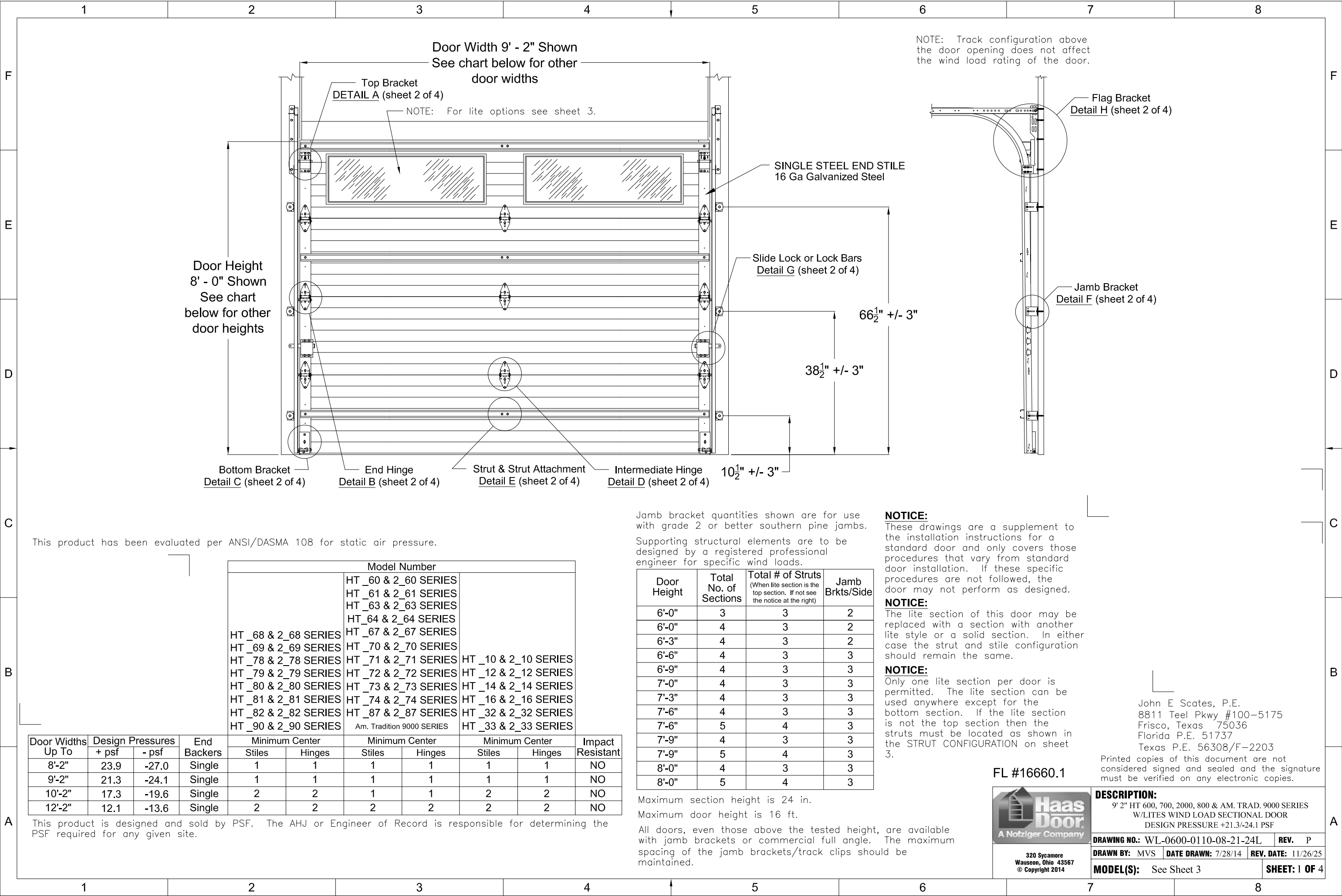




This product has been evaluated per ANSI/DASMA 108 for static air pressure.

				Model Number							
				HT _60 & 2_60 SERIES HT _61 & 2_61 SERIES HT _63 & 2_63 SERIES HT _64 & 2_64 SERIES HT _67 & 2_67 SERIES HT _68 & 2_68 SERIES HT _69 & 2_69 SERIES HT _70 & 2_70 SERIES HT _71 & 2_71 SERIES HT _72 & 2_72 SERIES HT _73 & 2_73 SERIES HT _74 & 2_74 SERIES HT _77 & 2_77 SERIES HT _78 & 2_78 SERIES HT _79 & 2_79 SERIES HT _80 & 2_80 SERIES HT _81 & 2_81 SERIES HT _82 & 2_82 SERIES HT _87 & 2_87 SERIES HT _90 & 2_90 SERIES							
				Am. Tradition 9000 SERIES		HT _10 & 2_10 SERIES HT _12 & 2_12 SERIES HT _14 & 2_14 SERIES HT _16 & 2_16 SERIES HT _32 & 2_32 SERIES HT _33 & 2_33 SERIES					
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"	23.9	-27.0	Single	1	1	1	1	1	1	NO	
9'-2"	21.3	-24.1	Single	1	1	1	1	1	1	NO	
10'-2"	17.3	-19.6	Single	2	2	1	1	2	2	NO	
12'-2"	12.1	-13.6	Single	2	2	2	2	2	2	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.

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 No. of Sections	Total # of Struts (When lite section is the top section. If not see the notice at the right)	Jamb Brkts/Side
6'-0"	3	3	2
6'-0"	4	3	2
6'-3"	4	3	2
6'-6"	4	3	3
6'-9"	4	3	3
7'-0"	4	3	3
7'-3"	4	3	3
7'-6"	4	3	3
7'-6"	5	4	3
7'-9"	4	3	3
7'-9"	5	4	3
8'-0"	4	3	3
8'-0"	5	4	3

Maximum section height is 24 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.

NOTICE:
The lite section of this door may be replaced with a section with another lite style or a solid section. In either case the strut and stile configuration should remain the same.

NOTICE:
Only one lite section per door is permitted. The lite section can be used anywhere except for the bottom section. If the lite section is not the top section then the struts must be located as shown in the STRUT CONFIGURATION on sheet 3.

FL #16660.1

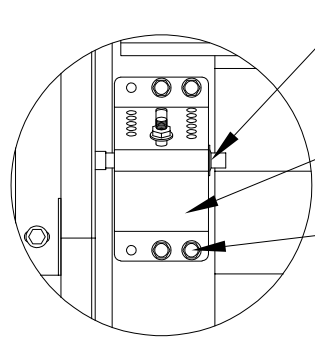
Haas Door
A Notzger Company

320 Sycamore
Wauseon, Ohio 43567
© Copyright 2014

DESCRIPTION: 9' 2" HT 600, 700, 2000, 800 & AM. TRAD. 9000 SERIES W/LITES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +21.3/-24.1 PSF			
DRAWING NO.: WL-0600-0110-08-21-24L		REV. P	
DRAWN BY: MVS	DATE DRAWN: 7/28/14	REV. DATE: 11/26/25	
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.

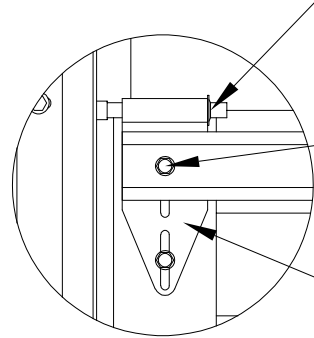


PUSH NUT
7/16"
See DETAIL K for push nut
placement.

ADJUSTABLE TOP FIXTURE
12 Ga

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

DETAIL A

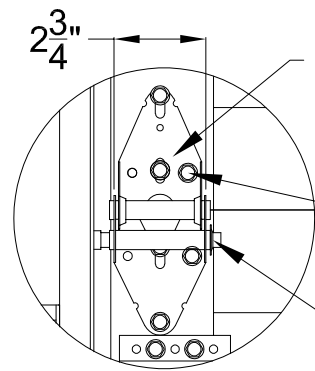


PUSH NUT
7/16"
See DETAIL K for push nut
placement.

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

LOW HEADROOM TOP
BRACKET

**LOW HEADROOM
TOP BRACKET**

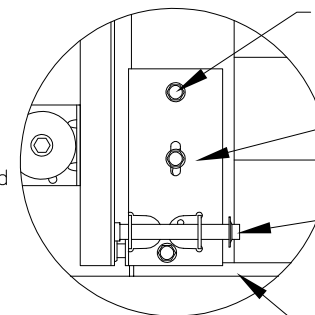


END HINGE
14 Ga Minimum Galvanized Steel

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



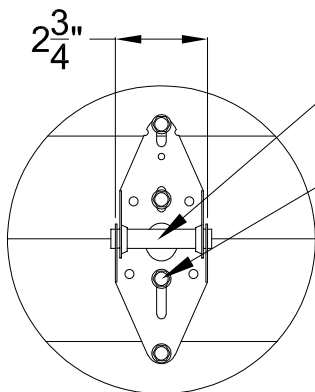
TEK SCREW
1/4" X 3/4" Hex Washer Head
Self Drilling (3 per Bottom Bracket)

BOTTOM BRACKET
13 Ga Galvanized Steel

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

BOTTOM SEAL

DETAIL C

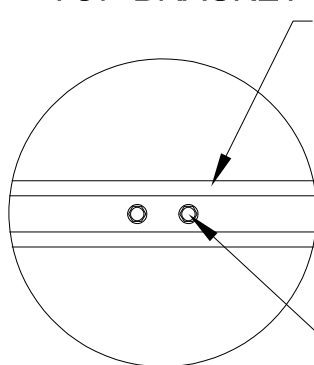


INTERMEDIATE HINGE
18 Ga Minimum Galvanized Steel

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.



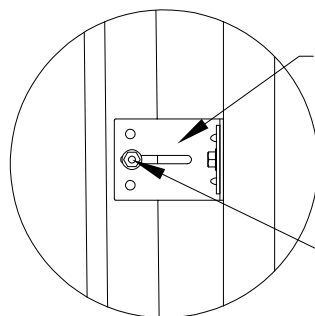
2" x 2" E STRUT
20 Ga 33 KSI Minimum
Galvanized Steel

2"

2"

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

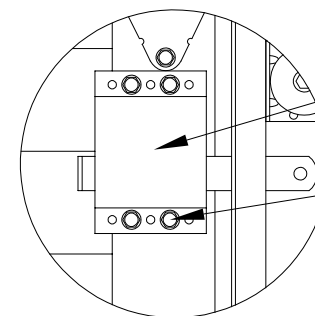
DETAIL E



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)

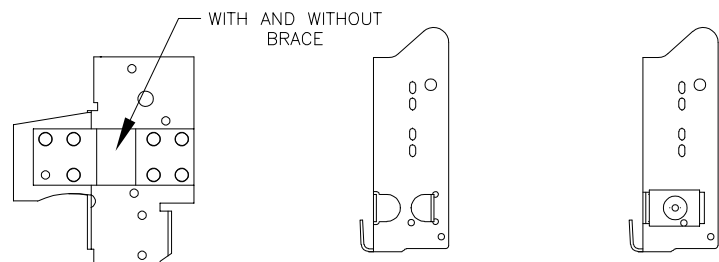
DETAIL F



SLIDE LOCK or LOCK BARS

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

DETAIL G



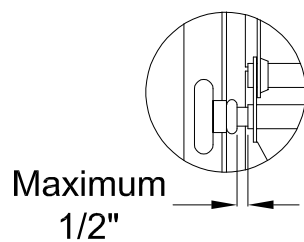
RESIDENTIAL & LIGHT
COMMERCIAL
For Low Headroom
With 2" Track and
Single End Stiles

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

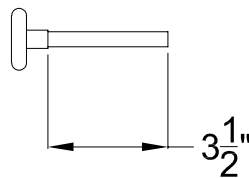
NOTE: The bottom bracket tested (shown in DETAIL C) is the lightest bracket available.



Maximum
1/2"

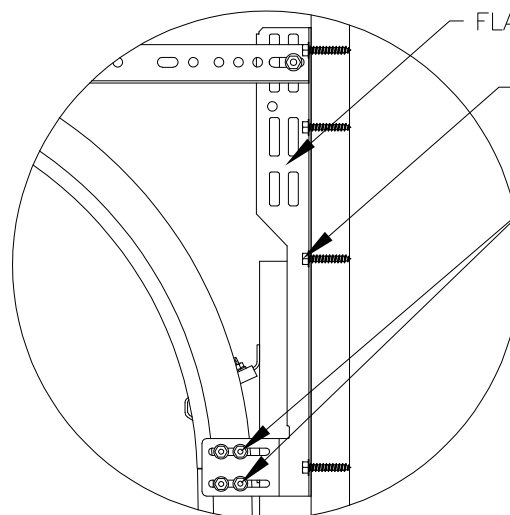
DETAIL K

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.



ROLLER

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

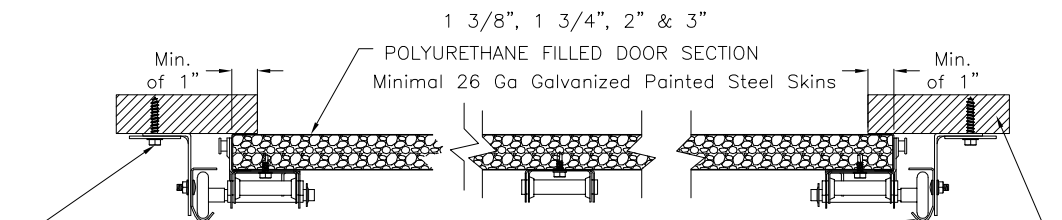


FLAG BRACKET

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



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
jamb to the structure.

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

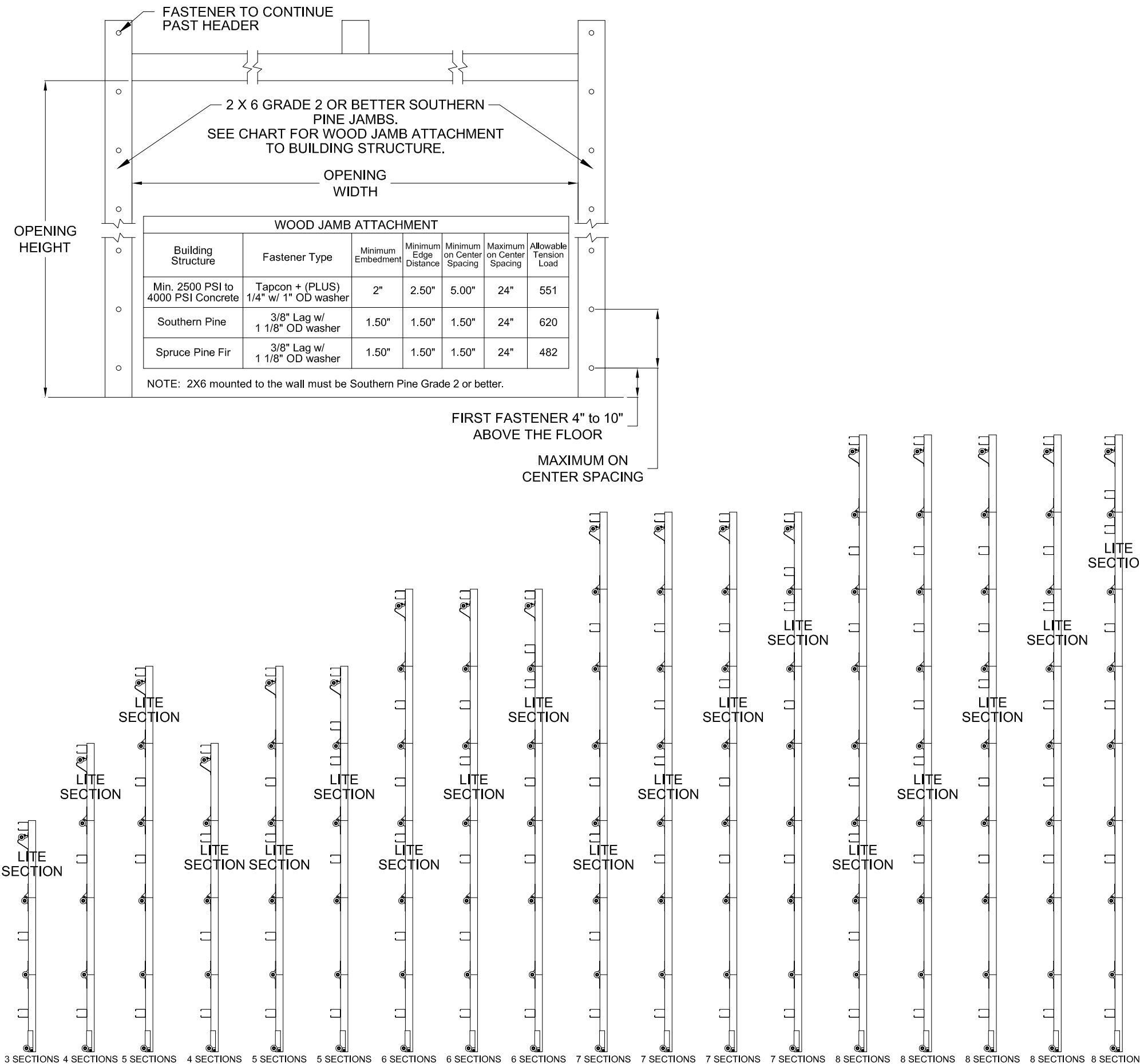
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

FL #16660.1



320 Sycamore
Wauseon, Ohio 43567
© Copyright 2014

DESCRIPTION: 9' 2" HT 600, 700, 2000, 800 & AM. TRAD. 9000 SERIES W/LITES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +21.3/-24.1 PSF			
DRAWING NO.: WL-0600-0110-08-21-24L	REV. P		
DRAWN BY: MVS	DATE DRAWN: 7/28/14	REV. DATE: 11/26/25	
MODEL(S): See Sheet 3			SHEET: 2 OF 4

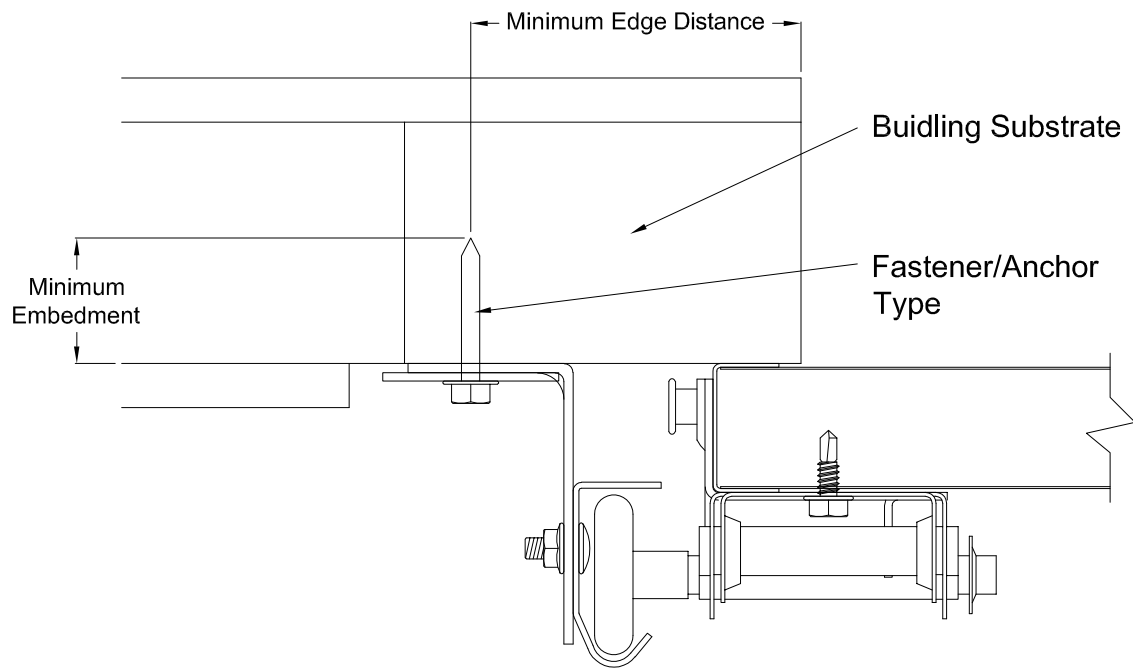


NOTE: GLASS OPTIONS ARE AVAILABLE IN DSB MINIMUM, ACRYLIC, POLYCARBONATE, TEMPERED AND INSULATED GLASS UNITS.

The American Tradition lite option is available in tempered or insulated glass units only.

FL #16660.1

	DESCRIPTION: 9' 2" HT 600, 700, 2000, 800 & AM. TRAD. 9000 SERIES W/LITES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +21.3/-24.1 PSF		
	DRAWING NO.: WL-0600-0110-08-21-24L		REV. P
	DRAWN BY: MVS	DATE DRAWN: 7/28/14	REV. DATE: 11/26/25
	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.

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 #16660.1



320 Sycamore
Wauseon, Ohio 43567
© Copyright 2014

DESCRIPTION:
9' 2" HT 600, 700, 2000, 800 & AM. TRAD. 9000 SERIES
W/LITES WIND LOAD SECTIONAL DOOR
DESIGN PRESSURE +21.3/-24.1 PSF

DRAWING NO.: WL-0600-0110-08-21-24L	REV. P	
DRAWN BY: MVS	DATE DRAWN: 7/28/14	REV. DATE: 11/26/25
MODEL(S): See Sheet 3		SHEET: 4 OF 4