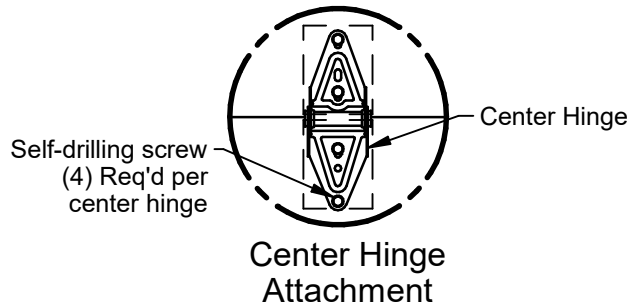
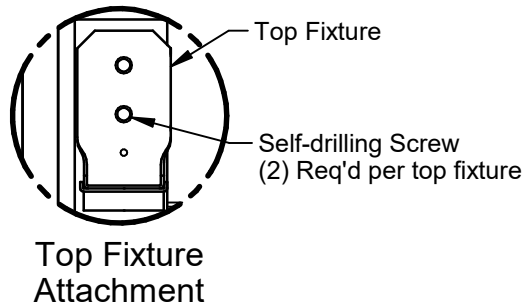
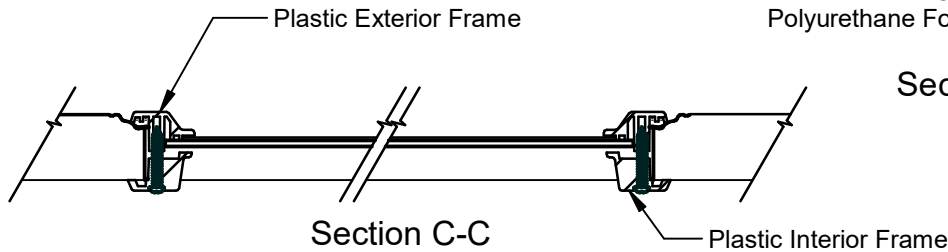


Aspen Section Thickness
AP138C = 1-3/8"
AP200C = 2"

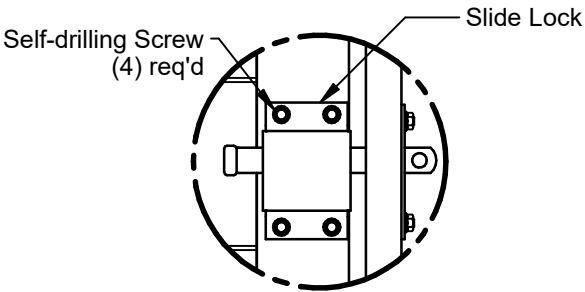
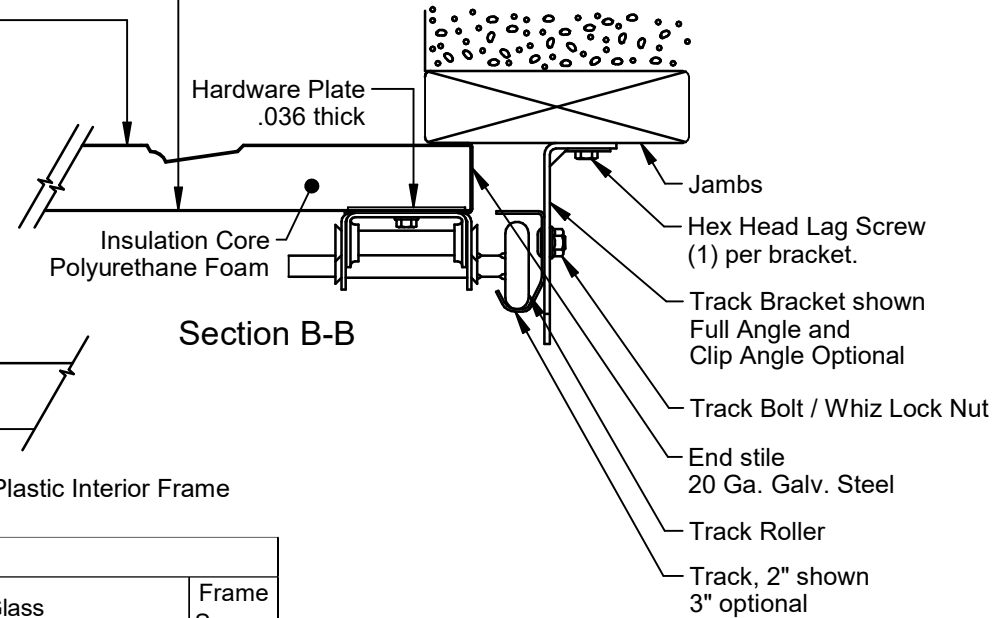


Interior Skin
.013 Thick G-40 galvanized steel with an epoxy primer and baked on polyester finish which is roll-formed with wood grain texture.

Exterior Skin
.014 Thick G-40 galvanized steel with an epoxy primer and baked on polyester finish which is roll-formed with wood grain texture.



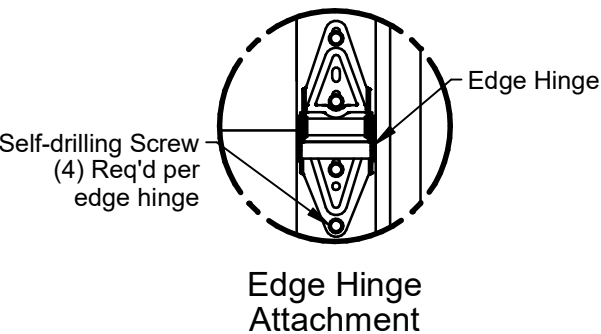
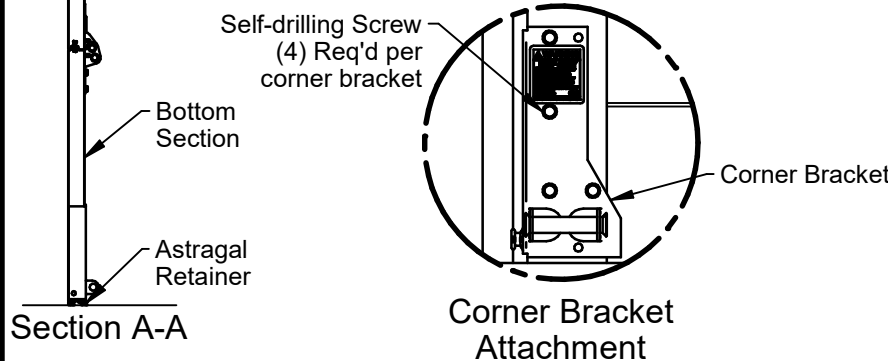
Section B-B



Window Options				
Window Style	Nominal Size	DLO	Glass	Frame Screws
Colonial	17-3/4" x 12-3/4"	16-3/4" x 11-3/4"	1/8" Annealed or Tempered	10
Ranch	40-3/4" x 12-3/4"	39-3/4" x 11-3/4"	3/4" Annealed or Tempered I.G.	18

Window availability limited by section width.

Intermediate Sections



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.

AP138C															
Max. Door Width	Colonial					Ranch				Carriage House					
	Ctr. Hngs. per Sect.	Design Loads				Ctr. Hngs. per Sect.	Design Loads			Ctr. Hngs. per Sect.	Design Loads				
		21" Max		24" Max			21" Max		24" Max		21" Max	24" Max			
		Section Height	Section Height	Section Height	Section Height		Section Height	Section Height	Section Height		Section Height	Section Height			
8'-2"	1	12.8	-14.0	14.2	-16.0	1	12.8	-14.0	14.2	-16.0	1	12.8	-14.0	14.2	-16.0
9'-2"	1	11.4	-12.4	12.6	-14.2	1	11.4	-12.4	12.6	-14.2	1	11.4	-12.4	12.6	-14.2

AP200C / MAP200C															
Max. Door Width	Colonial					Ranch					Carriage House				
	Ctr. Hngs. per Sect.	Design Loads				Ctr. Hngs. per Sect.	Design Loads				Ctr. Hngs. per Sect.	Design Loads			
		21" Max		24" Max			21" Max		24" Max			21" Max		24" Max	
		Section Height	Section Height	Section Height	Section Height		Section Height	Section Height	Section Height	Section Height		Section Height	Section Height		
8'-2"	1	20.8	-23.5	14.2	-16.0	1	20.8	-23.5	14.2	-16.0	1	20.8	-23.5	14.2	-16.0
9'-2"	1	18.5	-20.9	12.6	-14.2	1	18.5	-20.9	12.6	-14.2	1	18.5	-20.9	12.6	-14.2
10'-2"	2	15.0	-16.9	N/A	N/A	1	15.0	-16.9	10.2	-11.5	1	15.0	-16.9	10.2	-11.5

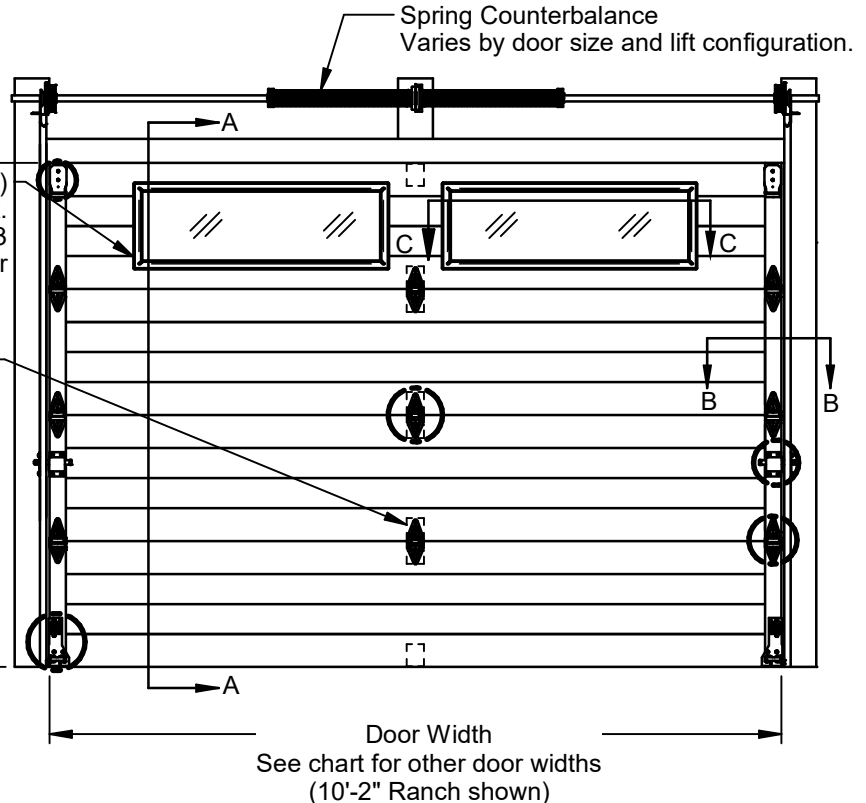
Door Height
7'-0" High shown
Other door heights available up to 18'-0" using 18", 21" or 24" high sections

Windows (optional)
(1) row max. located in sect. #3 or higher

Embedded Hardware Plates

Locks required on doors not electrically operated.

Vents (Optional)
Vent openings may be located in bottom section as allowed by local code



Interior Elevation

FL#21471



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

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Rev.	Description	ECO	Date	ECO: 8399.01
C	Redrew sheets 2-4.	9066.01	02/02/26	
B	Added MAP200C, updated P.E. information	8997.01	12/08/22	
A	Preliminary release.	8399.01	07/14/21	

Scale: None	Drawn by: J. Lahman
Checked by: R. Frey	Date: 07/14/21
ECO: 8399.01	



Title: Spec, Wind Load Commercial Aspen				
No. P-2439	Sheet 1 of 4		Rev C	

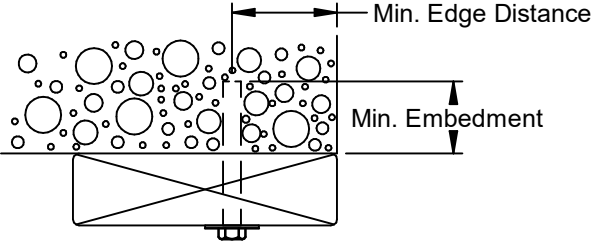
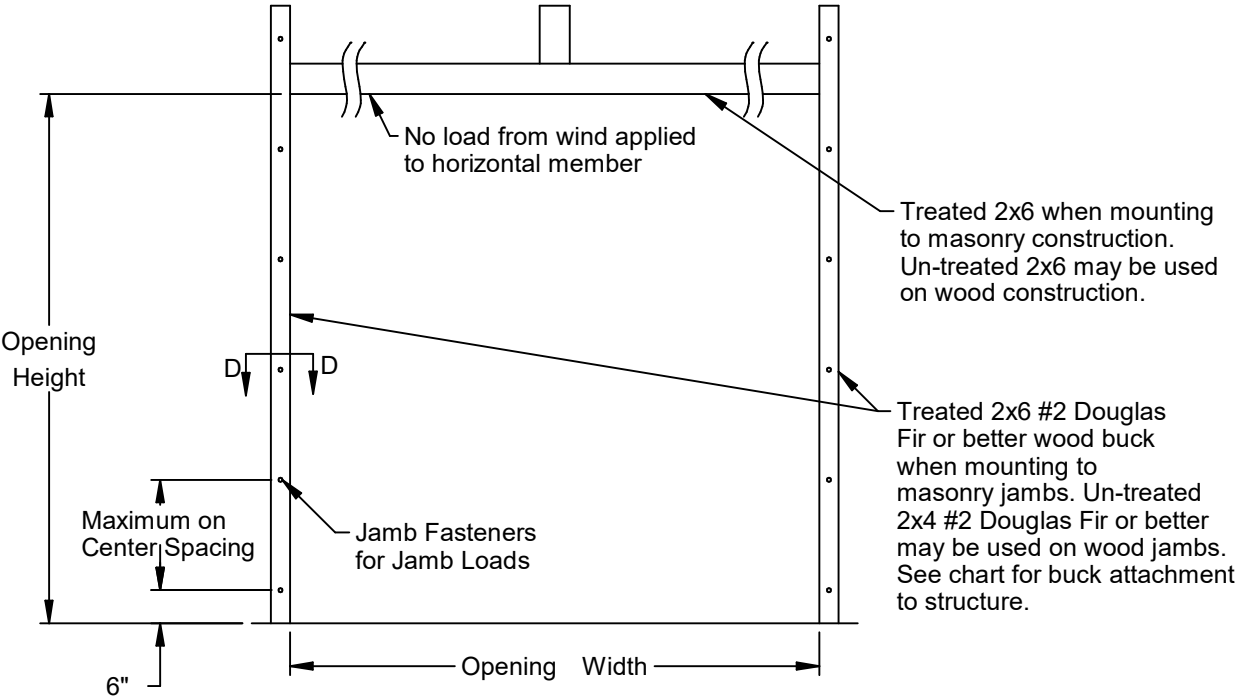
Jamb Attachment Notes:

- 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 load chart below.
- 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 attachments.
- 4. 3/8" diameter lag screws required 1/4" pilot hole and 1-1/2" minimum required distance.
- 5. Masonry fasteners by others.

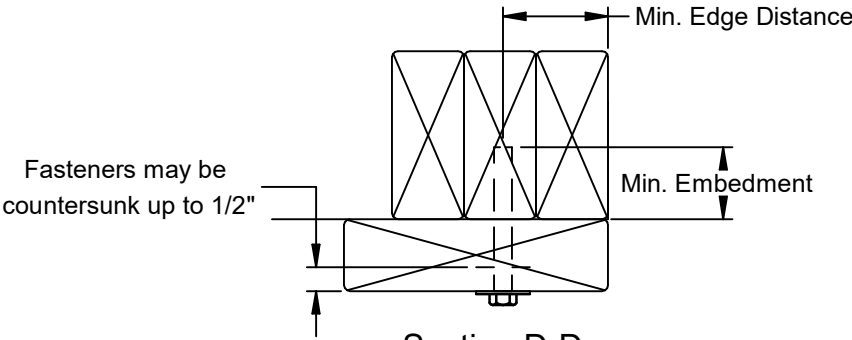
2x6 Attachment to Structure						
Structure Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Minimum on Center Spacing	Maximum on Center Spacing	Allowable Tension Load
2500 PSI Min. Concrete	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	2.5	6"	24"	526
Southern Pine	3/8" x 3" Lag with 1-1/8" 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

Positive Jamb Loads		
(9'-0" x 18.5 PSF) / 2 =	84	lbs. per foot

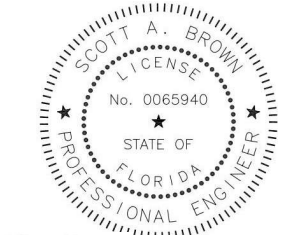
Negative Jamb Loads		
(9'-0" x -20.9 PSF) / 2 =	94	lbs. per foot



Section D-D
2500 PSI Min. Concrete

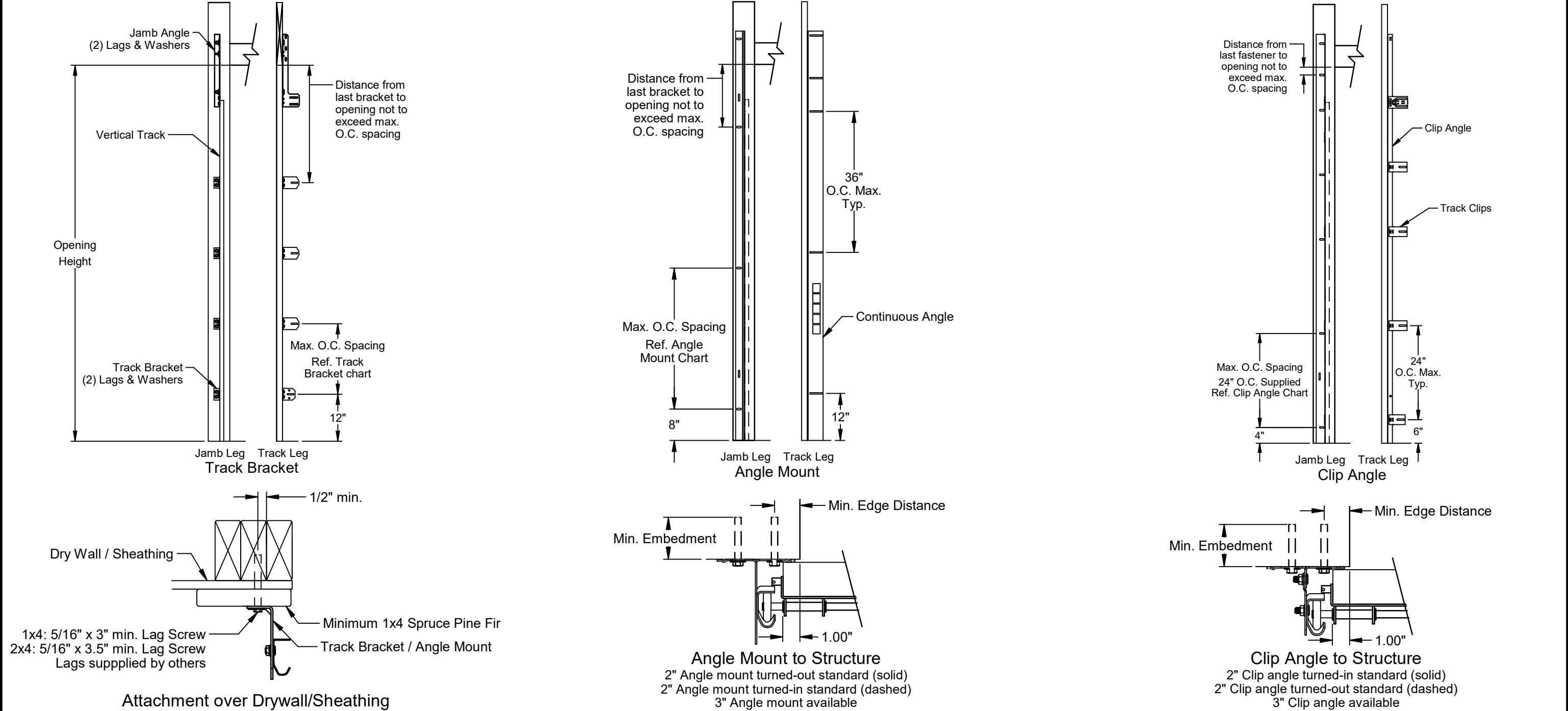


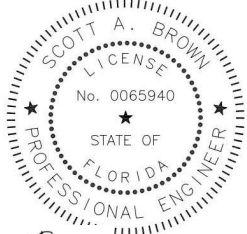
Section D-D
Southern Pine or
Spruce Pine Fir



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Structural Adequacy for Wind Load

Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load Commercial Aspen	
Drawn by: J. Lahman		No. P-2439	Sheet 2
Checked by: R. Frey			
Date: 07/14/21			
ECO: 8399.01			Rev C




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Structural Adequacy for Wind Load

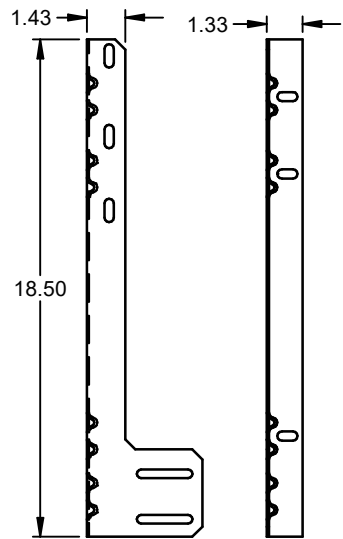
Jamb Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Allowable Tension Load (lbs.)	Track Bracket	Angle Mount	Clip Angle
					Max. on Center Spacing	Max. on Center Spacing	Max. on Center Spacing
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	893	N/A	36"	24"
	1/4" Tapcon+ (Plus) with 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"	36"	24"
Grout Filled CMU Block	3/8" Simpson Titen HD	2-3/4"	4"	480	N/A	36"	24"

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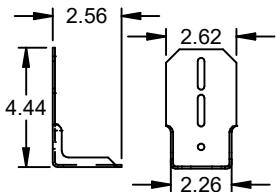
Alternate fasteners may be used if approved by a registered Professional Engineer.

Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load Commercial Aspen	
Drawn by: J. Lahman		No. P-2439	Sheet 3
Checked by: R. Frey			
Date: 07/14/21			
ECO: 8399.01		Rev C	

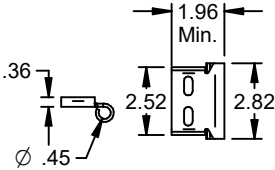
Installation Hardware



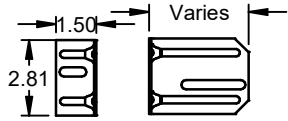
Jamb Angle
.078 Galv. Steel
(14 ga.)



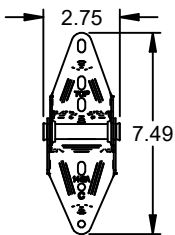
Top Fixture
.085 Galv. Steel
(13 ga.)



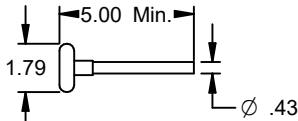
Roller Carrier
.086 Galv. Steel
(13 ga.)



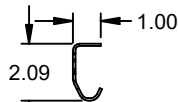
Track Bracket
.086 Galv. Steel
(13 ga.)



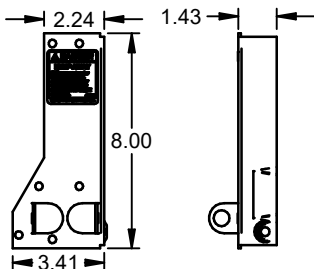
Center Hinge
.045 min. Galv. Steel
(18 ga.)



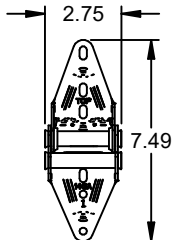
2" Roller
Nylon 10-ball (Std.)
Steel 10-ball (Opt.)



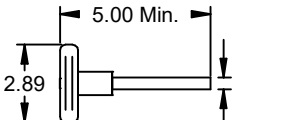
2" Track
.055 Galv. Steel
(16 ga.)



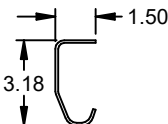
Corner Bracket
.086 Galv. Steel
(13 ga.)



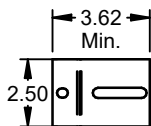
Edge Hinge
.086 min. Galv. Steel
(13 ga.)



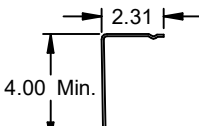
3" Roller
Steel 10-ball (Opt.)



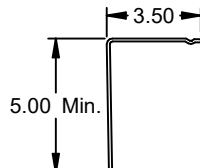
3" Track (Opt.)
.105 Galv. Steel
(12 ga.)



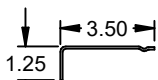
Track Clips (Opt.)
.09 Galv. Steel
(13 ga.)



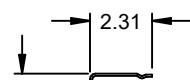
2" Angle Mount (Opt.)
.086 Galv. Steel
(13 ga.)



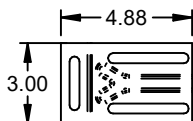
3" Angle Mount (Opt.)
.086 Min. Galv. Steel
(13 ga.)



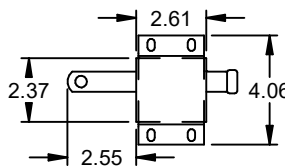
3" Clip Angle (Opt.)
.086 Galv. Steel
(13 ga.)



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

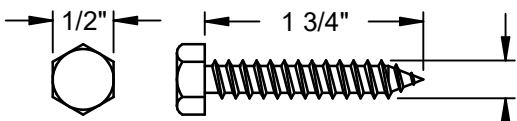


Track Splice Clips (Opt.)
.105 Galv. Steel
(12 ga.)

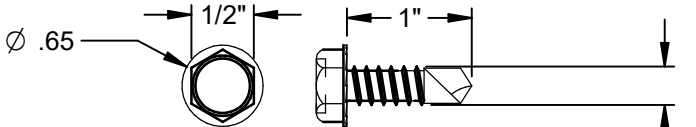


Slide Lock

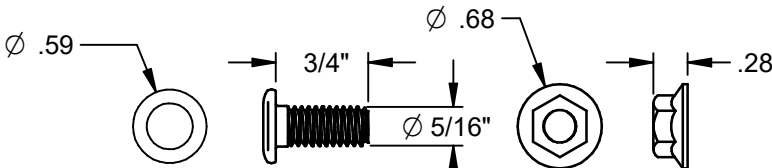
Fasteners & Small Hardware



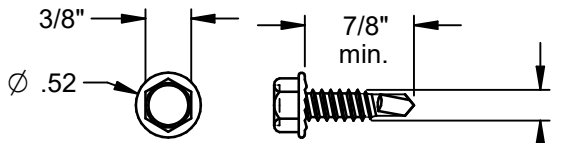
Hex Head Lag Screw
Wood jambs, all jamb attachments. Ø 5/16"
Install with supplied washer.



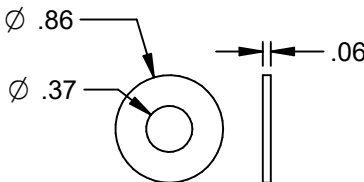
5/16" x 1" Self Drilling Screw
Angle mount & clip angle to steel jambs. Ø 5/16"
Install with supplied washer.



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. Ø 1/4"



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

Drawn by: J. Lahman

Checked by: R. Frey

Date: 07/14/21

ECO: 8399.01



1101 East River Road
Dixon, IL. 61021

Title:

Spec, Wind Load
Commercial Aspen

No.

P-2439

Sheet

4

Rev

C