

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF): +39.20/-43.70		MAX WIDTH: 18'-0"		DATE		NAME	
TEST (PSF): +58.80/-65.55		MAX HEIGHT: 8'-0"		DRAWN		GRT	
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 24"		CHECKED		4/6/06	
MODELS 5120/5145/9100/9405/9600				SHEET 1 OF 2			
				DRAWING PART NO.		REV.	
WINDLOAD SPECIFICATION OPTION CODE 0609				319035		F	

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

DETAIL A

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

15 GA HINGE ATTACHED
WITH (4) 1/4-14x5/8"
CRIMPTITE SCREWS (2 OF
WHICH ARE FACTORY
ATTACHED)

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

DETAIL B

18 GA HINGE ATTACHED
WITH (6) 1/4-20x5/8"
CRIMPTITE 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 C

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

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 CRIMPTITE SCREWS
FOR STANDARD TRACK AND (3)
1/4-14x7/8" SELF DRILLING
CRIMPTITE SCREWS FOR LOW
HEADROOM TRACK (2 OF WHICH
ARE USED TO ATTACHED THE TOP
BRACKET AS SHOWN).

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 CRIMPTITE SCREWS
EXCEPTION: 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 CRIMPTITE SCREW
LOCATED ON THE BOTTOM FLANGE
OF THE U-BAR

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.

PLACE U-BAR OVER INTEGRAL
RIB AND ATTACH WITH (2)
1/4-20x5/8" CRIMPTITE 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)
EXCEPTION: AT ALL LOCATIONS
REQUIRING A STRAP BRACKET, (1)
1/4-14x7/8" SELF DRILLING
CRIMPTITE SCREW WILL BE USED.

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
CRIMPTITE SCREW AS SHOWN AND
USE (1) 1/4-14x7/8" SELF
DRILLING CRIMPTITE SCREW ACROSS
THE BOTTOM OF THE BOTTOM
U-BAR AT EACH PRE-PUNCHED
HOLE AT EVERY HINGE LOCATION.
USE (1) 1/4-20x5/8" CRIMPTITE
SCREW AT ALL OTHER
PRE-PUNCHED HOLE LOCATIONS.

LOW HEADROOM TRACK
DETAIL A

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

STRAP
BRACKET

5/16"
HITCH PIN

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

DETAIL F

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

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

DETAIL G

13 GA ADJUSTABLE
TOP FIXTURE

HEADER LOCK
BRACKET

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

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

MODELS 5120/9100

HEADER

TOP PLATE
EXTENSION

TOP LOCK
PLATE

HEADER LOCK
BRACKET

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

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

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

INNER POST

DETAIL E

MODEL 6100

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

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

2500 PSI MIN
CONCRETE

8" X 8" MIN
TURNDOWN
SLAB AT EDGE

6" MIN
EDGE
DISTANCE

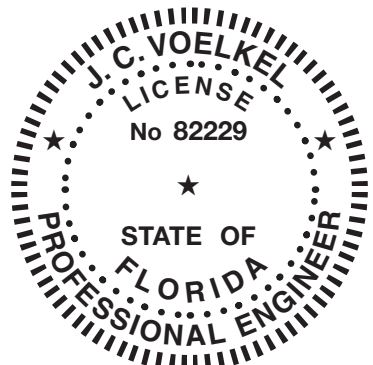
CONCRETE DETAIL

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"
CRIMPTITE SCREWS AT EACH INTERMEDIATE HINGE LOCATION,
(2) 1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS AT EACH
END CAP (EXCEPT BOTH U-BARS ON BOTTOM SECTION - SEE
DETAIL B AND D THIS SHEET), (2) 1/4-14x5/8" CRIMPTITE
SCREWS APPROXIMATELY MIDWAY BETWEEN END OF DOOR AND
INTERMEDIATE HINGE LOCATION, AND (1) 1/4-14x5/8"
CRIMPTITE 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" CRIMPTITE SCREWS.

3. 18 GA U-BARS SHALL BE STAMPED "46" APPROXIMATELY
8" FROM EACH END.



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

Wayne Dalton
GARAGE DOORS

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