

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. VINYL OR WOOD DOOR STOP NAILED A MAXIMUM OF 6" O.C. MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" TO MEET NEGATIVE PRESSURES.

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

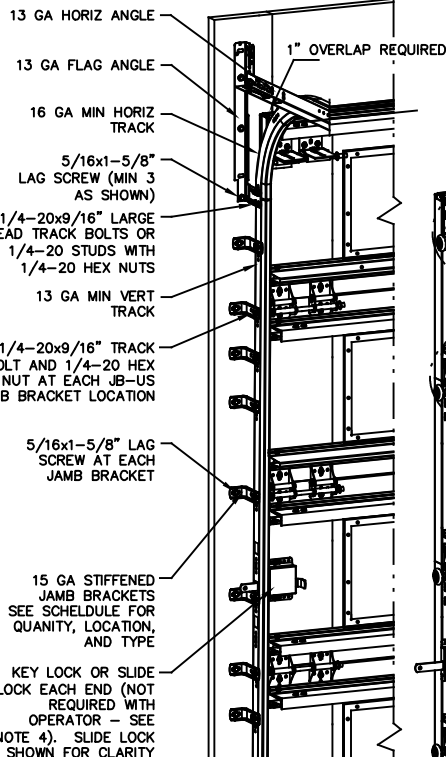
4. MINIMUM 1" OVERLAP ON BOTH JAMBS REQUIRED TO MEET NEGATIVE DESIGN PRESSURES.

5. 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.

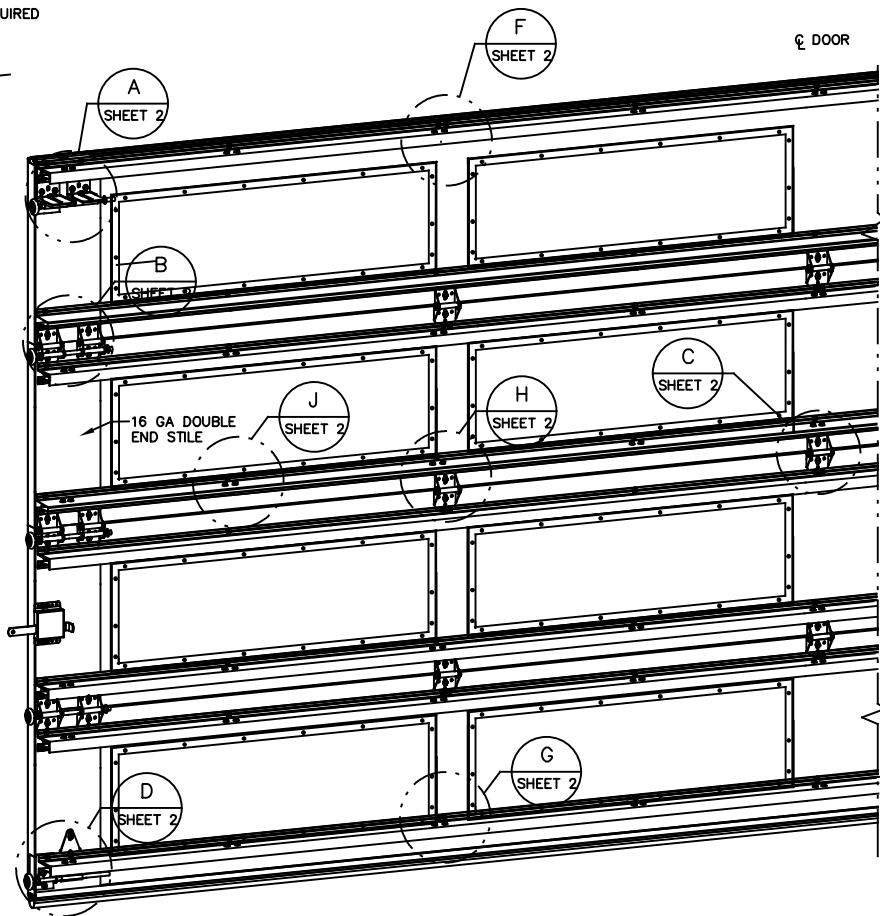
6. DOOR JAMB TO BE MINIMUM 2x6 SOUTHERN PINE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.

7. 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 CRIMPITTE SCREWS IN LIEU OF THE BRACKET SHOWN ON THIS DRAWING. U-BAR ON TOP SECTION SHALL BE INSTALLED ON TOP OF LHR TOP BRACKETS.

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



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



REVISIONS
REV – INITIAL DRAWING
JQ 3/09/21

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
17'-2"	ALL	+354.5/-400.8
18'-2"	ALL	+375.1/-424.2

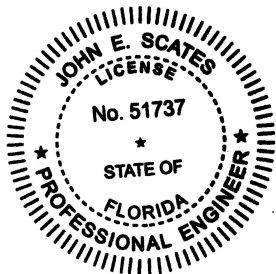
JAMB BRACKET SCHEDULE

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.



Digitally signed by John E. Scates, P.E.

Date: 2021.04.15 16:50:01 -05'00'

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PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.

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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+41.30/-46.70	MAX WIDTH:	18'-2"		DATE		NAME
TEST (PSF):	+61.95/-70.05	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 4600/4650/6600/8300/8350/8500/5150/5200				SHEET 1 OF 2			
WINDLOAD SPECIFICATION OPTION CODE 2619				DRAWING PART NO.		REV.	
				365452		-	

(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.

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

DETAIL B

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

DETAIL C

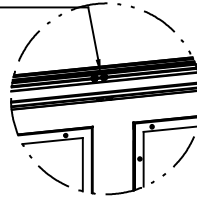
14 GA WIDE BODY
INTERMEDIATE HINGE
ATTACHED WITH (4)
1/4-14x7/8" SELF DRILLING
CRIMPITTE SCREWS

12 GA EXTENSION BRACKET
ATTACHED WITH (4) 1/4-14x7/8"
SELF DRILLING CRIMPITTE SCREWS

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

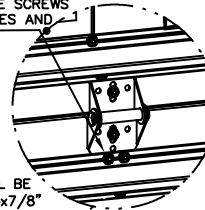
DETAIL D

TOP AND BOTTOM U-BARS
SHALL BE ATTACHED WITH
(4) 1/4-14x7/8" SELF DRILLING
CRIMPITTE SCREWS AT EACH
HINGE LOCATION.



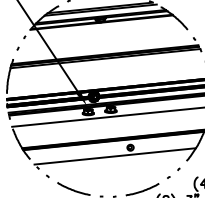
DETAIL F

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



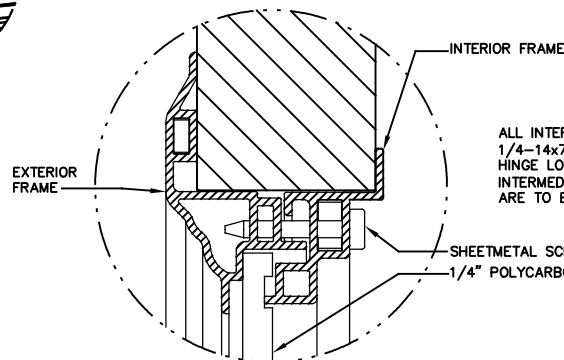
DETAIL H

ALL 2X2X12GA ANGLE SHALL BE
ATTACHED WITH (2) 1/4-14x7/8"
SELF DRILLING CRIMPITTE 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.



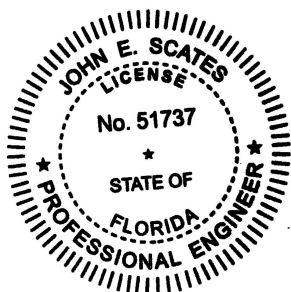
DETAIL J

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.



DETAIL E

ALL INTERMEDIATE U-BARS 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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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

(10) SECTION DOORS WITH
(20) 3" 18 GA 80 KSI U-BARS
(15) 2X2X12GA ANGLES
LOCATED AS SHOWN

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

(8) SECTION DOORS WITH
(16) 3" 18 GA 80 KSI U-BARS
(12) 2X2X12GA ANGLES
LOCATED AS SHOWN

(7) SECTION DOORS WITH
(14) 3" 18 GA 80 KSI U-BARS
(11) 2X2X12GA ANGLES
LOCATED AS SHOWN

(6) SECTION DOORS WITH
(12) 3" 18 GA 80 KSI U-BARS
(9) 2X2X12GA ANGLES
LOCATED AS SHOWN

(5) SECTION DOORS WITH
(10) 3" 18 GA 80 KSI U-BARS
(8) 2X2X12GA ANGLES
LOCATED AS SHOWN

(4) SECTION DOORS WITH
(8) 3" 18 GA 80 KSI U-BARS
(6) 2X2X12GA ANGLES
LOCATED AS SHOWN

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MODELS 4600/4650/6600/8300/8350/8500/5150/5200				SHEET 2 OF 2			
WINDLOAD SPECIFICATION OPTION CODE 2619				DRAWING PART NO.		REV.	
				365452		-	