

**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 (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. VINYL OR WOOD DOOR STOP NAILED A MAXIMUM OF 6" O.C. MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" OR DOOR MAY OVERLAP JAMBS BY 1" ON EACH SIDE.

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.

13 GA HORIZ ANGLE

13 GA FLAG ANGLE

16 GA MIN HORIZ TRACK

5/16x1-5/8" LAG SCREW (MIN 3 AS SHOWN)

(4) 1/4-20x9/16" LARGE HEAD TRACK BOLTS OR 1/4-20 STUDS WITH 1/4-20 HEX NUTS 15 GA MIN VERT TRACK

1/4-20x9/16" TRACK BOLT AND 1/4-20 HEX NUT AT EACH JB-US JAMB BRACKET LOCATION

5/16x1-5/8" LAG SCREW AT EACH JAMB BRACKET

15 GA STIFFENED JAMB BRACKETS SEE SCHEDULE FOR QUANTITY, LOCATION, AND TYPE

KEY LOCK OR SLIDE LOCK EACH END (NOT REQUIRED WITH OPERATOR - SEE NOTE 4). SLIDE LOCK SHOWN FOR CLARITY

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

DOOR

A  
SHEET 2

B  
SHEET 2

C  
SHEET 2

D  
SHEET 2

**SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE**

| DOOR WIDTH | DOOR HEIGHT | UNIFORM LOAD EACH JAMB (PLF) |
|------------|-------------|------------------------------|
| 10'-2"     | ALL         | +127.1/-143.35               |
| 12'-2"     | ALL         | +152.1/-171.6                |
| 14'-2"     | ALL         | +177.1/-199.8                |
| 15'-2"     | ALL         | +189.6/-213.9                |
| 16'-2"     | ALL         | +202.1/-227.9                |

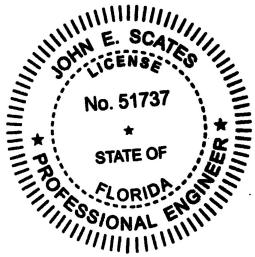
**JAMB BRACKET SCHEDULE**

| 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               | 7                                | 2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/4" (JB-US)                  |
| 7'-0"       | 4               | 7                                | 2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 42" (JB-US), 52-1/2" (JB-US), 63-1/4" (JB-US)              |
| 7'-6"       | 4 OR 5          | 8                                | 2" (JB-US), 10" (JB-US), 18-3/4" (JB-US), 26-3/4" (JB-US), 36" (JB-US), 45" (JB-US), 54-1/4" (JB-US), 74-1/2" (JB-US) |
| 8'-0"       | 4 OR 5          | 8                                | 2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/2" (JB-US), 75-1/2" (JB-US) |
| > 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.



JOHN E. SCATES, PE  
2560 KING ARTHUR #124-54  
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FL PE 51737  
TX PE 56308/F2203

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

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

Date: 2021.04.16 10:10:31 -05'00'

The Genuine. The Original.



A DIVISION OF OVERHEAD DOOR CORP  
3395 ADDISON DRIVE  
PENSACOLA, FLORIDA 32514  
(850) 474-9890

STATIC PRESSURE RATINGS

DESIGN (PSF): +25.00/-28.20

TEST (PSF): +37.50/-42.30

IMPACT/CYCLIC RATED (YES/NO): YES

APPROVED SIZES

MAX WIDTH: 16'-2"

MAX HEIGHT: 24'-1"

MAX SECTION HEIGHT: 24"

SCALE: N.T.S.

DATE 03/09/21

DRAWN 03/31/21

CHECKED 03/31/21

SIZE: A

NAME

JQ

DK

MODELS 5745/5765/7565/7655/515/525

WINDLOAD SPECIFICATION OPTION CODE 2609

SHEET 1 OF 2

DRAWING PART NO.

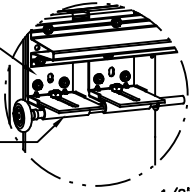
411899

REV.

-

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

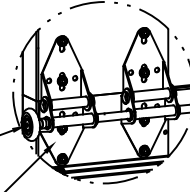
13 GA ROLLER SLIDE ATTACHED  
TO BRACKET WITH 5/16-18 BOLT  
& NUT IN THE CENTER SLOT



DETAIL A

1/8" BEAD OF BOSTICK  
1100 OR EQUIVALENT

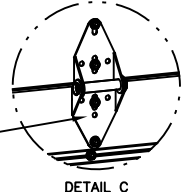
2" STEEL ROLLER WITH 9" GRADE  
1144 OR EQUIVALENT STEM.  
OPTIONAL- 11 BALL BEARING  
NYLON ROLLER WITH 1144 OR  
EQUIVALENT STEM.



DETAIL B

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

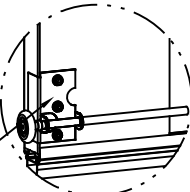
DOUBLE END HINGE  
#1 HINGE 14GA  
#2 HINGE 13GA  
#3 HINGE 13GA



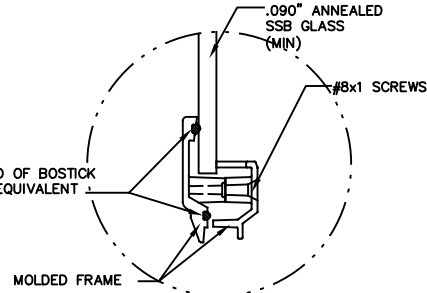
DETAIL C

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

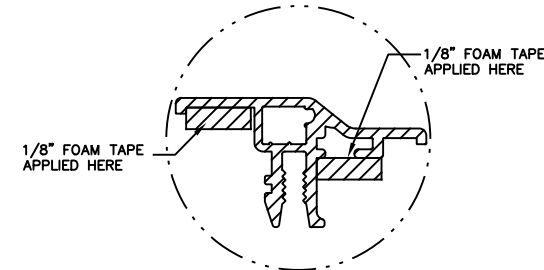
14 GA BOTTOM BRACKET  
ATTACHED WITH (2)  
1/4-14x7/8" SELF DRILLING  
CRIMPITITE SCREWS THROUGH  
STRUT AND BOTTOM BRACKET  
AND (1) 1/4-14x5/8" SELF  
DRILLING TAMPER RESISTANT  
SCREW



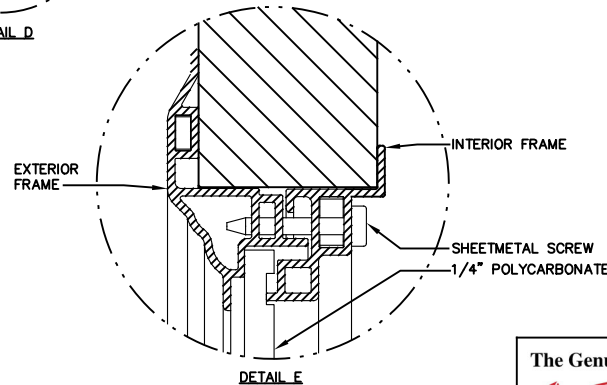
DETAIL D



PLASTIC FRAME  
(STATIC RATED)  
DETAIL E



ALUMINUM FRAME  
(STATIC RATED ALTERNATE FRAME OPTION)  
DETAIL F



DETAIL G

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

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

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

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

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

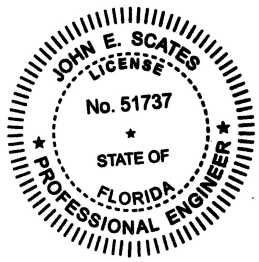
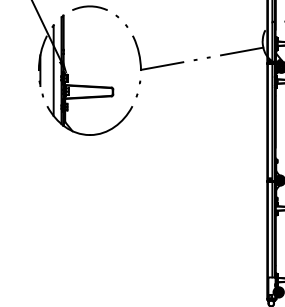
(8) SECTION DOORS WITH  
(12) 3" 18 GA 80 KSI U-BARS  
LOCATED AS SHOWN

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

(10) SECTION DOORS WITH  
(15) 3" 18 GA 80 KSI U-BAR  
LOCATED AS SHOWN

| STATIC FRAME SIZE | DAYLIGHT<br>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<br>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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| STATIC PRESSURE RATINGS                 |               | APPROVED SIZES      |        | SCALE: N.T.S.    |          | SIZE: A |  |
|-----------------------------------------|---------------|---------------------|--------|------------------|----------|---------|--|
| DESIGN (PSF):                           | +25.00/-28.20 | MAX WIDTH:          | 16'-2" | DATE             | NAME     |         |  |
| TEST (PSF):                             | +37.50/-42.30 | MAX HEIGHT:         | 24'-1" | 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 2 OF 2     |          |         |  |
| WINDLOAD SPECIFICATION OPTION CODE 2609 |               |                     |        | DRAWING PART NO. |          | REV.    |  |
|                                         |               |                     |        | 411899           |          |         |  |

REVISIONS