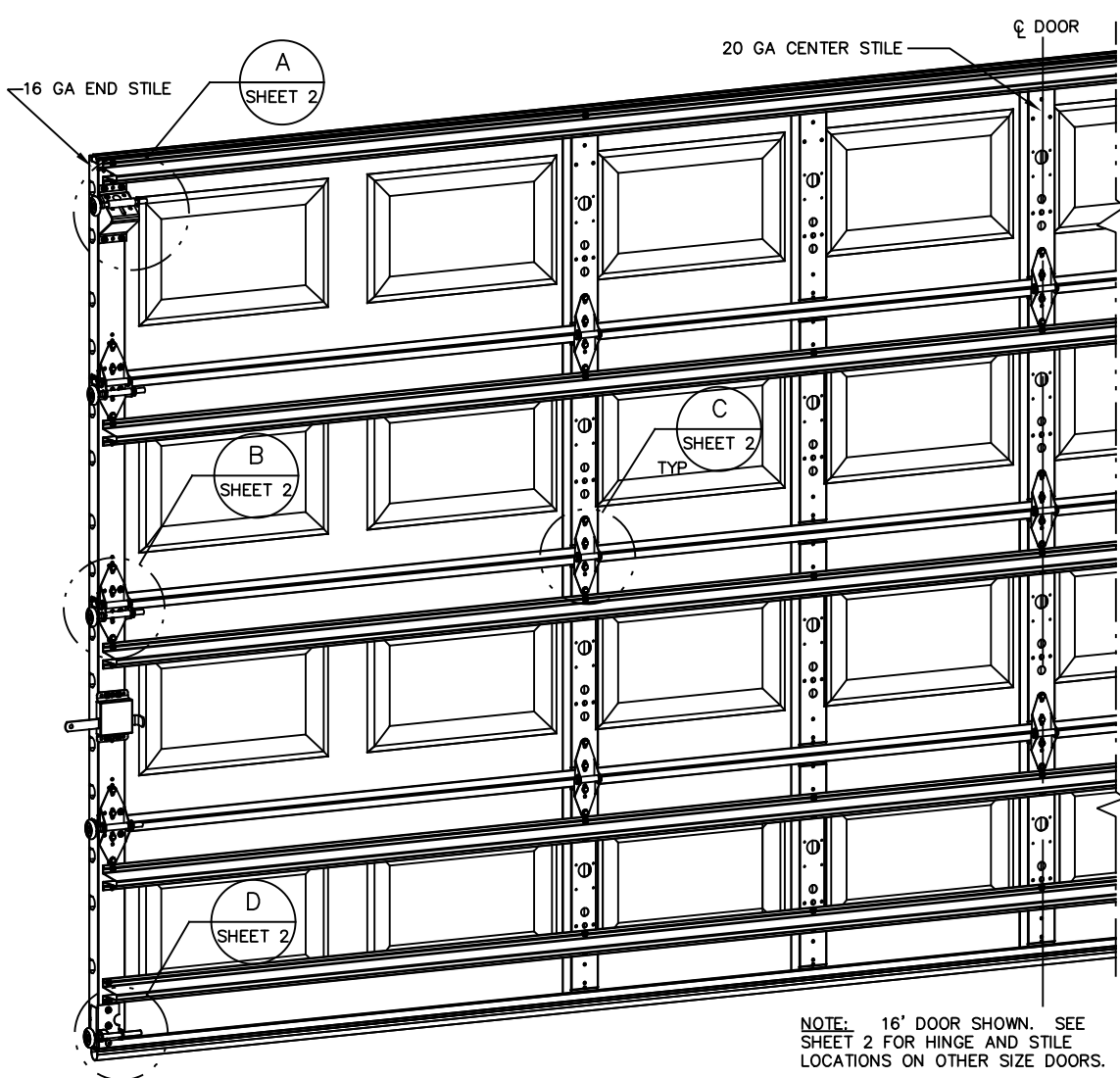


- NOTES:
- NON IMPACT GLAZING OPTIONS:
 - 16 X 9.75 CLEAR OPENING INSTALLED TOP OR INTERMEDIATE SECTION.
 - 36.75 X 9.75 CLEAR OPENING INSTALLED IN TOP SECTION ONLY.GLAZING SSB (0.090") MINIMUM. MAY INCLUDE DECORATIVE INSERTS NOT AVAILABLE IN MORE THAN ONE SECTION. DOES NOT SATISFY WINDBORNE-DEBRIS.
 - IMPACT GLAZING NOT AVAILABLE.
 - 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 LOCKS, 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 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.

- 13 GA HORIZ ANGLE
- 13 GA FLAG ANGLE
- 16 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
- 16 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 (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)
10'-0"	ALL	+76.5/-85.0
12'-0"	ALL	+91.8/-102.0
14'-0"	ALL	+107.1/-119.0
15'-0"	ALL	+114.8/-127.5
16'-0"	ALL	+122.4/-136.0

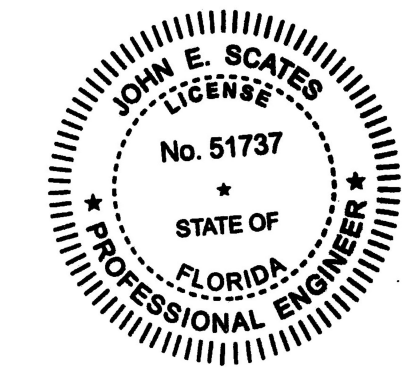
JAMB BRACKET SCHEDULE

DOOR HEIGHT	NO. OF SECTIONS	NO. OF JAMB BRACKETS (EACH JAMB)	TRACK TYPE	LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 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.

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

COMPLIES WITH THE REQUIREMENTS OF IBC/IRC 2018.



Digitally signed by John E Scates
Date: 2023.10.09 11:07:12 -05'00'

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

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

THE DRAWINGS AND ALL OTHER INFORMATION CONTAINED HEREIN ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF OVERHEAD DOOR CORPORATION AND ITS AFFILIATED COMPANIES. THIS DRAWING AND INFORMATION, IN WHOLE OR IN PART, MAY NOT BE COPIED IN ANY MANNER OR DISCLOSED TO ANYONE WITHOUT THE PRIOR WRITTEN CONSENT OF OVERHEAD DOOR CORPORATION. NO DISCLOSURE OF ANY OF THIS DRAWING OR INFORMATION IS INTENDED TO OPERATE AS A LICENSE OR AUTHORIZATION TO USE IT FOR ANY PURPOSE WITHOUT THE SPECIFIC WRITTEN CONSENT OF OVERHEAD DOOR CORPORATION.																					
REF DWG		USED ON		 THIRD ANGLE PROJECTION		TOLERANCES UNLESS OTHERWISE SPECIFIED				FINISH		The Genuine. The Original.		NAME		DATE		DRAWING TITLE:			
						HOLE DIAMETER				WHOLE NUMBERS:		N/A		 LEWISVILLE, TEXAS		DRAWN BY:		10/15/10		SERIES 170, 180WL	
						UNDER .251 +.004/- .003				± .25		UNIT OF MEASURE				CHECKED BY:		10/25/10		WS6, 16' MAX WIDE	
						.251 TO .500 +.006/- .003				.X ± .1		MATERIAL:				M. SAWICKI		D-411045			
						OVER .500 +.008/- .003				.XX ± .03		NONE				APPROVED BY:					
				FRACTIONS				.XXX ± .010				F. TJONG		11/23/10		SCALE: N.T.S.		SHEET 1 OF 2			
				± 1/16				ANGLES: ± .5°		EACH											

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	REV PER PCR	2/10/22	SW

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): +15.3/-17.0	MAX WIDTH: 16'
IMPACT/CYCLIC RATED: NO	MAX HEIGHT: 14'
	MAX SECTION HEIGHT: 21"

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

13 GA COMMERCIAL 'A' FRAME TOP BRACKET ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS

ADD (2) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS (INSIDE OF EACH END HINGE)

2" NYLON STORMGARD ROLLER WITH 4-1/2" STEM EACH ROLLER LOCATION. OPTIONAL- 11 BALL BEARING NYLON ROLLER. 7/16" PUSHNUT AT EACH ROLLER LOCATION. 1/4" MAX BETWEEN PUSHNUT AND BRACKET OR HINGE

14 GA WIDE BODY END 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 CRIMPTITE SCREWS AND (1) 1/4-14x5/8" SELF DRILLING RED SCREW

DETAIL A

DETAIL B

DETAIL C

DETAIL D

PLACE 3" U-BAR OVER LOW HEADROOM BRACKET ATTACH THRU END STILE AT EACH END WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS.

LOW HEADROOM TRACK
DETAIL E

13 GA ADJUSTABLE TOP FIXTURE

HEAD PLATE, ATTACHED TO JAMB WITH (2) 5/16"x1-5/8" LAG SCREW

JOINT BRACKET, ATTACHED TO JAMB WITH (1) 5/16"x1-5/8" LAG SCREW

VERTICAL TRACK

HEAD PLATE, ATTACHED TO REINFORCING ANGLE WITH (2) 1/4-20"x5/8" TRACK BOLTS & NUTS

REINFORCING ANGLE

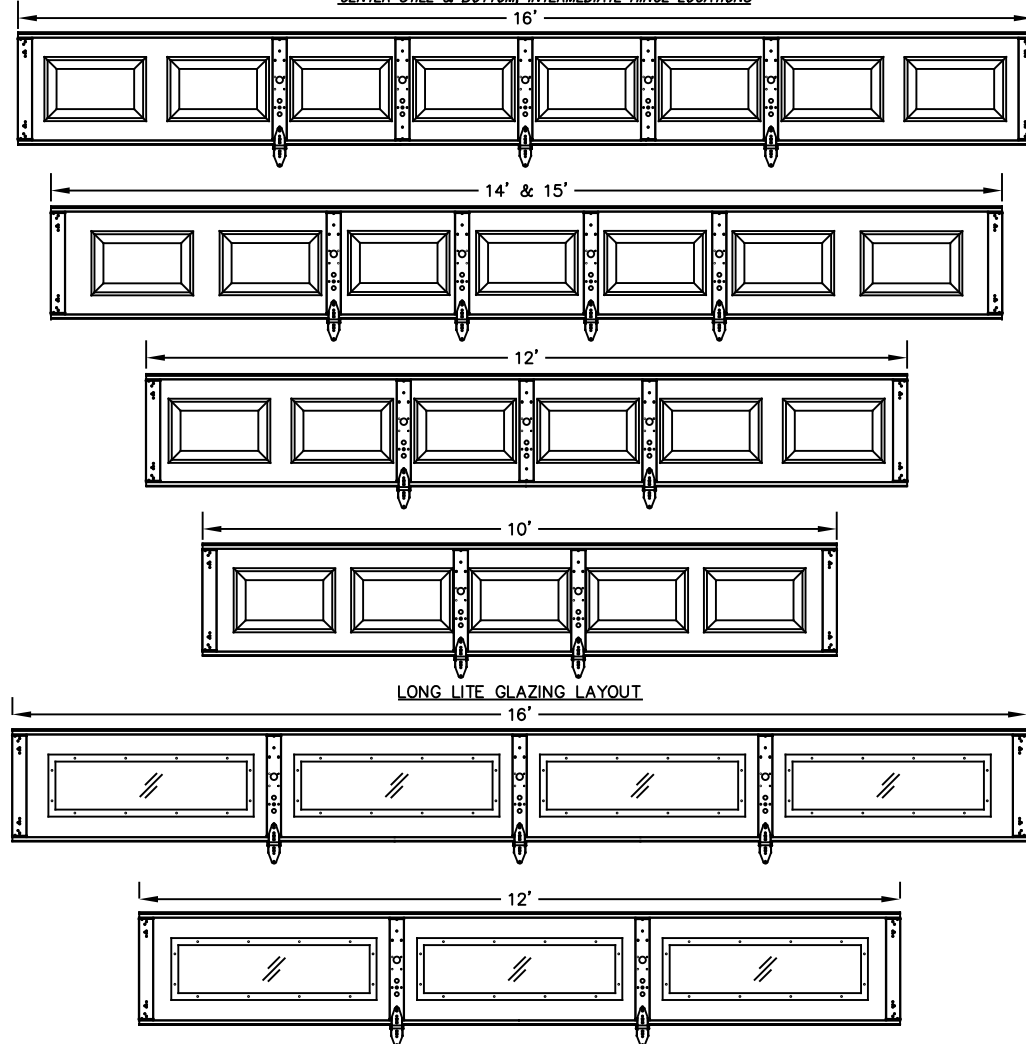
REINFORCING ANGLE, ATTACHED TO TRACK WITH (2) 1/4-20"x5/8" TRACK BOLTS & NUTS

HORIZONTAL TRACK

JOINT BRACKET, ATTACHED TO JAMB WITH (4) 1/4-20"x5/8" TRACK BOLTS & NUTS

OPTIONAL: 2-PIECE TRACK DETAIL

CENTER STILE & BOTTOM INTERMEDIATE HINGE LOCATIONS



LONG LITE GLAZING LAYOUT

U-BAR LOCATIONS

(8) SECTION DOORS WITH (10) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

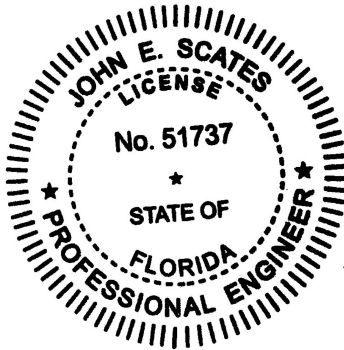
(7) SECTION DOORS WITH (9) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(6) SECTION DOORS WITH (8) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(5) SECTION DOORS WITH (7) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(4) SECTION DOORS WITH (5) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

ATTACH U-BAR WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS AT EACH STILE LOCATION, TYP.



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

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE DRAWINGS AND ALL OTHER INFORMATION CONTAINED HEREIN ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF OVERHEAD DOOR CORPORATION AND ITS AFFILIATED COMPANIES. THIS DRAWING AND INFORMATION, IN WHOLE OR IN PART, MAY NOT BE COPIED IN ANY MANNER OR DISCLOSED TO ANYONE WITHOUT THE PRIOR WRITTEN CONSENT OF OVERHEAD DOOR CORPORATION. NO DISCLOSURE OF ANY OF THIS DRAWING OR INFORMATION IS INTENDED TO OPERATE AS A LICENSE OR AUTHORIZATION TO USE IT FOR ANY PURPOSE WITHOUT THE SPECIFIC WRITTEN CONSENT OF OVERHEAD DOOR CORPORATION.

TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH	UNIT OF MEASURE	MATERIAL	NAME	DATE	DRAWING TITLE
REF DWG	USED ON						
		HOLE DIAMETER					
		UNDER .251 +.004/-0.003	WHOLE NUMBERS: ± .25				
		.251 TO .500 +.006/-0.003	.X ± .1				
		OVER .500 +.008/-0.003	.XX ± .03				
		FRACTIONS	.XXX ± .010				
		± 1/16	ANGLES: ± .5°				
		THIRD ANGLE PROJECTION					
		ASME Y14.100 AND Y14.5 APPLY, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.					
		THE GENUINE. THE ORIGINAL.					
		OVERHEAD DOOR					
		LEWISVILLE, TEXAS					
		NONE					
		DESIGN PRESSURE(PSF): +15.3/-17.0					
		IMPACT/CYCLIC RATED: NO					
		MAX WIDTH: 16'					
		MAX HEIGHT: 14'					
		MAX SECTION HEIGHT: 21'					
		SERIES 170, 180WL					
		WS6, 16' MAX WIDE					
		D-411045					
		N.T.S.					
		SHEET 2 OF 2					