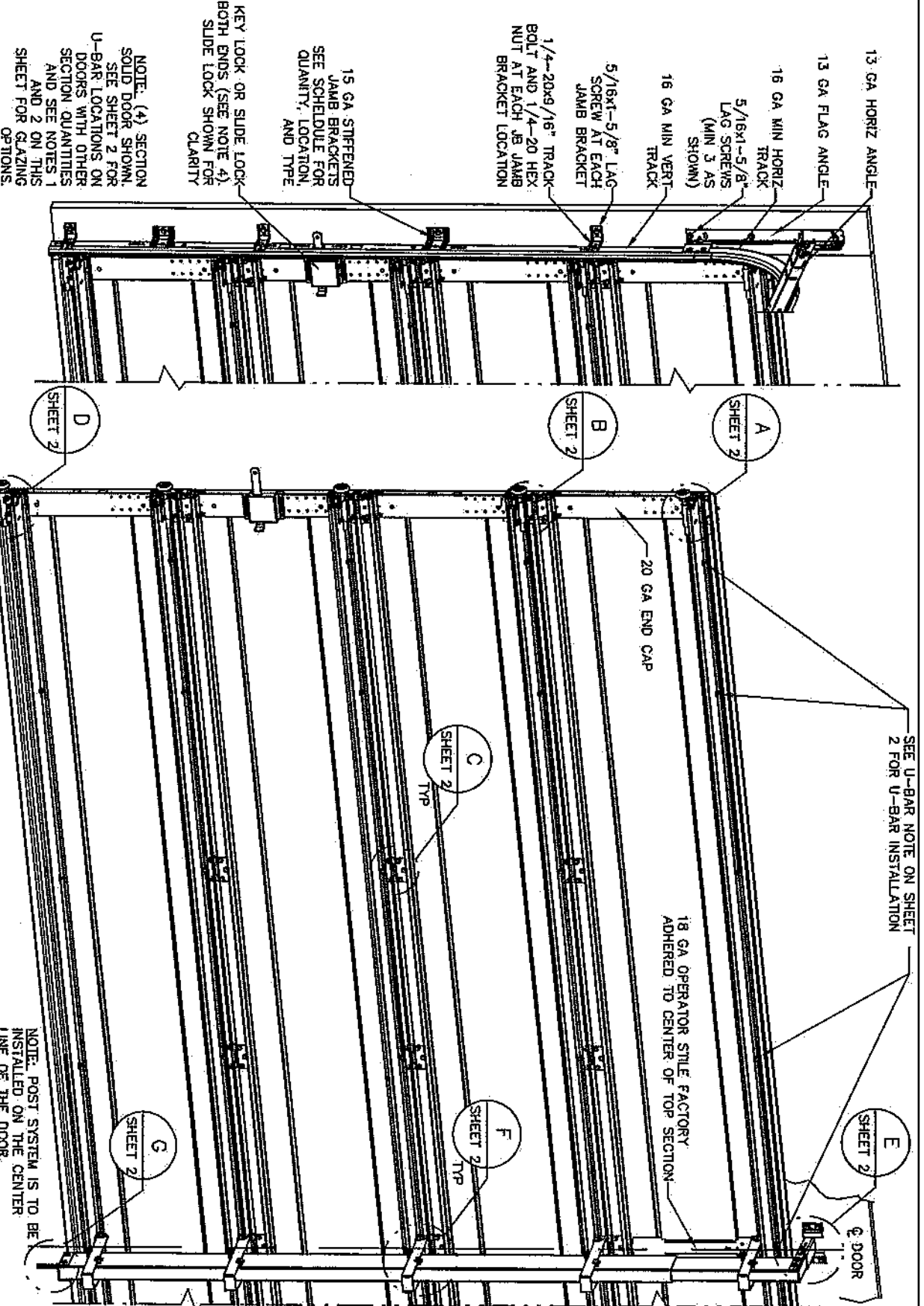


- NOTES:**
- NON-IMPACT RESISTANT GLAZING (DETAIL H) - .090" MINIMUM SSB GLAZING IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (10) #8x1" SCREWS ((3) ALONG EACH HORIZONTAL LEG AND (2) ALONG EACH VERTICAL LEG) FOR GLAZING WITH A MAXIMUM LENGTH OF 16.75" OR (10) #8x1" SCREWS FOR GLAZING WITH A MAXIMUM LENGTH OF 39" INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS) MEETS UNIFORM STATIC PRESSURES SHOWN ON THIS DRAWING. GLAZING SHALL HAVE A MAXIMUM HEIGHT OF 13.75" 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 X) - IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS). GLAZING SHALL BE 1/4" MARQUELON-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), 1/8" BAR J-STRUT SCREWED TO LOWER INTEGRAL RIB OF SECTION AND OPERATOR STILE TO BE FACTORY INSTALLED. INSTALLER SHALL FIELD INSTALL (1) 1/4"-14x7/8" SELF DRILLING GRAPPLITE SCREW TO ATTACH THE J-STRUT TO THE INTEGRAL RIB AND OPERATOR STILE AT THE CENTERLINE OF THE DOOR PER DETAIL F ON SHEET 2.

- KEY LOCK OR SLIDE LOCKS REQUIRED.
- SECTION SHALL BE CONSTRUCTED WITH FOAMED IN PLACE POLYURETHANE FOAM INSULATION CHEMICALLY BONDED TO 30 GA MINIMUM GAGE STEEL AND A POLYLAMINATE BACKER, OR 32 GA STEEL BACKER. END CAP TO HAVE A MINIMUM 1.1" 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 I) - .08" MINIMUM LOUVERS IN MOLDED FRAMES, 18"x13.9" (OLO=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. LOUVERED SECTION REQUIRES OPERATOR STILE TO BE FACTORY INSTALLED AT THE CENTERLINE OF THE DOOR.



JAMB BRACKET SCHEDULE

DOOR HEIGHT SECTIONS (EACH JAMB)	NO. OF BRACKETS (EACH JAMB)	TRACK TYPE	LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2")
7'-0"	4	Q1	2" (JB), 13" (Q), 28-1/2" (JB), 45-1/4" (Q), 63" (JB)
7'-0"	4	FAT	2" (JB), 10" (JB), 25-3/4" (JB), 42" (JB), 63-1/4" (JB)
8'-0"	5	Q1	2" (JB), 13" (Q), 23" (JB), 34" (JB), 47-1/4" (Q), 67" (Q)
8'-0"	5	FAT	2" (JB), 10" (JB), 21-3/4" (JB), 29-3/4" (JB), 48" (JB), 66" (JB)
> 8'-0" / HIGH LIFT / ROOF PITCH			SEE NOTE BELOW

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

MAX DOOR WIDTH	MAX DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)	POINT LOAD AT HEADER AND SLAB AT EACH POST LOCATION (LBS)
18'-0"	8'-0"	+126.1/-167.3	+1237.5/-1381.9
		+126.1/-167.3	+1406.3/-1570.3

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



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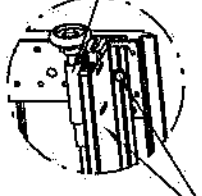
COMPLIES WITH THE REQUIREMENTS OF 18C/IRC 2018

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STATIC PRESSURE RATINGS:	APPROVED SIZES:	SCALE:	N.T.S.	SIZE:	A
DESIGN (PSF): +30.00/-33.50	MAX WIDTH: 18'-0"			DATE	NAME
TEST (PSF): +45.00/-50.25	MAX HEIGHT: 8'-0"			3/3/06	GRT
IMPACT/CYCLIC RATED (YES/NO): YES	MAX SECTION HEIGHT: 21'	CHECKED	4/20/21	TLC	
MODELS 5120/9100/9605		SHEET 1 OF 3		DRAWING PART NO.	REV.
WINDLOAD SPECIFICATION OPTION CODE 0236		319024		H	

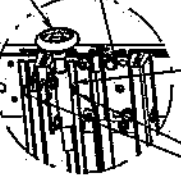
- REVISIONS**
- P1 REVISED SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE MRB 5/10/06
 - P2 ADDED SHORT PANEL GLAZING OPTION (NOTE 1) GRT 6/30/06
 - P3 ADDED IMPACT RESISTANCE TO DOOR. ADDED JB JAMB BRACKET AT 2' LOCATION. MODIFIED NOTE 9 TO STATE THAT LOUVERS ARE NOT IMPACT RESISTANT. GRT 6/6/07
 - P4 MODIFIED JAMB BRACKET SCHEDULE FOR FAT OPTION. ADDED LHR TRACK DETAIL SHEET 2. GRT 4/17/08
 - P5 ADDED IMPACT RESISTANT GLAZING. ADDED CONCRETE DETAIL SHEET 2. ADDED TEXAS LICENSE NUMBER TO TITLE BLOCK. CHANGED LOUVER NOTE. ADDED HIGH LIFT AND ROOF PITCH TRACK NOTE. GRT 7/22/08
 - P6 UPDATED TITLE BLOCK GRT 8/26/10
 - P7 ER31526 ADDED 9605 AND BACKER NOTES ESC 5/23/17
 - REV F - UPDATED REVISION FROM NUMERIC TO ALPHA TLC 9/29/20
 - REV G - ADDED NOTES FOR TDI SW 5/26/21
 - REV H - UPDATED DRAWING FOR TDI TLC 04/20/2021

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

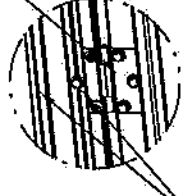
13 GA ROLLER SLIDE ATTACHED TO PRE-PUNCHED HOLES IN TOP OF U-BAR WITH (2) 1/4-14x5/8" CRIMPITE SCREWS. USE VIEWING HOLE IN SLIDE TO ENSURE PROPER ALIGNMENT OF ROLLERS



DETAIL B

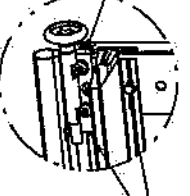
2" NYLON STORMGARD ROLLER WITH 4-1/2" STEM

18 GA HINGE ATTACHED WITH (5) 1/4-20x5/8" CRIMPITE SCREWS AND (1) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREW (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 C

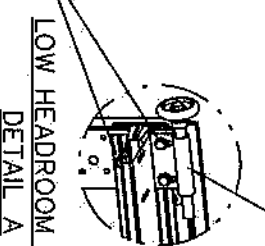
12 GA BOTTOM BRACKET FACTORY ATTACHED WITH (3) 1/4-14x5/8" CRIMPITE SCREWS



DETAIL D

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 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 ATTACHED THE TOP BRACKET AS SHOWN)



DETAIL A

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) EXCEPT: AT ALL LOCATIONS REQUIRING A STRAP BRACKET, (1) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREW WILL BE USED.

NOTE: DUE TO CLEARANCES REQUIRED TO INSTALL SCREWS AT THE ENDS OF THE U-BARS, ALL U-BARS SHALL BE INSTALLED ON SECTIONS PRIOR TO INSTALLING ROLLER SLIDES AND TOP FIXTURE ON THE U-BARS. SEE ATTACHMENT NOTES ON THIS SHEET.

13 GA ADJUSTABLE TOP FIXTURE

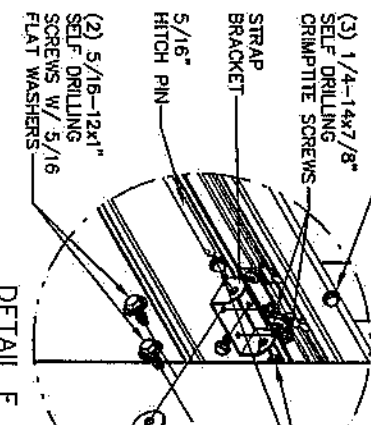


DETAIL J

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 I

(1) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREW AT CENTER LINE OF DOOR THRU J-STRUT & OPERATOR BRACKET. NOTE: J-STRUT & SCREW ONLY REQUIRED ON GLAZED SECTIONS. SEE NOTES 1 & 2 SHEET 1



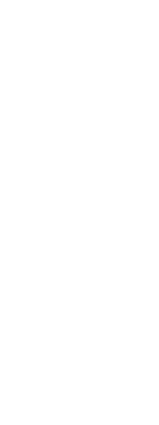
DETAIL E

(2) 5/16-12x1" SELF DRILLING SCREWS W/ 5/16" FLAT WASHERS



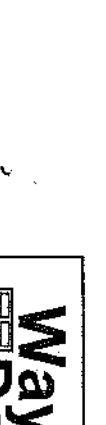
DETAIL F

(3) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS



DETAIL G

1/2-13x3-1/2" HEX BOLT & NUT



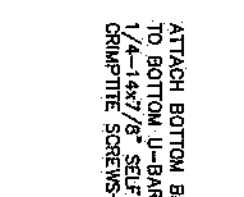
DETAIL H

HEADER LOCK BRACKET



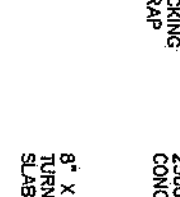
DETAIL I

(4) 5/16x1-5/8" LAG SCREWS



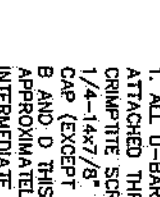
DETAIL K

5/16-18x2-1/2" HEX BOLT & NUT



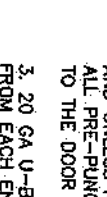
DETAIL L

(4) 5/16-12x1" SELF DRILLING SCREWS



DETAIL M

(5) SECTION DOORS WITH (6) 3", 20 GA, 80 KSI U-BARS LOCATED OVER INTEGRAL RIBS AS SHOWN



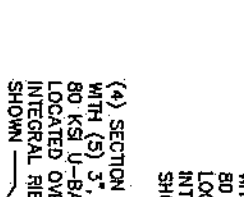
DETAIL N

TOP PLATE EXTENSION TOP LOCK



DETAIL O

(4) 5/16-12x1" SELF DRILLING SCREWS



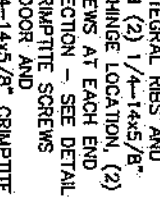
DETAIL P

(4) SECTION DOORS WITH (5) 3", 20 GA, 80 KSI U-BARS LOCATED OVER INTEGRAL RIBS AS SHOWN



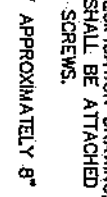
DETAIL Q

2500 PSI MIN CONCRETE



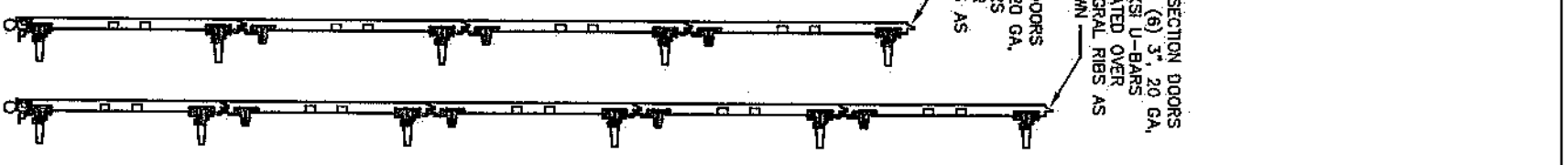
DETAIL R

8" X 8" MIN TURNDOWN SLAB AT EDGE



DETAIL S

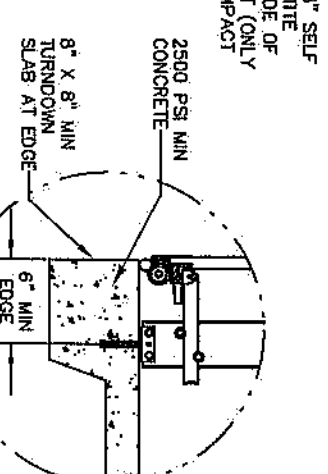
REVISIONS



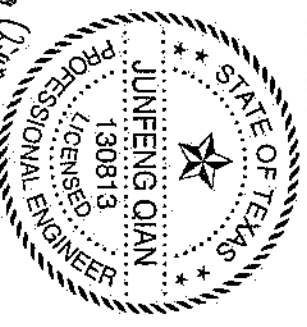
U-BAR ATTACHMENT NOTES

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. 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.
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. 20 GA U-BARS SHALL BE STAMPED ".34" APPROXIMATELY 8" FROM EACH END.

IMPACT BOTTOM BRACKET



CONCRETE DETAIL



Junfeng Qian
4/30/2021

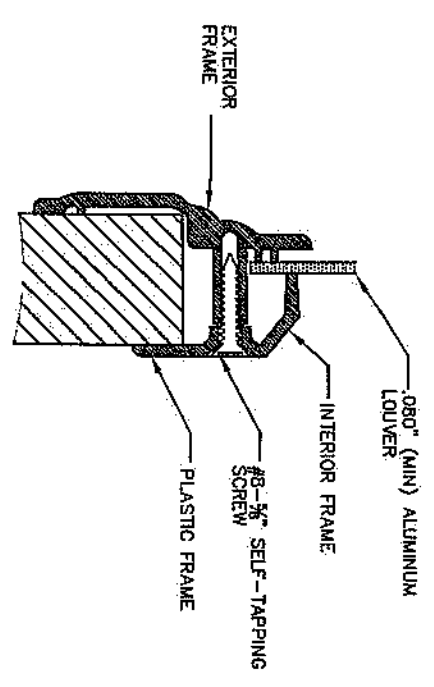
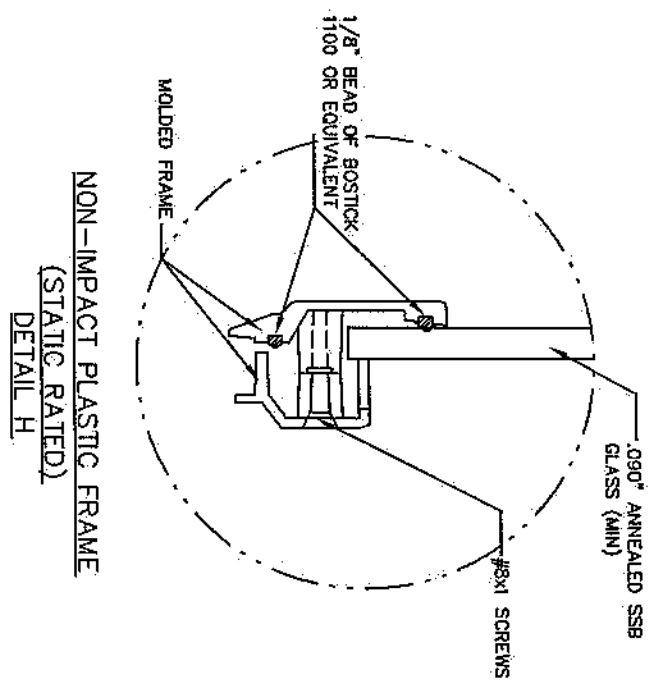
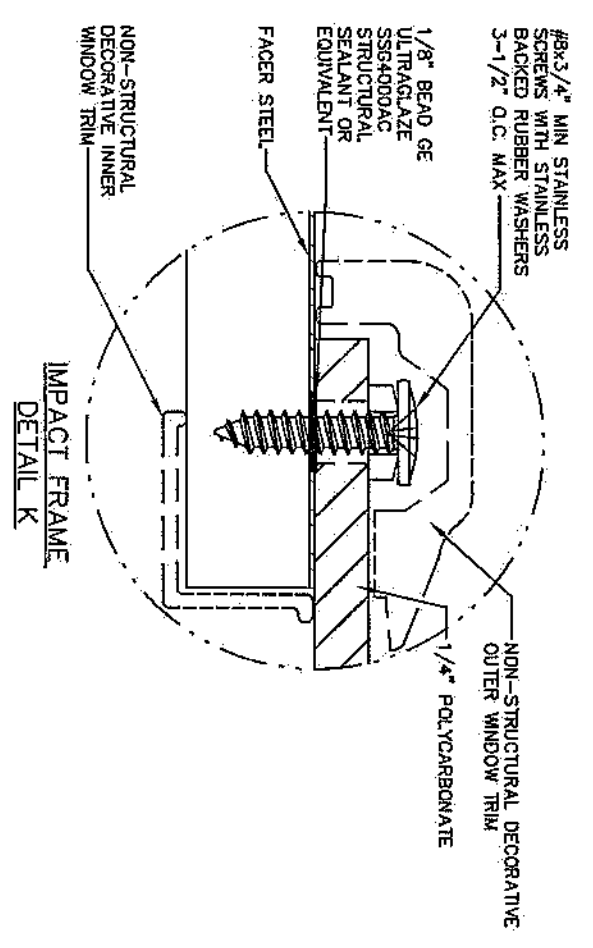
JUNFENG QIAN
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MCKENNEY, TEXAS 75070
TEXAS PE 138913

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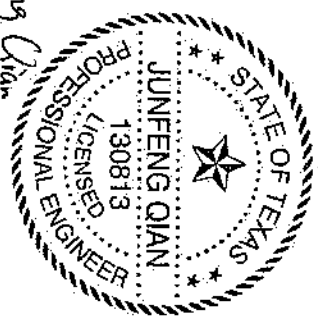
Wayne Dalton
GARAGE DOORS

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3395 ADDISON DRIVE
PENSACOLA, FLORIDA 32514
(850) 474-8890

STATIC PRESSURE RATINGS	APPROVED SIZES	SCALE: N.T.S.	SIZE: A
DESIGN (PSF): +30.00/-33.50	MAX WIDTH: 18'-0"		
TEST (PSF): +45.00/-50.25	MAX HEIGHT: 8'-0"	DATE: 3/3/06	NAME: GRT
IMPACT/CYCLIC RATED (YES/NO): YES	MAX SECTION HEIGHT: 21"	DRAWN: 4/20/21	REV: TLC
MODELS 5120/9100/9605		SHEET 2 OF 3	
WINDLOAD SPECIFICATION OPTION CODE 0236		DRAWING PART NO. 319024	REV. H



NON-IMPACT LOUVER
(STATIC RATED)
DETAIL I



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4/30/2021
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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+30.00/-33.50	MAX WIDTH:	18'-0"	DATE		NAME	
TEST (PSF):	+45.00/-50.25	MAX HEIGHT:	8'-0"	DRAWN	3/3/06	GRT	
IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT:	21'	CHECKED	4/20/21	TLC	
MODELS 5120/9100/9605				SHEET 3 OF 3		DRAWING PART NO. 319024	
WINDLOAD SPECIFICATION OPTION CODE 0236				REV. H			