

Interior Elevation
Doors tested per
ANSI/DASMA 108 for static air pressure
ANSI/DASMA 115 for large missile impact and
cyclic wind pressure

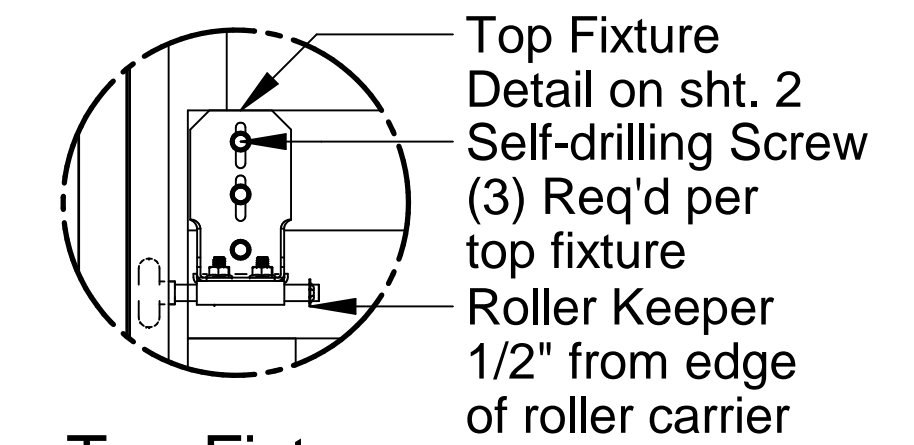
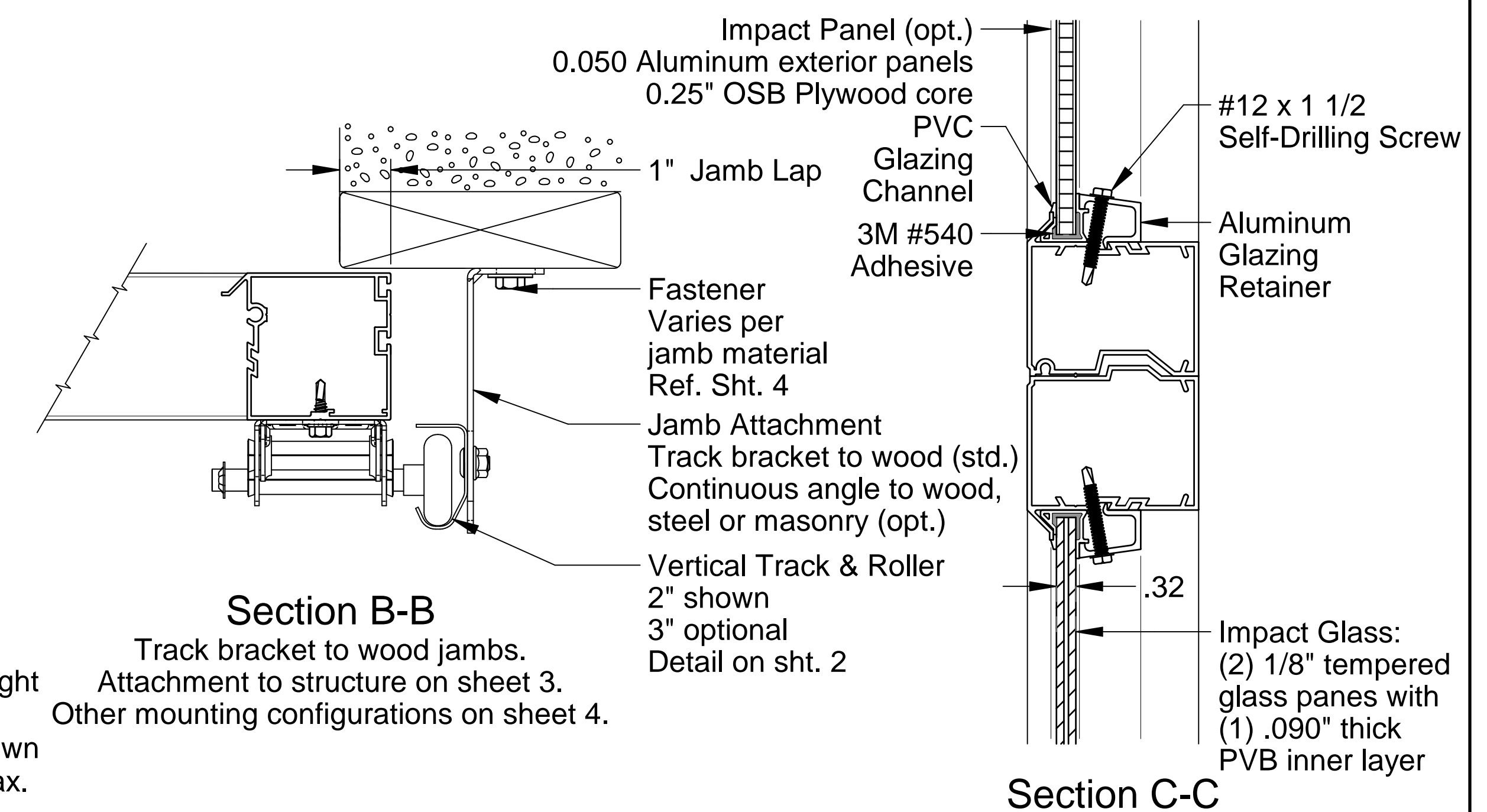
AV300				
Max. Opening Width	Max. Section Width	Stiles	Design Load	
12'-0"	12'-2"	2	45.9	-51.9

Wind loaded sectional doors are designed, tested, and sold by PSF.
The AHJ of a given jobsite is responsible for determining the appropriate PSF.
Complies with the Wind Load requirements of the IBC/IRC 2018

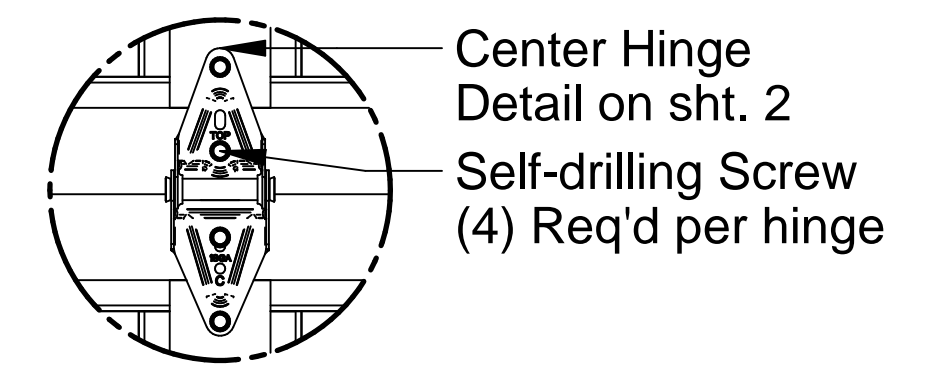


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Structural Adequacy for Wind Load

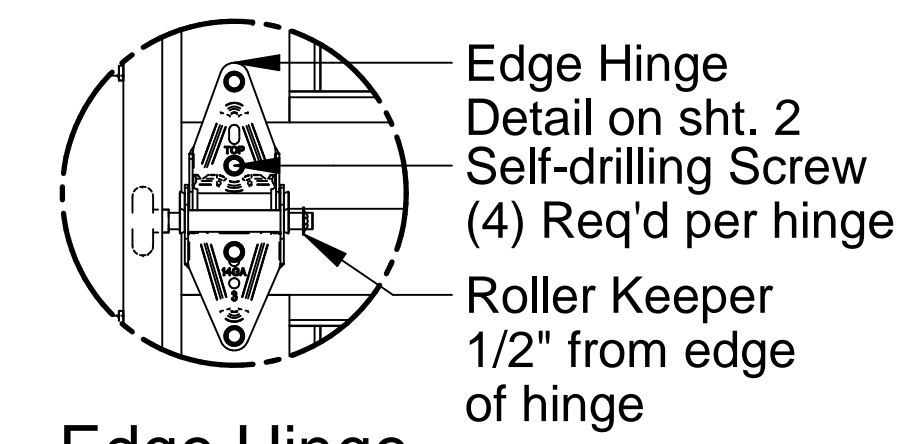
Section A-A



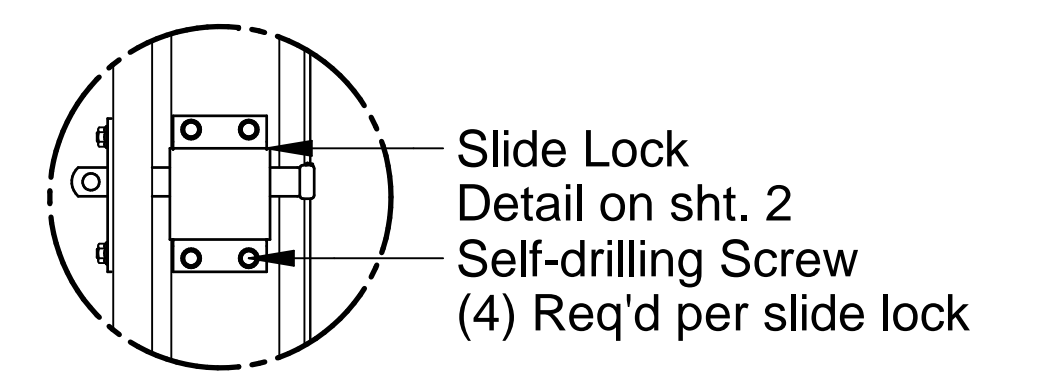
Top Fixture Attachment



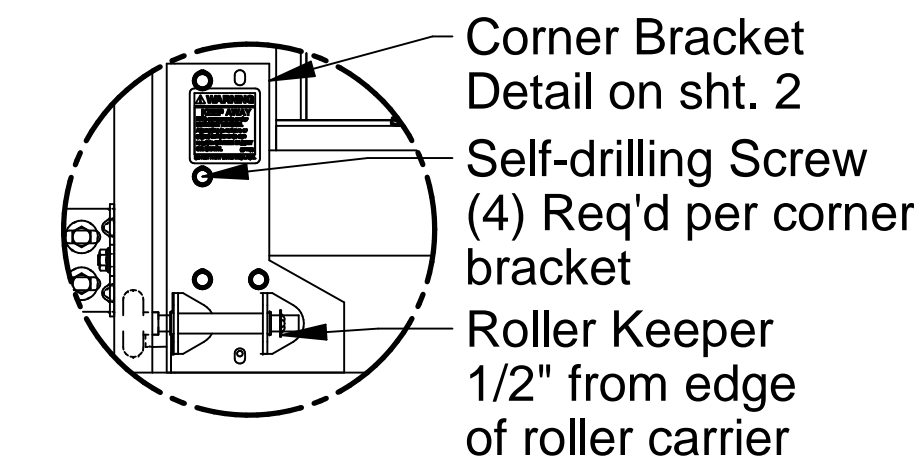
Center Hinge Attachment



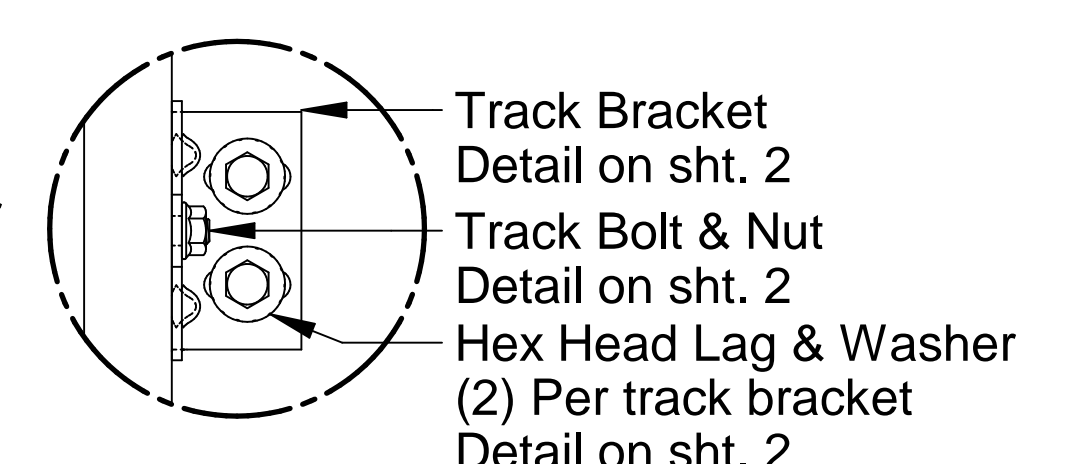
Edge Hinge Attachment



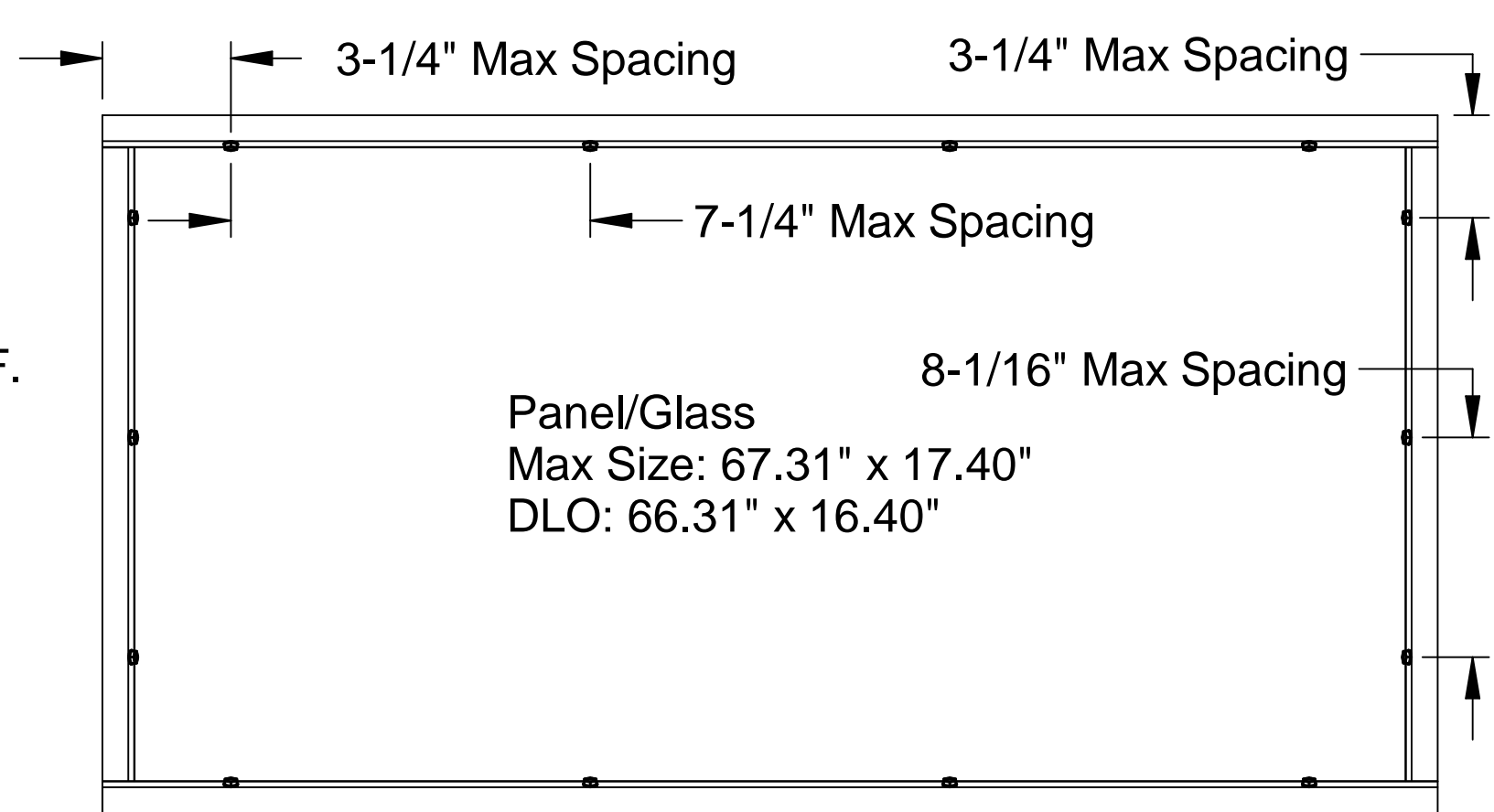
Slide Lock Attachment



Corner Bracket Attachment



Track Bracket Attachment
Alternative mounting details on sht. 4

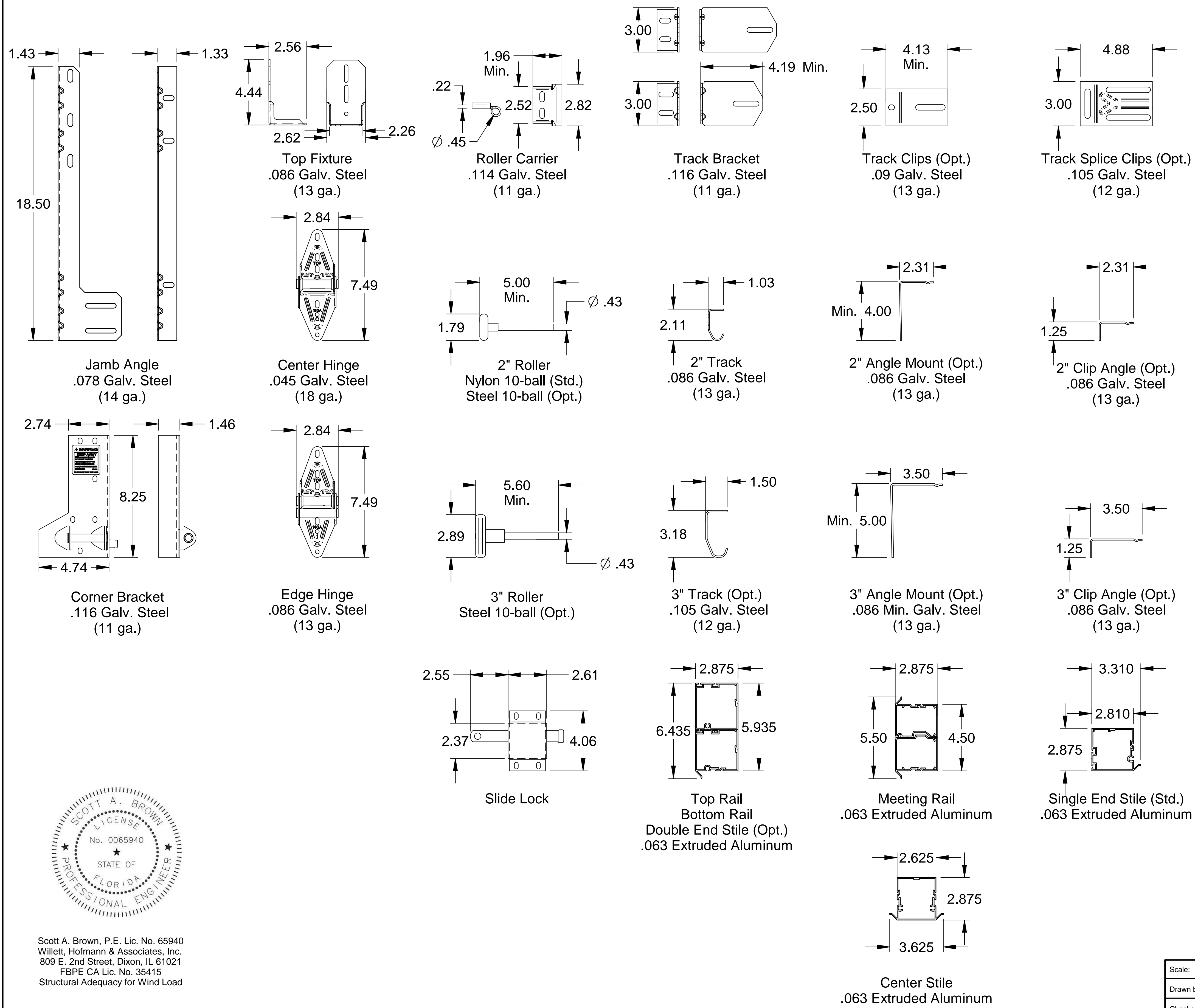


Aluminum Glazing Retainer Screw Placement

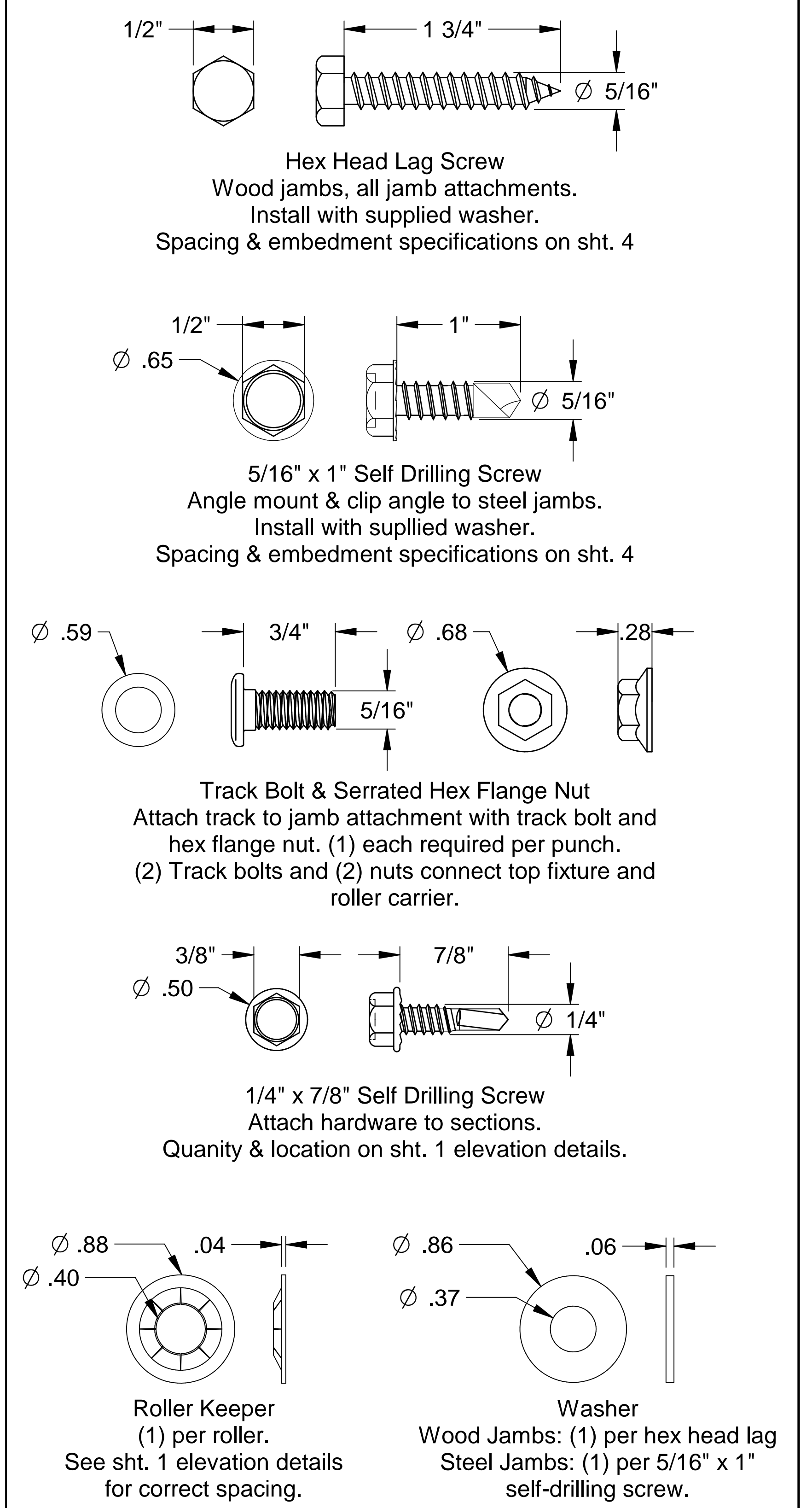
FL#16225

Scale: None	<p>1101 East River Road Dixon, IL 61021</p>	Title: Spec, Wind Load AV300									
Drawn by: J. Poitras		No. P-3353	Sheet 1 of 4								
Checked by: R. Frey				Rev A							
<table border="1"> <tr> <th>Rev.</th> <th>Description</th> <th>ECO</th> <th>Date</th> </tr> <tr> <td>A</td> <td>New release for production.</td> <td>8919.01</td> <td>08/10/23</td> </tr> </table>	Rev.	Description	ECO	Date	A	New release for production.	8919.01	08/10/23	Date: 08/10/23	ECO: 8919.01	
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A	New release for production.	8919.01	08/10/23								

Installation Hardware



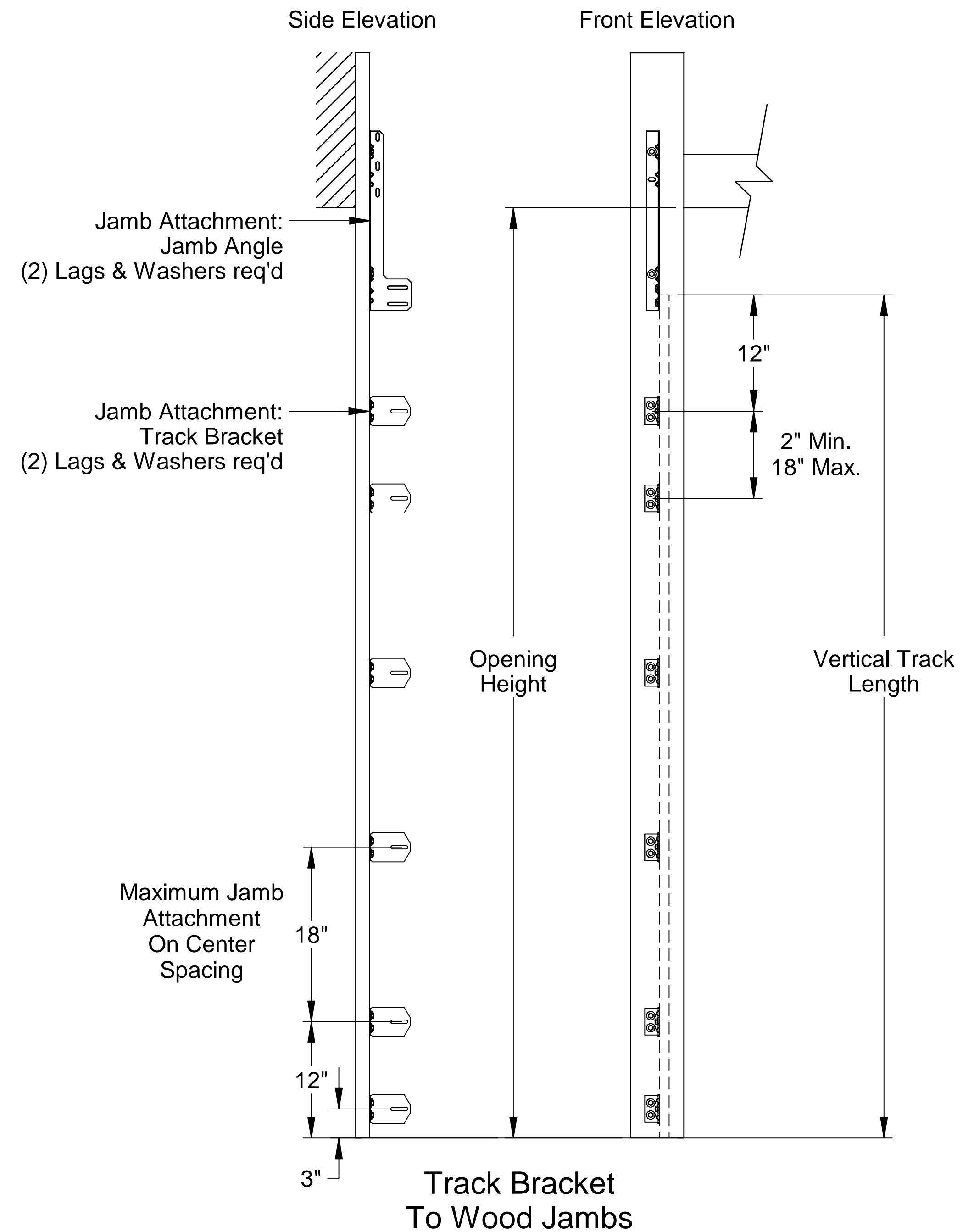
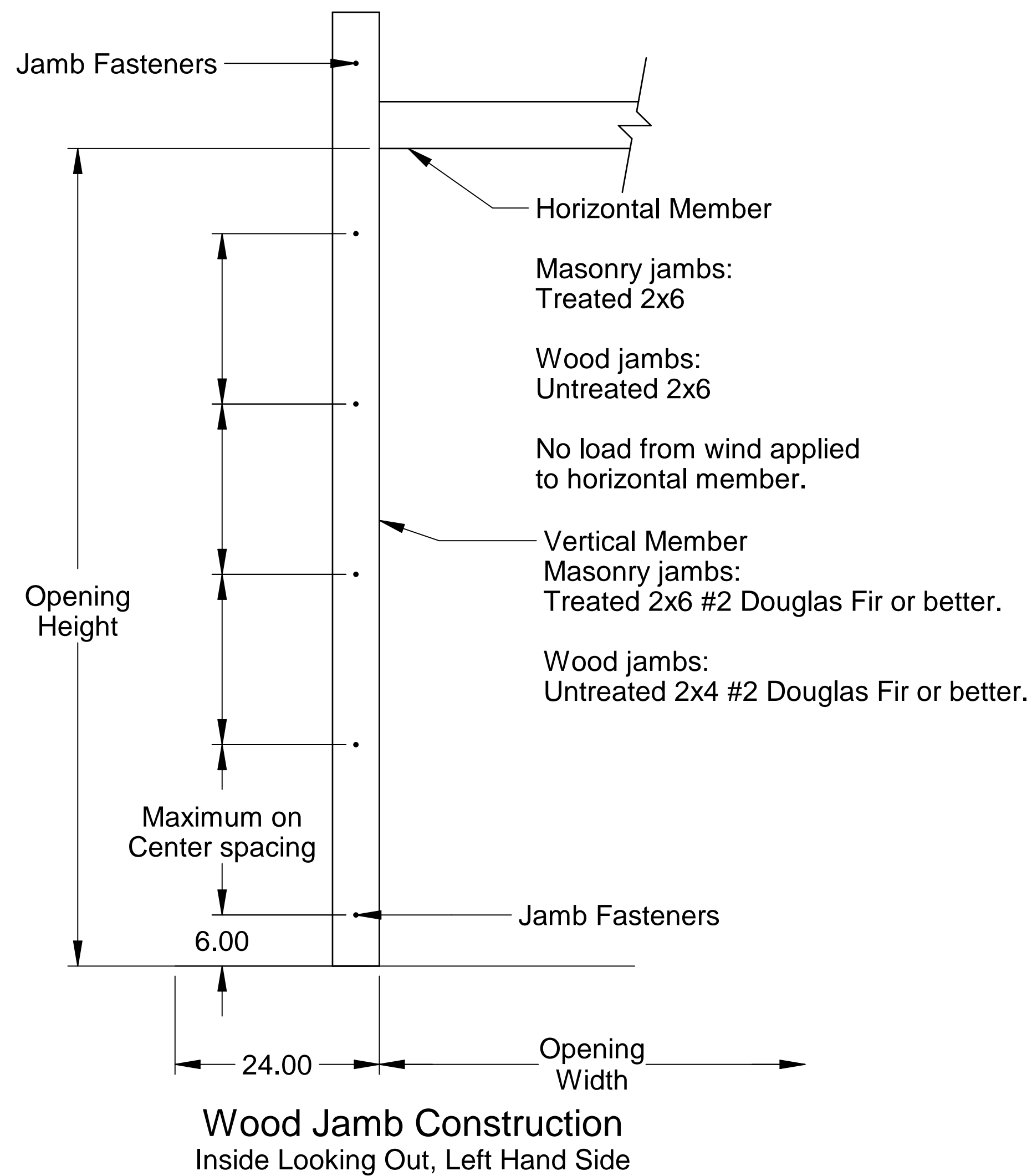
Fasteners & Small Hardware



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

Scale: None	 1101 East River Road Dixon, IL 61021	Title: Spec, Wind Load AV300	
Drawn by: J. Poitras		No. P-3353	Sheet 2
Checked by: R. Frey			Rev A
Date: 08/10/23		ECO: 8919.01	



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



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1. Maximum Positive Load per Jamb = $(12'-2" \times 45.9 \text{ PSF}) / 2 = 280 \text{ lbs. per foot.}$
2. Maximum Negative Load per Jamb = $(12'-2" \times -51.9 \text{ PSF}) / 2 = 317 \text{ lbs. per foot.}$
3. Negative pressure assumes door has 2-feet of width in building's end zone. See DASMA Technical Data Sheets TDS-155v, -155x.
4. 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.
5. 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.
6. 3/8" diameter lag screws required 1/4" pilot hole and 1-1/2" minimum required distance.
7. Masonry fasteners by others.
8. Garage doors evaluated as attached to enclosed buildings.
9. Garage doors evaluated as components and cladding.

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Date: 08/10/23		ECO: 8919.01	

