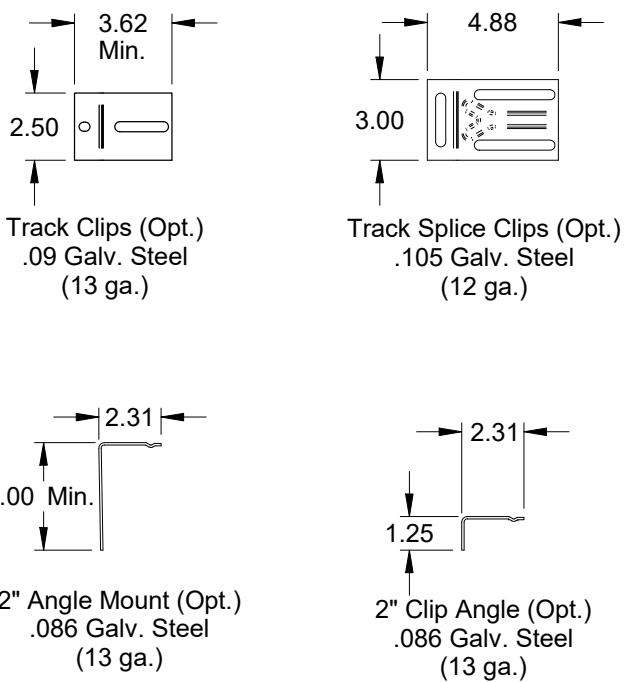
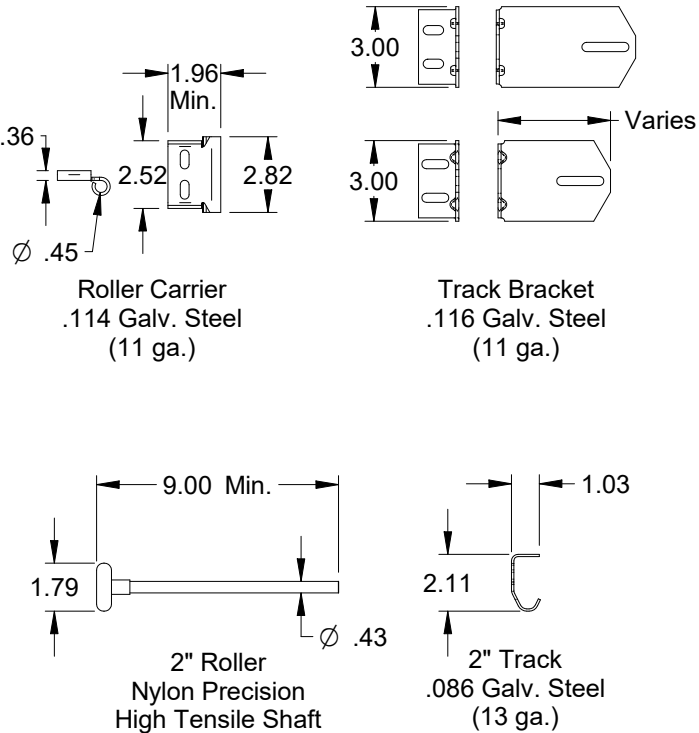
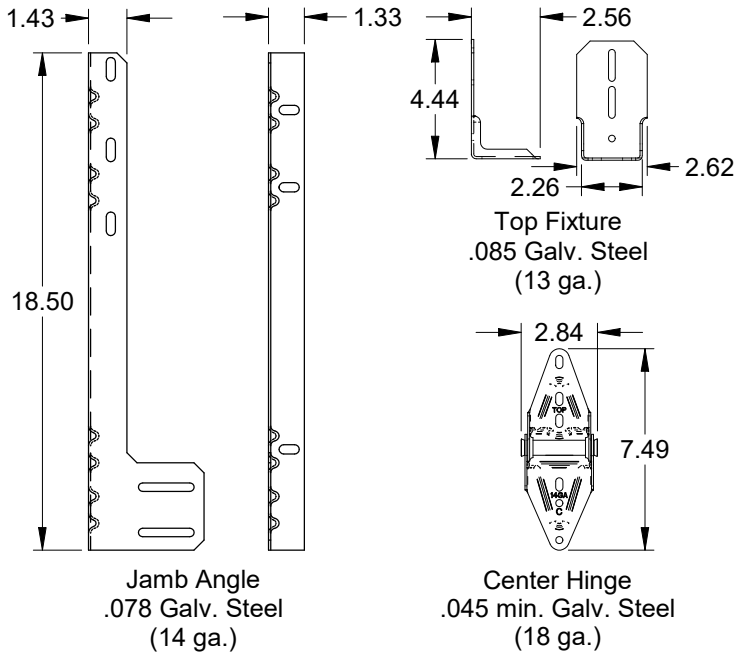
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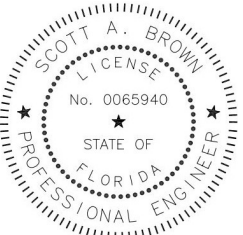
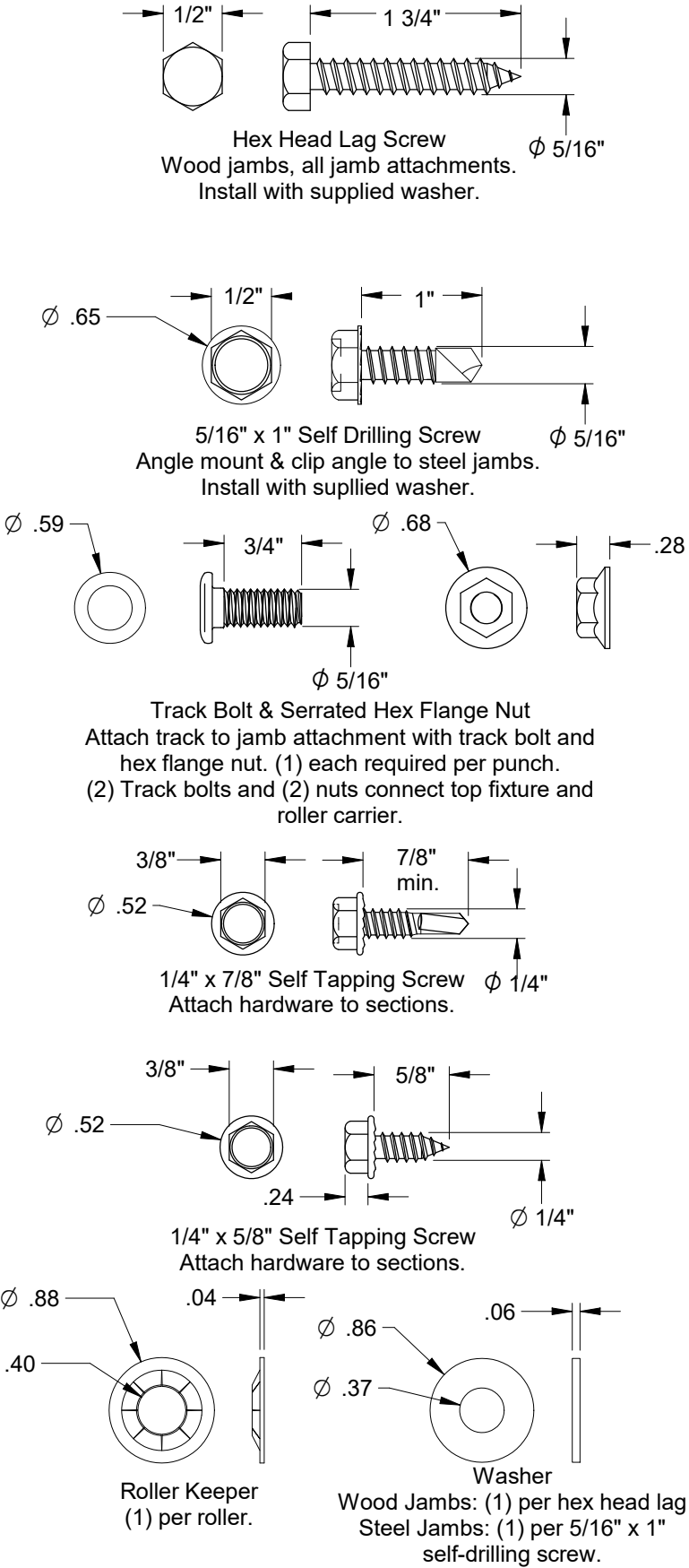


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No. P-3339	Sheet 3	Rev C

Installation Hardware



Fasteners & Small Hardware



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All parts shown are for illustration purposes only. The actual product may include equivalent parts due to availability.

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