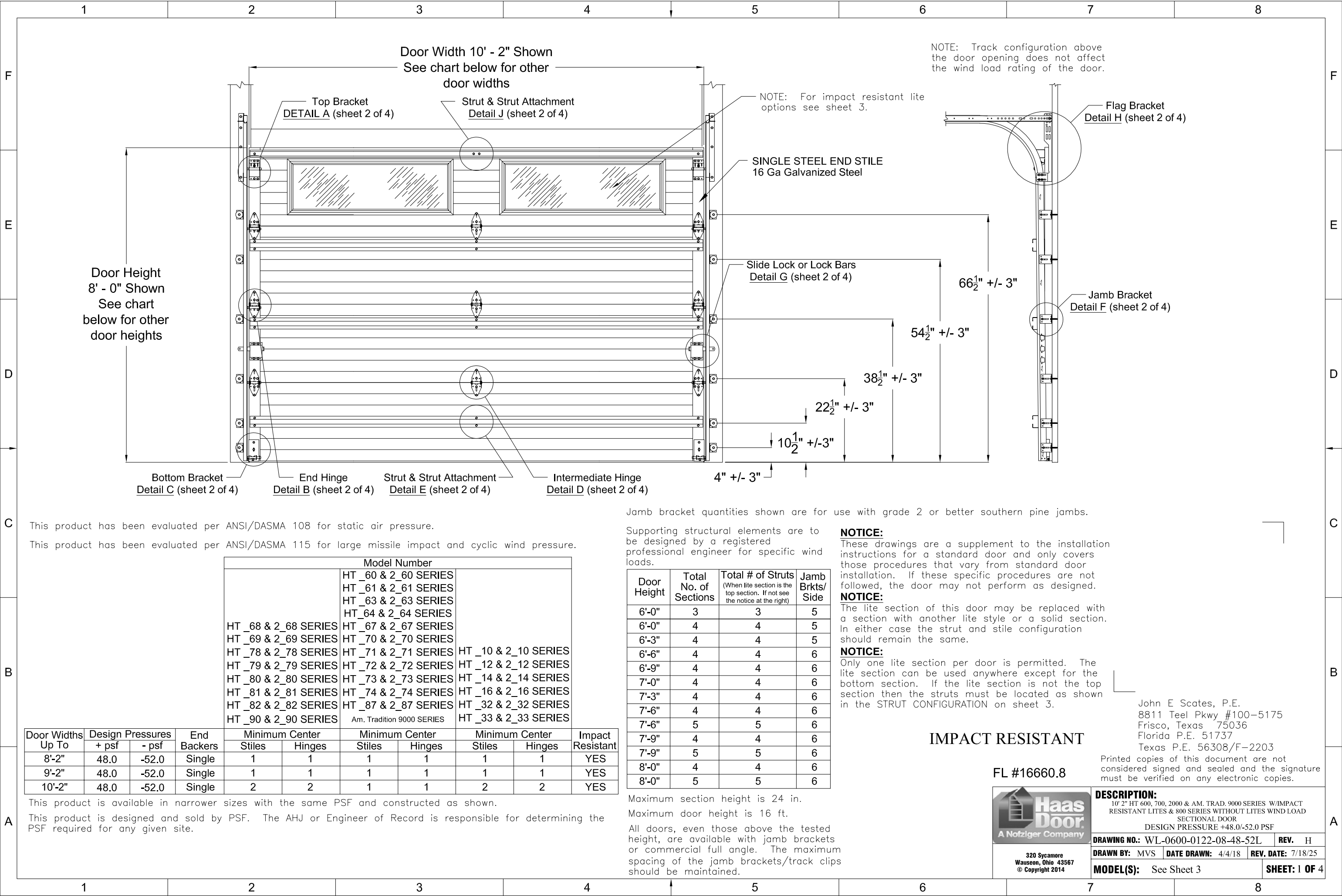




This product has been evaluated per ANSI/DASMA 108 for static air pressure.

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

Model Number										
Door Widths Up To	Design Pressures + psf - psf	End Backers	Minimum Center		Minimum Center		Minimum Center		Impact Resistant	
			Stiles	Hinges	Stiles	Hinges	Stiles	Hinges		
			1	1	1	1	1	1		
			1	1	1	1	1	1		
			1	1	1	1	1	1		
			1	1	1	1	1	1		
			1	1	1	1	1	1		
			1	1	1	1	1	1		
			1	1	1	1	1	1		
			1	1	1	1	1	1		
8'-2"	48.0	-52.0	Single						YES	
9'-2"	48.0	-52.0	Single						YES	
10'-2"	48.0	-52.0	Single						YES	

This product is available in narrower sizes with the same PSF and constructed as shown.

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	5
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'-3"	4	4	6
7'-6"	4	4	6
7'-6"	5	5	6
7'-9"	4	4	6
7'-9"	5	5	6
8'-0"	4	4	6
8'-0"	5	5	6

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.

IMPACT RESISTANT

FL #16660.8



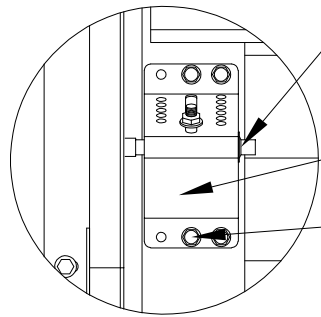
320 Sycamore
Wauseon, Ohio 43567
© Copyright 2014

DESCRIPTION:
10' 2" HT 600, 700, 2000 & AM. TRAD. 9000 SERIES W/IMPACT RESISTANT LITES & 800 SERIES WITHOUT LITES WIND LOAD SECTIONAL DOOR
DESIGN PRESSURE +48.0/-52.0 PSF

DRAWING NO.: WL-0600-0122-08-48-52L	REV. H	
DRAWN BY: MVS	DATE DRAWN: 4/4/18	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.

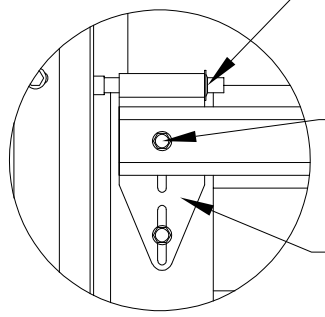


PUSH NUT
7/16"
See DETAIL K for push nut placement.

ADJUSTABLE TOP FIXTURE
12 Ga

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

DETAIL A

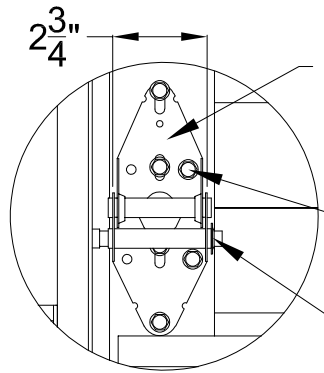


PUSH NUT
7/16"
See DETAIL K for push nut placement.

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

LOW HEADROOM TOP BRACKET

LOW HEADROOM TOP BRACKET

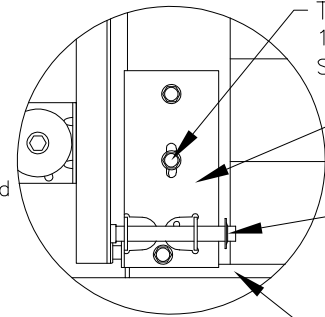


END HINGE
14 Ga Minimum Galvanized Steel

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



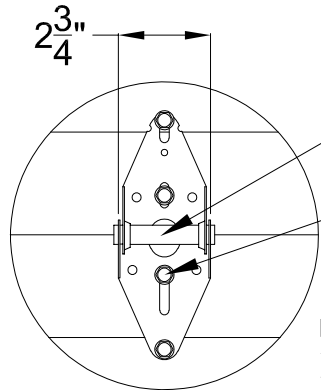
TEK SCREW
1/4" X 3/4" Hex Washer Head
Self Drilling (3 per Bottom Bracket)

BOTTOM BRACKET
13 Ga Galvanized Steel

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

BOTTOM SEAL

DETAIL C

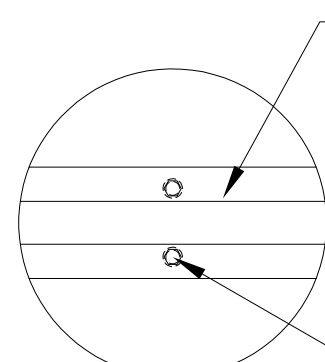


INTERMEDIATE HINGE
18 Ga Minimum Galvanized Steel

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

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

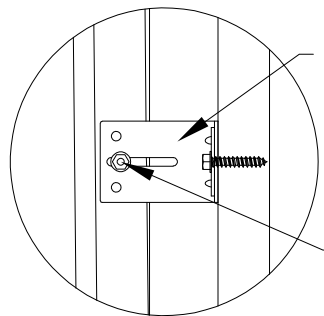
DETAIL D



3 1/4" x 3 1/4" E STRUT
18 Ga 50 KSI Minimum Galvanized Steel

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

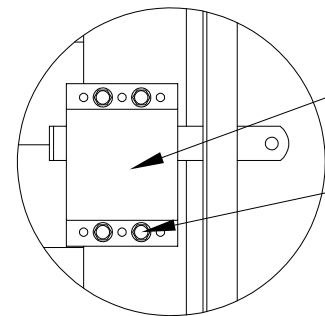
DETAIL E



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)

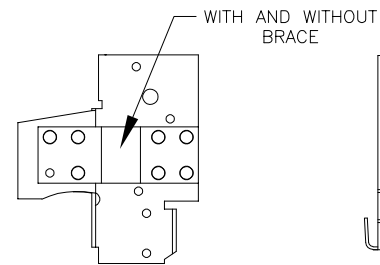
DETAIL F



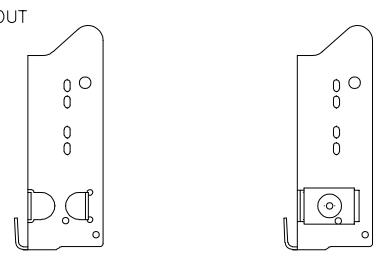
SLIDE LOCK or LOCK BARS

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

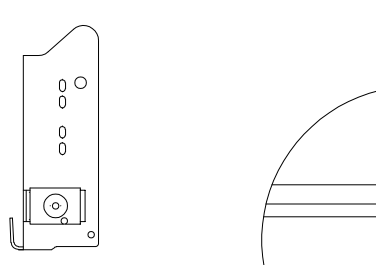
DETAIL G



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



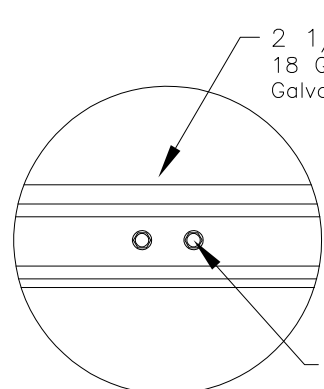
COMMERCIAL
For Standard, High & Vertical Lift With 2" Track and Single End Stiles



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

ALTERNATE BOTTOM BRACKETS

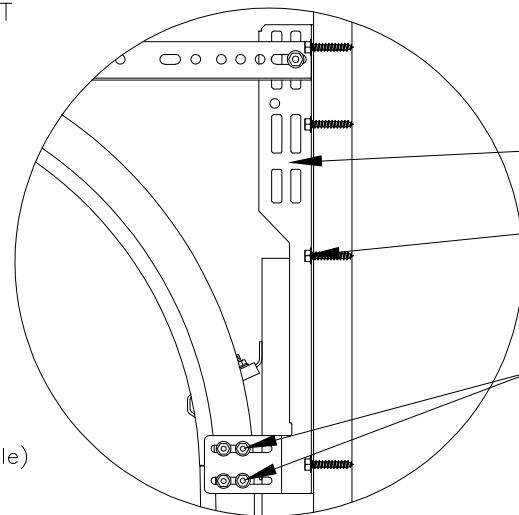
NOTE: The bottom bracket tested (shown in DETAIL C) is the lightest bracket available.



DETAIL J

2 1/4" x 2 3/4" E STRUT
18 Ga 70 KSI Minimum Galvanized Steel

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

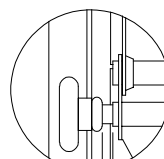


FLAG BRACKET

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)

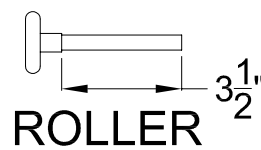
DETAIL H



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.



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

ROLLER

IMPACT RESISTANT

FL #16660.8



DESCRIPTION: 10' 2" HT 600, 700, 2000 & AM. TRAD. 9000 SERIES W/IMPACT RESISTANT LITES & 800 SERIES WITHOUT LITES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +48.0/-52.0 PSF			
DRAWING NO.: WL-0600-0122-08-48-52L	REV. H		
DRAWN BY: MVS	DATE DRAWN: 4/4/18	REV. DATE: 7/18/25	
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

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

MODEL NUMBERS AND IMPACT LITE OPTIONS

MODEL NUMBERS AVAILABLE	LITE OPTIONS AVAILABLE					
	CARRIAGE HOUSE	RANCH	STANDARD	SLIMLINE	AMERICAN TRADITION	
HT_14 & 2_14 SERIES	X	X	X			
HT_16 & 2_16 SERIES	X	X	X			
HT_32 & 2_32 SERIES	X	X	X			
HT_33 & 2_33 SERIES	X	X	X			
HT_10 & 2_10SERIES	X	X	X	X		
HT_12 & 2_12 SERIES	X	X	X	X		
HT_60 & 2_60 SERIES	X					
HT_61 & 2_61 SERIES	X					
HT_63 & 2_63 SERIES	X					
HT_64 & 2_64 SERIES	X					
HT_67 & 2_67 SERIES	X					
HT_68 & 2_68 SERIES	X					
HT_69 & 2_69 SERIES	X					
HT_70 & 2_70 SERIES		X				
HT_71 & 2_71 SERIES		X				
HT_72 & 2_72 SERIES		X				
HT_73 & 2_73 SERIES		X				
HT_74 & 2_74 SERIES		X				
HT_78 & 2_78 SERIES		X				
HT_79 & 2_79 SERIES		X				
HT_80 & 2_80 SERIES			X			
HT_81 & 2_81 SERIES			X			
HT_82 & 2_82 SERIES			X			
HT_87 & 2_87 SERIES			X			
HT_90 & 2_90 SERIES			X			
American Tradition 9000 SERIES					X	
	38 1/2" x 12 1/2"	38 1/2" x 10 1/2"	17 1/2" x 10 1/2"	38" x 4"	39 3/4 - 49 3/4" x 15 1/4"	
DAY LIGHT OPENING (DLO) - WIDE x TALL						

NOTE: ALL LITES CONSIST OF INSIDE AND OUTSIDE ALUMINUM FRAMES AND A POLYCARBONATE INSERT WITH MACHINED GROOVES.

NOTE: IMPACT LITES NOT AVAILABLE IN 800 SERIES DOORS.

IMPACT RESISTANT

FL #16660.8



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.

DESCRIPTION: 10' 2" HT 600, 700, 2000 & AM. TRAD. 9000 SERIES W/IMPACT RESISTANT LITES & 800 SERIES WITHOUT LITES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +48.0/-52.0 PSF			
DRAWING NO.: WL-0600-0122-08-48-52L	REV. H		
DRAWN BY: MVS	DATE DRAWN: 4/4/18	REV. DATE: 7/18/25	
MODEL(S): See Sheet 3			SHEET: 3 OF 4

FASTENER TO CONTINUE PAST HEADER

2 X 6 GRADE 2 OR BETTER SOUTHERN PINE JAMBS.
SEE CHART FOR WOOD JAMB ATTACHMENT TO BUILDING STRUCTURE.

OPENING WIDTH

OPENING HEIGHT

WOOD JAMB ATTACHMENT						
Building Structure	Fastener Type	Minimum Embedment	Minimum Edge Distance	Minimum on Center Spacing	Maximum on Center Spacing	Allowable Tension Load
Min. 2500 PSI to 4000 PSI Concrete	Tapcon + (PLUS) 1/4" w/ 1" OD washer	2"	2.50"	5.00"	24"	551
Southern Pine	3/8" Lag w/ 1 1/8" OD washer	1.50"	1.50"	1.50"	24"	620
Spruce Pine Fir	3/8" Lag w/ 1 1/8" OD washer	1.50"	1.50"	1.50"	23"	482

NOTE: 2X6 mounted to the wall must be Southern Pine Grade 2 or better.

FIRST FASTENER 4" to 10" ABOVE THE FLOOR

MAXIMUM ON CENTER SPACING

NOTE: A 1/4" hole will have to be drilled half way between the two slots in the strut for the hinge screw. A screw should be used in all holes/slots.



2-1/4" x 2-3/4" STRUT

2-1/4" x 2-3/4" STRUT

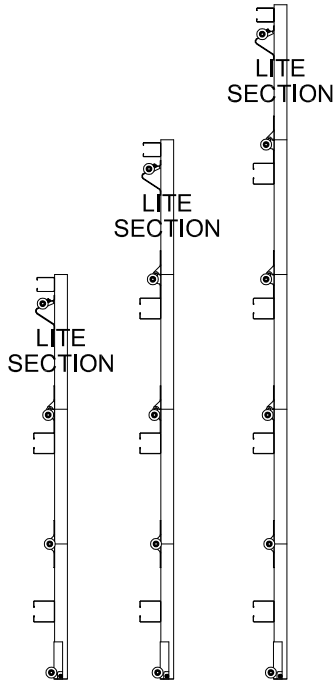
2-1/4" x 2-3/4" STRUT

3-1/4" x 3-1/4" STRUT

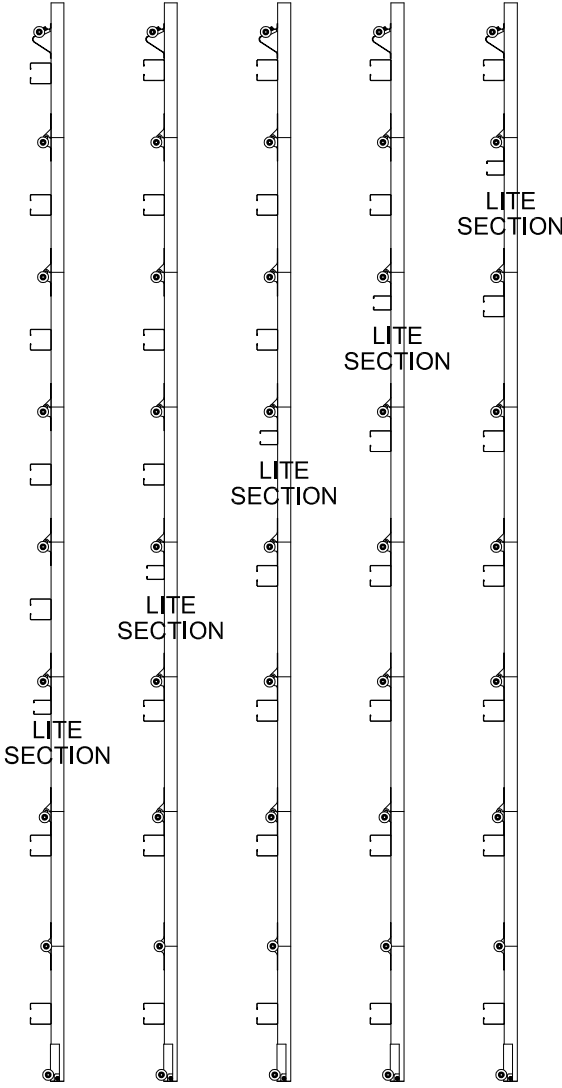
3-1/4" x 3-1/4" STRUT

AMERICAN TRADITION DOUBLE LITE STRUT CONFIGURATION

NOTE: The lite sections must be the top two for double American Tradition doors.

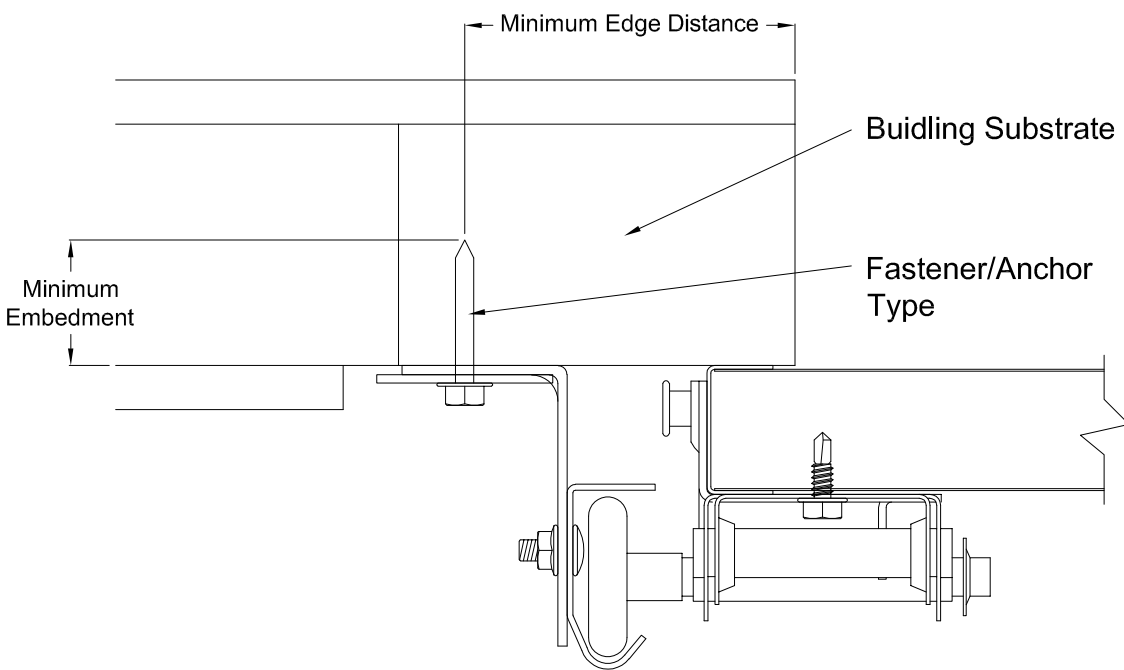


3 SECTIONS 4 SECTIONS 5 SECTIONS
WITH LITE SECTION AT TOP



4 SECTIONS 5 SECTIONS 6 SECTIONS 7 SECTIONS 8 SECTIONS
6 SECTIONS 7 SECTIONS 8 SECTIONS
7 SECTIONS 8 SECTIONS
8 SECTIONS
WITH LITE SECTION ANYWHERE EXCEPT THE TOP AND BOTTOM SECTION

STRUT CONFIGURATION



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 #16660.8



DESCRIPTION:
10' 2" HT 600, 700, 2000 & AM. TRAD. 9000 SERIES W/IMPACT RESISTANT LITES & 800 SERIES WITHOUT LITES WIND LOAD SECTIONAL DOOR
DESIGN PRESSURE +48.0/-52.0 PSF

DRAWING NO.: WL-0600-0122-08-48-52L **REV.** H

DRAWN BY: MVS **DATE DRAWN:** 4/4/18 **REV. DATE:** 7/18/25

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

320 Sycamore
Wauseon, Ohio 43567
© Copyright 2014

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.