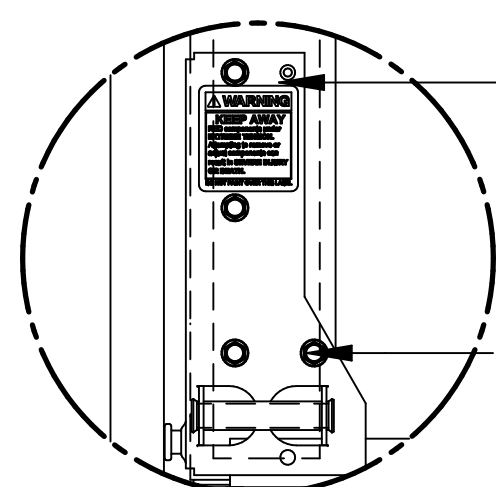
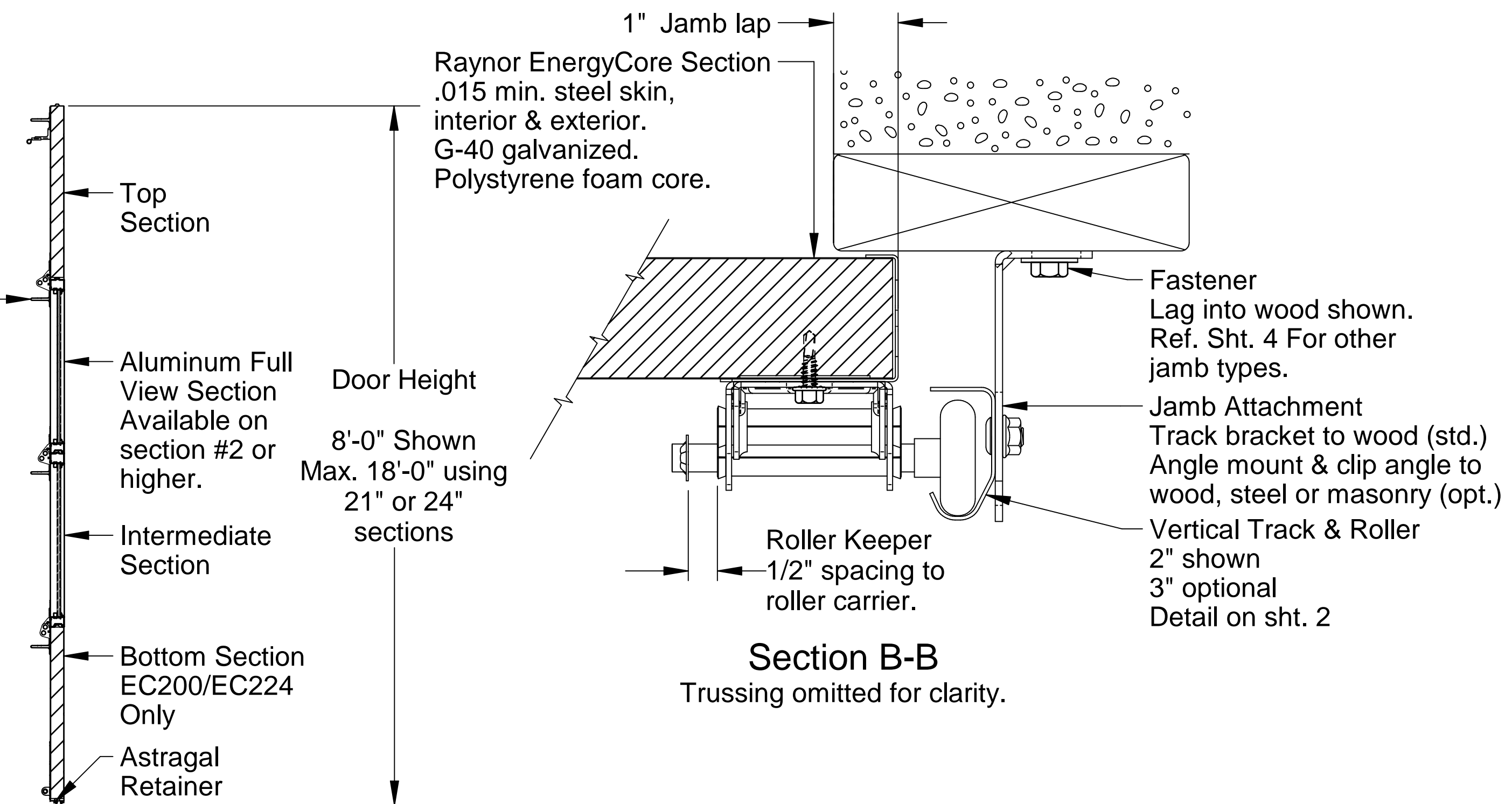


**Interior Elevation**

Shown with two aluminum full view sections. One full view section minimum.  
Full view sections available on every section except bottom section.

Ubar, 20 ga  
One per section,  
top of the section.  
(2) Self-drilling  
screws per hinge  
location.

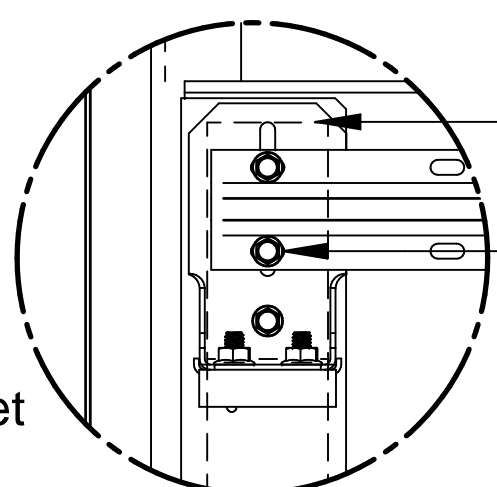
**Section A-A**



**Corner Bracket Attachment**

Corner Bracket  
Detail on sht. 2

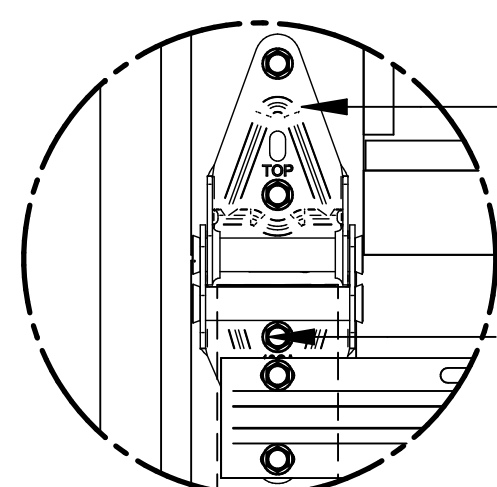
Self-tapping Screw  
(4) per corner bracket



**Top Fixture Attachment**

Top Fixture  
Detail on sht. 2

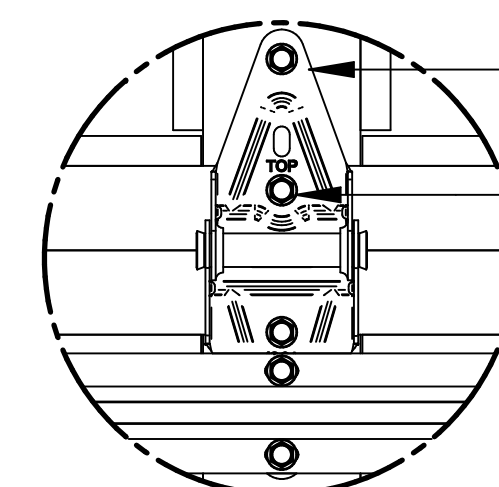
Self-tapping Screw  
(3) per top fixture



**Edge Hinge Attachment**

Edge Hinge  
Detail on sht. 2

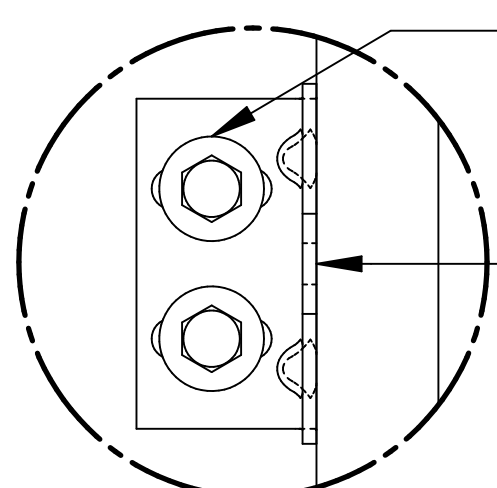
Self-tapping Screw  
(5) per edge hinge



**Center Hinge Attachment**

Center Hinge  
Detail on sht. 2

Self-tapping Screw  
(5) per center hinge

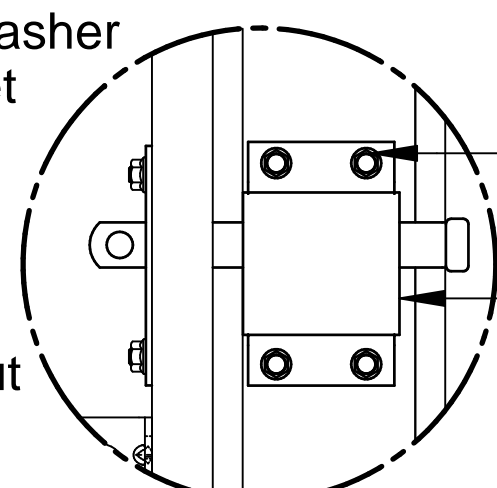


**Track Bracket Attachment**

Alternate mounting  
details on sht. 4

Hex Head Lag & Washer  
(2) Per track bracket  
Detail on sht. 2

Track Bracket  
Attached to track  
with track bolt & nut  
Detail on sht. 2

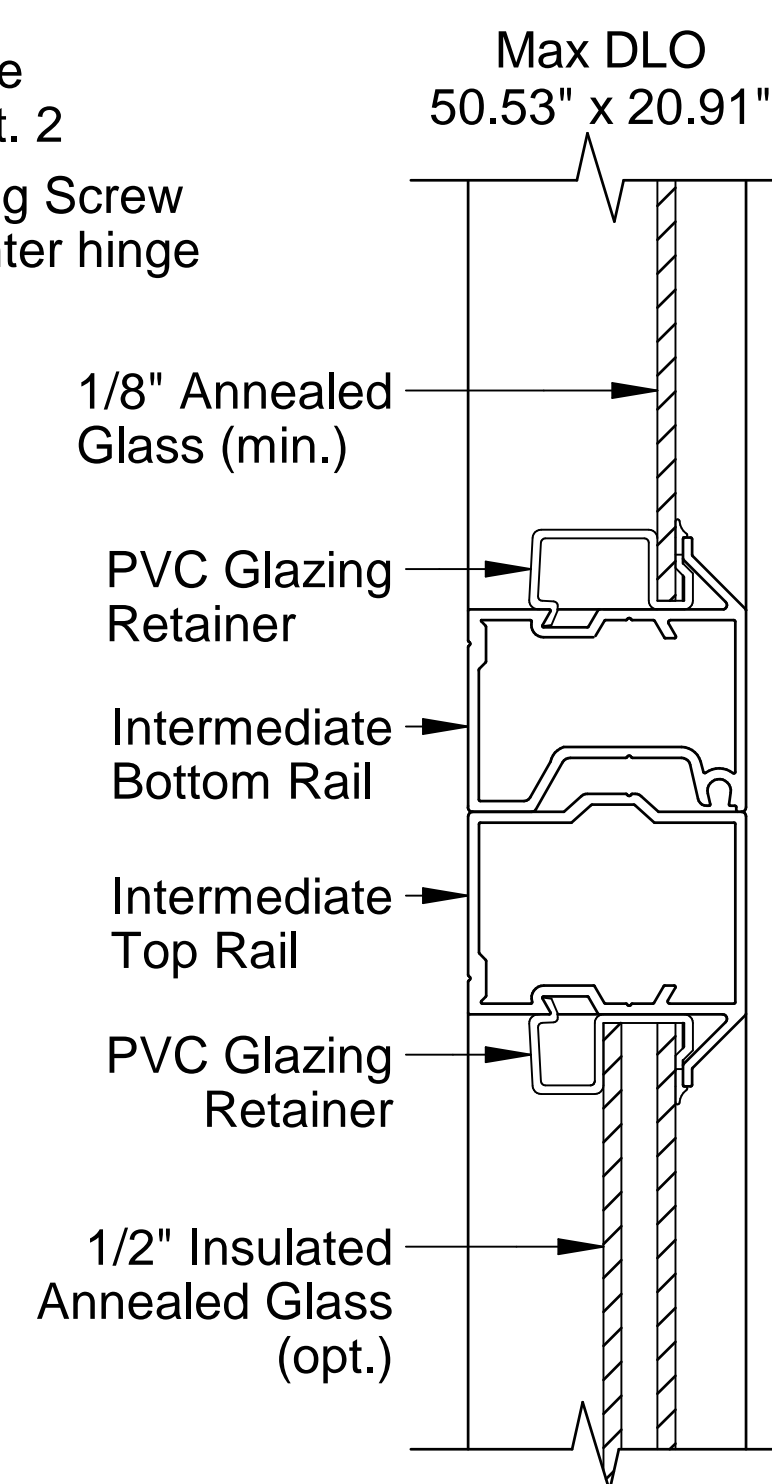


**Slide Lock Attachment**

Required on doors  
without operators.

Self-drilling Screw  
(4) Per slide lock

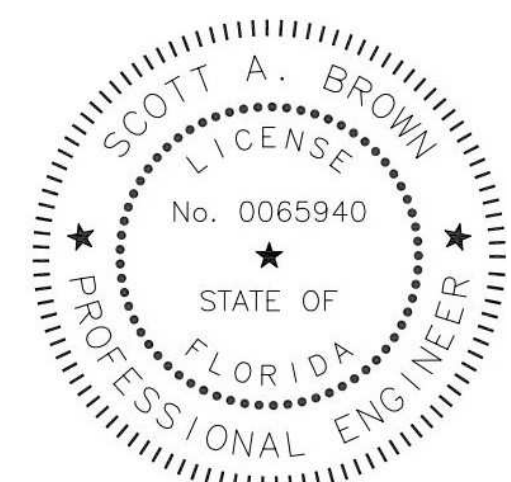
Slide Lock  
Detail on sht. 2



**Section C-C**

Doors tested per  
ANSI/DASMA 108 for static air pressure

EC200 / EC224				
Max. Section Width	Max. Opening Width	Stiles	Design Load	
8'-2"	8'-0"	1	31.2	-36.9
9'-2"	9'-0"		27.7	-32.8
10'-2"	10'-0"	2	21.0	-23.8
12'-2"	12'-0"		17.5	-19.8
14'-2"	14'-0"	3	11.9	-13.3
16'-2"	16'-0"		10.4	-11.6



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

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 2021

Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

Scale: None			
Drawn by: J. Poitras			
Checked by: R. Frey			
Date: 02/29/24			
ECO: 8937.01			
Rev.	Description	ECO	Date
A	New release for production.	8937.01	02/29/24

RAYNOR

1101 East River Road  
Dixon, IL 61021

Title: Spec, Wind Load Raynor EnergyCore

No. P-2608

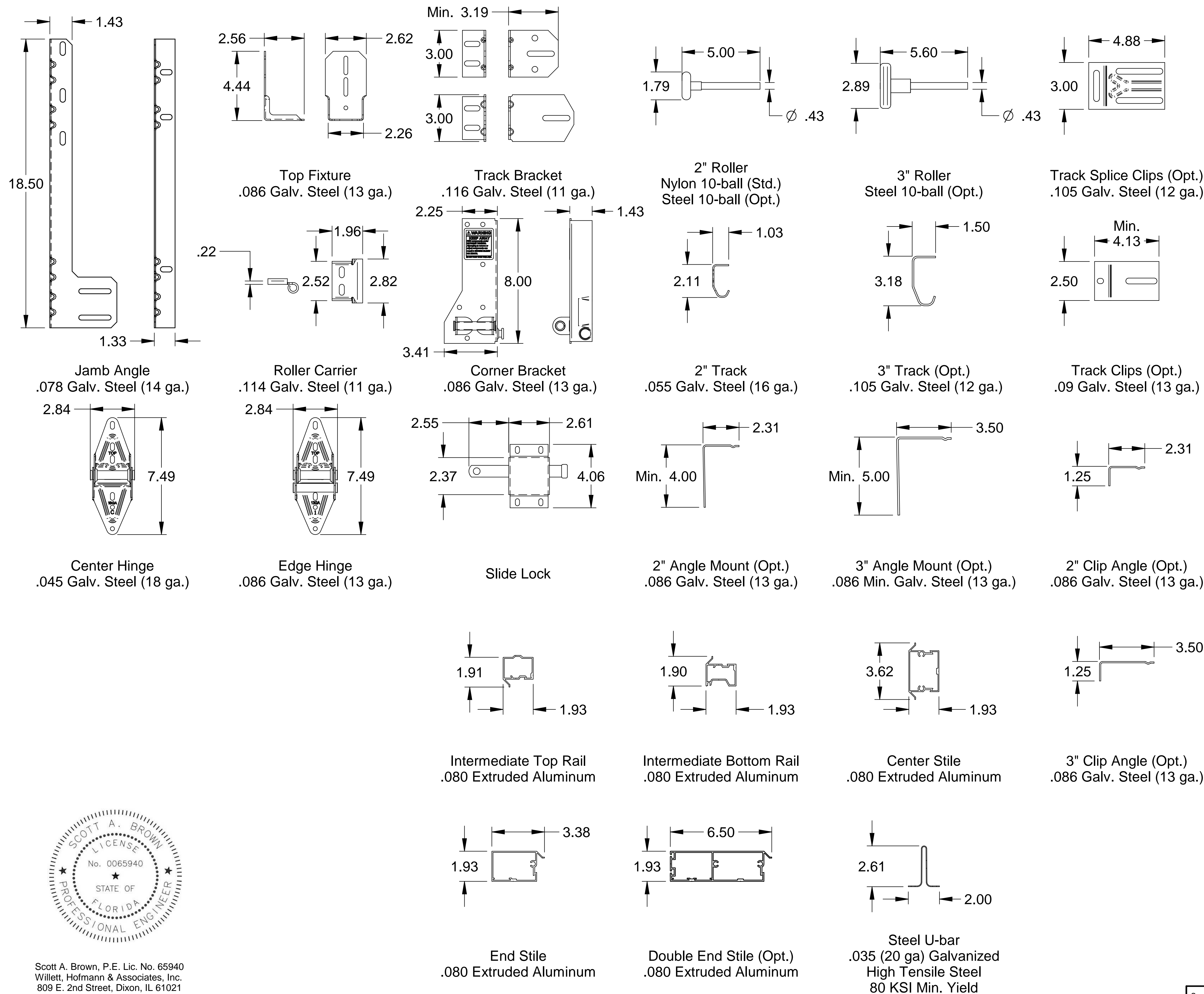
Sheet 1 of 4

Rev A

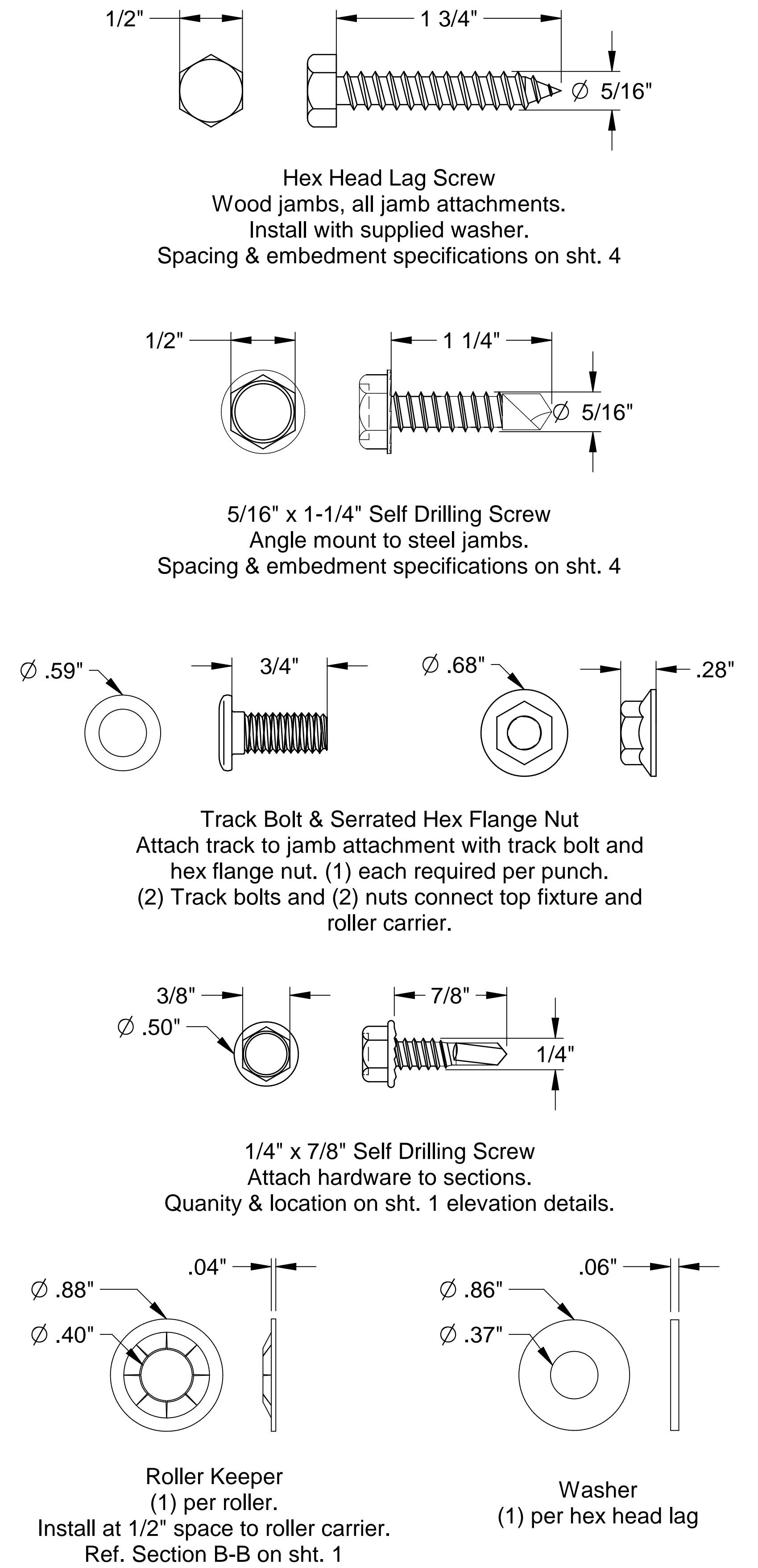
FL#20374



Installation Hardware

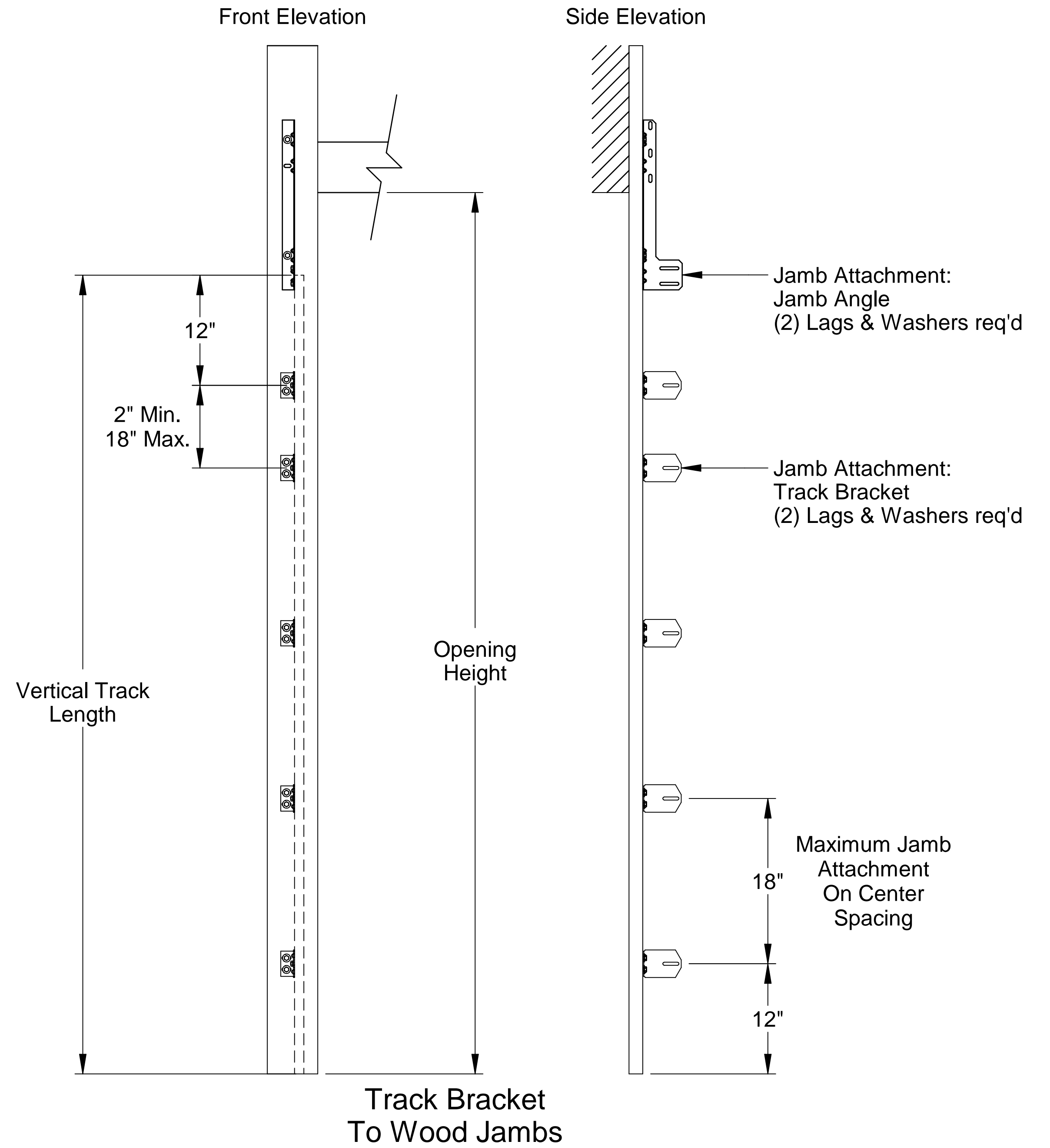
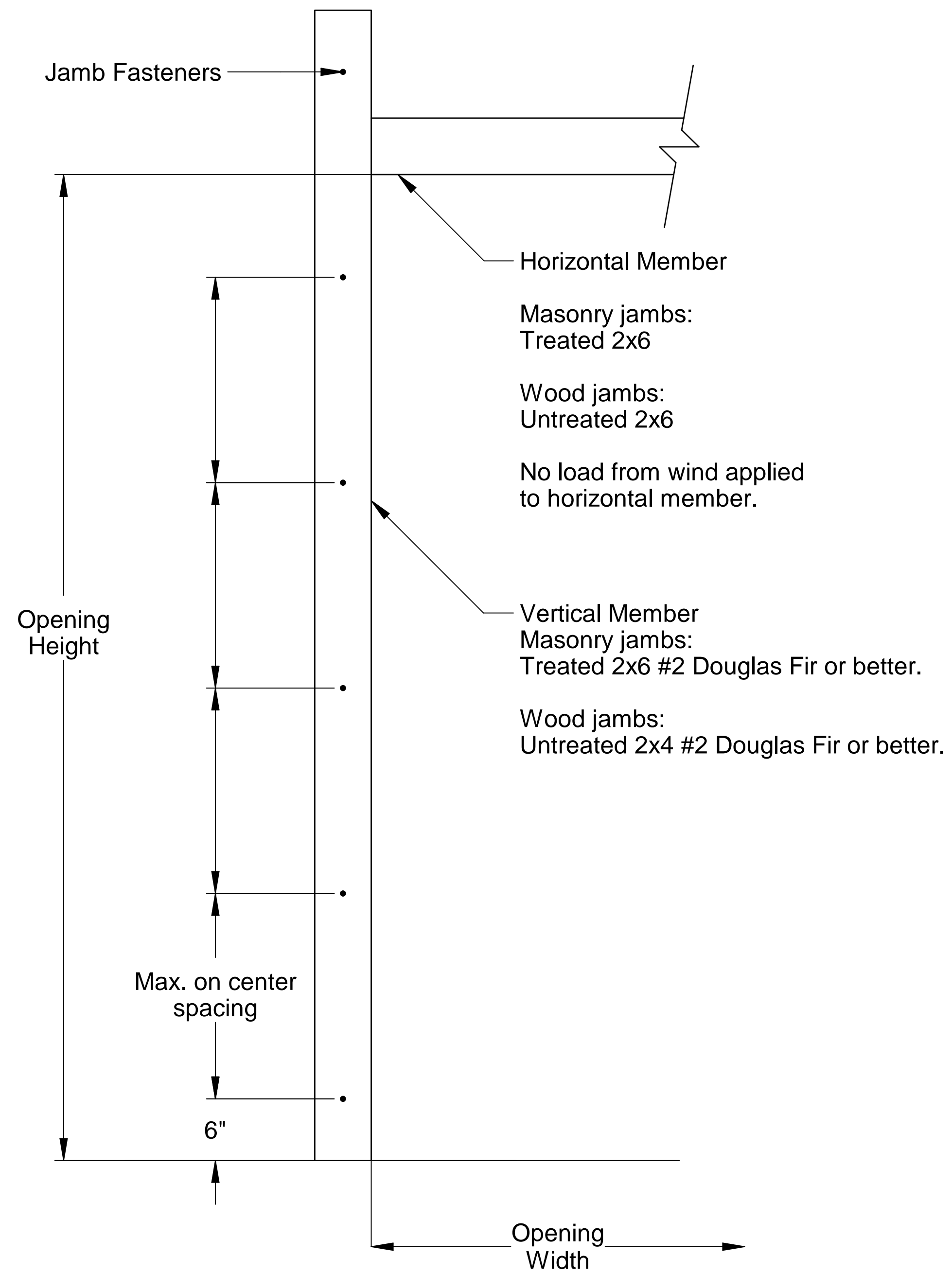


Fasteners & Small Hardware



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

Scale: None	 1101 East River Road Dixon, IL 61021	Title: Spec, Wind Load Raynor EnergyCore	
Drawn by: J. Poitras		No. P-2608	Sheet 2
Checked by: R. Frey			Rev A
Date: 02/29/24		ECO: 8937.01	



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"	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

1. Maximum Positive Load per Jamb = (8'-2" x 31.2 PSF) / 2 = 128 lbs. per foot.
2. Maximum Negative Load per Jamb = (8'-2" x -36.9 PSF) / 2 = 151 lbs. per foot.
3. 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.
4. 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.
5. 3/8" diameter lag screws required 1/4" pilot hole and 1-1/2" minimum required distance.
6. Masonry fasteners by others.
7. Garage doors evaluated as attached to enclosed buildings.
8. Garage doors evaluated as components and cladding.

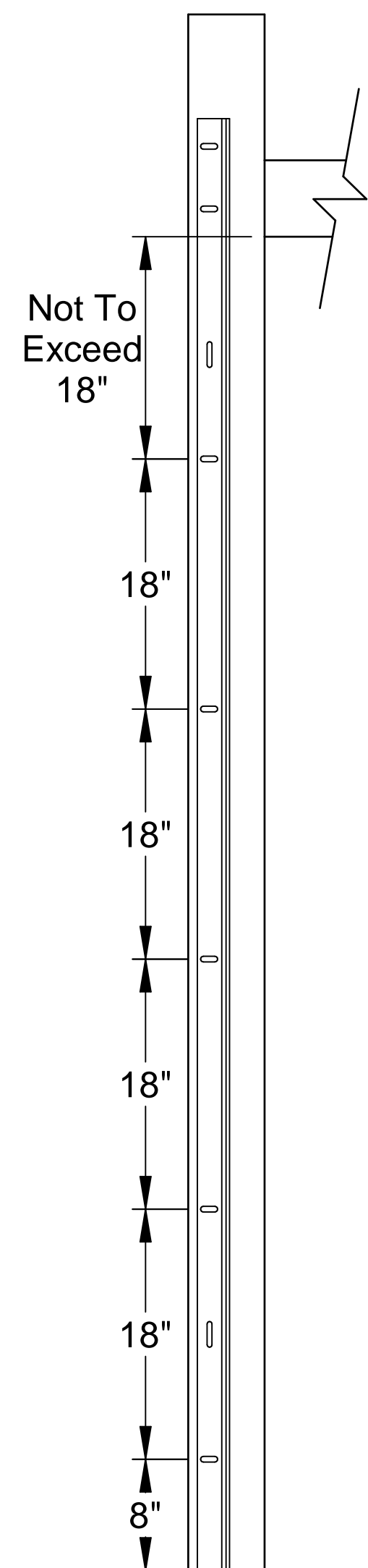


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 Willett, Hofmann & Associates, Inc.  
 809 E. 2nd Street, Dixon, IL 61021  
 FBPE CA Lic. No. 35415  
 Structural Adequacy for Wind Load

Scale: None	<p>1101 East River Road Dixon, IL 61021</p>	Title: Spec, Wind Load Raynor EnergyCore	
Drawn by: J. Poitras		No. P-2608	Sheet 3
Checked by: R. Frey			Rev A
Date: 02/29/24		ECO: 8937.01	

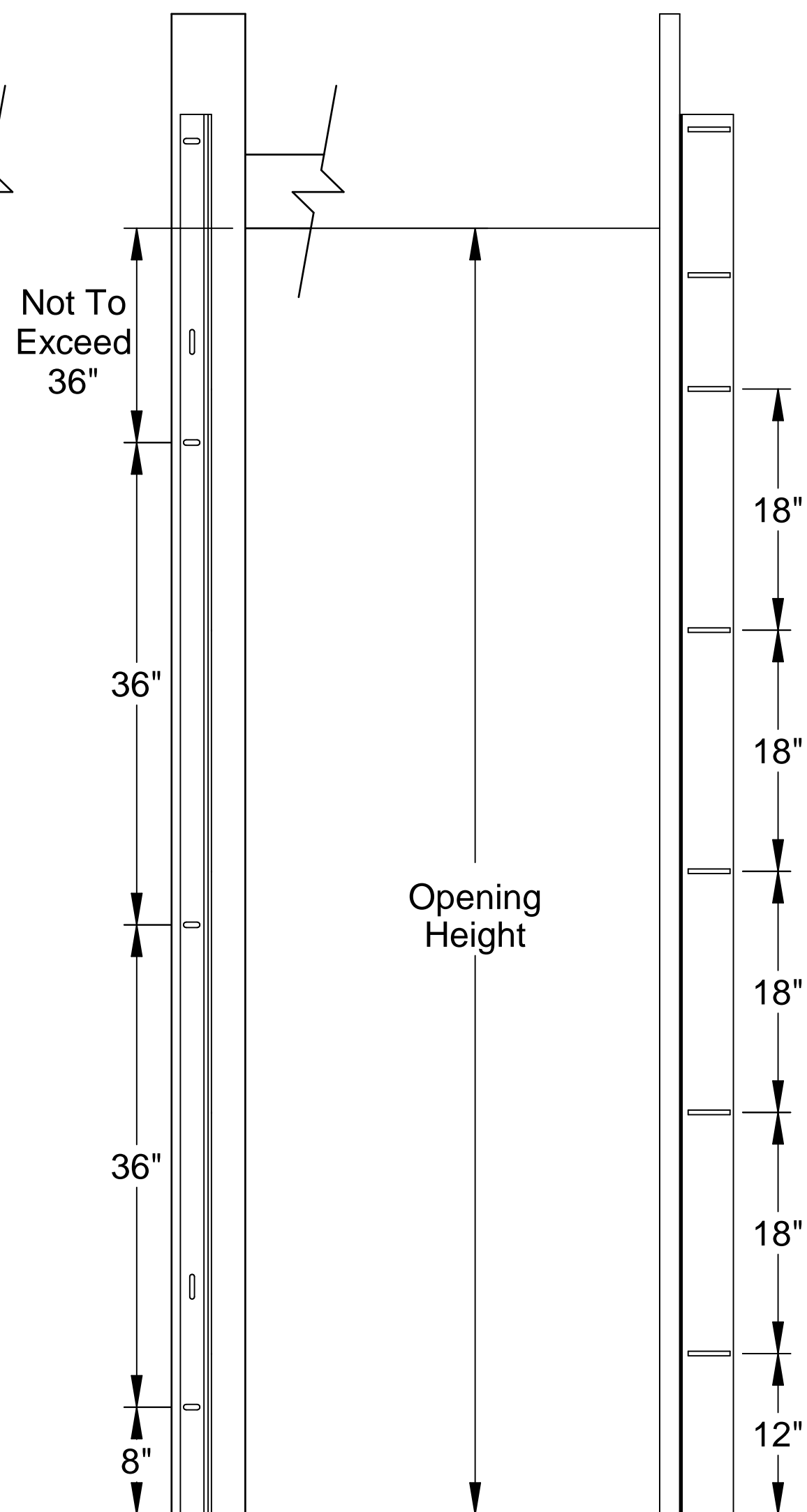


Angle Mount  
to Structure:  
Wall Leg Spacing



Wood Jambs  
18" O.C.

Angle Mount  
to Structure:  
Track Leg Spacing



Steel Jambs  
Masonry Jambs  
36" O.C.

Alternate Fastener  
Charts

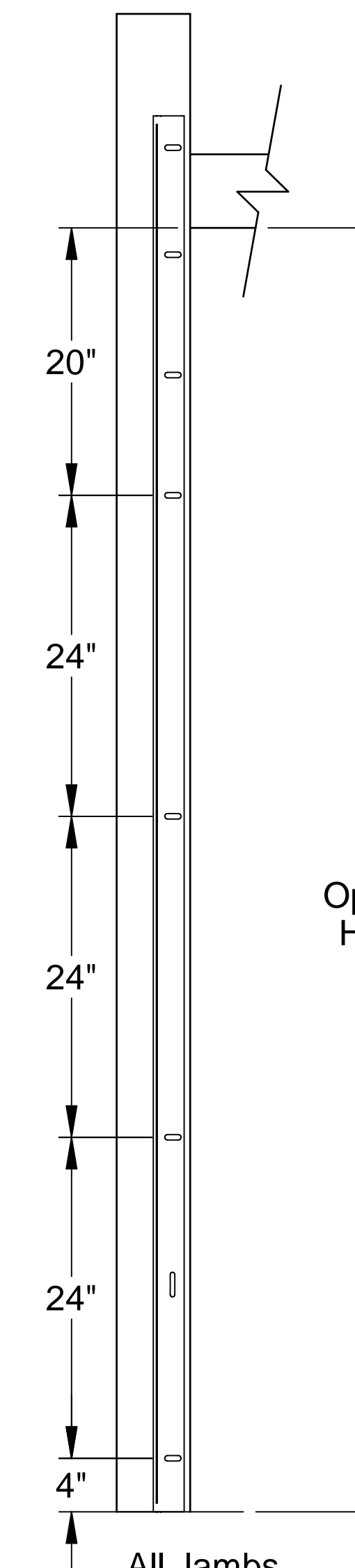
Angle Mount					
Jamb Type	Fastener Type	Minimum Embedment (in.)	Minimum Edge Distance (in.)	Maximum on Center Spacing (in.)	Allowable Tension Load (lbs.)
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	36"	893
	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	36"	687
	1/4" x 2-5/8" Screw-Bolt+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

Alternate fasteners may be used if approved by a registered Professional Engineer.

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

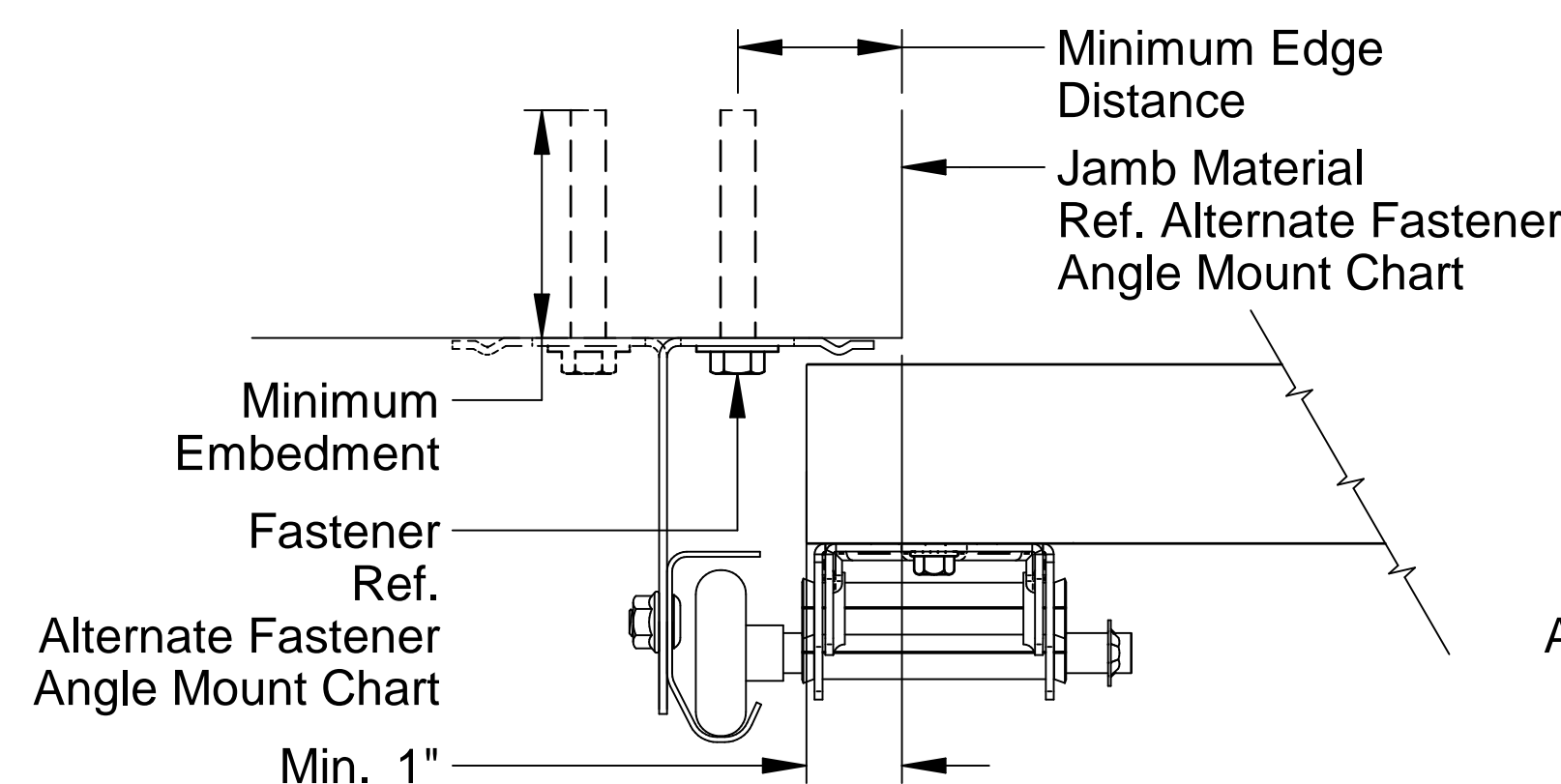
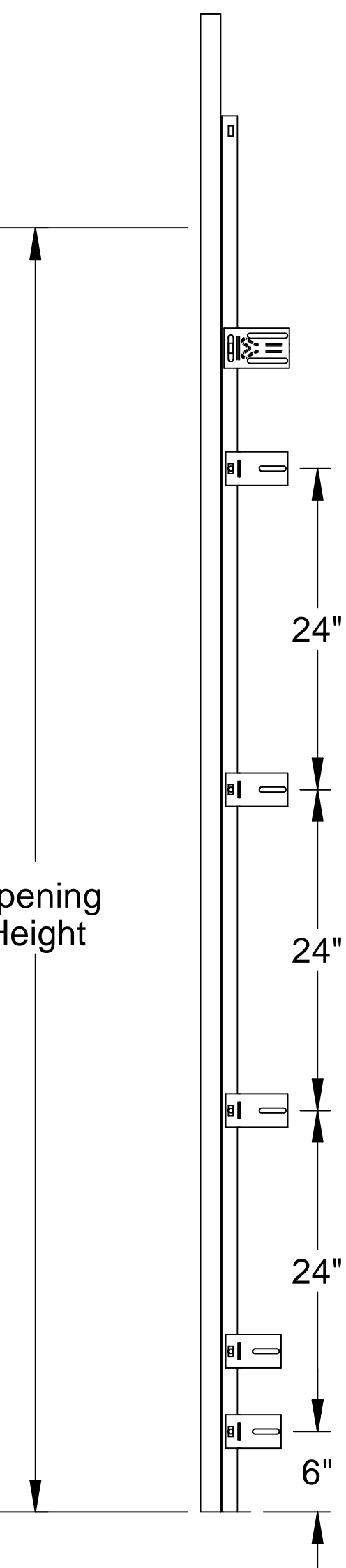
Alternate fasteners may be used if approved by a registered Professional Engineer.

Clip Angle  
to Structure:  
Wall Leg Spacing

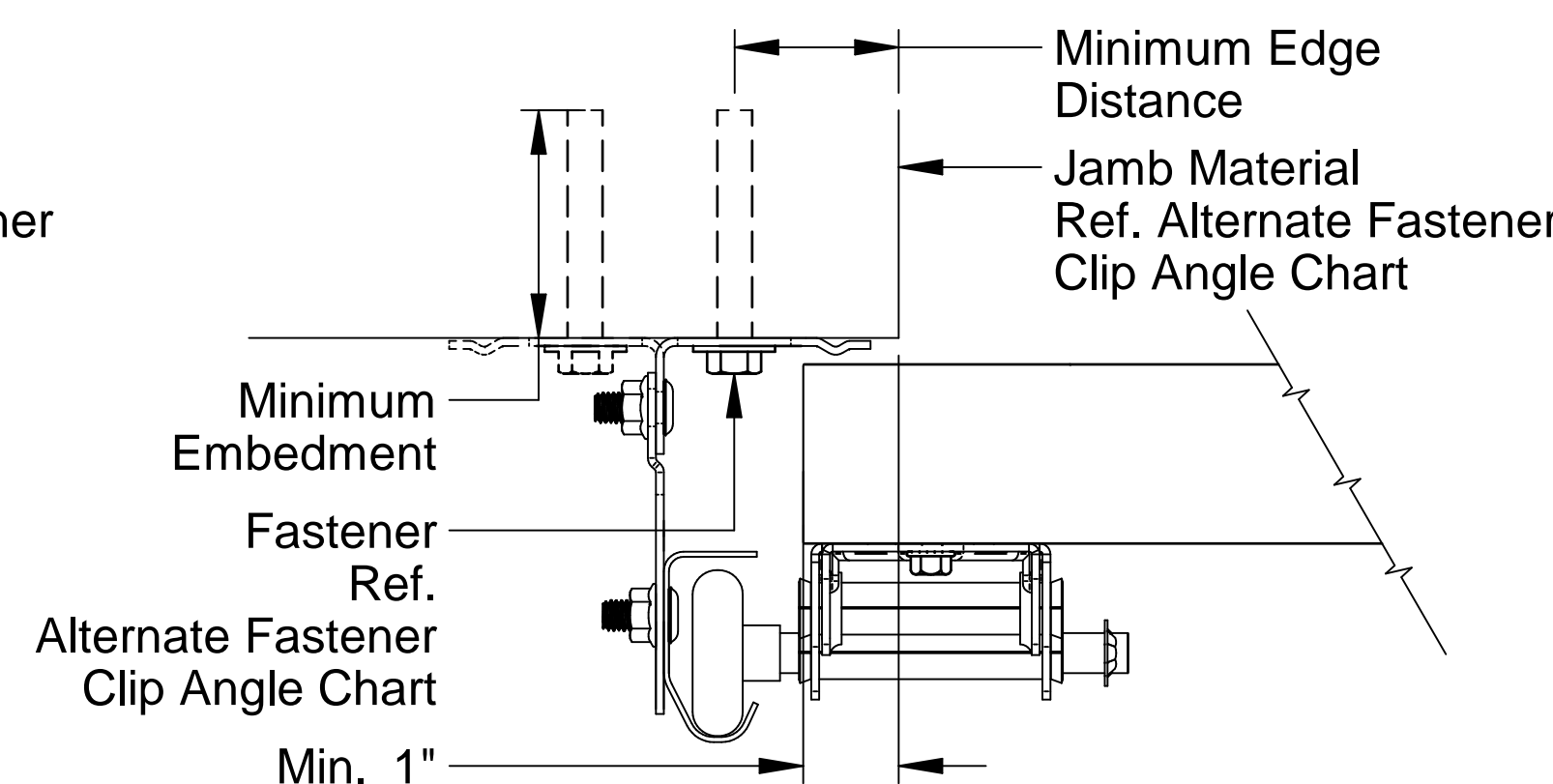


All Jambs  
24" O.C. Supplied

Clip Angle  
to Structure:  
Track Leg Spacing



Angle Mount To Structure  
2" Angle Shown  
Leg-in solid, leg-out dashed  
3" Available



Clip Angle To Structure  
2" Angle Shown  
Leg-in solid, leg-out dashed  
3" Available



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Structural Adequacy for Wind Load

Scale: None
Drawn by: J. Poitras
Checked by: R. Frey
Date: 02/29/24
ECO: 8937.01



1101 East River Road  
Dixon, IL 61021

Title: Spec, Wind Load  
Raynor EnergyCore

No. P-2608

Sheet 4

Rev A