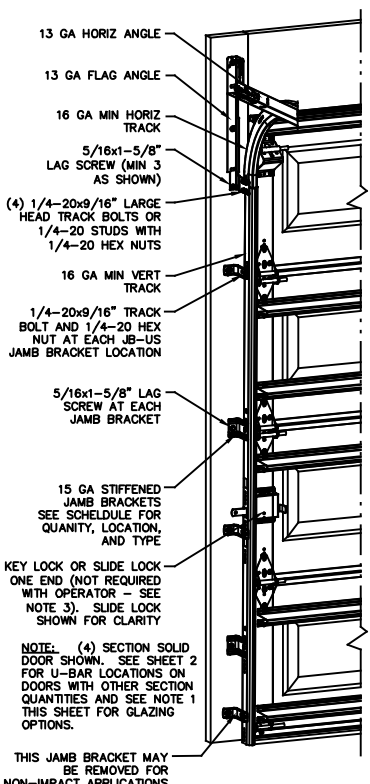
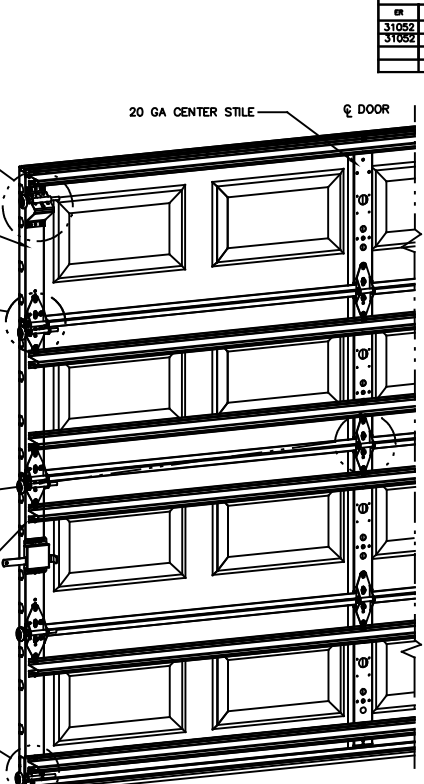


- NOTES:**
- NON IMPACT GLAZING OPTIONS:
16 X 9.75 CLEAR OPENING
36.75 X 9.75 CLEAR OPENING
GLAZING SSB (0.090") MINIMUM.
MAY INCLUDE DECORATIVE INSERTS
INSTALLED IN TOP OR INTERMEDIATE SECTION.
NOT AVAILABLE IN MORE THAN ONE SECTION.
DOES NOT SATISFY WINDBORNE-DEBRIS.
 - IMPACT GLAZING OPTION:
16.75 X 9.75 CLEAR OPENING
GLAZING 1/4" GROOVED POLYCARBONATE
ALUMINUM FRAMES WITH 10 SCREWS MAY
INCLUDE DECORATIVE INSERTS INSTALLED IN
TOP OR INTERMEDIATE SECTION.
NOT AVAILABLE IN MORE THAN ONE SECTION.
SEE ASSEMBLY DETAIL ON SHEET 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.
 - KEY LOCK, SLIDE LOCK, OR OPERATOR
REQUIRED.
 - LOUVER OPTION - .032" MINIMUM
LOUVERS IN MOLDED FRAMES SCREWED
TOGETHER WITH A MINIMUM OF (10) #8x1"
SCREWS INSTALLED IN THE BOTTOM SECTION.
LOUVERS ARE NOT IMPACT RESISTANT AND
DO NOT MEET THE REQUIREMENTS FOR
WIND-BORNE DEBRIS REGIONS.
 - 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 GRADE 2 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 CRIMPITTE
SCREWS IN LIEU OF THE BRACKET SHOWN ON
THIS DRAWING. U-BAR ON TOP SECTION
SHALL BE INSTALLED ON TOP OF LHR TOP
BRACKETS.



- 12 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
- 12 GA COMMERCIAL "A" FRAME TOP BRACKET ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITTE SCREWS
- ADD (2) 1/4-14x7/8" SELF DRILLING CRIMPITTE SCREWS (INSIDE OF EACH END HINGE)
- 2" NYLON STORMGARD ROLLER WITH 4-1/2" STEM EACH ROLLER LOCATION. OPTIONAL- 11 BALL BEARING NYLON ROLLER
- #1 HINGE IS 14 GA
#2 HINGE IS 13 GA
#3 HINGE (AND ALL ABOVE) ARE 13 GA HINGE ATTACHED WITH (4) 1/4-14x5/8" SELF TAPPING SCREWS
- 18 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 CRIMPITTE SCREWS AND (1) 1/4-14x5/8" SELF DRILLING RED SCREW. (12 GA FOR IMPACT RATED ONLY)
- 20 GA CENTER STILE @ DOOR
- 20 GA END STILE
- STRUT TO BE PLACED +/- 3" ON CENTER.



REVISIONS				
CR	REV	DESCRIPTION	DATE	APPROVAL
31052	-	REV PER ER	6/29/18	ESC
31052	A	UPDATE NOTES ADD LHR DETAIL	2/13/19	ESC
	B	ADDED IBC/IRC NOTES FOR TD	4/13/21	TLC

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
8'-0"	ALL	+124.0/-140.0
9'-0"	ALL	+139.5/-157.5

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	FAT-5	2" (JB-US), 10" (JB-US), 25-3/4" (JB-US), 39" (JB-US), 57-1/2" (JB-US)		
7'-0"	4	FAT-5	2" (JB-US), 10" (JB-US), 29-3/4" (JB-US), 47" (JB-US), 63-1/4" (JB-US)		
7'-6"	5	FAT-6	2" (JB-US), 10" (JB-US), 28-3/4" (JB-US), 45" (JB-US), 63" (JB-US), 74-1/2" (JB-US)		
8'-0"	5	FAT-6	2" (JB-US), 10" (JB-US), 29-3/4" (JB-US), 48" (JB-US), 57-1/2" (JB-US), 77-1/2" (JB-US)		
> 8'-0"			SEE NOTE BELOW		

NOTE:
FAT 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.

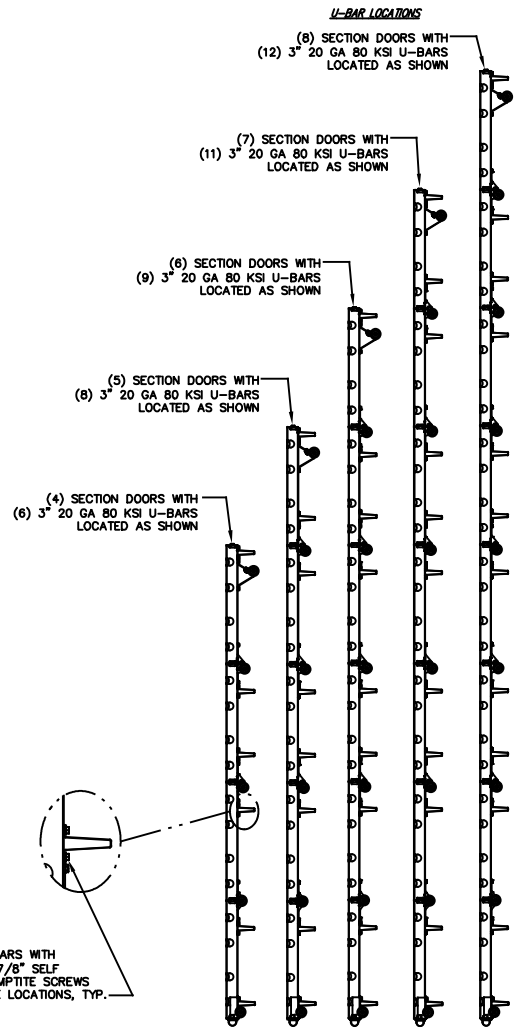
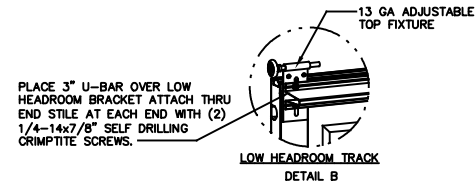
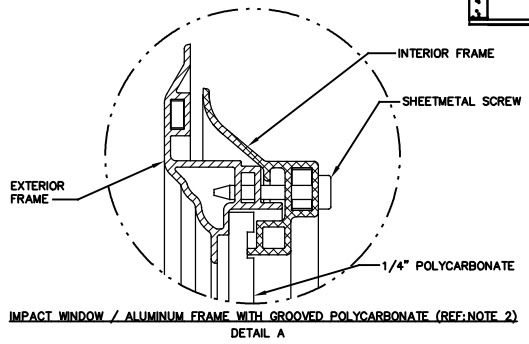
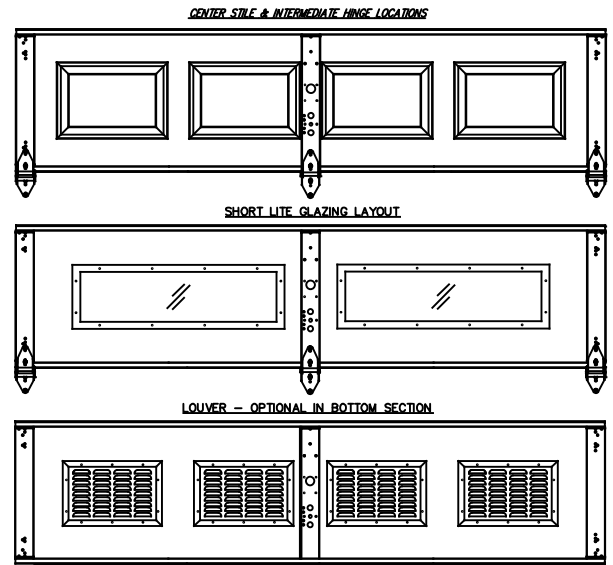
STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE (PSF): +31.0/-35.0	MAX WIDTH: 9'
	MAX HEIGHT: 14'
IMPACT/CYCLIC RATED: YES	MAX SECTION HEIGHT: 21'

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

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REF DWG	USED ON	HOLE DIMENSION	TOLERANCES UNLESS OTHERWISE SPECIFIED	FINISH	UNIT OF MEASURE	INTERVAL	ANGLE	WHOLE NUMBERS	FRACTIONS
			UNDER .251 +.004/- .003 .251 TO .500 +.006/- .003 OVER .500 +.008/- .003	N/A	EACH	NONE	± .1 ± .03 ± .010 ± .5'	± .1 ± .03 ± .010 ± .5'	± 1/16

NOTES:



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

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +31.0/-35.0	MAX WIDTH: 9'
	MAX HEIGHT: 14'
IMPACT/CYCLIC RATED: YES	MAX SECTION HEIGHT: 21'

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REF DWG	USED ON	FINISH	N/A	DATE	8/29/18	DRAWING TITLE	SERIES 170, 180WL, 9' MAX WIDE		
		UNIT OF MEASURE	EACH	CHECKED BY:	D. KORNISH	8/8/18	DESIGNER	D-411525	
		APPROVED BY:	T. CLARK	4/13/21	SCALE:	N.T.S.		SHEET 2 OF 2	