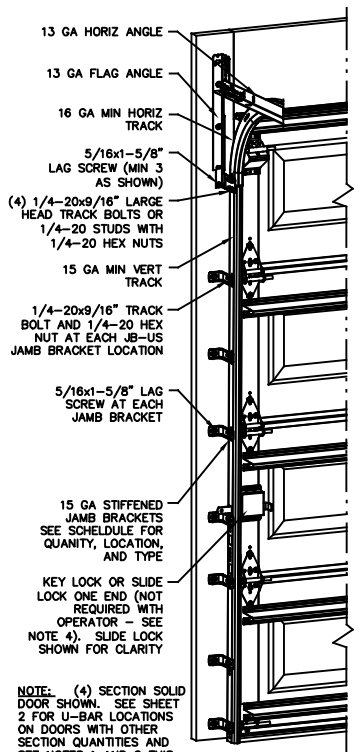
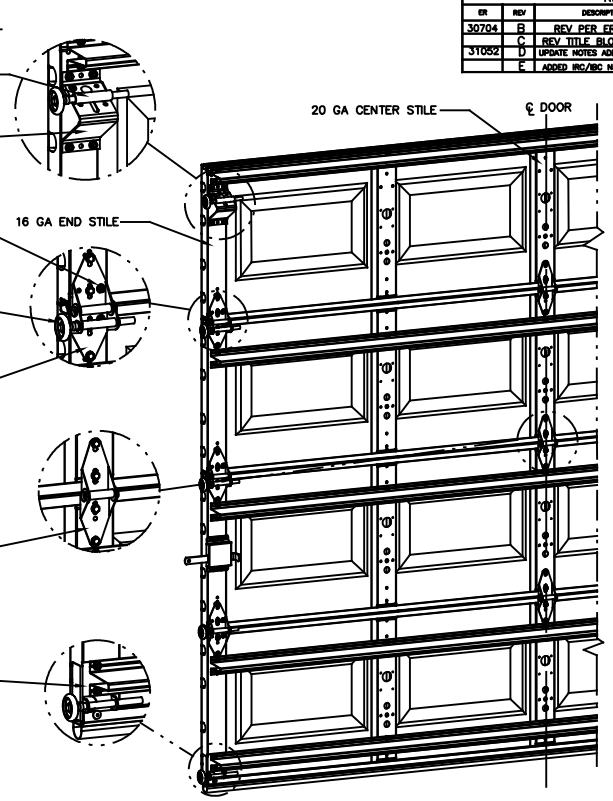


- NOTES:**
- IMPACT RESISTANT GLAZING OPTION- IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS). GLAZING SHALL BE 1/4" POLYCARBONATE, MAXIMUM GLAZING DIMENSIONS SHALL BE 11" x 17" CUTOUT, FASTENED WITH #8 x 1" SMS: 3X ALONG THE HORIZONTAL AND 2X ALONG THE VERTICAL. SEE DETAIL A ON SHEET 2 FOR ASSEMBLY DETAILS.
 - VINYL OR WOOD DOOR STOP NAILED A MAXIMUM OF 8" O.C. MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" TO MEET NEGATIVE PRESSURES.
 - KEY LOCK, SLIDE LOCK, OR OPERATOR REQUIRED.
 - SECTION STEEL TO HAVE A MINIMUM 25 GA THICKNESS.
 - 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.
 - DOOR JAMB TO BE MINIMUM 2x6, STRUCTURAL GRADE SOUTHERN PINE. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
 - 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 CRIMPITITE SCREWS IN LIEU OF THE BRACKET SHOWN ON THIS DRAWING. U-BAR ON TOP SECTION SHALL BE INSTALLED ON TOP OF LHR TOP BRACKETS.



NOTE: (4) SECTION SLID 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.

- 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
- 13 GA COMMERCIAL 'A' FRAME TOP BRACKET ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS
- ADD (2) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS (INSIDE OF EACH END HINGE)
- 2" NYLON STORMGARD ROLLER WITH 4-1/2" STEM. OPTIONAL- 11 BALL BEARING NYLON ROLLER
- 14 GA WIDE BODY END HINGE ATTACHED WITH (4) 1/4-14x5/8" SELF TAPPING SCREWS
- 16 GA NARROW BODY INTERMEDIATE HINGE ATTACHED WITH (4) 1/4-14x5/8" SELF TAPPING SCREWS
- 14 GA BOTTOM BRACKET ATTACHED WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS AND (1) 1/4-14x5/8" SELF DRILLING RED SCREW



REVISIONS				
CR	REV	DESCRIPTION	DATE	APPROVAL
30704	B	REV PER ER	11/13/12	GET
	C	REV TITLE BLOCK	10/2/2017	ESC
31052	D	UPDATE NOTES ADD LHR DETAIL	2/13/19	ESC
	E	ADD REC/IBC NOTE FOR TD	4/12/21	TLC

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE		
DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
8'-0"	ALL	+184.0/-208.0
9'-0"	ALL	+207.0/-234.0

JAMB BRACKET SCHEDULE			
DOOR HEIGHT SECTIONS	NO. OF BRACKETS	NO. OF JAMB BRACKETS (EACH JAMB)	LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2")
6'-8"	4	FAT-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	FAT-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'-8"	5	FAT-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"	5	FAT-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 AND NGR) 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.

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

COMPLIES WITH THE REQUIREMENTS OF IBC/IRC 2018.

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +46.0/-52.0	MAX WIDTH: 9'
	MAX HEIGHT: 14'
IMPACT/CYCLIC RATED: YES	MAX SECTION HEIGHT: 21'

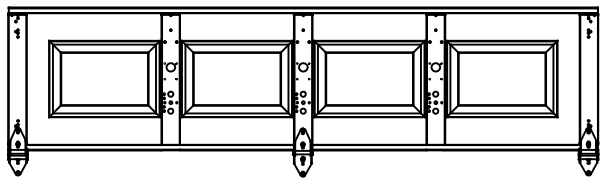
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JOHN E. SCATES, PE
2560 KING ARTHUR BLVD #124-54
LEWISVILLE, TX 75056
FL PE 51737
TX PE 56308/F2203

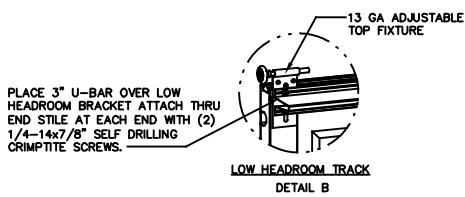
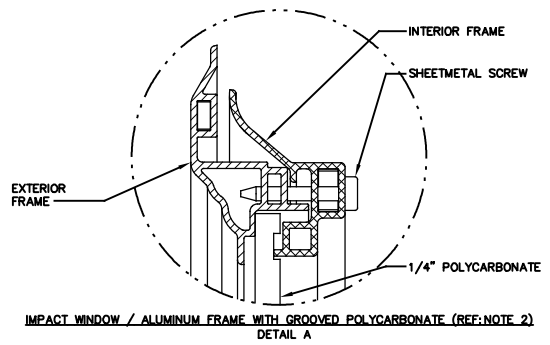
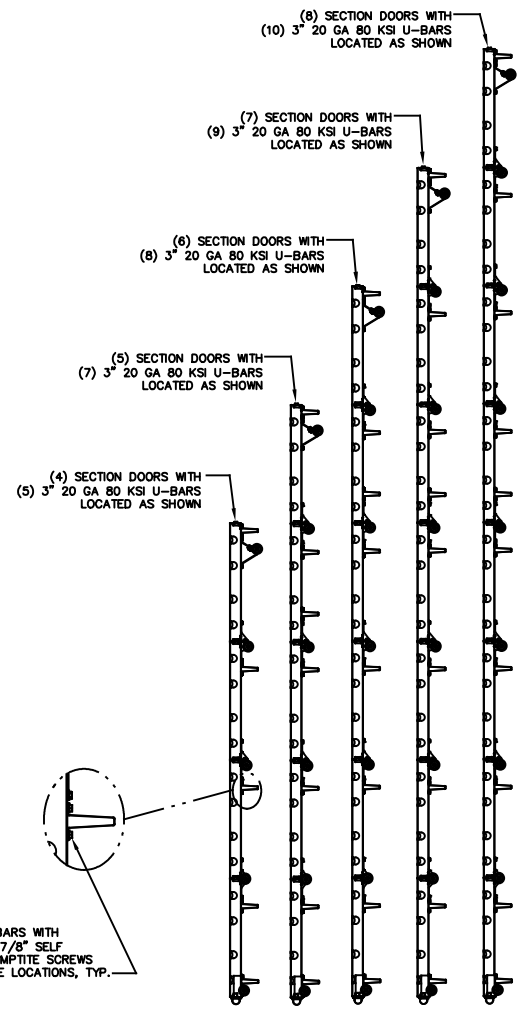
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HOLE DIAMETER UNDER .251 +.004/- .003 .251 TO .500 +.006/- .003 OVER .500 +.008/- .003	TOLERANCES UNLESS OTHERWISE SPECIFIED WHOLE NUMBERS: ± .25 .X: ± .1 .XX: ± .03 .XXX: ± .010 ANGLES: ± .5°	FINISH N/A UNIT OF MEASURE EACH	DRAWING TITLE SERIES 170, 180WL WS9, 9' MAX WIDE D-411043 SCALE: N.T.S. SHEET 1 OF 2
REF DWG	USED ON	DATE 10/15/10 10/25/10 4/12/21	DRAWN BY G. TAYLOR CHECKED BY M. SAWICKI APPROVED BY T. CLARK

NOTES:

CENTER STILE & INTERMEDIATE HINGE LOCATIONS



U-BAR LOCATIONS



ATTACH U-BARS WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPITTE SCREWS AT ALL STILE LOCATIONS, TYP.

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +46.0/-52.0	MAX WIDTH: 9'
	MAX HEIGHT: 14'
IMPACT/CYCLIC RATED: YES	MAX SECTION HEIGHT: 21'

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REF DWG	USED ON		TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH N/A	UNIT OF MEASURE EACH	MATERIAL NONE		DATE	DRAWING TITLE
			NAME	DATE						
			HOLE DIAMETER	WHOLE NUMBERS: ± .25				DESIGNED BY	10/15/10	SERIES 170, 180WL WS9, 9' MAX WIDE
			UNDER .251 +.004/- .003	.X ± .1			CHECKED BY	10/25/10	DESIGNED BY	
			.251 TO .500 +.006/- .003	.XX ± .03			DRAWN BY	4/12/21	SCALE	N.T.S. SHEET 2 of 2
			OVER .500 +.008/- .003	.XXX ± .010			APPROVED BY			
			FRACTIONS ± 1/16	ANGLES: ± .5°						

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