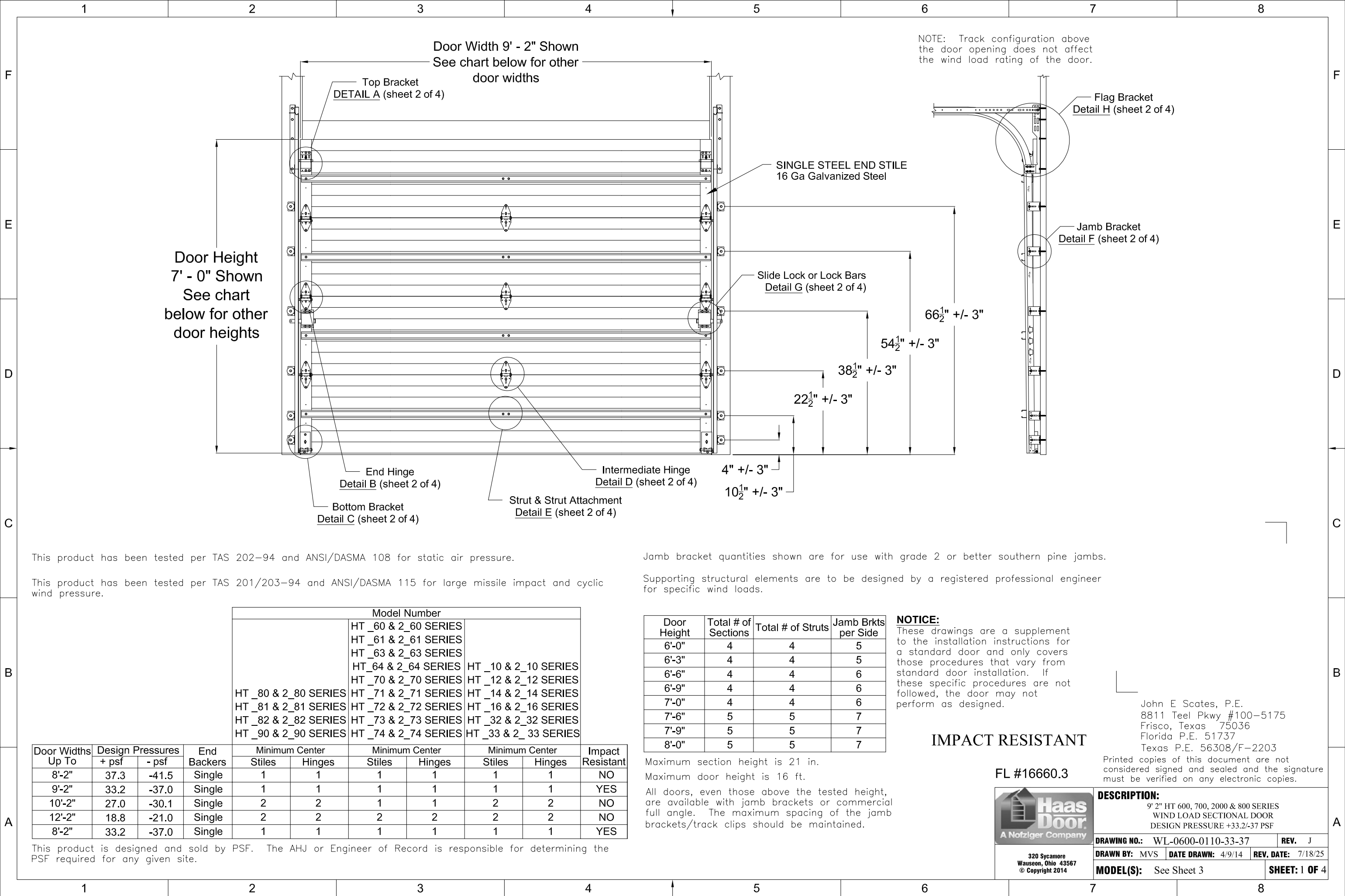




This product has been tested per TAS 202–94 and ANSI/DASMA 108 for static air pressure.

This product has been tested per TAS 201/203–94 and ANSI/DASMA 115 for large missile impact and cyclic wind pressure.

Jamb bracket quantities shown are for use with grade 2 or better southern pine jambs.

Supporting structural elements are to be designed by a registered professional engineer for specific wind loads.

			Model Number							
Door Widths Up To	Design Pressures		End Backers	Minimum Center		Minimum Center		Minimum Center		Impact Resistant
	+ psf	- psf		Stiles	Hinges	Stiles	Hinges	Stiles	Hinges	
8'-2"	37.3	-41.5	Single	1	1	1	1	1	1	NO
9'-2"	33.2	-37.0	Single	1	1	1	1	1	1	YES
10'-2"	27.0	-30.1	Single	2	2	1	1	2	2	NO
12'-2"	18.8	-21.0	Single	2	2	2	2	2	2	NO
8'-2"	33.2	-37.0	Single	1	1	1	1	1	1	YES

HT _60 & 2_60 SERIES	HT _10 & 2_10 SERIES
HT _61 & 2_61 SERIES	HT _12 & 2_12 SERIES
HT _63 & 2_63 SERIES	HT _14 & 2_14 SERIES
HT _64 & 2_64 SERIES	HT _16 & 2_16 SERIES
HT _70 & 2_70 SERIES	HT _32 & 2_32 SERIES
HT _71 & 2_71 SERIES	HT _33 & 2_33 SERIES
HT _72 & 2_72 SERIES	
HT _73 & 2_73 SERIES	
HT _74 & 2_74 SERIES	
HT _80 & 2_80 SERIES	
HT _81 & 2_81 SERIES	
HT _82 & 2_82 SERIES	
HT _90 & 2_90 SERIES	

This product is designed and sold by PSF. The AHJ or Engineer of Record is responsible for determining the PSF required for any given site.

Door Height	Total # of Sections	Total # of Struts	Jamb Brkts per Side
6'-0"	4	4	5
6'-3"	4	4	5
6'-6"	4	4	6
6'-9"	4	4	6
7'-0"	4	4	6
7'-6"	5	5	7
7'-9"	5	5	7
8'-0"	5	5	7

Maximum section height is 21 in.

Maximum door height is 16 ft.

All doors, even those above the tested height, are available with jamb brackets or commercial full angle. The maximum spacing of the jamb brackets/track clips should be maintained.

NOTICE: These drawings are a supplement to the installation instructions for a standard door and only covers those procedures that vary from standard door installation. If these specific procedures are not followed, the door may not perform as designed.

IMPACT RESISTANT

FL #16660.3

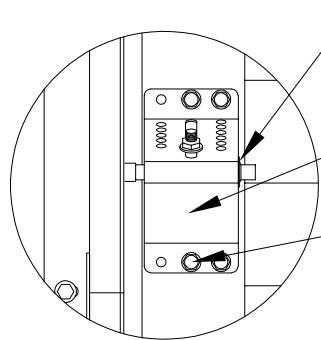


DESCRIPTION:
9' 2" HT 600, 700, 2000 & 800 SERIES
WIND LOAD SECTIONAL DOOR
DESIGN PRESSURE +33.2/-37 PSF

DRAWING NO.: WL-0600-0110-33-37	REV. J	
DRAWN BY: MVS	DATE DRAWN: 4/9/14	REV. DATE: 7/18/25
MODEL(S): See Sheet 3	SHEET: 1 OF 4	

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.

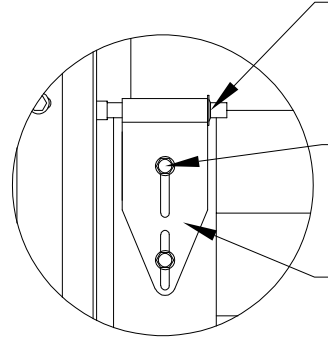


PUSH NUT
7/16"
See DETAIL K for push nut placement.

ADJUSTABLE TOP FIXTURE
12 Ga

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

DETAIL A

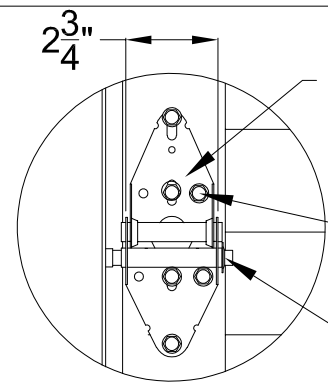


PUSH NUT
7/16"
See DETAIL K for push nut placement.

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

LOW HEADROOM TOP BRACKET

LOW HEADROOM TOP BRACKET

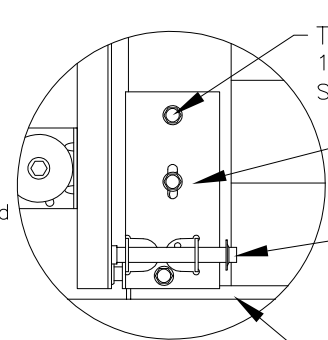


END HINGE
14 Ga Minimum Galvanized Steel

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



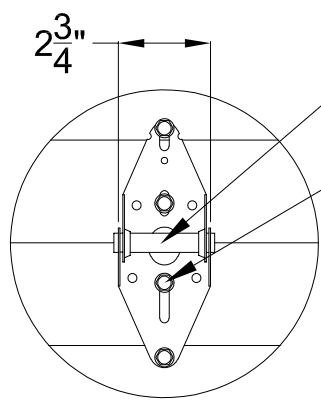
TEK SCREW
1/4" X 3/4" Hex Washer Head
Self Drilling (3 per Bottom Bracket)

BOTTOM BRACKET
13 Ga Galvanized Steel

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

BOTTOM SEAL

DETAIL C

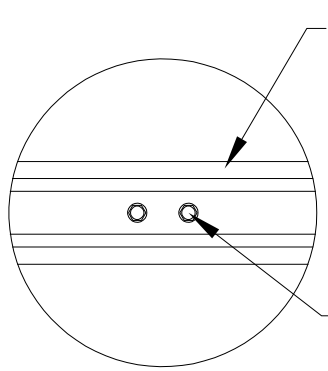


INTERMEDIATE HINGE
18 Ga Minimum Galvanized Steel

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

DETAIL D

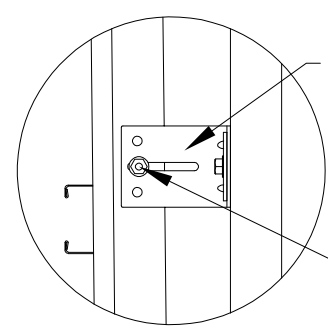
NOTE: The location of the intermediate hinges is indicated by the toggle lock dimples at the top of each section.



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

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

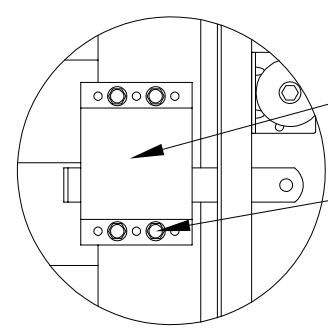
DETAIL E



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)

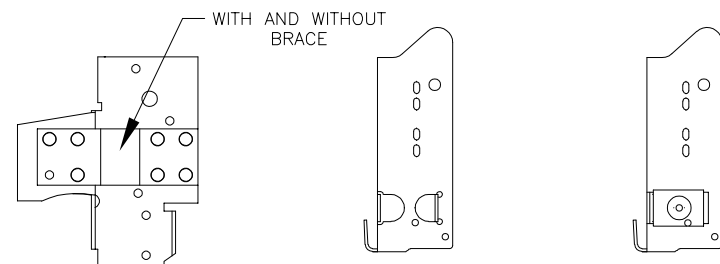
DETAIL F



SLIDE LOCK or LOCK BARS

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

DETAIL G



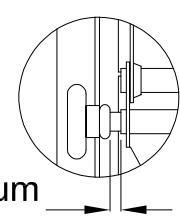
RESIDENTIAL & LIGHT COMMERCIAL For Low Headroom With 2" Track and Single End Stiles

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

ALTERNATE BOTTOM BRACKETS

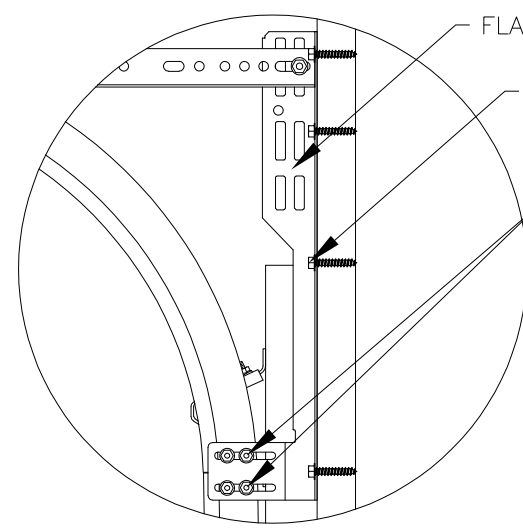
NOTE: The bottom bracket tested (shown in DETAIL C) is the lightest bracket available.



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.

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



FLAG BRACKET

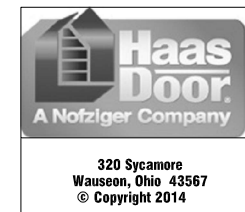
BOLT
5/16 X 1 5/8" Lag Bolt (4 per Flag Bracket).

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

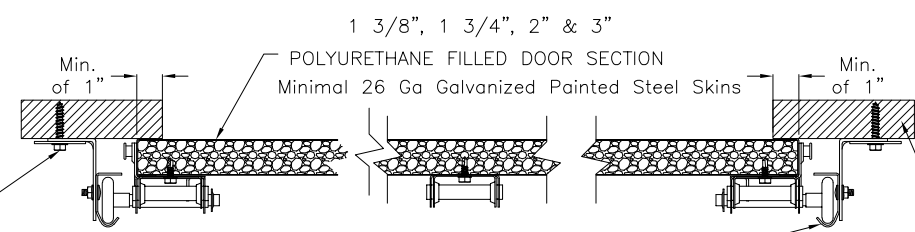
DETAIL H

IMPACT RESISTANT

FL #16660.3



DESCRIPTION: 9'2" HT 600, 700, 2000 & 800 SERIES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +33.2/-37 PSF			
DRAWING NO.: WL-0600-0110-33-37	REV. J		
DRAWN BY: MVS	DATE DRAWN: 4/9/14	REV. DATE: 7/18/25	
MODEL(S): See Sheet 3			SHEET: 2 OF 4



1 3/8", 1 3/4", 2" & 3"

Min. of 1"

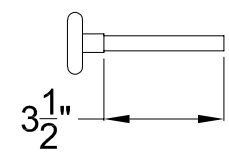
POLYURETHANE FILLED DOOR SECTION
Minimal 26 Ga Galvanized Painted Steel Skins

Min. of 1"

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: A 5/8" minimal O.D. flat washer (not provided) is required for angle mount.

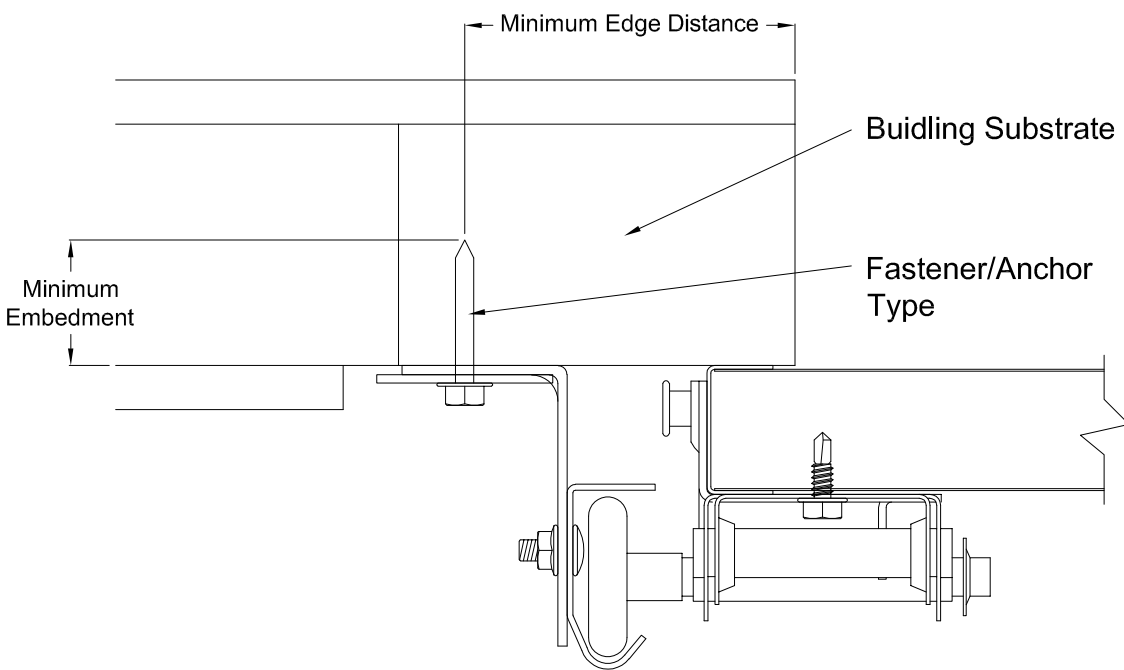
VERTICAL TRACK - 2" Nominal
13 Ga Galvanized Steel tested.
3" Nominal 13 Ga is also approved as an alternate.

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.



ROLLER

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



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.

IMPACT RESISTANT

FL #16660.3



DESCRIPTION:
9' 2" HT 600, 700, 2000 & 800 SERIES
WIND LOAD SECTIONAL DOOR
DESIGN PRESSURE +33.2/-37 PSF

DRAWING NO.: WL-0600-0110-33-37	REV. J	
DRAWN BY: MVS	DATE DRAWN: 4/9/14	REV. DATE: 7/18/25
MODEL(S): See Sheet 3		SHEET: 4 OF 4

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.