

NOTES:

1. 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.

2. SLIDE LOCK OR OPERATOR
REQUIRED. LOW HEADROOM REQUIRES
A LOCK ON THE LEFT AND RIGHT
SIDE OF THE DOOR.

3. 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.

4. SECTION STEEL TO HAVE THE
FOLLOWING MINIMUM THICKNESS:
EXTERIOR - 27 GA
INTERIOR - 30 GA

5. DOOR JAMB TO BE MINIMUM 2x6
STRUCTURAL GRADE LUMBER AND BE
SPRUCE, PINE, OR FIR. REFER TO
JAMB CONNECTION SUPPLEMENT FOR
ATTACHMENT TO SUPPORTING
STRUCTURE.

6. FOR LOW HEAD ROOM LIFT
CONDITIONS, TOP BRACKET SHALL BE
A LHR TOP BRACKET IN LIEU OF
THE BRACKET SHOWN ON THIS
DRAWING. SEE LHR, DETAIL A, SHEET
2.

7. 11 GA ROLLER SLIDES WITH
WELDED ENDS AND 11 GA
REINFORCING BRACKETS REQUIRED
FOR DOORS > 8' TALL.

13 GA HORIZ ANGLE

13 GA FLAG ANGLE

5/16x1-5/8"
LAG SCREW
EACH HOLE(4) 1/4-20x9/16"
TRACK BOLTS & NUTS16 GA MIN VERT
TRACK5/16x1-5/8" LAG
SCREW AT EACH
JAMB BRACKET1/4-20x9/16" TRACK
BOLT AND NUT AT EACH
JAMB BRACKETSECURE LOCK STRIKER PLATE
(ONLY REQUIRED WITH SLIDE
LOCK) ATTACHED TO TRACK
WITH (2) 1/4-20x9/16" TRACK
BOLTS AND NUTSSLIDE LOCK BOTH ENDS
(NOT REQUIRED WITH
OPERATOR - SEE NOTE 2)15 GA JB-1 JAMB
BRACKETS. SEE
SCHEDULE FOR
QUANTITY AND
LOCATION.

NOTE: (3) SECTION DOOR SHOWN.
SEE SHEET 2 FOR U-BAR LOCATIONS
ON DOORS WITH OTHER SECTION
QUANTITIES.

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 ± 2")
7'-0"	3	6	2", 10", 26", 42", 53", 63"
8'-0"	4	8	2", 10", 26", 39", 48", 57", 66", 75"
> 8'-0"			SEE NOTE BELOW

NOTE:

ALL DOORS GREATER THAN 8' IN HEIGHT REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SUPPLEMENT TRACK CHART FOR DETAILS.

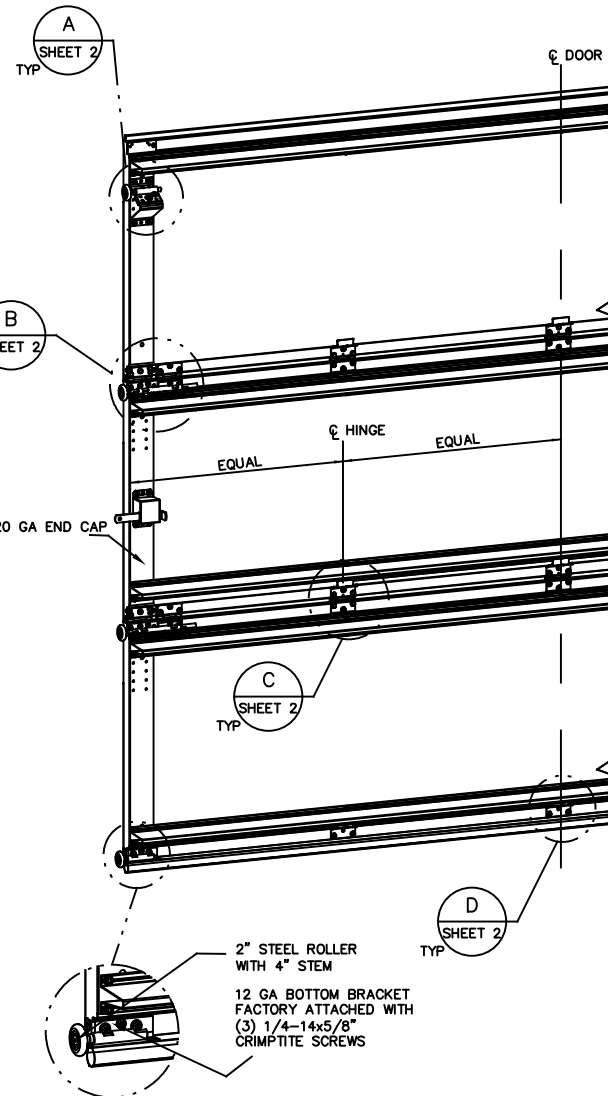
**SUPERIMPOSED DESIGN PRESSURE
LOADS ON SUPPORTING STRUCTURE**

DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
9'-0"	ALL	+160.7/-184.5
8'-0"	ALL	+142.8/-164.0

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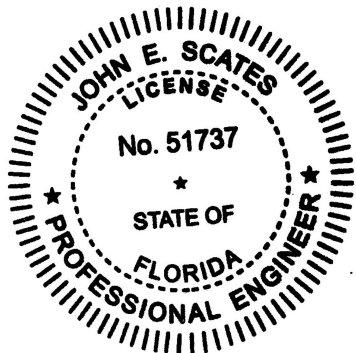
2" STEEL ROLLER
WITH 4" STEM12 GA BOTTOM BRACKET
FACTORY ATTACHED WITH
(3) 1/4-14x5/8"
CRIMPITE SCREWS**SERIES 300, 5800, 7540**

This door has been tested per ANSI/DASMA 108

REVISIONS
POO CREATED NEW
DRAWING FOR
WINDLOAD OPTIONS
8-23-16 GAC

REV A PCR 32177
ADDED ORACLE
MODEL NUMBERS
10-29-19 TLC

REV B PCR 32442
ADDED NYLON BALL
BEARING ROLLER
OPTION
9-24-2020 JQ



Digitally signed by John E. Scates, P.E.
Date: 2020.09.25 16:10:39 -05'00'

JOHN E. SCATES, PE
2560 King Arthur #124-54
Lewisville, TX 75056
FL PE 51737 TX PE 56308/F-2203

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+35.70/-41.00	MAX WIDTH:	9'-0"	DATE		NAME	
IMPACT/CYCLIC RATED (YES/NO): NO		MAX HEIGHT:	14'-0"	DRAWN	8-23-16	GAC	
		MAX SECTION HEIGHT: 28"	CHECKED	8-23-16	DK		
MODELS 300-309/5800					SHEET 1 OF 2		
WINDLOAD SPECIFICATION					DRAWING PART NO.	REV.	
					411423	B	

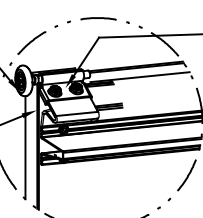
LOW HEADROOM TRACK

STANDARD LIFT TRACK

U-BAR LOCATIONS

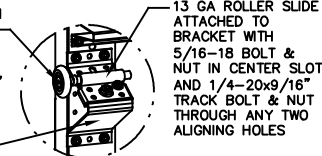
REVISIONS

2" STEEL ROLLER WITH 4" STEM. OPTIONAL NYLON BALL BEARING ROLLER AVAILABLE.
14GA LHR TOP BRACKET ATTACHED TO DOOR WITH (3) 1/4-20 X 11/16" SELF DRILLING AND (2) #12 X 1/2" PHILLIPS SCREWS



13 GA ROLLER SLIDE ATTACHED TO BRACKET WITH 5/16-18 BOLT & NUT IN CENTER SLOT AND 1/4-20x9/16" TRACK BOLT & NUT THROUGH ANY TWO ALIGNING HOLES

2" STEEL ROLLER WITH 4" STEM. OPTIONAL NYLON BALL BEARING ROLLER AVAILABLE.
13 GA COMMERCIAL 'A' FRAME TOP BRACKET ATTACHED WITH (4) 1/4-20x7/8" SELF DRILLING SCREWS

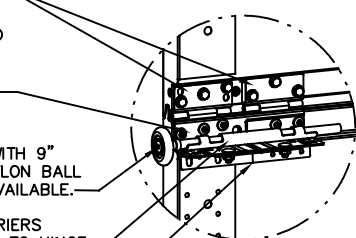


13 GA ROLLER SLIDE ATTACHED TO BRACKET WITH 5/16-18 BOLT & NUT IN CENTER SLOT AND 1/4-20x9/16" TRACK BOLT & NUT THROUGH ANY TWO ALIGNING HOLES

(2) 15 GA HINGE LEAFS ATTACHED WITH (3) 1/4-14x5/8" CRIMPITE SCREWS EACH

DETAIL A

14 GA HINGE BASE FACTORY ATTACHED TO DOOR WITH (5) 1/4-14x5/8" CRIMPITE SCREWS

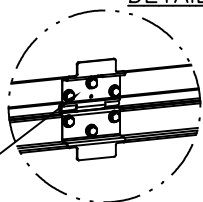


2" STEEL ROLLER WITH 9" STEM. OPTIONAL NYLON BALL BEARING ROLLER AVAILABLE.

13 GA ROLLER CARRIERS FACTORY ATTACHED TO HINGE BASE AND REINFORCING BRACKET. (EXCEPTION: NOTE #7)

13 GA REINFORCING BRACKET ATTACHED BENEATH HINGE BASE. (EXCEPTION: NOTE #7)

BEFORE U-BAR INSTALLATION



BEFORE U-BAR INSTALLATION

AFTER U-BAR INSTALLATION



AFTER U-BAR INSTALLATION

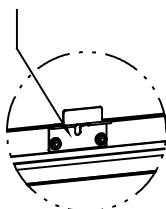
POSITION U-BAR OVER REINFORCING BRACKET AND ATTACH WITH (3) 1/4-20x7/8" SELF DRILLING SCREWS AS SHOWN (2 OF WHICH ATTACH THROUGH REINFORCING BRACKET)

POSITION U-BAR ADJACENT TO HINGE LEAF AND ATTACH WITH (2) 1/4-14x5/8" CRIMPITE SCREWS AS SHOWN

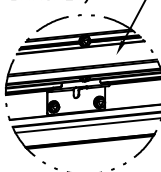
POSITION U-BAR OVER HINGE LEAF AND ATTACH WITH (1) 1/4-14x5/8" CRIMPITE SCREW AND (1) 1/4-20x7/8" SELF DRILLING SCREW AS SHOWN (SELF DRILLING SCREW ATTACHES THROUGH HINGE LEAF)

POSITION U-BAR OVER HINGE BRACKET AND ATTACH WITH (1) 1/4-14x5/8" CRIMPITE SCREW AND (1) 1/4-20x7/8" SELF DRILLING SCREW AS SHOWN (SELF DRILLING SCREW ATTACHES THROUGH HINGE BRACKET)

15 GA HINGE BRACKET ATTACHED WITH (2) 1/4-20x7/8" SELF DRILLING SCREWS



BEFORE U-BAR INSTALLATION



AFTER U-BAR INSTALLATION

DETAIL D

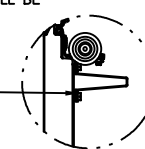
(6) SECTION DOORS WITH (11) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN (TOP BRACKET REMOVED FOR CLARITY)

(5) SECTION DOORS WITH (9) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN (TOP BRACKET REMOVED FOR CLARITY)

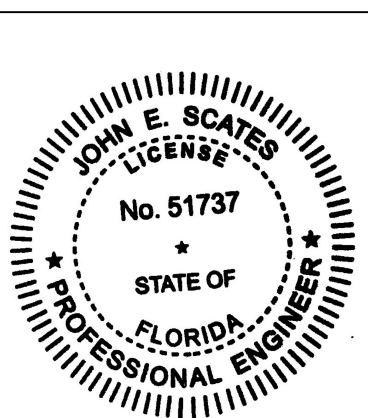
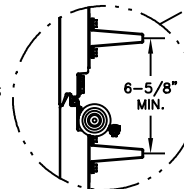
(4) SECTION DOORS WITH (7) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN (TOP BRACKET REMOVED FOR CLARITY)

(3) SECTION DOORS WITH (5) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN (TOP BRACKET REMOVED FOR CLARITY)

UNLESS NOTED OTHERWISE, ALL U-BARS SHALL BE ATTACHED WITH A MINIMUM OF (2) FASTENERS AT EACH END AND AT ALL INTERMEDIATE HINGE LOCATIONS (OR IN LINE WITH INTERMEDIATE HINGE LOCATIONS IF U-BAR IS NOT LOCATED AT A HINGE). ALL FASTENERS USED TO ATTACH U-BARS SHALL BE 1/4-14x5/8" CRIMPITE SCREWS EXCEPT 1/4-20x7/8" SELF DRILLING SCREWS SHALL BE USED AT END CAPS AND WHERE FASTENING THROUGH HINGE LEAFS OR BRACKETS.



NOTE: U-BARS SHOULD BE INSTALLED LEVEL ACROSS DOOR AND MAINTAIN A MINIMUM CENTERLINE SPACING OF 6-5/8" BETWEEN U-BARS ON ADJACENT SECTIONS



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MODELS 300-309/5800				SHEET 2 OF 2			
WINDLOAD SPECIFICATION				DRAWING PART NO.		REV.	
				411423		B	

POO CREATED NEW DRAWING FOR WINDLOAD OPTIONS 8-23-16 GAC

REV A PCR 32177
ADDED ORACLE MODEL NUMBERS 10-29-19 TLC

REV B PCR 32442
ADDED NYLON BALL BEARING ROLLER OPTION 9-24-2020 JQ