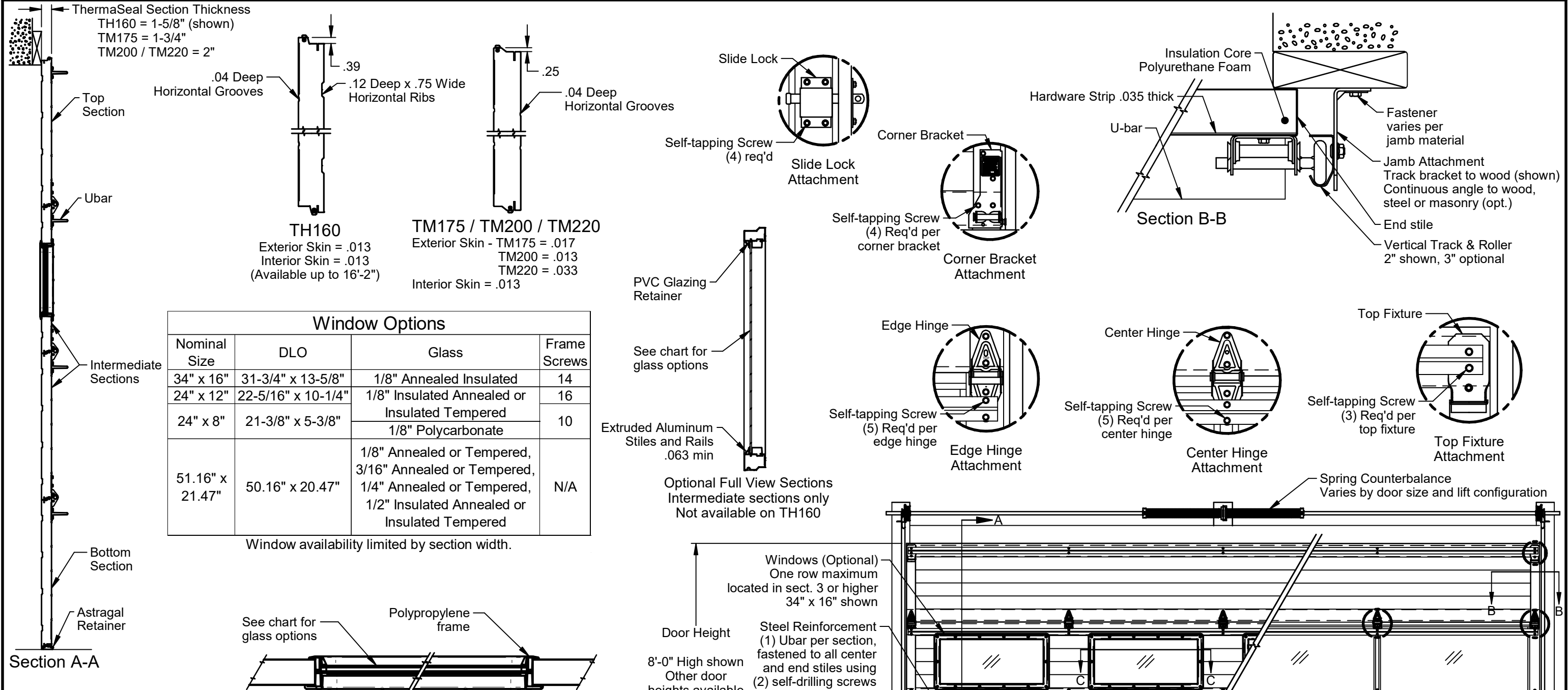
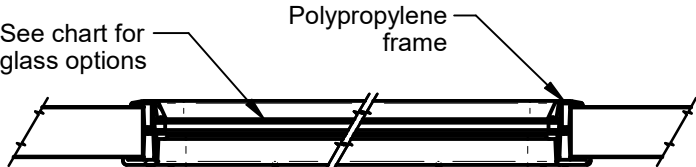




Window Options			
Nominal Size	DLO	Glass	Frame Screws
34" x 16"	31-3/4" x 13-5/8"	1/8" Annealed Insulated	14
24" x 12"	22-5/16" x 10-1/4"	1/8" Insulated Annealed or Insulated Tempered	16
24" x 8"	21-3/8" x 5-3/8"	1/8" Polycarbonate	10
51.16" x 21.47"	50.16" x 20.47"	1/8" Annealed or Tempered, 3/16" Annealed or Tempered, 1/4" Annealed or Tempered, 1/2" Insulated Annealed or Insulated Tempered	N/A

Window availability limited by section width.



Section C-C

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.

Maximum Door Width	Hinge Rows	Panels	Design Loads		Design Load (FullViews)		End Stiles
Up to 9' - 2"	1	2	39.3	- 44.0	12.2	-13.6	Single (std.) Double (opt.)
10' - 2"	2	3					
11' - 2"							
12' - 2"							
13' - 2"	3	4	25.7	- 28.5			
14' - 2"			23.9	- 26.5			
15' - 2"			22.3	- 24.7			
16' - 2"			20.9	- 23.2			
17' - 2"			4	5	17.0	-19.0	
18' - 2"	16.1	-18.0			11.5	-12.9	
19' - 2"	15.3	-17.0			10.9	-12.2	
20' - 2"	14.5	-16.2			10.4	-11.6	Double (std.)

TH160 available up to 16'-2"



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Rev.	Description	ECO	Date	ECO: 6530.01
F	Added full view option and pressures on sht. 1 for TM175/200/220. Revised sht 2 and 3.	9097.02	11/24/2025	
E	Concrete and CMU lap requirement was 2.00 on clip angle.	8517.02	09/10/21	
D	Added pre-assembled track, 34 x 16 windows, TM220 and updated format.	8517.01	02/18/21	

Scale: None	Title: Spec, Wind Load TH160, TM175, TM200, TM220	
Drawn by: G. Wedekind	Checked by: G. Wedekind	
Date: 02/15/13	No. P-2423	
ECO: 6530.01	Sheet 1 of 4	Rev F



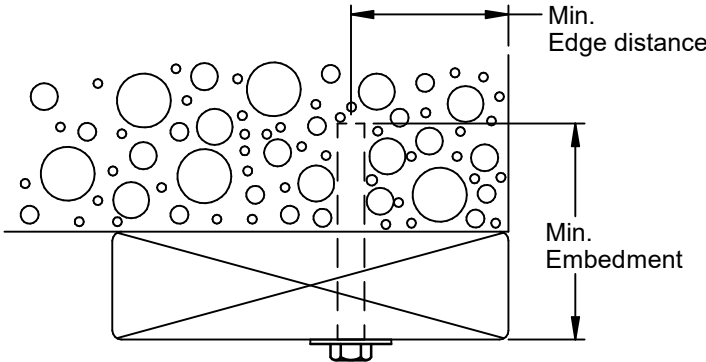
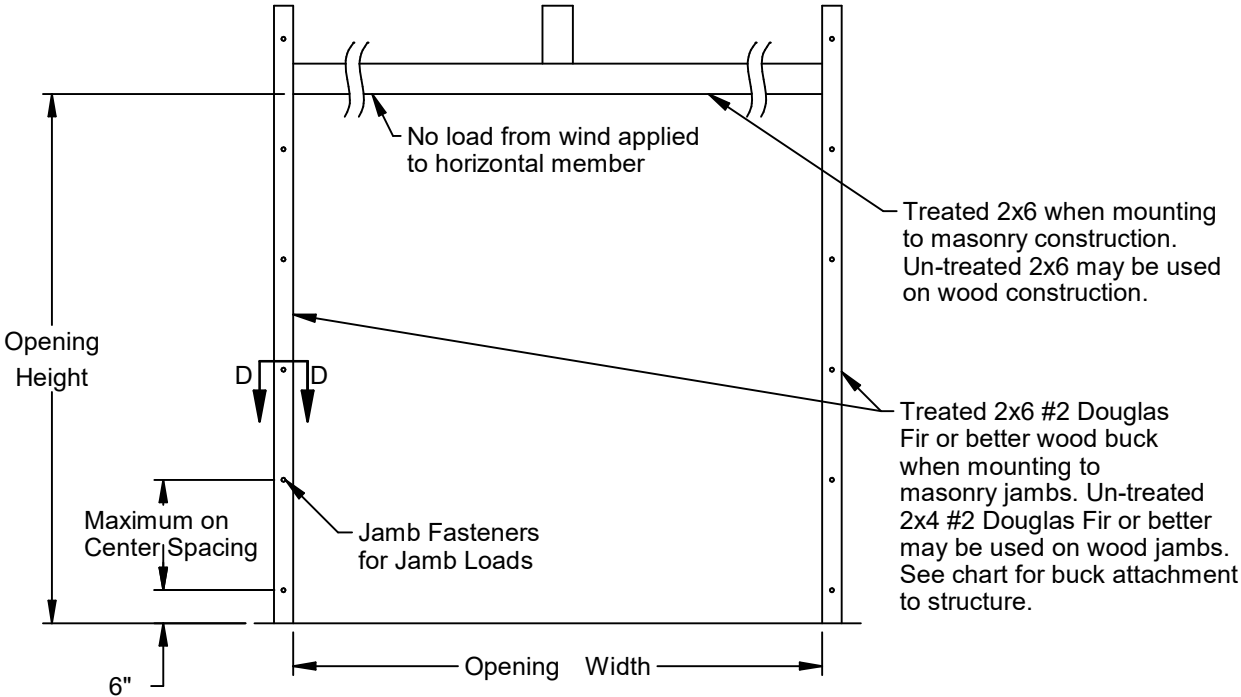
FL#16225

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.

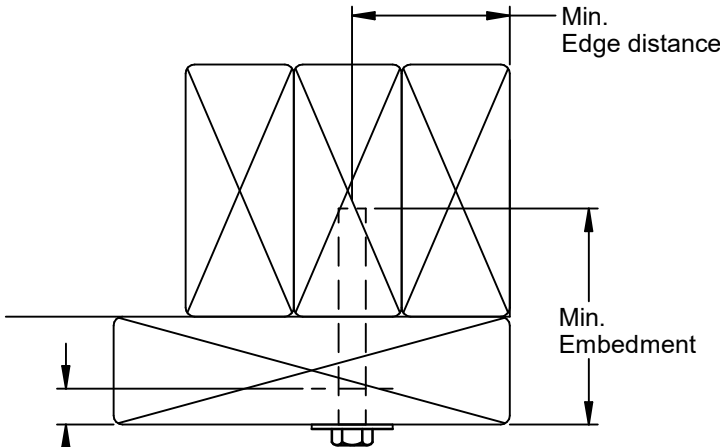
Max. Positive Jamb Load	
(10'-2" x 39.3 PSF) / 2 =	201 lbs. per foot

Max. Negative Jamb Load	
(10'-2" x -44.0 PSF) / 2 =	225 lbs. per foot

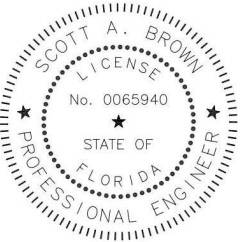
2x6 Attachment to Structure						
Structure Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Minimum on Center Spacing	Maximum on Center Spacing	Allowable Tension Load
2500 PSI Min. Concrete	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	2.5	6"	24"	526
Southern Pine	3/8" x 3" Lag with 1-1/8"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



Section D-D
2500 PSI Min. Concrete



Section D-D
Southern Pine or
Spruce Pine Fir

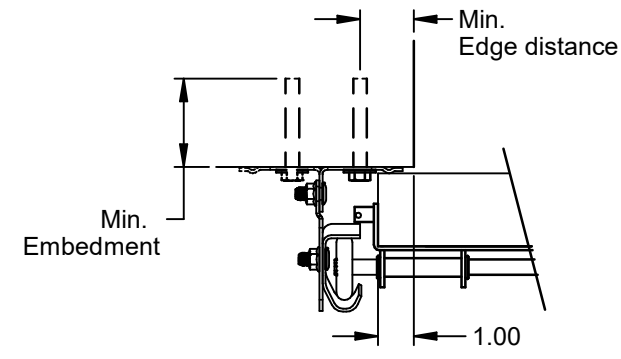
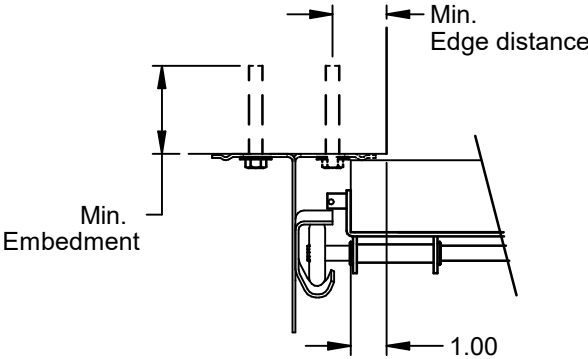
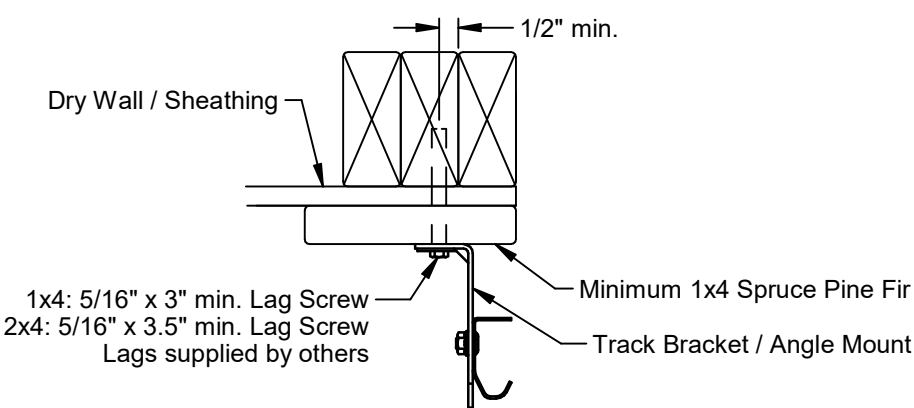
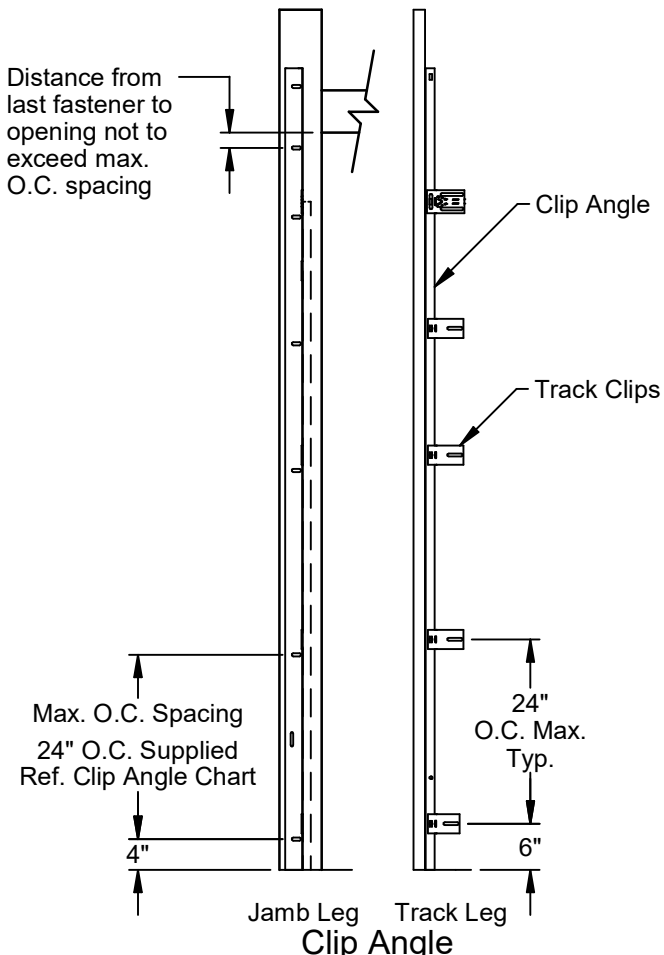
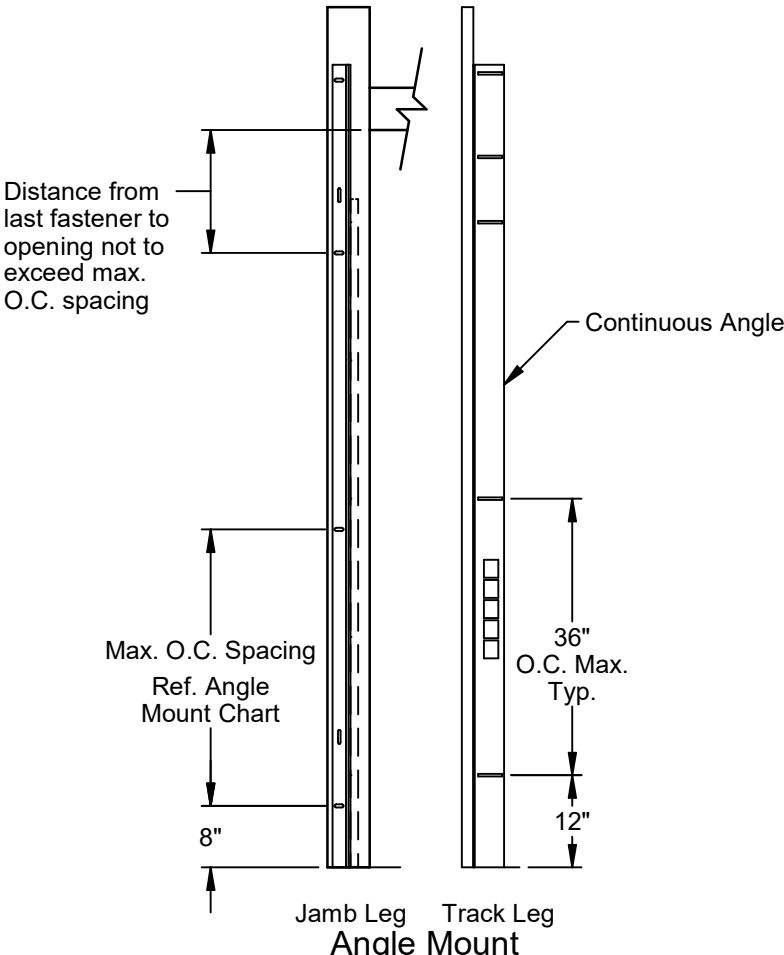
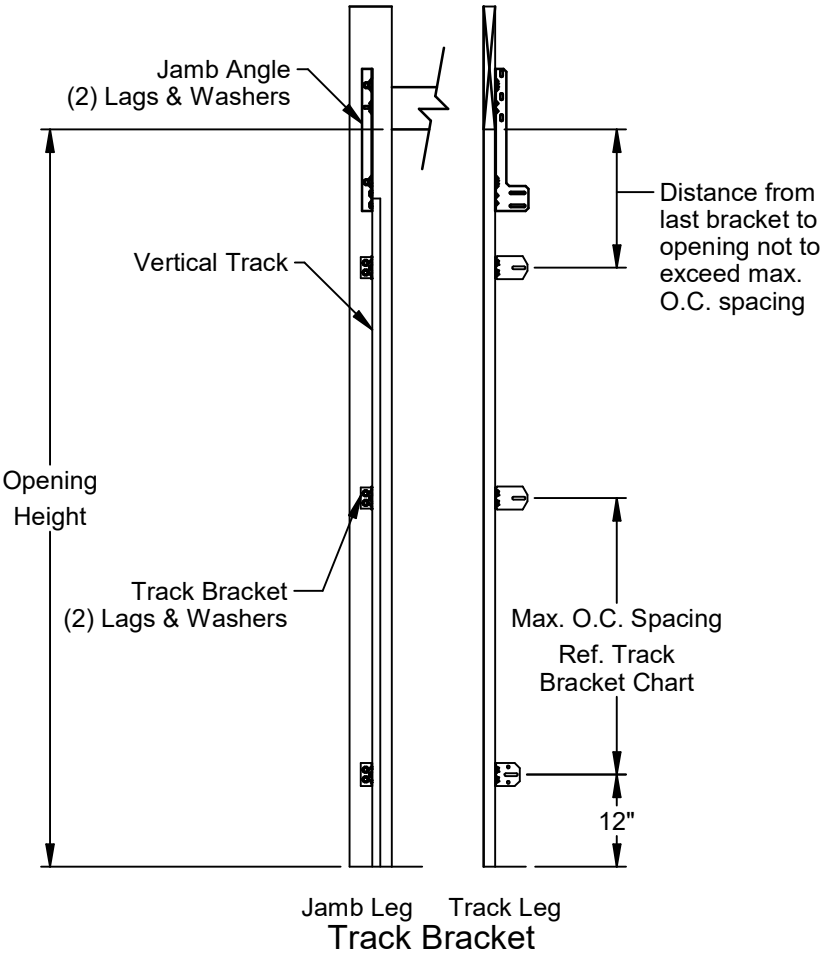


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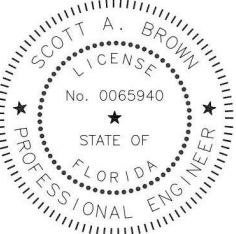
Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load TH160, TM175, TM200, TM220	
Drawn by: G. Wedekind		No. P-2423	Sheet 2
Checked by: G. Wedekind			
Date: 02/15/13			
ECO: 6530.01			Rev F



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

Attachment over Drywall/Sheathing



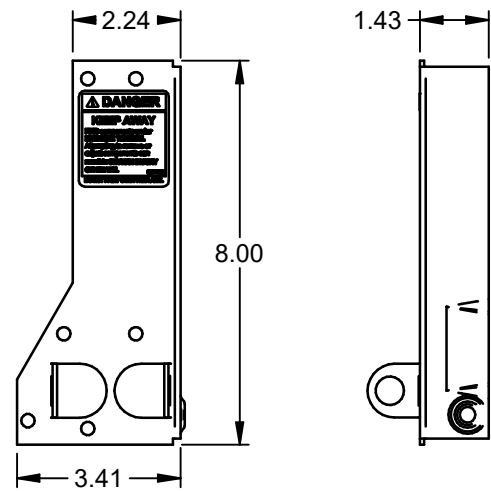
Scott A. Brown, P.E. Lic. No. 65940
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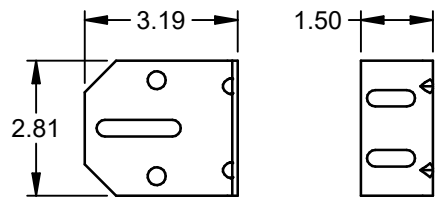
Jamb Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Allowable Tension Load (lbs.)	Track Bracket	Angle Mount	Clip Angle
					Max. on Center Spacing	Max. on Center Spacing	Max. on Center Spacing
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	893	N/A	36"	24"
	1/4" Tapcon+ (Plus) with 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	36"	18"	*12"
Grout Filled CMU Block	3/8" Simpson Titen HD	2-3/4"	4"	480	N/A	18"	24"

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

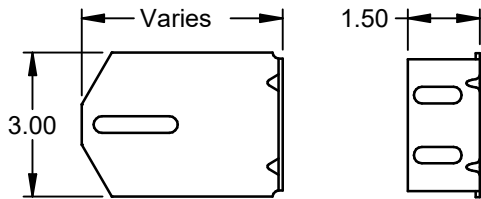
Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load TH160, TM175, TM200, TM220	
Drawn by: G. Wedekind		No. P-2423	Sheet 3 Rev F
Checked by: G. Wedekind			
Date: 02/15/13			
ECO: 6530.01			



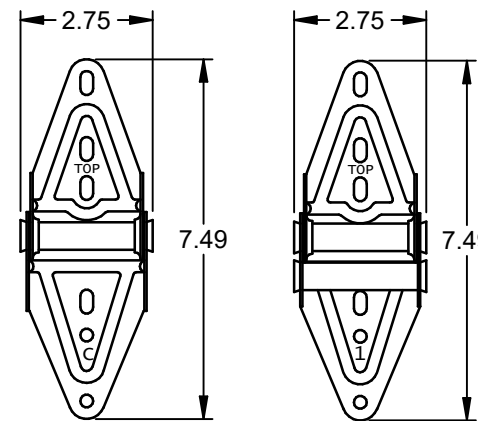
Corner Bracket
.086 Galv. Steel



3" Track Bracket
.116 Galv. Steel

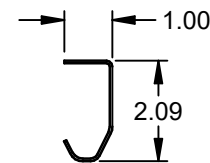


Track Bracket
.116 Galv. Steel

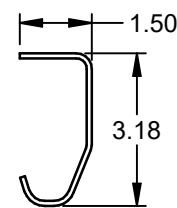


Center Hinge
.045 Galv. Steel

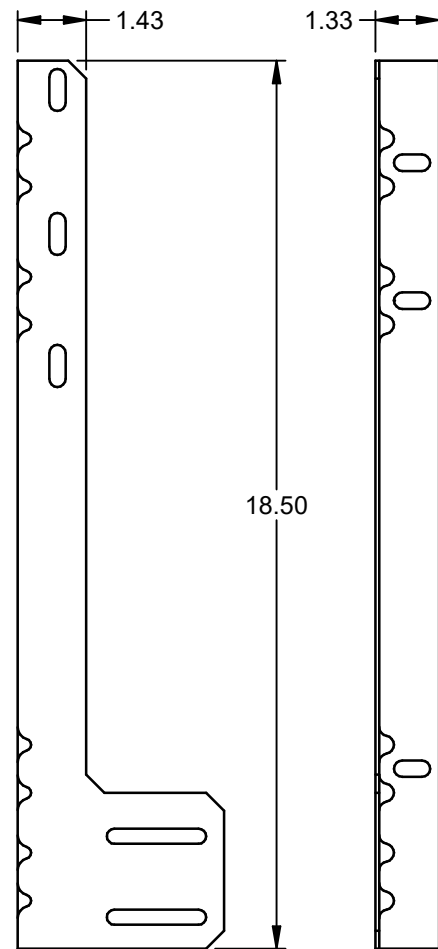
Edge Hinge
.086 Galv. Steel



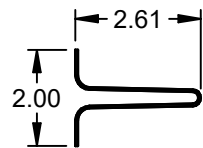
2" Track
.055 Galv. Steel



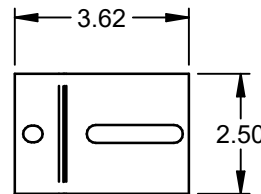
3" Track (Optional)
.105 Galv. Steel



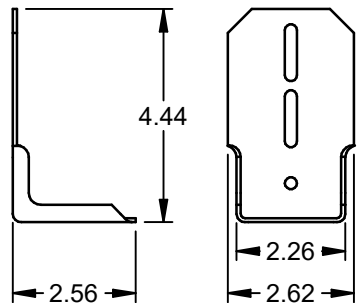
Jamb Angle
.078 Galv. Steel



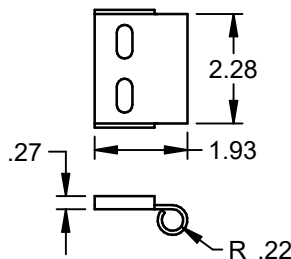
Steel U-bar
18 Ga. (.049 min.) Galvanized
High Tensile Steel
80 KSI Minimum Yield



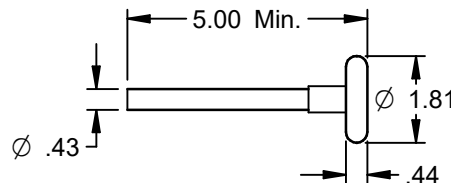
Track Clip (Opt.)
.09 Galv. Steel



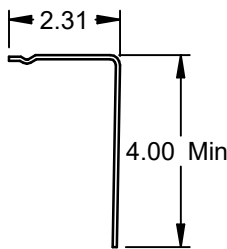
Top Fixture
.085 Galv. Steel



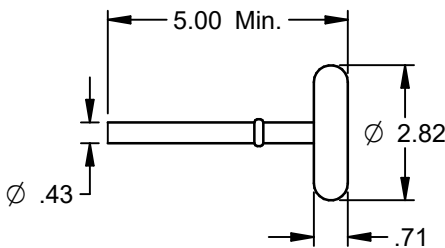
Roller Carrier
.085 Galv. Steel
Attached to Top Fixture
w/(2) Track Bolts and Whiz Nuts



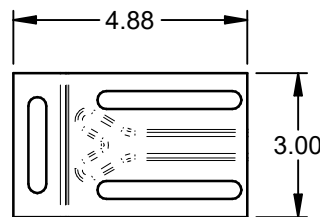
2" Roller
Nylon 11-ball (Std.)
Steel 10-ball (Opt.)



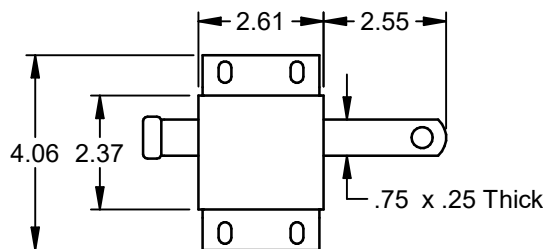
2" Angle Mount (Opt.)
.086 Galv. Steel



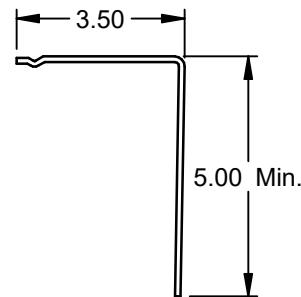
3" Roller
Steel 10-ball (Opt.)



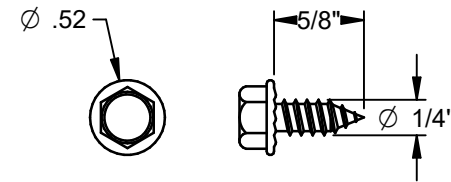
Track Splice Clip (Opt.)
.105 Galv. Steel



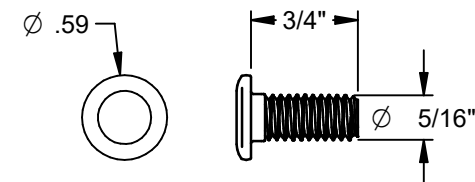
Slide Lock
Case .086 Galv. Steel



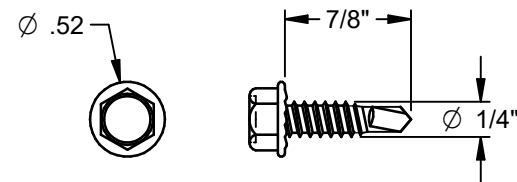
3" Angle Mount (Opt.)
.086 Min. Galv. Steel



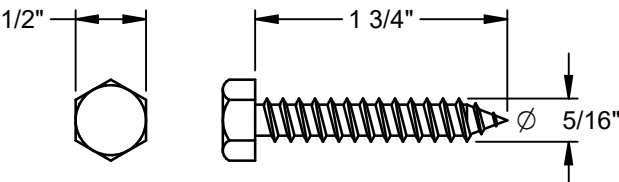
Sheet Metal Screw



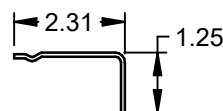
Track Bolt



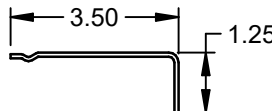
Self-Drilling Screw



Hex Head Lag Screw

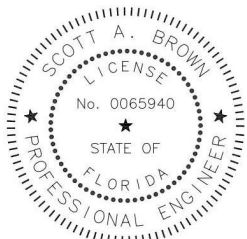


2" Clip Angle (Opt.)
.086 Galv. Steel



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

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



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Title: Spec, Wind Load TH160, TM175, TM200, TM220		
No. P-2423	Sheet 4	Rev F