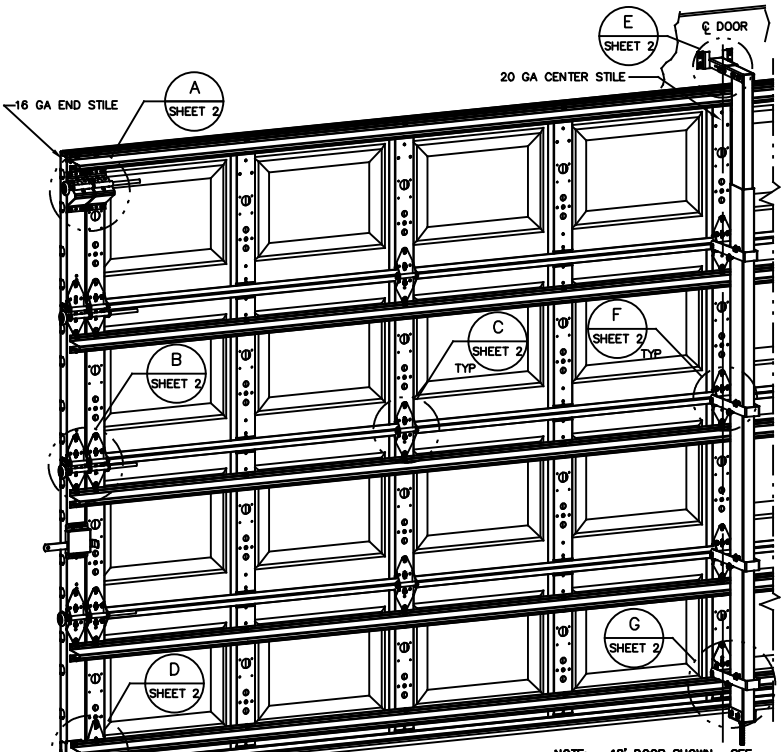
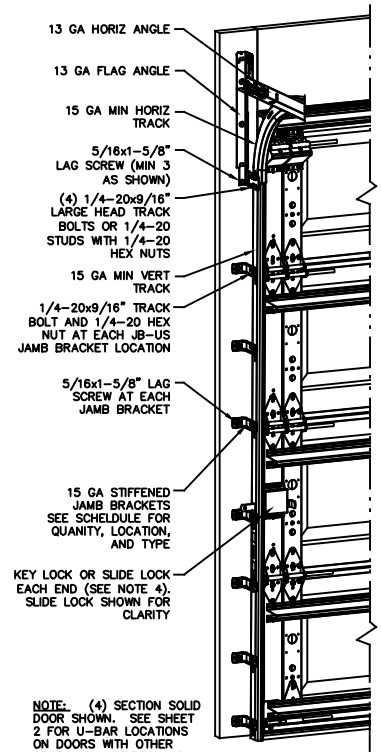


- NOTES:**
1. IMPACT RESISTANT GLAZING OPTION- IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS). GLAZING SHALL BE 1/4" POLYCARBONATE. MAXIMUM GLAZING DIMENSIONS SHALL BE 11" x 17" CUTOUT, FASTENED WITH #8 X 1" SMS; 3X ALONG THE HORIZONTAL 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"-1x7/8" SELF DRILLING GRIMPITTE 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				
REV	NO	DESCRIPTION	DATE	APPROVAL
30704	B	REV PER ER	11/13/12	GRT
	C	REV TITLE BLOCK	10/2/2017	ESC
31052	D	UPDATE NOTES ADD LHR DETAIL	2/13/19	ESC
	E	ADDED IRC/IBC NOTES FOR TD	4/12/21	TLC

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.

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

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

JAMB BRACKET SCHEDULE		
DOOR HEIGHT	NO. OF SECTIONS	NO. OF JAMB BRACKETS (EACH JAMB)
6'-6"	4	7
7'-0"	4	7
7'-6"	5	9
8'-0"	5	9

LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2")

6'-6" (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" (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" (JB-US), 10" (JB-US), 18-3/4" (JB-US), 26-3/4" (JB-US), 38" (JB-US), 45" (JB-US), 54-1/4" (JB-US), 63" (JB-US), 74-1/2" (JB-US)  
 8'-0" (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

COMPLIES WITH THE REQUIREMENTS OF IBC/IRC 2018.

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE (PSF): +46.0/-52.0	MAX WIDTH: 18" MAX HEIGHT: 8"
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	WHOLE NUMBERS: ± .25 ± .1 ± .03 FRACTIONS: ± .010 ± 1/16	FINISH	N/A	UNIT OF MEASURE	EACH	MATERIAL	NONE	DATE	10/15/10	DRAWING TITLE	SERIES 170, 180WL WS9, 18" MAX WIDE
		TOLERANCES UNLESS OTHERWISE SPECIFIED								DESIGNED BY	G. TAYLOR	SCALE	N.T.S.
		UNDER .251 +.004/- .003								CHECKED BY	M. SAWICKI	SHEET 1 OF 2	
		.251 TO .500 +.006/- .003								APPROVED BY	T. CLARK		
		OVER .500 +.008/- .003											

NOTES

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 CRIMPITITE SCREWS

ADD (2) 1/4-14x7/8" SELF DRILLING CRIMPITITE 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

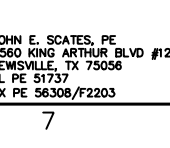
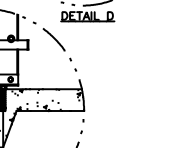
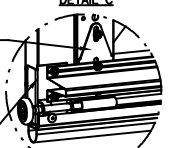
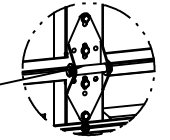
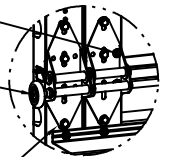
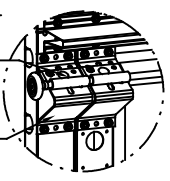
14 GA WIDE BODY INTERMEDIATE HINGE ATTACHED WITH (4) 1/4-14x5/8" SELF TAPPING SCREWS

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

14 GA BOTTOM BRACKET ATTACHED WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS THROUGH STRUT AND BOTTOM BRACKET AND (1) 1/4-14x5/8" SELF DRILLING RED SCREW

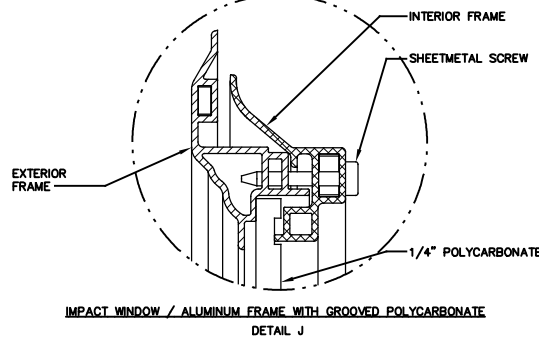
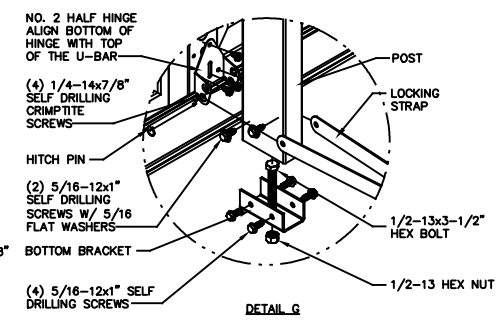
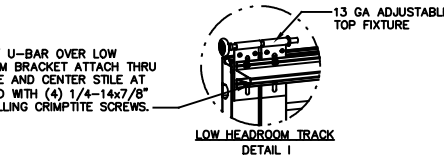
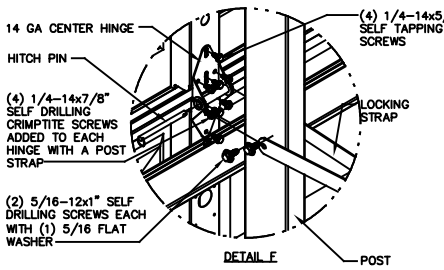
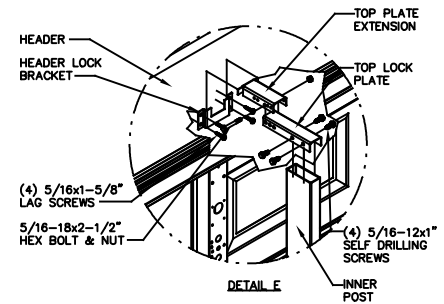
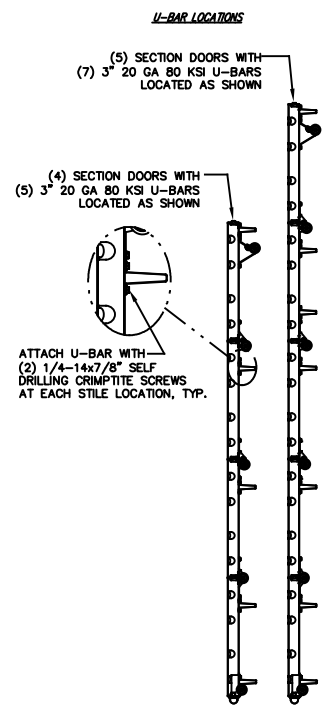
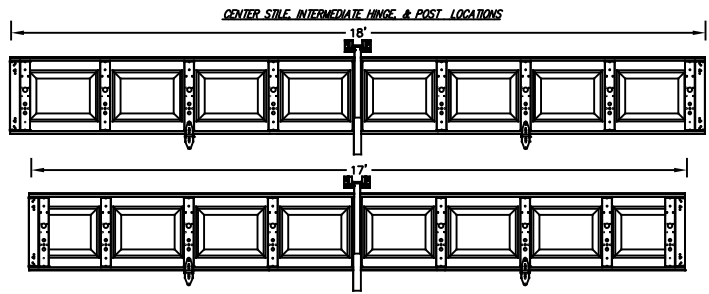
2500 PSI MIN CONCRETE

8" X 8" MIN TURNDOWN SLAB AT EDGE

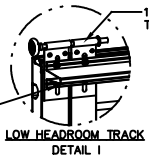


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JOHN E. SCATES, PE  
2560 KING ARTHUR BLVD #124-54  
LEWISVILLE, TX 75056  
FL PE 51737  
TX PE 56308/F2203



PLACE 3" U-BAR OVER LOW HEADROOM TRACK ATTACH THRU END STILE AND CENTER STILE AT EACH END WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITITE SCREWS.



IMPACT WINDOW / ALUMINUM FRAME WITH GROOVED POLYCARBONATE

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

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REF DWG	USED ON	TOLERANCES UNLESS OTHERWISE SPECIFIED			FINISH	INTERIOR	NAME	DATE	DRAWING TITLE
		HOLE DIAMETER	WHOLE NUMBERS	FRACTIONS					
		UNDER .251 +.004/- .003	± .25	± .1	N/A	NONE	G. TAYLOR	10/15/10	SERIES 170, 180WL
		.251 TO .500 +.006/- .003	± .1	± .03			M. SAWICKI	10/25/10	WS9, 18' MAX WIDE
		OVER .500 +.008/- .003	± .010	± .3'			T. CLARK	4/12/21	D-411054
		± 1/16							SHEET 2 OF 2