NOTES:
1. 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.

2. KEY LOCK, SLIDE LOCKS, OR OPERATOR REQUIRED.

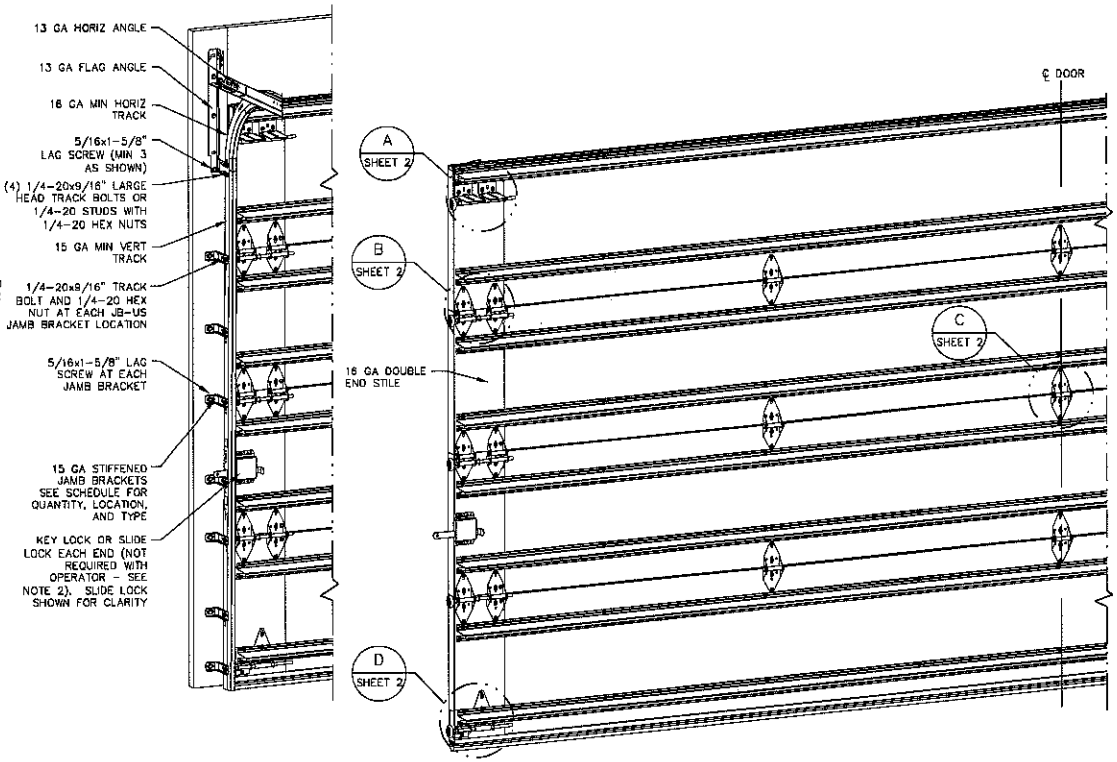
3. LOUVER OPTION – .040" MINIMUM LOUVERS IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (10) #8x1" SCREWS (3X ALONG THE HORIZONTAL AND 2X ALONG THE VERTICAL) INSTALLED IN THE BOTTOM SECTION. MAXIMUM LOUVER DIMENSIONS SHALL BE 15" x 19" CUTOUT. LOUVERS ARE NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS.
4. FACER STEEL TO HAVE A MINIMUM 27 GA THICKNESS AND BACKER STEEL TO HAVE A MINIMUM 29 GA THICKNESS.

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

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 2x4 STRUCTURAL GRADE 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 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.



REVISIONS				
ER	REV	DESCRIPTION	DATE	APPROVAL
X	-	RELEASE PER ER	10/25/13	GRT
	A	UPDATED MODELS	1/28/14	GRT
	B	UPDATED GLAZING	6/03/14	GRT

6/4/14

STATE OF TEXAS
MARK A SAWICKI
106291
LICENSED
PROFESSIONAL ENGINEER

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +20.1/-22.5	MAX WIDTH: 22'-2"
	MAX HEIGHT: 24'
IMPACT/CYCLIC RATED: NO	MAX SECTION HEIGHT: 24'

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
20'-2"	ALL	+204.9/-228.8
22'-2"	ALL	+225.0/-251.3

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.

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LEWISVILLE, TX 75067
FL PE 72613
TX PE 106291

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REF DWG	USED ON

THIRD ANGLE PROJECTION
ASME Y14.5M AND Y14.5 (REV'D. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS)

TOLERANCES UNLESS OTHERWISE SPECIFIED
HOLE DIAMETER: UNDER .251 +.004/-.003; .251 TO .500 +.006/-.003; OVER .500 +.008/-.003
FRACTIONS: ± 1/16
WHOLE NUMBERS: ± .25; .X ± .1; .XX ± .03; .XXX ± .010; ANGLES: ± .5°

FINISH: N/A
UNIT OF MEASURE: EACH
MATERIAL: NONE

The Genuine. The Original. LEWISVILLE, TEXAS

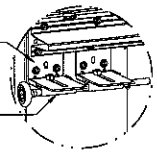
NAME	DATE
DRAWN BY: G. TAYLOR	10/25/13
CHECKED BY:	
APPROVED BY:	

DRAWING TITLE: SERIES 5745/5765/7565 515/525
DRAWING NUMBER: D- 411332
SCALE: N.T.S. SHEET 1 OF 2

REVISIONS				
ER	REV	DESCRIPTION	DATE	APPROVAL
X	–	RELEASE PER ER	10/25/13	GRT
	A	UPDATED MODELS	1/28/14	GRT
	B	UPDATED GLAZING	6/03/14	GRT

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

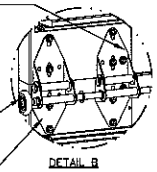
13 GA ROLLER SLIDE ATTACHED TO BRACKET WITH 5/16-18 BOLT & NUT IN THE CENTER SLOT



DETAIL A

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

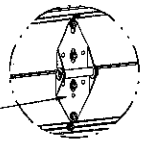
2" STEEL ROLLER WITH 9" GRADE 1144 OR EQUIVALENT STEM AND 7/16" PUSH NUT AT EACH ROLLER LOCATION LOCATED BETWEEN THE BRACKET OR HINGE (EXCEPT PUCHNUT LOCATED ON THE TOP AND BOTTOM ROLLER IS LOACTED OUTSIDE OF BOTH BRACKETS). 1/4" MAX BETWEEN PUSH NUT AND OUTER HINGE.



DETAIL B

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

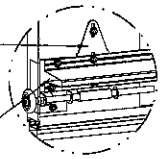
14 GA WIDE BODY INTERMEDIATE HINGE ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS



DETAIL C

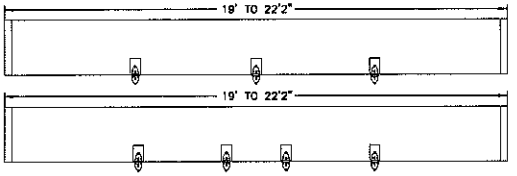
12 GA EXTENSION BRACKET ATTACHED WITH (3) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS (2 THROUGH STRUT AND BRACKET)

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 D

HINGE & BACKER PLATE LOCATIONS



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

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

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

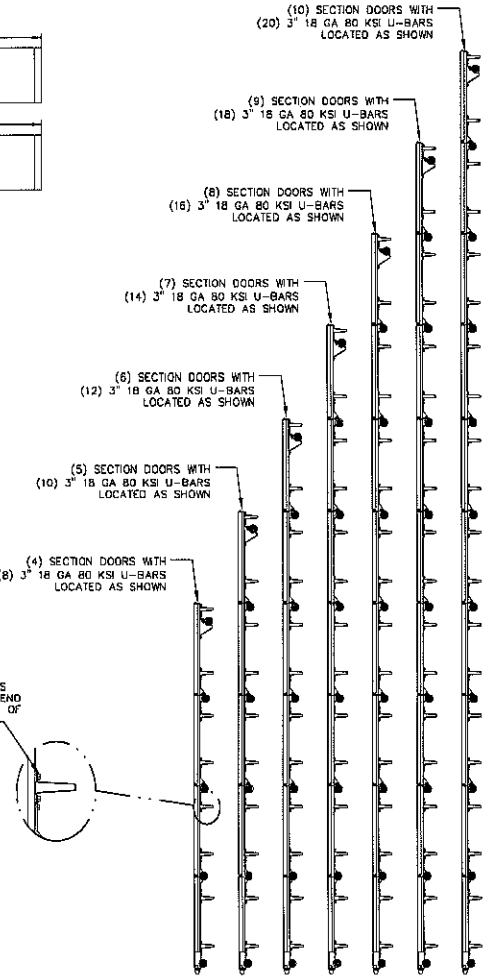
(7) SECTION DOORS WITH (14) 3" 18 GA 80 KSI U-BARS LOCATED AS SHOWN

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

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

(4) SECTION DOORS WITH (8) 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.



6/4/14

STATE OF TEXAS
MARK A SAWICKI
106291
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REF DWG	USED ON

THIRD ANGLE PROJECTION

ALL ANGLE, VALUES AND VALUES APPLY, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS

TOLERANCES UNLESS OTHERWISE SPECIFIED

HOLE DIAMETER	
UNDER .251	+.004/-.003
.251 TO .500	+.006/-.003
OVER .500	+.008/-.003
FRACTIONS	
± 1/16	

WHOLE NUMBERS:	± .25
.X	± .1
.XX	± .03
.XXX	± .010
ANGLES:	± .5°

FINISH: N/A

UNIT OF MEASURE: EACH

The Genuine. The Original. LEWISVILLE, TEXAS

MATERIAL: NONE

NAME	DATE
DRAWN BY: G. TAYLOR	10/25/13
CHECKED BY:	
APPROVED BY:	

DRAWING TITLE: SERIES 5745/5765/7565 515/525

DRAWING NUMBER: D- 411332

SCALE: N.T.S. SHEET 2 OF 2