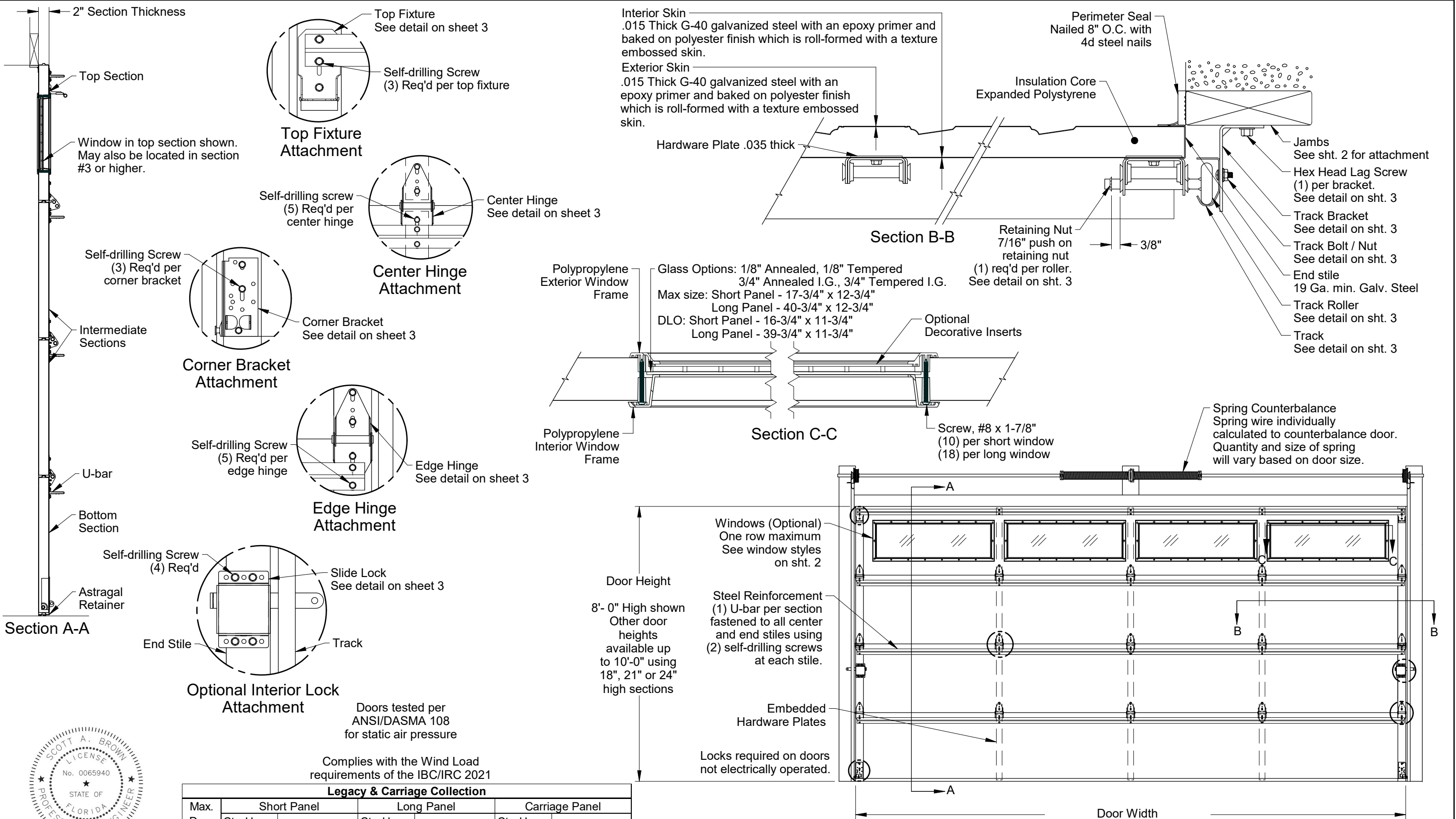


Scott A. Brown, P.E. Lic. No. 65940
Willett, Hofmann & Associates, Inc.
809 E. 2nd Street, Dixon, IL 61021
FBPE CA Lic. No. 35415
Structural Adequacy for Wind Load

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Date: 2024.02.19 17:46:16-06'00'

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Legacy & Carriage Collection									
Max. Door Width	Short Panel		Long Panel		Carriage Panel				
	Ctr. Hngs. per Sect.	Design Loads	Ctr. Hngs. per Sect.	Design Loads	Ctr. Hngs. per Sect.	Design Loads			
8'-0"	1	31.2 -36.9	1	31.2 -36.9	1	31.2 -36.9			
9'-0"	1	27.7 -32.8	1	27.7 -32.8	1	27.7 -32.8			
10'-0"	2	21.0 -23.8	1	22.4 -26.6	1	22.4 -26.6			
12'-0"	2	17.5 -19.8	2	17.5 -19.8	2	16.3 -21.2			
14'-0"	2	12.9 -14.5	2	12.9 -14.5	2	14.0 -18.2			
16'-0"	3	10.4 -11.6	3	10.4 -11.6	3	9.6 -10.5			

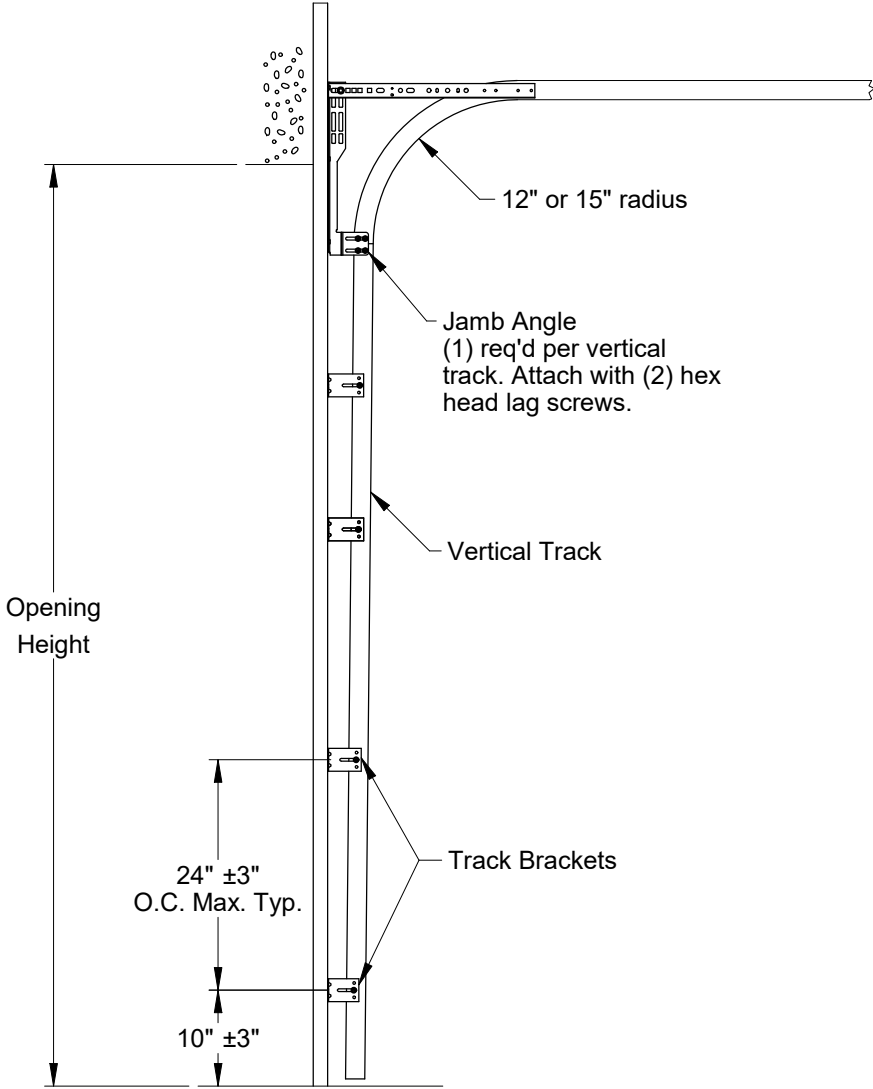
Wind loaded sectional doors are designed, tested, and sold by PSF.
The AHJ of a given jobsite is responsible for determining the appropriate PSF.

A	New drawing.	9019.01	01/10/24
	Description	ECO	Date
Rev.			

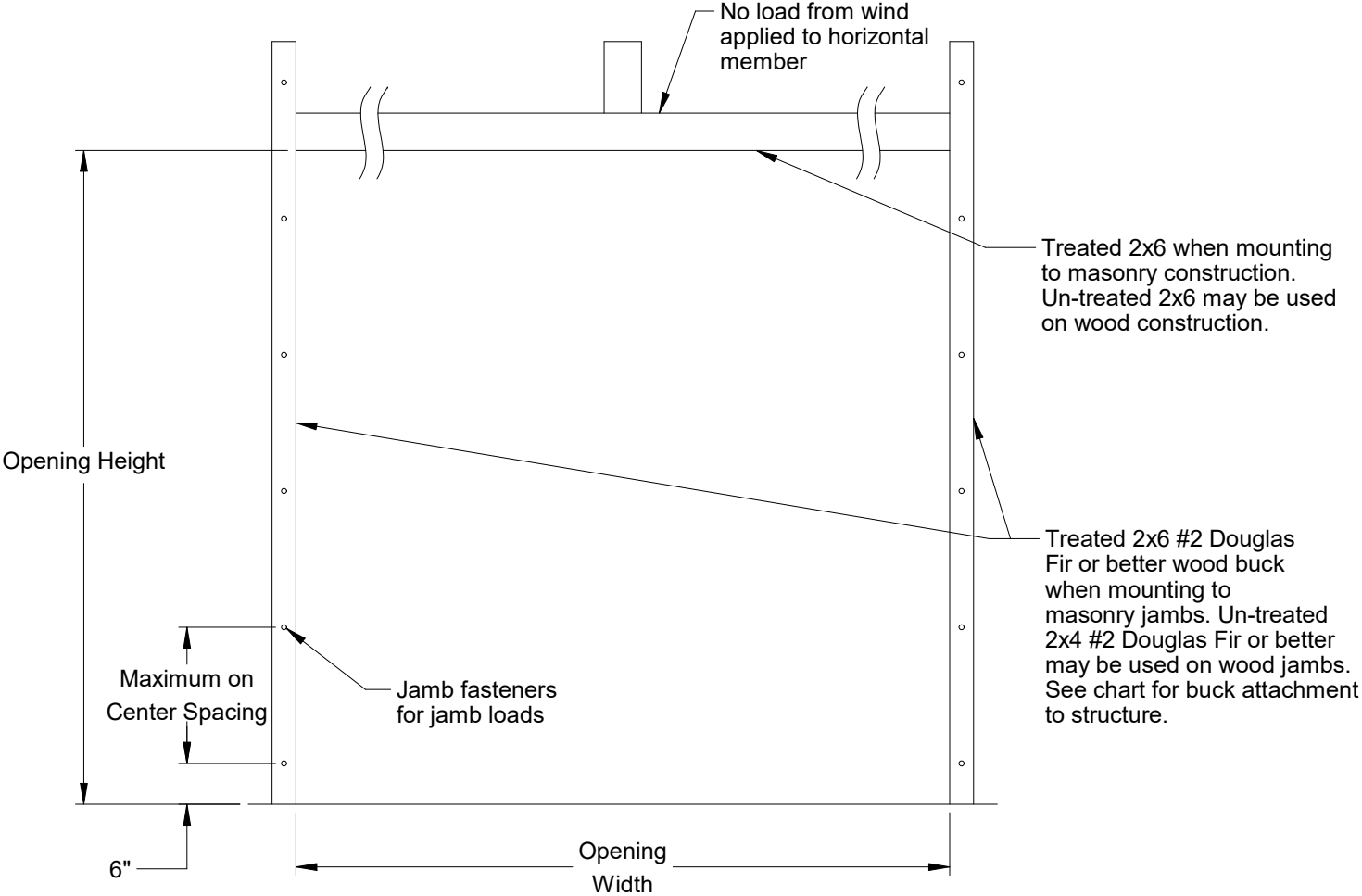
Scale: None
Drawn by: J. Poitras
Checked by: G. Wedekind
Date: 01/10/24
ECO: 9019.01



Title: Spec, Wind Load Legacy & Carriage Collection			
No.	P-6001	Sheet 1 of 3	Rev A

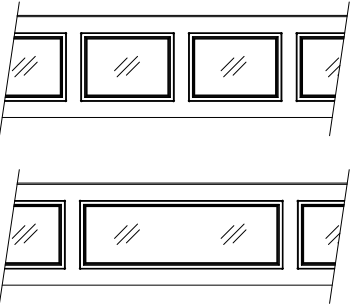


Typical Track Installation
Normal headroom track shown
Low headroom and lift clearance available



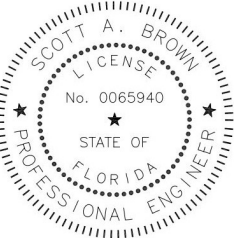
Jamb Attachment Notes:

1. Maximum Positive Load per Jamb = (8'-0" x 31.2 PSF) / 2 = 125 lbs. per foot.
2. Maximum Negative Load per Jamb = (8'-0" x -36.9 PSF) / 2 = 148 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 1/16" pilot hole and 1-1/2" minimum required distance.



Window Styles

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

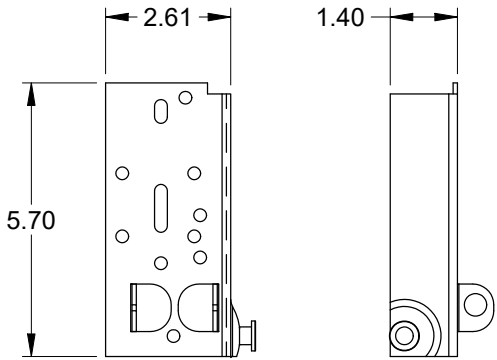


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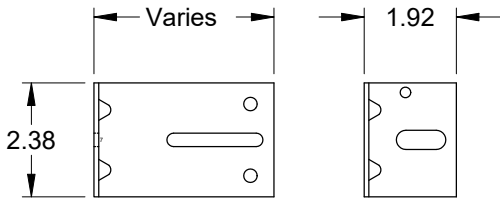
Scott A. Brown
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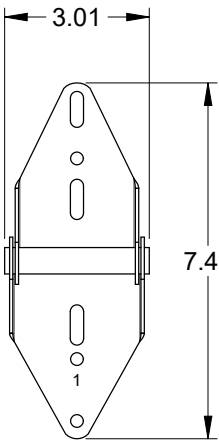
Scale: None	 6030 Gateway Drive Plainfield, IN 46168	Title: Spec, Wind Load Legacy & Carriage Collection	
Drawn by: J. Poitras			
Checked by: G. Wedekind			
Date: 01/10/24			
ECO: 9019.01		No. P-6001	Sheet 2
			Rev A



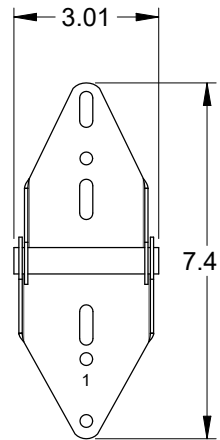
Corner Bracket
.085 min. Galv. Steel
Max. Door Weight = 325 Lbs.



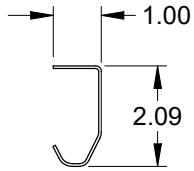
Track Bracket
.099 min. Galv. Steel



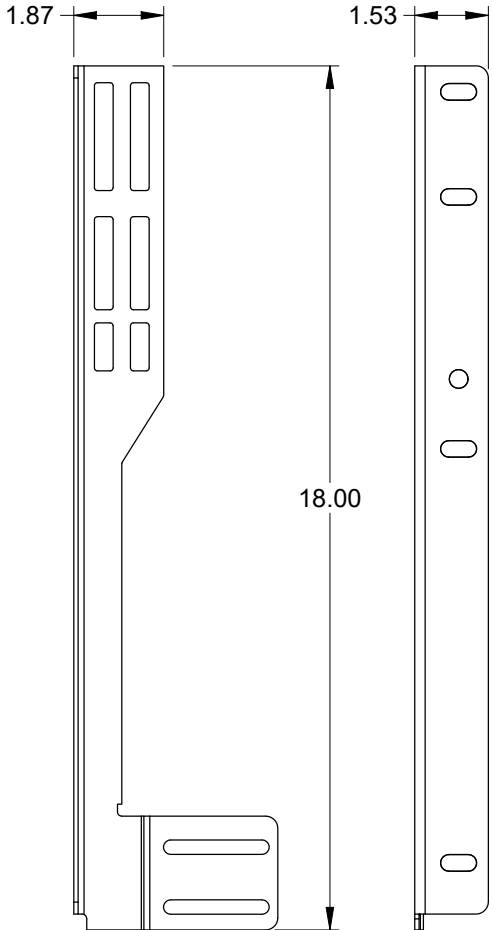
Center Hinge
.045 min. Galv. Steel



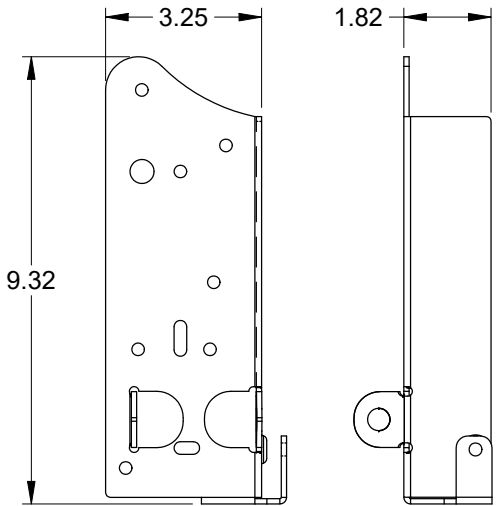
Edge Hinge
.069 min. Galv. Steel



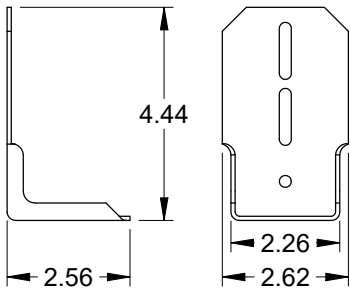
2" Track
.055 min. Galv. Steel



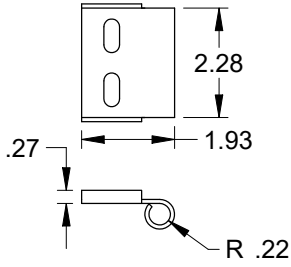
Jamb Angle
.071 min. Galv. Steel



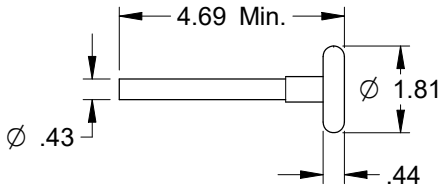
Corner Bracket
.109 min. Galv. Steel
Max. Door Weight = 2000 Lbs.



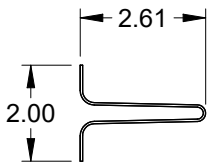
Top Fixture
.085 min. Galv. Steel



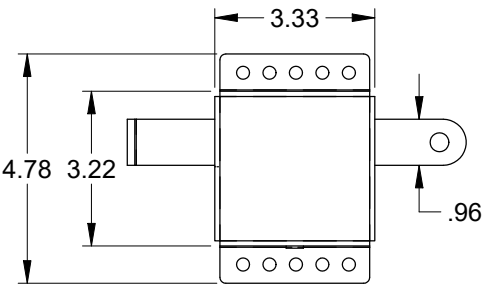
Roller Carrier
.085 min. Galv. Steel
Attached to Top Fixture
w/(2) Track Bolts and Whiz Nuts



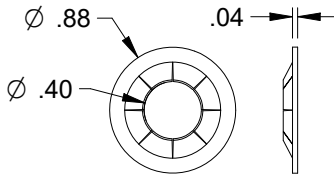
2" Roller
Nylon 11-ball (Std.)
Steel 10-ball (Opt.)



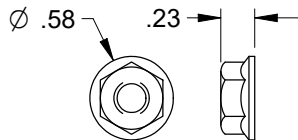
Steel U-bar
20 Ga. (.035 min.) Galvanized
High Tensile Steel
80 KSI Minimum Yield



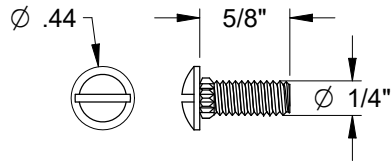
Slide Lock



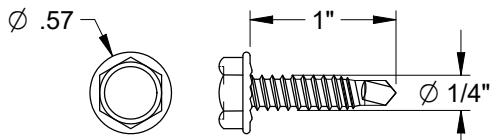
Retaining Nut



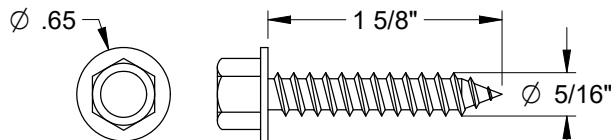
Serrated Hex Flange Nut



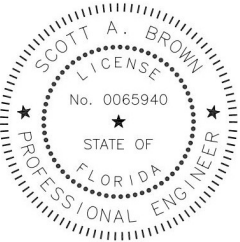
Track Bolt



Self-Drilling Screw



Hex Head Lag Screw



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

Scale: None	 PRODOOR MFG CO 6030 Gateway Drive Plainfield, IN 46168	Title: Spec, Wind Load Legacy & Carriage Collection		
Drawn by: J. Poitras		No. P-6001	Sheet 3	Rev A
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Date: 01/10/24				
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