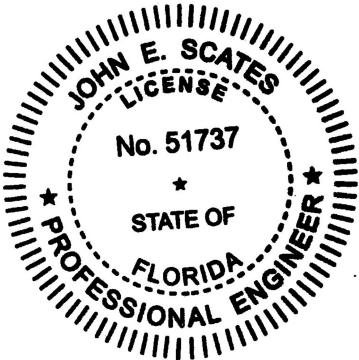
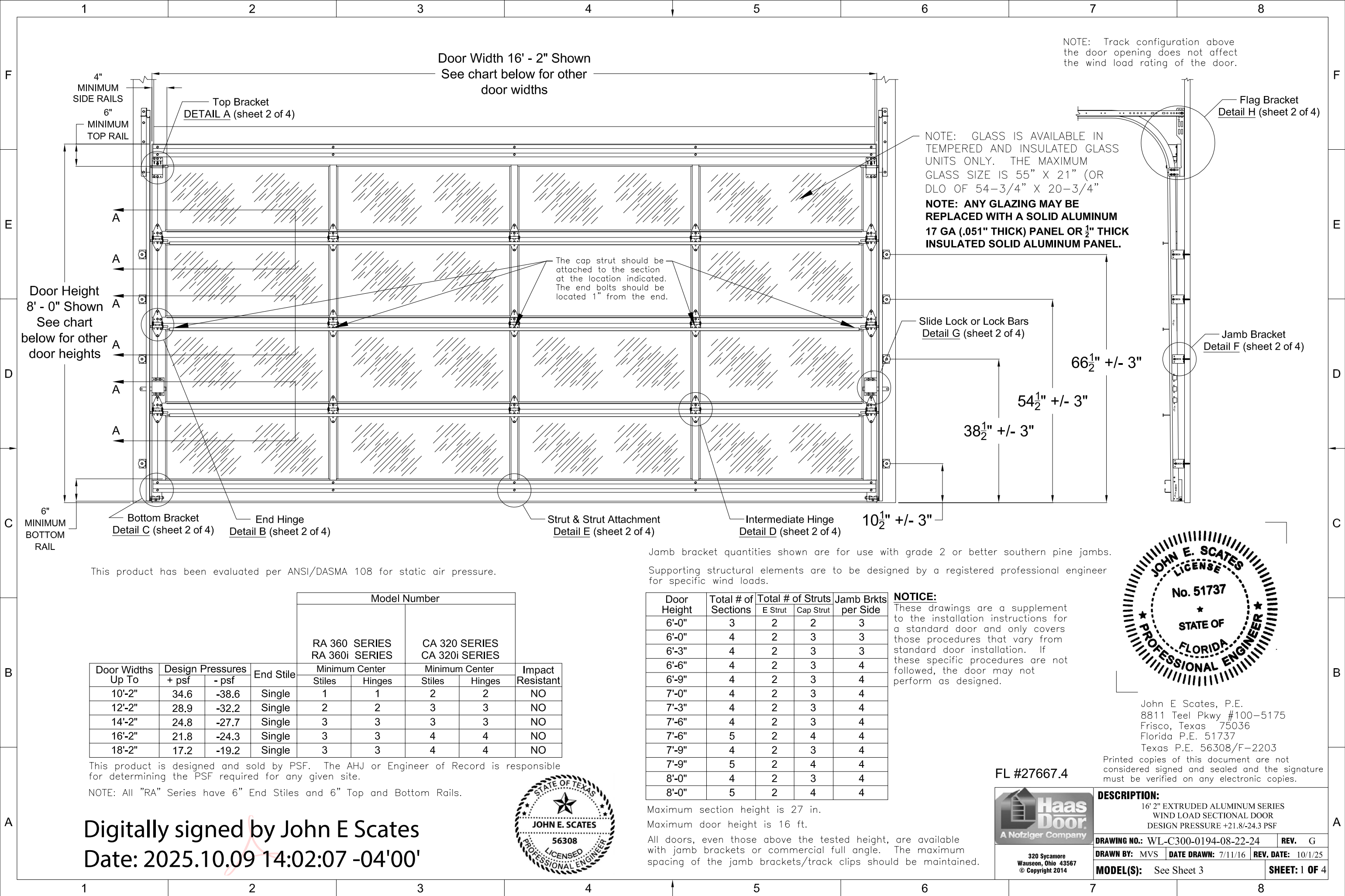




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FL #27667.4



320 Sycamore
Wauseon, Ohio 43567
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DESCRIPTION: 16' 2" EXTRUDED ALUMINUM SERIES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +21.8/-24.3 PSF			
DRAWING NO.: WL-C300-0194-08-22-24	REV. G		
DRAWN BY: MVS	DATE DRAWN: 7/11/16	REV. DATE: 10/1/25	
MODEL(S): See Sheet 3			SHEET: 1 OF 4

This product has been evaluated per ANSI/DASMA 108 for static air pressure.

			Model Number					
			RA 360 SERIES RA 360i SERIES		CA 320 SERIES CA 320i SERIES			
Door Widths Up To	Design Pressures		End Stile	Minimum Center		Minimum Center		Impact Resistant
	+ psf	- psf		Stiles	Hinges	Stiles	Hinges	
10'-2"	34.6	-38.6	Single	1	1	2	2	NO
12'-2"	28.9	-32.2	Single	2	2	3	3	NO
14'-2"	24.8	-27.7	Single	3	3	3	3	NO
16'-2"	21.8	-24.3	Single	3	3	4	4	NO
18'-2"	17.2	-19.2	Single	3	3	4	4	NO

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.

NOTE: All "RA" Series have 6" End Stiles and 6" Top and Bottom Rails.

Digitally signed by John E Scates
Date: 2025.10.09 14:02:07 -04'00'



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.

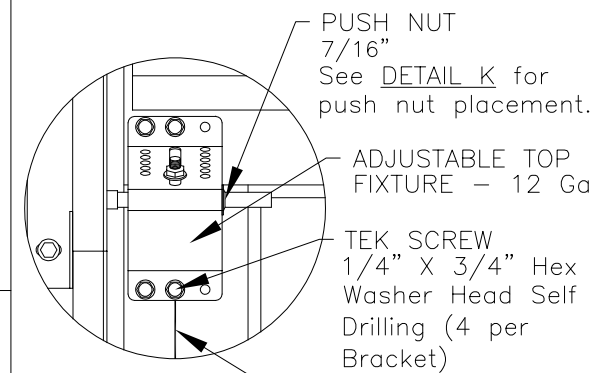
Door Height	Total # of Sections	Total # of Struts		Jamb Brkts per Side
		E Strut	Cap Strut	
6'-0"	3	2	2	3
6'-0"	4	2	3	3
6'-3"	4	2	3	3
6'-6"	4	2	3	4
6'-9"	4	2	3	4
7'-0"	4	2	3	4
7'-3"	4	2	3	4
7'-6"	4	2	3	4
7'-6"	5	2	4	4
7'-9"	4	2	3	4
7'-9"	5	2	4	4
8'-0"	4	2	3	4
8'-0"	5	2	4	4

Maximum section height is 27 in.

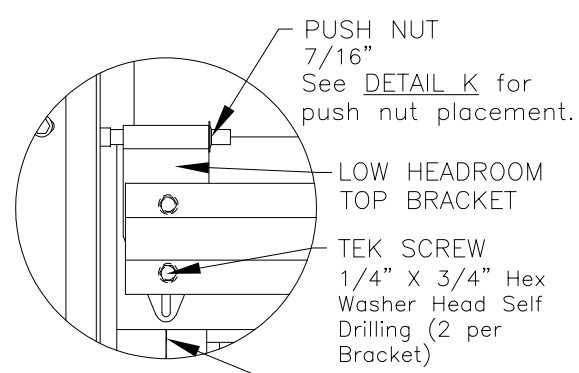
Maximum door height is 16 ft.

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.

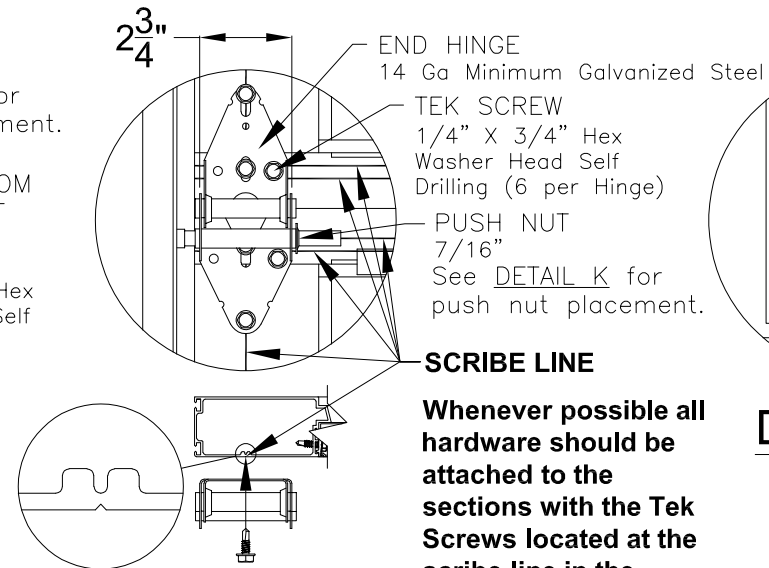
NOTICE:
These drawings are a supplement to the installation instructions for a standard door and only covers those procedures that vary from standard door installation. If these specific procedures are not followed, the door may not perform as designed.



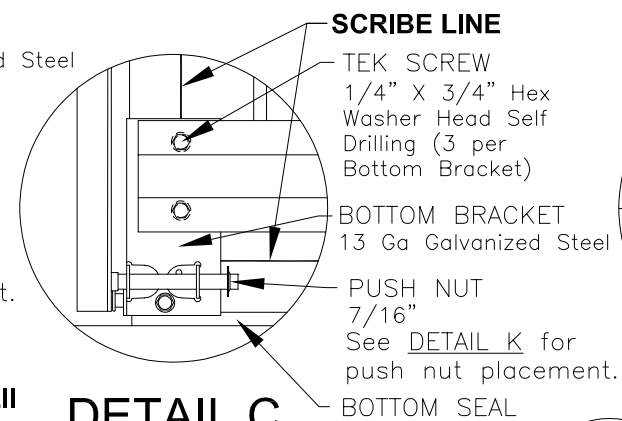
DETAIL A — SCRIBE LINE



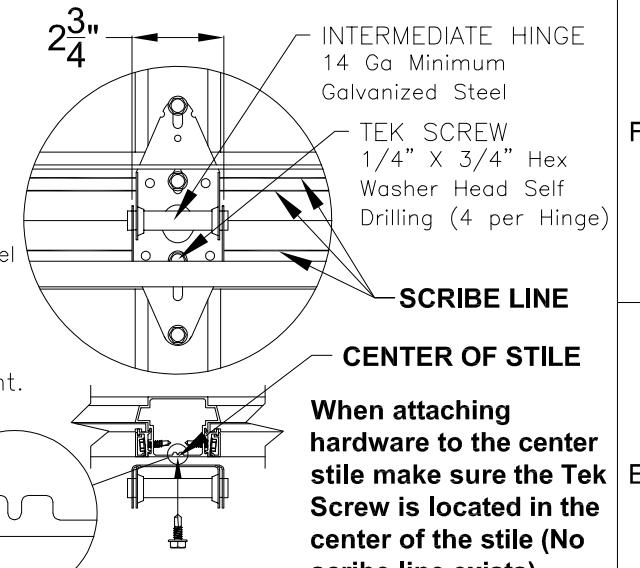
LOW HEADROOM
TOP BRACKET



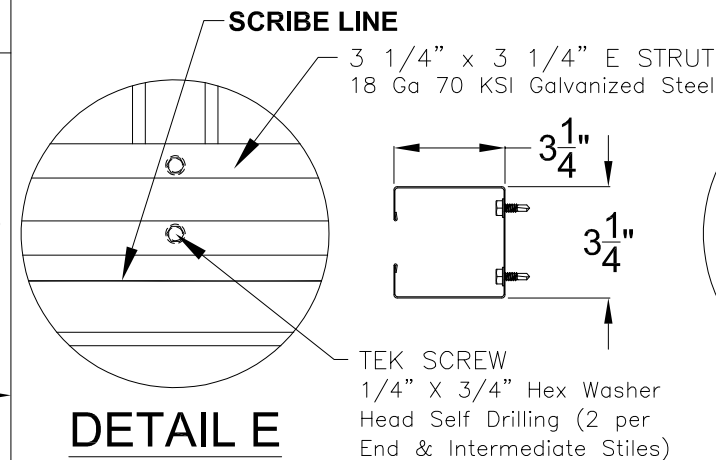
DETAIL B



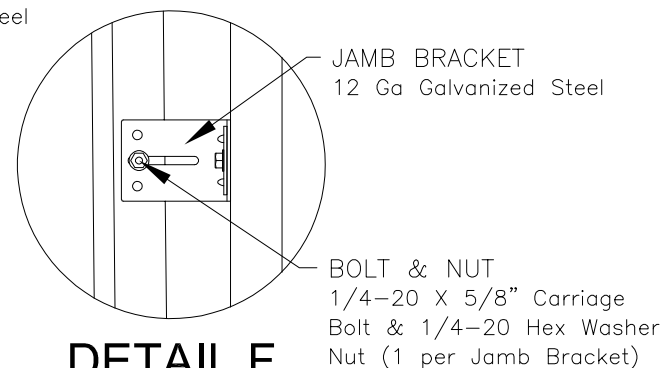
DETAIL C



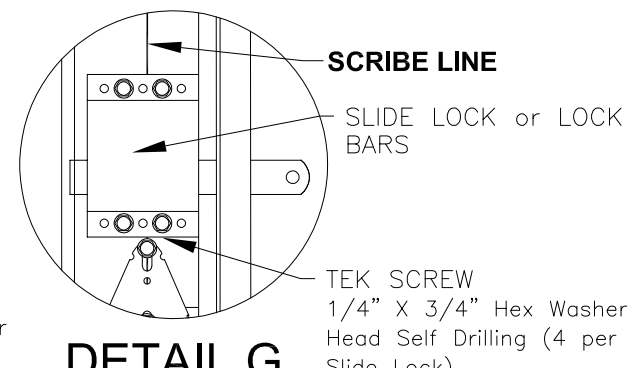
DETAIL D



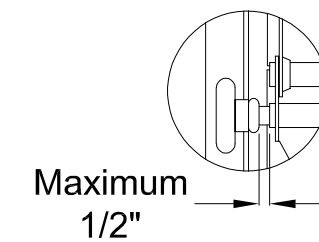
DETAIL E



DETAIL F

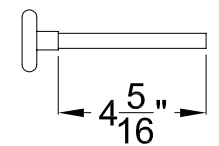


DETAIL G



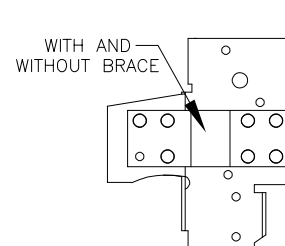
DETAIL K

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.

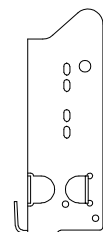


ROLLER

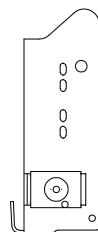
2" Diameter Nominal
Eleven Ball Nylon or Ten
Ball Steel with a
Minimum Workable Shaft
Length Shown.



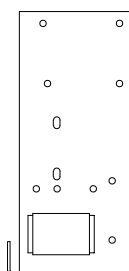
RESIDENTIAL & LIGHT
COMMERCIAL
For Low Headroom With 2"
Track and Single End Stiles



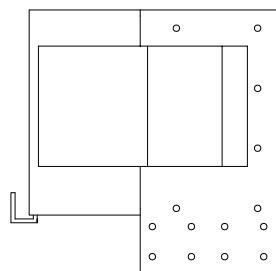
COMMERCIAL
For Standard, High &
Vertical Lift With 2" Track
and Single End Stiles



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



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

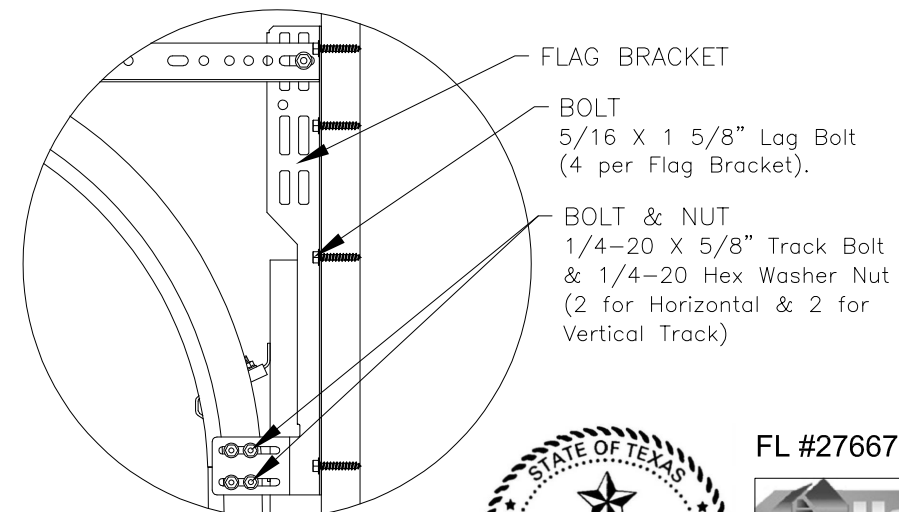


COMMERCIAL HEAVY DUTY
For Low Headroom With 3"
Track and Double End Stiles

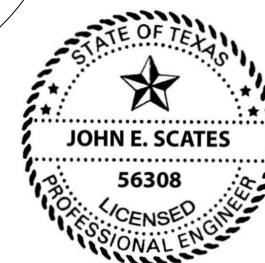
ALTERNATE BOTTOM BRACKETS

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

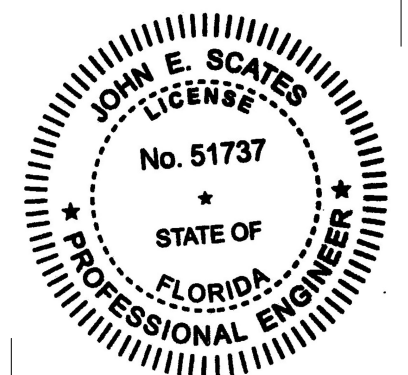
NOTE: Details on some views omitted for clarity.
Double end stiles and end hardware may be provided on wider or heavier doors.



DETAIL H



FL #27667.4



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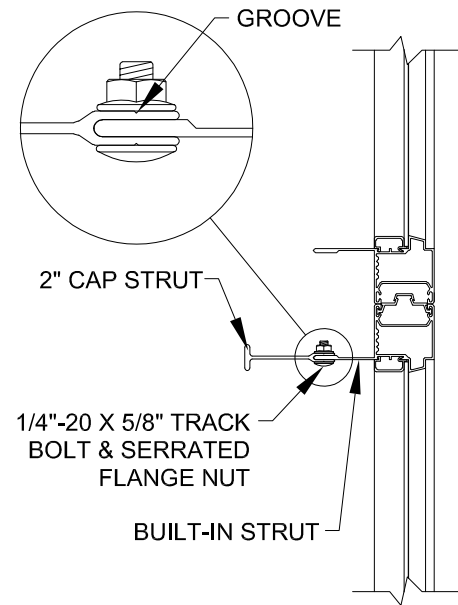
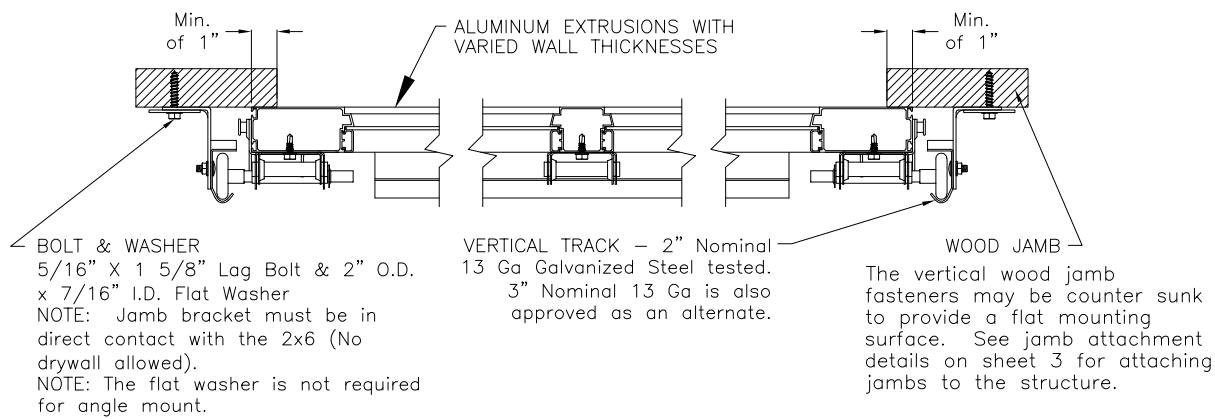
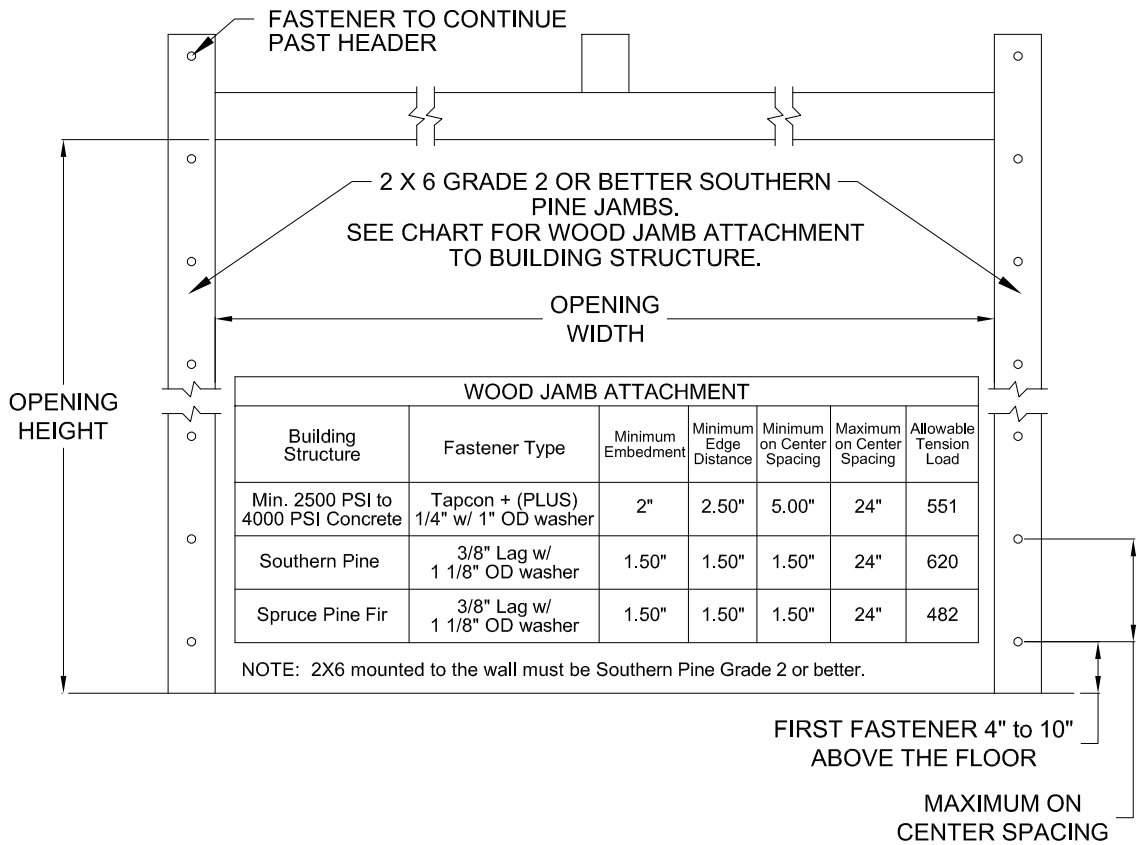
DESCRIPTION:

16' 2" EXTRUDED ALUMINUM SERIES
WIND LOAD SECTIONAL DOOR
DESIGN PRESSURE +21.8/-24.3 PSF

DRAWING NO.: WL-C300-0194-08-22-24	REV. G
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DRAWN BY: MVS	DATE DRAWN: 7/11/16	REV. DATE: 10/1/25
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MODEL(S): See Sheet 3 SHEET: 2 OF 4

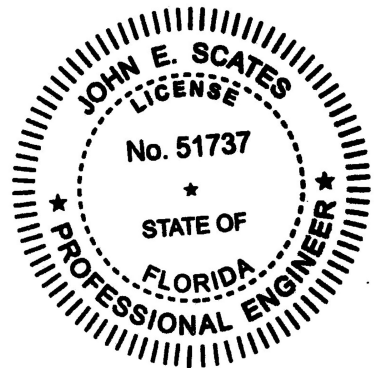
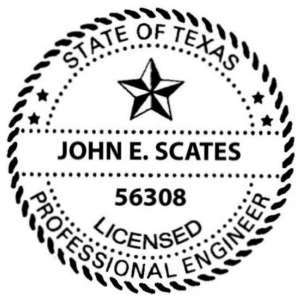


Section A-A
Scale: 4 = 1

NOTE: To install the cap strut, first center it horizontally with the built-in strut. Next tap on the flat end until it is fully engaged with the built-in strut. Fasten the two together using the provided track bolts. A bolt should be used at each hinge location and at the end of each cap strut. The end bolts should be located a minimum of 1" from the end of the cap strut. There is a groove in the cap strut that should be used as a guide for drilling the holes.

MODEL NUMBERS

MODEL NUMBERS AVAILABLE	
RA 360 SERIES	
RA 360i SERIES	
CA 320 SERIES	
CA 320i SERIES	

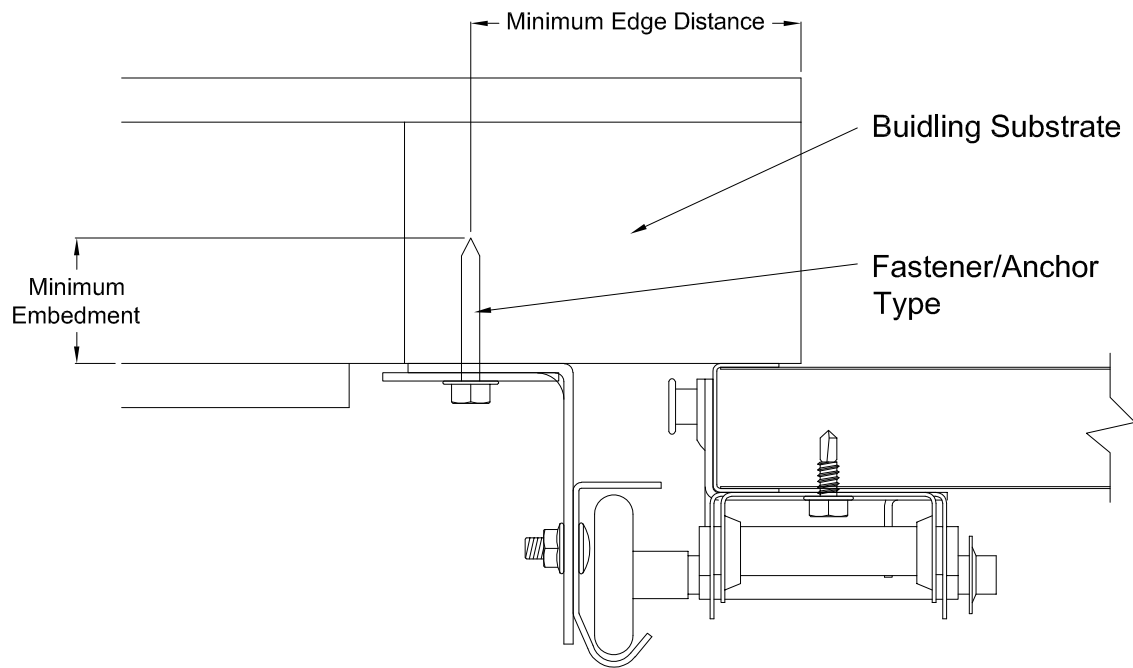


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 A Nofziger Company		DESCRIPTION: 16' 2" EXTRUDED ALUMINUM SERIES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +21.8/-24.3 PSF	
DRAWING NO.: WL-C300-0194-08-22-24		REV.: G	
DRAWN BY: MVS		DATE DRAWN: 7/11/16	REV. DATE: 10/1/25
MODEL(S): See Sheet 3		SHEET: 3 OF 4	

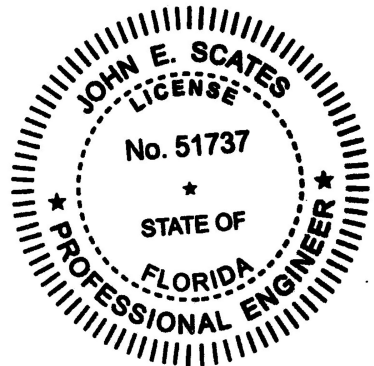
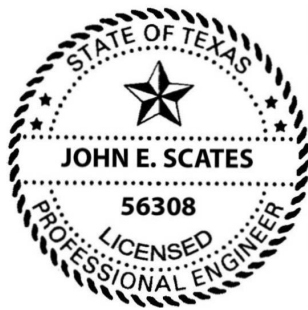


Direct Mounting Detail

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.



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DESCRIPTION:
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WIND LOAD SECTIONAL DOOR
DESIGN PRESSURE +21.8/-24.3 PSF

DRAWING NO.: WL-C300-0194-08-22-24 **REV.** G

DRAWN BY: MVS **DATE DRAWN:** 7/11/16 **REV. DATE:** 10/1/25

MODEL(S): See Sheet 3 **SHEET: 4 OF 4**

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