

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 PUCHNUTS AND WITH A MINIMUM OF (3) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS IN LIEU OF THE BRACKET SHOWN ON THIS DRAWING. U-BAR ON TOP SECTION SHALL BE INSTALLED ON TOP OF LHR TOP BRACKETS.

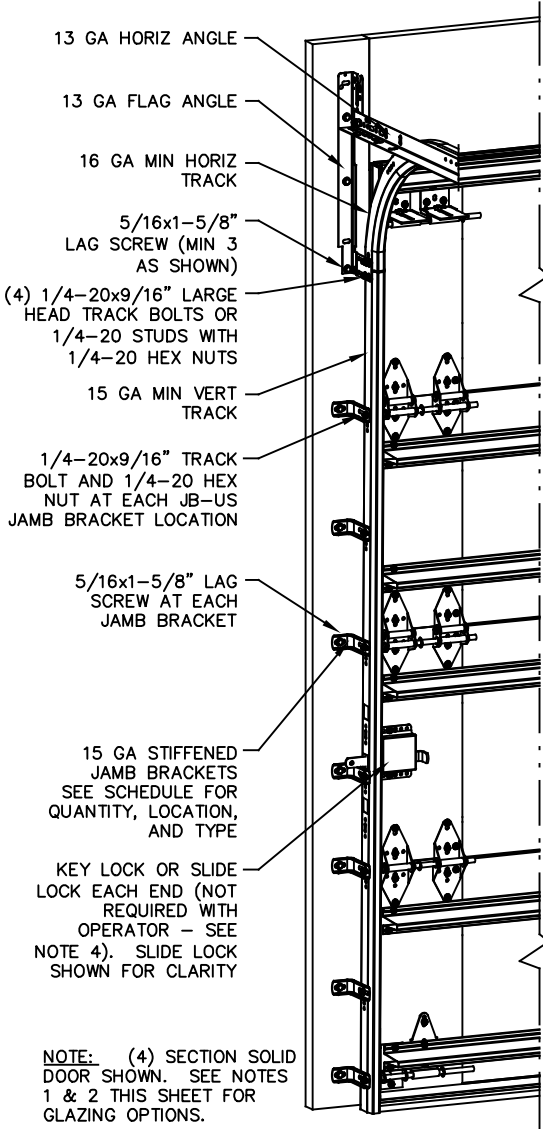
SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
10'-2"	ALL	+152.5/-170.3
12'-2"	ALL	+182.5/-203.8
14'-2"	ALL	+212.5/-237.3
15'-2"	ALL	+227.5/-254.0
16'-2"	ALL	+242.5/-270.8

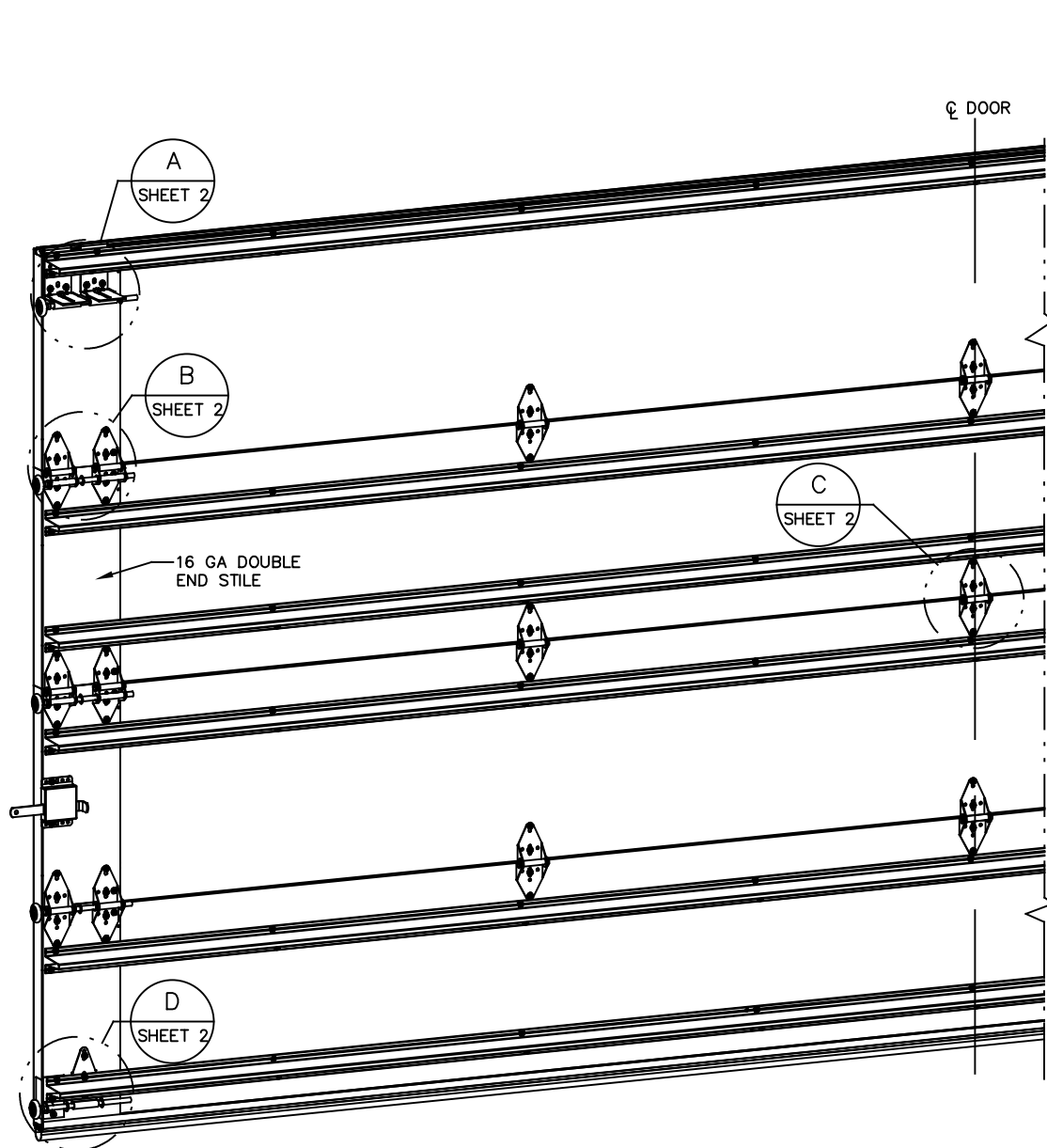
NOTE:

(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

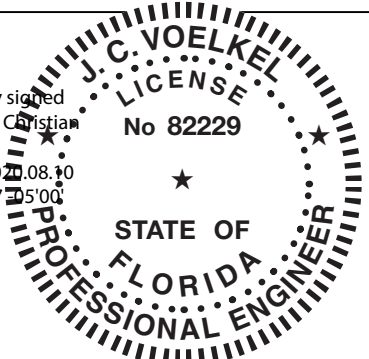
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REF DWG	USED ON		TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH N/A	The Genuine. The Original. 	NAME G. TAYLOR	DATE 10/25/13	DRAWING TITLE: SERIES 5745/5765/7565 7655/515/525
			HOLE DIAMETER	WHOLE NUMBERS: ± .25					
			UNDER .251 +.004/--.003	.X ± .1	UNIT OF MEASURE EACH	MATERIAL: NONE	CHECKED BY:		DRAWING NUMBER D- 411323
			.251 TO .500 +.006/--.003	.XX ± .03					
			OVER .500 +.008/--.003	.XXX ± .010			APPROVED BY:		SCALE: N.T.S. SHEET 1 OF 2
			FRACTIONS ± 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): +30.0/-33.5	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
15:44:57 -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.

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 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

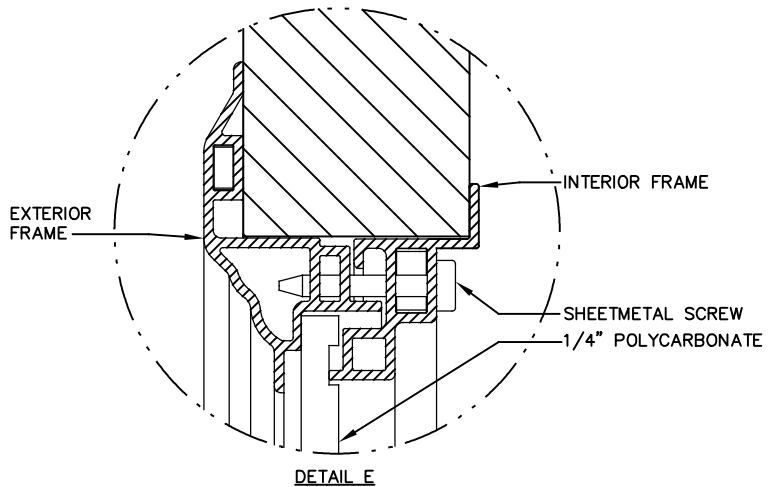
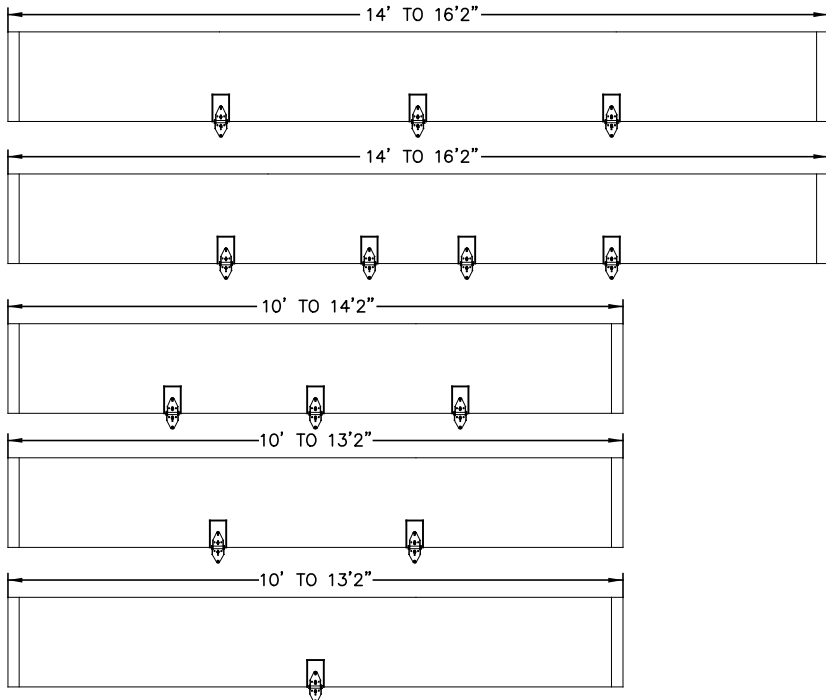
DETAIL A

DETAIL B

DETAIL C

DETAIL D

HINGE & BACKER PLATE LOCATIONS



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.

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

(5) 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

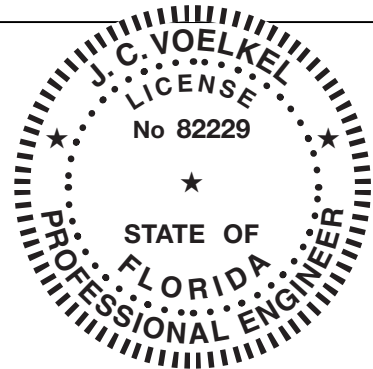
(7) SECTION DOORS WITH
(11) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

(8) SECTION DOORS WITH
(12) 3" 18 GA 80 KSI U-BARS
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(9) SECTION DOORS WITH
(14) 3" 18 GA 80 KSI U-BARS
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(10) SECTION DOORS WITH
(15) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

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				UNDER .251 +.004/- .003		.25 ± .25		UNIT OF MEASURE EACH		 MATERIAL: NONE		CHECKED BY:		DRAWING NUMBER D- 411323	
				.251 TO .500 +.006/- .003		.X ± .1									
				OVER .500 +.008/- .003		.XX ± .03									
				FRACTIONS		.XXX ± .010									
REF DWG		USED ON		± 1/16		ANGLES: ± .5°				APPROVED BY:		SCALE: N.T.S.		SHEET 2 OF 2	