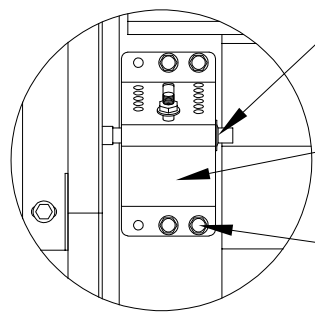


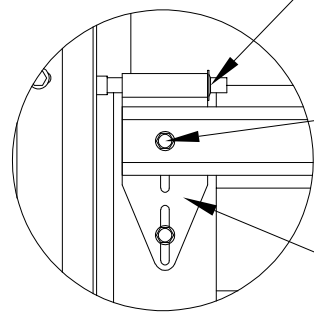


PUSH NUT
7/16"
See DETAIL K for push nut placement.

ADJUSTABLE TOP FIXTURE
12 Ga

TEK SCREW
1/4" X 3/4" Hex Washer Head Self Drilling (4 per Bracket)

DETAIL A

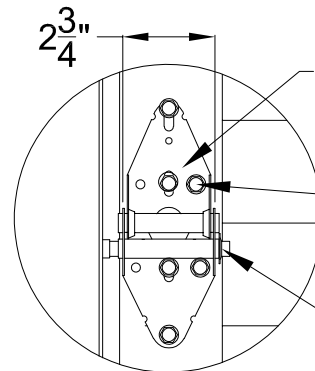


PUSH NUT
7/16"
See DETAIL K for push nut placement.

TEK SCREW
1/4" X 3/4" Hex Washer Head Self Drilling (2 per Bracket)

LOW HEADROOM TOP BRACKET

LOW HEADROOM TOP BRACKET

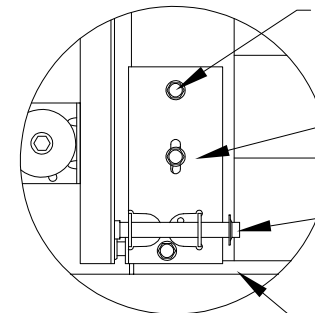


END HINGE
14 Ga Minimum Galvanized Steel

TEK SCREW
1/4" X 3/4" Hex Washer Head Self Drilling (6 per Hinge)

PUSH NUT
7/16"
See DETAIL K for push nut placement.

DETAIL B



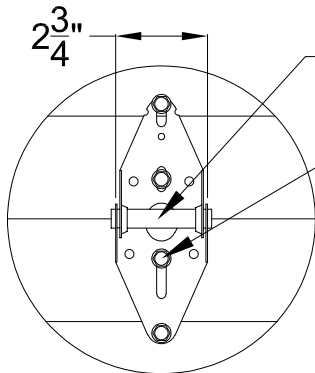
TEK SCREW
1/4" X 3/4" Hex Washer Head Self Drilling (3 per Bottom Bracket)

BOTTOM BRACKET
13 Ga Galvanized Steel

PUSH NUT
7/16"
See DETAIL K for push nut placement.

BOTTOM SEAL

DETAIL C

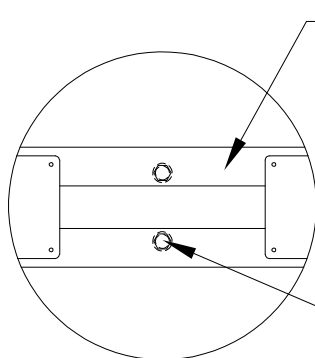


INTERMEDIATE HINGE
18 Ga Minimum Galvanized Steel

TEK SCREW
1/4" X 3/4" Hex Washer Head Self Drilling (4 per Hinge)

DETAIL D

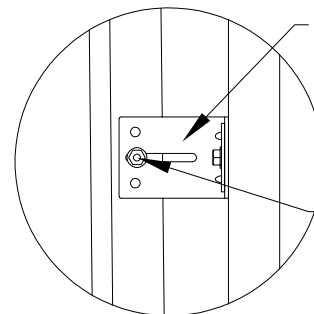
NOTE: The location of the intermediate hinges is indicated by the toggle lock dimples at the top of each section.



3 1/2" x 4" E STRUT
18 Ga 50 KSI Minimum Galvanized Steel

TEK SCREW
1/4" X 3/4" Hex Washer Head Self Drilling (2 per End & Intermediate Stiles)

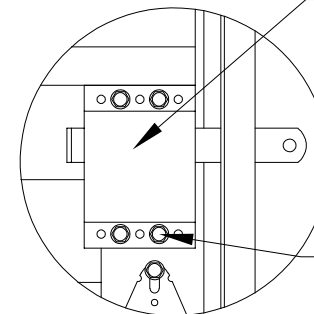
DETAIL E



JAMB BRACKET
12 Ga Galvanized Steel

BOLT & NUT
1/4-20 X 5/8" Carriage Bolt & 1/4-20 Hex Washer Nut (1 per Jamb Bracket)

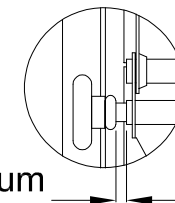
DETAIL F



SLIDE LOCK or LOCK BARS
(not required with operator)

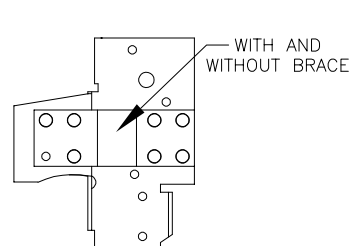
TEK SCREW
1/4" X 3/4" Hex Washer Head Self Drilling (4 per Slide Lock)

DETAIL G

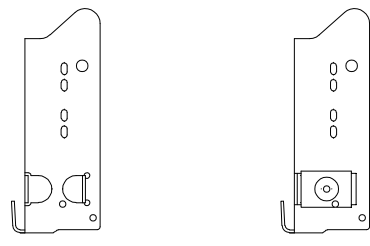


Maximum
1/2"
DETAIL K

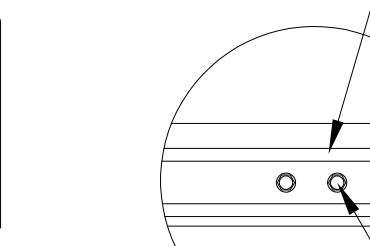
There should be a space of maximum 1/2" between the roller hub and the outside edge of the roller holder which is set by the push nut.



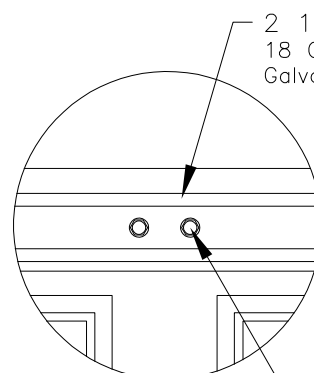
RESIDENTIAL & LIGHT COMMERCIAL
For Low Headroom With 2" Track and Single End Stiles



COMMERCIAL
For Standard, High & Vertical Lift With 2" Track and Single End Stiles



COMMERCIAL
For Standard, High & Vertical Lift With 3" Track and Single End Stiles

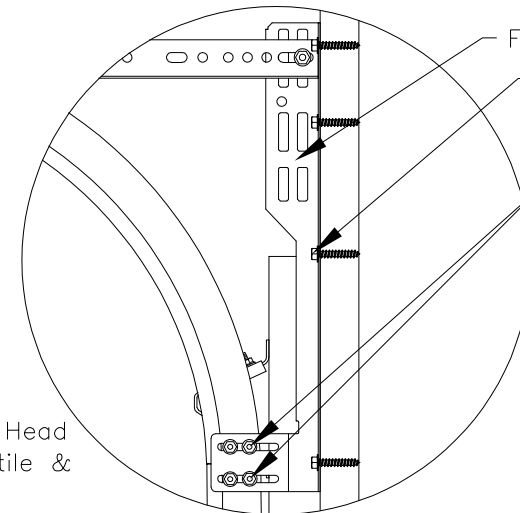


2 1/4" x 2 3/4" E STRUT
18 Ga 70 KSI Minimum Galvanized Steel

TEK SCREW
1/4" x 3/4" Hex Washer Head Self Drilling (1 per End Stile & 2 per Intermediate Stile)

NOTE: 3 Screws Required at Intermediate Hinge Location

DETAIL J

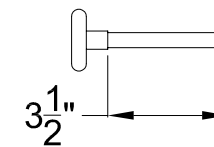


FLAG BRACKET

BOLT
5/16 X 1 5/8" Lag Bolt (4 per Flag Bracket).

BOLT & NUT
1/4-20 X 5/8" Track Bolt & 1/4-20 Hex Washer Nut (2 for Horizontal & 2 for Vertical Track)

DETAIL H



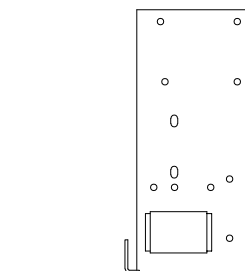
ROLLER

2" Diameter Nominal Eleven Ball Nylon or Ten Ball Steel with a Minimum Workable Shaft Length Shown.

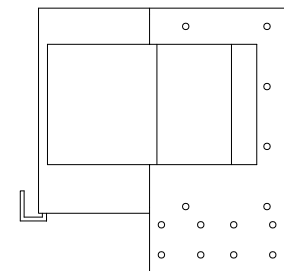
NOTE: Details on some views omitted for clarity.
Double end stiles and end hardware may be provided on wider or heavier doors.

John E. Scates, P.E.
8811 Teel Pkwy #100-5175
Frisco, Texas 75036
Florida P.E. 51737
Texas P.E. 56308/F-2203

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



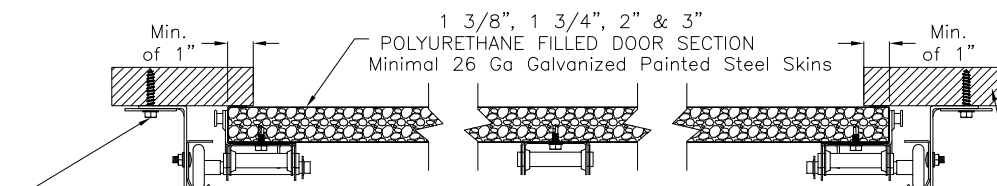
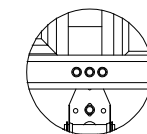
COMMERCIAL HEAVY DUTY
For Standard, High & Vertical Lift With 3" Track and Double End Stiles



COMMERCIAL HEAVY DUTY
For Low Headroom With 3" Track and Double End Stiles

ALTERNATE BOTTOM BRACKETS

NOTE: The bottom bracket tested (shown in DETAIL C) is the lightest bracket available.



BOLT & WASHER
5/16" X 1 5/8" Lag Bolt & 2" O.D. x 7/16" I.D. Flat Washer
NOTE: Jamb bracket must be in direct contact with the 2x6 (No drywall allowed).
NOTE: The flat washer is not required for angle mount.

VERTICAL TRACK - 2" Nominal
13 Ga Galvanized Steel tested.
3" Nominal 13 Ga is also approved as an alternate.

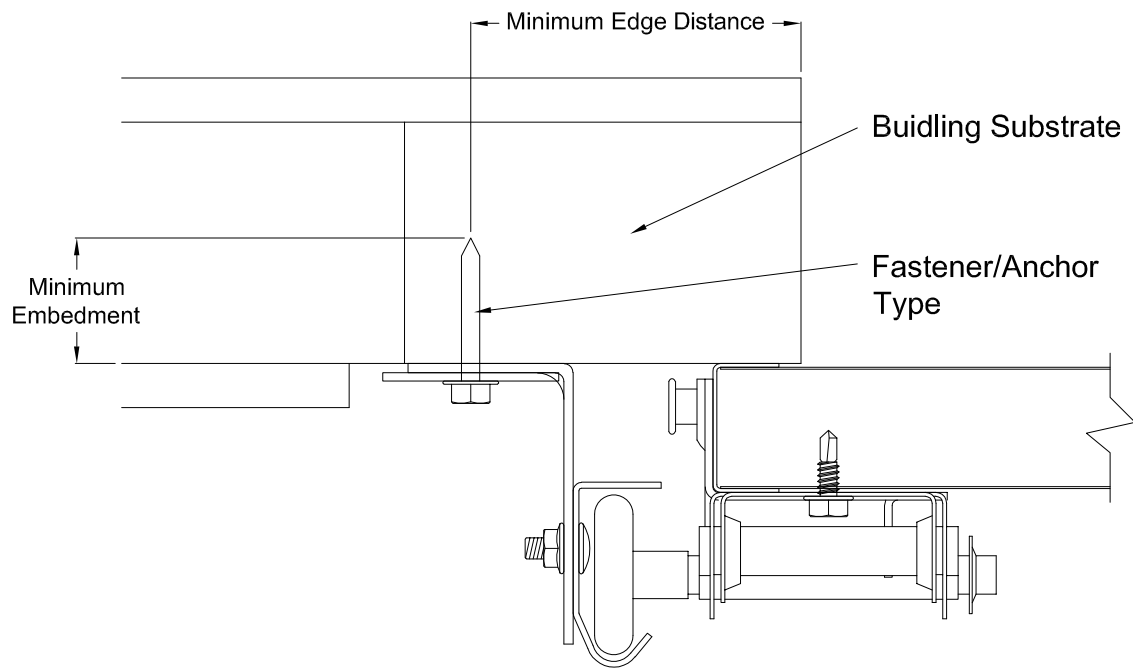
WOOD JAMB
The vertical wood jamb fasteners may be counter sunk to provide a flat mounting surface. See jamb attachment details on sheet 3 for attaching jambs to the structure.

FL #16660.13



DESCRIPTION: 16' 2" HT 600, 700, 2000 & 800 SERIES W/LITES & AM. TRAD. 9000 SERIES WITHOUT LITES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +23.9/-26.7 PSF			
DRAWING NO.: WL-0600-0194-08-24-27L	REV.	P	
DRAWN BY: MVS	DATE DRAWN: 8/6/14	REV. DATE: 7/21/25	
MODEL(S): See Sheet 3	SHEET: 2 OF 4		





Direct Mounting Detail

Bracket Mount Shown, Reverse and Continuous Angle Mount, Reverse and Continuous Angle Clip Mount Also Approved As Alternate.

DIRECT MOUNTING					
Building Substrate	Fastener Type	Minimum Embedment	Minimum Fastener Length	Minimum Edge Distance	Minimum on Center Spacing
Southern Pine (SYP)	5/16" Dia. Lag Screw w/1-1/8" OD Flat Washer (shall conform to ANSI/ASME standard B18.2.1)	-	1-5/8"	1/2"	-
Spruce-Pine-Fur (SPF)	5/16" Dia. Lag Screw w/1-1/8" OD Flat Washer (shall conform to ANSI/ASME standard B18.2.1)	-	2-1/4"	1/2"	-
Min. 2500 PSI Concrete	3/8" Dia. Ankr-Tite CCAT w/1-1/8" OD Flat Washer (by Wej-It Fastening Systems)	2-3/8"	-	2-1/2"	6"
Min. 2500 PSI Concrete	1/4" Dia. Tapcon+ by ITW w/1-1/8" OD Flat Washer	2"	-	2-1/2"	5"
Min. 2500 PSI Concrete	1/4" Dia. Wedge-Bolt+ by Powers Fasteners w/1-1/8" OD Flat Washer	1-3/4"	-	2-1/2"	5"
Min. 2500 PSI Concrete	1/4" Dia. Red Head TruBolt wedge anchor by ITW w/1-1/8" OD Flat Washer	1-3/4"	-	2-1/2"	5"
1/8" GA Steel Minimuml	5/16"-12 Tek Self-Drilling Screw w/1-1/8" OD Flat Washer	-	1"	-	-
3/16" GA Steel	Fillet Weld	See DASMA Technical Data Sheet TDS-161, section G			

NOTE: Doors are available with jamb brackets or commercial full angle. In either case the the maximum spacing noted on sheet 1 should be maintained for the brackets, clips and fasteners for direct mount.

John E. Scates, P.E.
8811 Teel Pkwy #100-5175
Frisco, Texas 75036
Florida P.E. 51737
Texas P.E. 56308/F-2203

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

FL #16660.13



DESCRIPTION:
16' 2" HT 600, 700, 2000 & 800 SERIES W/LITES & AM. TRAD. 9000 SERIES WITHOUT LITES WIND LOAD SECTIONAL DOOR
DESIGN PRESSURE +23.9/-26.7 PSF

DRAWING NO.: WL-0600-0194-08-24-27L	REV. P	
DRAWN BY: MVS	DATE DRAWN: 8/6/14	REV. DATE: 7/21/25
MODEL(S): See Sheet 3		SHEET: 4 OF 4