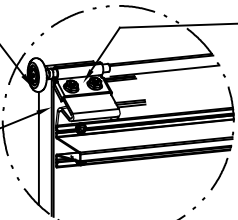




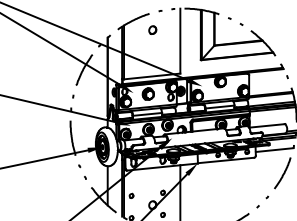
LOW HEADROOM TRACK

2" STEEL ROLLER WITH 4" 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



(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

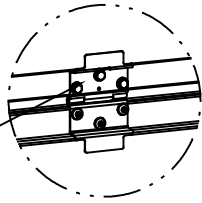


2" STEEL ROLLER WITH 9" STEM

13 GA ROLLER CARRIERS FACTORY ATTACHED TO HINGE BASE AND REINFORCING BRACKET. (EXCEPTION: NOTE #8)

BEFORE U-BAR INSTALLATION

13 GA REINFORCING BRACKET ATTACHED BENEATH HINGE BASE. (EXCEPTION: NOTE #8)

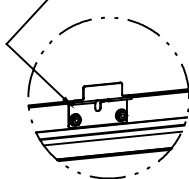


15 GA HINGE ATTACHED WITH (6) 1/4-14x5/8" CRIMPTITE SCREWS (3 OF WHICH ARE FACTORY ATTACHED)

BEFORE U-BAR INSTALLATION

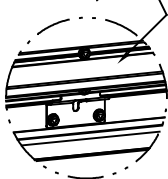
DETAIL C

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



BEFORE U-BAR INSTALLATION

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)



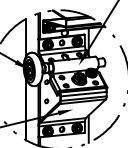
AFTER U-BAR INSTALLATION

DETAIL D

STANDARD LIFT TRACK

2" STEEL ROLLER WITH 4" STEM

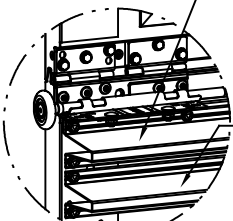
13 GA COMMERCIAL 'A' FRAME TOP BRACKET ATTACHED WITH (4) 1/4-20x7/8" SELF DRILLING SCREWS



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

DETAIL A

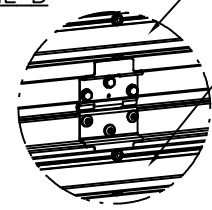
POSITION U-BAR OVER REINFORCING BRACKET AND ATTACH WITH (3) 1/4-20x7/8" SELF DRILLING SCREWS AS SHOWN (2 OF WHICH ATTACH THROUGH REINFORCING BRACKET)



POSITION SECOND U-BAR ADJACENT TO TOP U-BAR

AFTER U-BAR INSTALLATION

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)

AFTER U-BAR INSTALLATION

U-BAR LOCATIONS

(7) SECTION DOORS WITH (14) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN (TOP BRACKET REMOVED FOR CLARITY)

(6) SECTION DOORS WITH (12) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN (TOP BRACKET REMOVED FOR CLARITY)

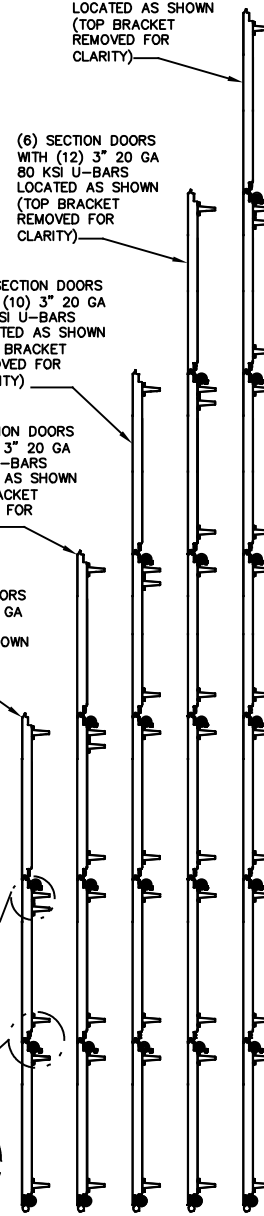
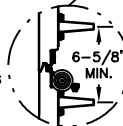
(5) SECTION DOORS WITH (10) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN (TOP BRACKET REMOVED FOR CLARITY)

(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)

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), MIDWAY BETWEEN INTERMEDIATE HINGE LOCATIONS, AND MIDWAY BETWEEN OUTSIDE INTERMEDIATE HINGE LOCATIONS AND END OF DOOR (MINIMUM OF (18) 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



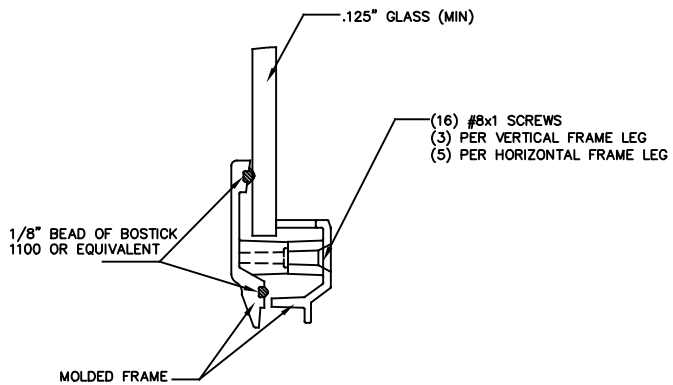
REVISIONS

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

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+18.50/-20.70	MAX WIDTH:	16'-0"	DATE	NAME		
		MAX HEIGHT:	14'-0"	DRAWN	1/17/06 GRT		
IMPACT/CYCLIC RATED (YES/NO):	NO	MAX SECTION HEIGHT: 28"	CHECKED	2/10/06		MRB	
MODELS 9700/9510				SHEET 2 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 0524				DRAWING PART NO.		REV.	
				313639		G	

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

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



NON-IMPACT PLASTIC FRAME  
(STATIC RATED)

DETAIL E

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

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3395 ADDISON DRIVE  
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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+18.50/-20.70	MAX WIDTH:	16'-0"	DATE	1/17/06	NAME	GRT
IMPACT/CYCLIC RATED (YES/NO):	NO	MAX HEIGHT:	14'-0"	DRAWN	2/10/06	REV.	MRB
				MAX SECTION HEIGHT: 28"	CHECKED	SHEET 3 OF 3	
MODELS 9700/9510						DRAWING PART NO.	REV.
WINDLOAD SPECIFICATION OPTION CODE 0524						313639	G