

This product has been evaluated per ANSI/DASMA 108 for static air pressure.
This product has been evaluated per 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 Stile	Minimum Center		Minimum Center		Minimum Center		Impact Resistant
	+ psf	- psf		Stiles	Hinges	Stiles	Hinges	Stiles	Hinges	
10'-2"	49.7	-55.5	Single	4	2	3	1	5	2	NO
12'-2"	41.5	-46.3	Single	5	2	5	2	5	2	NO
14'-2"	35.7	-39.8	Single	6	4	5	2	7	3	NO
16'-2"	31.3	-34.9	Single	7	3	7	3	7	3	YES
18'-2"	24.7	-27.6	Single	7	3	7	3	7	3	NO
20'-2"	20.1	-22.4	Single	9	5	9	5	11	5	NO
10'-2"	31.3	-34.9	Single	4	2	3	1	5	2	YES
12'-2"	31.3	-34.9	Single	5	2	5	2	5	2	YES
14'-2"	31.3	-34.9	Single	6	4	5	2	7	3	YES

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

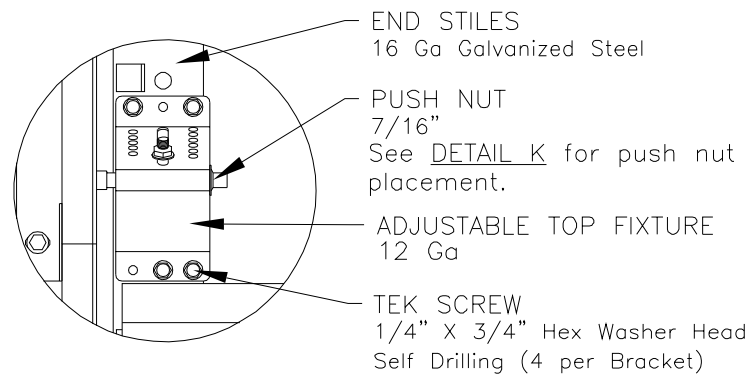
FL #16650.20



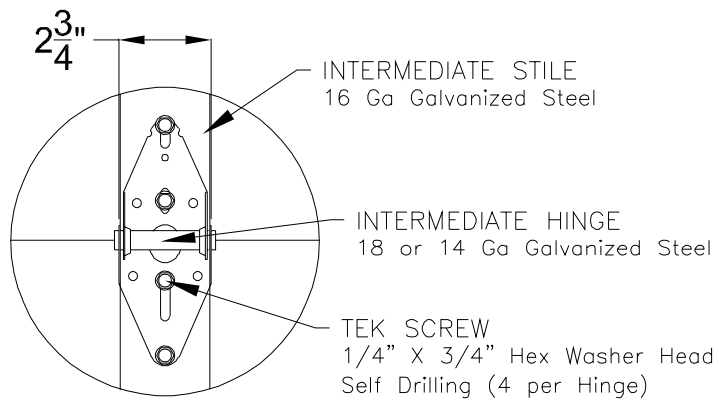
DESCRIPTION:
16' 2" PAN 2000 SERIES WIND LOAD
SECTIONAL DOOR
DESIGN PRESSURE +31.3/-34.9 PSF

DRAWING NO.: WL-2000-0194-31-35	REV. K	
DRAWN BY: MVS	DATE DRAWN: 4/17/14	REV. DATE: 8/30/23
MODEL(S): See Sheet 3		SHEET: 1 OF 4

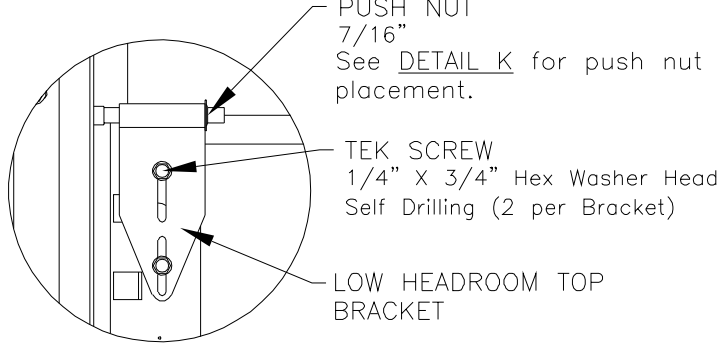
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2560 King Arthur Blvd. Ste 124-54
Lewisville, Texas 75056
Florida P.E. # 51737
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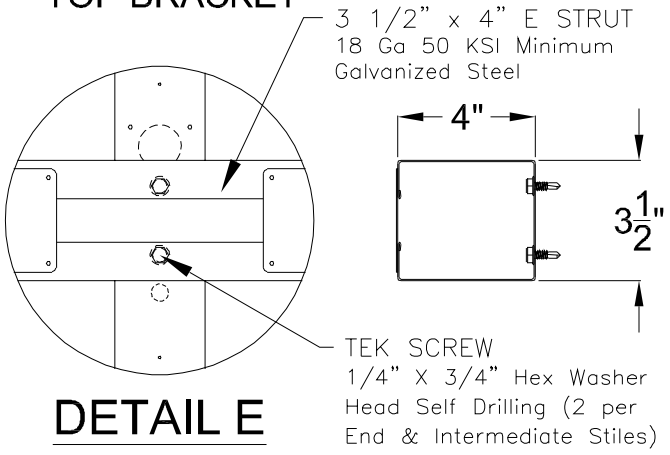
DETAIL A



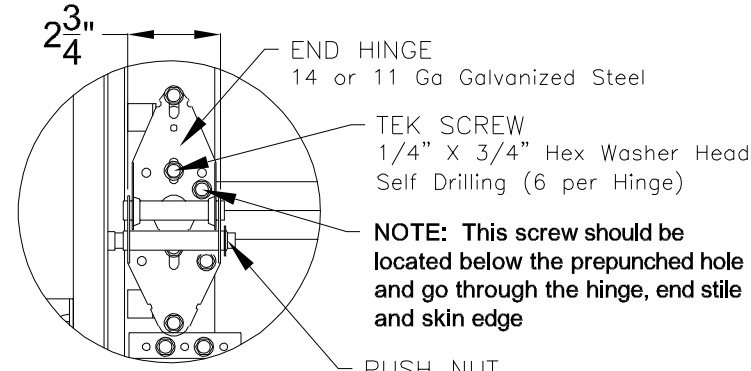
DETAIL D



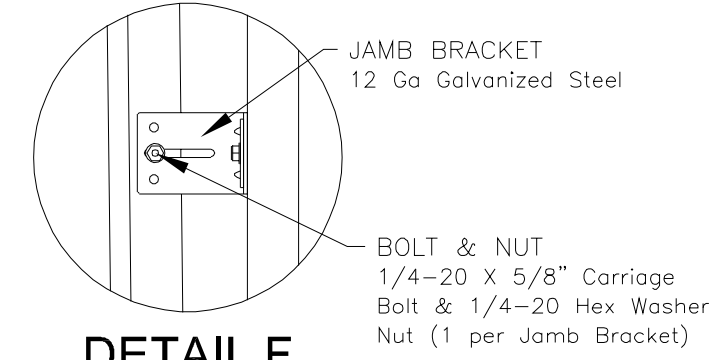
LOW HEADROOM TOP BRACKET



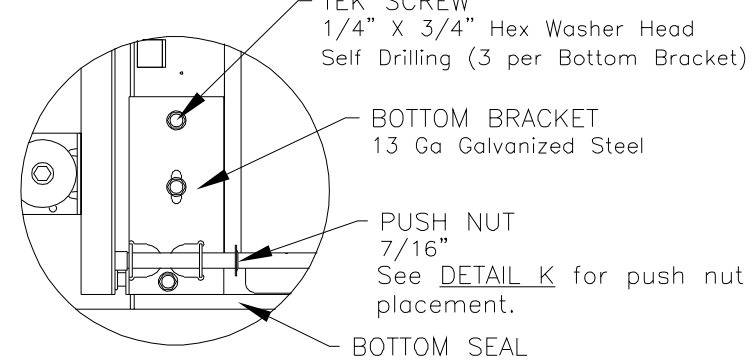
DETAIL E



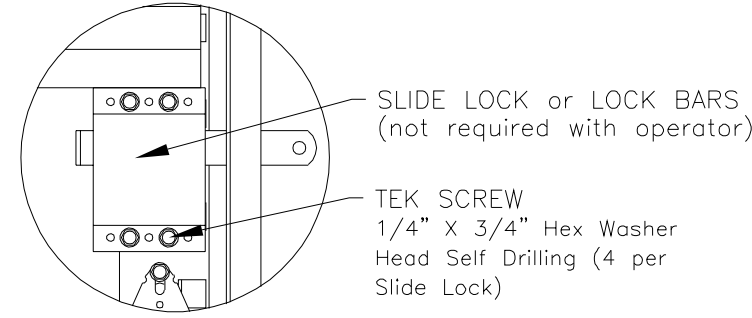
DETAIL B



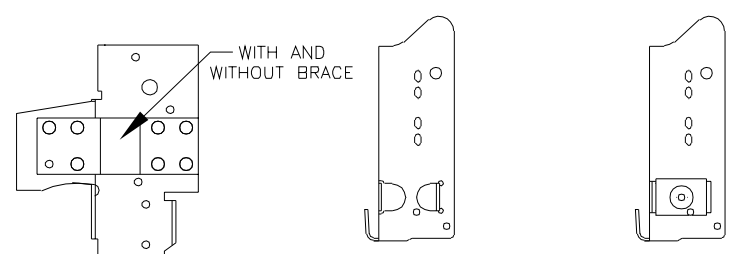
DETAIL F



DETAIL C



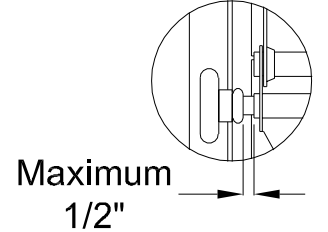
DETAIL G



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

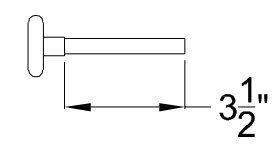
COMMERCIAL
For Standard, High & Vertical Lift With 2" Track and Single End Stiles

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



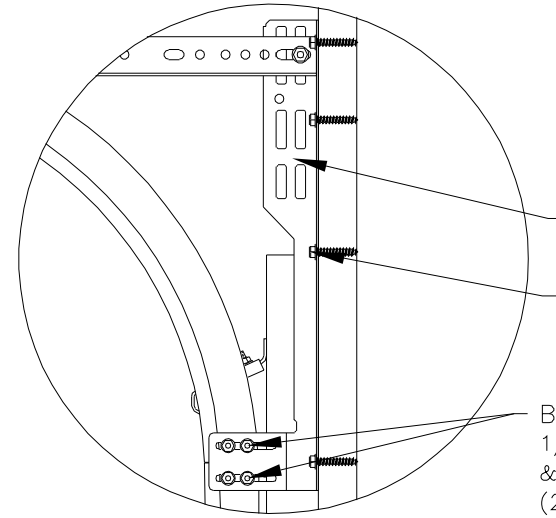
DETAIL K

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.



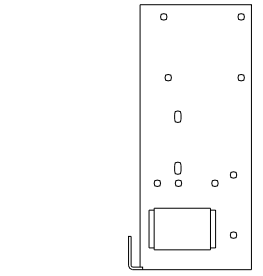
ROLLER

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

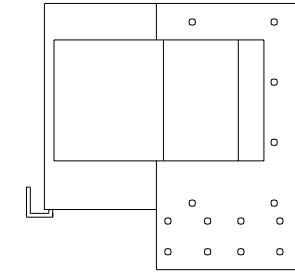


DETAIL H

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



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.



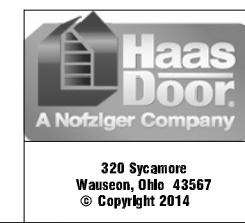
BOLT & WASHER
5/16" X 1 5/8" Lag Bolt & 2" O.D. x 7/16" I.D. Flat Washer
NOTE: Jamb bracket must be in direct contact with the 2x6 (No drywall allowed).
NOTE: The flat washer is not required for angle mount.

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.

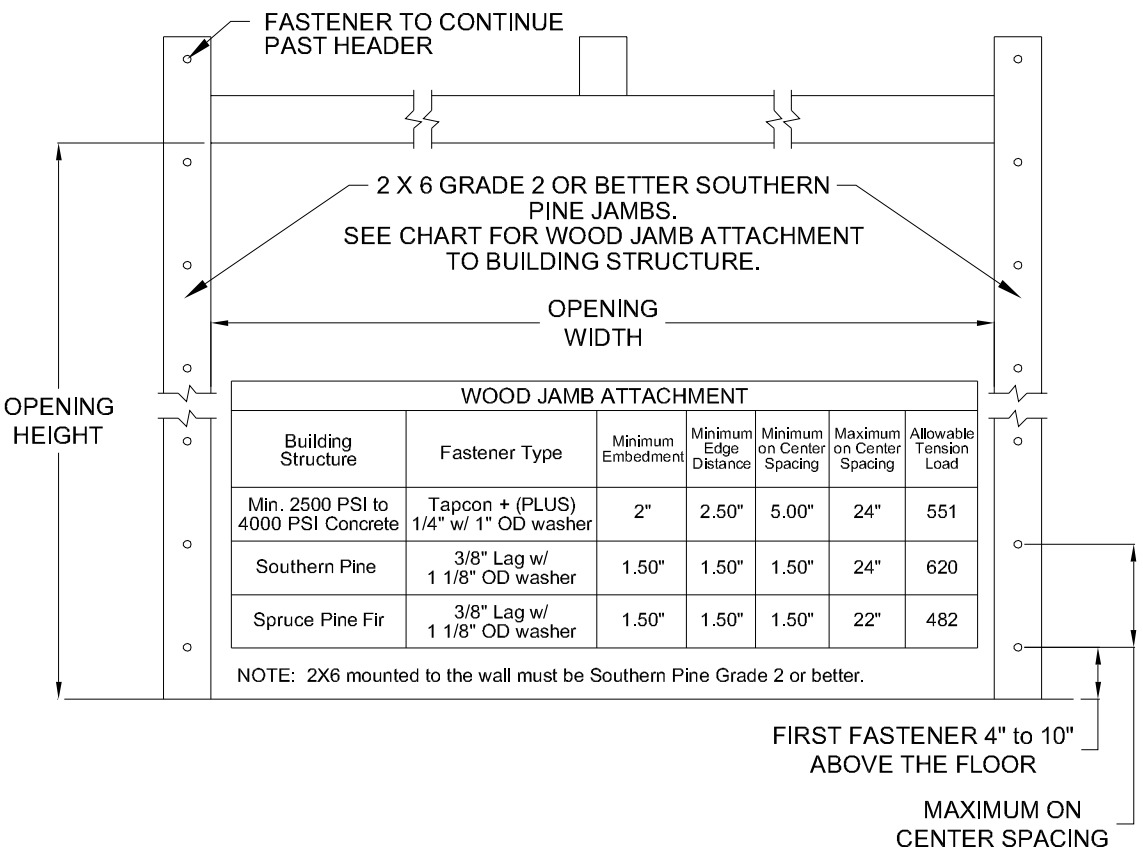
IMPACT RESISTANT

FL #16650.20



DESCRIPTION: 16' 2" PAN 2000 SERIES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +31.3/-34.9 PSF			
DRAWING NO.: WL-2000-0194-31-35	REV. K		
DRAWN BY: MVS	DATE DRAWN: 4/17/14	REV. DATE: 8/30/23	
MODEL(S): See Sheet 3			SHEET: 2 OF 4

John E. Scates, P.E.
2560 King Arthur Blvd. Ste 124-54
Lewisville, Texas 75056
Florida P.E. # 51737
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MODEL NUMBERS

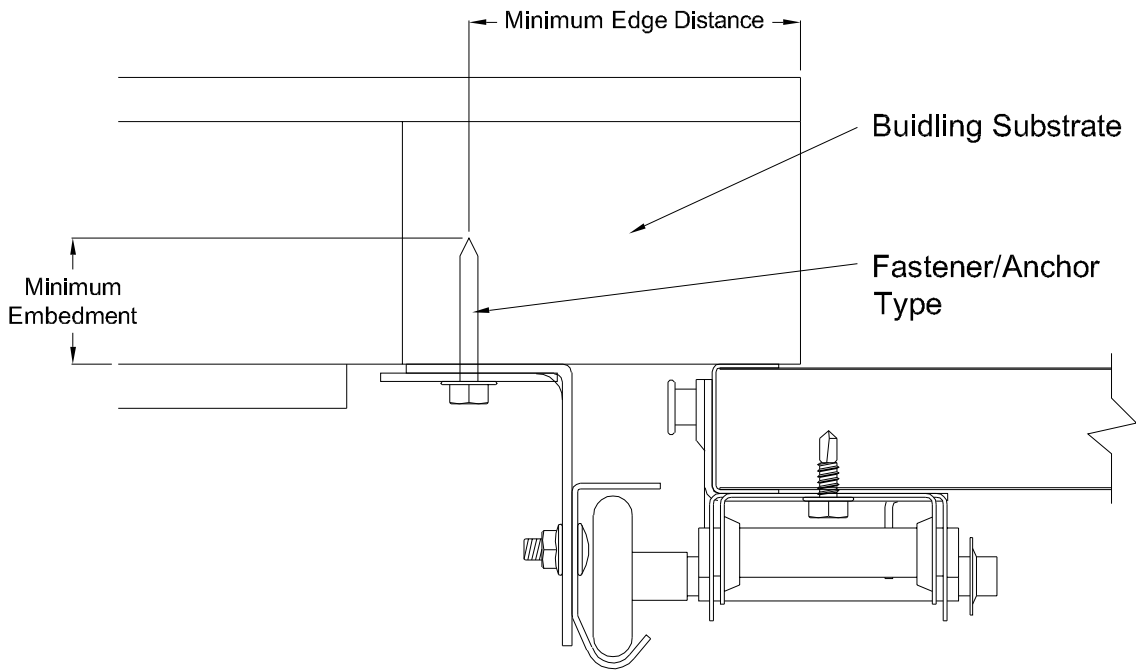
MODEL NUMBERS AVAILABLE
PAN C2011 SERIES
PAN C2015 SERIES
PAN C2411 SERIES
PAN C2415 SERIES
PAN C2511 SERIES
PAN C2410 & R2410 SERIES
PAN C2460 & R2460 SERIES
PAN C2461 & R2461 SERIES
PAN C2471 & R2471 SERIES
PAN C2472 & R2472 SERIES
PAN C2480 & R2480 SERIES
PAN C2481 & R2481 SERIES
PAN C2482 & R2482 SERIES
PAN R2560 SERIES
PAN R2561 SERIES
PAN R2571 SERIES
PAN R2572 SERIES
PAN R2580 SERIES
PAN R2581 SERIES
PAN R2582 SERIES

IMPACT RESISTANT

FL #16650.20

 <div>320 Sycamore Wauseon, Ohio 43567 © Copyright 2014</div>	DESCRIPTION: 16' 2" PAN 2000 SERIES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +31.3/-34.9 PSF		
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	DRAWN BY: MVS	DATE DRAWN: 4/17/14	REV. DATE: 8/30/23
	MODEL(S): See Sheet 3		SHEET: 3 OF 4

John E. Scates, P.E.
2560 King Arthur Blvd. Ste 124-54
Lewisville, Texas 75056
Florida P.E. # 51737
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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 Minimum	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 #16650.20



320 Sycamore
Wauseon, Ohio 43567
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Lewisville, Texas 75056
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