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REV.

ZONE

BY

DESCRIPTION

DATE

A

MVS

SEE DRAWING LOG SHEET FOR CHANGES

6/16/15

B

MVS

SEE DRAWING LOG SHEET FOR CHANGES

8/9/16

C

MVS

SEE DRAWING LOG SHEET FOR CHANGES

9/11/17

D

MVS

SEE DRAWING LOG SHEET FOR CHANGES

7/23/19

E

MVS

SEE DRAWING LOG SHEET FOR CHANGES

8/25/20

F

MVS

SEE DRAWING LOG SHEET FOR CHANGES

10/7/21

G

MVS

SEE DRAWING LOG SHEET FOR CHANGES

8/24/23

H

MVS

SEE DRAWING LOG SHEET FOR CHANGES

1/20/25

1

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Door Widths
Up To

Design Pressures
+ psf - psf

End
Stiles

Minimum Center
Stiles Hinges

Minimum Center
Stiles Hinges

Minimum Center
Stiles Hinges

Impact
Resistant

4'-0" thru 4'-11"

65.0 -73.5

Single

1 0

YES

5'-0" thru 5'-11"

65.0 -73.5

Single

1 1

YES

6'-0" thru 7'-11"

65.0 -73.5

Single

2 2

YES

8'-0" thru 9'-2"

65.0 -73.5

Single

3 1

YES

4'-0" thru 5'-11"

65.0 -73.5

Single

1 0

YES

6'-0" thru 7'-6"

65.0 -73.5

Single

1 1

YES

7'-7" thru 9'-2"

65.0 -73.5

Single

3 1

YES

4'-0" thru 4'-11"

65.0 -73.5

Single

1 0

YES

5'-0" thru 5'-11"

65.0 -73.5

Single

1 1

YES

6'-0" thru 9'-2"

65.0 -73.5

Single

3 1

YES

Door Height
8' - 0" Tested
See chart
below for other
door heights

Maximum Door Width 9' - 2"

Top Bracket
DETAIL A (sheet 2 of 4)

Bottom Bracket
Detail C (sheet 2 of 4)

End Hinge
Detail B (sheet 2 of 4)

Strut & Strut Attachment
Detail E (sheet 2 of 4)

Intermediate Hinge
Detail D (sheet 2 of 4)

4" +/- 3"

10½" +/- 3"

22½" +/- 3"

38½" +/- 3"

54½" +/- 3"

66½" +/- 3"

Single Steel End Stile
16 Ga Galvanized Steel

Slide Lock Shown Detail G or
Lock Bars Detail J (sheet 2 of 4)

Flag Bracket
Detail H (sheet 2 of 4)

Jamb Bracket
Detail F (sheet 2 of 4)

NOTE: Track configuration above
the door opening does not affect
the wind load rating of the door.

Door Height

Total No. of Sections

Total # of Struts

Strut Configuration

Jamb Brkts/ Side

6'-0"

3

3

SEE
SHEET 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

IMPACT RESISTANT

FL #17430.4

Haas Door

A Nofziger Company

320 Sycamore
Wauseon, Ohio 43567
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DESCRIPTION:

9' 2" HT 5000 ALUMINUM SERIES
WIND LOAD SECTIONAL DOOR
DESIGN PRESSURE +65.0/-73.5 PSF

DRAWING NO.:

WL-5000-0110-08-65-74HVHZ

REV.

H

DRAWN BY:

MVS

DATE DRAWN:

2/6/15

REV. DATE:

1/20/25

MODEL(S):

See Sheet 3

SHEET: 1 OF 4

John E Scates, P.E.
8811 Teel Pkwy Ste 100 #5175
Frisco, Texas 75036
Florida P.E. # 51737

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

This product has been evaluated for use in
the High Velocity Hurricane Zone (HVHZ).

Digitally signed by John E Scates
Date: 2025.01.23 16:56:40 -06'00'

JOHN E. SCATES

LICENSE

No. 51737

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

This product has been tested per TAS202-94 for static air pressure.

This product has been tested per TAS201/203-94 for large missile impact and cyclic wind pressure.

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 element designs are to be the responsibility of the professional of record for the building or structure for the loads listed on this drawing.

Maximum section height is 24 in.

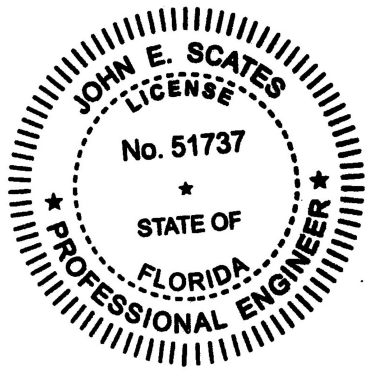
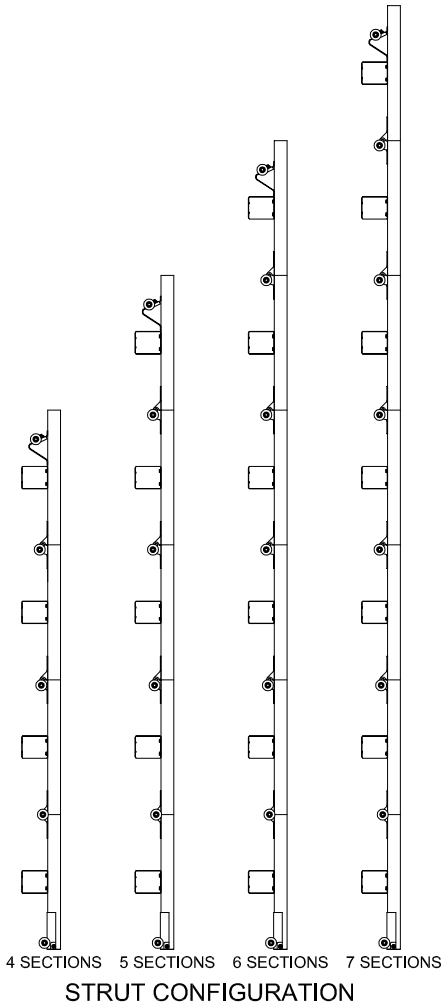
Maximum door height is 16 ft.

All doors, even those above the tested height, are available with jamb brackets or commercial full angle. The quantity and dimensional location of the jamb brackets/track clips and the jamb mounting shown above should be maintained.



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

REV IS I O N S				
REV.	ZONE	BY	DESCRIPTION	DATE
A		MVS	SEE DRAWING LOG SHEET FOR CHANGES	6/16/15
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IMPACT RESISTANT

FL #17430.4



320 Sycamore
Wauseon, Ohio 43567
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DESCRIPTION:		
9' 2" HT 5000 ALUMINUM SERIES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +65.0/-73.5 PSF		
DRAWING NO.:	WL-5000-0110-08-65-74HVHZ	REV. H
DRAWN BY: MVS	DATE DRAWN: 2/6/15	REV. DATE: 1/20/25
MODEL(S): See Sheet 3		SHEET: 3 OF 4

1

2

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REVISIONS				
REV.	ZONE	BY	DESCRIPTION	DATE
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H		MVS	SEE DRAWING LOG SHEET FOR CHANGES	1/20/25

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 #17430.4

	DESCRIPTION: 9' 2" HT 5000 ALUMINUM SERIES WIND LOAD SECTIONAL DOOR DESIGN PRESSURE +65.0/-73.5 PSF		
DRAWING NO.: WL-5000-0110-08-65-74HVHZ		REV. H	
DRAWN BY: MVS	DATE DRAWN: 2/6/15	REV. DATE: 1/20/25	
MODEL(S): See Sheet 3			SHEET: 4 OF 4