

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 11" x 17" CUTOUT, FASTENED WITH #8 X 1" SMS: 3X ALONG THE HORIZONTAL AND 2X ALONG THE VERTICAL. SEE DETAIL J ON SHEET 2 FOR ASSEMBLY DETAILS.
2. 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.
3. KEY LOCK OR SLIDE LOCKS REQUIRED.
4. SECTION STEEL TO HAVE A MINIMUM 25 GA THICKNESS.
5. 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.
6. DOOR JAMB TO BE MINIMUM 2x6, STRUCTURAL GRADE SOUTHERN PINE. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
7. FOR LOW HEAD ROOM LIFT CONDITIONS, TOP BRACKET SHALL BE A 13 GA LHR 7/4 TOP BRACKET 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

MAX DOOR WIDTH	MAX DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)	POINT LOAD AT HEADER AND SLAB AT EACH POST LOCATION (LBS)
17'-0"	7'-0"	+185.5/-209.6	+1507.4/-1712.9
	8'-0"	+185.5/-209.6	+1704.0/-1936.3
18'-0"	7'-0"	+190.7/-215.7	+1637.0/-1850.5
	8'-0"	+190.7/-215.7	+1860.3/-2102.9

13 GA HORIZ ANGLE
13 GA FLAG ANGLE
15 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 (SEE NOTE 4). SLIDE LOCK SHOWN FOR CLARITY

NOTE: (4) SECTION SOLID DOOR SHOWN. SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES AND SEE NOTES 1 AND 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"	5	9	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), 63" (JB-US), 74-1/2" (JB-US)
8'-0"	5	9	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), 66" (JB-US), 75-1/2" (JB-US)

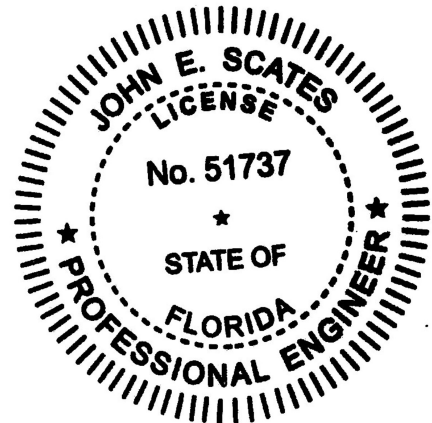
NOTE:

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

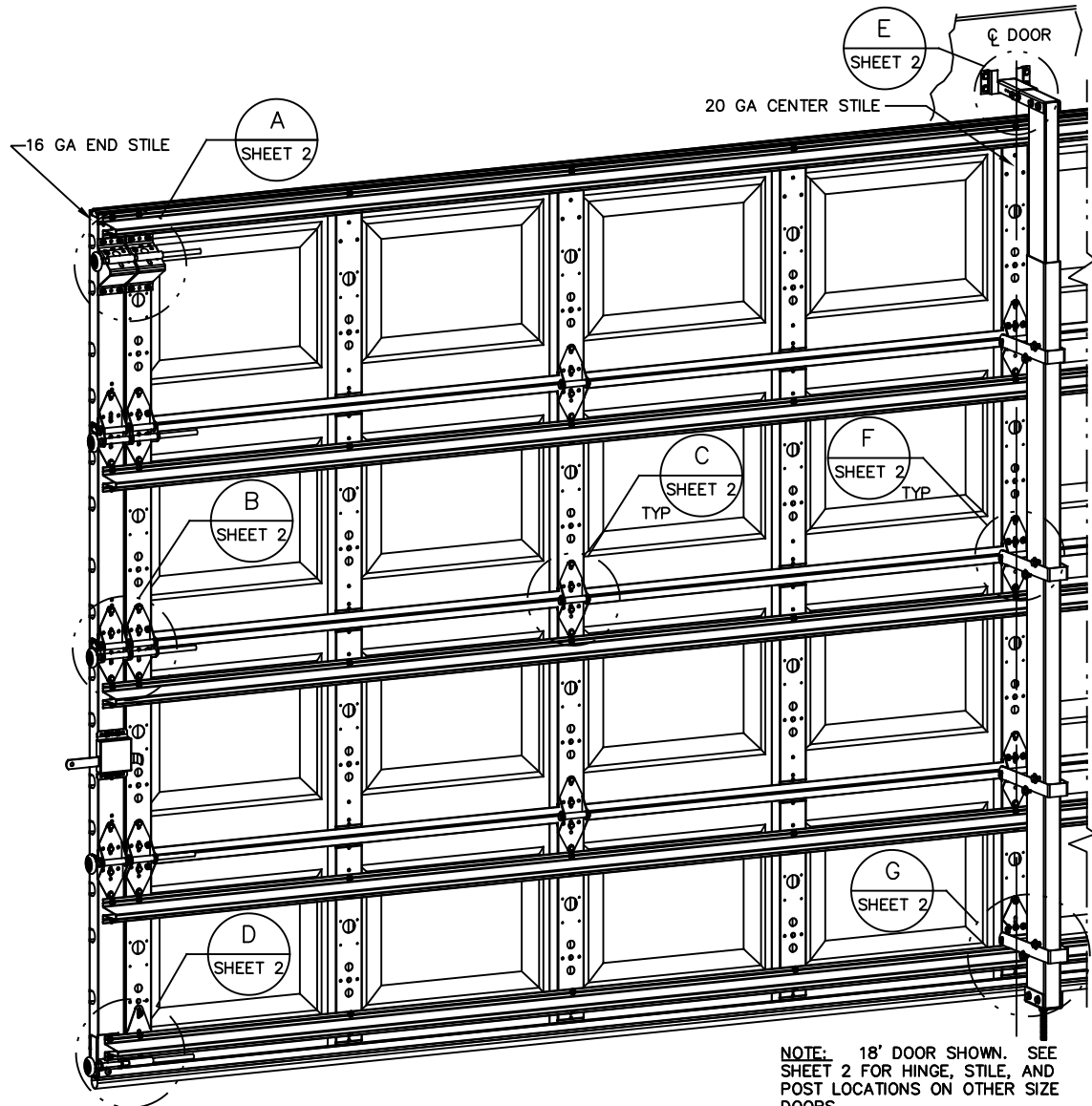
SERIES 170-177, 180-187, 1400, 1440, 1500, 1540

Digitally signed by John E Scates COMPLIES WITH THE REQUIREMENTS OF IBC/IRC 2018.
Date: 2023.10.22 17:36:52 -05'00'

JOHN E. SCATES, PE
2560 KING ARTHUR BLVD #124-54
LEWISVILLE, TX 75056
FL PE 51737
TX PE 56308/F2203



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NOTE: 18' DOOR SHOWN. SEE SHEET 2 FOR HINGE, STILE, AND POST LOCATIONS ON OTHER SIZE DOORS.

REVISIONS

ER	REV	DESCRIPTION	DATE	APPROVAL
31052	C	REV TITLE BLOCK	10/2/2017	ESC
	D	UPDATE NOTES ADD LHR DETAIL	2/13/19	ESC
	E	ADDED IRC/IBC NOTES FOR TDI	4/12/21	TLC
32769	F	UPDATED PER PCR	2/10/19	SW

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +46.0/-52.0	MAX WIDTH: 18'
IMPACT/CYCLIC RATED: YES	MAX HEIGHT: 8'
	MAX SECTION HEIGHT: 21'

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TOLERANCES UNLESS OTHERWISE SPECIFIED				HOLE DIAMETER		WHOLE NUMBERS: ± .25		UNIT OF MEASURE EACH		MATERIAL: NONE	
				UNDER .251 +.004/- .003		.XX ± .1				CHECKED BY: M. SAWICKI	
				.251 TO .500 +.006/- .003		.XXX ± .010				APPROVED BY: T. CLARK	
				OVER .500 +.008/- .003		ANGLES: ± .5°				4/12/21	
				FRACTIONS ± 1/16						SCALE: N.T.S.	
REF DWG				USED ON						SHEET 1 OF 2	

D

13 GA ROLLER SLIDE ATTACHED TO BRACKET WITH 5/16-18 BOLT & NUT IN CENTER SLOT AND 1/4-20x9/16" TRACK BOLT & 1/4-20 HEX NUT THROUGH ANY TWO ALIGNING HOLES

(2) 13 GA COMMERCIAL 'A' FRAME TOP BRACKETS EACH ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS

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

(2) 14 GA WIDE BODY END HINGES EACH ATTACHED WITH (4) 1/4-14x5/8" SELF TAPPING SCREWS

14 GA WIDE BODY INTERMEDIATE HINGE ATTACHED WITH (4) 1/4-14x5/8" SELF TAPPING SCREWS

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

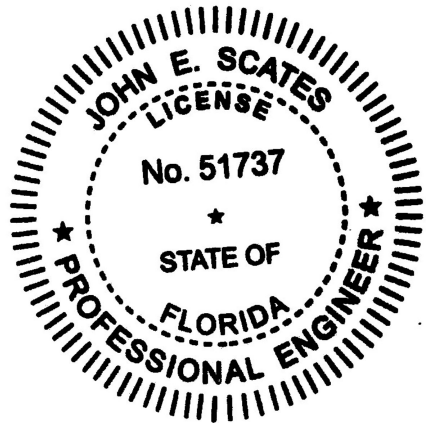
2500 PSI MIN CONCRETE

8" X 8" MIN TURNDOWN SLAB AT EDGE

8" MIN EDGE DISTANCE

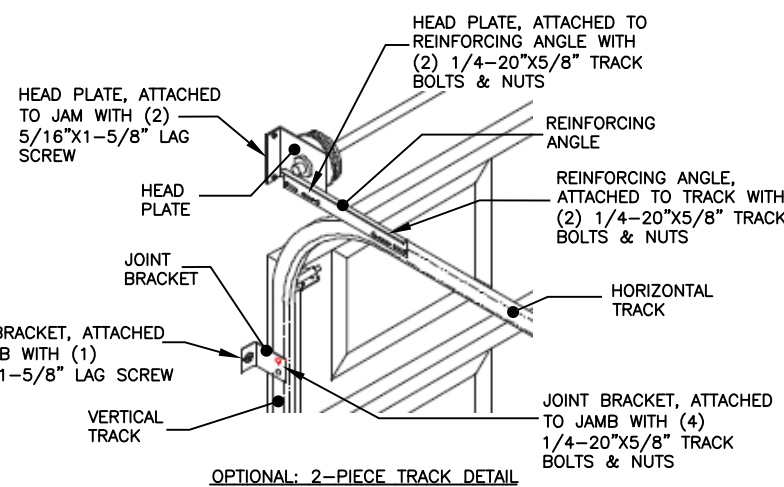
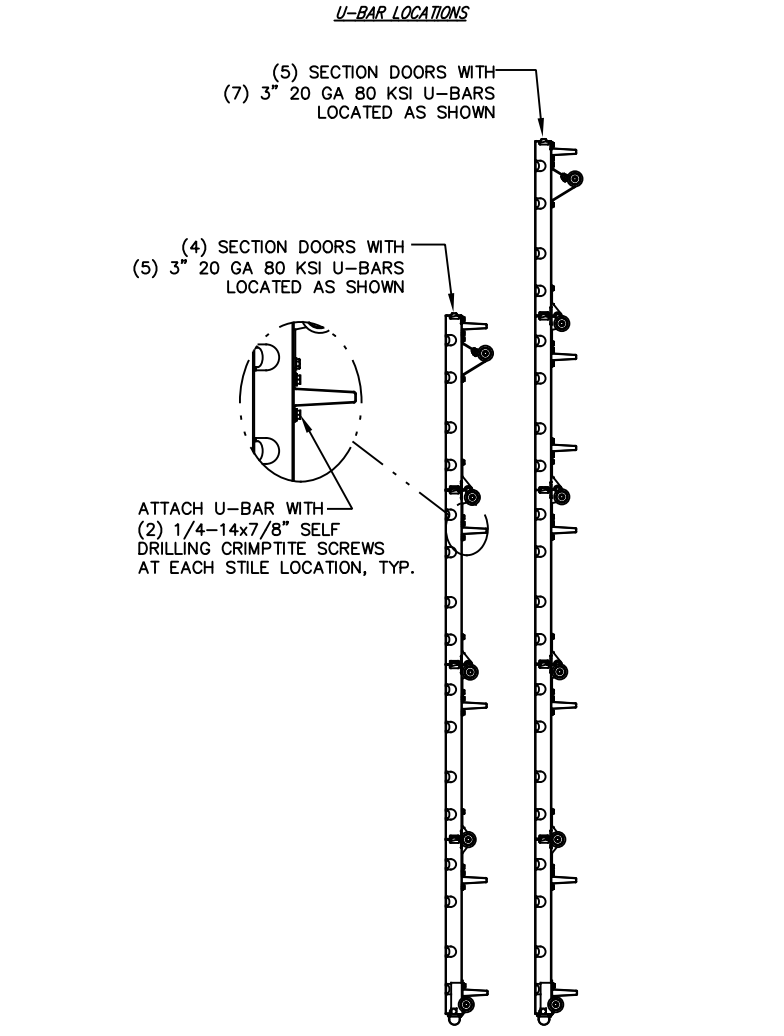
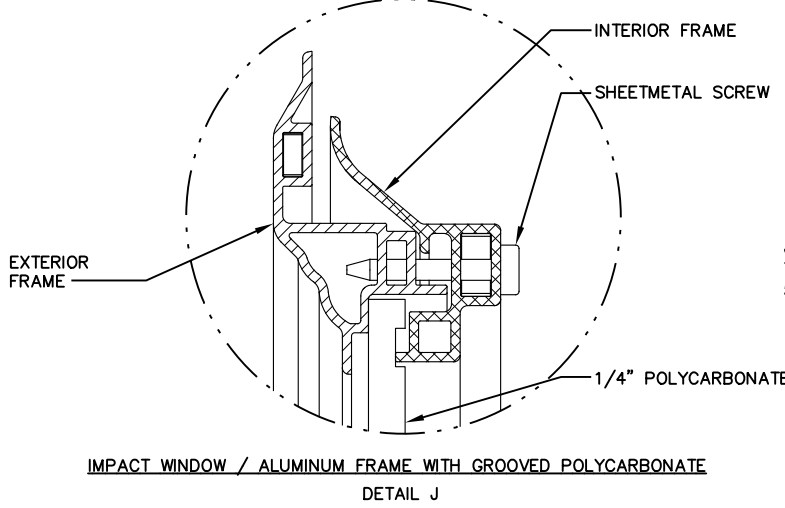
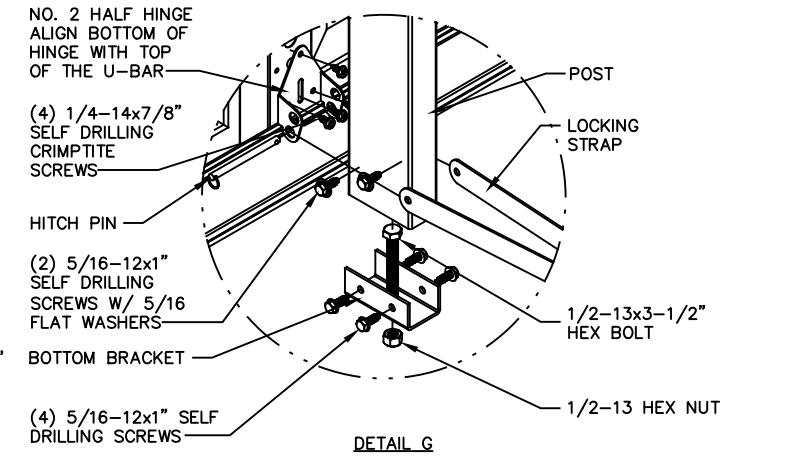
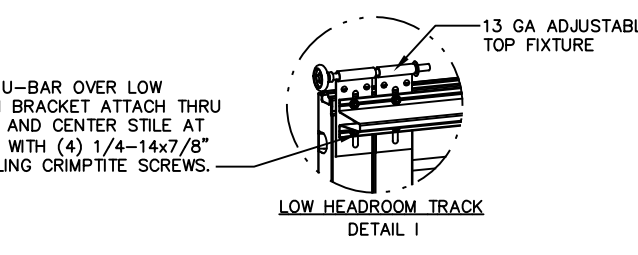
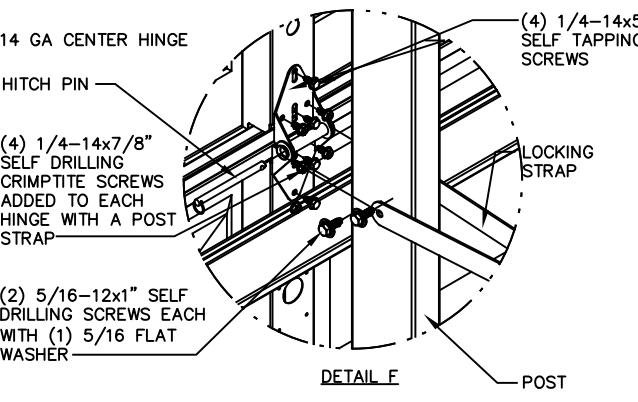
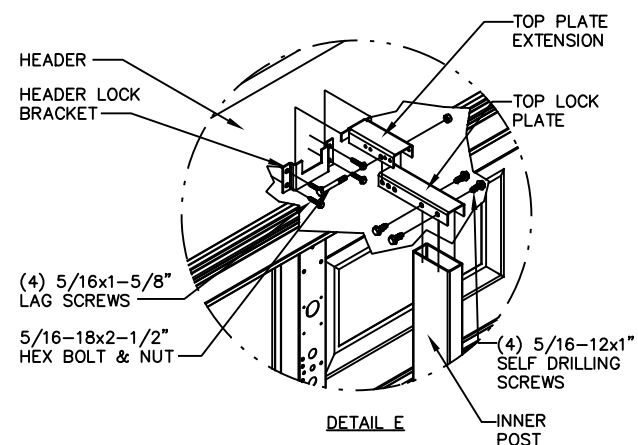
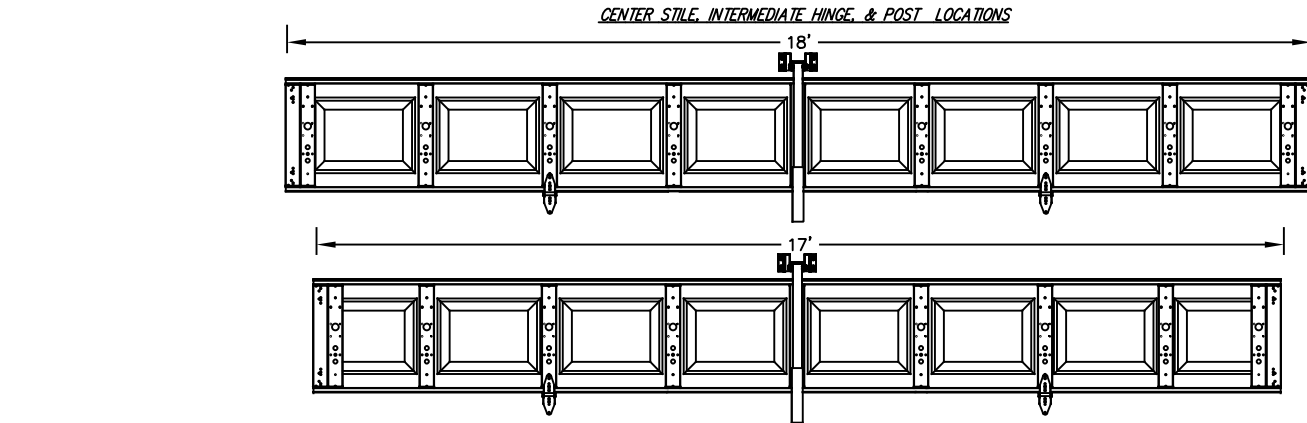
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		THIRD ANGLE PROJECTION		TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH		The Genuine. The Original.		NAME		DATE		DRAWING TITLE:			
				HOLE DIAMETER		N/A				LEWISVILLE, TEXAS		DRAWN BY: G. TAYLOR		10/15/10		SERIES 170, 180WL	
		ASME Y14.100 AND Y14.5 APPLY, UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.		WHOLE NUMBERS:		UNIT OF MEASURE		MATERIAL:		NONE		CHECKED BY: M. SAWICKI		10/25/10		WS9, 18" MAX WIDE	
				UNDER .251 +.004/-0.003		EACH						APPROVED BY: T. CLARK		4/12/21		DRAWING NUMBER D-411054	
				.251 TO .500 +.006/-0.003												SCALE: N.T.S.	
				OVER .500 +.008/-0.003												SHEET 2 OF 2	
REF DWG		USED ON		FRACTIONS													
				± 1/16													
				WHOLE ANGLES:													
				± .5°													