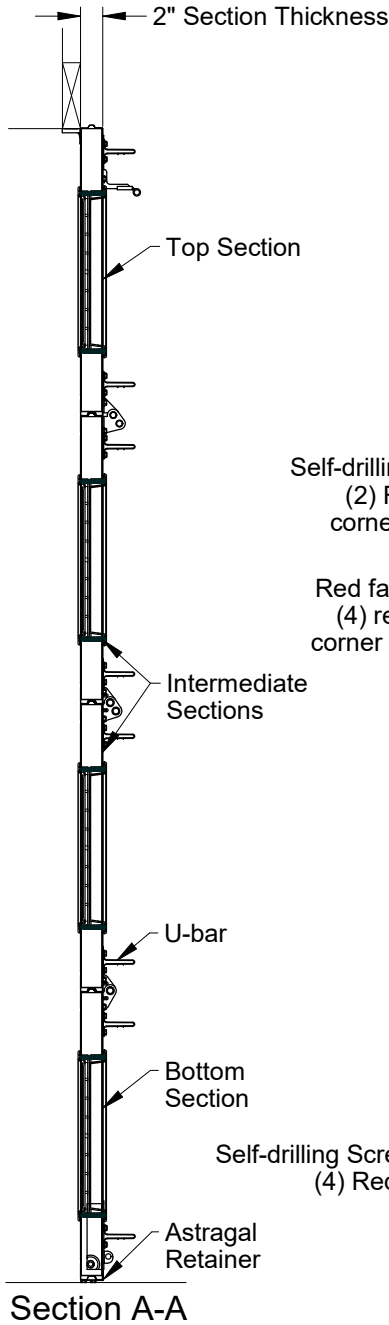


Doors tested per ANSI/DASMA 108 for static air pressure

Complies with the Wind Load requirements of the IBC/IRC 2021

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	55.0 -62.2	1	55.0 -62.2	1	55.0 -62.2
9'-0"	1	48.9 -55.3	1	48.9 -55.3	1	48.9 -55.3
10'-0"	2	49.7 -55.7	1	39.6 -44.8	1	39.6 -44.8
12'-0"	2	41.4 -46.4	2	41.4 -46.4	2	34.6 -39.2
14'-0"	2	30.4 -34.1	2	30.4 -34.1	2	29.7 -33.6
16'-0"	3	23.3 -26.0	3	23.3 -26.0	3	23.3 -26.0
18'-0"	3	18.4 -20.5	3	18.4 -20.5	3	18.3 -20.3
20'-2"	4	12.3 -13.8	4	12.3 -13.8	4	12.3 -13.8

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

Polypropylene Exterior Window Frame

Glass Options: 1/8" Annealed, 1/8" Tempered
3/4" Annealed I.G., 3/4" Tempered I.G.
Max size: Short Panel - 17-3/4" x 12-3/4"
Long Panel - 40-3/4" x 12-3/4"
DLO: Short Panel - 16-3/4" x 11-3/4"
Long Panel - 39-3/4" x 11-3/4"

Polypropylene Interior Window Frame

Section C-C

Insulation Core
Expanded Polystyrene

Perimeter Seal
Nailed 8" O.C. with 4d steel nails

Section B-B

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

Optional Decorative Inserts

Screw, #8 x 1-7/8"
(10) per short window
(18) per long window

Spring Counterbalance
Spring wire individually calculated to counterbalance door.
Quantity and size of spring will vary based on door size.

Ranch windows shown
See window styles on sht. 2

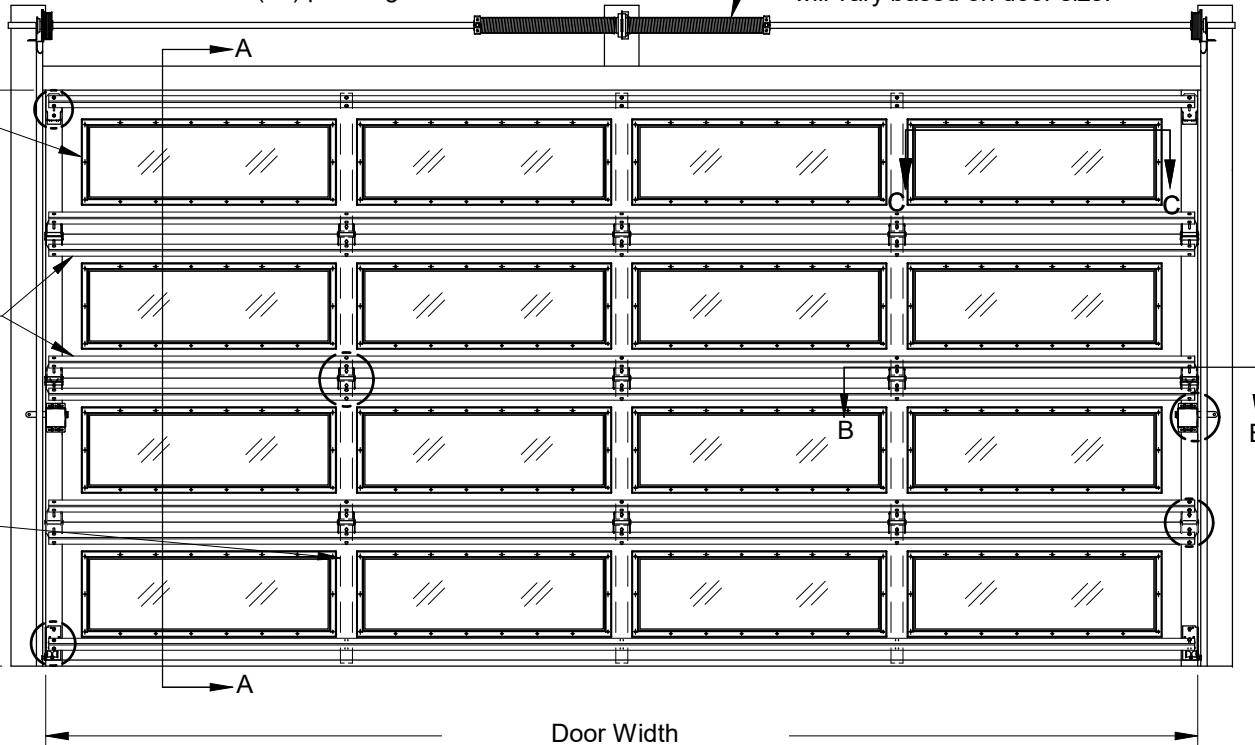
Door Height

8'-0" High shown
Other door heights available up to 10'-0" using 18", 21" or 24" high sections

Steel Reinforcement
(2) U-bar per section fastened to all center and end stiles using (2) self-drilling screws at each stile.

Embedded Hardware Plates

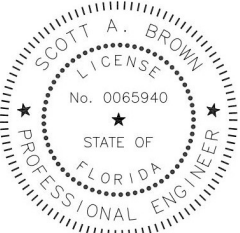
Locks required on doors not electrically operated.



Door Width
See chart for other door widths (16'-0" Long Panel shown)

Interior Elevation

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



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

Digitally signed by Scott A Brown
Date: 2024.02.19 17:54:38-06'00'

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

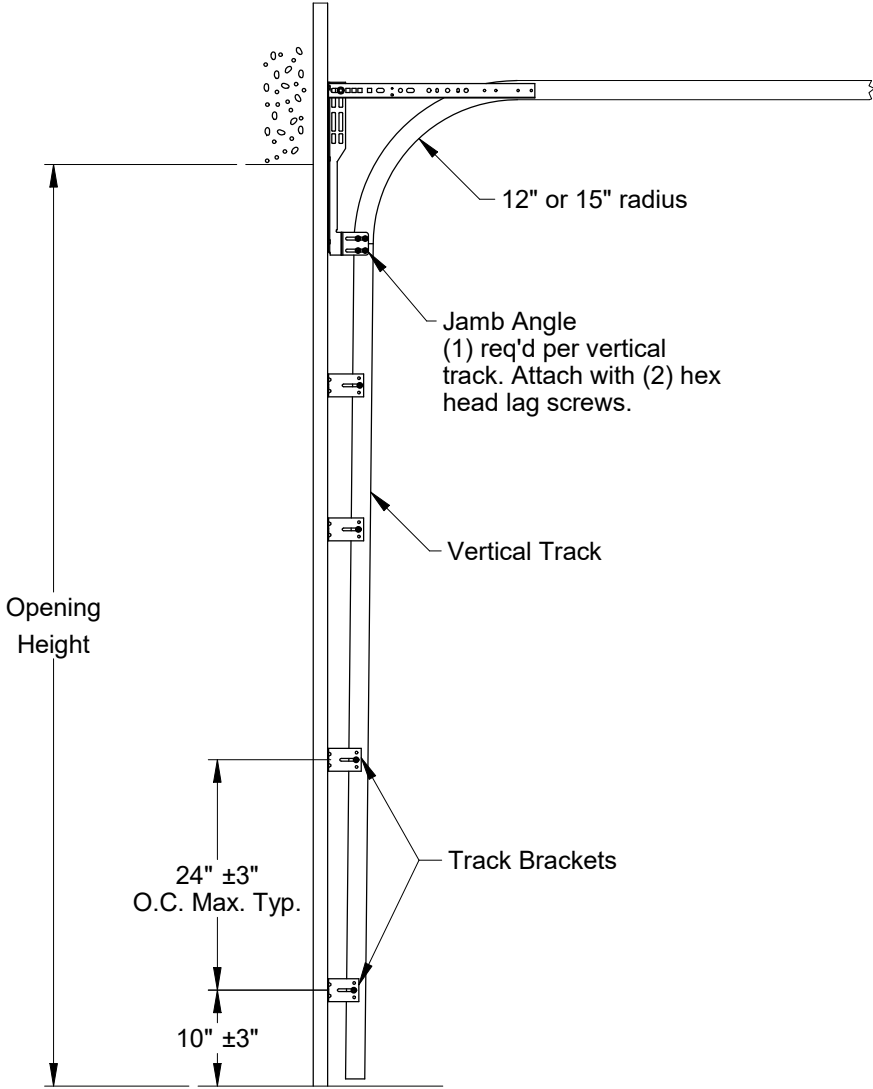
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Drawn by: J. Poitras
Checked by: G. Wedekind
Date: 01/10/24
ECO: 9019.01



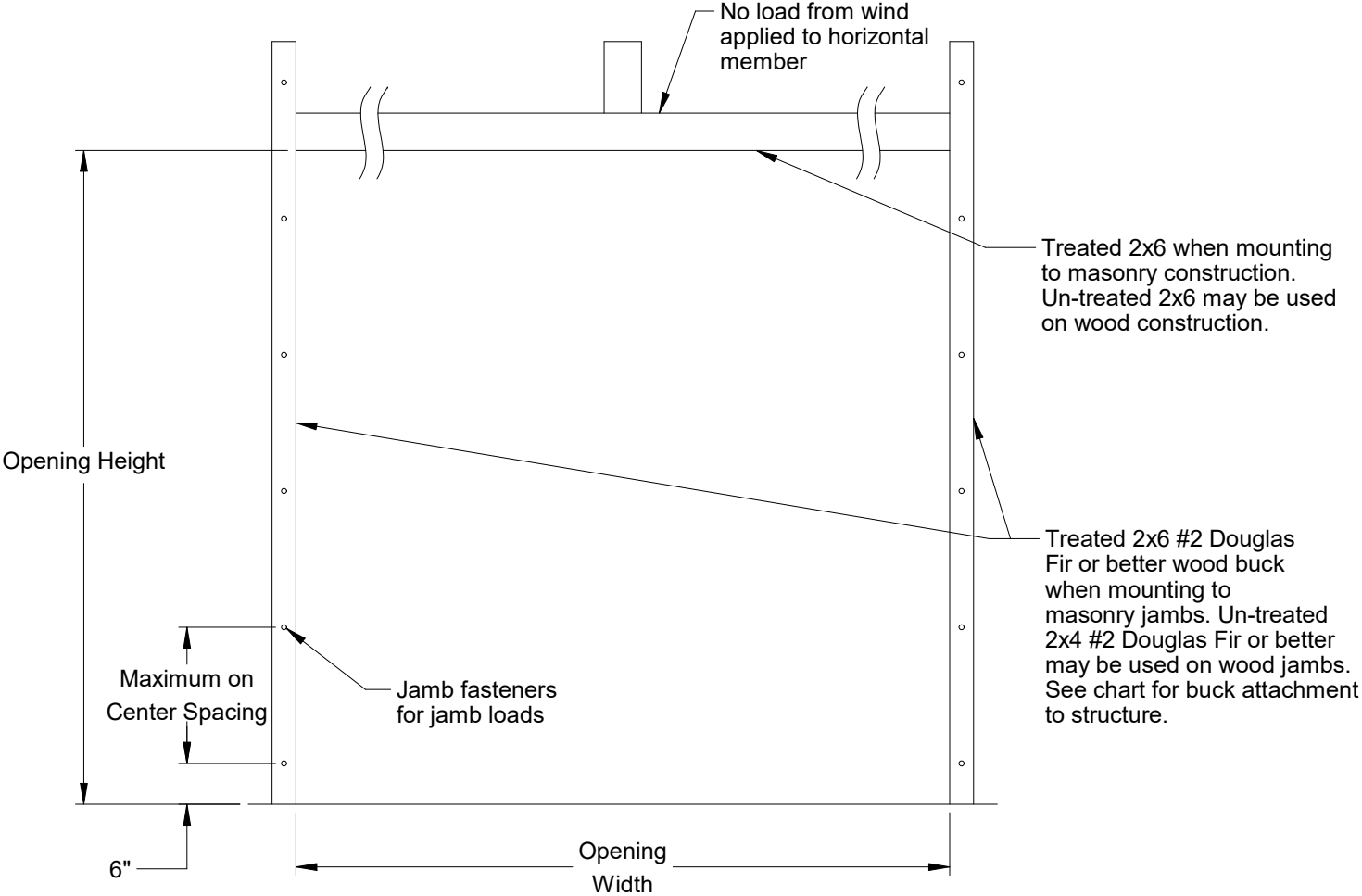
Title:

Spec, Wind Load
Legacy & Carriage Collection

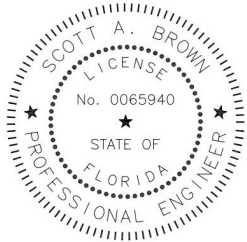
No.	P-6005	Sheet 1 of 3	Rev A
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Typical Track Installation
Normal headroom track shown
Low headroom and lift clearance available



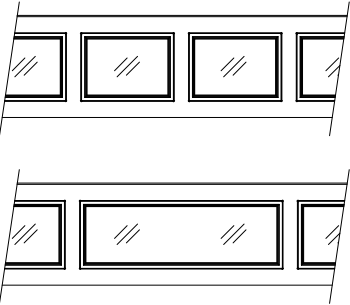
- Jamb Attachment Notes:
1. Maximum Positive Load per Jamb = (10'-0" x 49.7 PSF) / 2 = 249 lbs. per foot.
 2. Maximum Negative Load per Jamb = (10'-0" x -55.7 PSF) / 2 = 279 lbs. per foot.
 3. Design of the supporting structure shall be the sole responsibility of the building designer and shall be designed 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.



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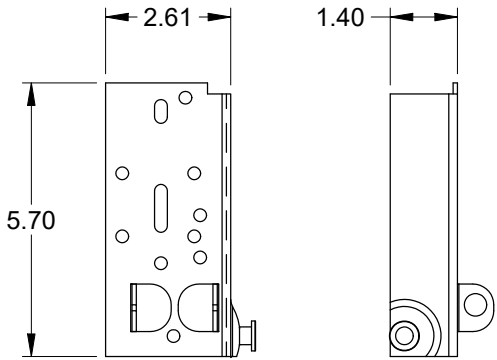
Short Panel windows

Long Panel windows

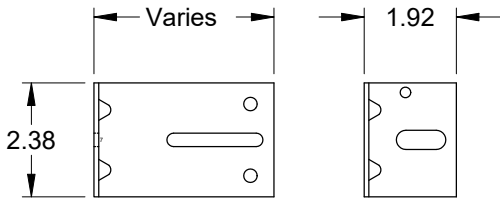
Window Styles

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"	23"	482

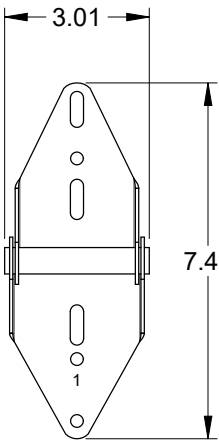
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Drawn by: J. Poitras		No. P-6005	Sheet 2	Rev A
Checked by: G. Wedekind				
Date: 01/10/24				
ECO: 9019.01				



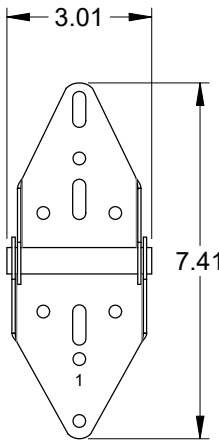
Corner Bracket
.085 min. Galv. Steel
Max. Door Weight = 325 Lbs.



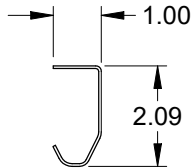
Track Bracket
.099 min. Galv. Steel



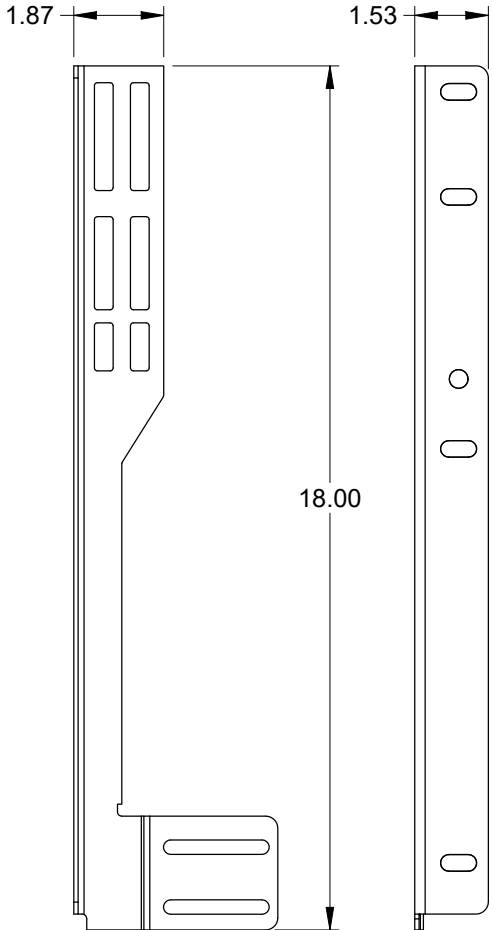
Center Hinge
.045 min. Galv. Steel



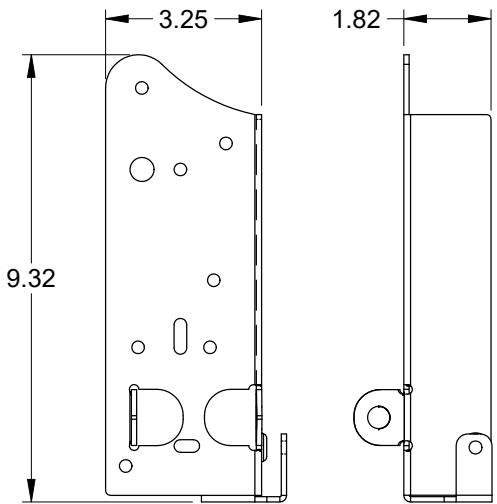
Edge Hinge
.069 min. Galv. Steel



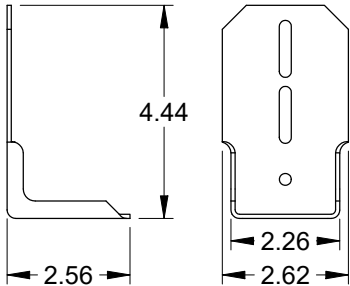
2" Track
.055 min. Galv. Steel



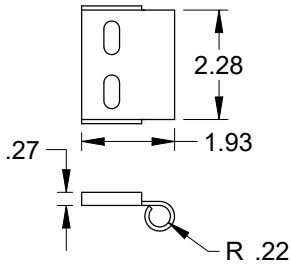
Jamb Angle
.071 min. Galv. Steel



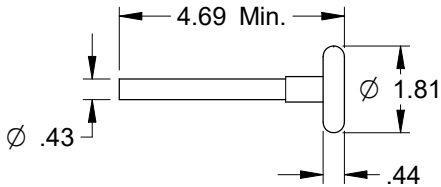
Corner Bracket
.109 min. Galv. Steel
Max. Door Weight = 2000 Lbs.



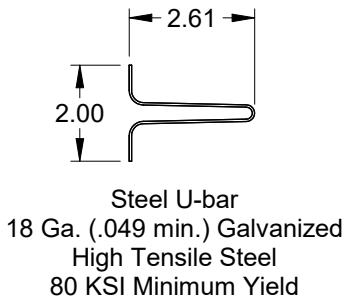
Top Fixture
.085 min. Galv. Steel



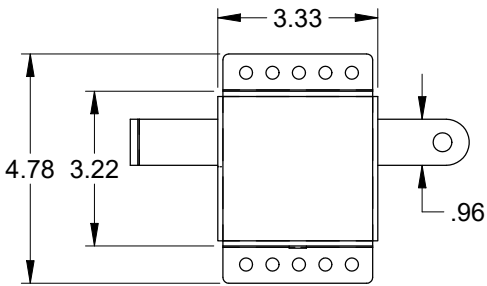
Roller Carrier
.085 min. Galv. Steel
Attached to Top Fixture
w/(2) Track Bolts and Whiz Nuts



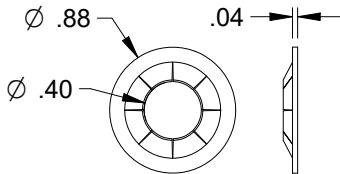
2" Roller
Nylon 11-ball (Std.)
Steel 10-ball (Opt.)



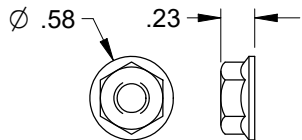
Steel U-bar
18 Ga. (.049 min.) Galvanized
High Tensile Steel
80 KSI Minimum Yield



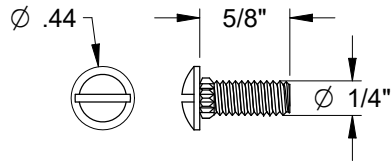
Slide Lock



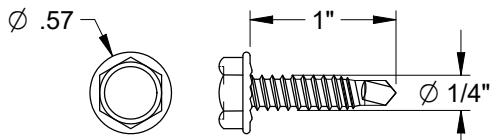
Retaining Nut



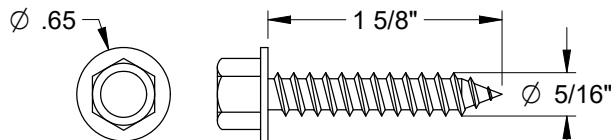
Serrated Hex Flange Nut



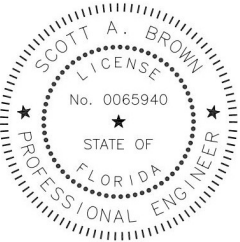
Track Bolt



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.

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