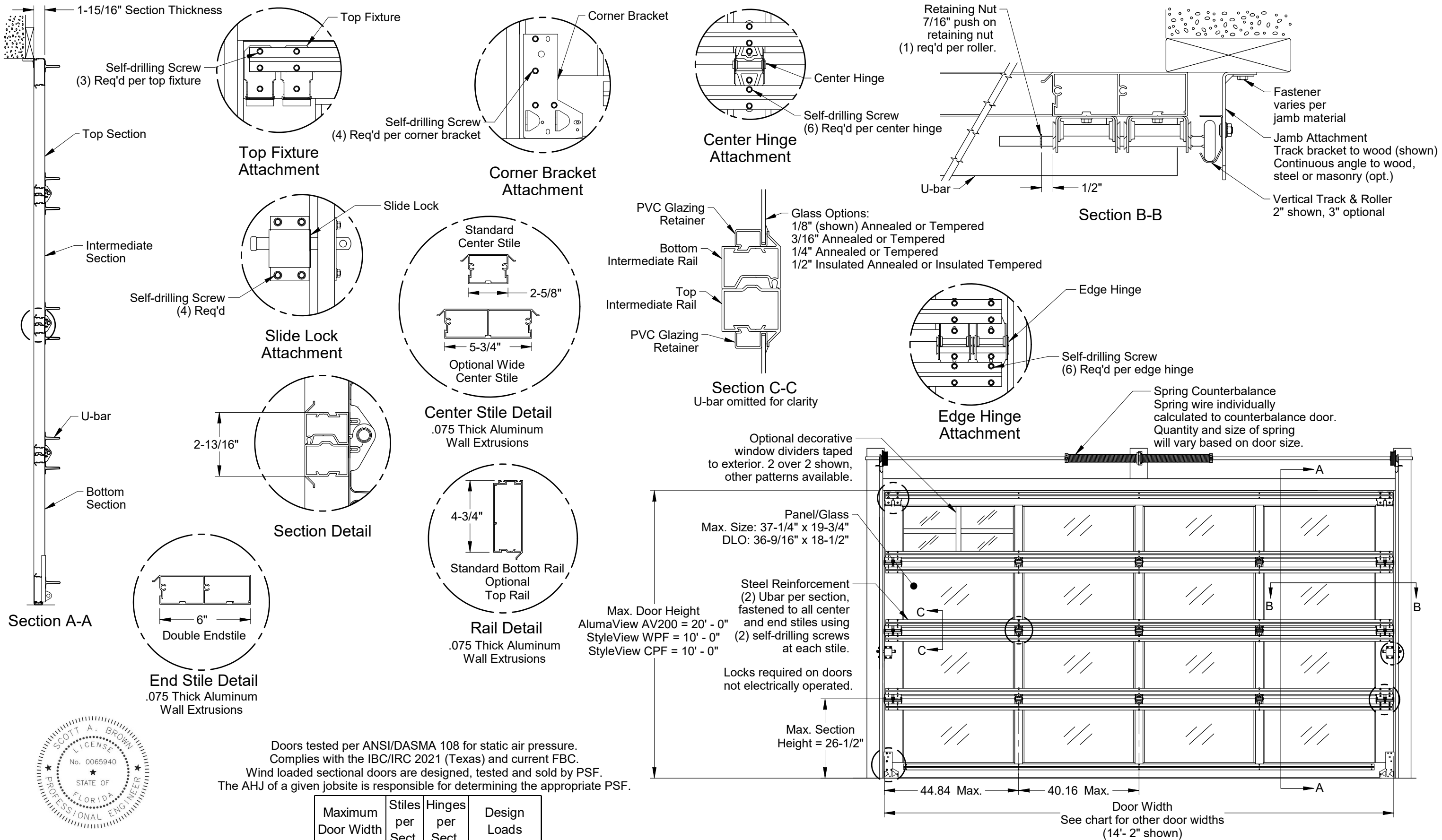


Scott A. Brown, P.E. Lic. No. 65940
Willett, Hofmann & Associates, Inc.
809 E. 2nd Street, Dixon, IL 61021
FBPE CA Lic. No. 35415
Structural Adequacy for Wind Load

Scott A. Brown
Digitally signed by Scott A Brown
Date: 2025.04.23 17:41:19-05'00'

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Maximum Door Width	Stiles per Sect.	Hinges per Sect.	Design Loads	
8'-2"	2	2	50.1	-55.9
9'-2"	2	2		
10'-2"	2	2		
12'-2"	3	3	43.0	-48.0
14'-2"	3	3	33.0	-36.9
16'-2"	4	4		

Rev.	Description	ECO	Date
C	Revised and redrawn	9267.01	04/15/25

Scale: None
Drawn by: Max Kozeal
Checked by: R.Frey
Date: 04/15/25
ECO: 6338.01



Title: Spec, Wind Load AlumaView and StyleView		
No. P-2409	Sheet 1 of 4	Rev C

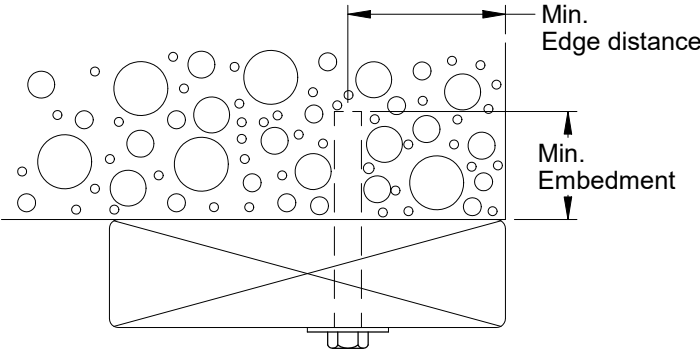
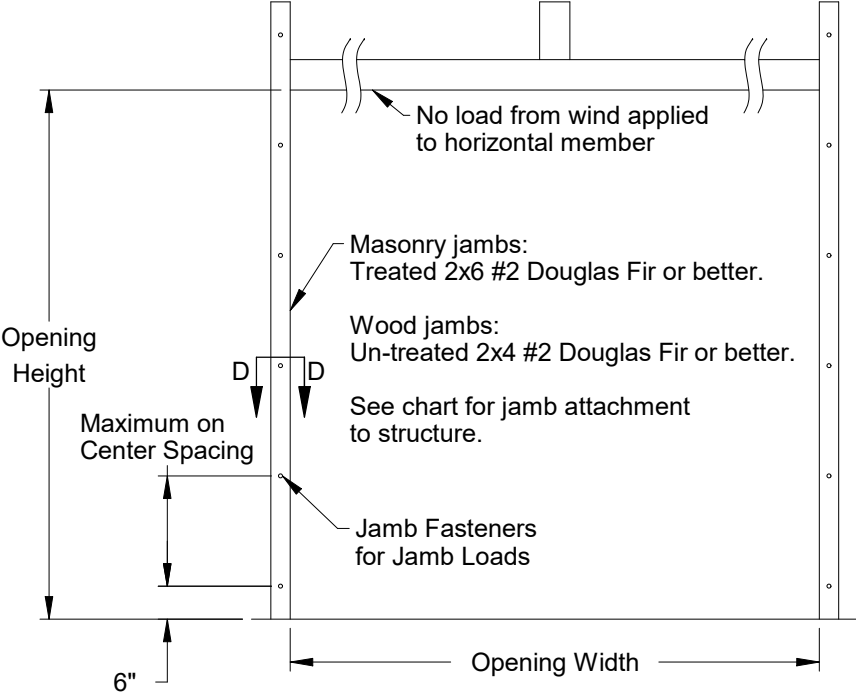
FL#15212

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.

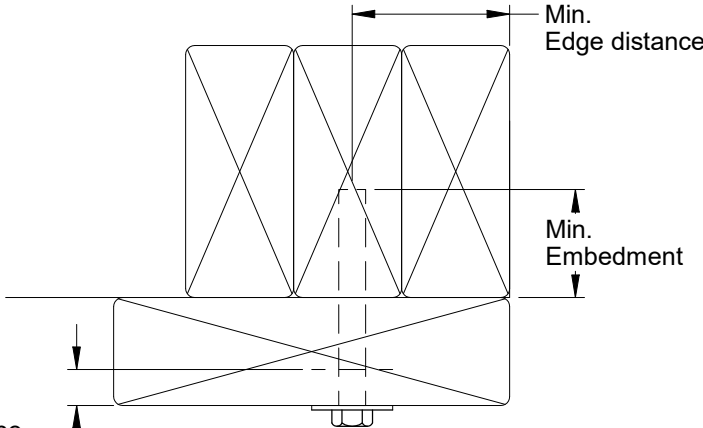
Max. Positive Jamb Load	
(14'-2" x 43.0 PSF) / 2 =	306 lbs. per foot

Max. Negative Jamb Load	
(14'-2" x 48.0 PSF) / 2 =	341 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"	20"	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"	18"	482

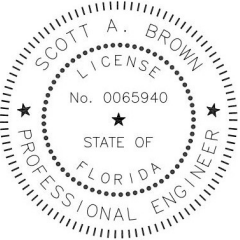


Section D-D
2500 PSI Min. Concrete



Fasteners may be countersunk up to 1/2"

Section D-D
Southern Pine or
Spruce Pine Fir



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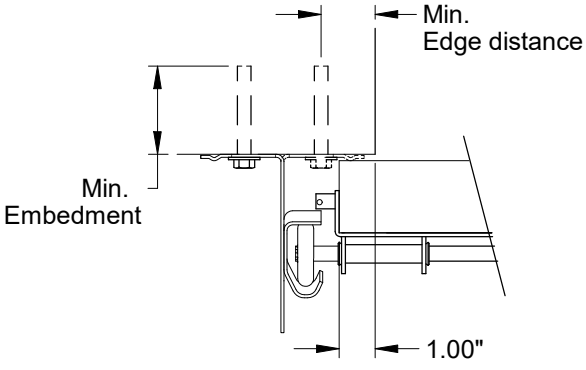
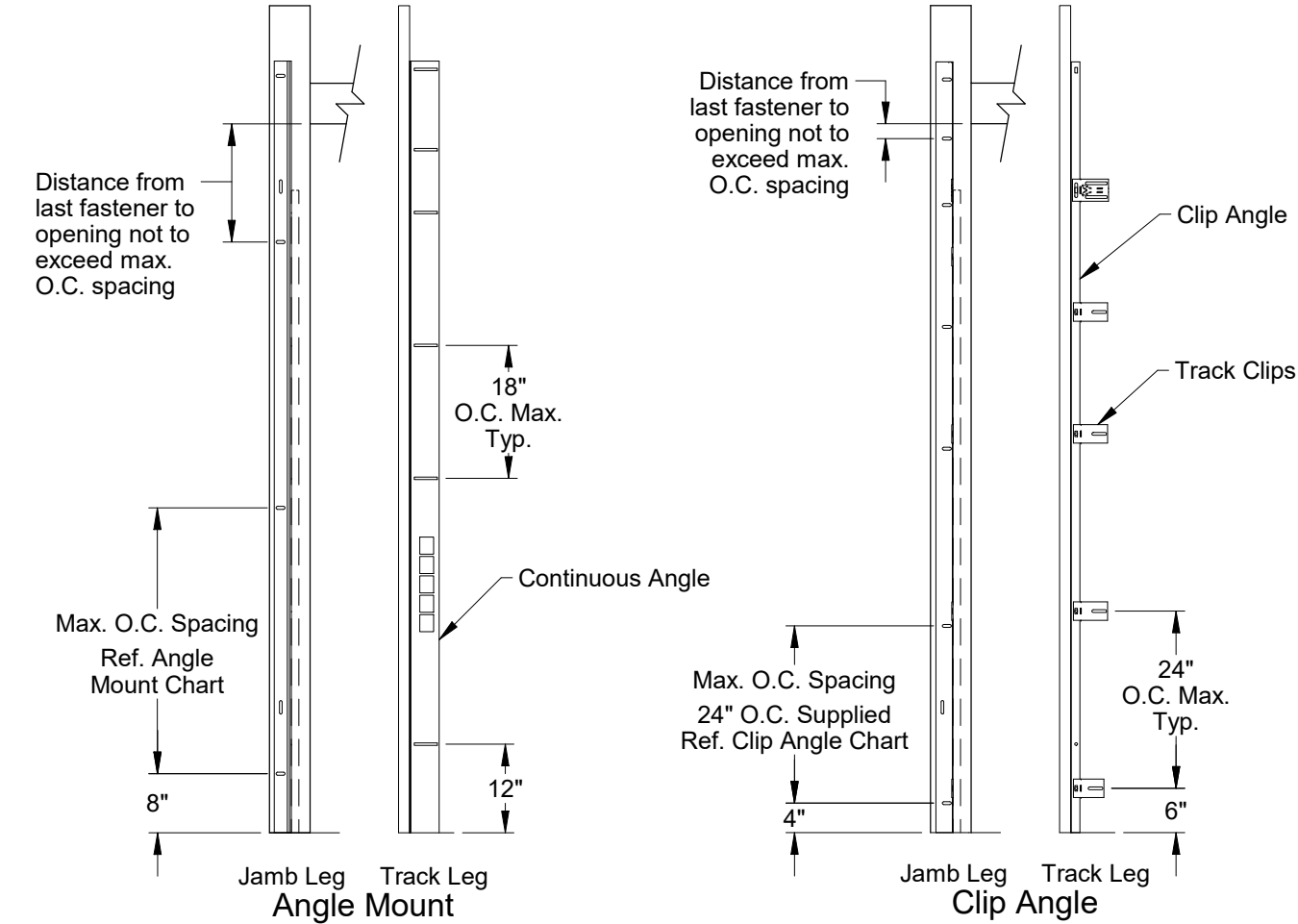
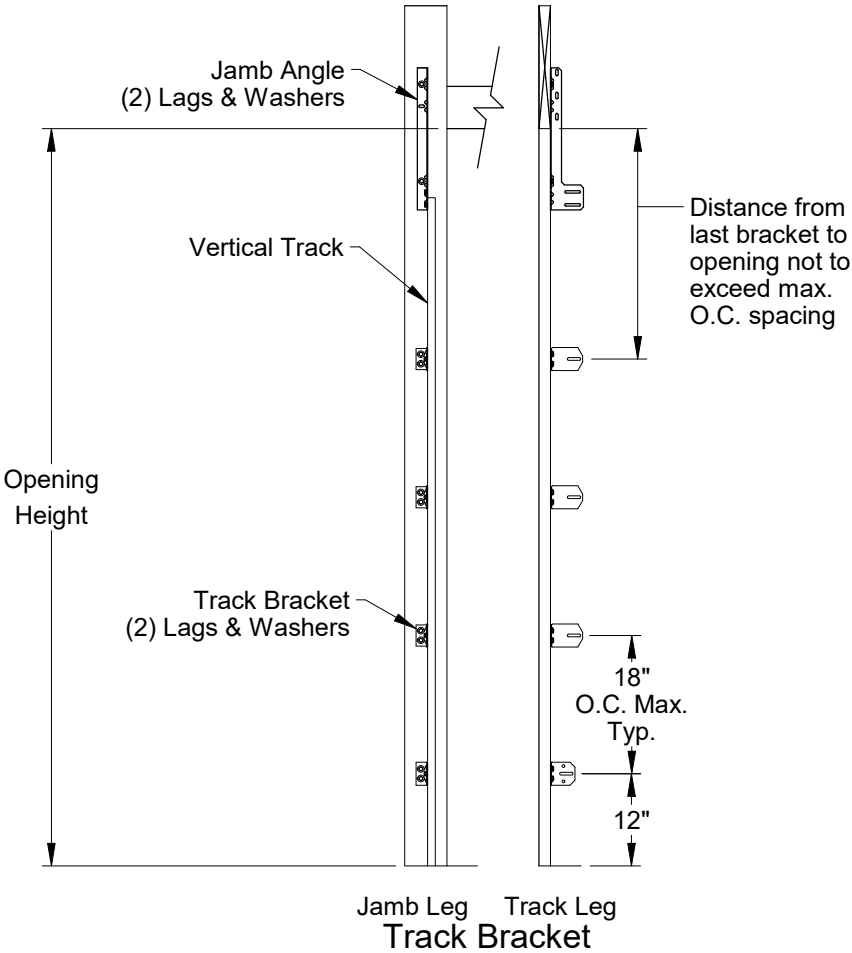
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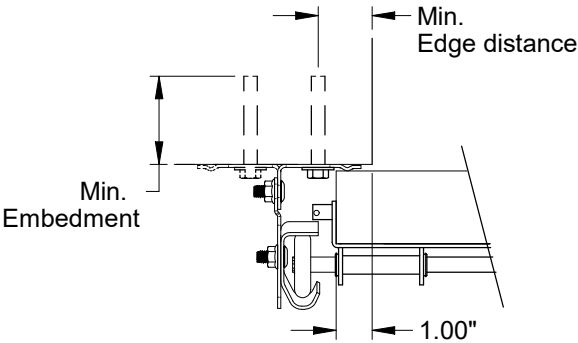
Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load AlumaView and StyleView		
Drawn by: Max Kozeal		No. P-2409	Sheet 2	Rev C
Checked by: R.Frey				
Date: 04/15/25				
ECO: 6338.01				

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

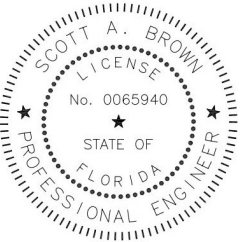
Alternate fasteners may be used if approved by a registered Professional Engineer.
*Field drilling req'd.



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



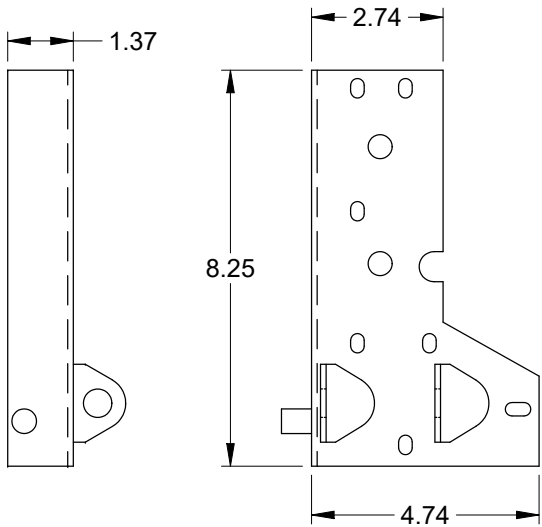
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Structural Adequacy for Wind Load

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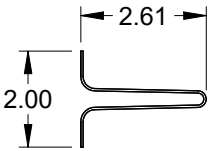
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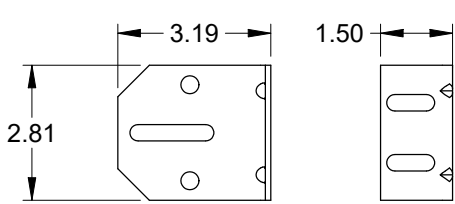
Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load AlumaView and StyleView		
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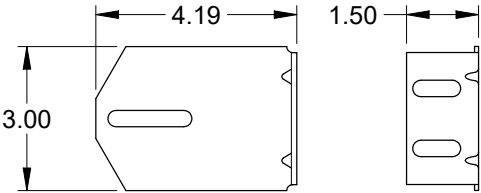
Corner Bracket
(For doors over 600 lbs.)
.116 Galv. Steel



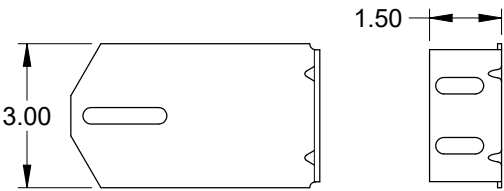
Steel U-bar
18 Ga. (.049 min.) Galvanized
High Tensil Steel
80 KSI Minimum Yield



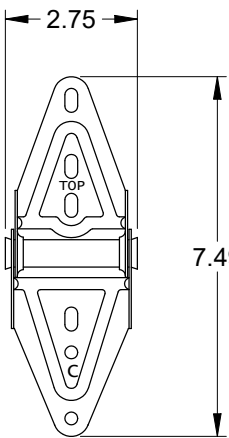
3" Track Bracket
.116 Galv. Steel



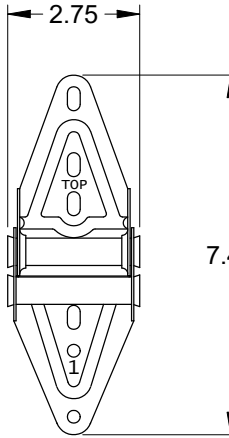
4" Track Bracket
.116 Galv. Steel



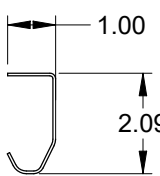
5" Track Bracket
.116 Galv. Steel



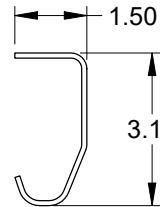
Center Hinge
.045 Galv. Steel



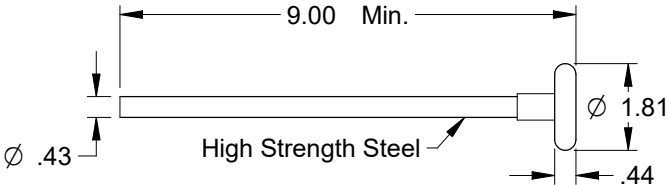
Edge Hinge
.086 Galv. Steel



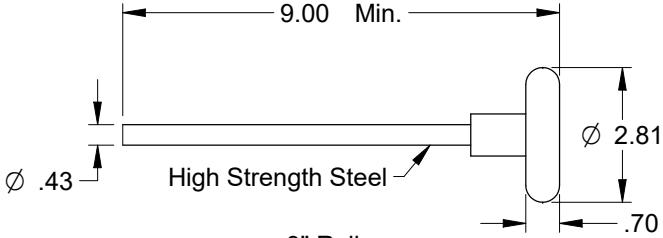
2" Track
.086 Galv. Steel



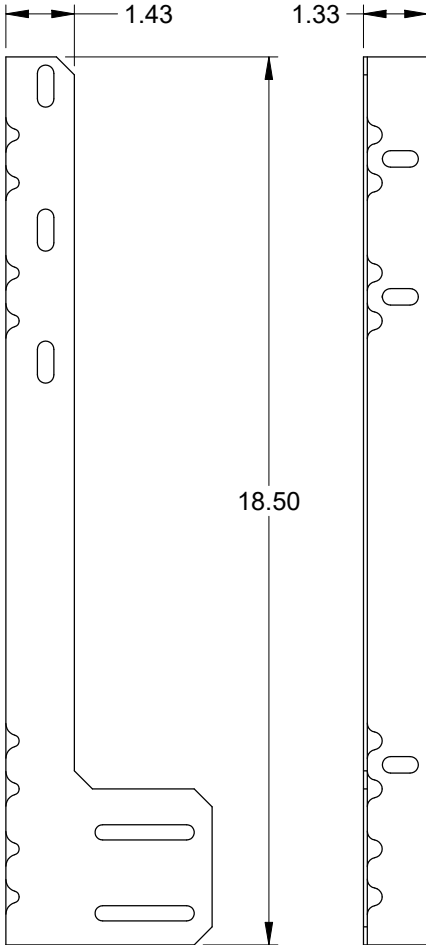
3" Track (Optional)
.105 Galv. Steel



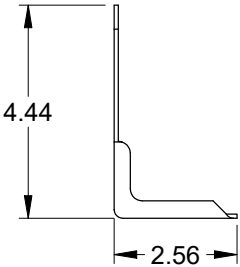
2" Roller
Nylon Precision Bearing (Std.)
Steel 10-ball (Opt.)



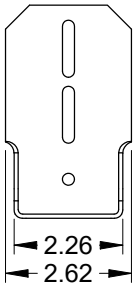
3" Roller
Steel Precision Bearing (Opt.)



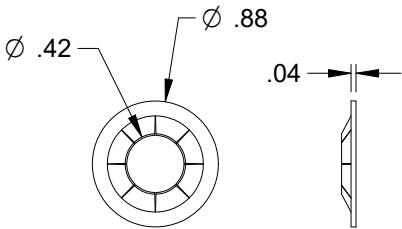
Jamb Angle
.078 Galv. Steel



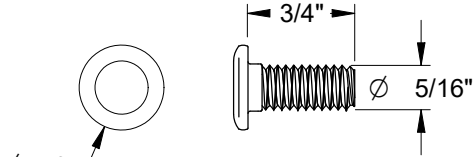
Top Fixture
.086 Galv. Steel



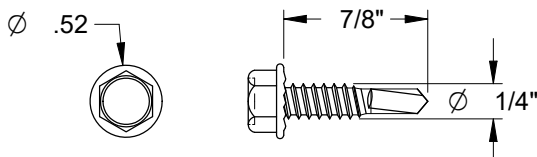
Roller Carrier
.116 Galv. Steel
Attached to Top Fixture
w/(2) Track Bolts and Whiz Nuts



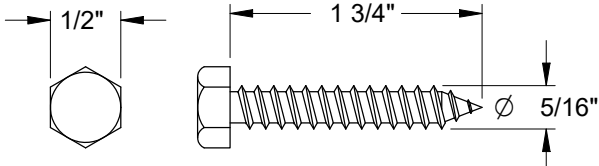
Retaining Nut



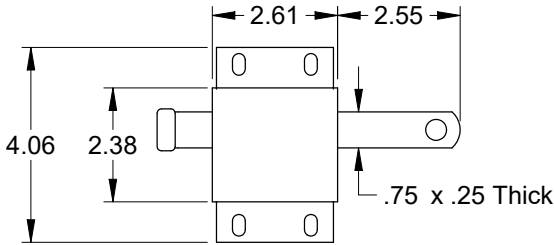
Track Bolt



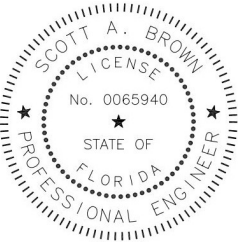
Self-Drilling Screw



Hex Head Lag Screw



Slide Lock
Case .086 Galv. Steel



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ECO: 6338.01	No. P-2409			Sheet 4	Rev C