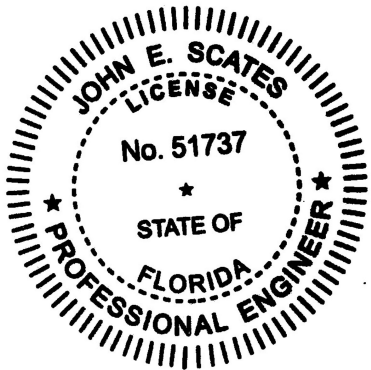


NOTES:

1. NON IMPACT GLAZING OPTIONS:
A. 16 X 9.75 CLEAR OPENING INSTALLED TOP OR INTERMEDIATE SECTION.
GLAZING SSB (0.090") MINIMUM.
MAY INCLUDE DECORATIVE INSERTS
NOT AVAILABLE IN MORE THAN ONE SECTION.
DOES NOT SATISFY WINDBORNE-DEBRIS.
2. 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.
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 MINIMUM 2" X 6", 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.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
10'-0"	ALL	+150.0/-167.5
12'-0"	ALL	+180.0/-201.0
14'-0"	ALL	+210.0/-234.5
15'-0"	ALL	+225.0/-251.3
16'-0"	ALL	+240.0/-268.0



Digitally signed by John E Scates

Date: 2023.10.07 18:45:29 -05'00'

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

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.

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	6	QI	2" (JB-US), 14" (QI), 23-1/2" (JB-US), 34" (JB-US), 44" (QI), 56" (JB-US)	
6'-6"	4	6	FAT	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/4" (JB-US)	
7'-0"	4	6	QI	2" (JB-US), 14" (QI), 25-1/2" (JB-US), 34" (JB-US), 44" (QI), 63-1/4" (JB-US)	
7'-0"	4	6	FAT	2" (JB-US), 10" (JB-US), 25-3/4" (JB-US), 36" (JB-US), 52-1/2" (JB-US), 63-1/4" (JB-US)	
7'-6"	5	8	QI	2" (JB-US), 14" (QI), 24-1/2" (JB-US), 32-1/2" (JB-US), 43" (QI), 49" (JB-US), 62-1/2" (QI), 72" (JB-US)	
7'-6"	5	8	FAT	2" (JB-US), 10" (JB-US), 22-3/4" (JB-US), 36" (JB-US), 45" (JB-US), 54-1/4" (JB-US), 63" (JB-US), 74-1/2" (JB-US)	
8'-0"	5	8	QI	2" (JB-US), 14" (QI), 23" (JB-US), 34" (JB-US), 46" (QI), 58" (JB-US), 66-1/2" (QI), 75-1/2" (JB-US)	
8'-0"	5	8	FAT	2" (JB-US), 10" (JB-US), 25-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/2" (JB-US), 66" (JB-US), 75-1/2" (JB-US)	
> 8'-0"				SEE NOTE BELOW	

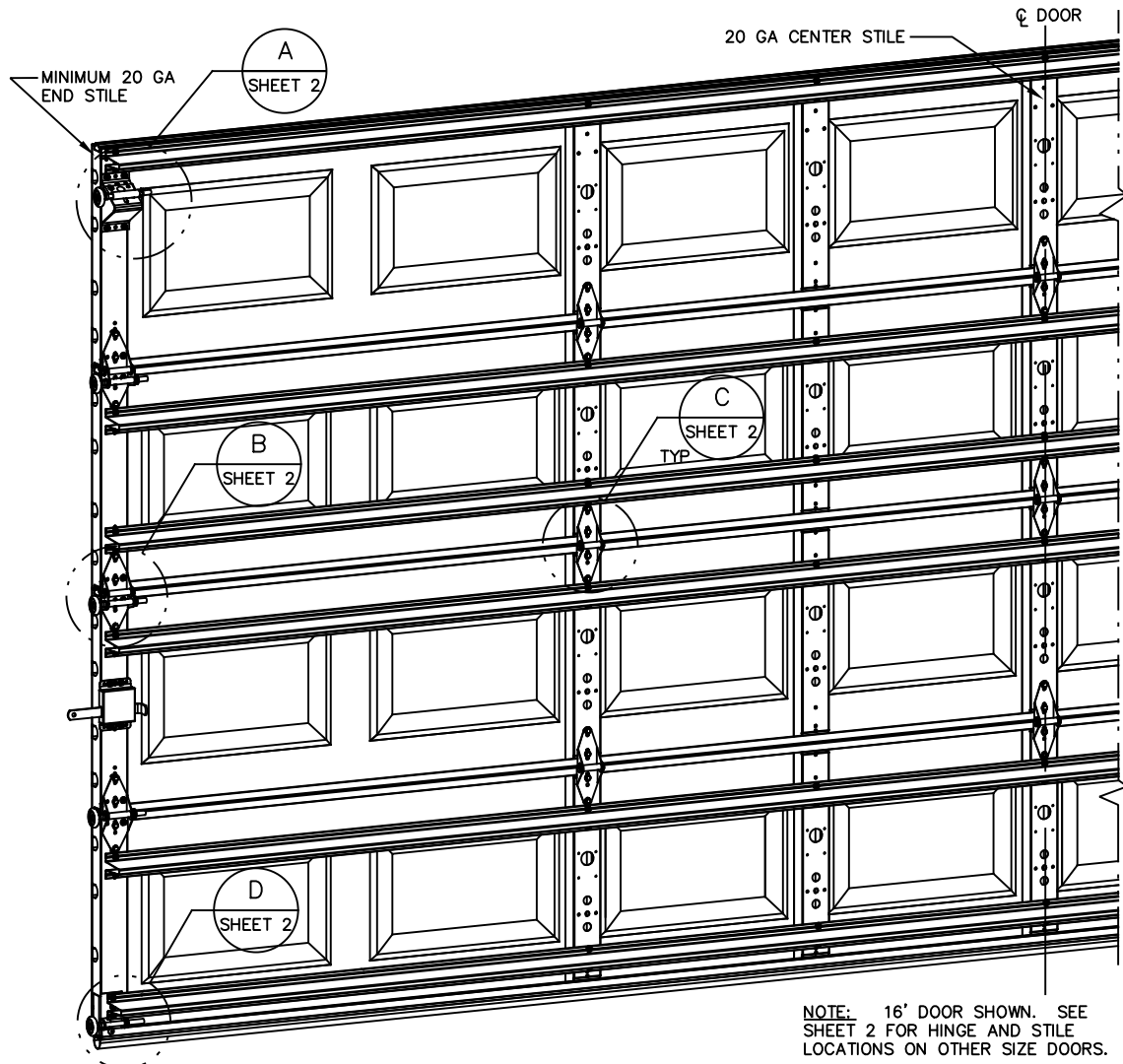
NOTE:
(JB-US) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4-20x9/16" TRACK BOLT AND NUT.
(QI) FOLLOWING DIMENSION DENOTES QUICK INSTALL JAMB BRACKET INSTALLED IN BUTTERFLY SLOT. NO ADDITIONAL HARDWARE NEEDED TO ATTACH TO TRACK.
ALL DOORS GREATER THAN 8' IN HEIGHT REQUIRE 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.

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REVISIONS				
ER	REV	DESCRIPTION	DATE	APPROVAL
31052	D	REV PER ER	9/25/18	ESC
31052	E	UPDATE NOTES ADD LHR DETAIL	2/13/19	ESC
	F	ADDED IRC/IBC NOTES FOR TDI	4/12/21	TLC
32769	G	UPDATED PER PCR	2/10/22	SW



NOTE: 16' DOOR SHOWN. SEE SHEET 2 FOR HINGE AND STILE LOCATIONS ON OTHER SIZE DOORS.

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

#1 HINGE IS 14 GA
#2 HINGE IS 13 GA
#3 HINGE (AND ALL ABOVE)
ARE 13 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 (4)
1/4-14x7/8" SELF DRILLING
CRIMPTITE SCREWS (2) OF
WHICH IS THROUGH STRUT AND
AND (1) 1/4-14x5/8" SELF
DRILLING RED SCREW _____

DETAIL A

DETAIL B

DETAIL C

DETAIL D

EXTERIOR
FRAME —

CENTER STILE & BOTTOM, INTERMEDIATE HINGE LOCATIONS



16'

Technical drawing of a wooden door. The door is 14' & 15' wide and 4' high. It features six rectangular panels arranged in two rows of three. The panels are separated by raised stiles. The door is shown with four hinges on the right side. The drawing is labeled with dimensions and a scale of 1/4" = 1'-0".

This elevation drawing shows a long, low wooden cabinet, 12 feet in total length. It features six drawers arranged in a row, separated by three doors. Each drawer has a recessed front panel with a central rectangular handle cutout. The doors also have recessed panels. The cabinet is shown in a perspective view, with a top rail and a base rail. The overall style is traditional and functional.

This elevation drawing shows a long, low wooden cabinet, 10 feet in length. It features five drawers on the left side and two doors on the right side. The drawers are arranged in a row, with the first drawer on the far left and the last drawer on the far right. The doors are located between the drawers. The cabinet has a simple, functional design with visible wood grain and hardware.

LOUVER - OPTIONAL IN BOTTOM SECTION

The elevation shows a long horizontal section of a building facade. It features eight rectangular windows, each containing multiple horizontal louvers. The windows are separated by vertical mullions. Above the windows, there are smaller, narrower rectangular sections, also labeled as "LOUVER - OPTIONAL IN BOTTOM SECTION". A dimension line at the top indicates a total width of 16'.

This elevation drawing shows a 12-foot long wall. It features six windows, each 4 feet wide and 4 feet high, and two doors, each 4 feet wide and 8 feet high. The windows are arranged in a row, with two doors placed between them. The wall is 12 feet long, as indicated by the dimension line at the top.

—INTERIOR FRAME

→ SHEETMETAL SCREW

IMPACT WINDOW / ALUMINUM FRAME WITH GROOVED POLYCARBONATE
DETAIL E

—13 GA ADJUSTABLE
TOP FIXTURE

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 F

HEAD PLATE, ATTACHED
TO JAM WITH (2) —
5/16"X1-5/8" LAG
SCREW

HEAD
PLATE

JOINT _
BRACKET

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

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

OPTIONAL: 2-PIECE TRACK DETAIL

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

U-BAR LOCATIONS

(8) SECTION DOORS WITH
(12) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

(7) SECTION DOORS WITH
(11) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

(6) SECTION DOORS WITH
(9) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

(5) SECTION DOORS WITH
(8) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

(4) SECTION DOORS WITH
(6) 3" 18 GA 80 KSI
U-BARS LOCATED
AS SHOWN

A circular professional engineer seal for John E. Scates. The outer ring contains the text "JOHN E. SCATES" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring is a dashed circle containing the word "LICENSE" at the top, "No. 51737" in the center, a single star below the number, and "STATE OF FLORIDA" at the bottom. The entire seal is surrounded by a series of short, parallel black lines.

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		 THIRD ANGLE PROJECTION		TOLERANCES UNLESS OTHERWISE SPECIFIED HOLE DIAMETER UNDER .251 +.004/- .003 .251 TO .500 +.006/- .003 OVER .500 +.008/- .003		WHOLE NUMBERS: ± .25 .X ± .1 .XX ± .03 .XXX ± .010 ANGLES: ± .5°		FINISH N/A		The Genuine. The Original.  LEWISVILLE, TEXAS		NAME G. TAYLOR DATE 10/15/10		DRAWING TITLE: SERIES 170, 180WL WS6, 16' MAX WIDE	
		ASME Y14.100 AND Y14.5 APPLY UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.		FRACTIONS ± 1/16		UNIT OF MEASURE EACH		MATERIAL: NONE		CHECKED BY: M. SAWICKI DATE 10/25/10		DRAWING NUMBER D-411047			
REF DWG USED ON										APPROVED BY: T. CLARK DATE 4/12/21		SHEET 2 OF 2			