

NOTES:

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 INSERTS
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 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)
17'-0"	ALL	+157.3/-176.0
18'-0"	ALL	+166.5/-186.3

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	6	FAT	2" (JB-US), 10" (JB-US), 26-3/4" (JB-US), 45" (JB-US), 63" (JB-US), 74-1/2" (JB-US)
8'-0"	5	6	FAT	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 AND NGR) 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: 2023.10.07 18:41:29 -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

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TOLERANCES UNLESS OTHERWISE SPECIFIED				HOLE DIAMETER		WHOLE NUMBERS: ± .25		CHECKED BY: M. SAWICKI		10/25/10		DRAWING NUMBER D-411051	
THIRD ANGLE PROJECTION				UNDER .251 +.004/- .003		.X ± .1		APPROVED BY: T. CLARK		4/12/21		SCALE: N.T.S. SHEET 1 OF 2	
ASME Y14.100 AND Y14.5 APPLY, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.				.251 TO .500 +.006/- .003		.XX ± .03							
REF DWG				OVER .500 +.008/- .003		.XXX ± .010							
USED ON				FRACTIONS		ANGLES: ± .5°							
				± 1/16									

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)——

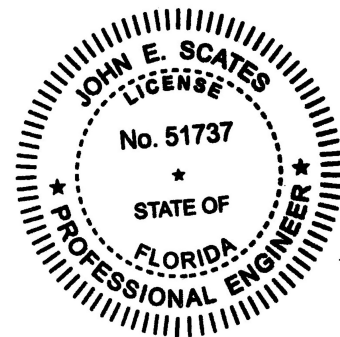
2" NYLON STORMGARD ROLLER
WITH 4-1/2" STEM EACH
ROLLER LOCATION. OPTIONAL-
11 BALL BEARING NYLON
ROLLER. _____

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

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.



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CENTER STILE & INTERMEDIATE HINGE LOCATIONS

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

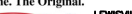
(6) SECTION DOORS WITH
(9) 3" 18 GA 80 KSI U-BARS
LOCATED AS SHOWN

(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

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

OPTIONAL: 2-PIECE TRACK DETAIL

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			HOLE DIAMETER		WHOLE NUMBERS: ± .25 .X ± .1 .XX ± .03 .XXX ± .010 ANGLES: ± .5°	N/A		 LEWISVILLE, TEXAS	DRAWN BY: G. TAYLOR		10/15/10	CHECKED BY: M. SAWICKI	10/25/10
			UNDER .251 +.004/- .003										
			.251 TO .500 +.006/- .003										
			OVER .500 +.008/- .003										
FRACTIONS		UNIT OF MEASURE EACH	MATERIAL:	NONE	APPROVED BY: T. CLARK	4/12/21	DRAWING NUMBER D-411051						
± 1/16													
										SCALE: N.T.S.	SHEET 2 OF 2		