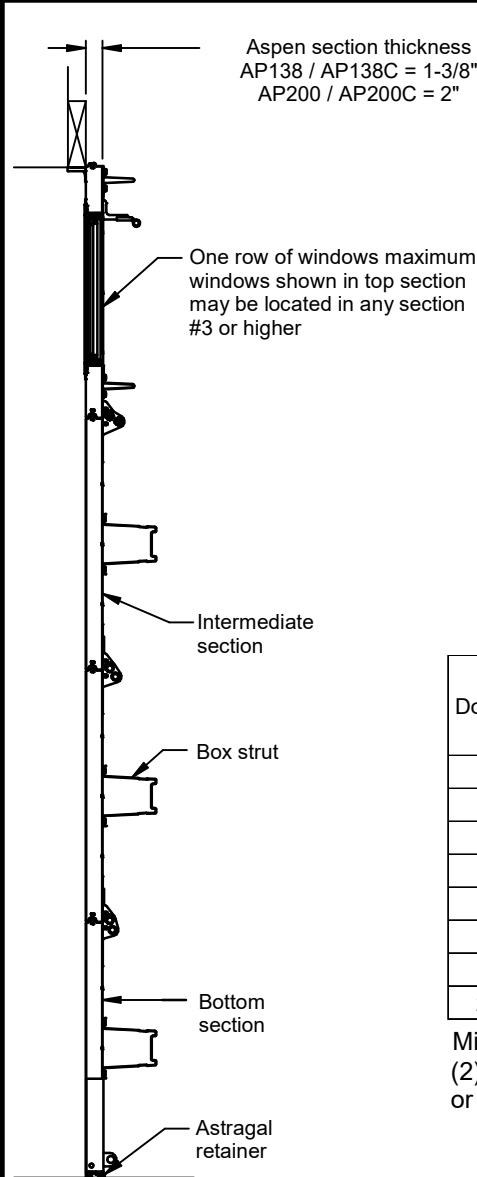




Section A-A

Window Options			
Window Style	Window Size	Glass	Frame Screws
Colonial	17-3/4" x 12-9/16"	1/4" Polycarbonate	10
Ranch	40-11/16" x 12-9/16"		

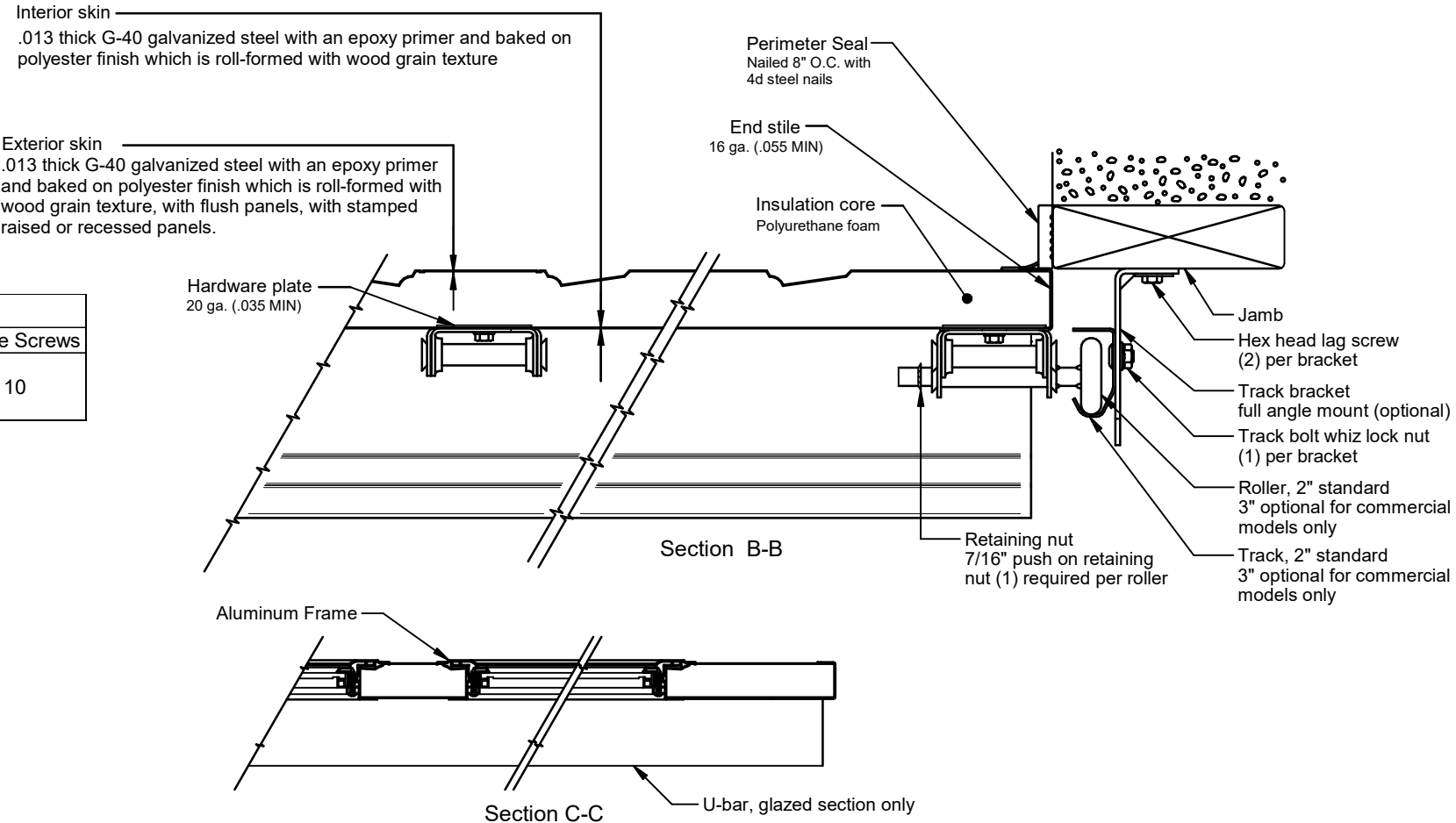
Window availability limited by section width.

Door Width	Quantity of Vertical Hinge Rows		
	Colonial Panels	Ranch Panels	Mixed Panels
8' - 0"	1	1	1
9' - 0"	1	1	1
10' - 0"	2	1	1
12' - 0"	2	2	2
14' - 0"	4	2	2
16' - 0"	3	3	3
18' - 0"	3	3	4
20' - 0"	5	4	4

Mixed panels or mixed windows (optional)
(2) colonials can be replaced by (1) ranch
or (1) ranch can be replaced by (2) colonials

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	Door Models			
	AP138 AP138C		AP200 / MAP200 AP200C / MAP200C	
	Design Load		Design Load	
8' - 0"	55.0	-62.0	60.0	-65.0
9' - 0"	55.0	-62.0	60.0	-65.0
10' - 0"	39.1	-43.5	42.8	-47.6
12' - 0"	39.1	-43.5	42.8	-47.6
14' - 0"	29.7	-33.1	32.5	-35.9
16' - 0"	29.7	-33.1	32.5	-35.9
18' - 0"	22.5	-24.7	24.5	-26.9
20' - 0"	22.5	-24.7	24.5	-26.9



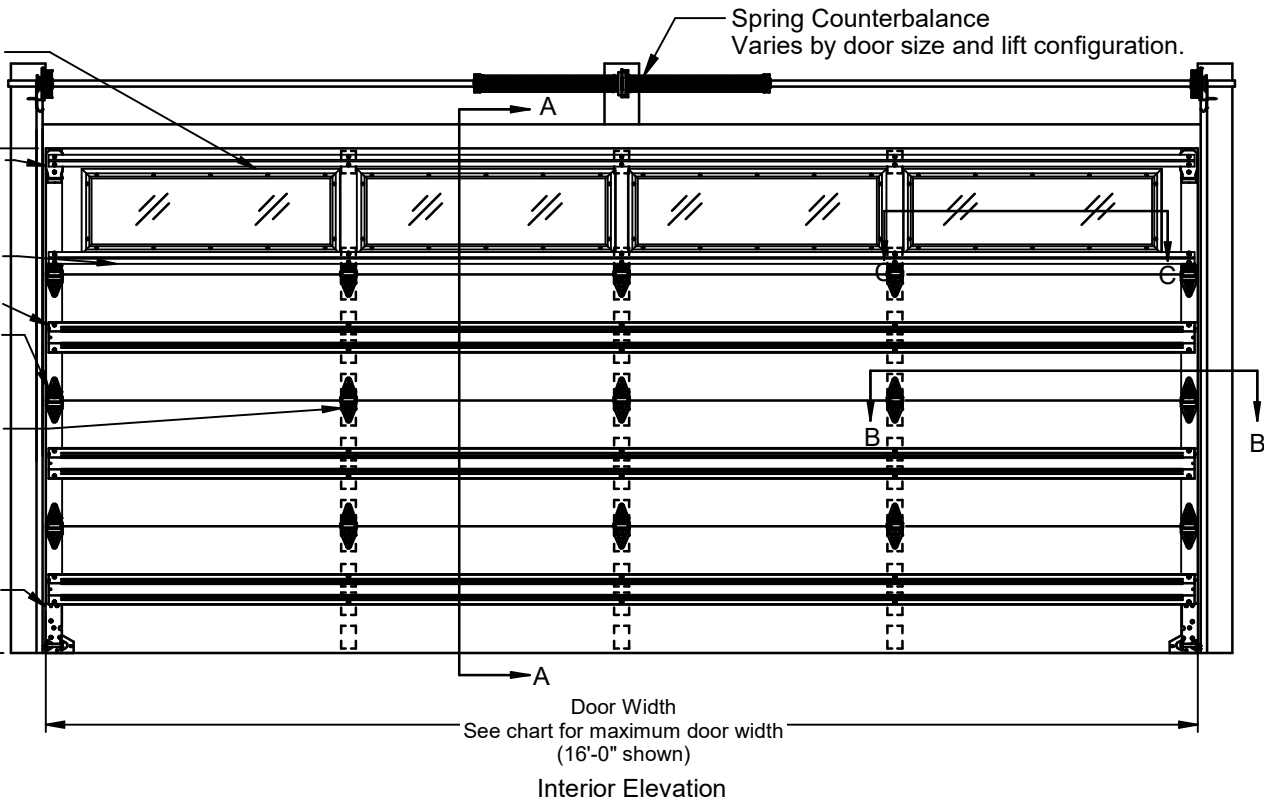
Impact resistant windows (optional)
Ranch style shown, colonial available
mixed colonial and ranch available

Door Height

7'- 0" high shown
other door heights
available up to
10'-0" - AP138 & AP200
or
18'-0" - AP138C & AP200C
using 18" or 21"
high sections

Top fixture
Fastened with (3)
1/4" x 5/8" thread-forming
self-tapping screws
U-bar reinforcing
Window section only
Box Strut reinforcing
Edge Hinge
Fastened with (5) 1/4" x 5/8"
thread-forming self-tapping screws
Center Hinge
Fastened with (5) 1/4" x 5/8"
thread-forming self-tapping screws
Locks required on doors
not electrically operated.
Corner bracket
Fastened with (4) 1/4" x 5/8"
thread-forming self-tapping screws

Vents (optional)
Openings may be located in bottom
section as allowed by local code



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D	Was hurricane roller in error, revised sheets 2 and 3, added sheet 4 and drywall attachment detail.	9066.01	02/02/26
C	Added MAP200, MAP200C, updated P.E. information	8571.01	07/13/21
B	Updated door height note.	8571.01	07/13/21
Rev.	Description	ECO	Date

Scale: None
Drawn by: G. Wedekind
Checked by: G. Wedekind
Date: 06/08/18
ECO: 7512.06



Title:
Spec, Wind Load
Aspen Series

No. P-3344

Sheet
1 of 4

Rev
D

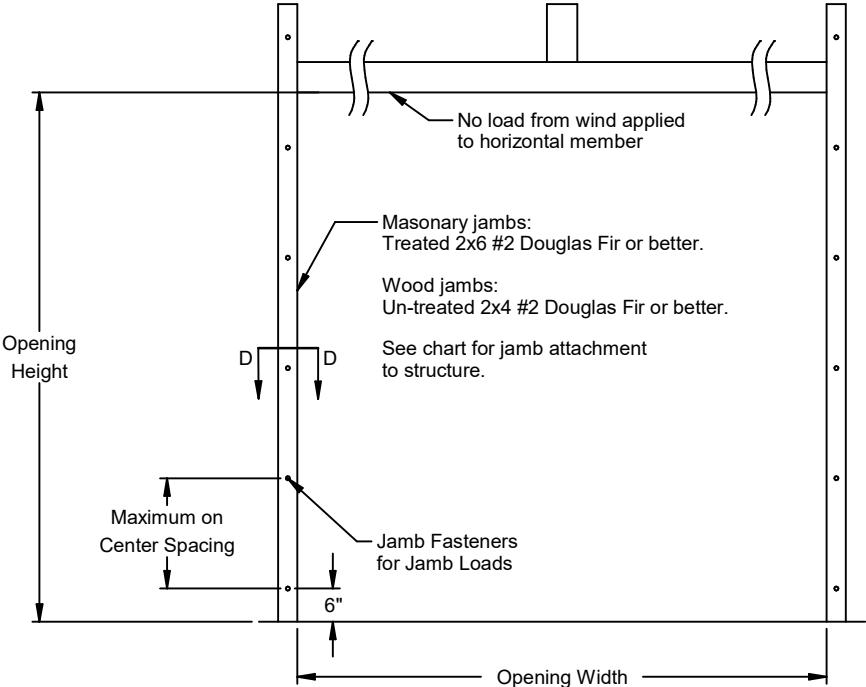
FL#21471

Jamb Attachment Notes

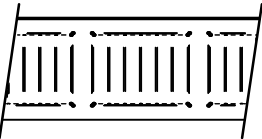
1. Design of the supporting structure shall be the sole responsibility of the building designer and shall be designed for the jamb loads listed in the jamb loads chart.
2. Alternate jamb attachments may be used if approved by a registered professional engineer.
3. DASMA technical data sheet TDS-161 may be used for alternate jamb attachment.

2X6 ATTACHMENT TO STRUCTURE						
STRUCTURE TYPE	FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	MINIMUM ON CENTER SPACING	DIMENSION A (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"	691
SOUTHERN PINE	3/8" X 3" LAG WITH 1-1/8" OD WASHER	1.50"	1.50"	1.50"	24"	620
SPRUCE PINE FIR	3/8" X 3" LAG WITH 1-1/8" OD WASHER	1.50"	1.50"	1.50"	21"	482

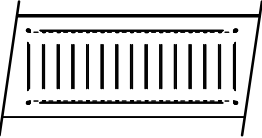
Positive Jamb Loads		
(9' x 60.0 PSF) / 2 =	270	lbs. per foot
Negative Jamb Loads		
(9' x -65.0 PSF) / 2 =	293	lbs. per foot



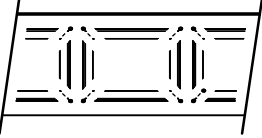
EXTERIOR PANEL OPTIONS



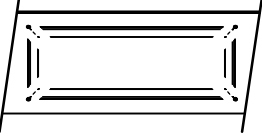
COLONIAL EMBOSSEMENT WITH RECESSED PANEL



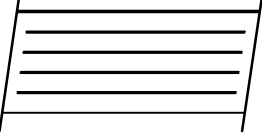
RANCH EMBOSSEMENT WITH RECESSED PANEL



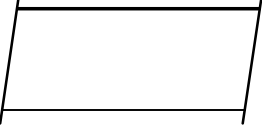
COLONIAL EMBOSSEMENT WITH RAISED PANEL



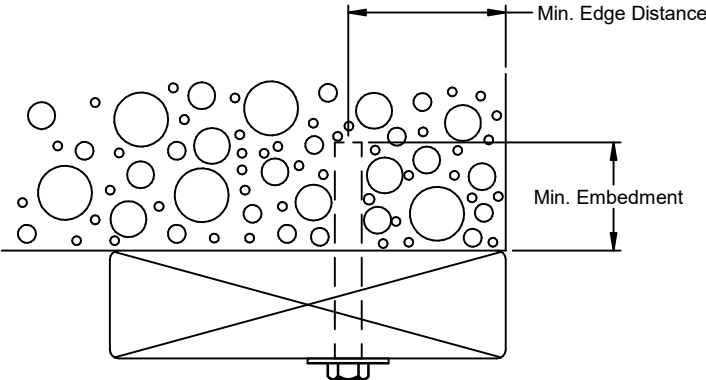
RANCH EMBOSSEMENT WITH RAISED PANEL



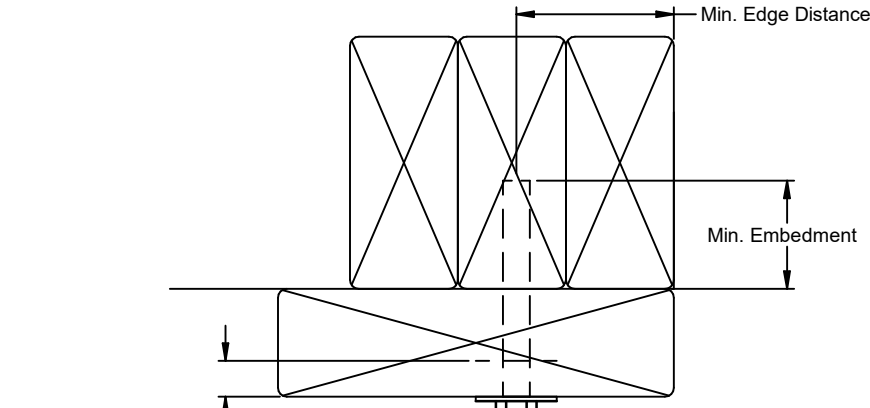
BEADED PANEL



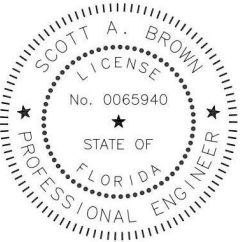
FLUSH PANEL



Section D-D
2500 PSI Min. Concrete



Section D-D
Southern Pine or Spruce Pine Fir

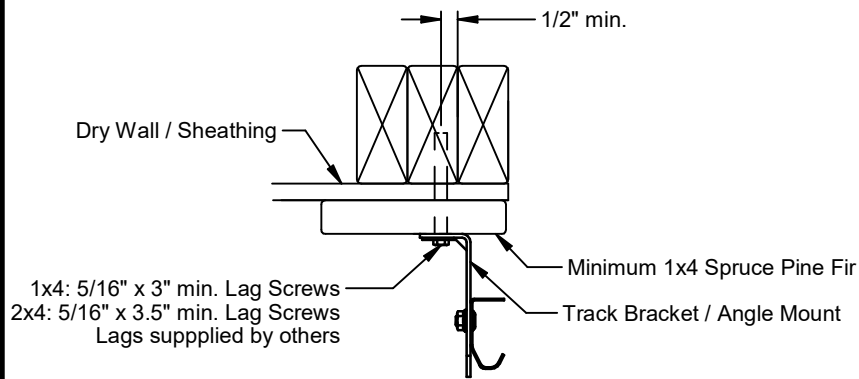
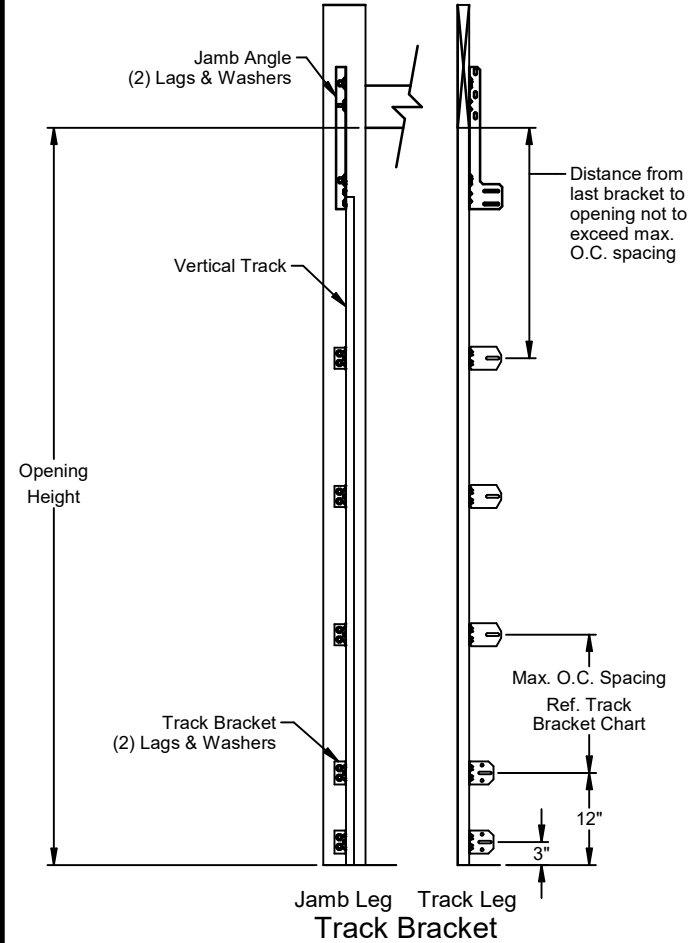


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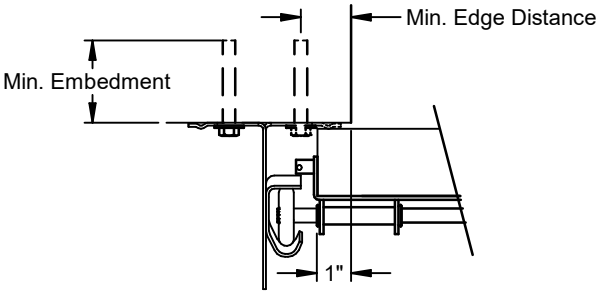
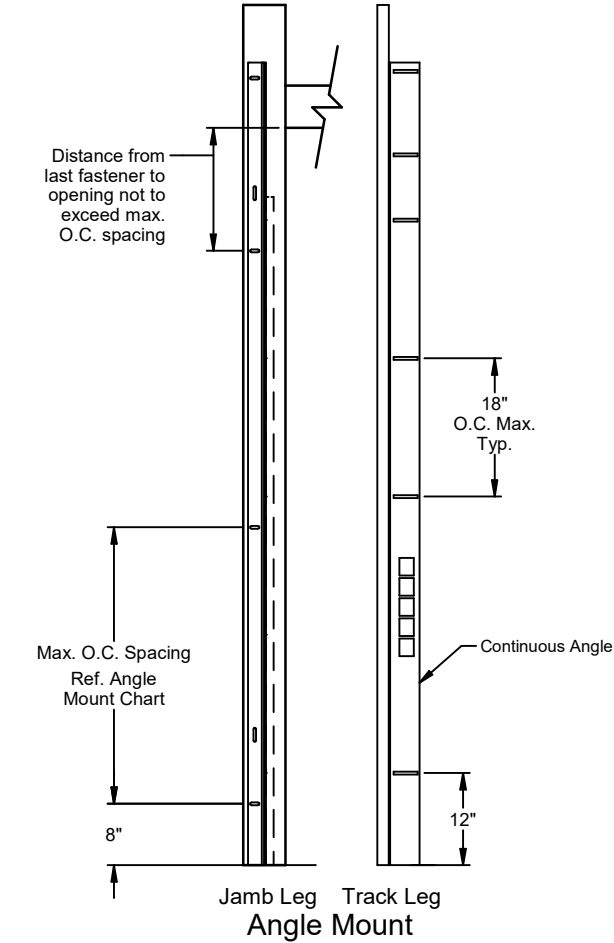
Scott A. Brown
Digitally signed by Scott A Brown
Date: 2026.02.11 09:42:11-06'00'

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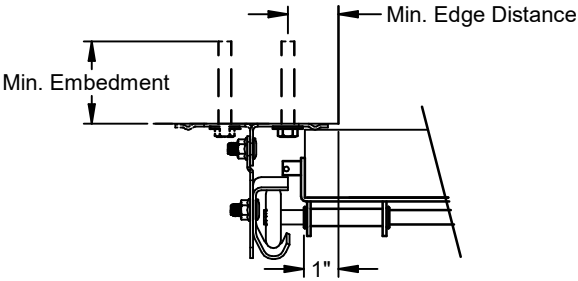
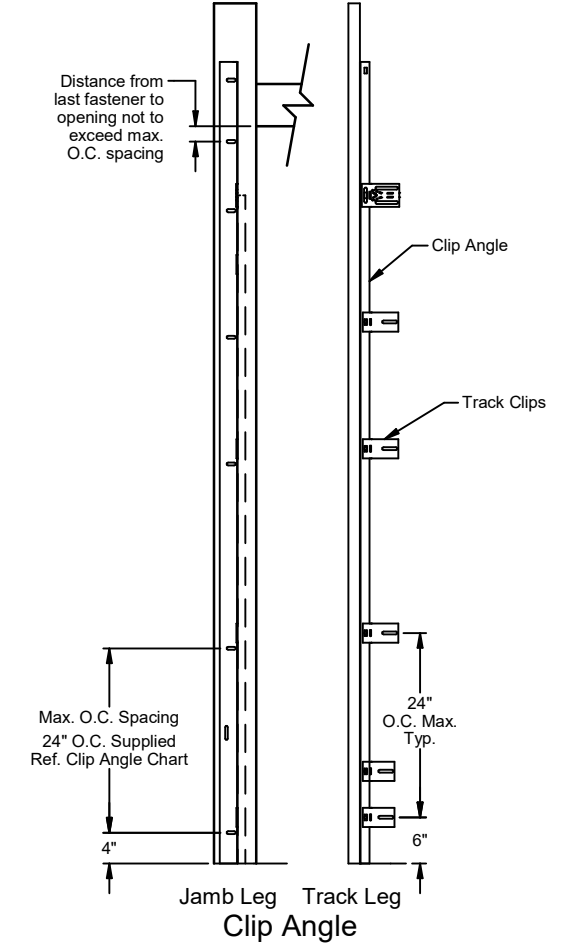
Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load Aspen Series		
Drawn by: G. Wedekind		No. P-3344		
Checked by: G. Wedekind				
Date: 06/08/18				
ECO: 7512.06			Sheet 2	Rev D



Attachment over Drywall/Sheathing



Angle Mount to Structure
2" Angle mount turned-out standard (solid)
2" Angle mount turned-in optional (dashed)
3" Angle Mount available only for commercial models



Clip Angle to Structure
Commercial models only
2" Clip angle turned-in standard (solid)
2" Clip angle turned-out optional (dashed)
3" Clip angle available



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Date: 2026.02.11 09:42:31-06'00'

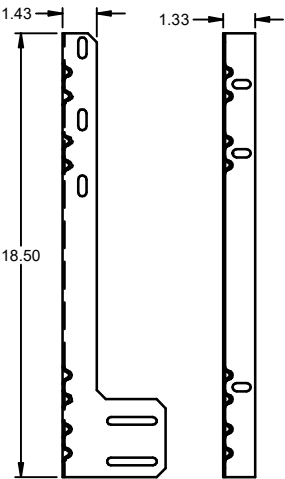
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Alternate fasteners may be used if approved by a registered Professional Engineer.

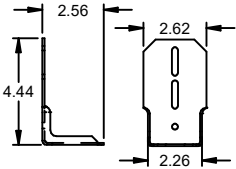
Jamb Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Allowable Tension Load (lbs.)	Track Bracket	Angle Mount	Clip Angle
					Max. on Center Spacing	Max. on Center Spacing	Max. on Center Spacing
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	893	N/A	18"	24"
	1/4" Tapcon+ (Plus) with 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"	18"	12"
Grout Filled CMU Block	3/8" Simpson Titen HD	2-3/4"	4"	480	N/A	18"	12"

Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load Aspen Series		
Drawn by: G. Wedekind		No. P-3344	Sheet 3	Rev D
Checked by: G. Wedekind				
Date: 06/08/18				
ECO: 7512.06				

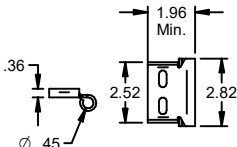
Installation Hardware



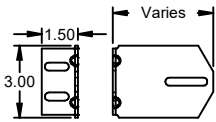
Jamb Angle
.078 Galv. Steel
(14 ga.)



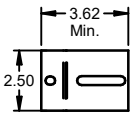
Top Fixture
.086 Galv. Steel
(13 ga.)



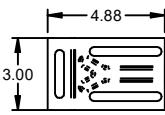
Roller Carrier
.116 Galv. Steel
(11 ga.)



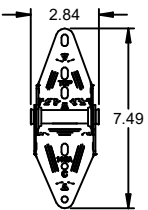
Track Bracket
.116 Galv. Steel
(11 ga.)



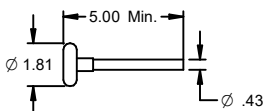
Track Clips (Opt.)
.09 Galv. Steel
(13 ga.)



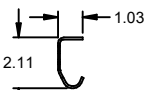
Track Splice Clips (Opt.)
.105 Galv. Steel
(12 ga.)



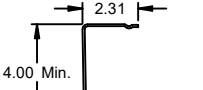
Center Hinge
.045 min. Galv. Steel
(18 ga.)



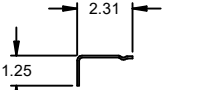
2" Roller
Nylon 10-ball (Std.)
Steel 10-ball (Opt.)



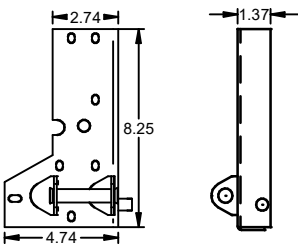
2" Track
.086 Galv. Steel
(13 ga.)



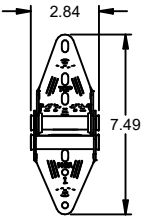
2" Angle Mount (Opt.)
.086 Galv. Steel
(13 ga.)



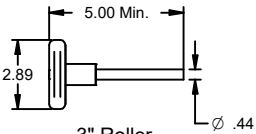
2" Clip Angle (Opt.)
.086 Galv. Steel
(13 ga.)



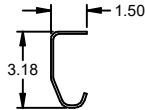
Corner Bracket
.113 Galv. Steel
(11 ga.)



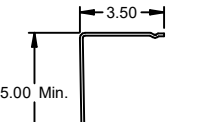
Edge Hinge
.086 min. Galv. Steel
(13 ga.)



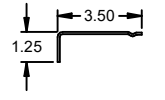
3" Roller
Steel 10-ball (Opt.)



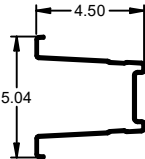
3" Track (Opt.)
.105 Galv. Steel
(12 ga.)



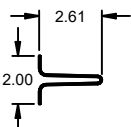
3" Angle Mount (Opt.)
.086 Min. Galv. Steel
(13 ga.)



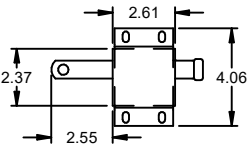
3" Clip Angle (Opt.)
.086 Galv. Steel
(13 ga.)



Steel Box Strut
20 Ga. (.035 min.) Galvanized
High Tensile Steel
80 KSI Minimum Yield

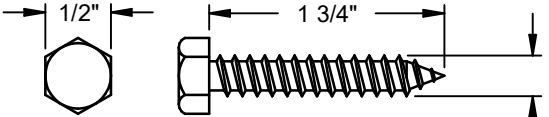


Steel U-bar
18 Ga. (.049 min.) Galvanized High Tensile Steel
80 KSI Minimum Yield

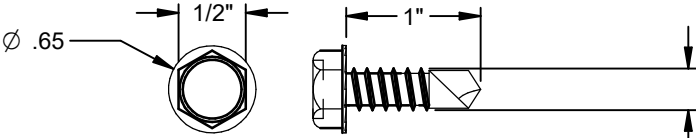


Slide Lock

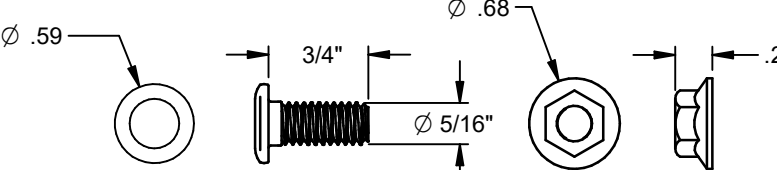
Fasteners & Small Hardware



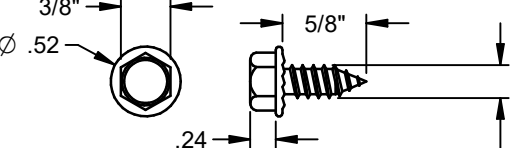
Hex Head Lag Screw
Wood jambs, all jamb attachments.
Install with supplied washer.



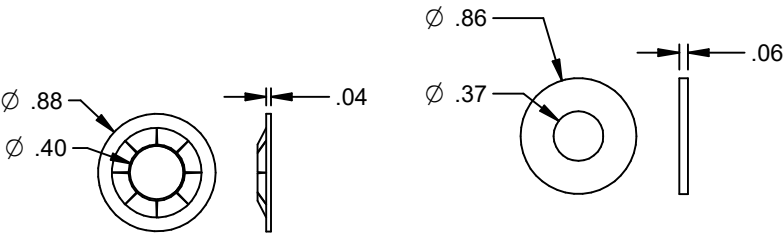
5/16" x 1" Self Drilling Screw
Angle mount & clip angle to steel jambs.
Install with supplid washer.



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.

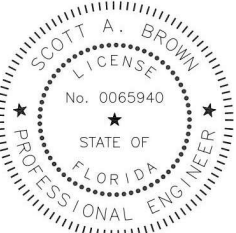


1/4" x 5/8" Self Tapping Screw
Attach hardware to sections.



Retaining Nut
(1) per roller.

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



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Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load Aspen Series		
Drawn by: G. Wedekind		No. P-3344		
Checked by: G. Wedekind				
Date: 06/08/18				
ECO: 7512.06			Sheet 4	Rev D