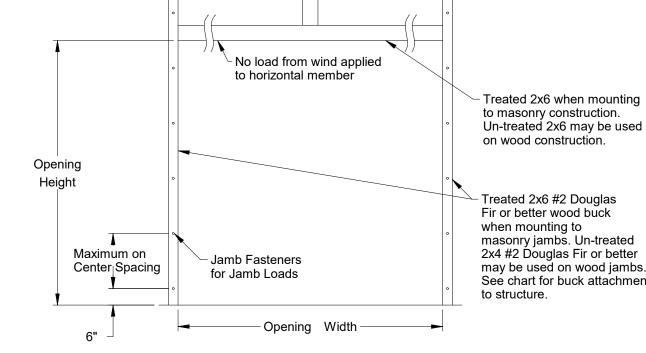


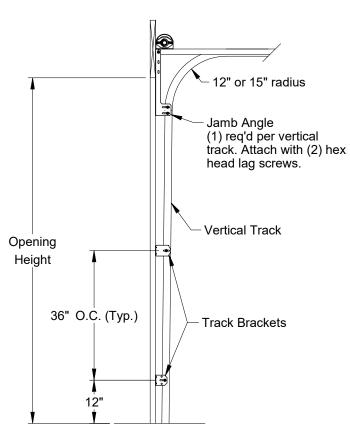
Jamb Attachment Notes:

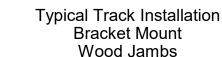
- 1. Maximum Positive Load per Jamb = $(18'-2" \times 15.5 \text{ PSF}) / 2 = 141 \text{ lbs. per foot.}$
- 2. Maximum Negative Load per Jamb = $(18'-2" \times -17.2 \text{ PSF}) / 2 = 157 \text{ lbs. per foot.}$
- 3. Design of the supporting structure shall be the sole responsibility of the building 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

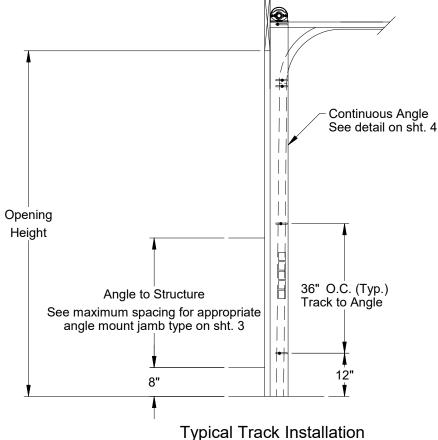


Treated 2x6 #2 Douglas Fir or better wood buck when mounting to masonry jambs. Un-treated 2x4 #2 Douglas Fir or better may be used on wood jambs. See chart for buck attachment



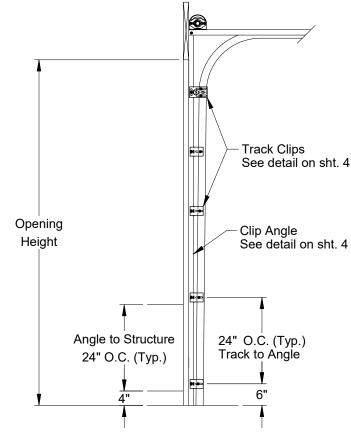


Normal headroom track shown, low headroom, lift clearance and verical lift track available.



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.

Scale: None	
Drawn by: G. Wedekind	١,
Checked by: G. Wedekind	
Date: 02/15/13	
ECO: 6530.01	



Spec, Wind Load TH160, TM175, TM200, TM220

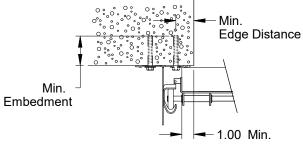
Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

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-2424

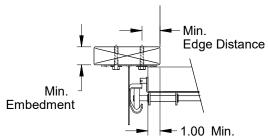
Angle Mount					
Jamb Type	Fastener Type	Minimum Embedment (in.)	Minimum Edge	Maximum on Center Spacing (in.)	Tension Load
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	36"	893
	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	36"	687
	1/4" x 2-5/8" Screw-Bolt+ with 9/16" OD Washer	2-1/2"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

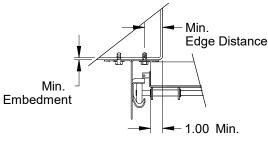


Track Assembly Attachment to Wood Jamb

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

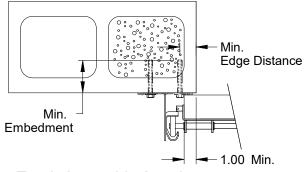


Scott A. Brown, P.E. Lic. No. 65940 Wendler Engineering Services, Inc. 698 Timber Creek Road, Dixon, IL 61021 FBPE CA Lic. No. 31544 Structural Adequacy for Wind Load



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

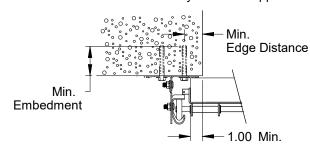


Track Assembly Attachment to Grout Filled CMU Block

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

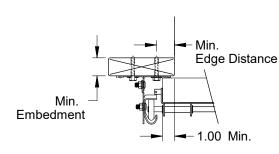
Pre-Assembled Clip Angle					
Jamb Type	Fastener Type	Minimum Embedment (in.)	Minimum Edge Distance (in.)	Maximum on Center Spacing (in.)	Allowable Tension Load (Lbs.)
2500 PSI Min. Concrete	3/8" ITW Trubolt	2-1/2"	2-1/2"	24"	893
	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	1-5/8"	24"	687
	1/4" x 2-5/8"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



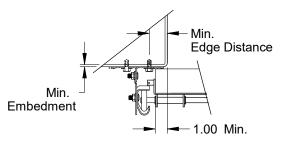
Pre-Assembled Track Assembly Attachment to 2500 PSI Min. Concrete

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



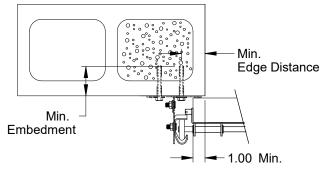
Pre-Assembled Track Assembly Attachment to Wood Jamb

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

o. P-2424 Sheet 3

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

