

1. 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 SERTS
INSTALLED IN TOP OR INTERMEDIATE SECTION.
NOT AVAILABLE IN MORE THAN ONE SECTION.
DOES NOT SATISFY WINDBORNE-DEBRIS.
2. IMPACT GLAZING NOT AVAILABLE.
3. 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.
4. KEY LOCK, SLIDE LOCKS, OR OPERATOR
REQUIRED.
5. 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.
6. SECTION STEEL TO HAVE A MINIMUM 25 GA
THICKNESS.
7. 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.
8. DOOR JAMB TO BE GRADE 2 SOUTHERN PINE.
REFER TO JAMB CONNECTION SUPPLEMENT FOR
ATTACHMENT TO SUPPORTING STRUCTURE.
9. 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 CRIMPITE SCREWS IN LIEU OF THE
BRACKET SHOWN ON THIS DRAWING. U-BAR ON
TOP SECTION SHALL BE INSTALLED ON TOP OF LHR
TOP BRACKETS.

13 GA HORIZ ANGLE

13 GA FLAG ANGLE

16 GA MIN HORIZ
TRACK

5/16x1-5/8"
LAG SCREW (MIN 3
AS SHOWN)

1/4-20x9/16" LARGE
HEAD TRACK BOLTS OR
1/4-20 STUDS WITH
1/4-20 HEX NUTS

16 GA MIN TRACK
VERT

1/4-20x9/16" TRACK
BOLT AND 1/4-20 HEX
NUT AT EACH JB-US
B BRACKET LOCATION

5/16x1-5/8" LAG
SCREW AT EACH
JAMB BRACKET

15 GA STIFFENED
JAMB BRACKETS
SEE SCHELDULE FOR
QUANTITY, LOCATION,
AND TYPE

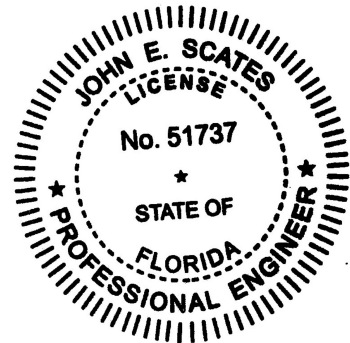
KEY LOCK OR SLIDE LOCK
EACH END (NOT REQUIRED
WITH OPERATOR - SEE
NOTE 3). SLIDE LOCK
SHOWN FOR CLARITY

NOTE: (4) SECTION SOLID DOOR SHOWN. SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES AND SEE NOTE 1 THIS SHEET FOR GLAZING OPTIONS.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE		
DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
17'-0"	ALL	+105.4/-117.3
18'-0"	ALL	+111.6/-124.2

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 $\pm 2"$)
6'-6"	4	4	FAT 10" (JB-US), 25-3/4" (JB-US), 39" (JB-US), 57-1/4" (JB-US)
7'-0"	4	4	FAT 10" (JB-US), 29-3/4" (JB-US), 42" (JB-US), 63-1/4" (JB-US)
7'-6"	5	5	FAT 10" (JB-US), 26-3/4" (JB-US), 45" (JB-US), 63" (JB-US), 74-1/2" (JB-US)
8'-0"	5	5	FAT 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

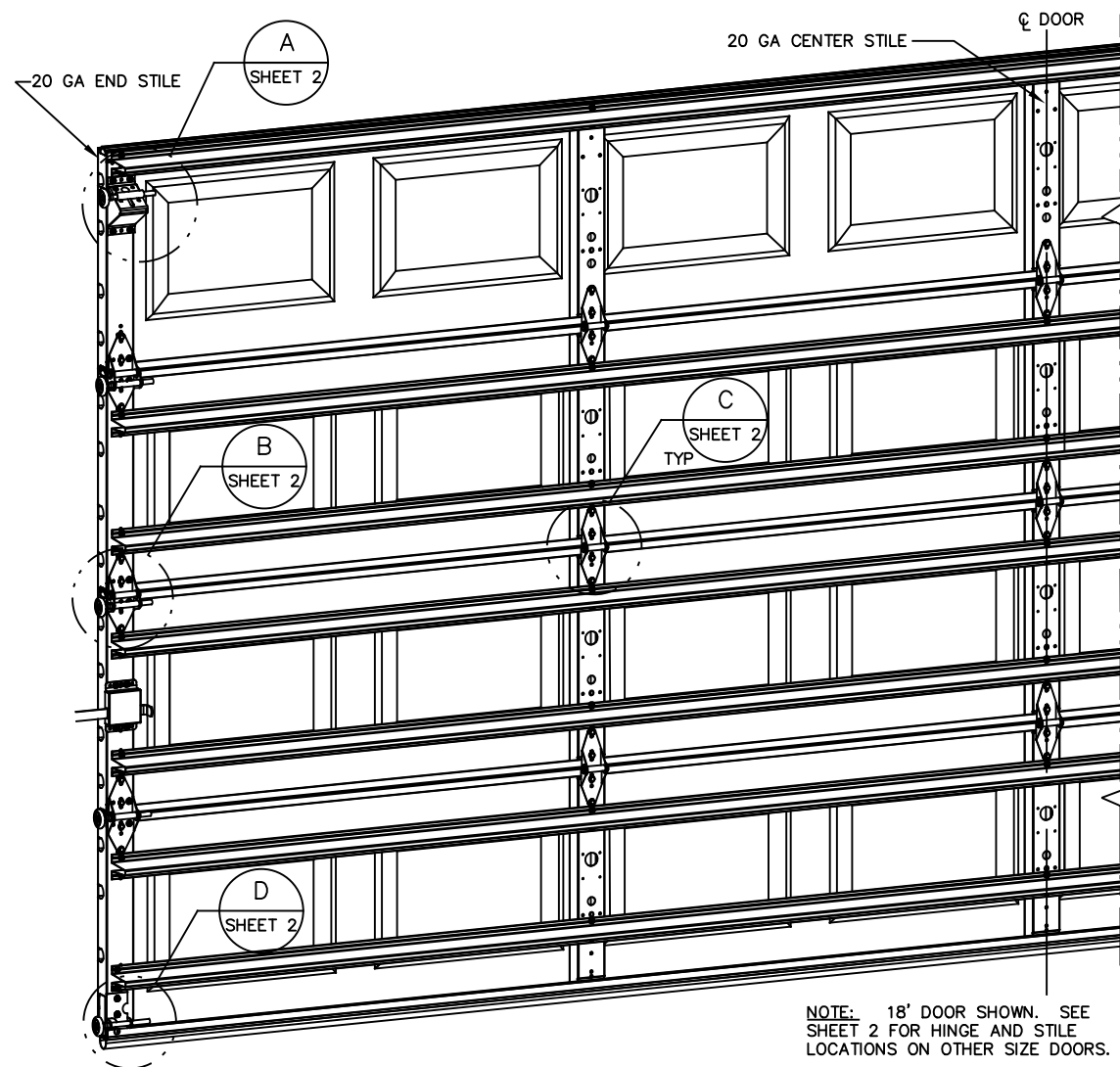
NOTE:
FAT FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4"-20x9/16" TRACK BOLT AND NUT.
ALL DOORS GREATER THAN 8' IN HEIGHT REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SUPPLEMENT TRACK CHART FOR DETAILS.



Digitally signed by John E Scates
Date: 2023.10.07 18:42:27 -05'00'

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ON ANY ELECTRONIC COPIES.

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



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

REVISIONS				
ER	REV	DESCRIPTION	DATE	APPROVAL
	C	REV TITLE BLOCK	10/2/2017	ESC
31052	D	REV PER ER	5/31/18	ESC
31052	E	UPDATE NOTES ADD LHR DETAIL	2/13/19	ESC
32769	F	UPDATED PER PCR	2/9/22	SW

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

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +12.4/-13.8	MAX WIDTH: 18'
	MAX HEIGHT: 14'
IMPACT/CYCLIC RATED: NO	MAX SECTION HEIGHT: 21"

COMPLIES WITH THE REQUIREMENTS OF IBC/IRC 2018.

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			TOLERANCES UNLESS OTHERWISE SPECIFIED				FINISH		LEWISVILLE, TEXAS	NAME	DATE	DRAWING TITLE:		
			HOLE DIAMETER				N/A			DRAWN BY:		SERIES 170, 180WL		
			UNDER .251 +.004/- .003				WHOLE NUMBERS: ± .25			G. TAYLOR	10/15/10	WS1, 18' MAX WIDE		
			.251 TO .500 +.006/- .003				.X ± .1							
			OVER .500 +.008/- .003				.XX ± .03	UNIT OF MEASURE		CHECKED BY:				
							.XXX ± .010		MATERIAL:	M. SAWICKI	10/25/10	DRAWING NUMBER		
			FRACTIONS				ANGLES: ± .5°	EACH	NONE	APPROVED BY:		D-411050		
			± 1/16							F. TJONG	11/23/10	SCALE: N.T.S. SHEET 1 of 2		
REF DWG	USED ON		ASME Y14.100 AND Y14.5 APPLY, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.											

