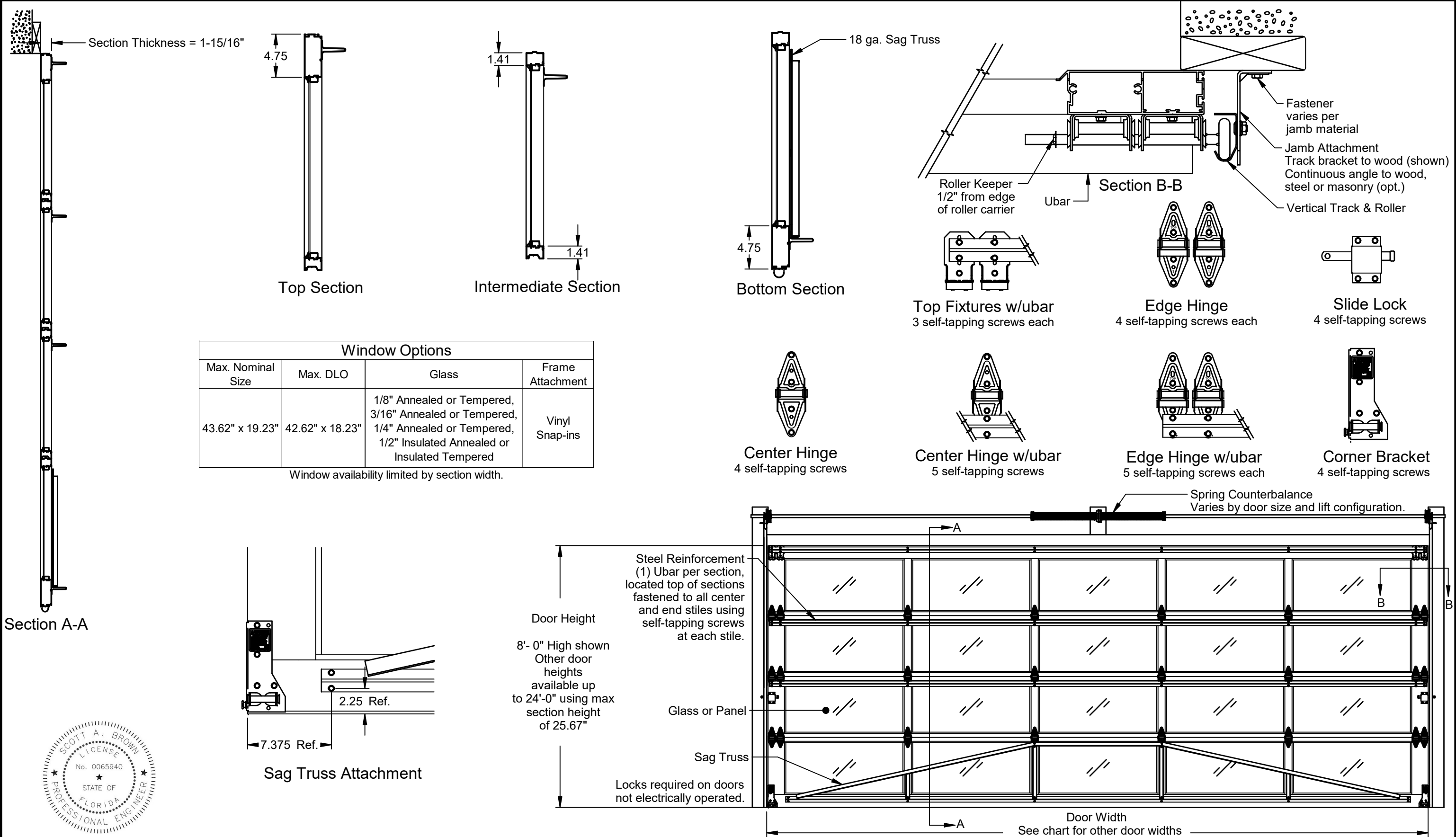


Scott A. Brown, P.E. Lic. No. 65940
Willett Hofmann & Associates, Inc.
809 E 2nd St, Dixon, IL 61021
FBPE CA Lic. No. 35415
Structural Adequacy for Wind Load

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Date: 2026.06.05 16:27:50-05'00'

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Doors tested per ANSI/DASMA 108 for static air 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.

Max. Door Width	Hinge Rows	Panels	Design Loads	End Stile
20'-2"	4	5	19.3 -21.5	Double

A	New release for production.	9454.01	06/04/2026
Rev.	Description	ECO	Date

Scale: None
Drawn by: D. Marco
Checked by: R. Frey
Date: 06/01/2026
ECO: 9454.01

RAYNOR GARAGE DOORS

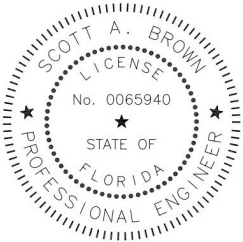
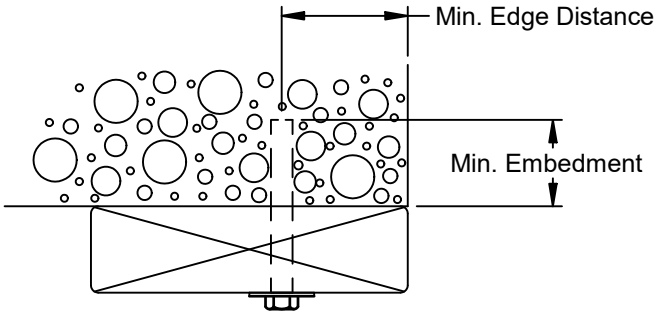
1101 East River Road
Dixon, IL. 61021

Title: Spec, Wind Load Alumaview - AV200		
No. P-2621	Sheet 1 of 4	Rev A

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.

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	5/16" 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

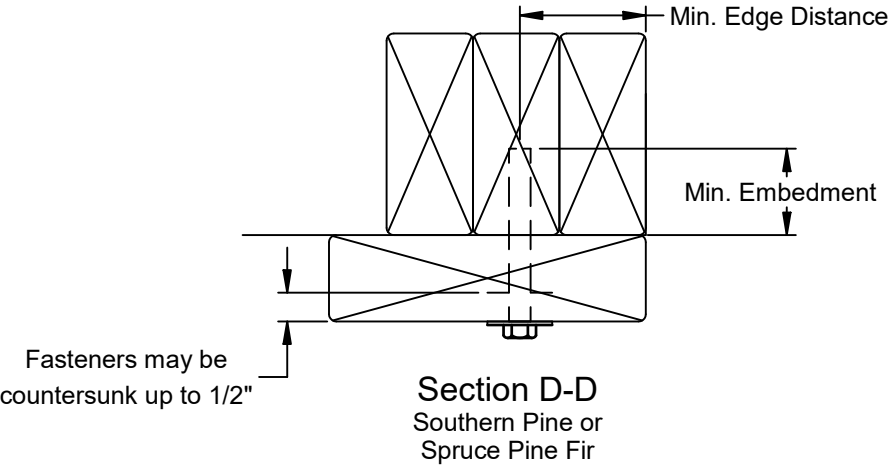
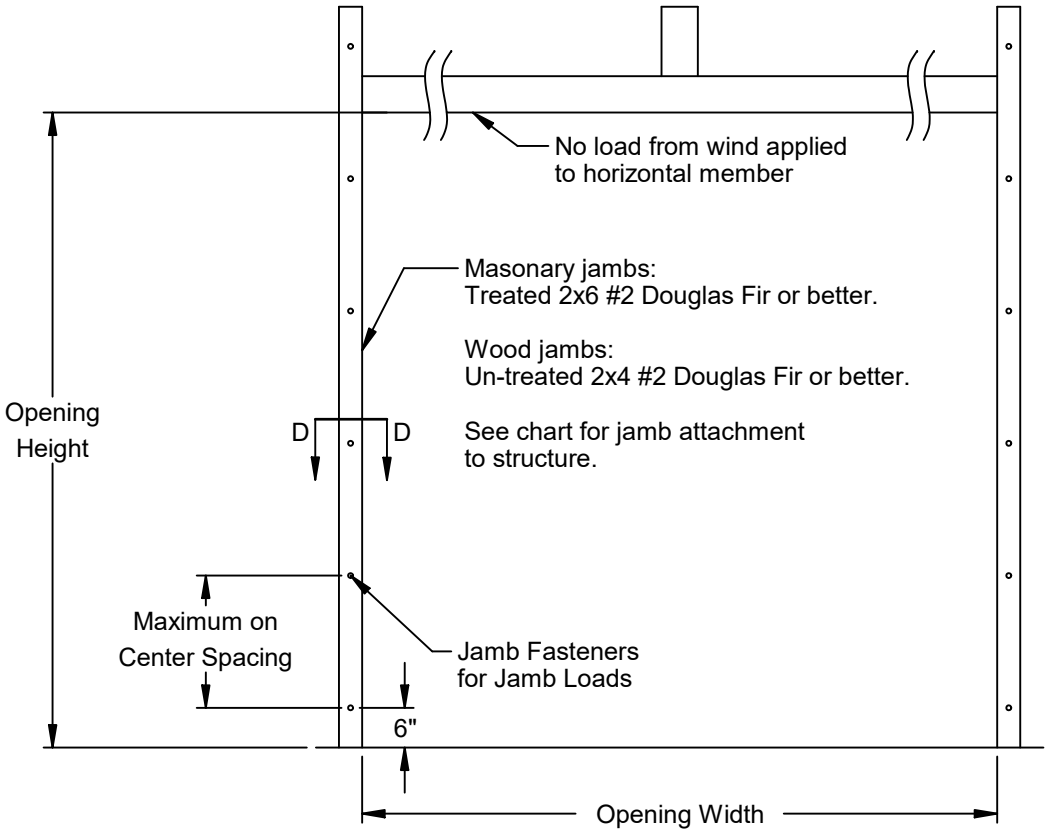
	(Door Width * Pressure (PSF)) / 2 = Lbs. per foot			
Positive Jamb Loads	20.167	19.3	2	195
Negative Jamb Loads	20.167	-21.5	2	217



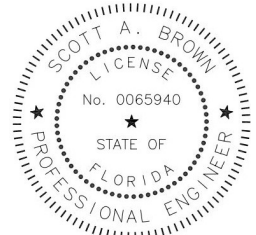
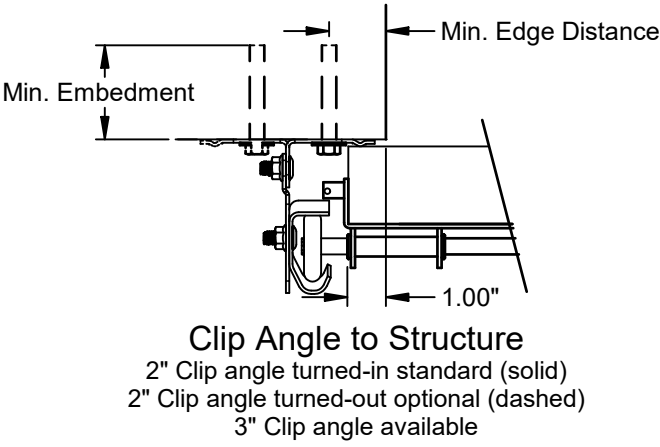
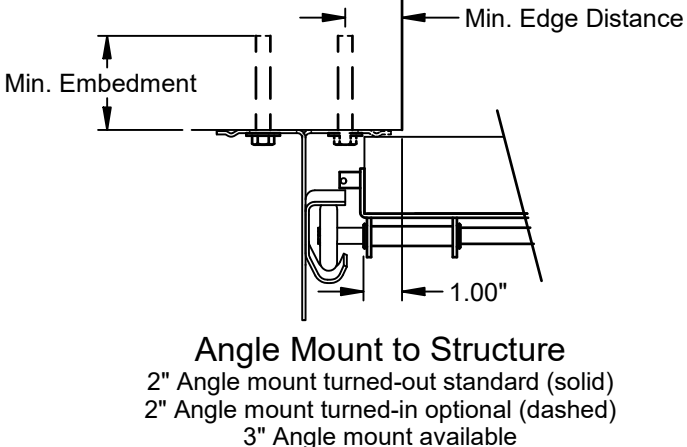
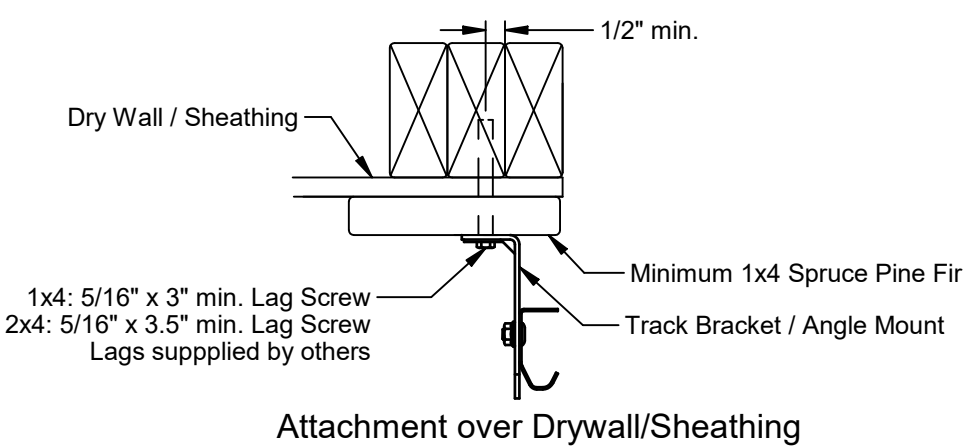
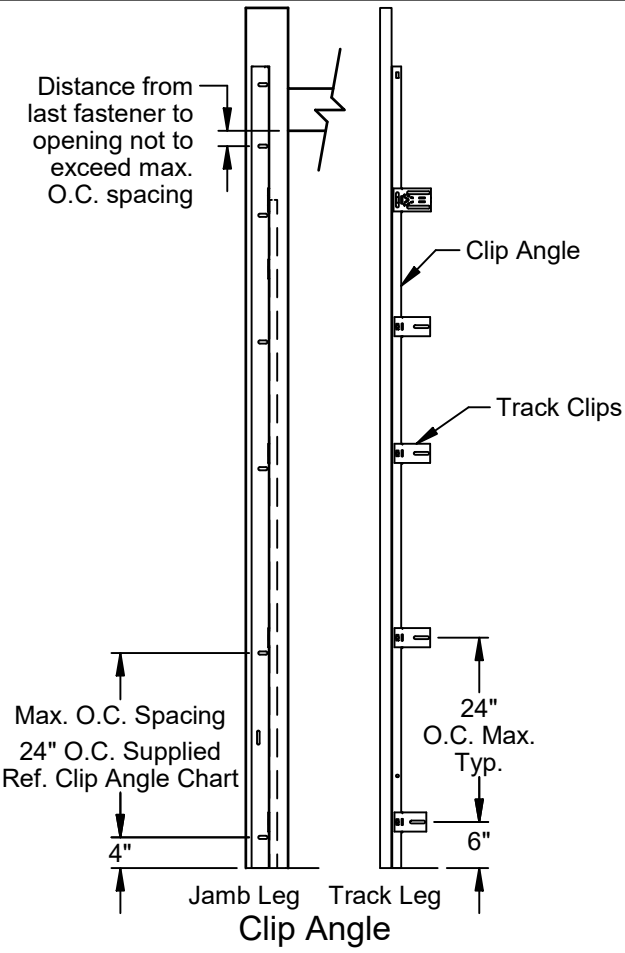
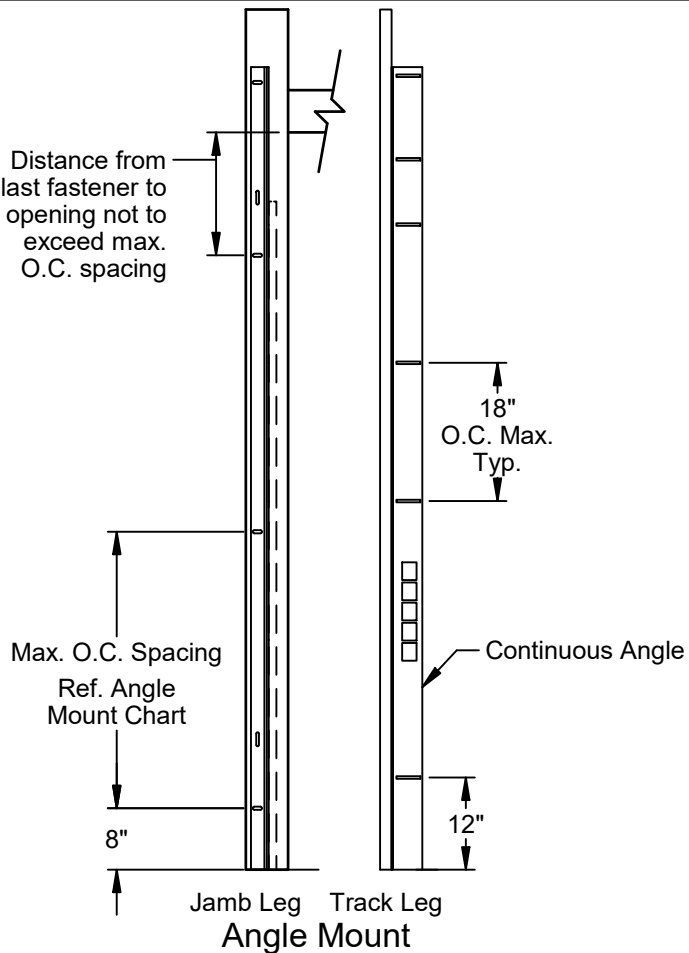
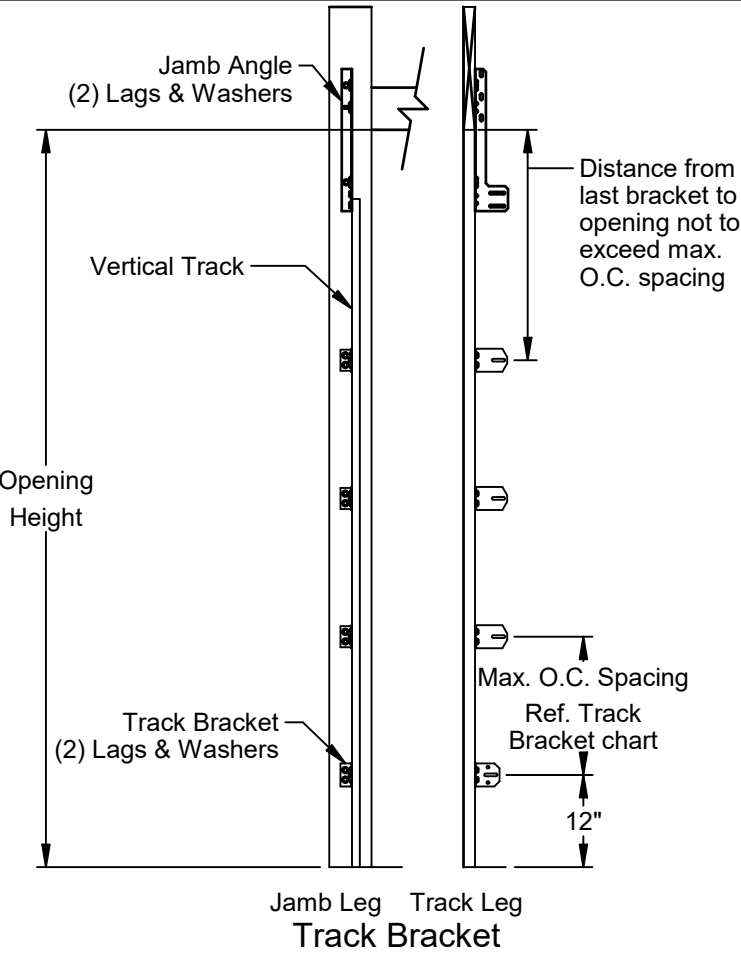
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Willett Hofmann & Associates, Inc.
809 E 2nd St, Dixon, IL 61021
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Structural Adequacy for Wind Load

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Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load AlumaView - AV200		
Drawn by: D. Marco		No. P-2621	Sheet 2	Rev A
Checked by: R. Frey				
Date: 05/05/2026				
ECO: 9454.01				



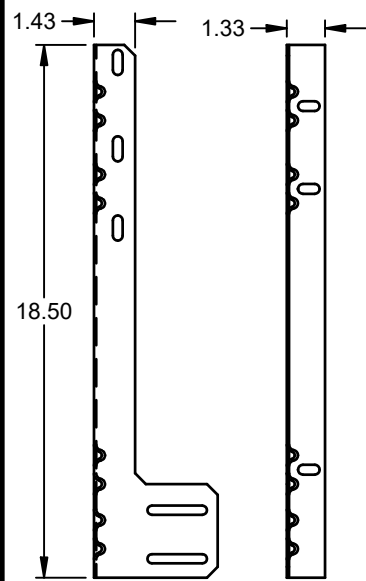
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FBPE CA Lic. No. 35415
Structural Adequacy for Wind Load

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Date: 2026.06.05 16:35:52-05'00'

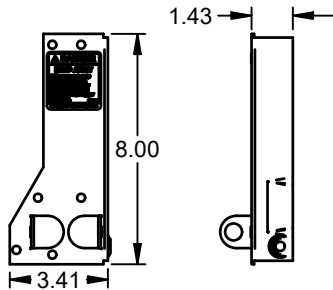
Jamb Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Max Tension Load per fastener (lbs.)	Track Bracket Max. on Center Spacing	Angle Mount Max. on Center Spacing	Clip Angle Max. on Center Spacing
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	893	N/A	36"	24"
	5/16" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	687	N/A	36"	24"
	1/4" x 2-5/8" Screw-Bolt+ with 9/16" OD Washer	2-1/2"	1-1/2"	651	N/A	36"	24"
Steel	5/16" x 1" SAE J78, Min. AISI 1022 with 5/16" Washer	3/16"	1-1/2"	971	N/A	36"	24"
Wood	5/16" x 1-3/4" Lag with 5/16" Washer	1-1/2"	1-1/2"	352	18"	18"	*12"
Grout Filled CMU Block	3/8" Simpson Titen HD	2-3/4"	4"	480	N/A	18"	24"

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

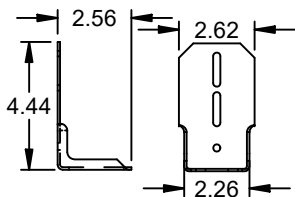
Scale: None	 1101 East River Road Dixon, IL 61021	Title: Spec, Wind Load AlumaView - AV200	
Drawn by: D. Marco		No. P-2621	Sheet 3
Checked by: R. Frey			
Date: 05/05/2026			
ECO: 9454.01		Rev A	



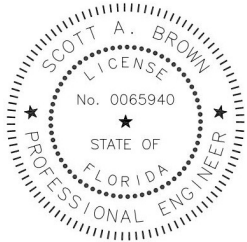
Jamb Angle
.078 Galv. Steel
(14 ga.)



Corner Bracket
.086 Galv. Steel
(13 ga.)



Top Fixture
.085 Galv. Steel
(13 ga.)

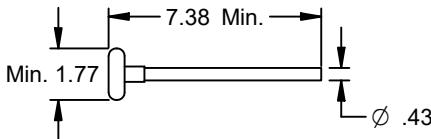


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Structural Adequacy for Wind Load

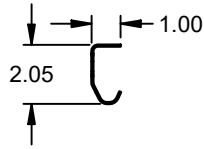
Scott A. Brown
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Date: 2026.06.05 16:36:22-05'00'

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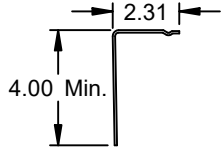
Installation Hardware



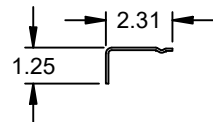
2" Roller
Nylon 11-ball (Std.)
Steel 10-ball (Opt.)



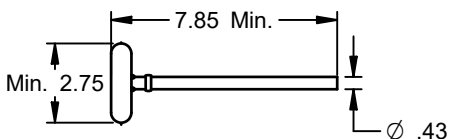
2" Track
.055 Galv. Steel
(16 ga.)



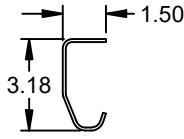
2" Angle Mount (Opt.)
.086 Galv. Steel
(13 ga.)



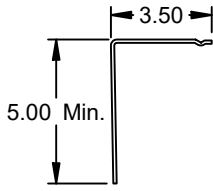
2" Clip Angle (Opt.)
.086 Galv. Steel
(13 ga.)



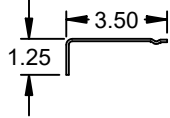
3" Roller
Steel 10-ball (Opt.)



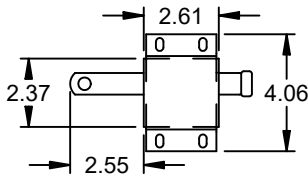
3" Track (Opt.)
.105 Galv. Steel
(12 ga.)



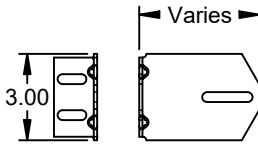
3" Angle Mount (Opt.)
.086 Min. Galv. Steel
(13 ga.)



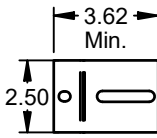
3" Clip Angle (Opt.)
.086 Galv. Steel
(13 ga.)



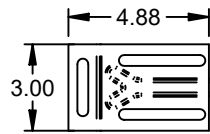
Slide Lock



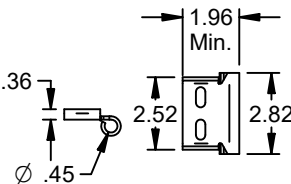
Track Bracket
.116 Galv. Steel
(11 ga.)



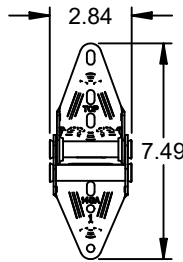
Track Clips (Opt.)
.09 Galv. Steel
(13 ga.)



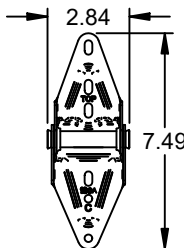
Track Splice Clips (Opt.)
.105 Galv. Steel
(12 ga.)



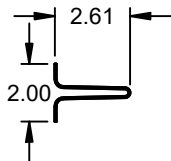
Roller Carrier
.114 Galv. Steel
(11 ga.)



Edge Hinge
.069 min. Galv. Steel
(14 ga.)

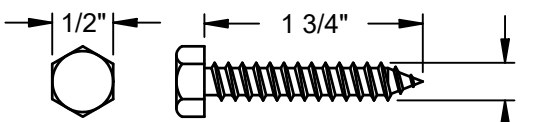


Center Hinge
.045 min. Galv. Steel
(18 ga.)

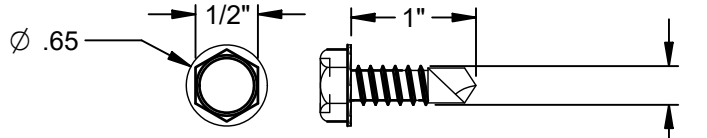


Steel U-bar
18 Ga. (.049 min.)
Galvanized High Tensile Steel
80 KSI Minimum Yield

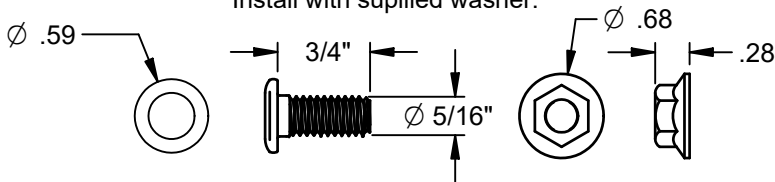
Fasteners & Small Hardware



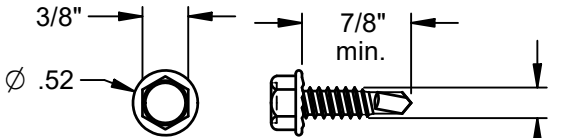
Hex Head Lag Screw
Wood jambs, all jamb attachments.
Install with supplied washer.



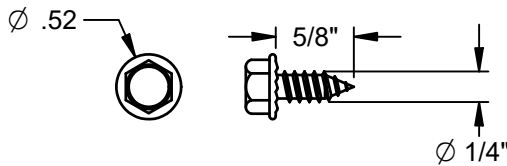
5/16" x 1" Self Drilling Screw
Angle mount & clip angle to steel jambs.
Install with supplied washer.



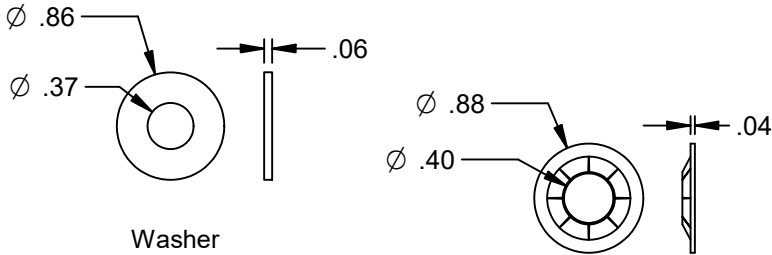
Track Bolt & Serrated Hex Flange Nut
Attach track to jamb attachment with track bolt and hex flange nut. (1) each required per punch.
(2) Track bolts and (2) nuts connect top fixture and roller carrier.



1/4" x 7/8" Self Tapping Screw
Attach hardware to sections.



1/4" x 5/8" Self Tapping Screw
Attach hardware to sections.



Washer
Wood Jambs: (1) per hex head lag
Steel Jambs: (1) per 5/16" x 1"
self-drilling screw.

Retaining Nut
(1) per roller.

Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load AlumaView - AV200		
Drawn by: D. Marco		No. P-2621	Sheet 4	Rev A
Checked by: R. Frey				
Date: 05/05/2026				
ECO: 9454.01				

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