

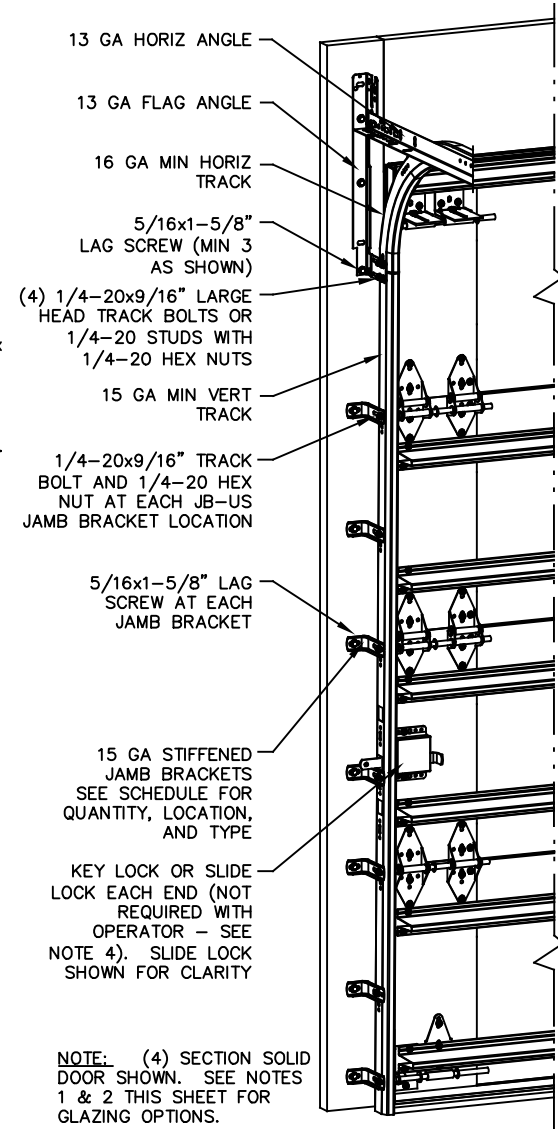
NOTES:  
1. IMPACT RESISTANT GLAZING OPTION – IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS). GLAZING SHALL BE 1/4" POLYCARBONATE. MAXIMUM GLAZING DIMENSIONS SHALL BE 14" x 46" CUTOUT, FASTENED WITH A MINIMUM #8 X 1" SMS: 3X ALONG THE HORIZONTAL AND 3X ALONG THE VERTICAL. SEE DETAIL E ON SHEET 2 FOR ASSEMBLY DETAILS.  
2. NON-IMPACT REISTANT GLAZING OPTION – .090" MINIMUM SSB GLAZING IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (10) #8x1" SCREWS (3X ALONG THE HORIZONTAL AND 2X ALONG THE VERTICAL) INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS) MEETS UNIFORM STATIC WIND PRESSURES SHOWN ON THIS DRAWING. MAXIMUM GLAZING DIMENSIONS SHALL BE 15" x 46" CUTOUT. GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS.  
3. 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.  
4. KEY LOCK, SLIDE LOCKS, OR OPERATOR REQUIRED.  
5. LOUVER OPTION – .040" MINIMUM LOUVERS IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (10) #8x1" SCREWS (3X ALONG THE HORIZONTAL AND 2X ALONG THE VERTICAL) INSTALLED IN THE BOTTOM SECTION. MAXIMUM LOUVER DIMENSIONS SHALL BE 15" x 19" CUTOUT. LOUVERS ARE NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS.  
6. FACER STEEL TO HAVE A MINIMUM 27 GA THICKNESS AND BACKER STEEL TO HAVE A MINIMUM 29 GA THICKNESS.  
7. A 4-1/2" x 6" x 22 GA BACKER PLATE IS TO BE LOCATED AT EVERY INTERMEDIATE AND OUTER END HINGE LOCATION.  
8. 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.  
9. DOOR JAMB TO BE MINIMUM 2x4 STRUCTURAL GRADE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.  
10. 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.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

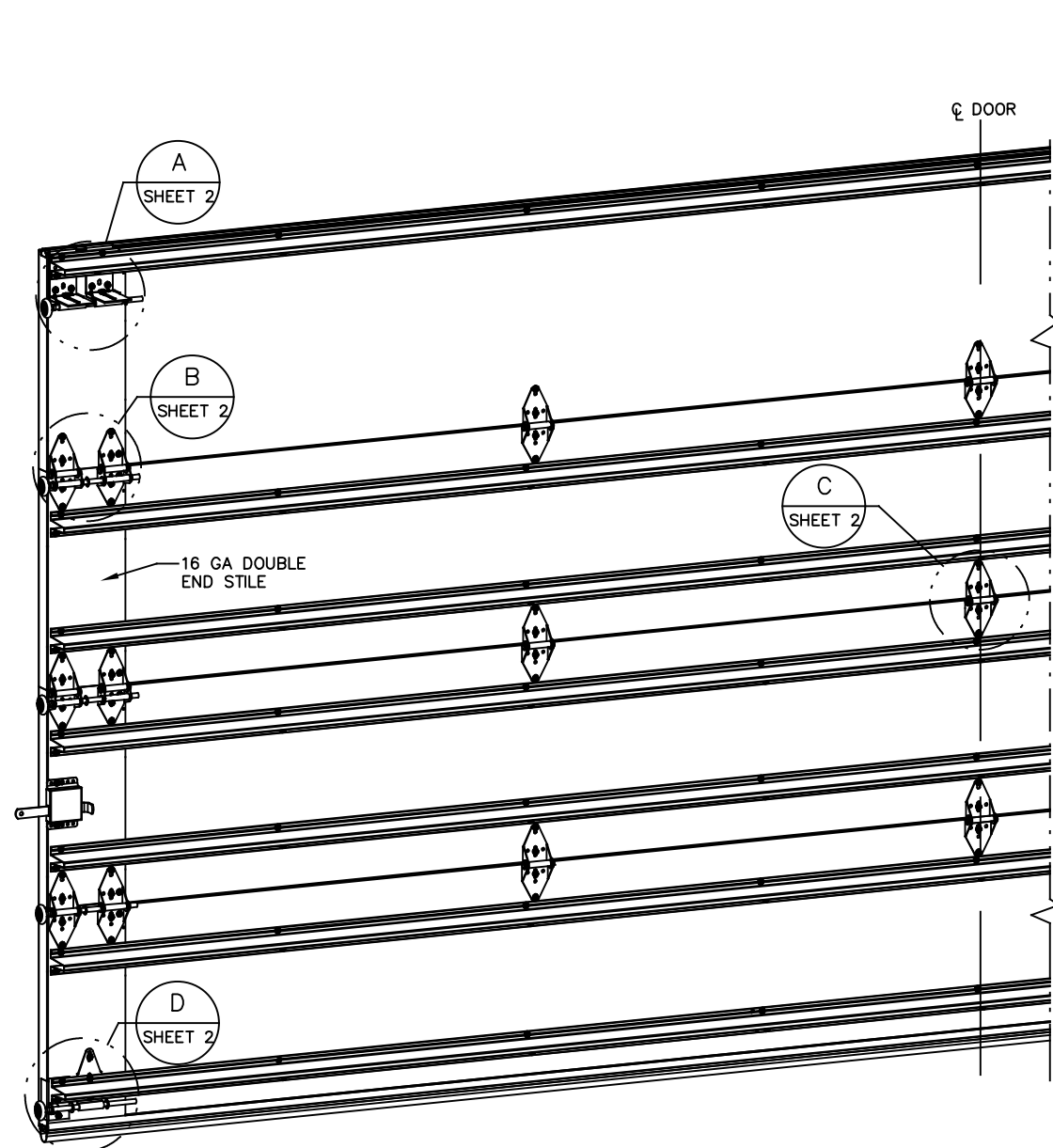
| DOOR WIDTH | DOOR HEIGHT | UNIFORM LOAD EACH JAMB (PLF) |
|------------|-------------|------------------------------|
| 10'-2"     | ALL         | +174.9/-194.7                |
| 12'-2"     | ALL         | +209.3/-234.0                |
| 14'-2"     | ALL         | +243.7/-271.3                |
| 15'-2"     | ALL         | +260.9/-290.4                |
| 16'-2"     | ALL         | +278.1/-309.6                |

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.



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               | 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                                                                                                        |

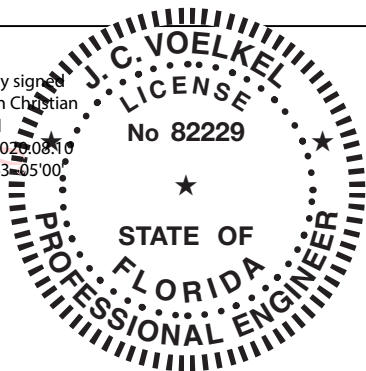
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                                                                                                            |                                       |                |                 |                                                                                                                                          |             |              |                       |      |                |           |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|-----------------------|------|----------------|-----------|--------|
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                       | TOLERANCES UNLESS OTHERWISE SPECIFIED |                | FINISH          | <br>The Genuine. The Original.<br>LEWISVILLE, TEXAS | NAME        | DATE         | DRAWING TITLE:        |      |                |           |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                                                                                                            | HOLE DIAMETER                         | WHOLE NUMBERS: | N/A             |                                                                                                                                          | DRAWN BY:   | 10/25/13     | SERIES 5745/5765/7565 |      |                |           |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                                                                                                            | UNDER .251 +.004/- .003               | ± .25          | UNIT OF MEASURE | MATERIAL:                                                                                                                                | CHECKED BY: | APPROVED BY: | 7655/515/525          |      |                |           |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                                                                                                            | .251 TO .500 +.006/- .003             | .X ± .1        |                 |                                                                                                                                          |             |              | EACH                  | NONE | DRAWING NUMBER | D- 411324 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                                                                                                            | OVER .500 +.008/- .003                | .XX ± .03      |                 |                                                                                                                                          |             |              |                       |      |                | SCALE:    | N.T.S. |
| REF DWG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | USED ON | ASME Y14.100 AND Y14.5<br>APPLY, UNLESS OTHERWISE<br>SPECIFIED. DIMENSIONS ARE<br>IN U.S. CUSTOMARY UNITS. | FRACTIONS                             | .XXX ± .010    |                 |                                                                                                                                          |             |              |                       |      |                |           |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                                                                                                            | ± 1/16                                | ANGLES: ± .5°  |                 |                                                                                                                                          |             |              |                       |      |                |           |        |

| REVISIONS |     |                        |            |          |
|-----------|-----|------------------------|------------|----------|
| ER        | REV | DESCRIPTION            | DATE       | APPROVAL |
|           | B   | UPDATED GLAZING        | 6/03/14    | GRT      |
|           | C   | REV TITLE BLOCK        | 10/2/2017  | ESC      |
| 32177     | D   | ADD MODEL# 7655        | 11/15/2019 | TLC      |
| 32442     | E   | ADDED NYLON ROLLER OPT | 8/2/2020   | TLC      |

| STATIC PRESSURE RATINGS           | APPROVED SIZES          |
|-----------------------------------|-------------------------|
| DESIGN PRESSURE(PSF): +34.4/-38.3 | MAX WIDTH: 16'-2"       |
| IMPACT/CYCLIC RATED: YES          | MAX HEIGHT: 24'         |
|                                   | MAX SECTION HEIGHT: 24' |

John  
Christian  
Voelkel

Digitally signed  
by John Christian  
Voelkel  
Date: 2020.08.10  
15:45:43 -05'00'



J. CHRISTIAN VOELKEL, PE  
312 N. NEW WARRINGTON RD, UNIT 1A  
PENSACOLA, FL  
FL PE 82229  
TX PE 133174

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

(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

ADD (2) 1/4-14x7/8"  
SELF DRILLING CRIMPTITE SCREWS  
(INSIDE OF EACH INSIDE END HINGE)

2" STEEL ROLLER WITH 9" GRADE  
1144 OR EQUIVALENT STEM AND  
7/16" PUSH NUT AT EACH ROLLER  
LOCATION LOCATED BETWEEN THE  
BRACKET OR HINGE (EXCEPT  
PUSHNUT LOCATED ON THE TOP  
AND BOTTOM ROLLER IS LOACED  
OUTSIDE OF BOTH BRACKETS). 1/4"  
MAX BETWEEN PUSH NUT AND  
OUTER HINGE. OPTIONAL NYLON,  
10/11-BALL BEARING ROLLER  
AVAILABLE.

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

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

12 GA EXTENSION BRACKET  
ATTACHED WITH (3) 1/4-14x7/8"  
SELF DRILLING CRIMPTITE SCREWS  
(2 THROUGH STRUT AND BRACKET)

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

HINGE & BACKER PLATE LOCATIONS

(10) SECTION DOORS WITH  
(19) 3" 18 GA 80 KSI U-BARS  
LOCATED AS SHOWN

(9) SECTION DOORS WITH  
(17) 3" 18 GA 80 KSI U-BARS  
LOCATED AS SHOWN

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

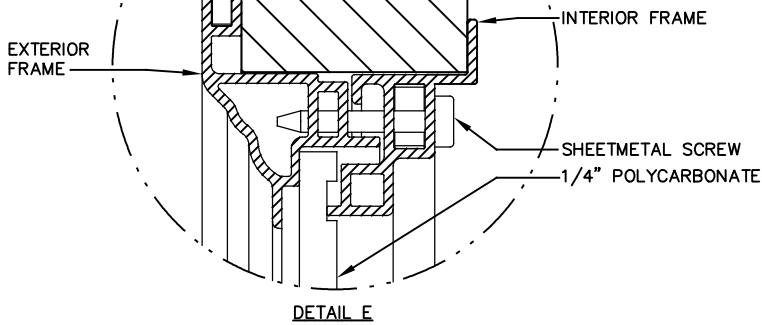
(7) SECTION DOORS WITH  
(13) 3" 18 GA 80 KSI U-BARS  
LOCATED AS SHOWN

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

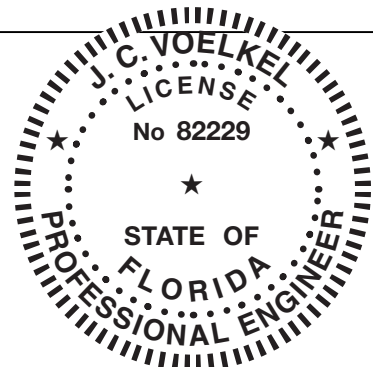
(5) SECTION DOORS WITH  
(9) 3" 18 GA 80 KSI U-BARS  
LOCATED AS SHOWN

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

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



| REVISIONS |     |                        |            |          |
|-----------|-----|------------------------|------------|----------|
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