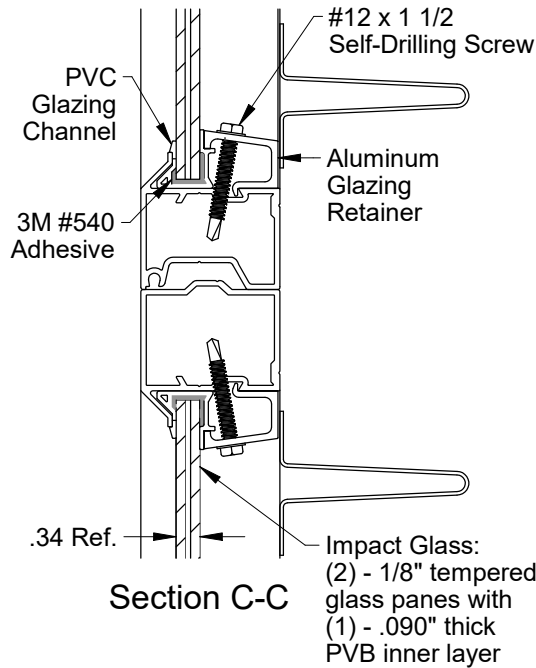
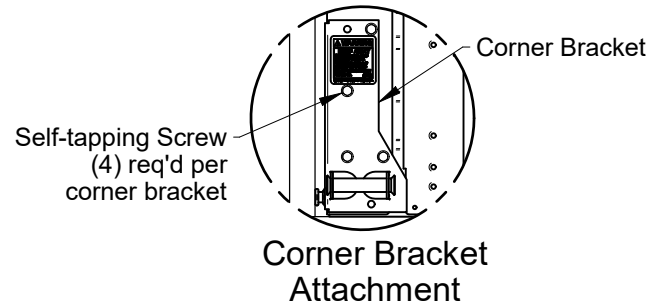
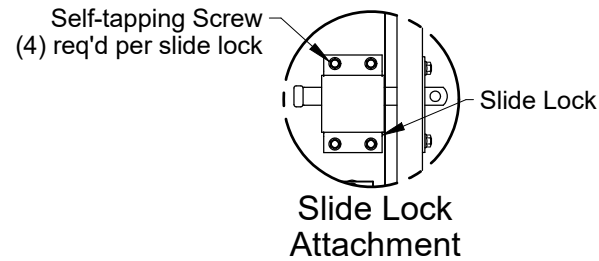
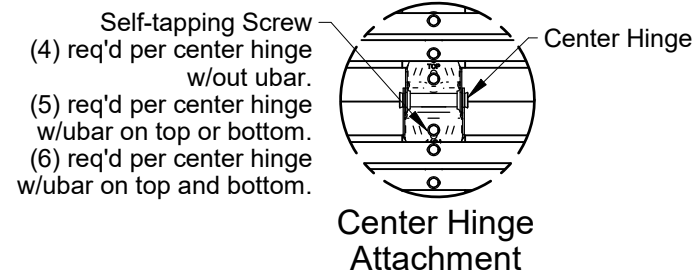
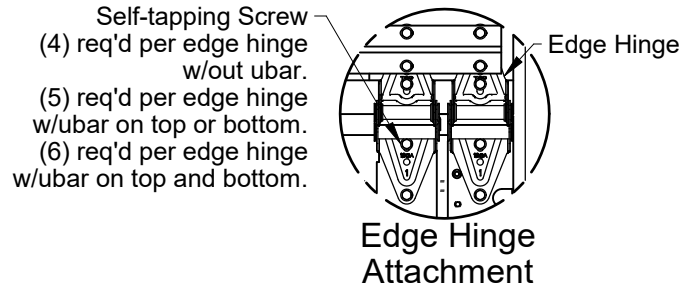
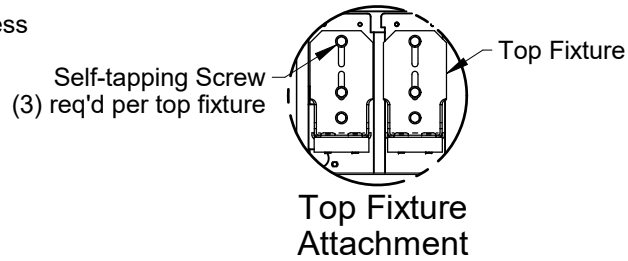
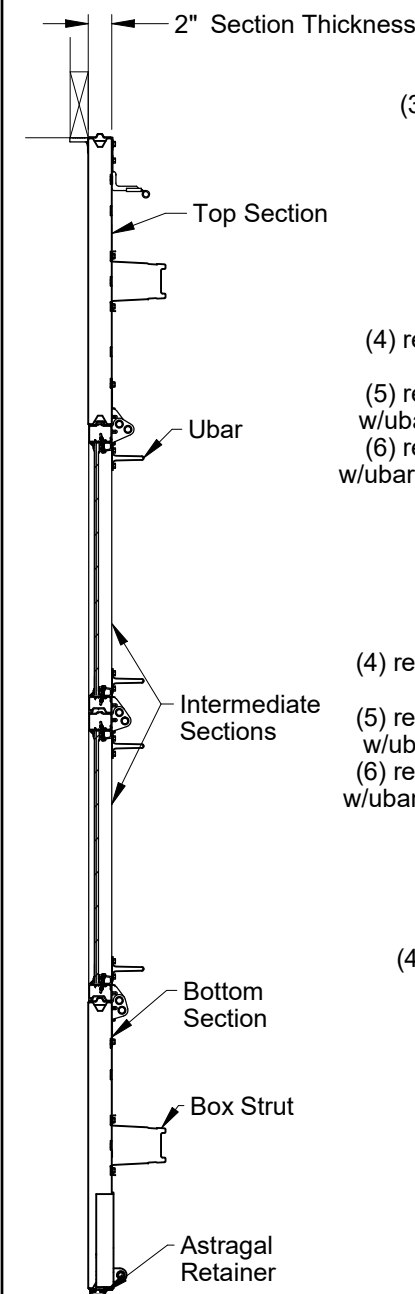
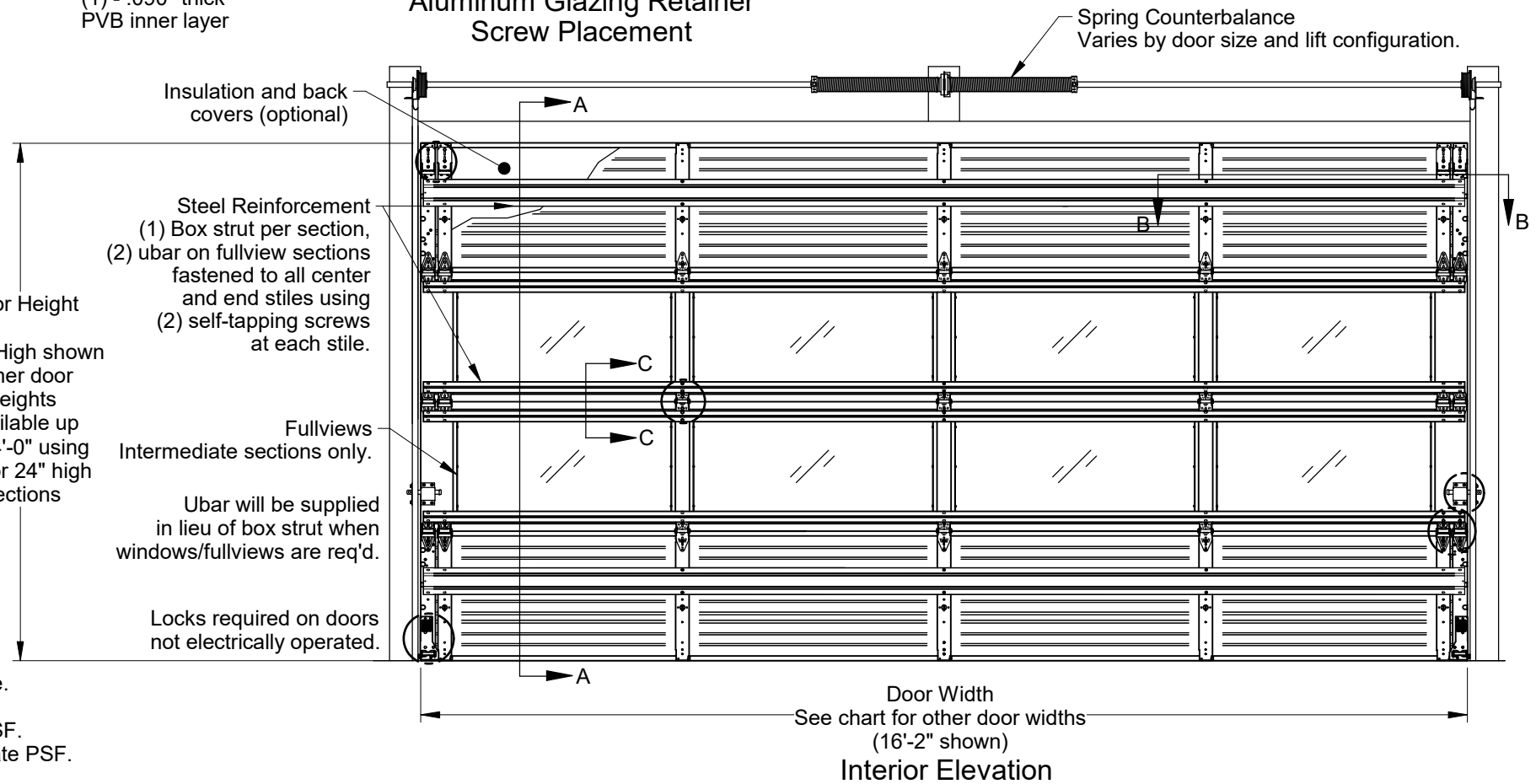
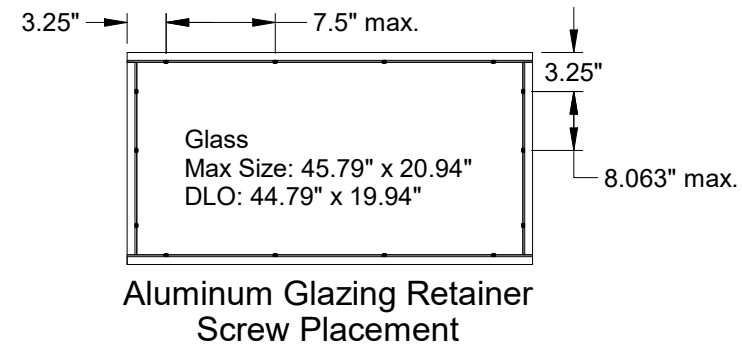
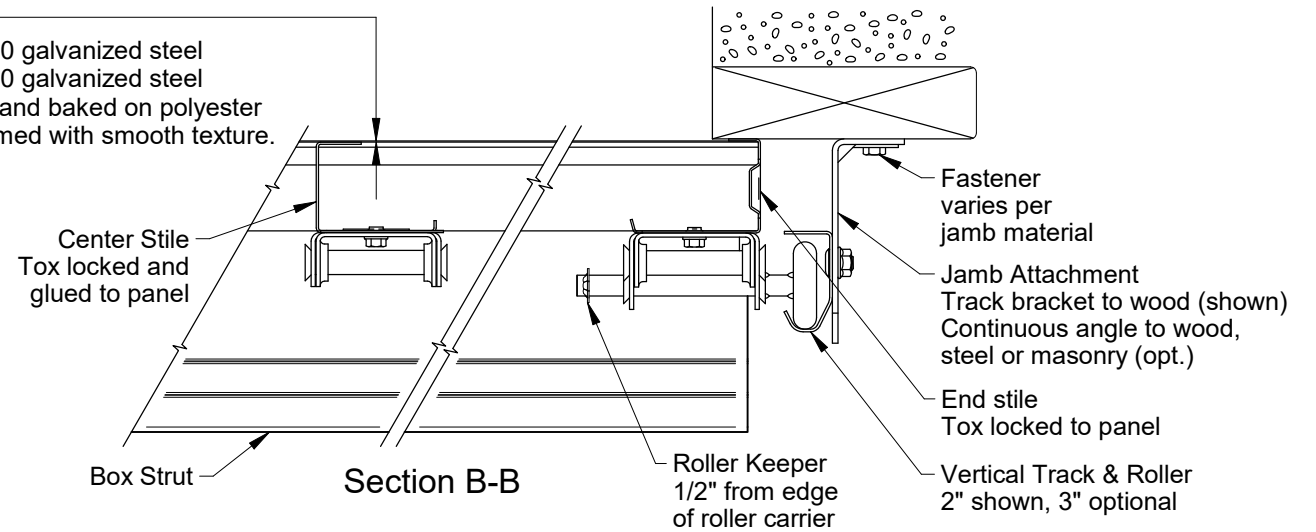




Steel Section
SP24 - .022 thick G-40 galvanized steel
SP20 - .035 thick G-40 galvanized steel
with an epoxy primer and baked on polyester finish which is roll-formed with smooth texture.



Doors tested per
ANSI/DASMA 108 for static air pressure
ANSI/DASMA 115 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
10'-2"	2	3	45.9	-51.9
12'-2"				
14'-2"	3	4	30.9	-33.1
16'-2"				
18'-2"	4	5	23.3	-26.0
20'-2"				

Double (Std.)

Rev.	Description	ECO	Date
B	Added 10', 12', 14', 18', and 20' widths, 5/8" self-tapping screws on sht 4 and drywall/sheathing detail on sht 3.	9203.04	10/02/25
A	New release for production.	9203.02	06/10/25

Scale: None
Drawn by: R. Frey
Checked by: G. Wedekind
Date: 06/10/25
ECO: 9203.02



Title: Spec, Wind Load SteelPro - SP24 / SP20		
No. P-3356	Sheet 1 of 4	Rev B

FL#47394

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Willett Hofmann & Associates, Inc.
809 E 2nd St, Dixon, IL 61021
FBPE CA Lic. No. 35415
Structural Adequacy for Wind Load

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Date: 2025.10.13 17:33:47-05'00'

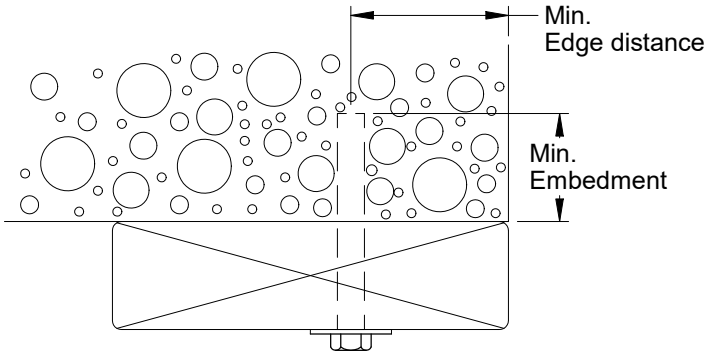
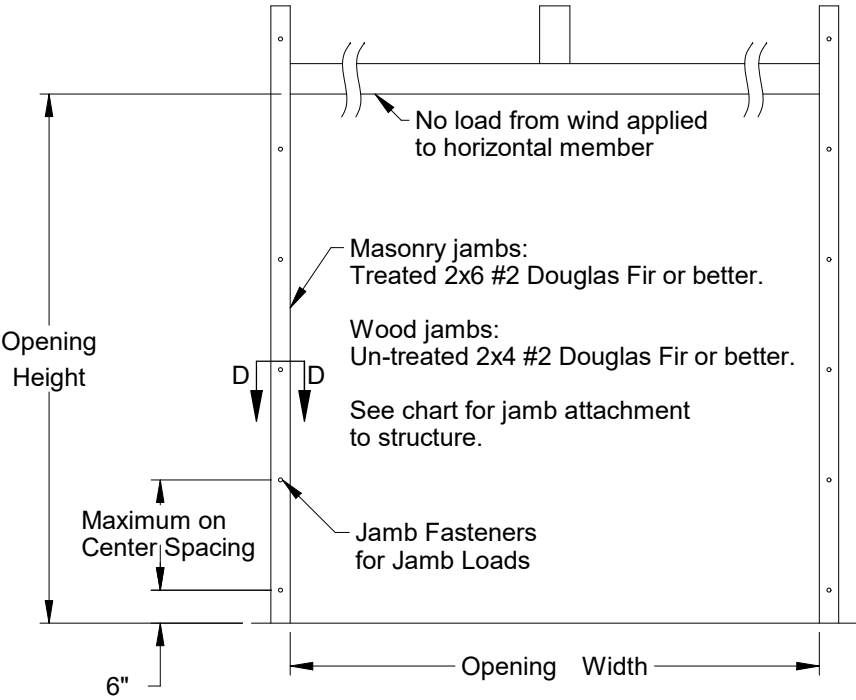
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1. Design of the supporting structure shall be the sole responsibility of the building designer and shall be designed for the maximum jamb loads listed.
2. DASMA Technical Data Sheet TDS-161 may be used for alternate jamb attachments. Alternate jamb 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.

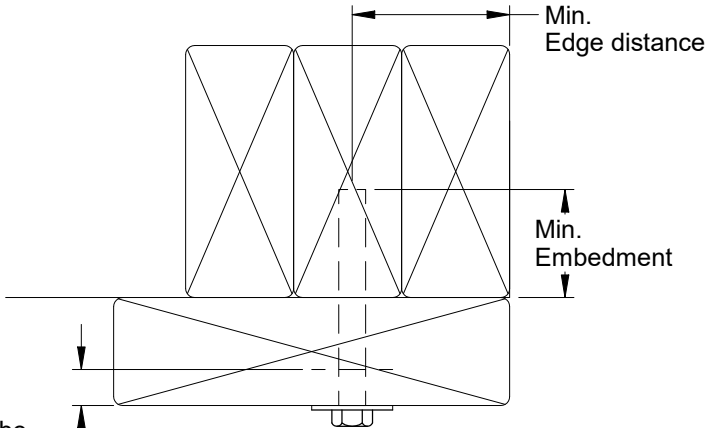
Max. Positive Jamb Load	
(12'-2" x 45.9 PSF) / 2 =	280 lbs. per foot

Max. Negative Jamb Load	
(12'-2" x -51.9 PSF) / 2 =	317 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"	22"	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"	20"	482

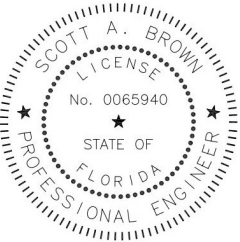


Section D-D
2500 PSI Min. Concrete



Fasteners may be countersunk up to 1/2"

Section D-D
Southern Pine or
Spruce Pine Fir

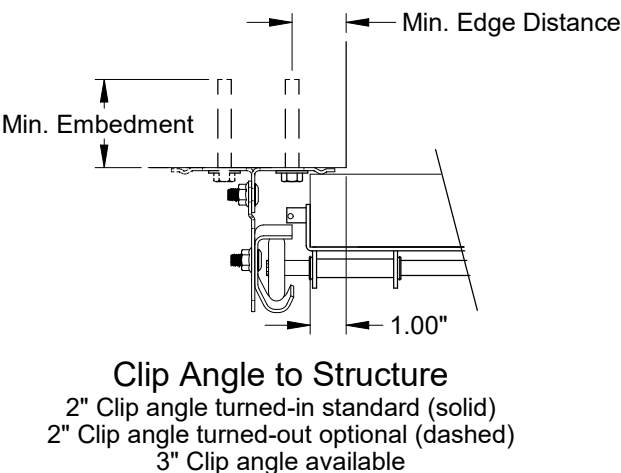
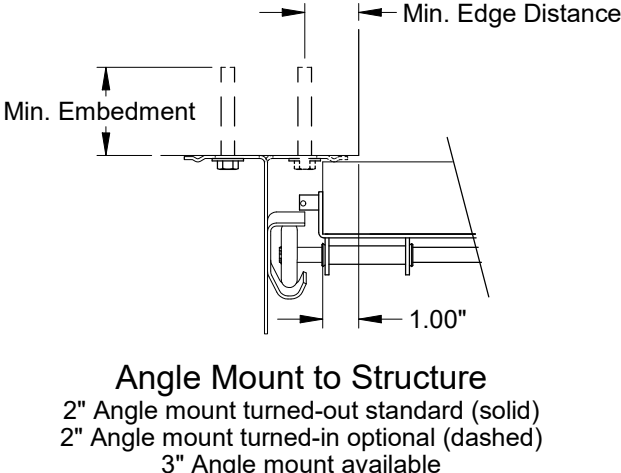
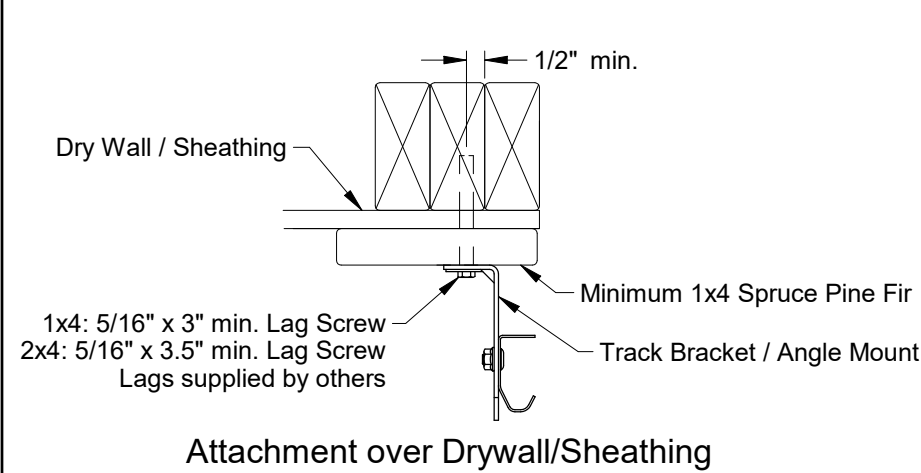
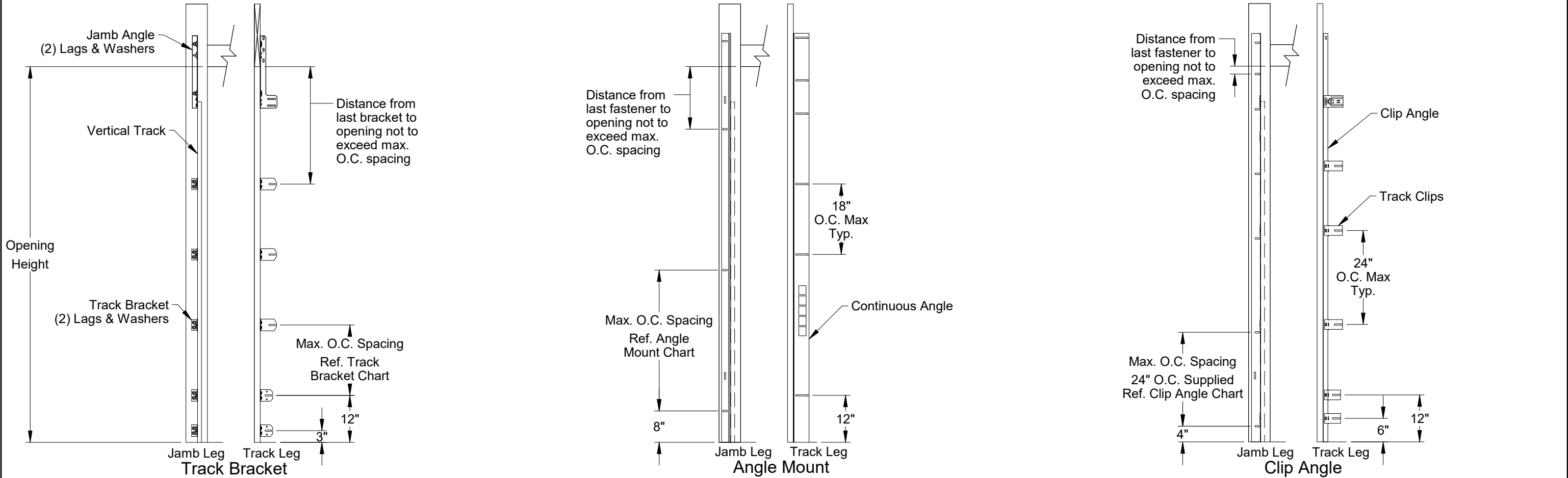


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Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load SteelPro - SP24 / SP20		
Drawn by: R. Frey		No. P-3356		
Checked by: G. Wedekind				
Date: 06/10/25				
ECO: 9203.02			Sheet 2	Rev B

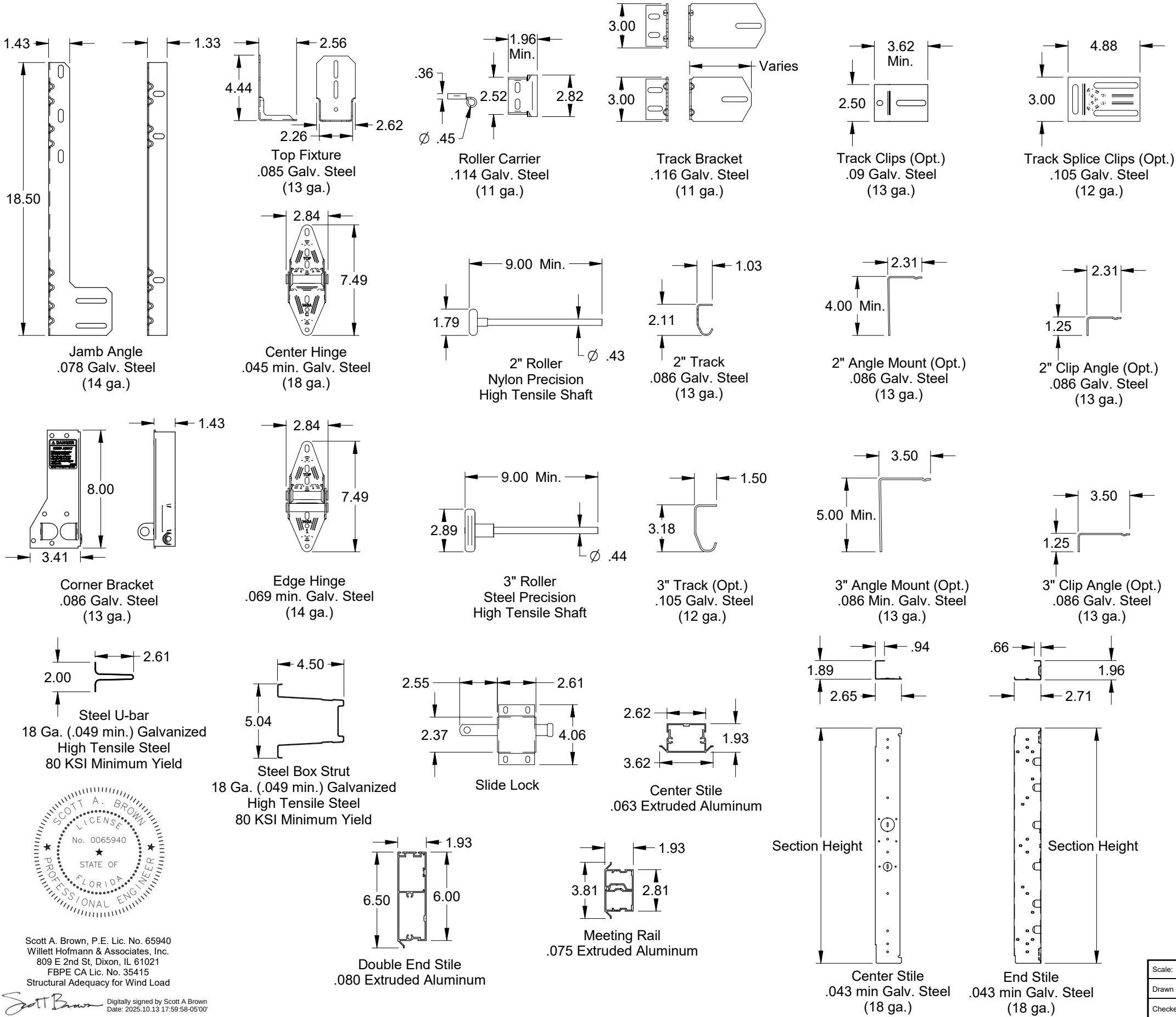


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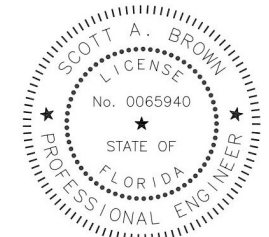
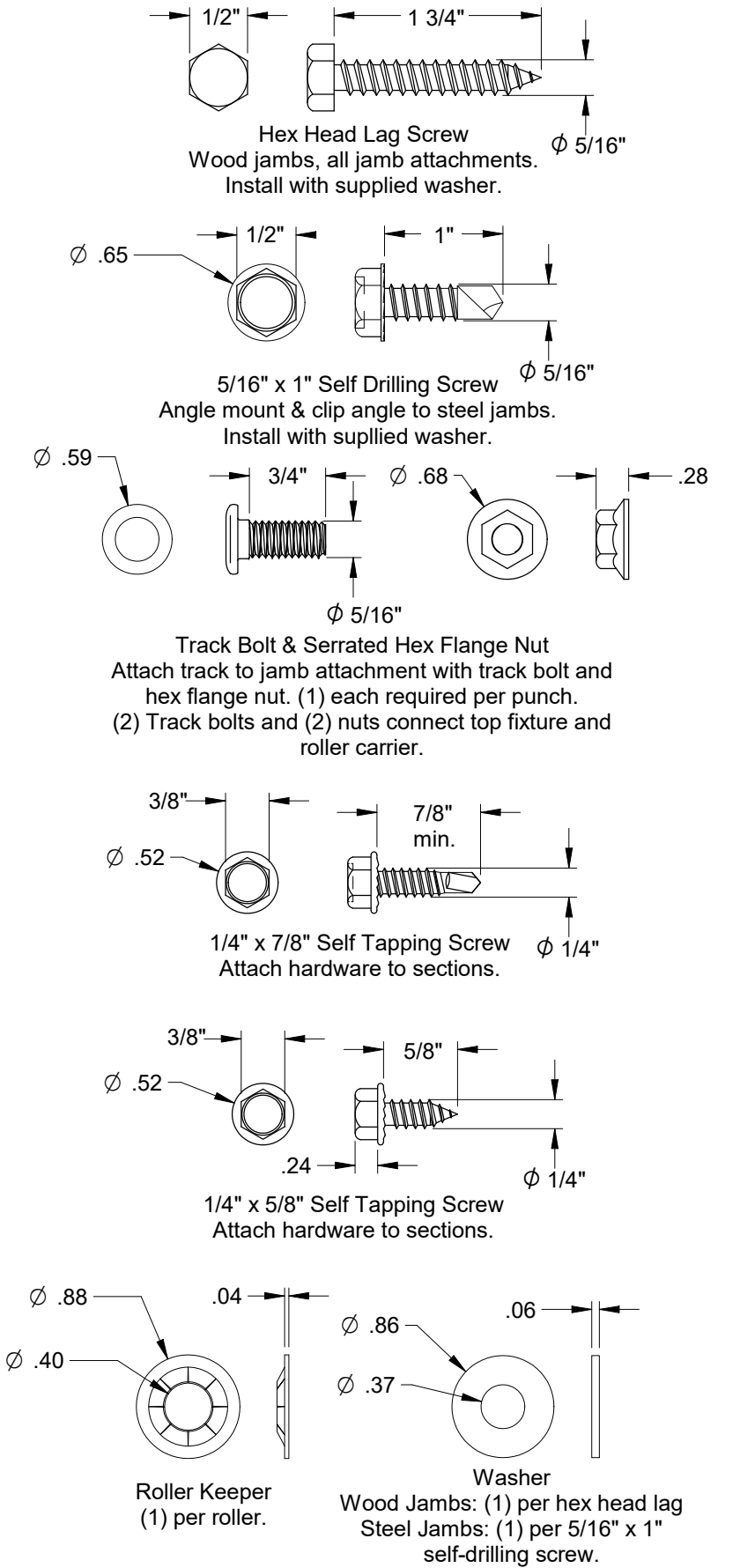
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Date: 2025.10.13 17:59:25-05'00'

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"

Installation Hardware



Fasteners & Small Hardware



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Drawn by: R. Frey		No. P-3356	Sheet 4	Rev B
Checked by: G. Wedekind				
Date: 06/10/25				
ECO: 9203.02				