

**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 SCREWS  
(MIN 3 AS SHOWN)

16 GA MIN VERT  
TRACK

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

1/4-20x9/16" TRACK  
BOLT AND 1/4-20 HEX  
NUT AT EACH JAMB  
BRACKET

SECURE LOCK STRIKER  
PLATE ATTACHED TO TRACK  
WITH (2) 1/4-20x9/16"  
TRACK BOLTS AND NUTS  
(ONLY REQUIRED WITH SLIDE  
LOCK)

SLIDE LOCK (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<br>HEIGHT | NO. OF<br>SECTIONS | NO. OF JAMB<br>BRACKETS<br>(EACH JAMB) | TRACK<br>TYPE | LOCATION OF CENTERLINE OF JAMB<br>BRACKETS MEASURED FROM BOTTOM<br>OF TRACK (ALL DIMENSIONS ± 2") |
|----------------|--------------------|----------------------------------------|---------------|---------------------------------------------------------------------------------------------------|
| 7'-0"          | 3                  | 2                                      | FAT           | 10" (JB), 48" (JB)                                                                                |
| 8'-0"          | 4                  | 3                                      | FAT           | 10" (JB), 48" (JB), 66" (JB)                                                                      |
| > 8'-0"        |                    |                                        |               | SEE NOTE BELOW                                                                                    |
|                |                    |                                        |               |                                                                                                   |
|                |                    |                                        |               |                                                                                                   |

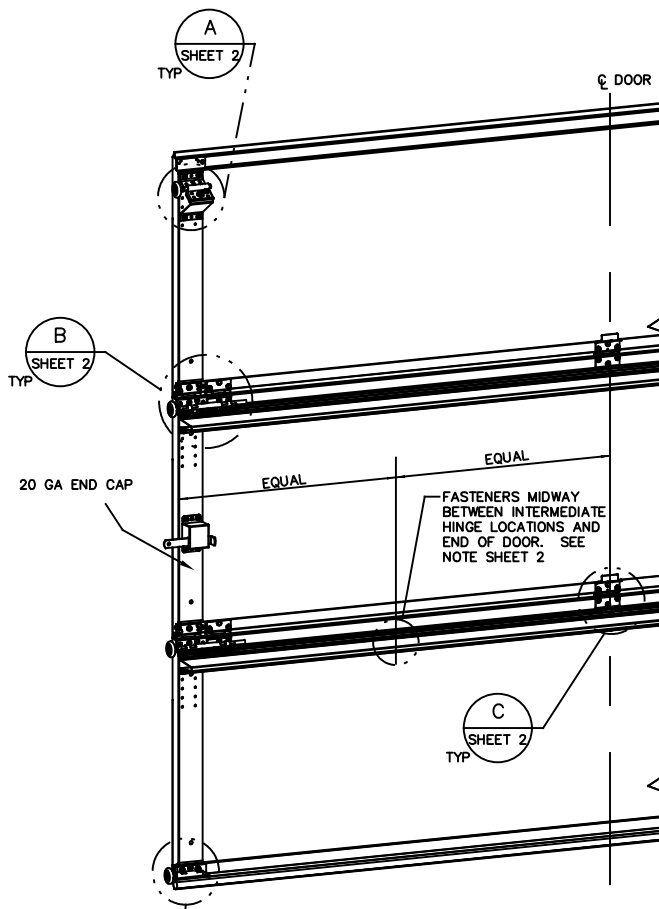
NOTE:

(JB) 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.

SUPERIMPOSED DESIGN PRESSURE  
LOADS ON SUPPORTING STRUCTURE

| DOOR<br>WIDTH | DOOR<br>HEIGHT | UNIFORM LOAD EACH JAMB (PLF) |
|---------------|----------------|------------------------------|
| 9'-0"         | ALL            | +103.1/-118.4                |
| 8'-0"         | ALL            | +91.6/-105.2                 |

PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR  
VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.

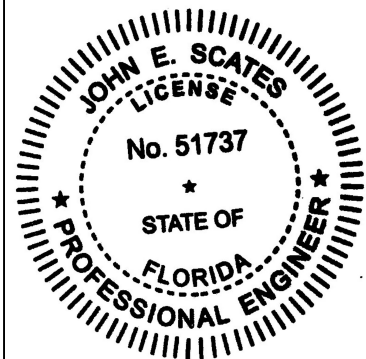


12 GA BOTTOM BRACKET  
FACTORY ATTACHED WITH  
(3) 1/4-14x5/8"  
CRIMPITE SCREWS

2" STEEL ROLLER  
WITH 4" STEM

This door has been tested per ANSI/DASMA 108

SERIES 300, 5800, 7540



Digitally signed by John E. Scates, P.E.  
Date: 2020.09.25 16:14:32 -05'00'

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

The Genuine. The Original.



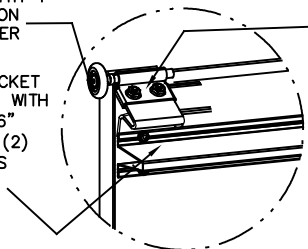
Lewisville, TX

| STATIC PRESSURE RATINGS          |               | APPROVED SIZES          |         | SCALE: N.T.S. |                  | SIZE: A |  |
|----------------------------------|---------------|-------------------------|---------|---------------|------------------|---------|--|
| DESIGN (PSF):                    | +22.90/-26.30 | 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.    |  |
|                                  |               |                         |         |               | 411417           | B       |  |

# LOW HEADROOM TRACK

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

DETAIL A

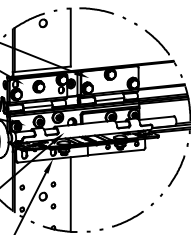
(2) 15 GA HINGE LEAFS ATTACHED WITH (3) 1/4-14x5/8" CRIMPITE SCREWS EACH

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

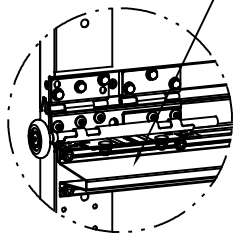
2" STEEL ROLLER WITH 9" STEM. OPTIONAL NYLON BALL BEARING ROLLER AVAILABLE.

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)



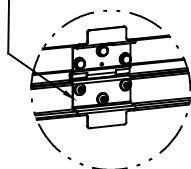
BEFORE U-BAR INSTALLATION



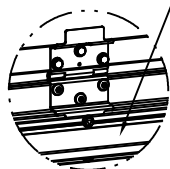
AFTER U-BAR INSTALLATION

DETAIL B

15 GA HINGE ATTACHED WITH (6) 1/4-14x5/8" CRIMPITE SCREWS (3 OF WHICH ARE FACTORY ATTACHED)



BEFORE U-BAR INSTALLATION



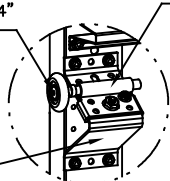
AFTER U-BAR INSTALLATION

DETAIL C

# STANDARD LIFT TRACK

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

## U-BAR LOCATIONS

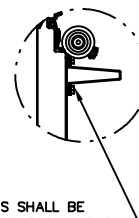
(7) SECTION DOORS WITH (6) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN (TOP BRACKET REMOVED FOR CLARITY)

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

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

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

(3) SECTION DOORS WITH (2) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN (TOP BRACKET REMOVED FOR CLARITY)



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)

UNLESS NOTED OTHERWISE, ALL U-BARS SHALL BE ATTACHED WITH A MINIMUM OF (2) FASTENERS AT EACH END, AT ALL INTERMEDIATE HINGE LOCATIONS (OR IN LINE WITH INTERMEDIATE HINGE LOCATIONS IF U-BAR IS NOT LOCATED AT A HINGE), AND MIDWAY BETWEEN INTERMEDIATE HINGE LOCATIONS (MINIMUM OF (10) FASTENERS EACH U-BAR). 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.

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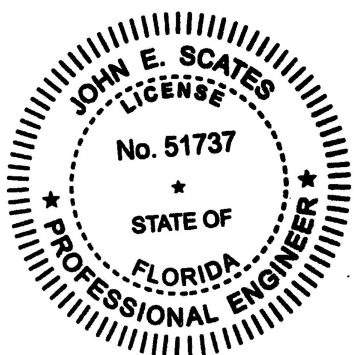
| STATIC PRESSURE RATINGS          |               | APPROVED SIZES          |         | SCALE: N.T.S. |                  | SIZE: A |      |
|----------------------------------|---------------|-------------------------|---------|---------------|------------------|---------|------|
| DESIGN (PSF):                    | +22.90/-26.30 | MAX WIDTH:              | 9'-0"   |               | DATE             | NAME    |      |
|                                  |               | MAX HEIGHT:             | 14'-0"  | DRAWN         | 8-23-16          | GAC     |      |
| IMPACT/CYCLIC RATED (YES/NO): NO |               | MAX SECTION HEIGHT: 28" | CHECKED | 8-23-16       | DK               |         |      |
| MODELS 300-309/5800              |               |                         |         |               | SHEET 2 OF 2     |         |      |
| WINDLOAD SPECIFICATION           |               |                         |         |               | DRAWING PART NO. |         | REV. |
|                                  |               |                         |         |               | 411417           |         | B    |

## 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



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