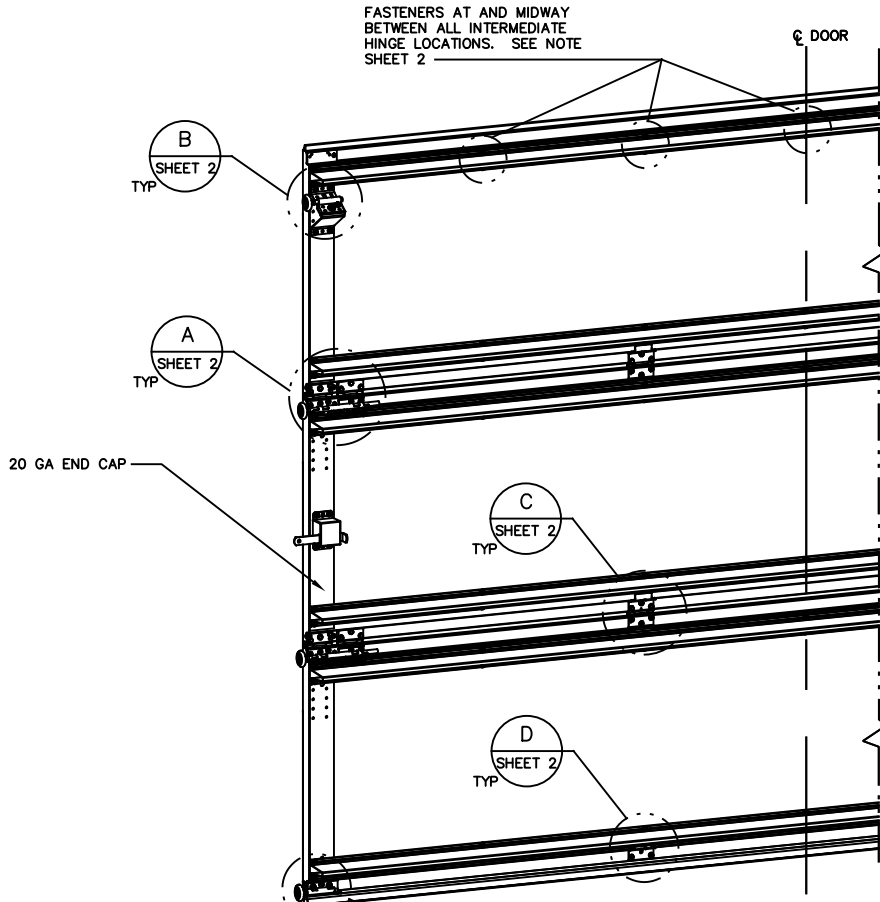
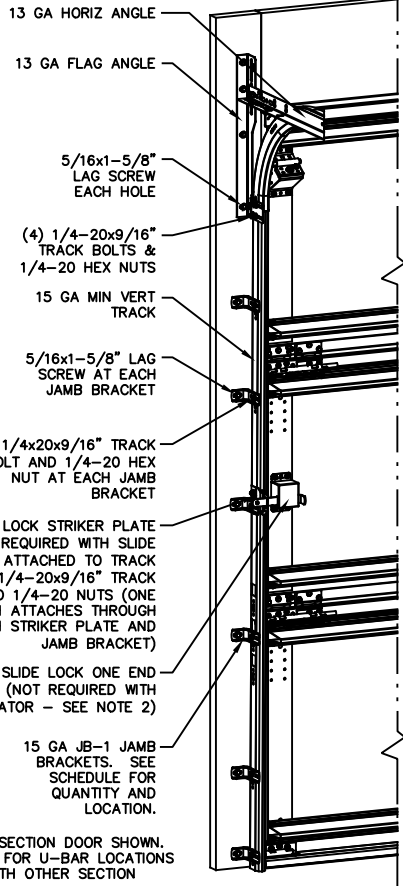


**NOTES:**

- 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.
- SLIDE LOCK OR OPERATOR REQUIRED. SINGLE LOCK WITH STANDARD LIFT, TWO LOCKS WITH LOW HEADROOM.
- 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.
- SECTION STEEL TO HAVE THE FOLLOWING MINIMUM THICKNESS:  
EXTERIOR - 27 GA  
INTERIOR - 30 GA
- DOOR JAMB TO BE MINIMUM 2x6 STRUCTURAL GRADE SOUTHERN PINE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
- FOR LOW HEAD ROOM LIFT CONDITIONS, TOP BRACKET SHALL BE A LHR TOP BRACKETS IN LIEU OF THE BRACKET SHOWN ON THIS DRAWING. SEE LHR DETAIL SHEET 2.
- SECTIONS SHALL HAVE A 20 GA BACKUP PLATE ACROSS THE TOP OF EACH SECTION FOR INTERNAL REINFORCEMENT.
- 11 GA ROLLER SLIDES WITH WELDED ENDS AND 11 GA REINFORCING BRACKETS REQUIRED FOR DOORS >8' TALL.

NOTE: (3) SECTION DOOR SHOWN. SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES.



**SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE**

DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
10'-0"	ALL	+205.0/-231.5

**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	6	2", 10", 26", 42", 53", 63"
8'-0"	4	8	2", 10", 26", 39", 48", 57", 66", 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.

COMPLIES WITH IBC/IRC 2018

**REVISIONS**

P3 CHANGES MADE PER ETC LABORATORIES TESTING AND CHANGES TO GENERAL FORMAT 1/16/06 GRT

P4 UPDATED DUE TO TESTING AND CHANGES IN GENERAL FORMAT 8-22-16 GAC

P5 UPDATED NOMENCLATURE ON ROLLERS TO 1144 GRADE STEEL 2-1-17 GAC ER 31281

F UPDATED PER PCR32744. UPDATED REV LEVELS TO ALPHABETICAL 12/8/21 SW



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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+41.00/-46.30	MAX WIDTH:	10'-0"	DATE		NAME	
TEST (PSF):	+61.50/-69.45	MAX HEIGHT:	14'-0"	DRAWN	1/16/06	GRT	
IMPACT/CYCLIC RATED (YES/NO):	NO	MAX SECTION HEIGHT:	28"	CHECKED	2/10/06	MRB	
MODELS 9700/9510						SHEET 1 OF 2	
WINDLOAD SPECIFICATION OPTION CODE 0519						DRAWING PART NO.	REV.
						313638	F

JOHN E. SCATES, PE  
2560 KING ARTHUR #124-54  
LEWISVILLE, TX 75056  
FL PE 51737 TX PE 56308/F-2203

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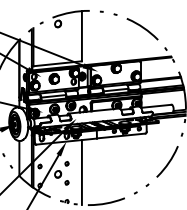
(2) 15 GA HINGE LEAFS ATTACHED WITH (3) 1/4-14x5/8" CRIMPTITE SCREWS EACH

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

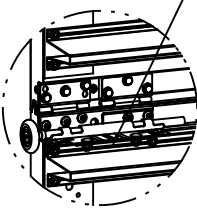
2" 1144 GRADE OR EQUIVALENT STEEL ROLLER WITH 9" STEM

13 GA ROLLER CARRIERS FACTORY ATTACHED TO HINGE BASE AND REINFORCING BRACKET. (EXCEPTION: NOTE #B)

13 GA REINFORCING BRACKET ATTACHED BENEATH HINGE BASE (EXCEPTION: NOTE #B)



BEFORE U-BAR INSTALLATION



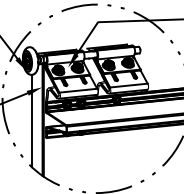
AFTER U-BAR INSTALLATION

DETAIL A

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)

2" 1144 GRADE STEEL ROLLER WITH 9" STEM  
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

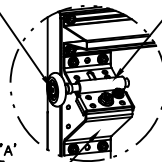
LOW HEADROOM TRACK



13 GA ROLLER SLIDE ATTACHED TO BRACKET WITH (2) 1/4-20 CARRIAGE BOLTS

DETAIL B

2" STEEL ROLLER WITH 4" STEM



STANDARD LIFT TRACK

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

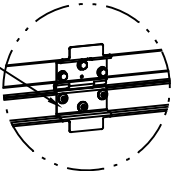
U-BAR LOCATIONS

(5) SECTION DOORS WITH (10) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN (TOP BRACKET REMOVED FOR CLARITY)

(4) SECTION DOORS WITH (8) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN (TOP BRACKET REMOVED FOR CLARITY)

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

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



BEFORE U-BAR INSTALLATION



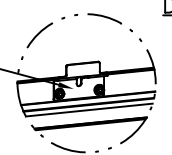
AFTER U-BAR INSTALLATION

DETAIL C

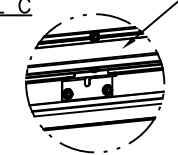
POSITION U-BAR ADJACENT TO HINGE LEAF AND ATTACH WITH (2) 1/4-14x5/8" CRIMPTITE SCREWS AS SHOWN

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)

15 GA HINGE BRACKET ATTACHED WITH (2) 1/4-20x7/8" SELF DRILLING SCREWS



BEFORE U-BAR INSTALLATION



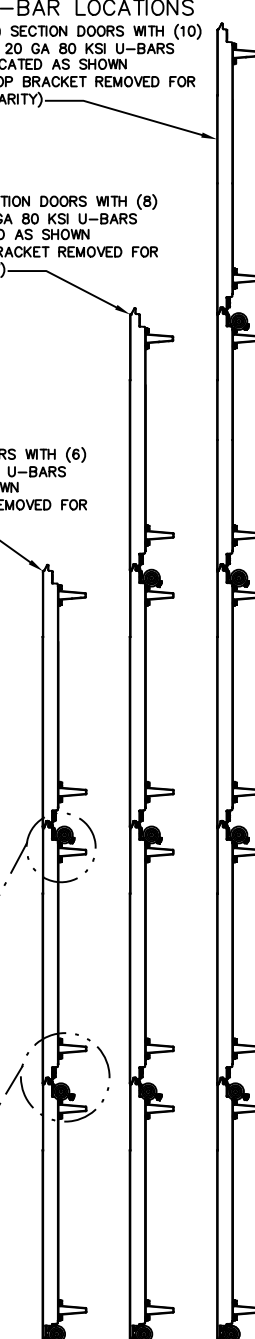
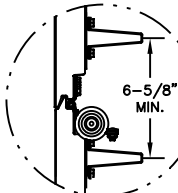
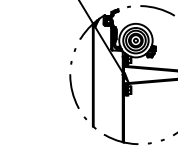
AFTER U-BAR INSTALLATION

DETAIL D

POSITION U-BAR OVER HINGE BRACKET 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 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 AND END CAPS (MINIMUM OF (14) 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.

NOTE: U-BARS SHOULD BE INSTALLED LEVEL ACROSS DOOR AND MAINTAIN A MINIMUM CENTERLINE SPACING OF 6-5/8" BETWEEN U-BARS ON ADJACENT SECTIONS



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MODELS 9700/9510						SHEET 2 OF 2	
WINDLOAD SPECIFICATION OPTION CODE 0519						DRAWING PART NO.	REV.
						313638	F