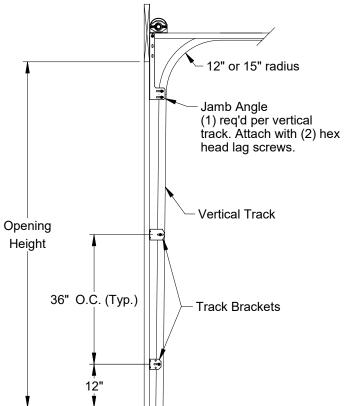


#### Jamb Attachment Notes:

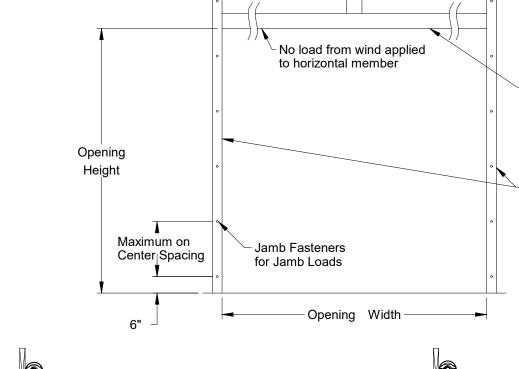
- 1. Maximum Positive Load per Jamb = (10'-2" x 30.9 PSF) / 2 = 158 lbs. per foot.
- 2. Maximum Negative Load per Jamb =  $(10'-2" \times -34.6 \text{ PSF})/2 = 177 \text{ lbs. per foot.}$
- 3. Design of the supporting structure shall be the sole responsibility of the building designer and shall be designed 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.

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



Wood Jambs

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



Treated 2x6 when mounting to masonry construction. Un-treated 2x6 may be used on wood construction.

Treated 2x6 #2 Douglas Fir or better wood buck when mounting to masonry jambs. Un-treated 2x4 #2 Douglas Fir or better may be used on wood jambs. See chart for buck attachment to structure.



Typical Track Installation **Bracket Mount** 

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

Typical Track Installation

**Angle Mount** 

Wood, Steel or Concrete Jambs

Angle to Structure

See maximum spacing for appropriate angle mount jamb type on sht. 3

8"

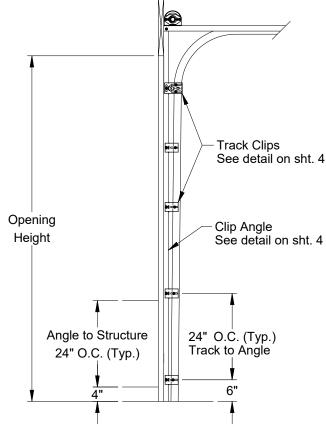
Continuous Angle

36" O.C. (Typ.)

Track to Angle

12"

See detail on sht. 4



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

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

Scale: None Drawn by: G. Wedekind Checked by: G. Wedekind Date: 02/15/13 ECO: 6530.01



Spec, Wind Load TH160, TM175, TM200, TM220

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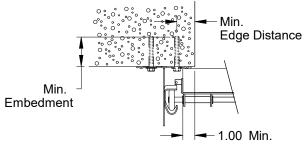
Scott A. Brown, P.E. Lic. No. 65940 Wendler Engineering Services, Inc. 698 Timber Creek Road, Dixon, IL 61021

Structural Adequacy for Wind Load

P-2422

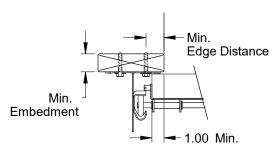
Angle Mount							
Jamb Type	Fastener Type	Minimum Embedment (in.)	Minimum Edge Distance (in.)	Maximum on Center Spacing (in.)	Tension Load		
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	36"	893		
	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	36"	687		
	1/4" x 2-5/8" Screw-Bolt+ with 9/16" OD Washer	2-1/2"	1-1/2"	36"	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"	18"	352		
Grout Filled CMU Block	3/8" Simpson Titen HD	2-3/4"	4"	36"	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

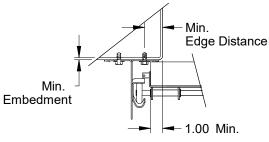


## Track Assembly Attachment to Wood Jamb

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

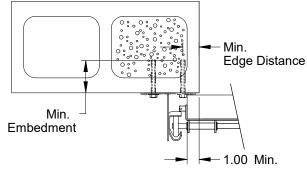


Scott A. Brown, P.E. Lic. No. 65940 Wendler Engineering Services, Inc. 698 Timber Creek Road, Dixon, IL 61021 FBPE CA Lic. No. 31544 Structural Adequacy for Wind Load



## 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

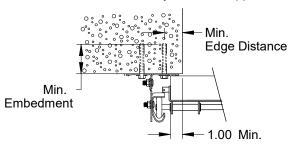


# Track Assembly Attachment to Grout Filled CMU Block

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

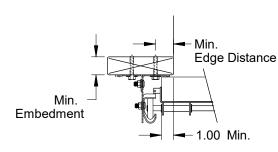
Pre-Assembled Clip Angle						
Jamb Type	Fastener Type	Minimum Embedment (in.)	Minimum Edge Distance (in.)	Maximum on Center Spacing (in.)	Allowable Tension Load (Lbs.)	
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	24"	893	
	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	24"	687	
	1/4"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



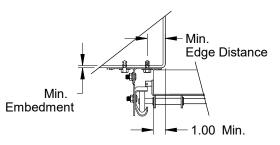
#### Pre-Assembled Track Assembly Attachment to 2500 PSI Min. Concrete

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



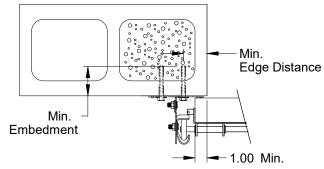
# Pre-Assembled Track Assembly Attachment to Wood Jamb

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



# Pre-Assembled Track Assembly Attachment to 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

Scale: None		
Drawn by: G. Wedekind		
Checked by: G. Wedekind		
Date: 02/15/13		
ECO: 6530.01		



spec, Wind Load TH160, TM175, TM200, TM220

D. P-2422 Sheet Re

