

Doors tested per ANSI/DASMA 108 for static air pressure and ANSI/DASMA 115 for large missile impact and cyclic wind pressure

Max. Door Width	Colonial		Ranch		Carriage House	
	Ctr. Hngs. per Sect.	Design Loads	Ctr. Hngs. per Sect.	Design Loads	Ctr. Hngs. per Sect.	Design Loads
8'-2"	1	51.1 -59.3	1	51.1 -59.3	1	51.1 -59.3
9'-2"	1		1		1	
10'-2"	2	41.1 -46.4	1	41.1 -46.4	1	29.0 -32.8
12'-2"	2		2		2	
14'-2"	2	29.0 -32.8	2	29.0 -32.8	2	
16'-2"	3	27.8 -33.1	3	27.8 -33.1	3	27.8 -33.1
18'-2"	3	18.6 -23.3	3	18.6 -23.3	3	18.6 -23.3
20'-2"	4	16.8 -18.7	4	16.8 -18.7	4	16.8 -18.7



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Structural Adequacy for Wind Load

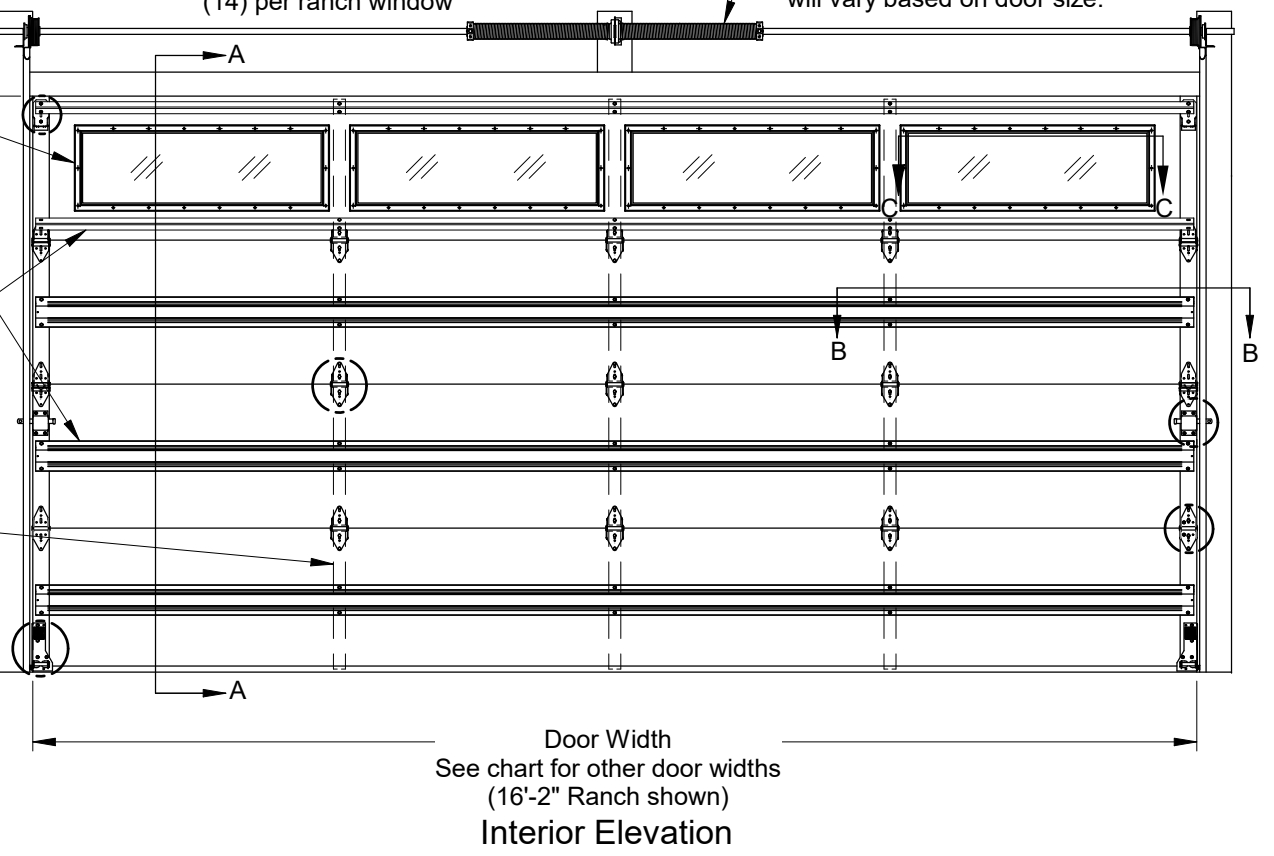
Windows (Optional)
One row maximum
See window styles on sht. 2

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



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

Rev.	Description	ECO	Date	ECO: 8593.02
A	New release for production.	8593.02	07/26/22	Date: 07/26/22

Scale: None
Drawn by: R. Frey
Checked by: G. Wedekind

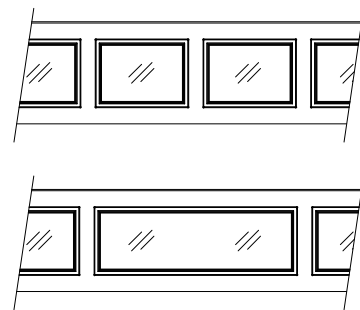
RAYNOR
1101 East River Road
Dixon, IL 61021

Title: Spec, Wind Load Commercial Encore

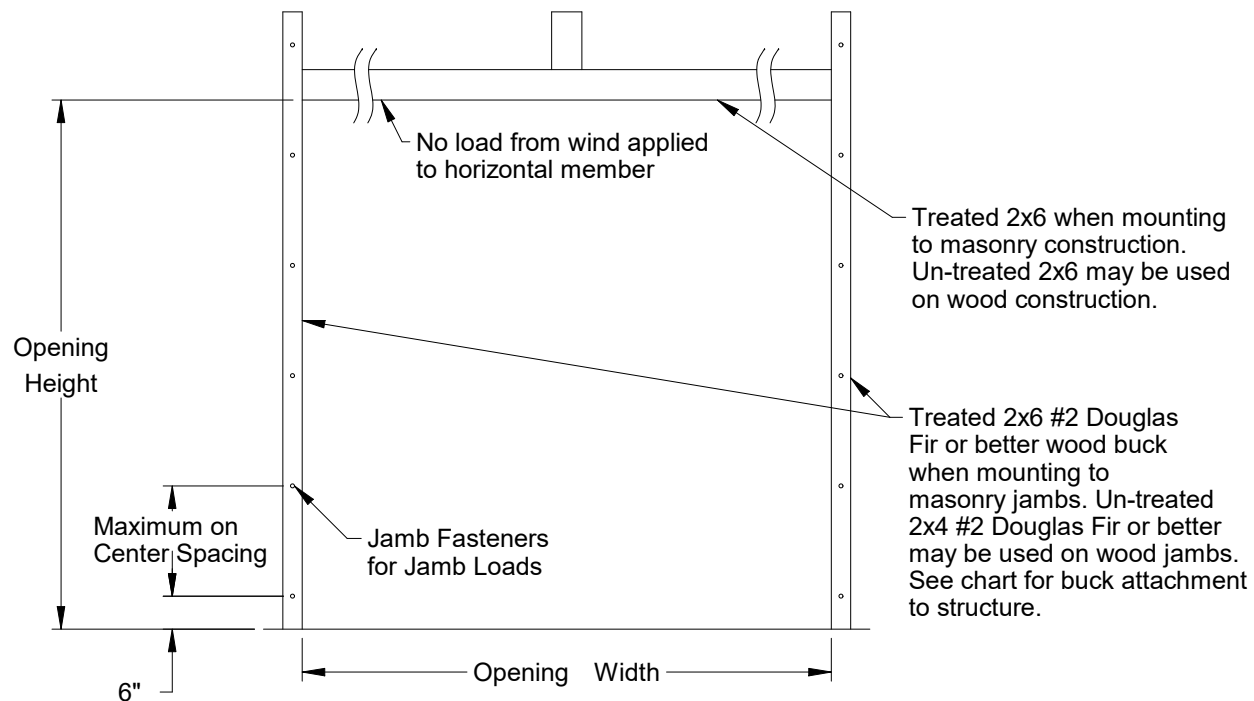
No. P-3402
Sheet 1 of 4
Rev A

Jamb Attachment Notes:

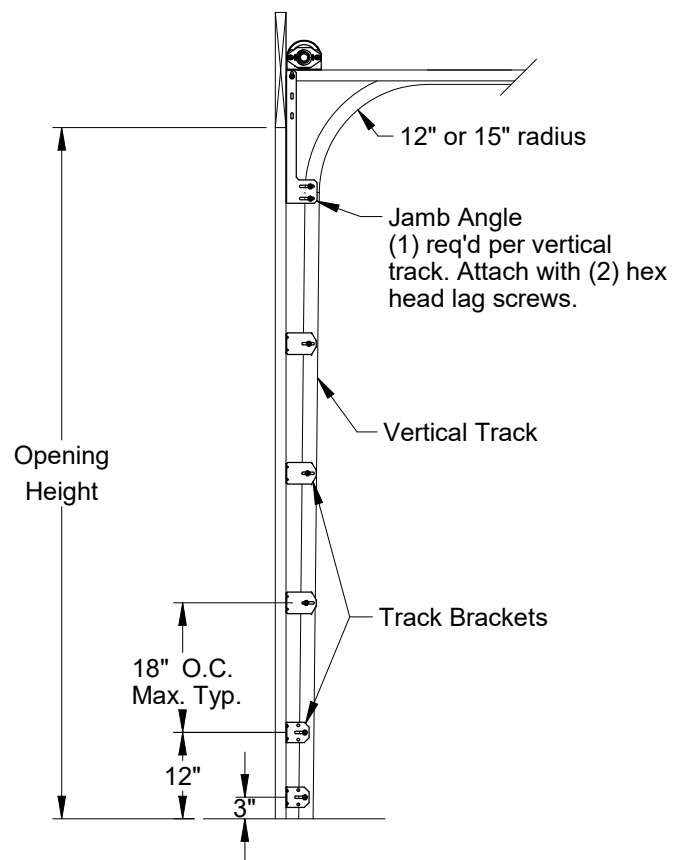
1. Maximum Positive Load per Jamb = $(12'-0" \times 41.1 \text{ PSF}) / 2 = 247 \text{ lbs. per foot.}$
2. Maximum Negative Load per Jamb = $(12'-0" \times -46.4 \text{ PSF}) / 2 = 279 \text{ lbs. per foot.}$
3. Design of the supporting structure shall be the sole responsibility of the building designer 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.



Window Styles

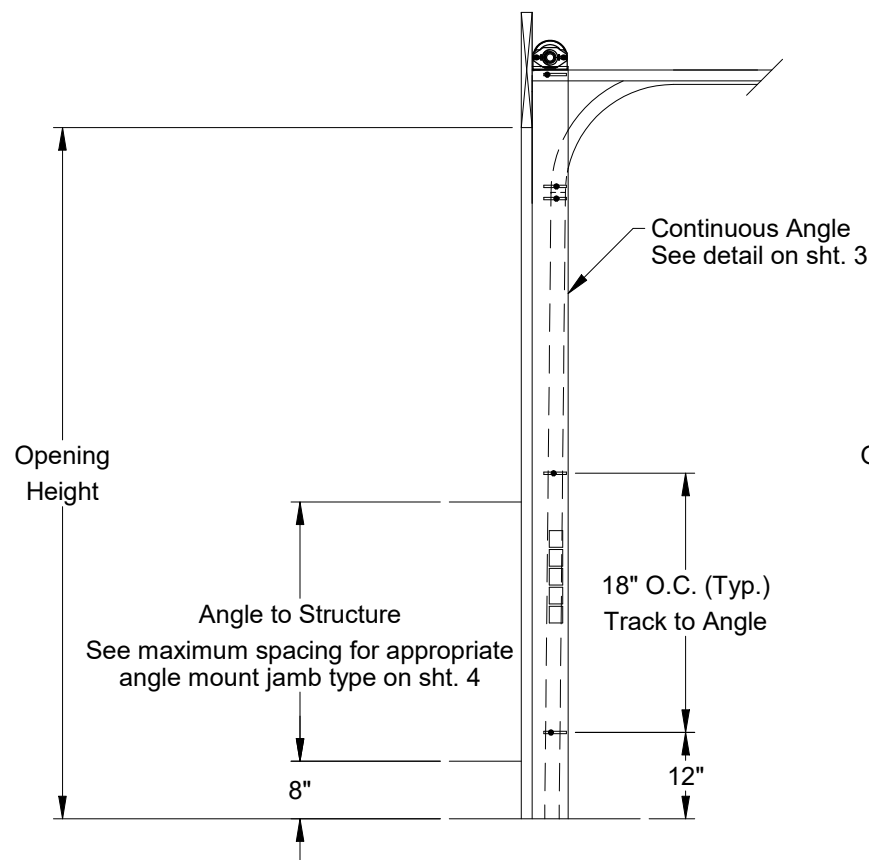


2x6 Attachment to Structure						
Structure Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Minimum on Center Spacing	Maximum on Center Spacing	Allowable Tension Load
2500 PSI Min. Concrete	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	2.5	6"	24"	526
Southern Pine	3/8" x 3" Lag with 1-1/8"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



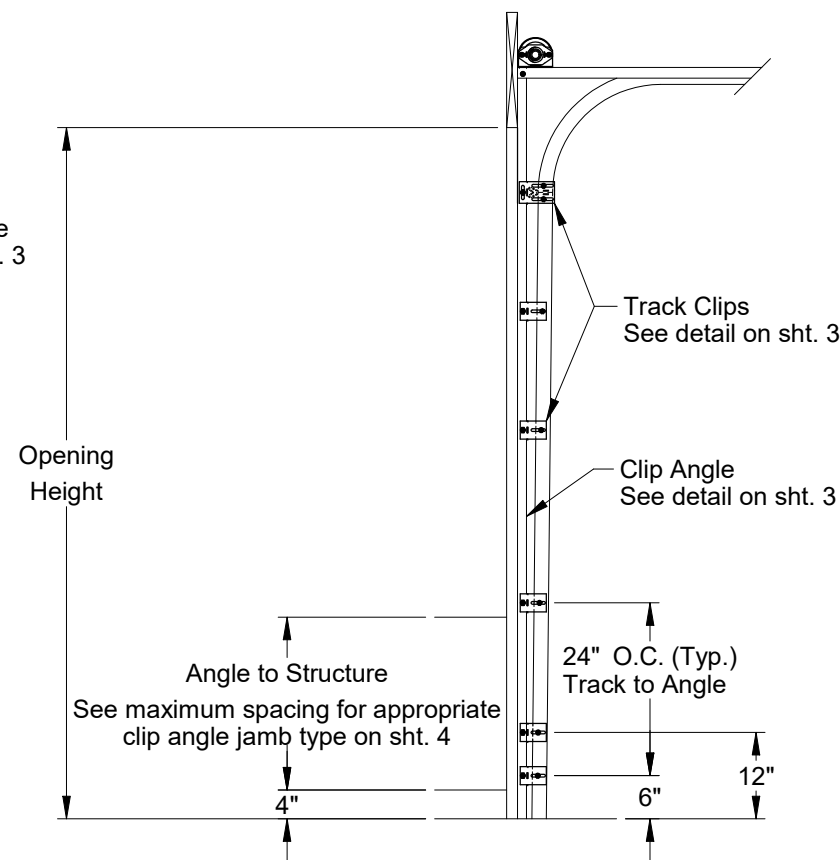
**Typical Track Installation
Bracket Mount
Wood Jambs**

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



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

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



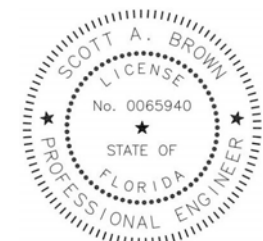
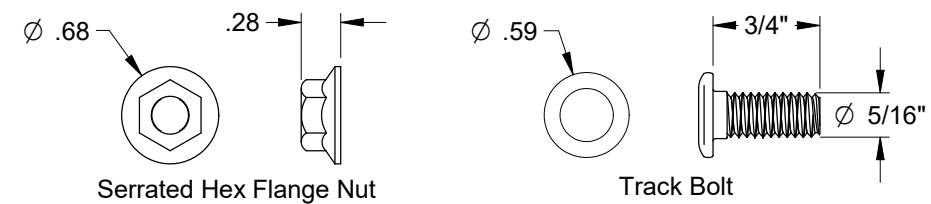
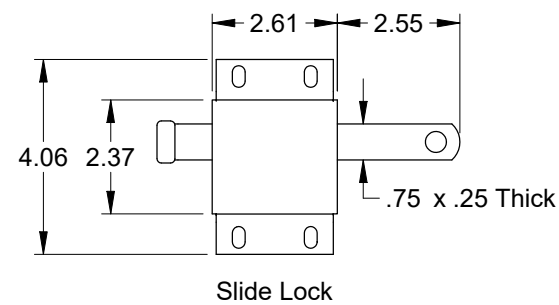
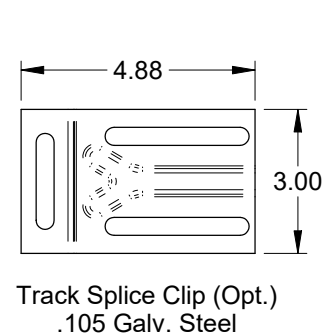
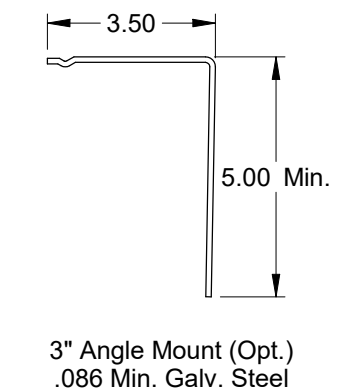
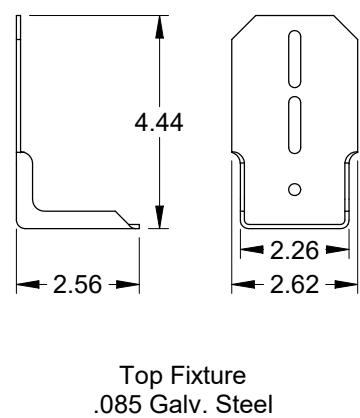
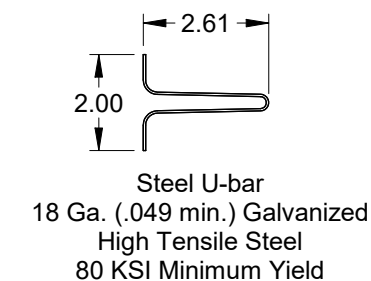
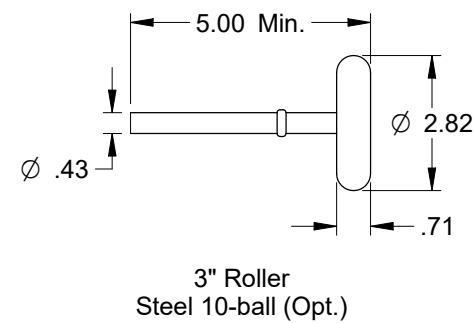
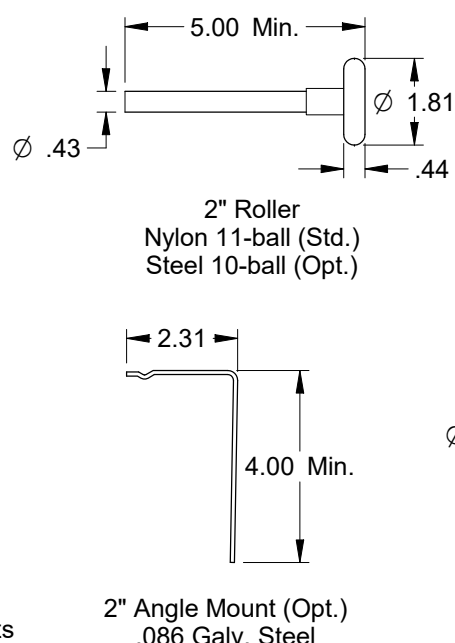
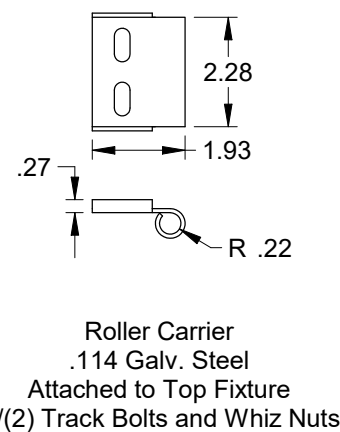
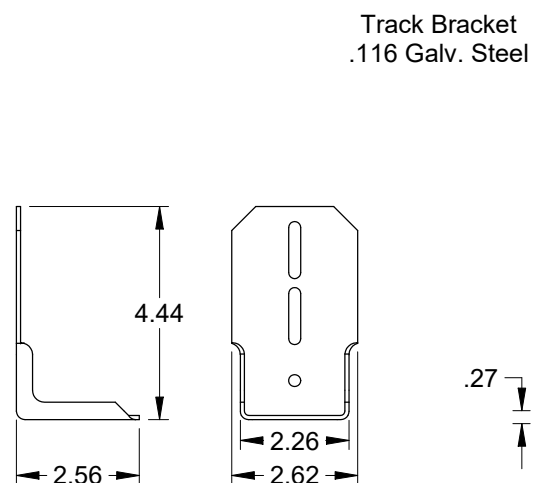
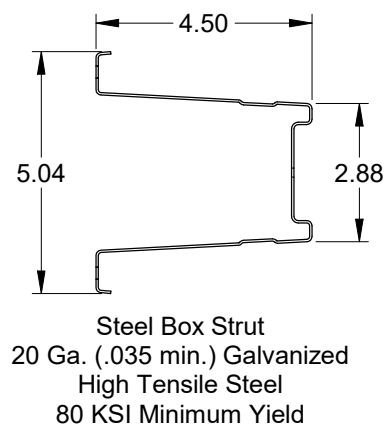
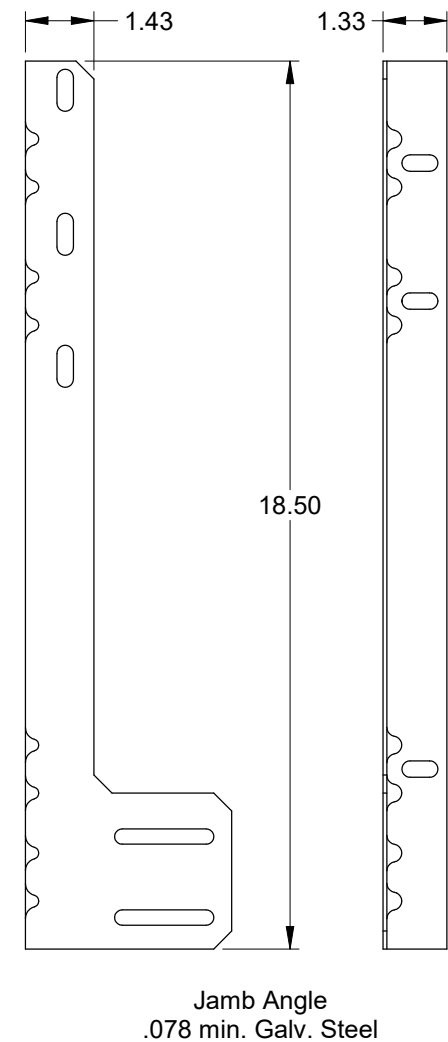
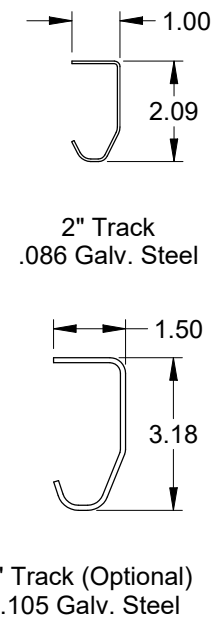
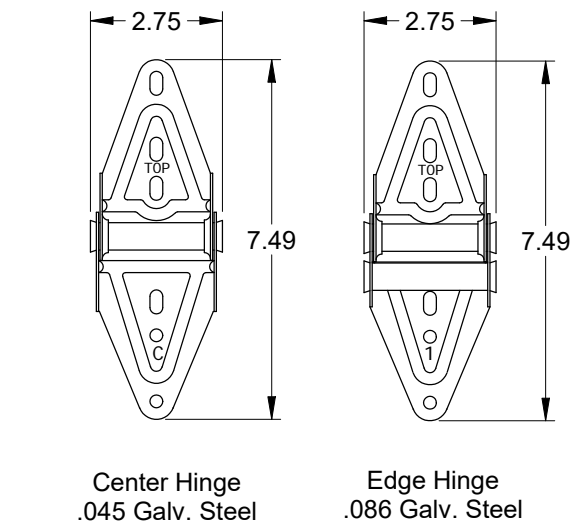
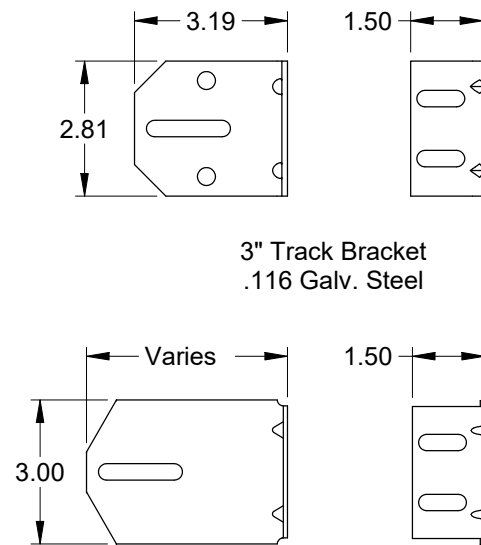
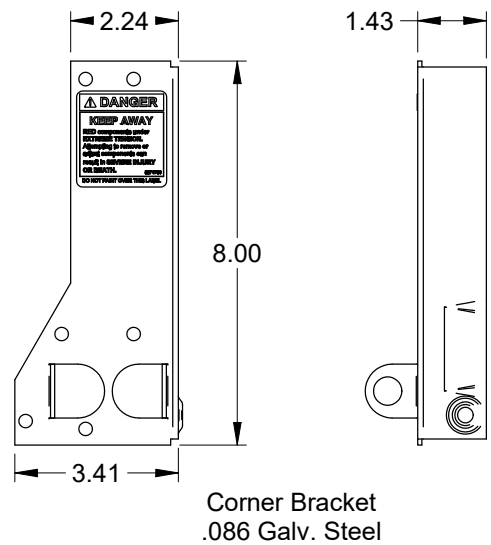
**Typical Track Installation
Pre-Assembled Clip Angle
Wood, Steel or Concrete Jambs**

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

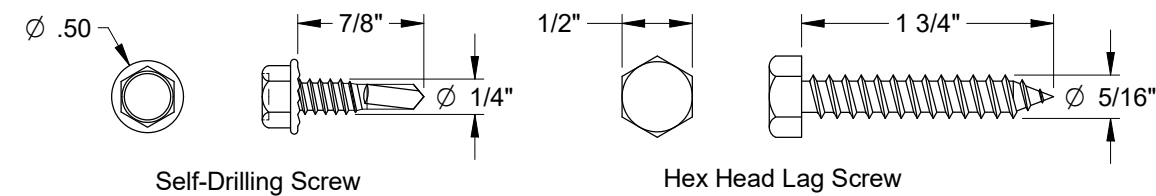
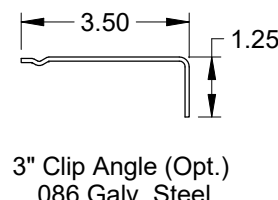
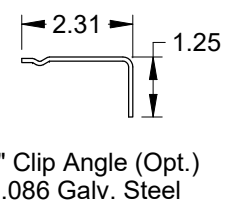
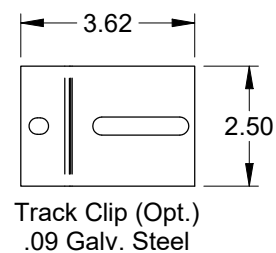


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Structural Adequacy for Wind Load

Scale: None	<p>1101 East River Road Dixon, IL. 61021</p>	Title: Spec, Wind Load Commercial Encore	
Drawn by: R. Frey		No. P-3402	Sheet 2
Checked by: G. Wedekind			Rev A
Date: 07/26/22		ECO: 8593.02	



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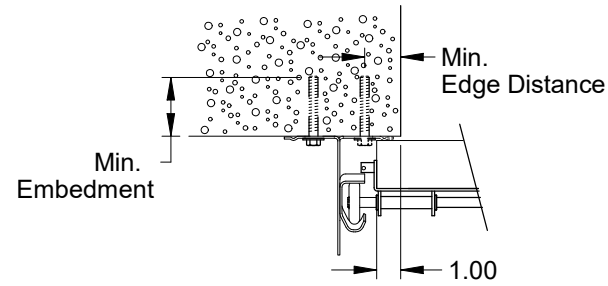
All parts shown are for illustration purposes only. The actual product may include equivalent parts due to availability.

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Scale: None		Title: Spec, Wind Load Commercial Encore	
Drawn by: R. Frey		No. P-3402	Sheet 3
Checked by: G. Wedekind			Rev A
Date: 07/26/22		1101 East River Road Dixon, IL 61021	
ECO: 8593.02			

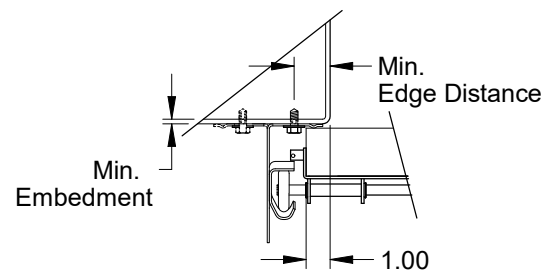
Angle Mount					
Jamb Type	Fastener Type	Minimum Embedment (in.)	Minimum Edge Distance (in.)	Maximum on Center Spacing (in.)	Allowable Tension Load (lbs.)
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	36"	893
	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	18"	687
	1/4" x 2-5/8" Screw-Bolt+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



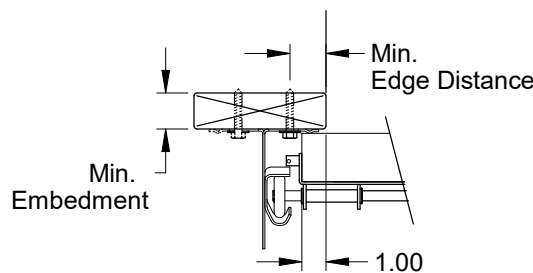
Track Assembly Attachment to 2500 PSI Min. Concrete

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



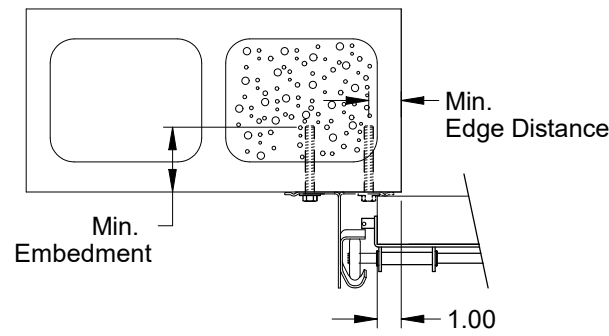
Track Assembly Attachment to 3/16" Min. Steel Jamb

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

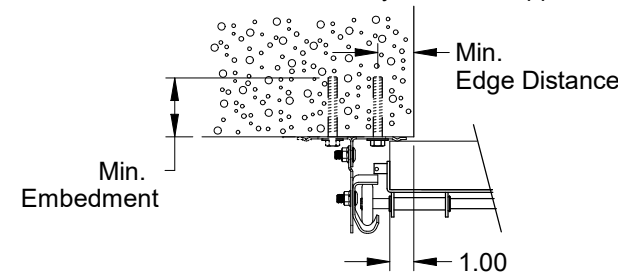


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Pre-Assembled Clip Angle					
Jamb Type	Fastener Type	Minimum Embedment (in.)	Minimum Edge Distance (in.)	Maximum on Center Spacing (in.)	Allowable Tension Load (Lbs.)
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	24"	893
	1/4" Tapcon+ (Plus) 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

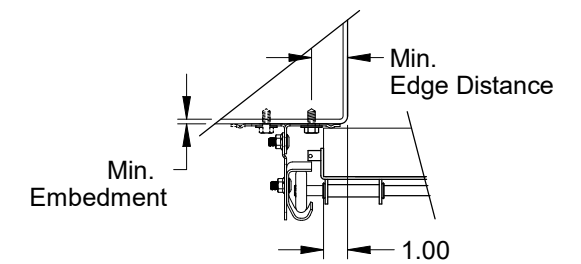
* Field drilling req'd.

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



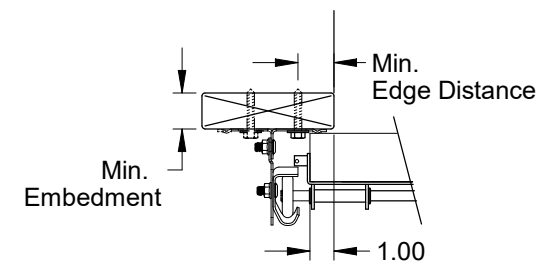
Pre-Assembled Track Assembly Attachment to 2500 PSI Min. Concrete

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



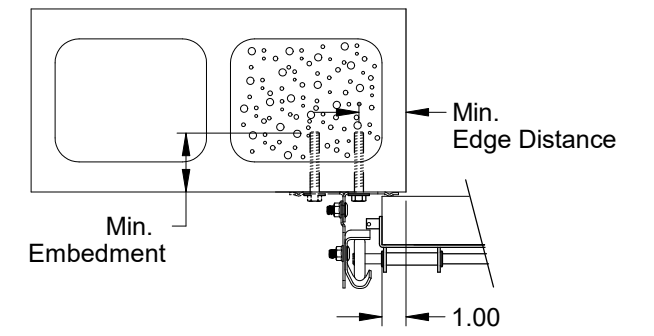
Pre-Assembled Track Assembly Attachment to 3/16" Min. Steel Jamb

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: 07/26/22
ECO: 8593.02



Title: Spec, Wind Load Commercial Encore	
No. P-3402	Rev A
Sheet 4	