

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.

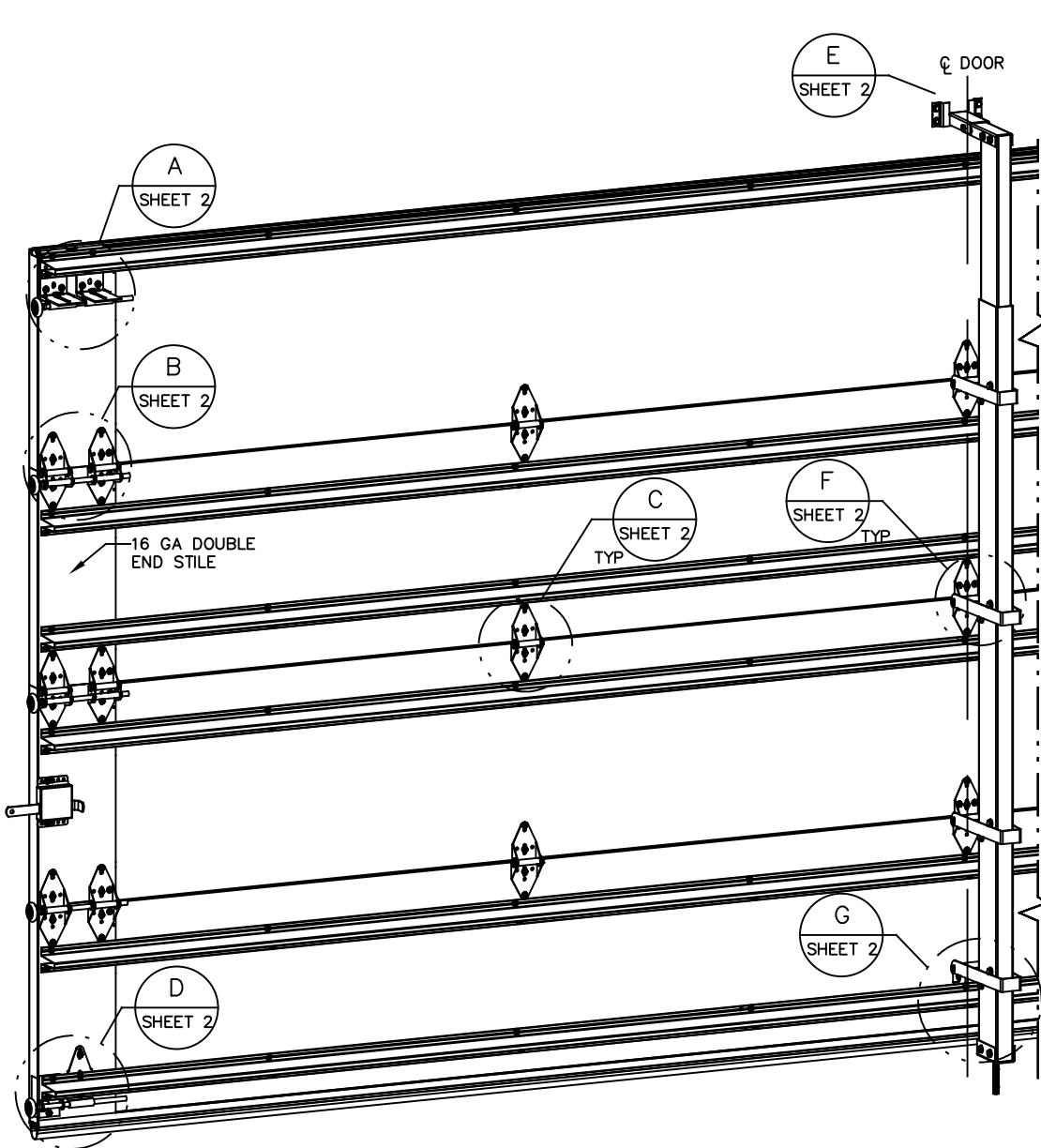
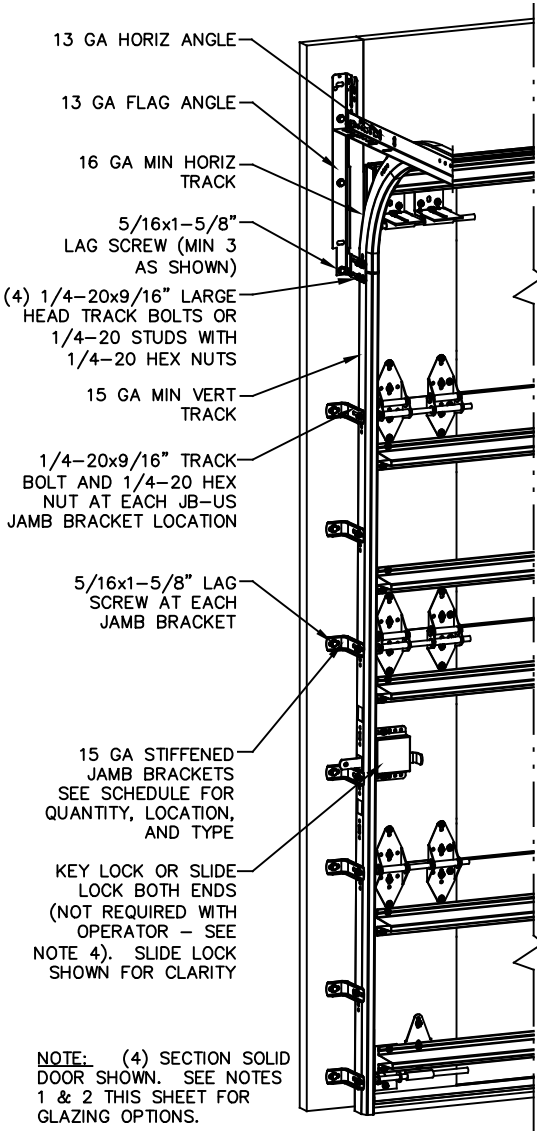
7. A 4-1/2" x 6" x 22 GA BACKER PLATE IS TO BE LOCATED AT EVERY INTERMEDIATE AND OUTER END HINGE LOCATION.

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 2x6 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.

11. DOOR WITHOUT POST SYSTEM HAS BEEN TESTED TO WITHSTAND DESIGN PRESSURES CORRESPONDING TO A 75 MPH WIND SPEED (+/-14.40 PSF). POST SYSTEM SHALL BE INSTALLED WHEN WIND SPEEDS ARE EXPECTED TO EXCEED 75 MPH.



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)

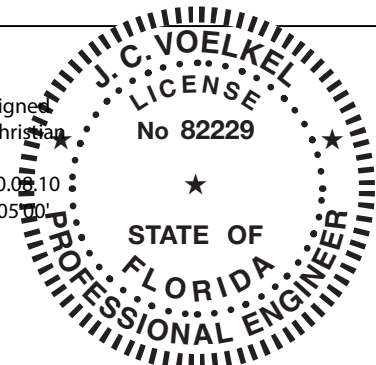
NOTE:
(JB-US) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4-20x9/16" TRACK BOLT AND NUT AS SHOWN ABOVE.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

MAX DOOR WIDTH	MAX DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)	POINT LOAD AT HEADER AND SLAB AT EACH POST LOCATION (LBS)
16'-2"	7'-0"	+139.4/-157.6	+1684.9/-1904.6
	8'-0"	+139.4/-157.6	+1917.3/-2167.4
14'-2"	7'-0"	+169.8/-192.0	+1580.3/-1786.4
	8'-0"	+168.8/-192.0	+1798.2/-2032.8
12'-2"	7'-0"	+150.6/-170.2	+1387.3/-1568.3
	8'-0"	+150.6/-170.2	+1578.6/-1784.6
10'-2"	7'-0"	+128.1/-144.8	+1177.0/-1330.5
	8'-0"	+128.1/-144.8	+1339.4/-1514.0

John Christian Voelkel

Digitally signed by John Christian Voelkel
Date: 2020.08.10 15:46:29 -0500



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.

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REF DWG	USED ON		TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH N/A	UNIT OF MEASURE EACH	MATERIAL NONE	NAME G. TAYLOR	DATE 10/25/13
			HOLE DIAMETER	WHOLE NUMBERS: ± .25					
			UNDER .251 +.004/--.003	.X ± .1					
			.251 TO .500 +.006/--.003	.XX ± .03					
			OVER .500 +.008/--.003	.XXX ± .010					
			FRACTIONS	ANGLES: ± .5°					
			± 1/16						
			ASME Y14.100 AND Y14.5 APPLY, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.						
DRAWING TITLE:		SERIES 5745/5765/7565		7655/515/525		DRAWING NUMBER		D-411325	
SCALE:		N.T.S.		SHEET 1 OF 2					

D

C

B

A

(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 CRIMPITE SCREWS
(INSIDE OF EACH INSIDE END HINGE)

2" STEEL ROLLER WITH 9" GRADE
1144 OR EQUIVALENT STEM.
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 CRIMPITE SCREWS

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

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

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

DETAIL A

DETAIL B

DETAIL C

DETAIL D

DETAIL E

DETAIL F

DETAIL G

2500 PSI MIN
CONCRETE

8" X 8" MIN
TURNDOWN SLAB
AT EDGE

DETAIL H

HEADER
HEADER LOCK
BRACKET

(4) 5/16x1-5/8"
LAG SCREWS
5/16-18x2-1/2"
HEX BOLT & NUT

14 GA CENTER HINGE
HITCH PIN
(4) 1/4-14x7/8"
SELF DRILLING
CRIMPITE SCREWS
ADDED TO EACH
HINGE WITH A POST
STRAP
(2) 5/16-12x1" SELF
DRILLING SCREWS EACH
WITH (1) 5/16 FLAT
WASHER

DETAIL E

DETAIL F

DETAIL G

TOP PLATE
EXTENSION

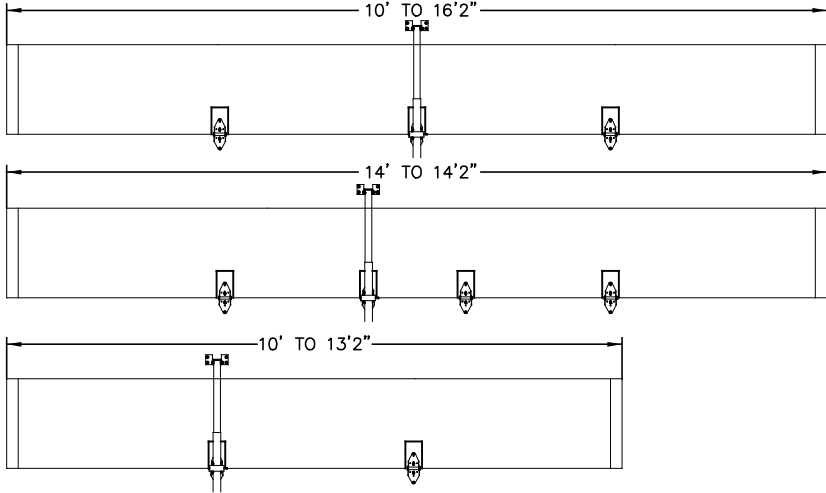
TOP LOCK
PLATE

(4) 5/16-12x1"
SELF DRILLING
SCREWS
INNER POST

(4) 1/4-14x7/8"
SELF DRILLING
CRIMPITE SCREWS

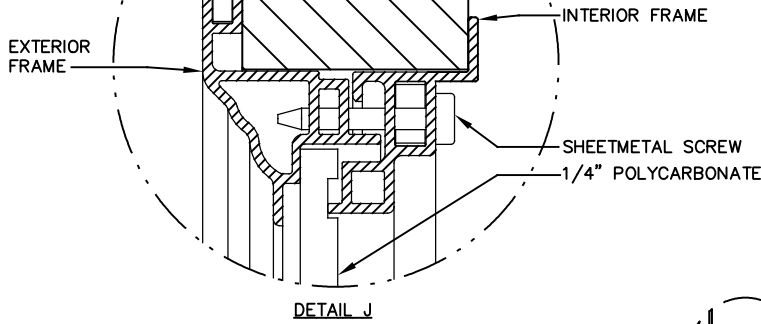
LOCKING
STRAP
POST

HINGE & BACKER PLATE LOCATIONS



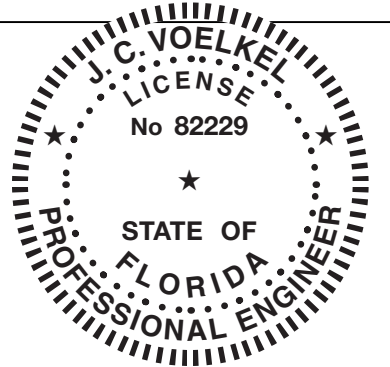
(5) SECTION DOORS WITH
(8) 3" 20 GA 80 KSI U-BARS
LOCATED AS SHOWN

(4) SECTION DOORS WITH
(6) 3" 20 GA 80 KSI U-BARS
LOCATED AS SHOWN



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

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



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REF DWG		USED ON		TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH		The Genuine. The Original.	
				HOLE DIAMETER		N/A		OVERHEAD DOOR	
				UNDER .251 +.004/--.003		WHOLE NUMBERS: ± .25		LEWISVILLE, TEXAS	
				.251 TO .500 +.006/--.003		.X ± .1		DRAWN BY: G. TAYLOR	
				OVER .500 +.008/--.003		.XX ± .03		DATE: 10/25/13	
				FRACTIONS		.XXX ± .010		CHECKED BY:	
				± 1/16		ANGLES: ± .5°		APPROVED BY:	
						UNIT OF MEASURE		DRAWING TITLE:	
						EACH		SERIES 5745/5765/7565	
								7655/515/525	
								DRAWING NUMBER	
								D- 411325	
								SCALE: N.T.S.	
								SHEET 2 OF 2	