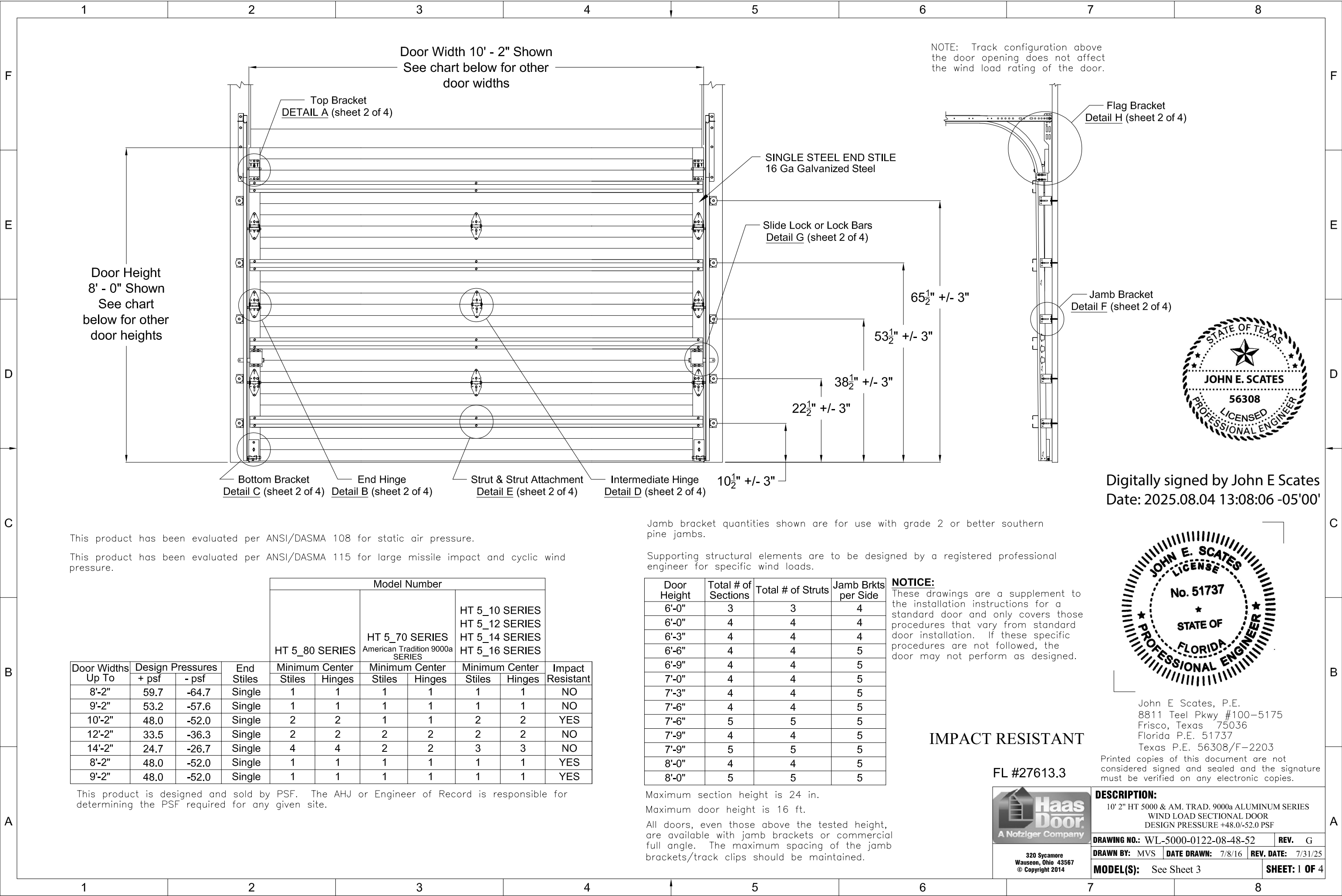




This product has been evaluated per ANSI/DASMA 108 for static air pressure.

This product has been evaluated per ANSI/DASMA 115 for large missile impact and cyclic wind pressure.

				Model Number						
				HT 5_80 SERIES		HT 5_70 SERIES American Tradition 9000a SERIES		HT 5_10 SERIES HT 5_12 SERIES HT 5_14 SERIES HT 5_16 SERIES		
Door Widths Up To	Design Pressures		End Stiles	Minimum Center		Minimum Center		Minimum Center		Impact Resistant
	+ psf	- psf		Stiles	Hinges	Stiles	Hinges	Stiles	Hinges	
8'-2"	59.7	-64.7	Single	1	1	1	1	1	1	NO
9'-2"	53.2	-57.6	Single	1	1	1	1	1	1	NO
10'-2"	48.0	-52.0	Single	2	2	1	1	2	2	YES
12'-2"	33.5	-36.3	Single	2	2	2	2	2	2	NO
14'-2"	24.7	-26.7	Single	4	4	2	2	3	3	NO
8'-2"	48.0	-52.0	Single	1	1	1	1	1	1	YES
9'-2"	48.0	-52.0	Single	1	1	1	1	1	1	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.

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.

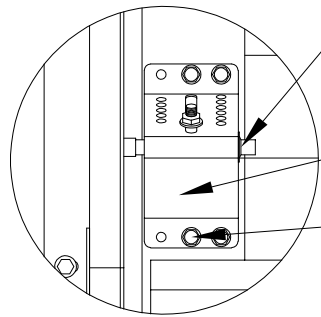
Door Height	Total # of Sections	Total # of Struts	Jamb Brkts per Side
6'-0"	3	3	4
6'-0"	4	4	4
6'-3"	4	4	4
6'-6"	4	4	5
6'-9"	4	4	5
7'-0"	4	4	5
7'-3"	4	4	5
7'-6"	4	4	5
7'-6"	5	5	5
7'-9"	4	4	5
7'-9"	5	5	5
8'-0"	4	4	5
8'-0"	5	5	5

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.

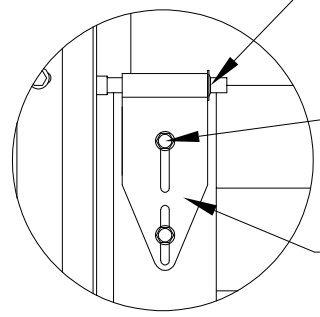


PUSH NUT
7/16"
See DETAIL K for push nut placement.

ADJUSTABLE TOP FIXTURE
12 Ga

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

DETAIL A

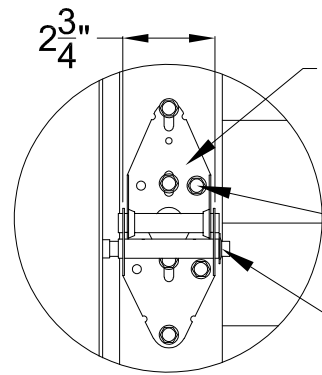


PUSH NUT
7/16"
See DETAIL K for push nut placement.

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

LOW HEADROOM TOP
BRACKET - 12 Ga

**LOW HEADROOM
TOP BRACKET**

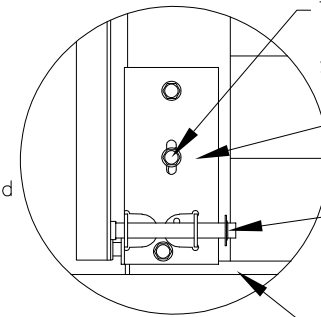


END HINGE
14 Ga Minimum Galvanized Steel

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



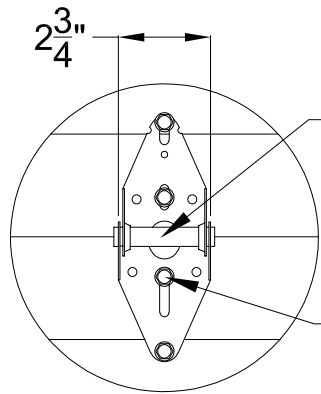
TEK SCREW
1/4" X 3/4" Hex Washer Head
Self Drilling (3 per Bottom Bracket)

BOTTOM BRACKET
13 Ga Galvanized Steel

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

BOTTOM SEAL

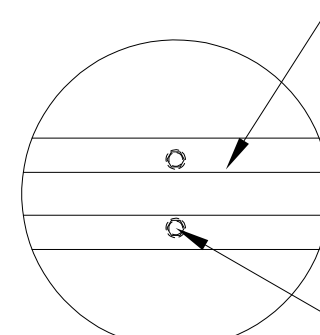
DETAIL C



INTERMEDIATE HINGE
18 Ga Minimum Galvanized Steel

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

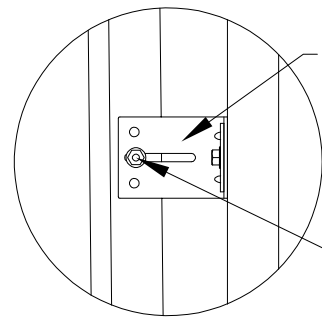
DETAIL D



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

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

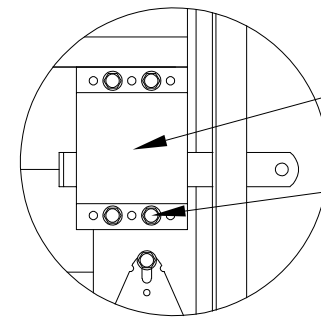
DETAIL E



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)

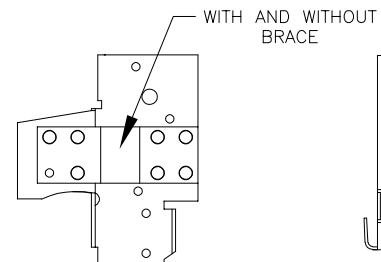
DETAIL F



SLIDE LOCK or LOCK BARS

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

DETAIL G



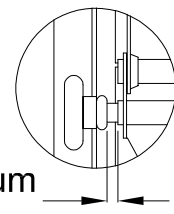
RESIDENTIAL & LIGHT
COMMERCIAL
For Low Headroom
With 2" Track and
Single End Stiles

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

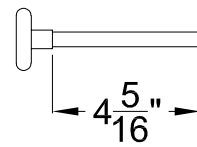
NOTE: The bottom bracket tested (shown in DETAIL C) is the lightest bracket available.



Maximum
1/2"

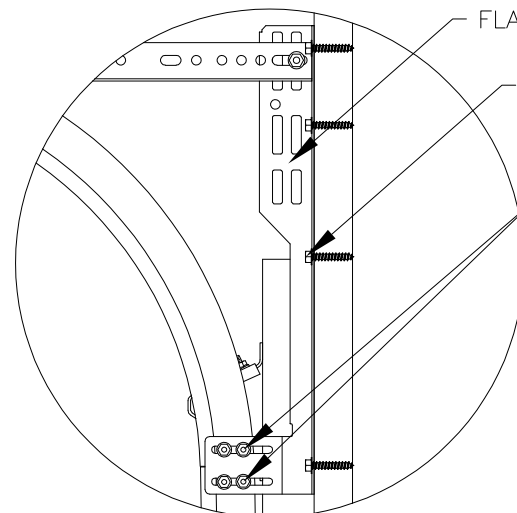
DETAIL K

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)

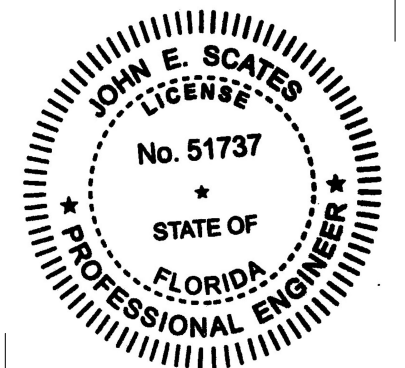
DETAIL H

IMPACT RESISTANT

FL #27613.3

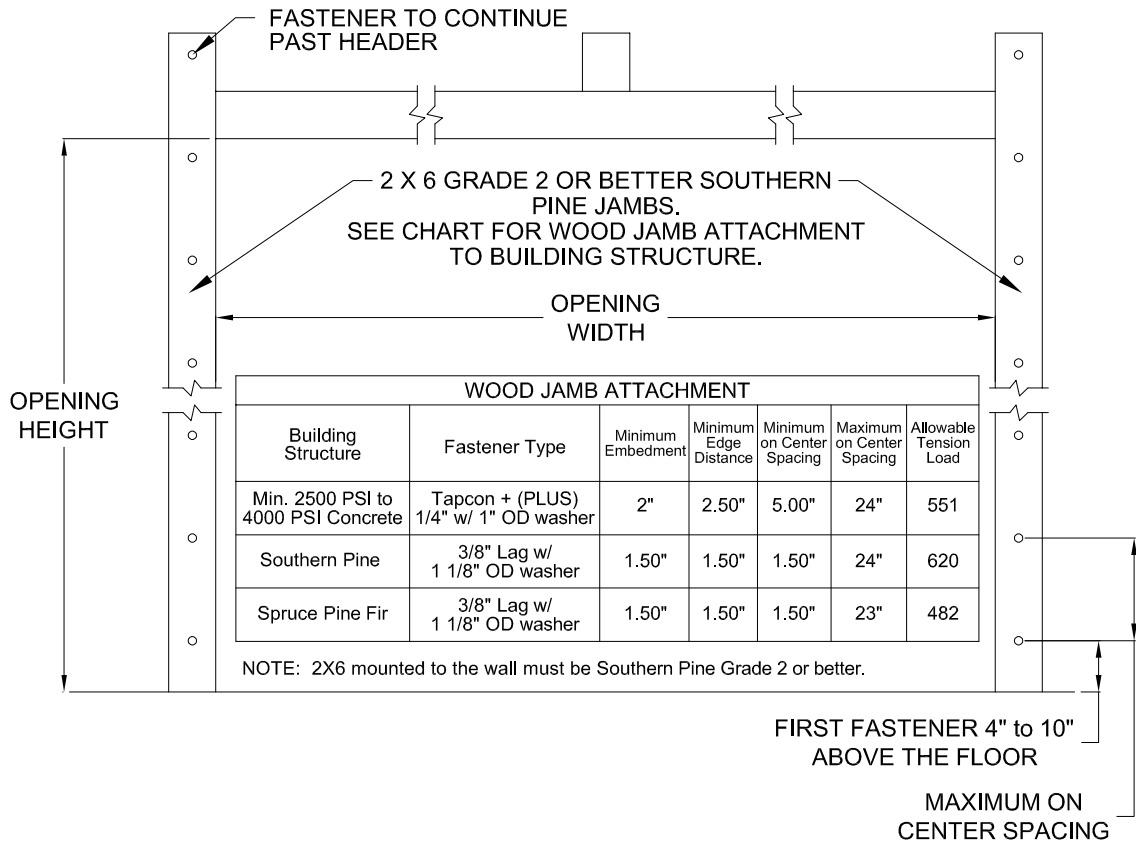


DESCRIPTION: 10' 2" HT 5000 & AM. TRAD. 9000a ALUMINUM SERIES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +48.0/-52.0 PSF			
DRAWING NO.: WL-5000-0122-08-48-52	REV. G		
DRAWN BY: MVS	DATE DRAWN: 7/8/16	REV. DATE: 7/31/25	
MODEL(S): See Sheet 3			SHEET: 2 OF 4



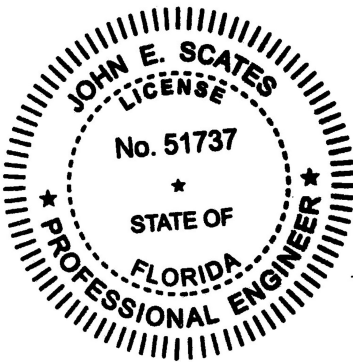
John E. Scates, P.E.
8811 Teel Pkwy #100-5175
Frisco, Texas 75036
Florida P.E. 51737
Texas P.E. 56308/F-2203

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MODEL NUMBERS

MODEL NUMBERS AVAILABLE
HT 5 _10 SERIES
HT 5 _12 SERIES
HT 5 _14 SERIES
HT 5 _16 SERIES
HT 5 _70 SERIES
HT5 _80 SERIES
American Tradition 9000a Series



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

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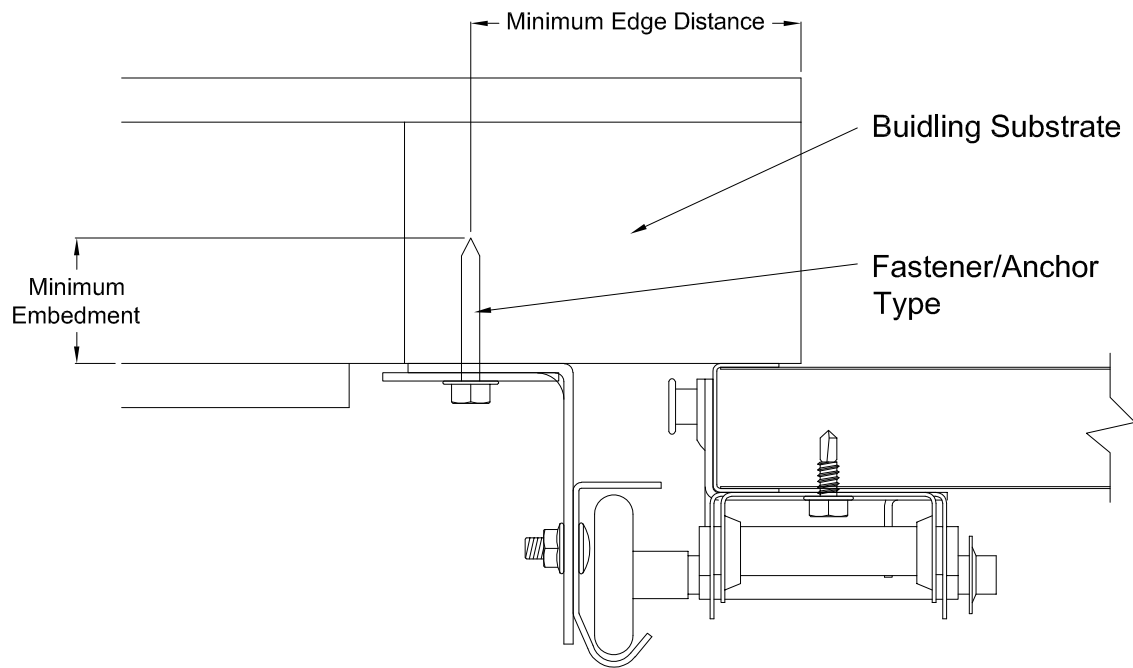
IMPACT RESISTANT

FL #27613.3



320 Sycamore
Wauseon, Ohio 43567
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DESCRIPTION: 10' 2" HT 5000 & AM. TRAD. 9000a ALUMINUM SERIES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +48.0/-52.0 PSF		
DRAWING NO.: WL-5000-0122-08-48-52	REV. G	
DRAWN BY: MVS	DATE DRAWN: 7/8/16	REV. DATE: 7/31/25
MODEL(S): See Sheet 3		SHEET: 3 OF 4

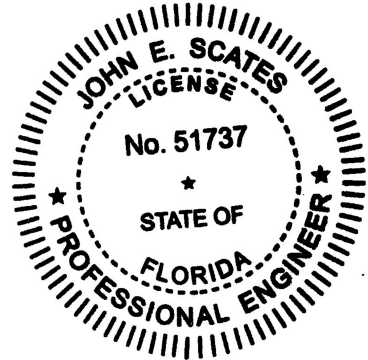


Direct Mounting Detail

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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Frisco, Texas 75036
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IMPACT RESISTANT

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 320 Sycamore Wauseon, Ohio 43567 © Copyright 2014	DESCRIPTION: 10' 2" HT 5000 & AM. TRAD. 9000a ALUMINUM SERIES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +48.0/-52.0 PSF		
	DRAWING NO.: WL-5000-0122-08-48-52	REV. G	
	DRAWN BY: MVS	DATE DRAWN: 7/8/16	REV. DATE: 7/31/25
	MODEL(S): See Sheet 3		SHEET: 4 OF 4