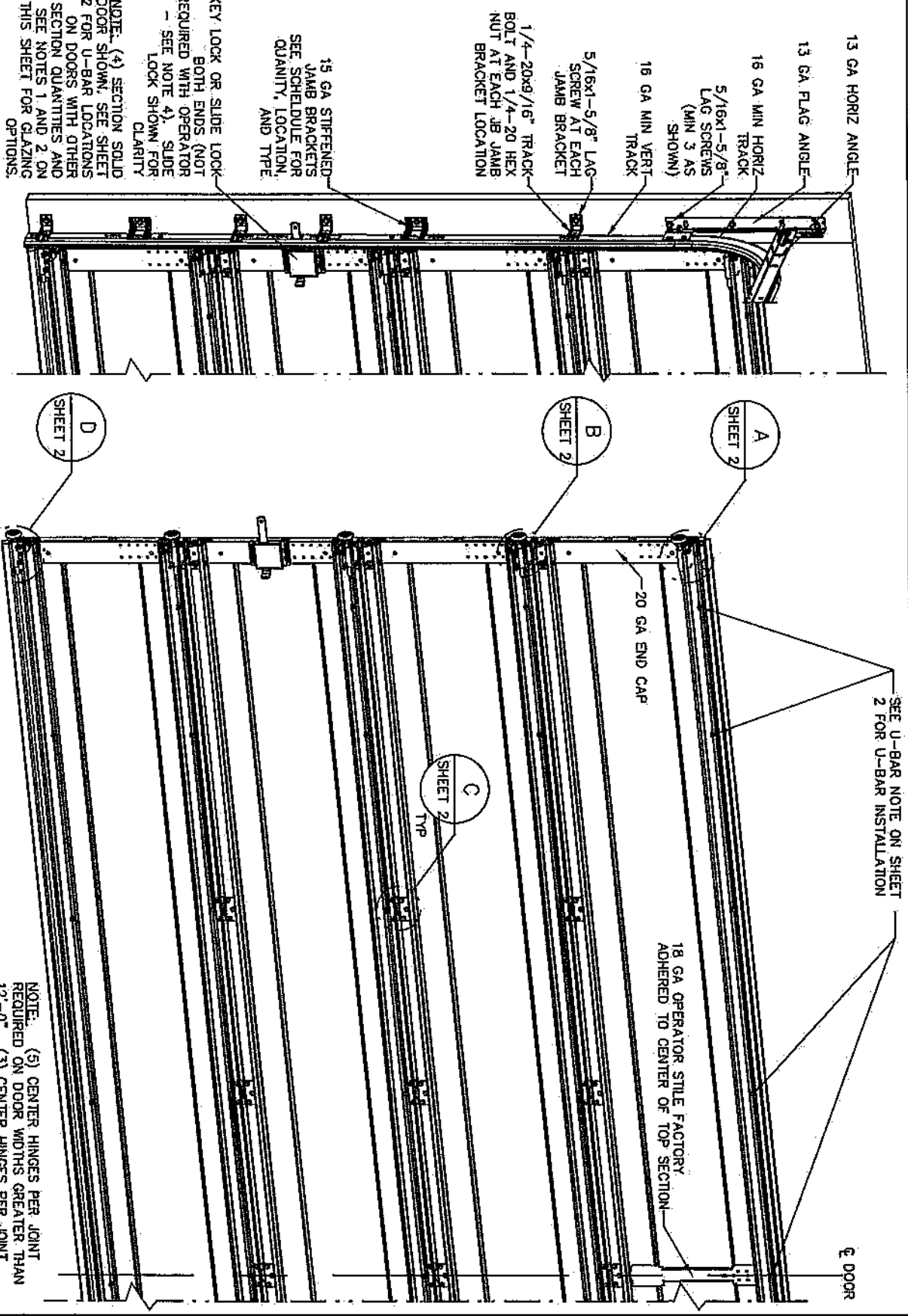


- ROLES:**
- NON-IMPACT RESISTANT GLAZING (DETAIL H) - .090" MINIMUM SSB GLAZING IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (10) #8x1" SCREWS ((3) ALONG EACH HORIZONTAL LEG AND (2) ALONG EACH VERTICAL LEG) FOR GLAZING WITH A MAXIMUM LENGTH OF 36" INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS) 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. SEE DETAIL H ON SHEET 2 FOR ASSEMBLY DETAILS.
  - IMPACT RESISTANT GLAZING (DETAIL E) - IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS). GLAZING SHALL BE 1/4" MARROLOX-AR POLYCARBONATE OR EQUAL. GLAZING SHALL HAVE A MAXIMUM HEIGHT OF 15.21" AND A MAXIMUM LENGTH OF 50.08" SCREWED TOGETHER WITH A MINIMUM OF (10) #8x1" SCREWS ((3) ALONG EACH HORIZONTAL LEG AND (2) ALONG EACH VERTICAL LEG). GLAZING IS IMPACT RESISTANT AND DOES MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS. GLAZED SECTION REQUIRES REINFORCEMENT BRACKETS ATTACHED TO U-BAR ON UPPER INTEGRAL RIB (SEE DETAIL G SHEET 2). 18 GA U-STRUT SCREWED TO LOWER INTEGRAL RIB OF SECTION AND OPERATOR STYLE TO BE FACTORY INSTALLED. INSTALLER SHALL FIELD INSTALL (1) 1/4"-14x7/8" SELF DRILLING CRIMPITE SCREW TO ATTACH THE U-STRUT TO THE INTEGRAL RIB AND OPERATOR STYLE AT THE CENTERLINE OF THE DOOR PER DETAIL F ON SHEET 2.

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. SECTION SHALL BE CONSTRUCTED WITH FOAMED IN PLACE POLYURETHANE FOAM INSULATION CHEMICALLY BONDED TO 30 GA MINIMUM FACER STEEL AND A POLYAMINATE BACKER OR 32 GA STEEL BACKER. END CAP TO HAVE A MINIMUM 1.1" DEPTH.
6. 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.
7. DOOR JAMB TO BE MINIMUM 2x6 STRUCTURAL GRADE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
8. LOUVER OPTION (DETAIL I) - .08" MINIMUM LOUVERS IN MOLDED FRAMES, 19"x13.9" (DLO=15 1/2"x 10 1/2"). SCREWED TOGETHER WITH A MINIMUM OF (12) #8x1" 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.



13 GA HORIZ ANGLE  
16 GA MIN HORIZ TRACK  
5/16x1-5/8" LAG SCREWS AT EACH JAMB BRACKET  
1/4"-20x9/16" TRACK BOLT AND 1/4"-20 HEX NUT AT EACH JAMB BRACKET LOCATION  
15 GA STIFFENED JAMB BRACKETS SEE SCHEDULE FOR QUANTITY, LOCATION, AND TYPE  
KEY LOCK OR SLIDE LOCK BOTH ENDS (NOT REQUIRED WITH OPERATOR - SEE NOTE 4). SLIDE LOCK SHOWN FOR CLARITY

NOTE: (4) SECTION SOLD DOOR SHOWN, SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES AND SEE NOTES 1 AND 2 ON THIS SHEET FOR OPTIONS.

NOTE: (5) CENTER HINGES PER JOINT REQUIRED ON DOOR WIDTHS GREATER THAN 12'-0". (3) CENTER HINGES PER JOINT REQUIRED ON DOOR WIDTHS LESS THAN OR EQUAL TO 12'-0".

**REVISIONS**

- P4 CHANGES TO GENERAL FORMAT AND CHANGED U-BAR FASTENER TYPE AT END CAPS AND BOTTOM RETAINER CHANGED CENTER HINGE GAUGE AND ADDED LOUVER OPTION.
- P5 ADDED SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE AND CLARIFIED NUMBER OF FASTENERS AND CENTER HINGES REQUIRED FOR NARROWER DOOR WIDTHS. MRB 5/10/06
- P6 ADDED IMPACT RESISTANCE TO DOOR. ADDED MODEL 6100. MODIFIED NOTE 8 TO STATE THAT LOUVERS ARE NOT IMPACT RESISTANT. GRT 6/8/07
- P7 MODIFIED JAMB BRACKET SCHEDULE FOR FAT OPTION. ADDED LHR TRACK DETAIL SHEET 2. GRT 4/17/08
- P8 ADDED IMPACT RESISTANT GLAZING. ADDED TEXAS LICENSE NUMBER TO TITLE BLOCK. CHANGED LOUVER NOTE INCREASED MAX HEIGHT TO 8'-9". ADDED HIGH LIFT AND ROOF PITCH TRACK NOTE. GRT 7/22/08
- P9 UPDATED TITLE BLOCK GRT 8/26/10
- P10 ER31526 ADDED 9605, AND BACKER NOTES ESC 5/23/2017
- REV K - UPDATED REVISION FROM NUMERIC TO ALPHA
- TLC 092920
- RE L - UPDATED REVISION ADDED NOTES FOR TDI
- RD 3/19/21
- RE M - UPDATED DRAWING FOR TDI
- TLC 4/20/21

**JAMB BRACKET SCHEDULE**

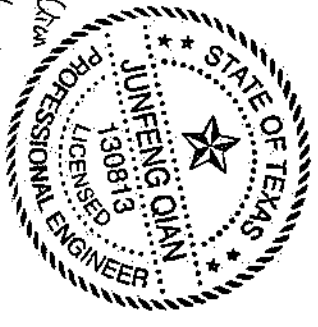
COMPLIES WITH THE REQUIREMENTS OF IBC/IRC 2018

DOOR HEIGHT	NO. OF BRACKETS (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), 53-1/4" (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 LEFT/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.

DOOR HEIGHT	NO. OF JAMB BRACKETS (EACH JAMB)	TRACK TYPE
7'-0"	4	Q1
7'-0"	4	FAT
8'-0"	5	Q1
8'-0"	5	FAT
> 8'-0"/HIGH LEFT/ROOF PITCH		SEE NOTE BELOW



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**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.

DOOR HEIGHT	NO. OF JAMB BRACKETS (EACH JAMB)	TRACK TYPE
7'-0"	4	Q1
7'-0"	4	FAT
8'-0"	5	Q1
8'-0"	5	FAT
> 8'-0"/HIGH LEFT/ROOF PITCH		SEE NOTE BELOW

**Wayne Dalton**  
GARAGE DOORS

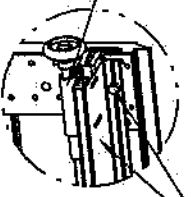
A DIVISION OF OVERHEAD DOOR CORP.  
3395 ADDISON DRIVE  
PENSACOLA, FLORIDA 32514  
(850) 474-9890

STATIC PRESSURE RATINGS	APPROVED SIZES	SCALE: N.T.S.
DESIGN (PSF): +25.90/-28.80	MAX WIDTH: 16'-0"	DATE
TEST (PSF): +38.85/-43.20	MAX HEIGHT: 8'-9"	NAME
IMPACT/CYCLIC RATED (YES/NO): YES	MAX SECTION HEIGHT: 21" (CHECKED)	GRT
MODELS 5120/9100/9605		TLC

WINDLOAD SPECIFICATION OPTION CODE 0230	SHEET 1 OF 3	REV.
	DRAWING PART NO. 318960	M

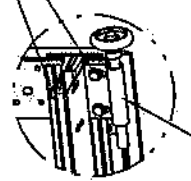
REVISIONS

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



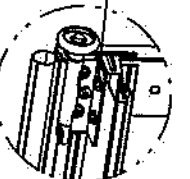
DETAIL A

PLACE U-BAR OVER INTEGRAL RIB WITH THE (8) PRE-PUNCHED HOLES EACH END FACING UPWARD AND ATTACH THRU END CAP AT EACH END WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS FOR STANDARD TRACK AND (3) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS FOR LOW HEADROOM TRACK (2 OF WHICH ARE USED TO ATTACH THE TOP BRACKET AS SHOWN).



LOW HEADROOM TRACK  
DETAIL B

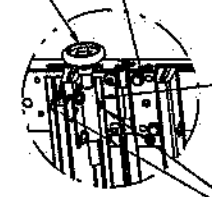
13 GA ADJUSTABLE TOP FIXTURE



IMPACT BOTTOM BRACKET  
DETAIL C

ATTACH BOTTOM BRACKET TO BOTTOM U-BAR WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS

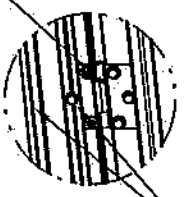
13 GA ROLLER SLIDE ATTACHED TO PRE-PUNCHED HOLES IN TOP OF U-BAR WITH (2) 1/4-14x5/8" CRIMPITE SCREWS. USE WEING HOLE IN SLIDE TO ENSURE PROPER ALIGNMENT OF ROLLERS



DETAIL D

PLACE U-BAR OVER INTEGRAL RIB WITH THE (8) PRE-PUNCHED HOLES EACH END FACING UPWARD AND ATTACH THRU END CAP AT EACH END WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS EXCEPT: U-BAR PLACED OVER TOP RIB ON THE BOTTOM SECTION SHALL ONLY BE ATTACHED THRU END CAP AT EACH END WITH (1) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREW LOCATED ON THE BOTTOM FLANGE OF THE U-BAR

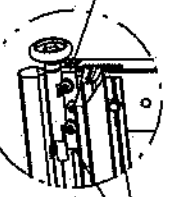
18 GA HINGE ATTACHED WITH (6) 1/4-20x5/8" CRIMPITE SCREWS (2 OF WHICH ARE FACTORY ATTACHED, 3 OF WHICH ARE FIELD INSTALLED INTO TOP LEAF, AND 1 OF WHICH IS FIELD INSTALLED THRU PRE-PUNCHED HOLE IN U-BAR)



DETAIL E

PLACE U-BAR OVER INTEGRAL RIB AND ATTACH WITH (2) 1/4-20x5/8" CRIMPITE SCREWS THRU PRE-PUNCHED HOLES AT EACH INTERMEDIATE HINGE LOCATION (1 THRU FLANGE OF U-BAR AND BOTTOM HINGE LEAF AND 1 THRU WEB OF U-BAR AND INTEGRAL RIB OF SECTION)

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

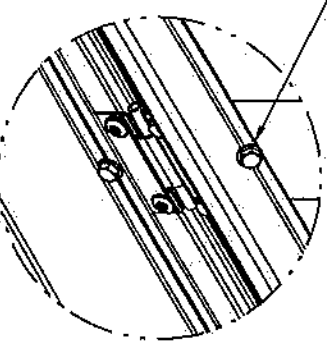


DETAIL F

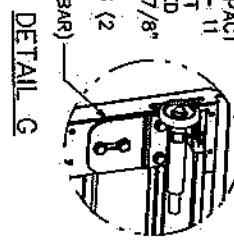
FOR IMPACT RESISTANCE, BOTTOM BRACKET MUST BE SCREWED TO THE BOTTOM U-BAR WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS. SEE IMPACT BOTTOM BRACKET DETAIL THIS SHEET.

PLACE U-BAR OVER INTEGRAL RIB WITH NOTCH DOWN TO CLEAR BOTTOM BRACKET 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 G



USED ONLY ON IMPACT GLAZED SECTION - 11 GA REINFORCEMENT BRACKET ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS (2 THROUGH BOTH BRACKET AND U-BAR)

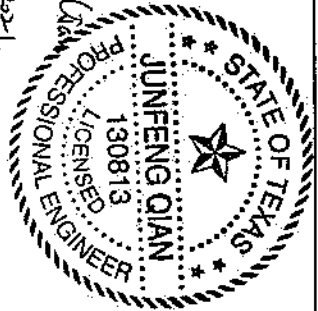
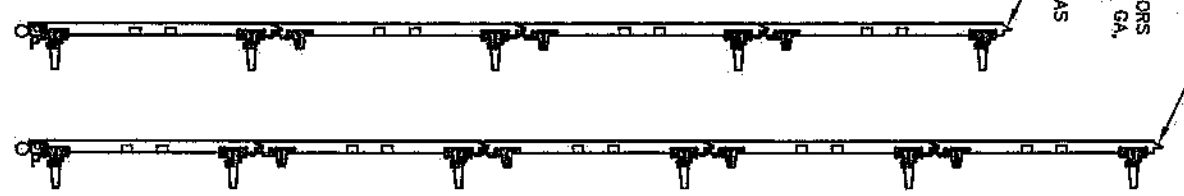


DETAIL H

(4) SECTION DOORS WITH (5) 3" 18 GA. 80 KSI U-BARS LOCATED OVER INTEGRAL RIBS AS SHOWN

(5) SECTION DOORS WITH (6) 3" 18 GA. 80 KSI U-BARS LOCATED OVER INTEGRAL RIBS AS SHOWN

- 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 SHALL 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 SHALL 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.



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4/20/2021

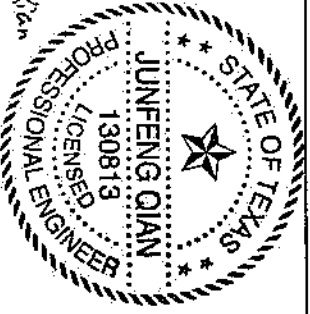
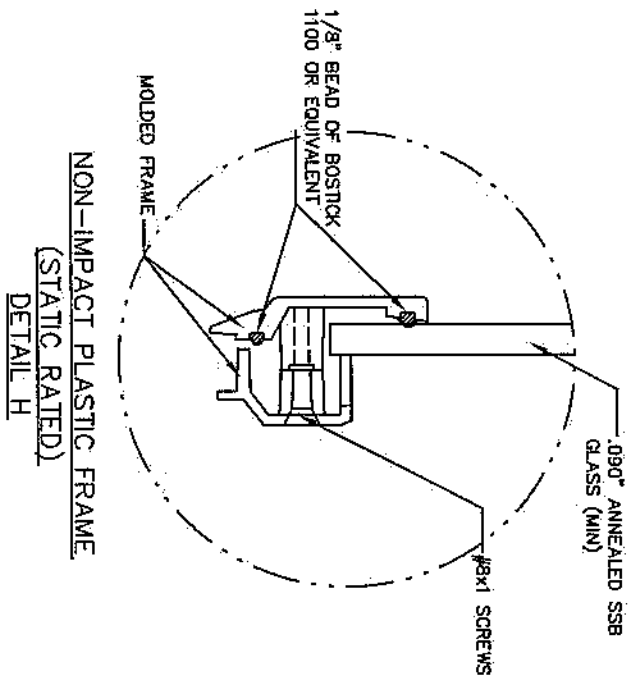
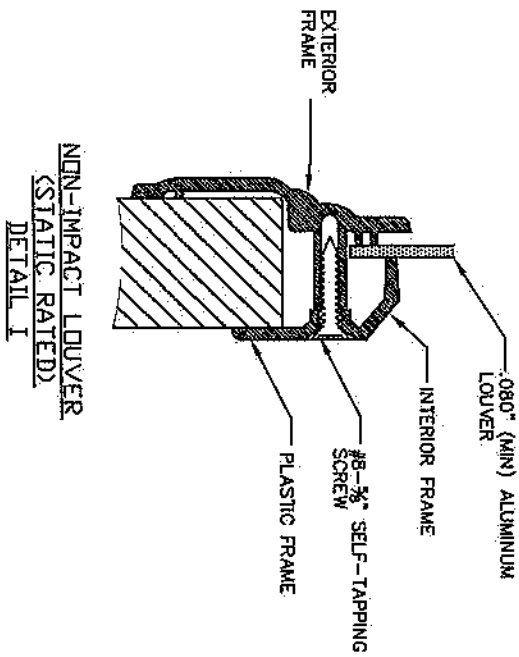
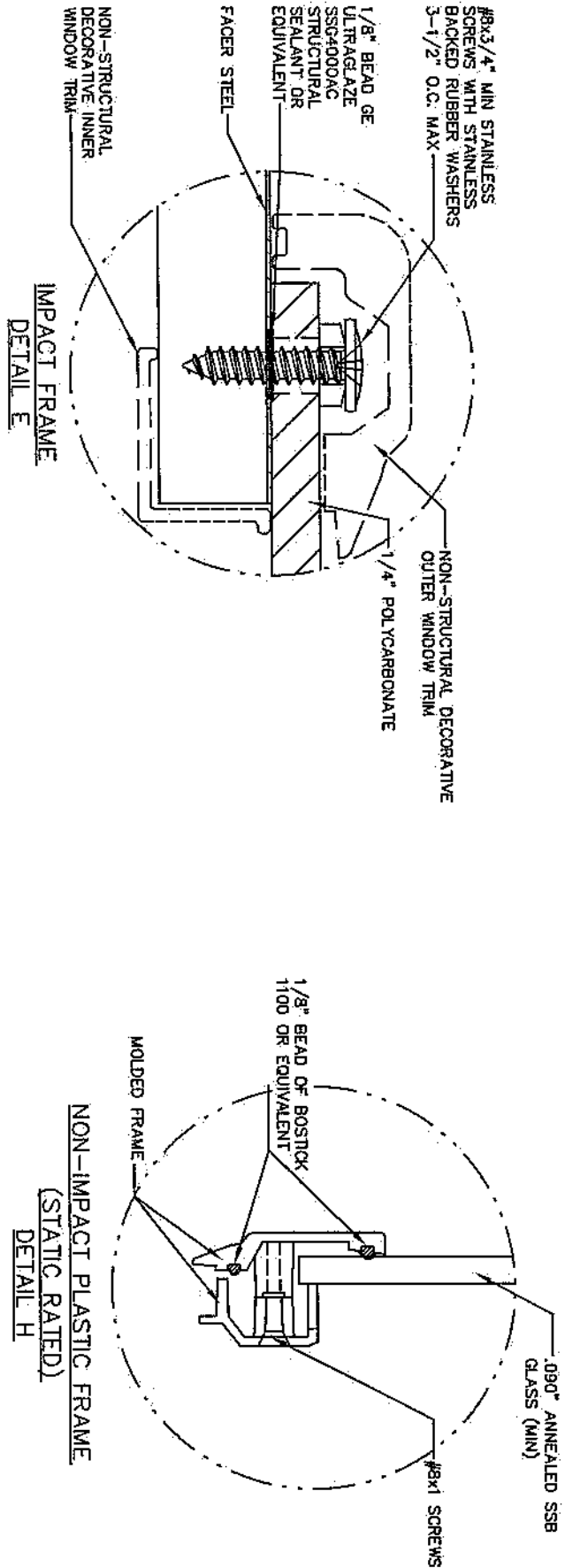
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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.	
DESIGN (PSF):	+25.90/-28.80	MAX WIDTH:	16'-0"	DATE:	3/8/06
TEST (PSF):	+58.85/-43.20	MAX HEIGHT:	8'-9"	DRAWN:	GRT
IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT:	21"	CHECKED:	4/20/21
MODELS 5120/9100/9605			SHEET 2 OF 3		
WINDLOAD SPECIFICATION OPTION CODE 0230			DRAWING PART NO. 318960		
			REV. M		



*Junfeng Qian*  
4/30/2021

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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
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IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT:	21'	CHECKED		TLC	
MODELS 5120/9100/9605				SHEET 3 OF 3		DRAWING PART NO. 318960	
WINDLOAD SPECIFICATION OPTION CODE 0230				REV. M			