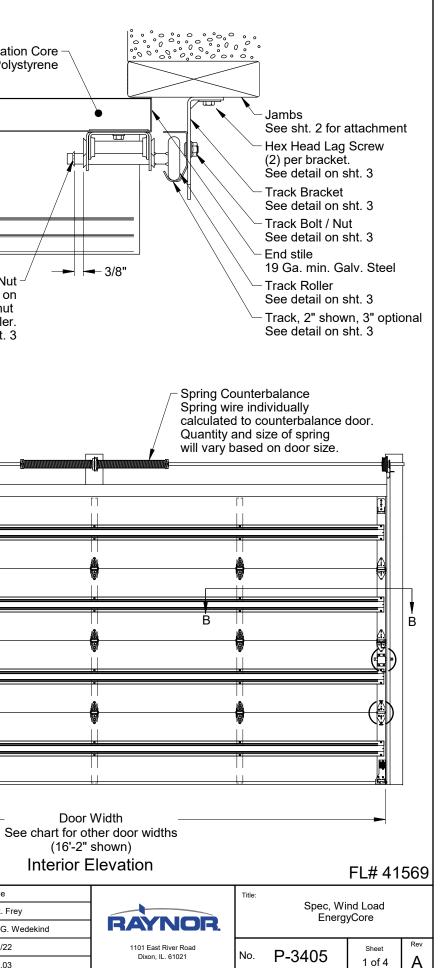
P-3405 - 2" Section Thickness Interior Skin .015 Thick G-40 galvanized steel with an epoxy primer and Top Fixture baked on polyester finish which is roll-formed with a texture See detail on sheet 3 embossed skin. Exterior Skin \cap .015 Thick G-40 galvanized steel with an Insulation Core Self-drilling Screw - Top Section Expanded Polystyrene epoxy primer and baked on polyester finish (3) Req'd per top fixture 0 which is roll-formed with a texture embossed skin. **Top Fixture** Hardware Plate .035 thick Attachment Self-drilling screw Center Hinge (4) Req'd per See detail on sheet 3 center hinge. Section B-B Retaining Nut **Center Hinge** 7/16" push on retaining nut Intermediate Attachment (1) reg'd per roller. Sections 00 See detail on sht. 3 Self-drilling Screw 0 0 Self-drilling Screw 000 Box Strut Edge Hinge (4) Req'd per (6) Req'd per See detail on sheet 3 corner bracket edge hinge. Edge Hinge Attachment Ο Corner Bracket See detail on sheet 3 ► A **Corner Bracket** Bottom (\square) Attachment Section Steel Reinforcement (1) Box strut per section fastened to all center and end stiles using (2) self-drilling screws Astragal Door Height at each stile. Retainer Self-drilling Screw Slide Lock 8'- 0" High shown (4) Req'd Section A-A See detail on sheet 3 Other door Ø O ð heights available up O) Embedded to 18'-0" using Hardware Plates Track 21" or 24" End Stile 0 0 high sections Doors tested per ANSI/DASMA 108 0 for static air pressure and **Optional Interior Lock** Locks required on doors ANSI/DASMA 115 Attachment not electrically operated. for large missile impact and 0065940 cyclic wind pressure * Vents (Optional) ► A STATE OF EC224 / EC200 Vent openings may be Maximum Ctr. Hngs. located in bottom section Design Loads NAI Door Width per Sect. as allowed by local code ////// Up to 8'-2" 52.5 -61.8 1 9'-2" Scott A. Brown, P.E. Lic. No. 65940 Wendler Engineering Services, Inc. 698 Timber Creek Road, Dixon, IL 61021 10'-2" 2 41.1 -46.4 Scale: None FBPE CA Lic. No. 31544 12'-2" Structural Adequacy for Wind Load Drawn by: R. Frey 14'-2" 3 27.8 -33.1 16'-2" Checked by: G. Wedekind 18'-2" Date: 10/04/22 А 8593.03 10/04/22 New release for production 4 19.3 -21.5 Printed copies of this document are not considered signed and sealed and 20'-2" the SHA authentication code must be verified on any electronic copies. ECO ECO: 8593.03 Description Date

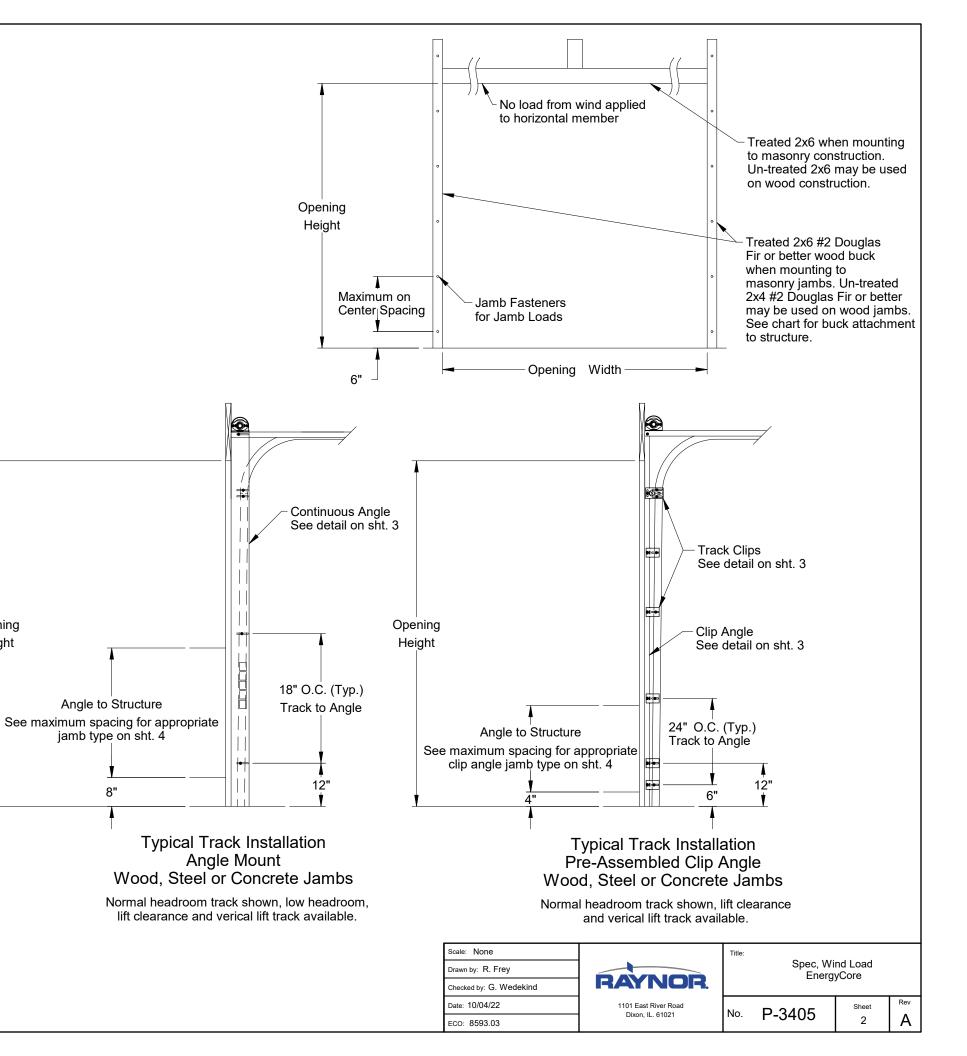


P-3405

Jamb Attachment Notes:

- 1. Maximum Positive Load per Jamb = (12'-2" x 41.1 PSF) / 2 = 251 lbs. per foot.
- 2. Maximum Negative Load per Jamb = (9'-2" x -61.8 PSF) / 2 = 284 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



•	12" or 15" radius
	Jamb Angle (1) req'd per vertical track. Attach with (2) hex head lag screws.
Opening	Vertical Track
Height	
18" O.C. Max. Typ.	Track Brackets
12" <u>3</u> "	
Brack	ack Installation ket Mount d Jambs
Normal headroom t	rack shown, low headroom,

lift clearance and verical lift track available.

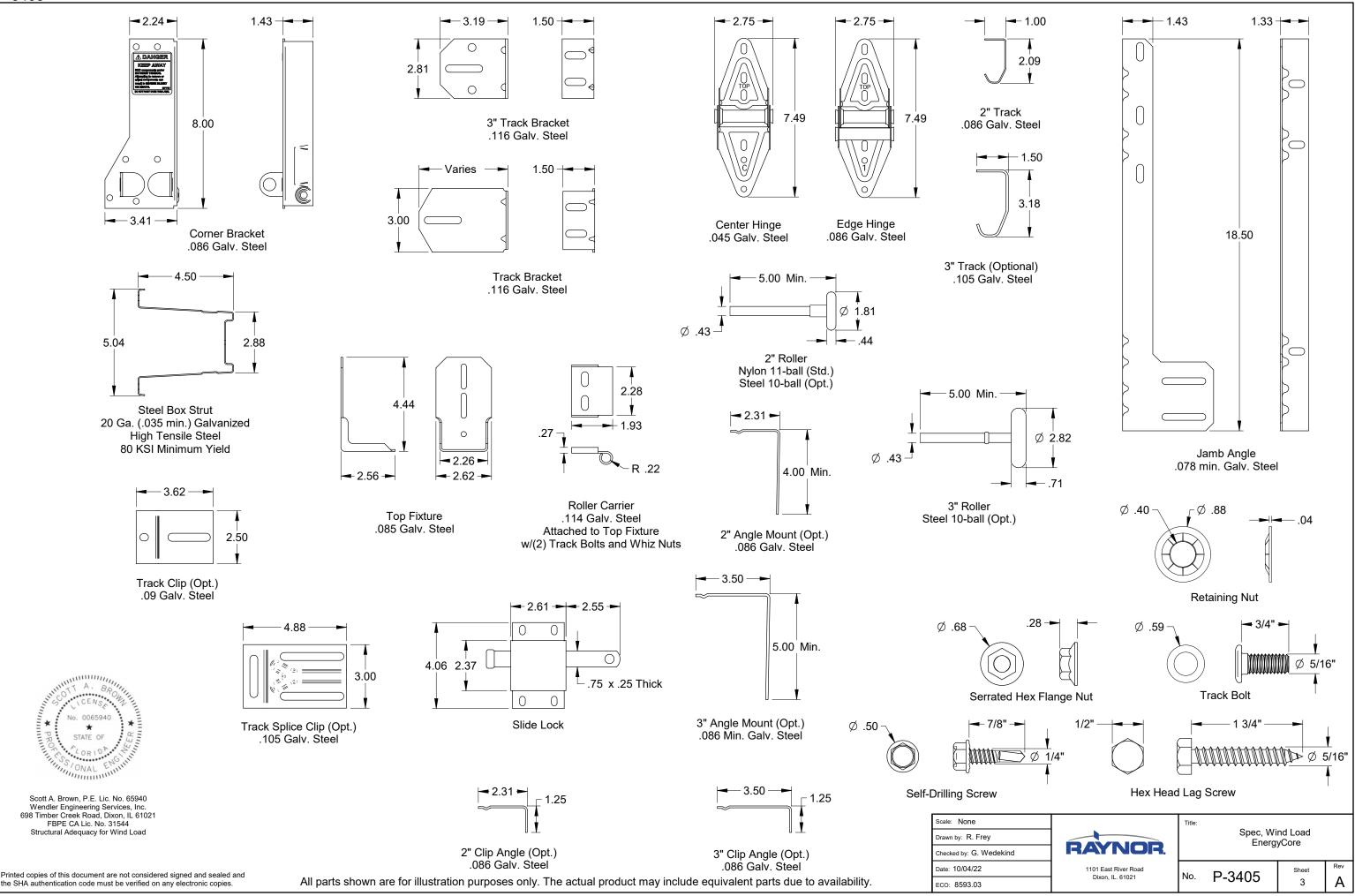
Opening

Height



Scott A. Brown, P.E. Lic. No. 65940 Wendler Engineering Services, Inc. 698 Timber Creek Road, Dixon, IL 61021 FBPE CA Lic. No. 31544 Structural Adequacy for Wind Load





	Ang	gle Mount				
Jamb Type	Fastener Type	Minimum Embedment (in.)	Minimum Edge	Maximum on Center Spacing (in.)	Tension Load	
2500 PSI Min. Concrete	3/8" ITW Trubolt	3/8" ITW Trubolt 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	

Min.

-1.00

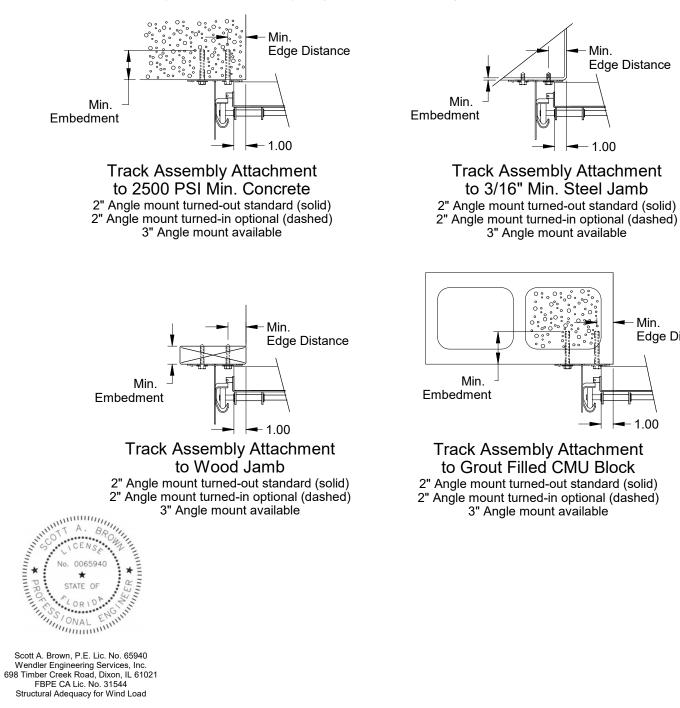
Edge Distance

Min

- 1 00

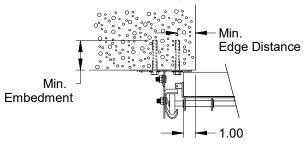
Edge Distance

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

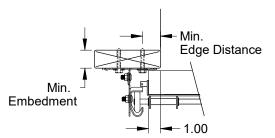


	Pre-Asser	nbled Clip An	ngle		
Jamb Type	Fastener Type	Minimum Embedment (in.)	Minimum Edge Distance (in.)	Maximum on Center Spacing (in.)	Allowable Tension Load (Lbs.)
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	24"	893
	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	24"	687
	1/4" x 2-5/8" 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

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



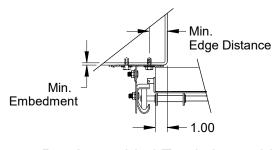
Pre-Assembled Track Assembly Attachment to 2500 PSI Min. Concrete 2" Clip angle turned-in standard (solid) 2" Clip angle turned-out optional (dashed) 3" Clip angle available



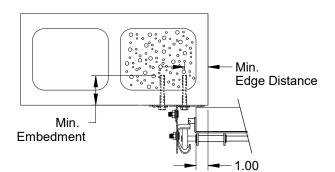
Pre-Assembled Track Assembly Attachment to Wood Jamb 2" Clip angle turned-in standard (solid) 2" Clip angle turned-out optional (dashed) 3" Clip angle available

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

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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 to Grout Filled CMU Block 2" Clip angle turned-in standard (solid) 2" Clip angle turned-out optional (dashed) 3" Clip angle available

