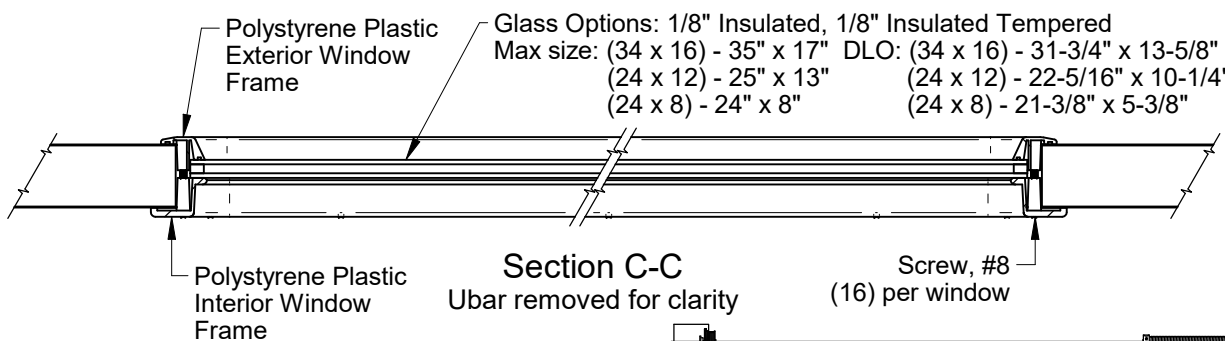
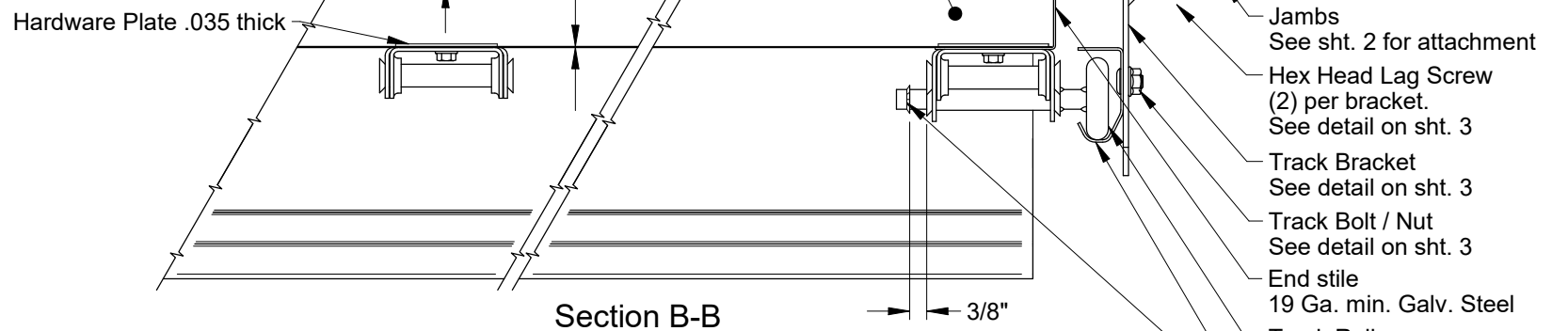


Interior Skin
 .015 Thick G-40 galvanized steel with an epoxy primer and baked on polyester finish which is roll-formed with a texture embossed skin.

Exterior Skin
 .015 Thick G-40 galvanized steel with an epoxy primer and baked on polyester finish which is roll-formed with a texture embossed skin.

Hardware Plate .035 thick

Insulation Core
 Expanded Polystyrene



Door Height
 8'-0" High shown
 Other door heights available up to 18'-0" using 21" or 24" high sections

Windows (Optional)
 One row maximum
 34" x 16" Shown
 24" x 12"
 24" x 8"

Steel Reinforcement
 (1) Box strut per section,
 (2) ubar on window section fastened to all center and end stiles using (2) self-drilling screws at each stile.

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

Retaining Nut
 7/16" push on retaining nut
 (1) req'd per roller.
 See detail on sht. 3

Jamba
 See sht. 2 for attachment

Hex Head Lag Screw
 (2) per bracket.
 See detail on sht. 3

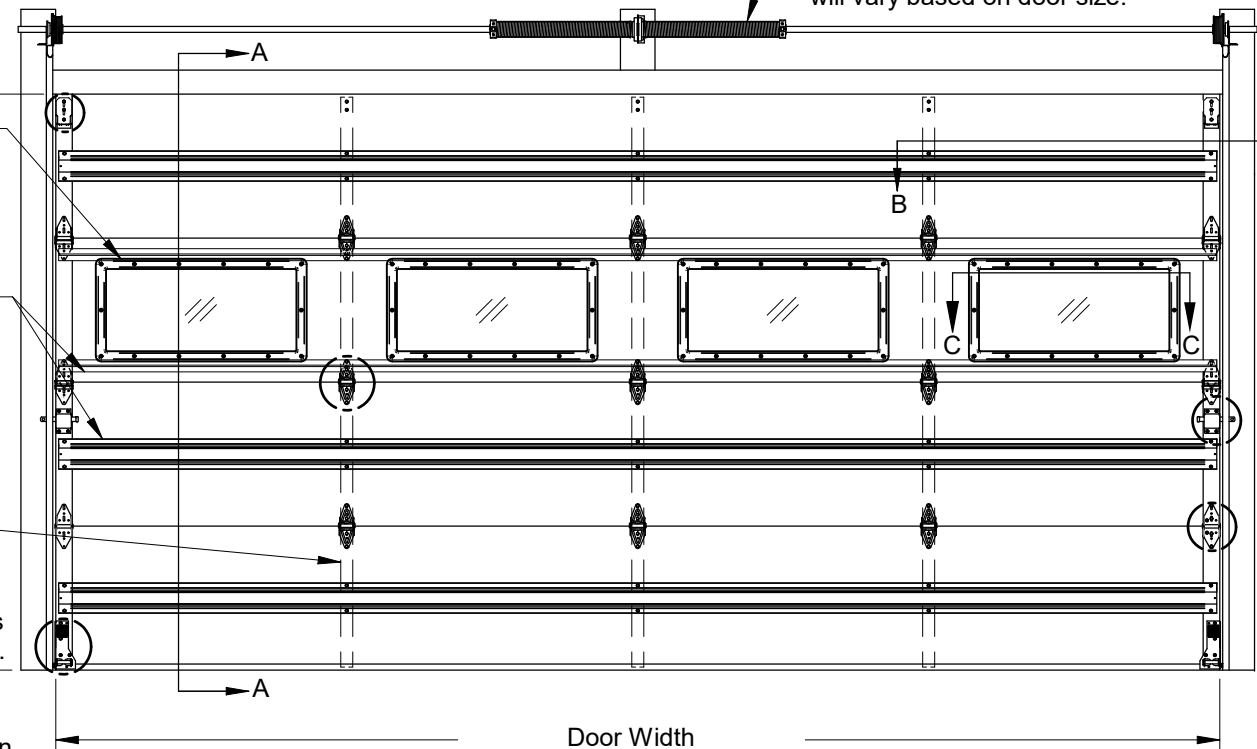
Track Bracket
 See detail on sht. 3

Track Bolt / Nut
 See detail on sht. 3

End stile
 19 Ga. min. Galv. Steel

Track Roller
 See detail on sht. 3

Track, 2" shown, 3" optional
 See detail on sht. 3



Door Width
 See chart for other door widths (16'-2" shown)
Interior Elevation

Doors tested per ANSI/DASMA 108 for static air pressure

EC224 / EC200			
Maximum Door Width	Ctr. Hngs. per Sect.	Design Loads	
Up to 8'-2"	1	57.5	-66.7
9'-2"		51.1	-59.3
10'-2"		49.3	-55.7
12'-2"	2	41.1	-46.4
14'-2"		31.8	-37.8
16'-2"	3	27.8	-33.1
18'-2"		18.6	-20.8
20'-2"	4	16.8	-18.7



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 FBPE CA Lic. No. 31544
 Structural Adequacy for Wind Load

Rev.	Description	ECO	Date
A	New release for production.	8593.03	10/04/22

Scale: None
Drawn by: R. Frey
Checked by: G. Wedekind
Date: 10/04/22
ECO: 8593.03

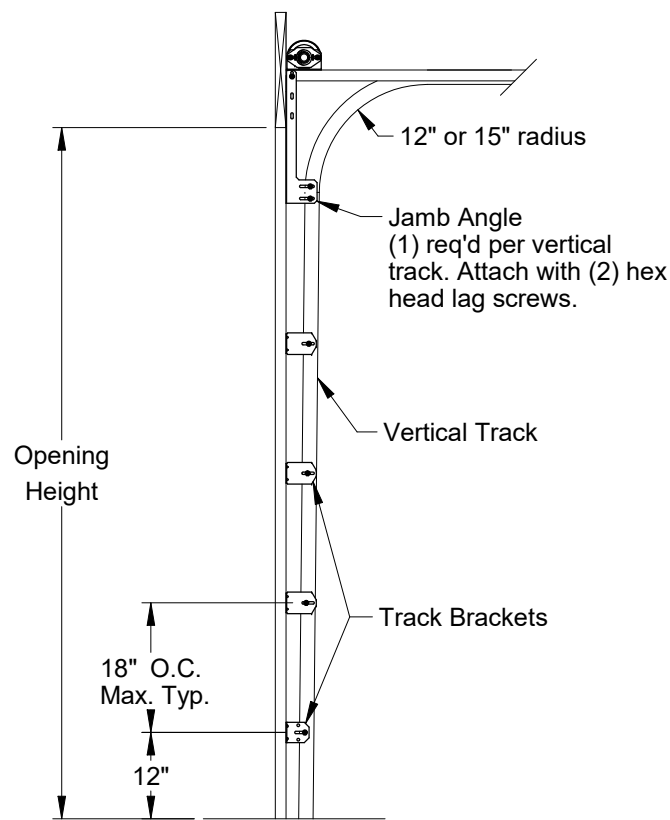
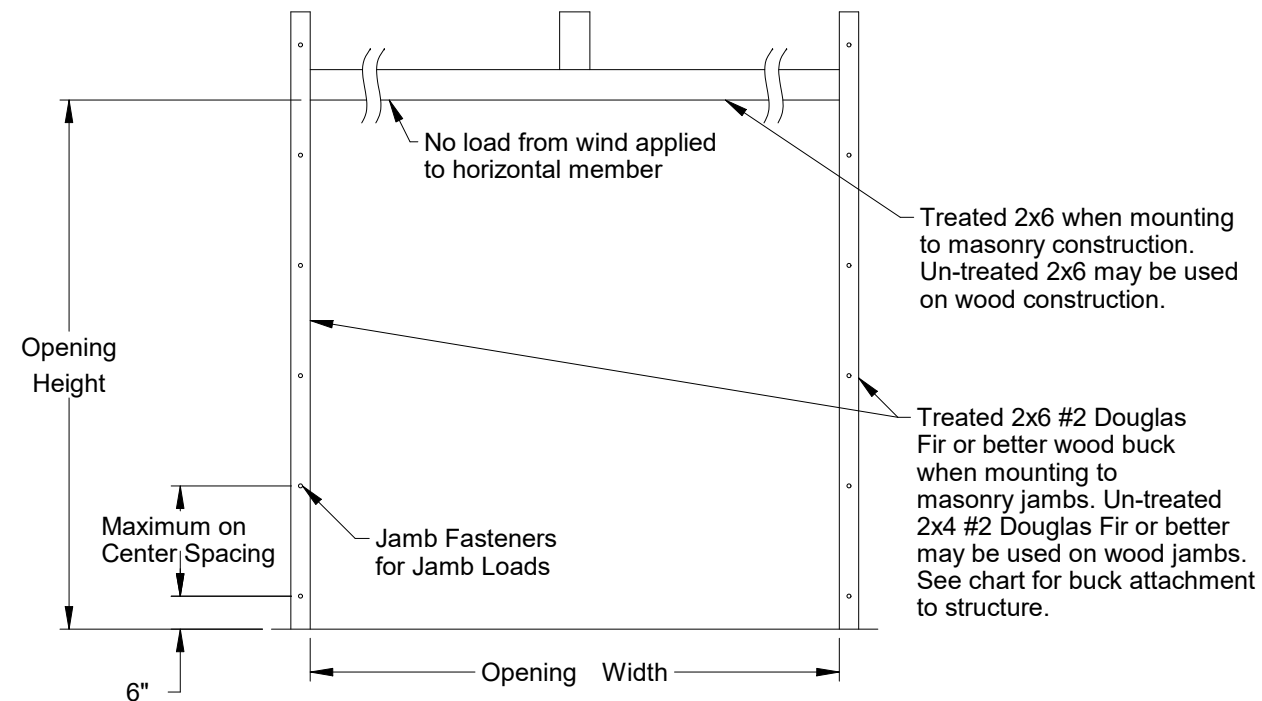


Title: Spec, Wind Load EnergyCore	
No. P-2483	Sheet 1 of 4
Rev A	

Jamb Attachment Notes:

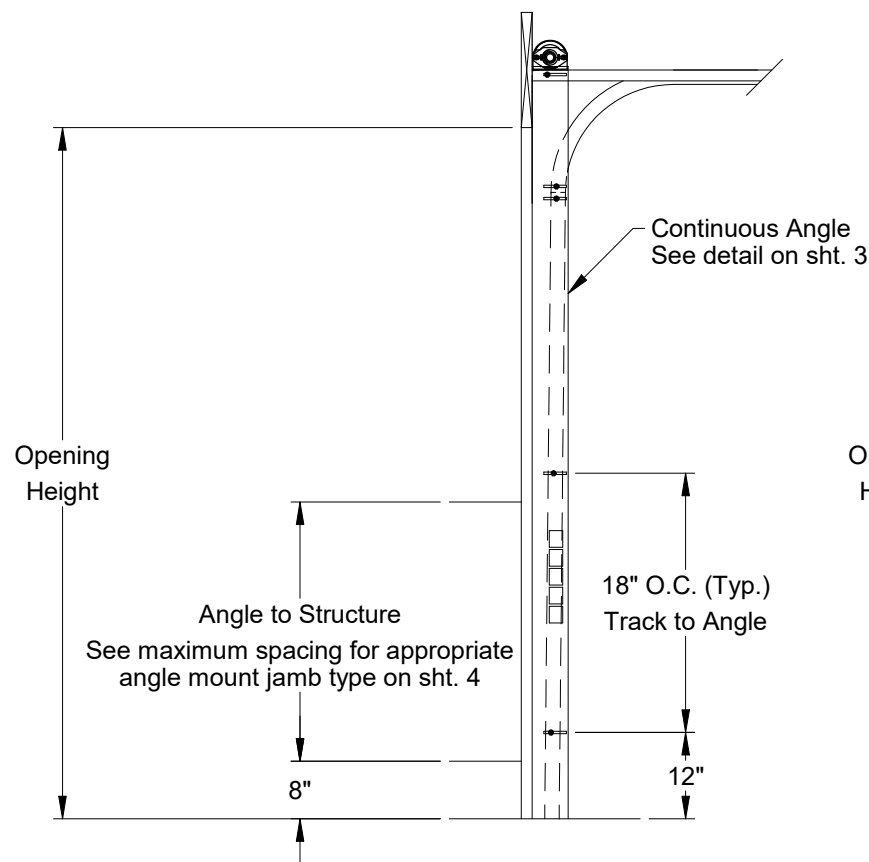
1. Maximum Positive Load per Jamb = $(10'-2" \times 49.3 \text{ PSF}) / 2 = 251 \text{ lbs. per foot.}$
2. Maximum Negative Load per Jamb = $(10'-2" \times -55.7 \text{ PSF}) / 2 = 284 \text{ lbs. per foot.}$
3. Design of the supporting structure shall be the sole responsibility of the building designer and shall be designed for the jamb loads listed in notes 1 and 2.
4. Alternate jamb attachments may be used if approved by a registered Professional Engineer.
5. DASMA Technical Data Sheet TDS-161 may be used for alternate jamb attachments.
6. 3/8" diameter lag screws required 1/4" pilot hole and 1-1/2" minimum required distance.
7. 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"	23"	482



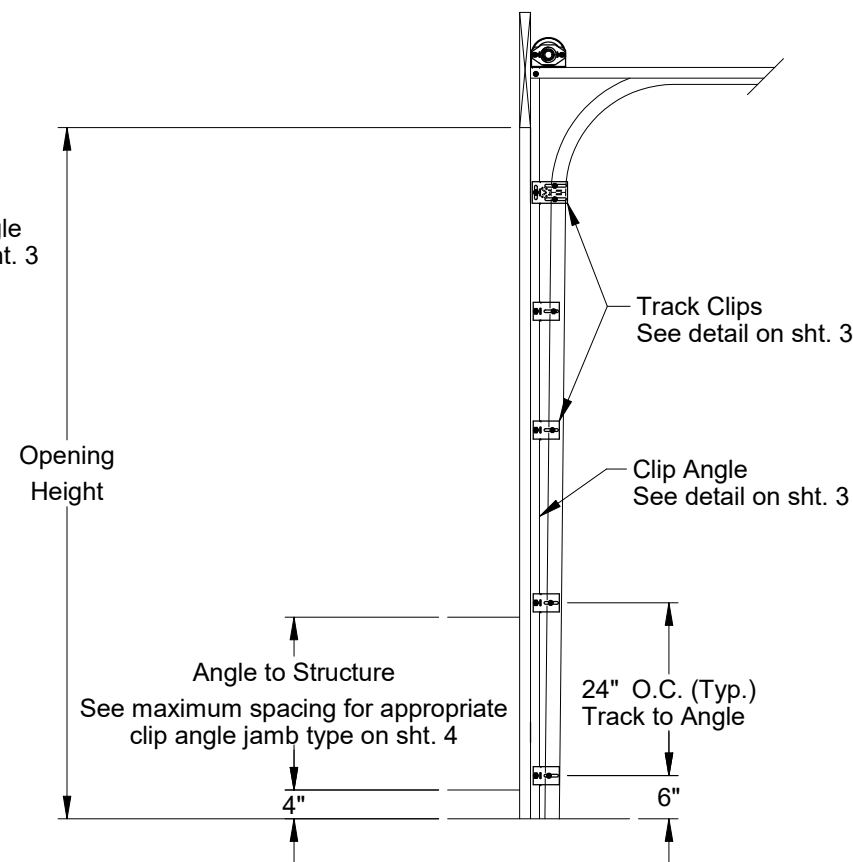
**Typical Track Installation
Bracket Mount
Wood Jamba**

Normal headroom track shown, low headroom, lift clearance and vertical lift track available.



**Typical Track Installation
Angle Mount
Wood, Steel or Concrete Jamba**

Normal headroom track shown, low headroom, lift clearance and vertical lift track available.



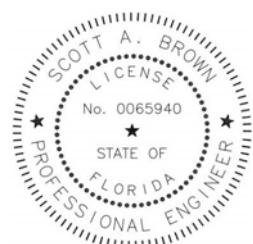
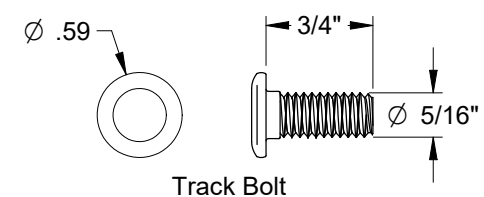
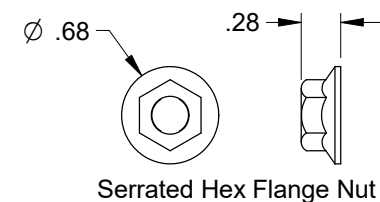
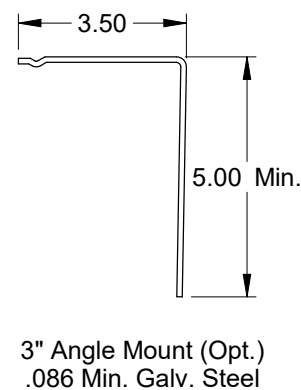
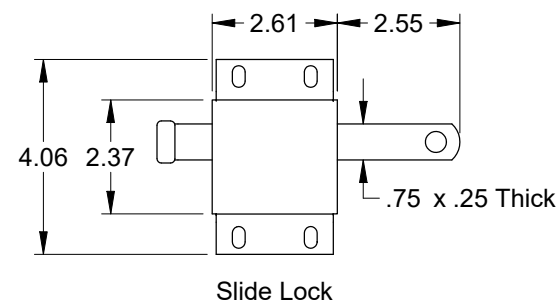
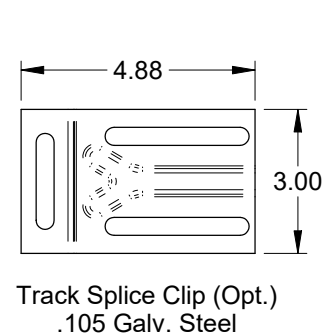
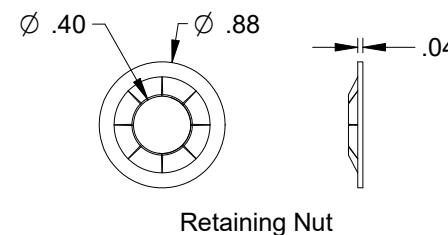
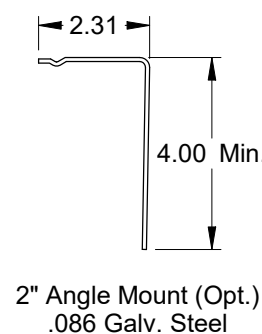
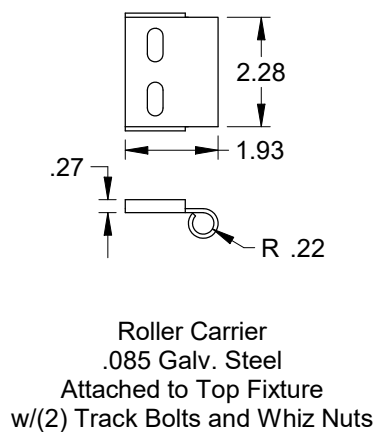
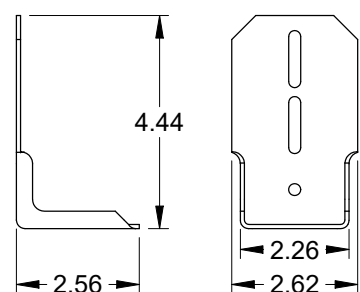
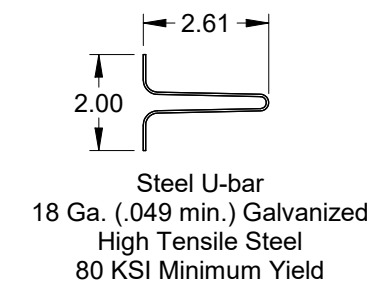
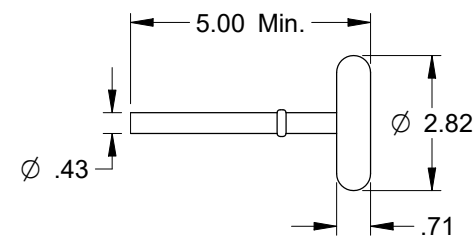
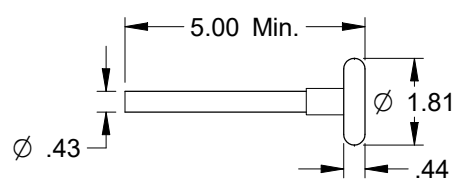
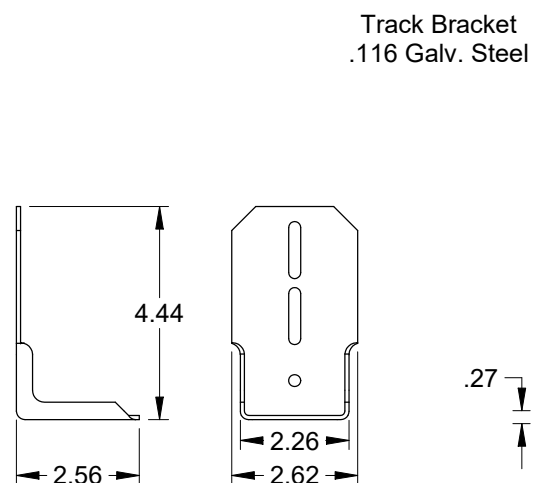
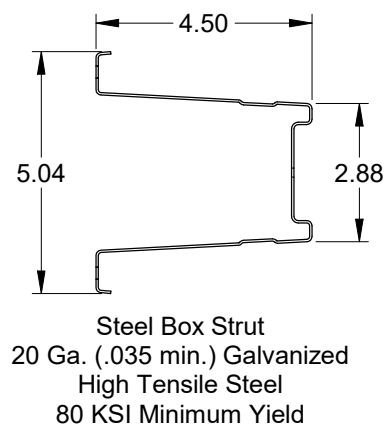
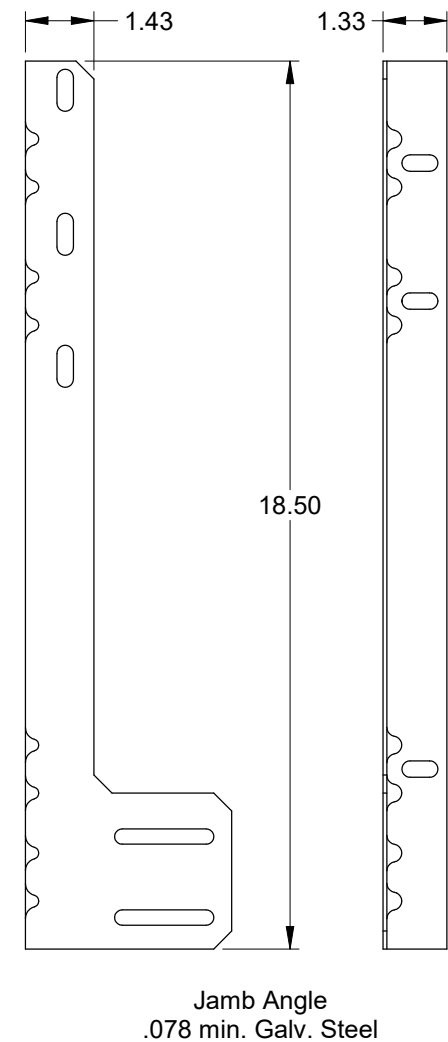
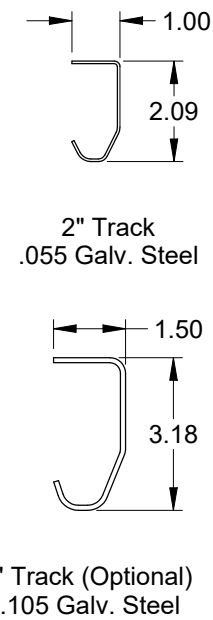
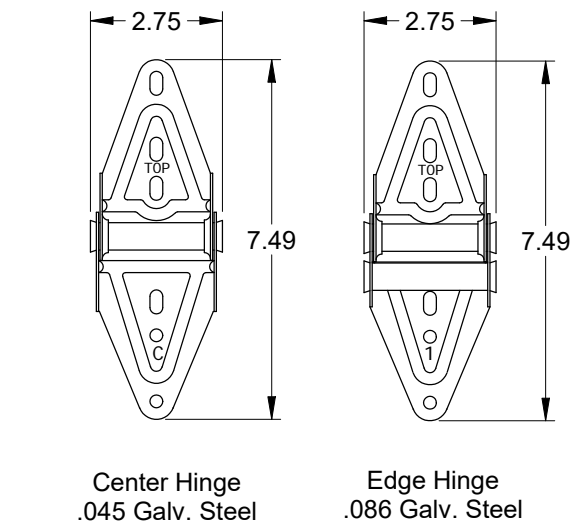
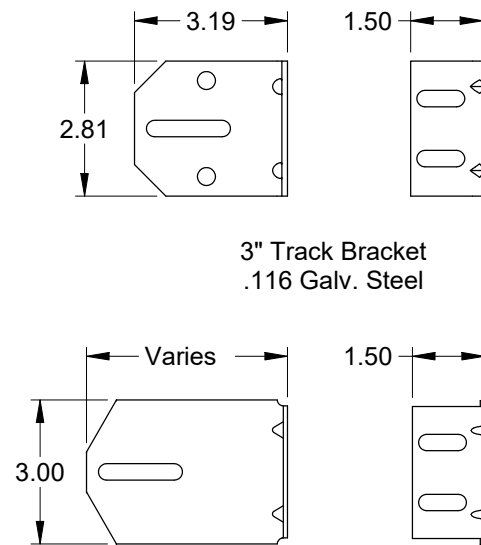
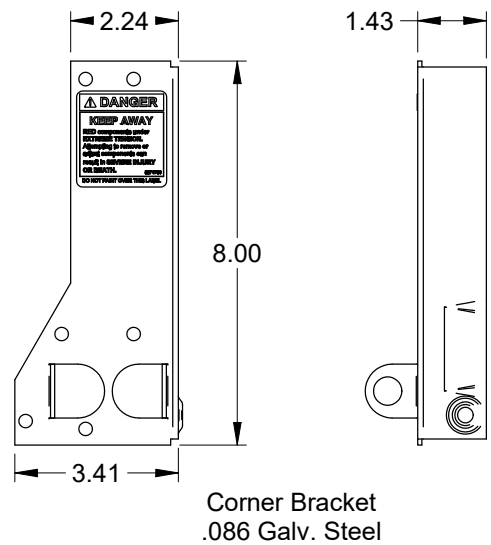
**Typical Track Installation
Pre-Assembled Clip Angle
Wood, Steel or Concrete Jamba**

Normal headroom track shown, lift clearance and vertical lift track available.

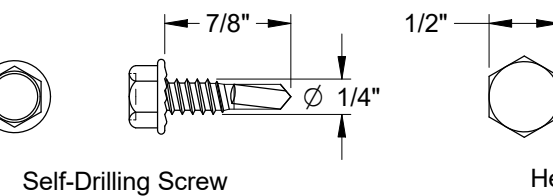
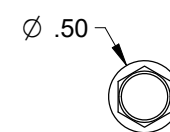
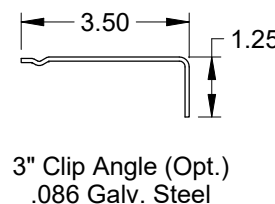
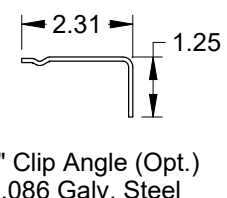
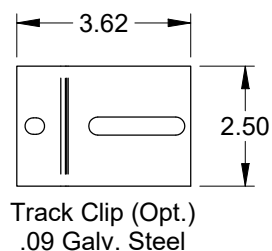


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FBPE CA Lic. No. 31544
Structural Adequacy for Wind Load

Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load EnergyCore	
Drawn by: R. Frey		No. P-2483	Sheet 2
Checked by: G. Wedekind			
Date: 10/04/22			
ECO: 8593.03			



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

Scale: None
Drawn by: R. Frey
Checked by: G. Wedekind
Date: 10/04/22
ECO: 8593.03

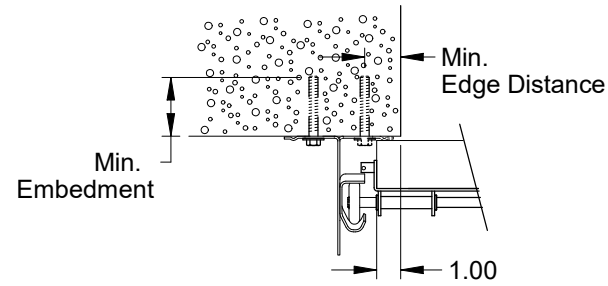


1101 East River Road
Dixon, IL 61021

Title: Spec, Wind Load EnergyCore		
No. P-2483	Sheet 3	Rev A

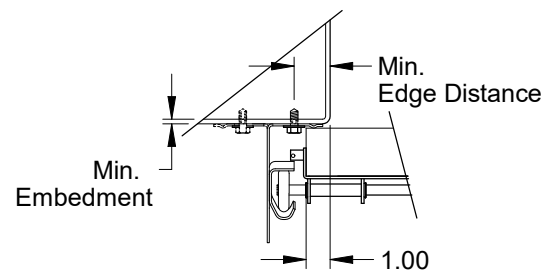
Angle Mount					
Jamb Type	Fastener Type	Minimum Embedment (in.)	Minimum Edge Distance (in.)	Maximum on Center Spacing (in.)	Allowable Tension Load (lbs.)
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	36"	893
	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	18"	687
	1/4" x 2-5/8" Screw-Bolt+ with 9/16" OD Washer	2-1/2"	1-1/2"	18"	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"	12"	352
Grout Filled CMU Block	3/8" Simpson Titen HD	2-3/4"	4"	18"	480

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



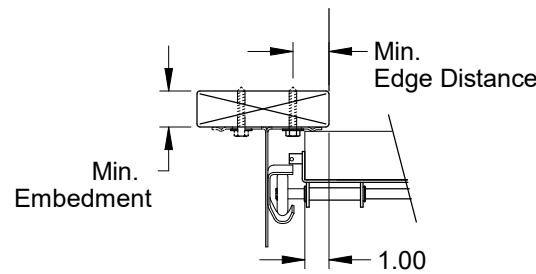
Track Assembly Attachment to 2500 PSI Min. Concrete

2" Angle mount turned-out standard (solid)
2" Angle mount turned-in optional (dashed)
3" Angle mount available



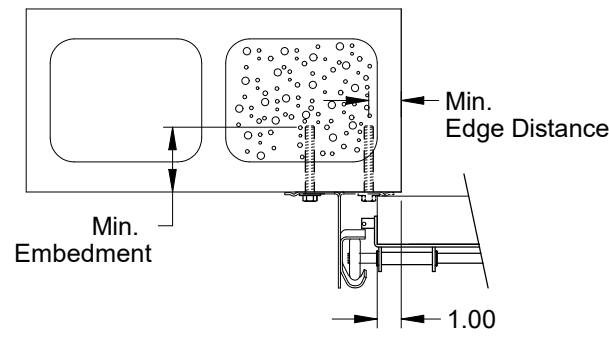
Track Assembly Attachment to 3/16" Min. Steel Jamb

2" Angle mount turned-out standard (solid)
2" Angle mount turned-in optional (dashed)
3" Angle mount available



Track Assembly Attachment to Wood Jamb

2" Angle mount turned-out standard (solid)
2" Angle mount turned-in optional (dashed)
3" Angle mount available



Track Assembly Attachment to Grout Filled CMU Block

2" Angle mount turned-out standard (solid)
2" Angle mount turned-in optional (dashed)
3" Angle mount available

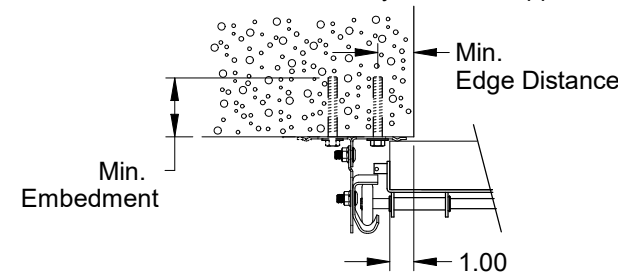


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Wendler Engineering Services, Inc.
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FBPE CA Lic. No. 31544
Structural Adequacy for Wind Load

Pre-Assembled 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"	*12"	352
Grout Filled CMU Block	3/8" Simpson Titen HD	2-3/4"	4"	*12"	480

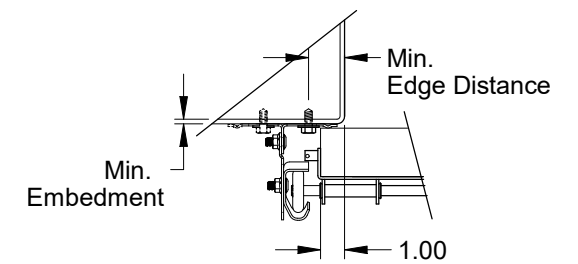
* Field drilling req'd.

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



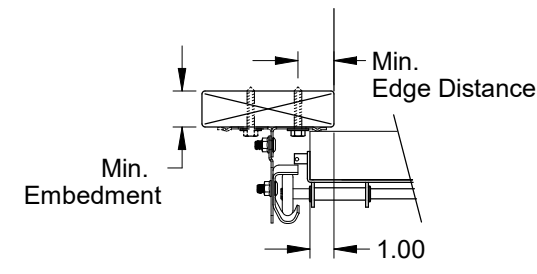
Pre-Assembled Track Assembly Attachment to 2500 PSI Min. Concrete

2" Clip angle turned-in standard (solid)
2" Clip angle turned-out optional (dashed)
3" Clip angle available



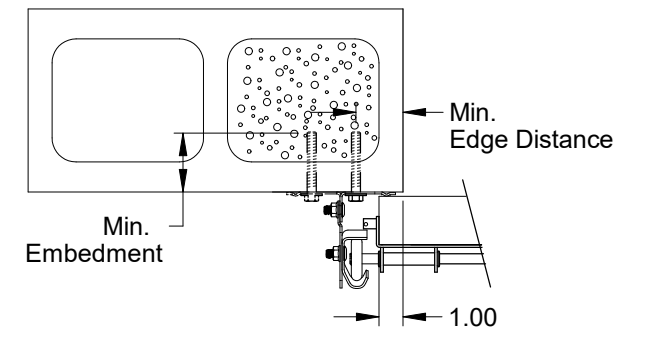
Pre-Assembled Track Assembly Attachment to 3/16" Min. Steel Jamb

2" Clip angle turned-in standard (solid)
2" Clip angle turned-out optional (dashed)
3" Clip angle available



Pre-Assembled Track Assembly Attachment to Wood Jamb

2" Clip angle turned-in standard (solid)
2" Clip angle turned-out optional (dashed)
3" Clip angle available



Pre-Assembled Track Assembly Attachment to Grout Filled CMU Block

2" Clip angle turned-in standard (solid)
2" Clip angle turned-out optional (dashed)
3" Clip angle available

Scale: None
Drawn by: R. Frey
Checked by: G. Wedekind
Date: 10/04/22
ECO: 8593.03



Title: Spec, Wind Load EnergyCore	
No. P-2483	Rev A
Sheet 4	