

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 &
1/4-20 HEX NUTS

16 GA MIN VERT
TRACK

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

1/4x20x9/16" 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 1/4-20
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 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	3	2", 26", 53"
8'-0"	4	4	2", 26", 48", 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	+121.1/-138.6
8'-0"	ALL	+107.6/-123.2

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

A
SHEET 2
TYP

B
SHEET 2
TYP

C
SHEET 2
TYP

20 GA END CAP

2" STEEL ROLLER
WITH 4" STEM

12 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

The Genuine. The Original.



Louisville, TX

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+26.90/-30.80	MAX WIDTH:	9'-0"	DATE		NAME	
IMPACT/CYCLIC RATED (YES/NO): NO		MAX HEIGHT:	10'-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.	
				411419		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

JOHN E. SCATES
LICENSE
No. 51737
★
STATE OF
FLORIDA
★
PROFESSIONAL ENGINEER

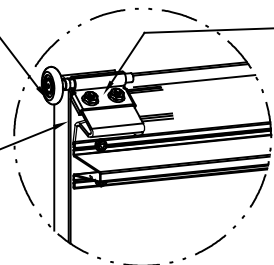
Digitally signed by John E. Scates, P.E.
Date: 2020.09.25 16:13:13 -05'00'

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

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 STEEL ROLLER SLIDE ATTACHED WITH (2) 1/4-20x5/8" CARRIAGE BOLTS, (2) RETENSION WASHERS, AND (2) 1/4-20 HEX FLANGE NUT.

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 & 1/4-20 HEX NUT THROUGH ANY TWO ALIGNING HOLES

U-BAR LOCATIONS

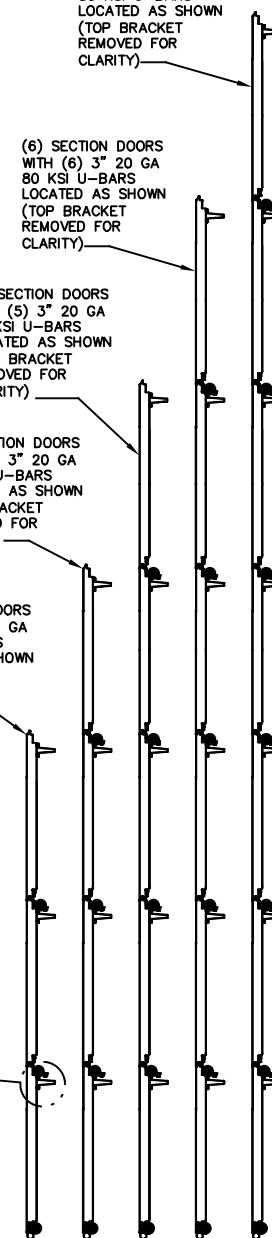
(7) SECTION DOORS WITH (7) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN (TOP BRACKET REMOVED FOR CLARITY)

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

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

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

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



REVISIONS

P00 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

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

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

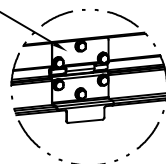
AFTER U-BAR INSTALLATION

DETAIL B

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)

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" CRIMPTITE SCREWS EXCEPT 1/4-20x7/8" SELF DRILLING SCREWS SHALL BE USED AT END CAPS AND WHERE FASTENING THROUGH HINGE LEAFS OR BRACKETS.

15 GA HINGE ATTACHED WITH (6) 1/4-14x5/8" CRIMPTITE SCREWS



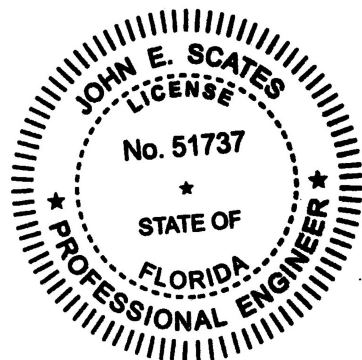
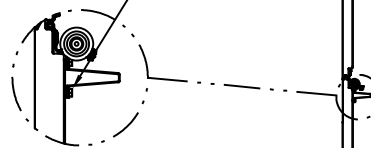
BEFORE U-BAR INSTALLATION



AFTER U-BAR INSTALLATION

DETAIL C

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



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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+26.90/-30.80	MAX WIDTH:	9'-0"	DATE	8-23-16	NAME	GAC
IMPACT/CYCLIC RATED (YES/NO):	NO	MAX HEIGHT:	10'-0"	DRAWN	8-23-16	DK	
MODELS 300-309/5800				SHEET 2 OF 2			
WINDLOAD SPECIFICATION				DRAWING PART NO.		REV.	
				411419		B	