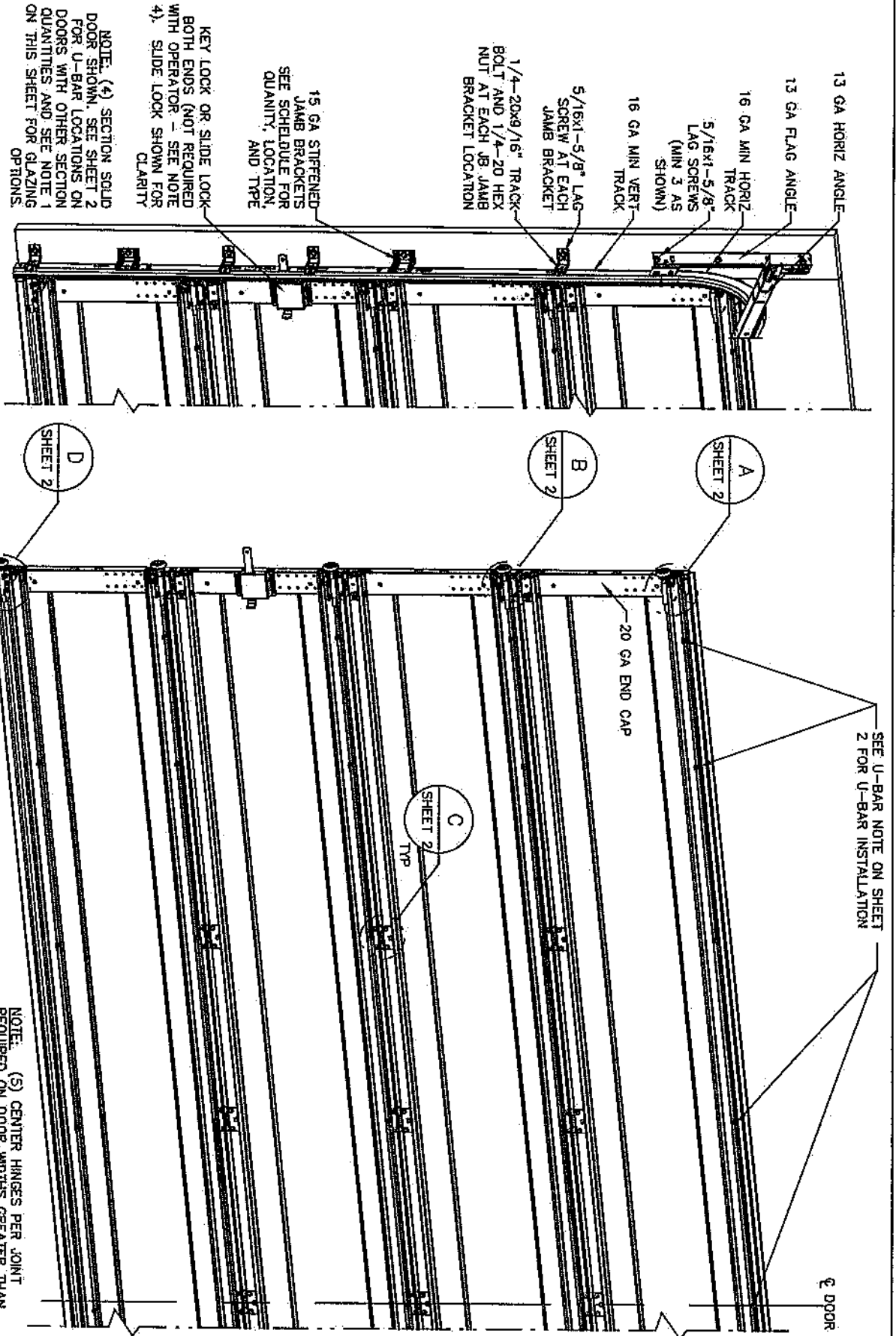


- NOTES:**
- NON-IMPACT RESISTANT SHORT GLAZED PANEL (DETAIL E) - .090" MINIMUM SSB GLAZING IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (10) #8x1" SCREWS (10) ALONG EACH HORIZONTAL LEG AND (2) ALONG EACH VERTICAL LEG) FOR GLAZING WITH A MAXIMUM LENGTH OF 16.75" AND MAXIMUM HEIGHT OF 13.75". MEETS UNIFORM STATIC DESIGN PRESSURES SHOWN ON THIS DRAWING. GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS.
  - LONG GLAZED PANEL OPTION - NOT AVAILABLE WITH THIS OPTION CODE.
  - W/NTL OR WOOD DOOR STOP NEEDED A MAXIMUM OF 6" O.C. MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" TO MEET NEGATIVE PRESSURES.
  - KEY LOCK, SLIDE LOCKS, OR OPERATOR REQUIRED.
  - SECTION SHALL BE CONSTRUCTED WITH FOAMED IN PLACE POLYURETHANE FOAM INSULATION CHEMICALLY BONDED TO 30 GA MINIMUM FACER STEEL AND A POLYIMINATE OR 32 GA STEEL BACKER. END CAP TO HAVE A MINIMUM 1.4" DEPTH.
  - 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.
  - DOOR JAMB TO BE MINIMUM 2x6 STRUCTURAL GRADE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
  - LOUVER OPTION (DETAIL F) - .08" MINIMUM LOUVERS IN MOLDED FRAMES. 19"x13.9" (OLO-15 1/2"x 10 1/2"), SCREWED TOGETHER WITH A MINIMUM OF (12) #9x1" SCREWS (3) ALONG EACH HORIZONTAL LEG AND (3) ALONG EACH VERTICAL LEG. LOUVERS ARE NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS. LOUVERS ARE ONLY INSTALLED IN THE BOTTOM SECTION. LOUVERED SECTION REQUIRES OPERATOR STYLE TO BE FACTORY INSTALLED AT THE CENTERLINE OF THE DOOR.

**SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE**

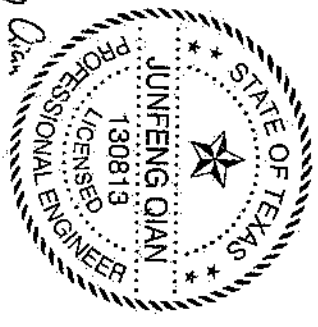
MAX DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
16'-0"	ALL	+207.2/-230.4
14'-0"	ALL	+181.3/-201.6
12'-0"	ALL	+155.4/-172.8
10'-0"	ALL	+129.5/-144.0



**JAMB BRACKET SCHEDULE**

DOOR HEIGHT	NO. OF SECTIONS (EACH JAMB)	NO. OF JAMB BRACKETS (EACH JAMB)	TRACK TYPE	LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2")
7'-0"	4	6	Q1	2" (JB), 13" (Q1), 25-1/2" (JB), 34" (JB), 45-1/4" (Q1), 63" (JB)
7'-0"	4	6	FAT	2" (JB), 10" (JB), 21-3/4" (JB), 29-3/4" (JB), 42" (JB), 63-1/4" (JB)
8'-0"	5	8	Q1	2" (JB), 13" (Q1), 23" (JB), 34" (JB), 47-1/4" (Q1), 58" (JB), 67" (Q1), 75" (JB)
8'-0"	5	8	FAT	2" (JB), 10" (JB), 21-3/4" (JB), 29-3/4" (JB), 48" (JB), 57-1/4" (JB), 66" (JB), 75-1/2" (JB)
> 8'-0"	HIGH LIFT/ROOF PITCH			SEE NOTE BELOW

**NOTE:**  
 (JB) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4"-20x9/16" TRACK BOLT AND NUT.  
 (Q1) FOLLOWING DIMENSION DENOTES QUICK INSTALL JAMB BRACKET INSTALLED IN BUTTERFLY SLOT. NO ADDITIONAL HARDWARE NEEDED TO ATTACH TO TRACK.  
 ALL DOORS WITH HIGH LIFT, ROOF PITCH, AND/OR GREATER THAN 8' IN HEIGHT REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SUPPLEMENT TRACK CHART FOR DETAILS.



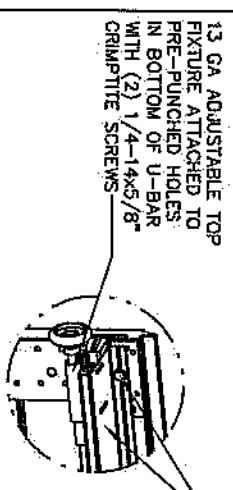
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 130813  
 LICENSED PROFESSIONAL ENGINEER  
 STATE OF TEXAS  
 5729 AMHERST AVE  
 MCKINNEY, TEXAS 75070  
 TEXAS PE 130813  
 PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.

COMPLETS WITH THE REQUIREMENTS OF IRC/IBC 2018

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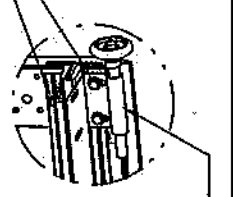
STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.	
DESIGN (PSF):	+25.90/-28.80	MAX WIDTH:	16'-0"	DATE	NAME
TEST (PSF):	+38.85/-43.20	MAX HEIGHT:	8'-9"	DRAWN	GRT
IMPACT/CYCLIC RATED (YES/NO):	NO	MAX SECTION HEIGHT:	21"	CHECKED	TLC
MODELS 5145/9405/9600			SHEET 1 OF 2		
WINDLOAD SPECIFICATION OPTION CODE 0607			DRAWING PART NO. 319033		
			REV. H		

- REVISIONS**
- P1 ADDED SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE AND CARRIED NUMBER OF FASTENERS AND CENTER HINGERS REQUIRED FOR NARROWER DOOR WIDTHS. MRB 5/10/06
  - P2 MODIFIED NOTE 8 TO STATE THAT LOUVERS ARE NOT IMPACT RESISTANT. GRT 6/6/07
  - P3 MODIFIED JAMB BRACKET SCHEDULE FOR FAT OPTION. ADDED LHR TRACK DETAIL SHEET 2. GRT 4/17/08
  - P4 ADDED TEXAS LICENSE NUMBER TO TITLE BLOCK. CHANGED LOUVER NOTE TO 8'-9". ADDED HIGH LIFT AND ROOF PITCH TRACK NOTE. GRT 4/29/09
  - P5 UPDATED TITLE BLOCK GRT 5/4/10
  - P6 ER31223 CHANGED DOOR MODEL, NUMBERS, AND BACKER NOTES. ESC 6/7/2017
  - REV G - UPDATED REVISION FROM NUMERIC TO ALPHA DRAWING UPDATES FOR TDI SW 3/24/21
  - REV H - UPDATED DRAWINGS FOR TDI TLC 4/20/21



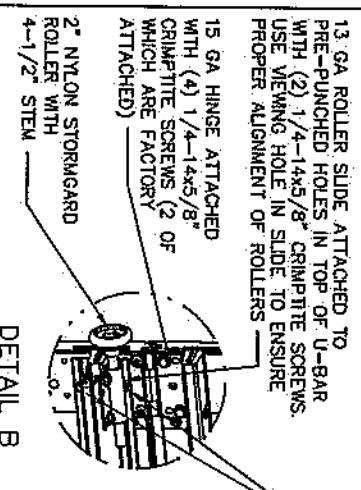
DETAIL A

13 GA ADJUSTABLE TOP FIXTURE ATTACHED TO PRE-PUNCHED HOLES IN BOTTOM OF U-BAR WITH (2) 1/4-14x5/8 CRIMPITE SCREWS.



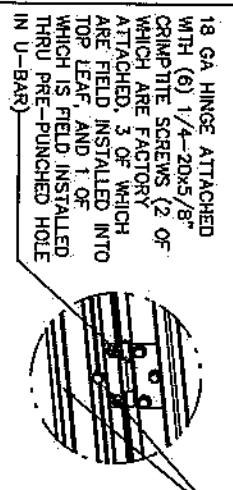
DETAIL A

13 GA ADJUSTABLE TOP FIXTURE



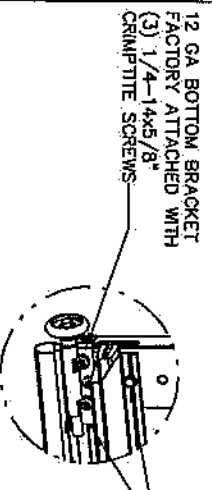
DETAIL B

13 GA ROLLER SLIDE ATTACHED TO PRE-PUNCHED HOLES IN TOP OF U-BAR WITH (2) 1/4-14x5/8 CRIMPITE SCREWS. USE VIEWING HOLE IN SLIDE TO ENSURE PROPER ALIGNMENT OF ROLLERS.



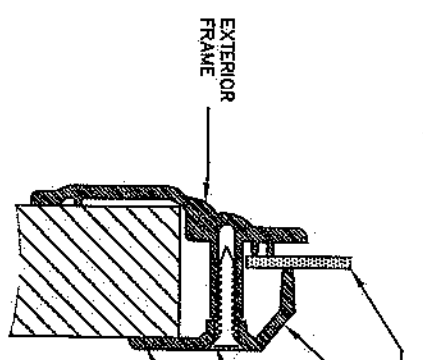
DETAIL C

18 GA HINGE ATTACHED WITH (6) 1/4-20x5/8 CRIMPITE SCREWS (2 OF WHICH ARE FACTORY ATTACHED, 3 OF WHICH ARE FIELD INSTALLED INTO TOP LEAF, AND 1 OF WHICH IS FIELD INSTALLED THRU PRE-PUNCHED HOLE IN U-BAR)



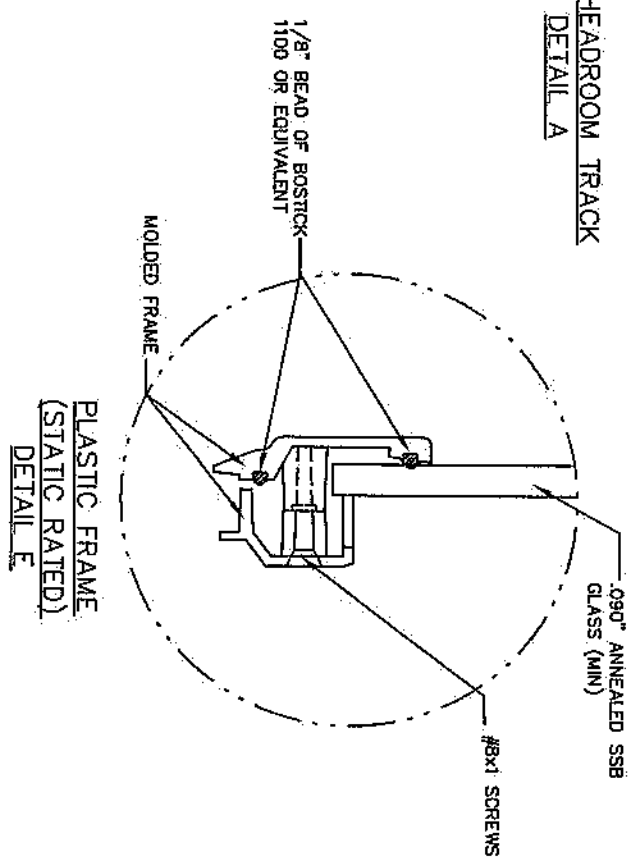
DETAIL D

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



LOW HEADROOM TRACK  
DETAIL A

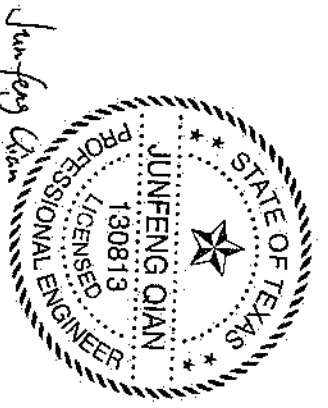
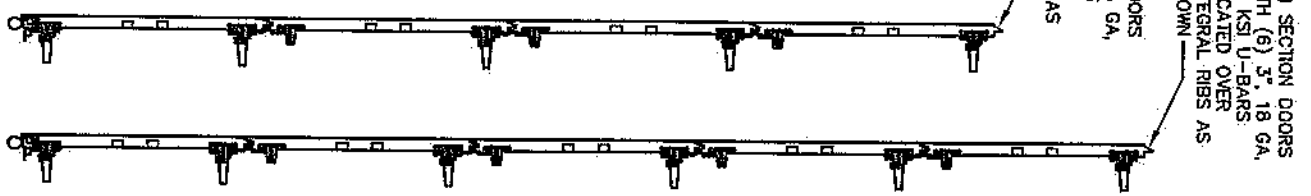
PLACE U-BAR OVER INTEGRAL RIB WITH THE (6) PRE-PUNCHED HOLES EACH END FACING UPWARD AND ATTACH THRU END CAP AT EACH END WITH (1) 1/4-14x7/8 SELF DRILLING CRIMPITE SCREW AS SHOWN AND USE (1) 1/4-14x7/8 SELF DRILLING CRIMPITE SCREW ACROSS THE BOTTOM OF THE BOTTOM U-BAR AT EACH PRE-PUNCHED HOLE AT EVERY HINGE LOCATION. USE (1) 1/4-20x5/8 CRIMPITE SCREW AT ALL OTHER PRE-PUNCHED HOLE LOCATIONS.



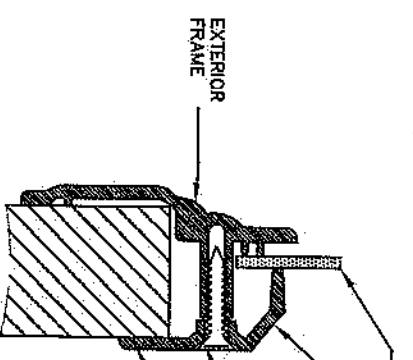
DETAIL E

U-BAR ATTACHMENT NOTES

1. ALL U-BARS SHALL BE PLACED OVER INTEGRAL RIBS AND ATTACHED THRU PRE-PUNCHED HOLES WITH (2) 1/4-14x5/8 CRIMPITE SCREWS AT EACH INTERMEDIATE HINGE LOCATION, (2) 1/4-14x7/8 SELF DRILLING CRIMPITE SCREWS AT EACH END CAP (EXCEPT BOTH U-BARS ON BOTTOM SECTION - SEE DETAIL B AND D THIS SHEET), (2) 1/4-14x5/8 CRIMPITE SCREWS APPROXIMATELY MIDWAY BETWEEN END OF DOOR AND INTERMEDIATE HINGE LOCATION, AND (1) 1/4-14x5/8 CRIMPITE SCREW APPROXIMATELY 8" FROM EACH END. FOR DOOR WIDTHS GREATER THAN 12'-0", THERE SHALL BE A TOTAL OF (20) SCREWS ATTACHING EACH U-BAR EXCEPT BOTH U-BARS ON BOTTOM SECTION WHICH HAVE A TOTAL OF (18) SCREWS EACH. FOR DOOR WIDTHS LESS THAN OR EQUAL TO 12'-0", THERE SHALL BE A TOTAL OF (16) SCREWS ATTACHING EACH U-BAR EXCEPT BOTH U-BARS ON BOTTOM SECTION WHICH HAVE A TOTAL OF (14) SCREWS EACH.
2. WITH THE EXCEPTION OF THE (8) PRE-PUNCHED HOLES IN THE TOP OF EACH END USED FOR ATTACHMENT OF THE ROLLER SLIDES AND THE (6) PRE-PUNCHED HOLES IN THE BOTTOM OF EACH END USED FOR THE ATTACHMENT OF THE TOP FIXTURE AND UNLESS NOTED OTHERWISE ON THIS SPECIFICATION DRAWING, ALL PRE-PUNCHED HOLES IN ALL U-BARS SHALL BE ATTACHED TO THE DOOR WITH 1/4-14x5/8 CRIMPITE SCREWS.
3. 18 GA U-BARS SHALL BE STAMPED "46" APPROXIMATELY 8" FROM EACH END.



Junfeng Qian  
4/30/2021  
729 NARTHORA AVE  
MCKINNEY, TEXAS 75070  
TEXAS PE 130813  
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NON-IMPACT LOUVER  
(STATIC RATED)  
DETAIL F

PLACE U-BAR OVER INTEGRAL RIB WITH THE (6) PRE-PUNCHED HOLES EACH END FACING UPWARD AND ATTACH THRU END CAP AT EACH END WITH (1) 1/4-14x7/8 SELF DRILLING CRIMPITE SCREW AS SHOWN AND USE (1) 1/4-14x7/8 SELF DRILLING CRIMPITE SCREW ACROSS THE BOTTOM OF THE BOTTOM U-BAR AT EACH PRE-PUNCHED HOLE AT EVERY HINGE LOCATION. USE (1) 1/4-20x5/8 CRIMPITE SCREW AT ALL OTHER PRE-PUNCHED HOLE LOCATIONS.

U-BAR ATTACHMENT NOTES

1. ALL U-BARS SHALL BE PLACED OVER INTEGRAL RIBS AND ATTACHED THRU PRE-PUNCHED HOLES WITH (2) 1/4-14x5/8 CRIMPITE SCREWS AT EACH INTERMEDIATE HINGE LOCATION, (2) 1/4-14x7/8 SELF DRILLING CRIMPITE SCREWS AT EACH END CAP (EXCEPT BOTH U-BARS ON BOTTOM SECTION - SEE DETAIL B AND D THIS SHEET), (2) 1/4-14x5/8 CRIMPITE SCREWS APPROXIMATELY MIDWAY BETWEEN END OF DOOR AND INTERMEDIATE HINGE LOCATION, AND (1) 1/4-14x5/8 CRIMPITE SCREW APPROXIMATELY 8" FROM EACH END. FOR DOOR WIDTHS GREATER THAN 12'-0", THERE SHALL BE A TOTAL OF (20) SCREWS ATTACHING EACH U-BAR EXCEPT BOTH U-BARS ON BOTTOM SECTION WHICH HAVE A TOTAL OF (18) SCREWS EACH. FOR DOOR WIDTHS LESS THAN OR EQUAL TO 12'-0", THERE SHALL BE A TOTAL OF (16) SCREWS ATTACHING EACH U-BAR EXCEPT BOTH U-BARS ON BOTTOM SECTION WHICH HAVE A TOTAL OF (14) SCREWS EACH.
2. WITH THE EXCEPTION OF THE (8) PRE-PUNCHED HOLES IN THE TOP OF EACH END USED FOR ATTACHMENT OF THE ROLLER SLIDES AND THE (6) PRE-PUNCHED HOLES IN THE BOTTOM OF EACH END USED FOR THE ATTACHMENT OF THE TOP FIXTURE AND UNLESS NOTED OTHERWISE ON THIS SPECIFICATION DRAWING, ALL PRE-PUNCHED HOLES IN ALL U-BARS SHALL BE ATTACHED TO THE DOOR WITH 1/4-14x5/8 CRIMPITE SCREWS.
3. 18 GA U-BARS SHALL BE STAMPED "46" APPROXIMATELY 8" FROM EACH END.

DESIGN (PSF):	MAX WIDTH:	APPROVED SIZES	SCALE: N.T.S.	SIZE:
+25.90/-28.80	16'-0"			A
TEST (PSF):	MAX HEIGHT:		DATE	NAME
+38.85/-43.20	8'-9"		3/8/06	GRT
IMPACT/CYCLIC RATED (YES/NO):	MAX SECTION HEIGHT:		CHECKED	TLC
NO	21'		4/20/21	
MODELS 5145/9405/9600				
SHEET 2 OF 2				
DRAWING PART NO. 319033				
REV. H				

WINDLOAD SPECIFICATION OPTION CODE 0607

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