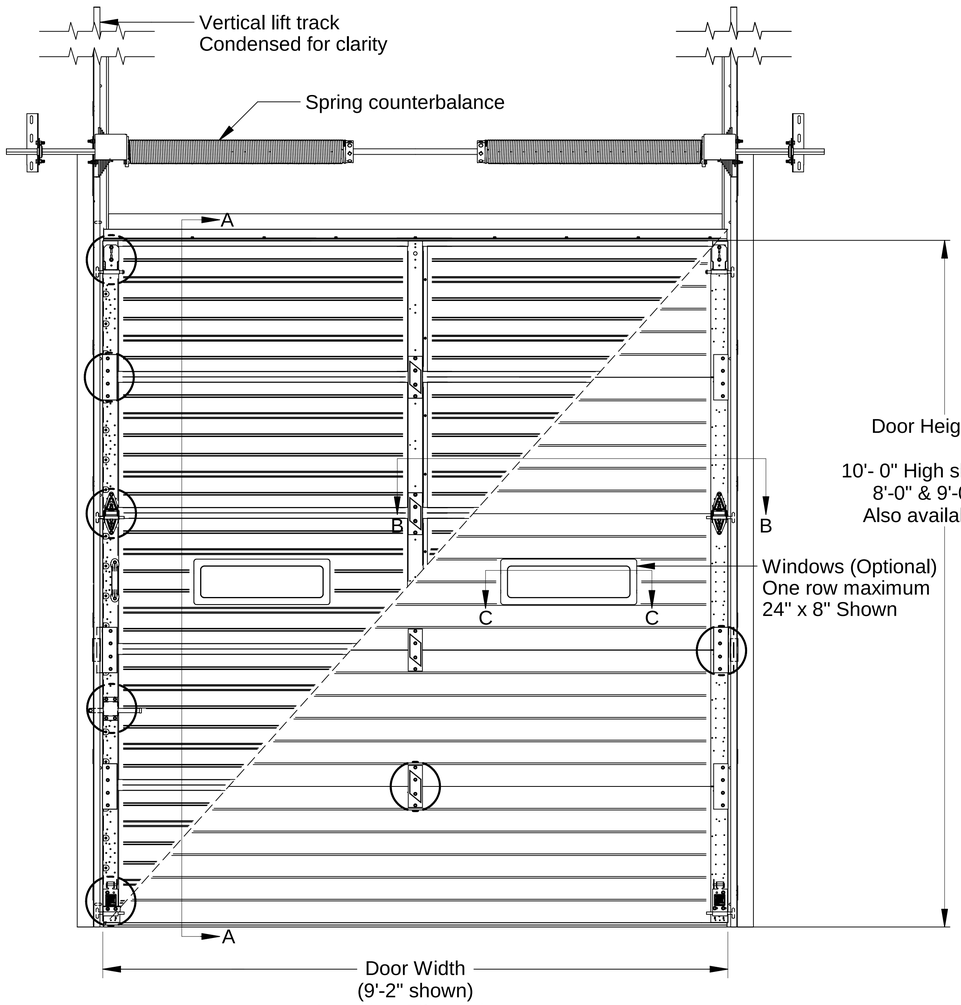
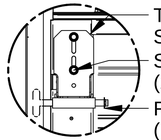
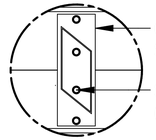


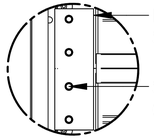

Interior Elevation



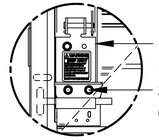

Top Fixture Attachment



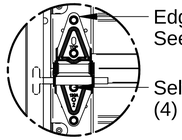

Center Plate Attachment



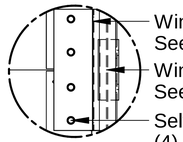

End Cleat Attachment



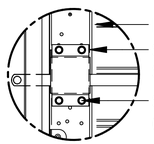

Corner Bracket Attachment



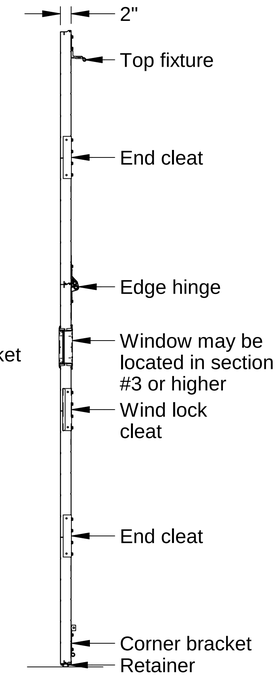

Edge Hinge Attachment



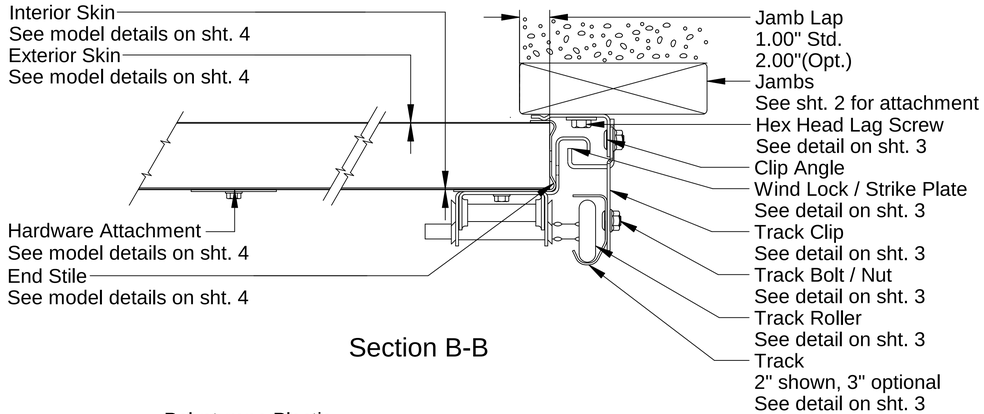

Wind Lock Attachment




Slide Lock Attachment



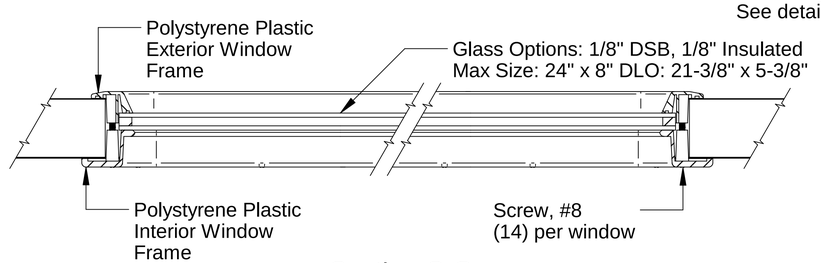

Section A-A




Section B-B

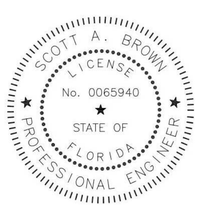
Doors tested per
ANSI/DASMA 108
for static air pressure

| Model | Max. Opening Width | Max. Section Width | Ctr. Hngs. per Sect. | Design Loads | |
|---|---|---|---|---|---|
| ThermaSeal TM200 | 9'-0" | 9'-4" | 1 | 20.1 | -22.8 |
| Raynor EnergyCore EC200 | | | | 15.1 | -17.1 |
| Raynor EnergyCore EC224 | | | | | |
| SteelForm S24 | | | | | |
| SteelForm S20 | | | | | |




Section C-C

FL #42121




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

Digitally signed by Scott A Brown
Date: 2023.06.21 09:07:53 -05'00'



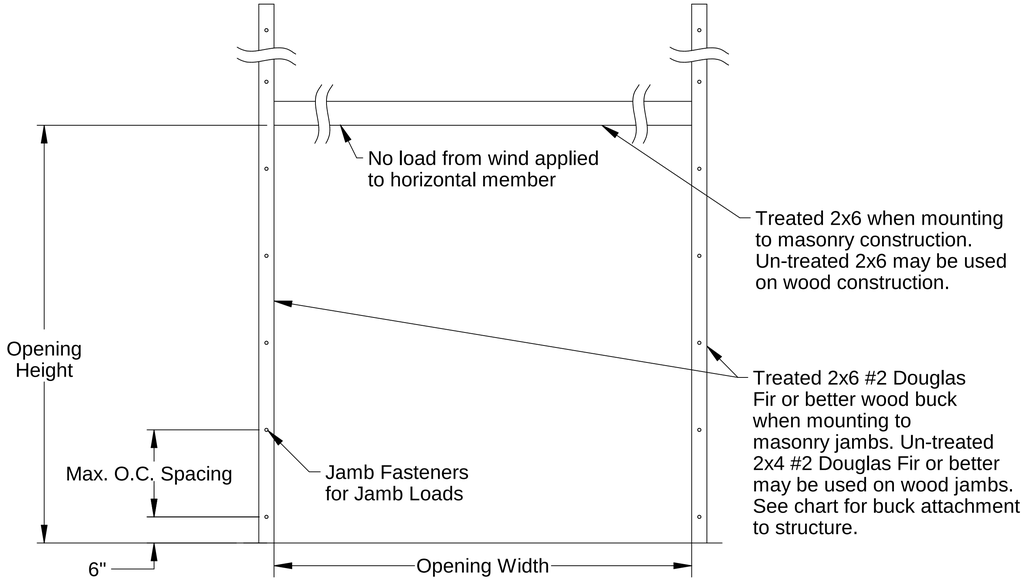
| Rev. | Description | ECO | Date |
|---|---|---|---|
| A | New release for production. | 8852.01 | 06/09/23 |

Scale: None
Drawn by: J. Poitras
Checked by: R. Frey
Date: 06/09/23
ECO: 8852.01

RAYNOR
1101 East River Road
Dixon, IL. 61021

Title: Spec, Wind Load QuickDock

No. P-2605 | Sheet 1 of 4 | Rev A




**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 |

Jamb Attachment Notes:

1. Maximum Positive Load per Jamb = (9'-4" x 20.1 PSF) / 2 = 95 lbs. per foot.
2. Maximum Negative Load per Jamb = (9'-4" x -22.8 PSF) / 2 = 108 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.

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Willett, Hofmann & Associates, Inc.
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FBPE CA Lic. No. 35415
Structural Adequacy for Wind Load

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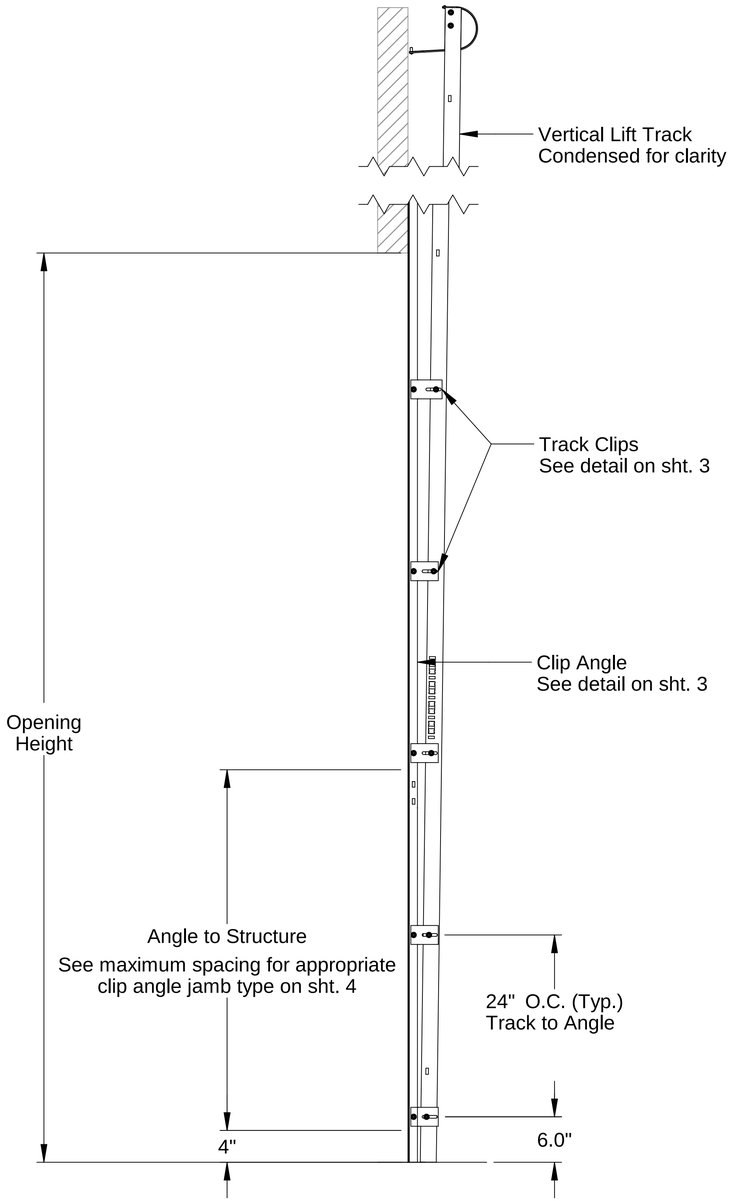
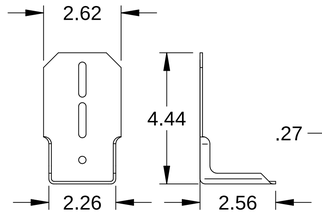
Date: 2023.06.21 09:08:20 -05'00'



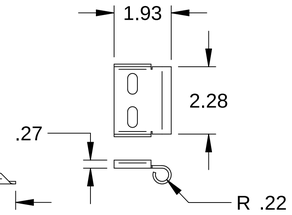



Typical Track Installation
Pre-Assembled Clip Angle
Wood, Steel or Concrete Jambs
Vertical lift only.

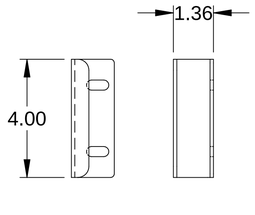
| | | |
|---|---|---|
| Scale: None | RAYNOR<br>1101 East River Road<br>Dixon, IL. 61021 | Title: Spec, Wind Load QuickDock |
| Drawn by: J. Poitras | | |
| Checked by: R. Frey | | |
| Date: 06/09/23 | | No. P-2605 / Sheet 2 / Rev A |
| ECN. No.: 8852.01 | | |



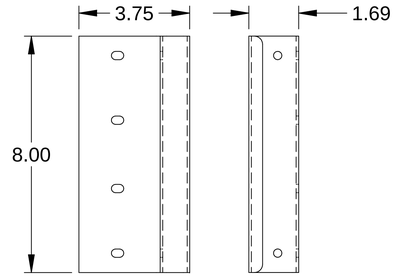

Top Fixture
.085 Galv. Steel



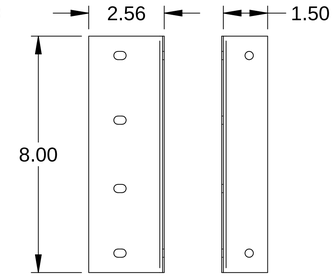

Roller Carrier
.085 Galv. Steel
Attached to Top Fixture
w/(2) Track Bolts and Whiz Nuts



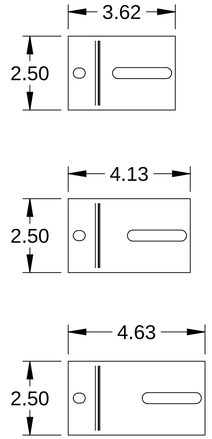

Wind Lock Strike
.116 Galv. Steel



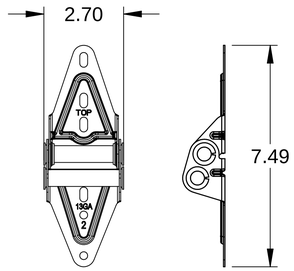

Wind Lock Cleat
.086 Galv. Steel



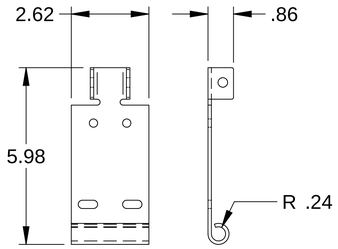

End Cleat
.055 Galv. Steel



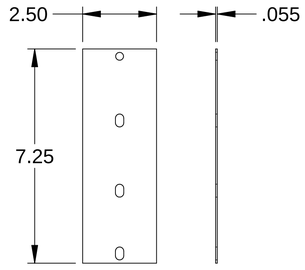

Track Clips
.09 Galv. Steel



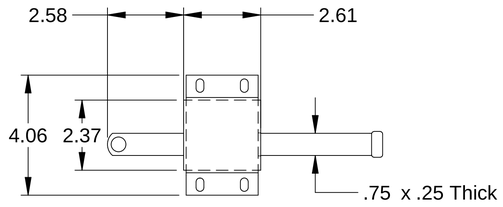

Edge Hinge
.085 Galv. Steel



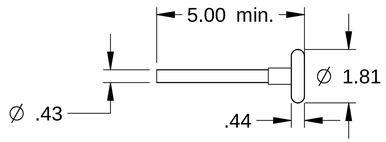

Corner Bracket
.114 Galv. Steel



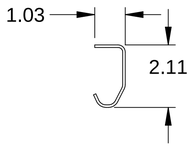

Center Plate
.055 Galv. Steel



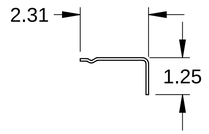

Slide Lock



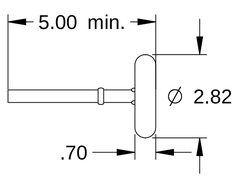

2" Roller
Nylon 11-ball (Std.)
Steel 10-ball (Opt.)



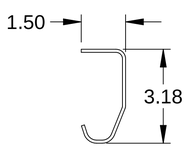

2" Track
.086 Galv. Steel



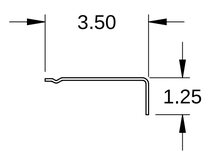

2" Clip Angle
.086 Galv. Steel




3" Roller
Steel 10-ball (Opt.)
Nylon Precision (Opt.)

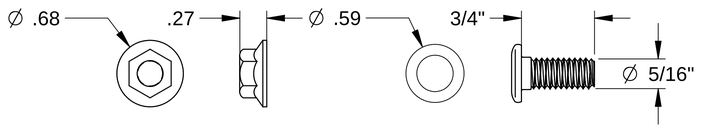



3" Track (Optional)
.105 Galv. Steel



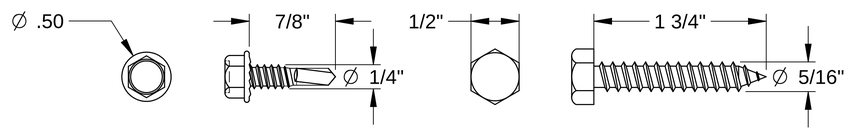

3" Clip Angle (Opt.)
.086 Galv. Steel


Retaining Nut



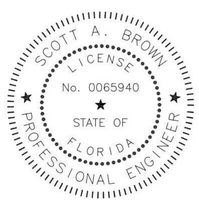

Serrated Hex Flange Nut

Track Bolt




Self-Drilling Screw

Hex Head Lag Screw




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

Digitally signed by Scott A Brown
Date: 2023.06.21 09:08:51 -05'00'

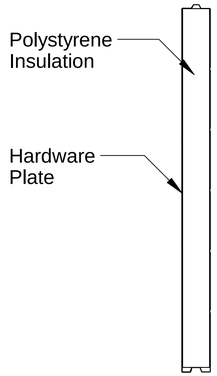
Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

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

| | | | |
|---|---|---|---|
| Scale: None | RAYNOR 1101 East River Road Dixon, IL 61021 | Title: Spec, Wind Load QuickDock | |
| Drawn by: J. Poitras | | | |
| Checked by: R. Frey | | | |
| Date: 06/09/23 | | No. P-2605 | Sheet 3 / Rev A |
| ECN. No.: 8852.01 | | | |

| Raynor EnergyCore EC200 | |
|---|---|
| Exterior Skin | .015 Steel |
| Interior Skin | .015 Steel |
| Insulation | Expanded Polystyrene |
| End Stiles | .038 Steel |
| Hardware Attachment | Hardware Plates |

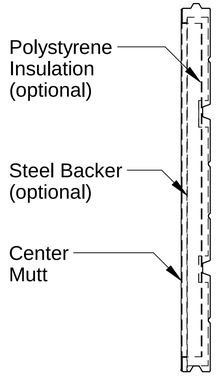
| Raynor EnergyCore EC224 | |
|---|---|
| Exterior Skin | .022 Steel |
| Interior Skin | .015 Steel |
| Insulation | Expanded Polystyrene |
| End Stiles | .038 Steel |
| Hardware Attachment | Hardware Plates |




Raynor EnergyCore
EC224 & EC200

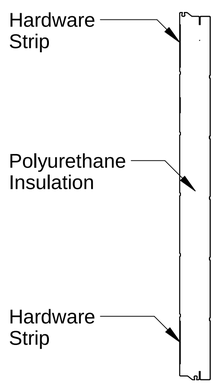
| SteelForm S24 | |
|---|---|
| Exterior Skin | .023 Steel |
| Optional Backer | .017 Steel |
| Insulation | Polystyrene Insert |
| End Stiles | .055 Steel |
| Hardware Attachment | .055 Steel Center Stile |

| SteelForm S20 | |
|---|---|
| Exterior Skin | .035 Steel |
| Optional Backer | .017 Steel |
| Insulation | Polystyrene Insert |
| End Stiles | .055 Steel |
| Hardware Attachment | .055 Steel Center Stile |




Steelform
S20 & S24

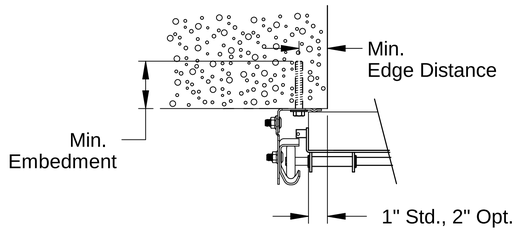
| ThermaSeal TM200 | |
|---|---|
| Exterior Skin | .013 Steel |
| Interior Skin | .013 Steel |
| Insulation | Polyurethane |
| End Stiles | .055 Steel |
| Hardware Attachment | .035 Steel Hardware Strip |



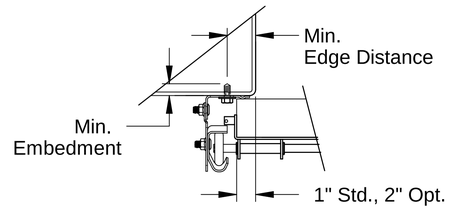

Thermaseal
TM200

| 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" | 24" | 352 |
| Grout Filled CMU Block | 3/8" Simpson Titen HD | 2-3/4" | 4" | 24" | 480 |

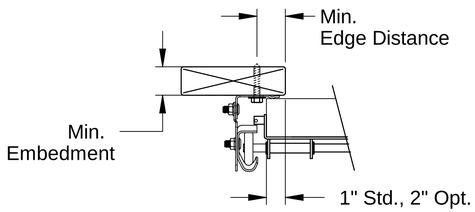
Alternate fasteners may be used if approved by a registered Professional Engineer.



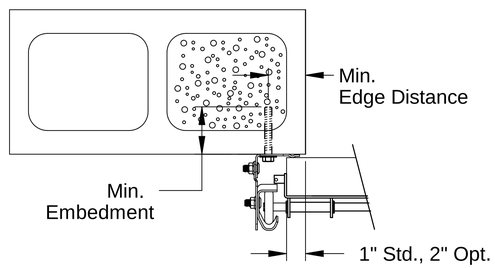

Pre-Assembled Track Assembly
Attachment to 2500 PSI Min. Concrete
2" Clip angle turned-in standard
3" Clip angle available




Pre-Assembled Track Assembly
Attachment to 3/16" Min. Steel Jamb
2" Clip angle turned-in standard
3" Clip angle available




Pre-Assembled Track Assembly
Attachment to Wood Jamb
2" Clip angle turned-in standard
3" Clip angle available




Pre-Assembled Track Assembly
to Grout Filled CMU Block
2" Clip angle turned-in standard
3" Clip angle available

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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: 2023.06.21 09:09:33 -05'00'



| | | | |
|---|---|---|---|
| Scale: None | RAYNOR 1101 East River Road Dixon, IL. 61021 | Title: Spec, Wind Load QuickDock | |
| Drawn by: J. Poitras | | | |
| Checked by: R. Frey | | | |
| Date: 06/09/23 | | No. P-2605 | Sheet 4 / Rev A |
| ECN. No.: 8852.01 | | | |