

NOTES:

1. IMPACT RESISTANT GLAZING OPTION - IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED IN ANY OR ALL SECTIONS. GLAZING SHALL BE 1/4" GROOVED POLYCARBONATE. ALUMINUM FRAMES ASSEMBLED WITH (16) SCREWS. MAXIMUM CLEAR OPENING OF 40" X 12-3/4", FASTENED WITH A MINIMUM #8 X 1" SMS: 5X ALONG THE HORIZONTAL AND 3X ALONG THE VERTICAL. SEE DETAIL E ON SHEET 2 FOR ASSEMBLY DETAILS.

2. NON-IMPACT RESISTANT GLAZING OPTION - 3/32" MINIMUM SSB ANNEALED GLAZING IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (14) #8x1" SCREWS WITH WASHERS (2X ALONG THE VERTICAL AND 5X ALONG THE HORIZONTAL) INSTALLED IN ANY OR ALL SECTIONS MEETS UNIFORM STATIC WIND PRESSURES SHOWN ON THIS DRAWING. MAXIMUM GLAZING DIMENSIONS SHALL BE 38.5" X 13" CLEAR OPENING. GLASS IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS. SEE DETAIL F ON SHEET 2 FOR ASSEMBLY DETAILS.

ALTERNATE OPTION- 1/2" INSULATED DSB ANNEALED GLAZING IN ALUMINUM EXTERIOR FRAME/PLASTIC MOLDED INTERIOR FRAME SCREWED TOGETHER WITH A MINIMUM OF (14) #8x1" SCREWS (2X ALONG THE HORIZONTAL AND 5X ALONG THE HORIZONTAL) INSTALLED IN ANY OR ALL SECTIONS MEETS UNIFORM STATIC WIND PRESSURES SHOWN ON THIS DRAWING. MAXIMUM GLAZING DIMENSIONS SHALL BE 39" X 5-1/6" CLEAR OPENING. GLASS IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS. SEE DETAIL G ON SHEET 2 FOR ASSEMBLY DETAILS.

3. MINIMUM 1" OVERLAP ON BOTH JAMBS REQUIRED TO MEET NEGATIVE DESIGN PRESSURES.

4. KEY LOCK, SLIDE LOCK, OR OPERATOR REQUIRED.

5. FACER STEEL TO HAVE A MINIMUM 27 GA THICKNESS AND BACKER STEEL TO HAVE A MINIMUM 29 GA THICKNESS.

6. THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

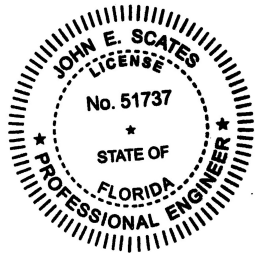
7. DOOR JAMB TO BE MINIMUM 2x6 SOUTHERN PINE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.

8. FOR LOW HEAD ROOM LIFT CONDITIONS, TOP BRACKET SHALL BE A 13 GA LHR 7/4 TOP BRACKET WITHOUT PUSHNUTS AND WITH A MINIMUM OF (3) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS IN LIEU OF THE BRACKET SHOWN ON THIS DRAWING. U-BAR ON TOP SECTION SHALL BE INSTALLED ON TOP OF LHR TOP BRACKETS.

9. COMPLIES WITH THE REQUIREMENTS OF IBC/IRC 2018.

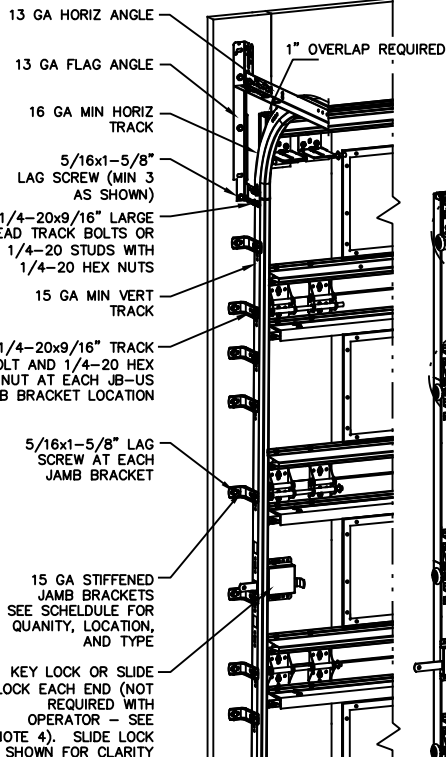
SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
17'-2"	ALL	+315.9/-357.1
18'-2"	ALL	+334.3/-377.9



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Digitally signed by John E. Scates, P.E.
Date: 2021.04.16 10:04:55 -05'00'



NOTE: (4) SECTION SOLID DOOR SHOWN. SEE NOTES 1 & 2 THIS SHEET FOR GLAZING OPTIONS.

JAMB BRACKET SCHEDULE

DOOR HEIGHT	NO. OF SECTIONS	NO. OF JAMB BRACKETS (EACH JAMB)	LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2")
6'-6"	4	9	2", 10", 16", 21-3/4", 29-3/4", 42", 48", 55", 63-1/4"
7'-0"	4	9	2", 10", 16", 21-3/4", 29-3/4", 42", 48", 55", 63-1/4"
7'-6"	4 OR 5	11	2", 10", 16", 21-3/4", 29-3/4", 40", 48", 57-1/4", 66", 71", 75-1/2"
8'-0"	4 OR 5	11	2", 10", 16", 21-3/4", 29-3/4", 40", 48", 57-1/4", 66", 71", 75-1/2"
> 8'-0"			SEE NOTE BELOW

NOTE:

(JB-US) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4-20x9/16" TRACK BOLT AND NUT AS SHOWN ABOVE.

ALL DOORS GREATER THAN 8' IN HEIGHT REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SUPPLEMENT TRACK CHART FOR DETAILS.

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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+36.80/-41.60	MAX WIDTH:	18'-2"	DATE		NAME	
TEST (PSF):	+55.20/-62.40	MAX HEIGHT:	24'-0"	DRAWN	03/09/21	JQ	
IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT:	24'	CHECKED	03/31/21	DK	
MODELS 5745/5765/7565/7655/515/525				SHEET 1 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 2618				DRAWING PART NO.		REV.	
				411908		-	

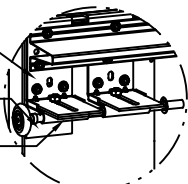
REVISIONS

REV - INITIAL DRAWING
JQ 3/23/21

(2) 12 GA COMMERCIAL 'L' FRAME
TOP BRACKETS ATTACHED WITH (4)
1/4-20x7/8" SELF DRILLING SCREWS
(2 THROUGH STRUT AND TOP
BRACKET)

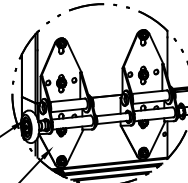
'L' FRAME REINFORCING ANGLE
BRACKET ATTACHED WITH (1)
1/4-20x7/8" SELF DRILLING SCREWS

13 GA ROLLER SLIDE ATTACHED
TO BRACKET WITH 5/16-18 BOLT
& NUT IN THE CENTER SLOT



DETAIL A

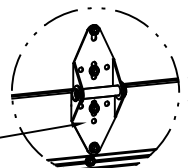
2" STEEL ROLLER WITH 9" GRADE
1144 OR EQUIVALENT STEM. 1/4"
MAX BETWEEN PUSH NUT AND
OUTER HINGE.
OPTIONAL - 11 BALL BEARING
NYLON ROLLER WITH 1144 OR
EQUIVALENT STEM.



DETAIL B

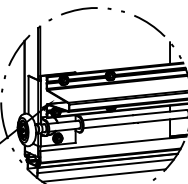
(2) WIDE BODY END HINGES
EACH ATTACHED WITH (4)
1/4-14x7/8" SELF DRILLING
CRIMPITTE SCREWS

DOUBLE END HINGE
#1 HINGE 14GA
#2 HINGE 13GA
#3 HINGE 13GA



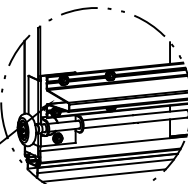
DETAIL C

14 GA WIDE BODY
INTERMEDIATE HINGE
ATTACHED WITH (4)
1/4-14x7/8" SELF DRILLING
CRIMPITTE SCREWS

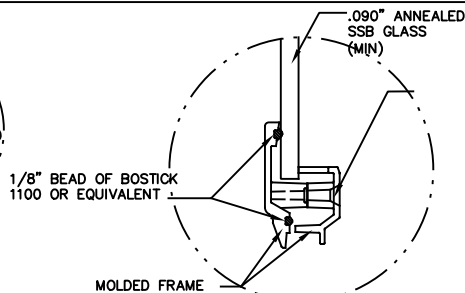


DETAIL D

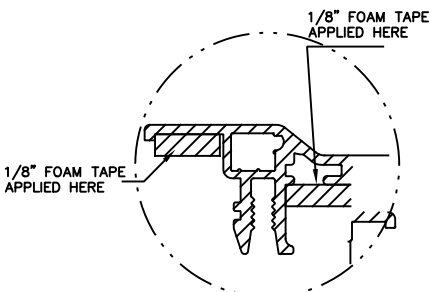
14 GA BOTTOM BRACKET
ATTACHED WITH (2)
1/4-14x7/8" SELF DRILLING
CRIMPITTE SCREWS THROUGH
STRUT AND BOTTOM BRACKET
AND (1) 1/4-14x5/8" SELF
DRILLING TAMPER RESISTANT
SCREW



DETAIL E



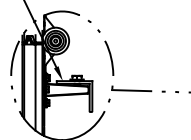
PLASTIC FRAME
(STATIC RATED)
DETAIL F



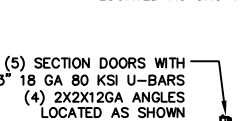
ALUMINUM FRAME
(STATIC RATED ALTERNATE FRAME OPTION)
DETAIL G

ALL 2X2X12GA ANGLE SHALL BE ATTACHED WITH
(2) 1/4-14x7/8" SELF DRILLING CRIMPITTE
SCREWS AT EACH HINGE LOCATION AND BETWEEN
ALL END HINGES AND INTERMEDIATE HINGES. A
MINIMUM OF (18) FASTENERS ARE TO BE USED.

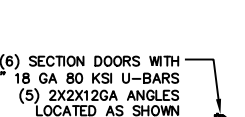
(4) SECTION DOORS WITH
(8) 3" 18 GA 80 KSI U-BARS
(3) 2X2X12GA ANGLES
LOCATED AS SHOWN



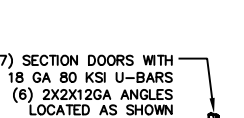
(6) SECTION DOORS WITH
(12) 3" 18 GA 80 KSI U-BARS
(5) 2X2X12GA ANGLES
LOCATED AS SHOWN



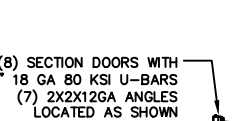
(7) SECTION DOORS WITH
(14) 3" 18 GA 80 KSI U-BARS
(6) 2X2X12GA ANGLES
LOCATED AS SHOWN



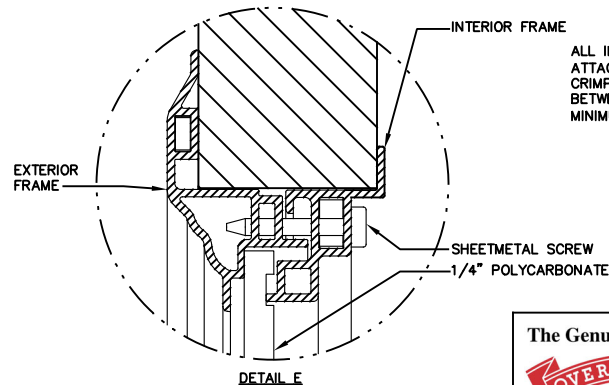
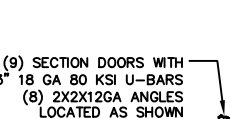
(8) SECTION DOORS WITH
(16) 3" 18 GA 80 KSI U-BARS
(7) 2X2X12GA ANGLES
LOCATED AS SHOWN



(9) SECTION DOORS WITH
(18) 3" 18 GA 80 KSI U-BARS
(8) 2X2X12GA ANGLES
LOCATED AS SHOWN

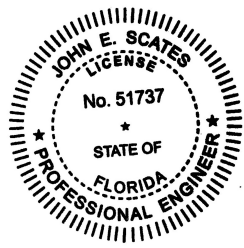
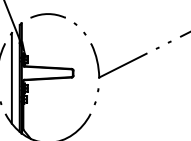


(10) SECTION DOORS WITH
(20) 3" 18 GA 80 KSI U-BARS
(9) 2X2X12GA ANGLES
LOCATED AS SHOWN



DETAIL F

ALL INTERMEDIATE U-BARS WITHOUT ANGLES SHALL BE
ATTACHED WITH (2) 1/4-14x7/8" SELF DRILLING
CRIMPITTE SCREWS AT EACH HINGE LOCATION AND
BETWEEN ALL END HINGES AND INTERMEDIATE HINGES. A
MINIMUM OF (22) FASTENERS ARE TO BE USED.



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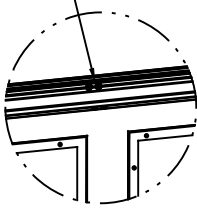


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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
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IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 24"		CHECKED	03/31/21	DK	
MODELS 5745/5765/7565/7655/515/525				SHEET 2 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 2618				DRAWING PART NO.		REV.	
				411908		—	

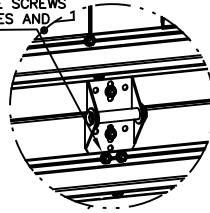
REVISIONS

TOP U-BARS SHALL BE ATTACHED WITH (4)1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS AT EACH HINGE LOCATION AND (2) 1/4-14x7/8" BETWEEN ALL END HINGES AND INTERMEDIATE HINGES. A MINIMUM OF (28) FASTENERS ARE TO BE USED.



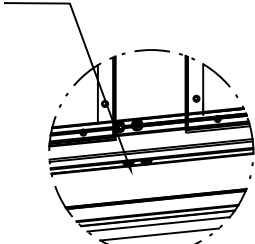
DETAIL H

U-BARS WITH 2X2X12GA ANGLES SHALL BE ATTACHED WITH (3) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS AT EACH HINGE LOCATION AND (2) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS BETWEEN ALL END HINGES AND INTERMEDIATE HINGES.



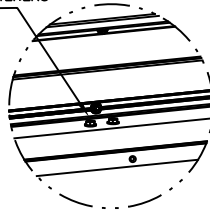
DETAIL K

BOTTOM U-BARS SHALL BE ATTACHED WITH (4)1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS AT EACH HINGE LOCATION AND (2) 1/4-14x7/8" BETWEEN ALL END HINGES AND INTERMEDIATE HINGES. A MINIMUM OF (28) FASTENERS ARE TO BE USED.



DETAIL J

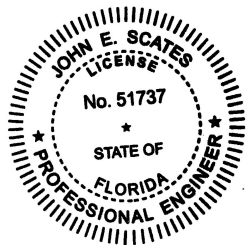
ALL 2X2X12GA ANGLE SHALL BE ATTACHED WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS SIDE BY SIDE AT EACH HINGE LOCATION AND BETWEEN ALL END HINGES AND INTERMEDIATE HINGES. A MINIMUM OF (18) FASTENERS ARE TO BE USED.



DETAIL L

STATIC FRAME SIZE	DAYLIGHT OPENING (DLO)	SCREW QTY
18.74 X 13.76	15 X 11	10
18.25 X 15.25	15.75 X 12.75	6
39.88 X 12.69	35.8 X 8.6	14
40.50 X 15.25	37.8 X 12.75	14
40.75 X 7	37.75 X 4	14
43.96 X 15.09	40.13 X 11.25	22

IMPACT FRAME SIZE	DAYLIGHT OPENING (DLO)	SCREW QTY
19.2 X 15.3	15 X 11	10
19.8 X 16.8	15.75 X 12.75	10
40 X 12.8	35.8 X 8.6	14
42 X 16.8	37.8 X 12.75	14
41.2 X 7.1	37 X 3	12
44.1 X 15.5	40.13 X 11.25	16



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MODELS 5745/5765/7565/7655/515/525					SHEET 3 OF 3		
WINDLOAD SPECIFICATION OPTION CODE 2618					DRAWING PART NO.		REV.
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