

NOTES:

1. NON-IMPACT RESISTANT GLAZING IS AVAILABLE UP TO CLEAR OPENING WIDTH OF 40'-1/4" AND HEIGHT OF 13". GLASS OF 0.090" THICK (SSB) MAY BE USED IN WIDTHS UP TO 38'-1/4". FOR WIDER LITES, 0.125" THICK (DSB) MUST BE USED. TEMPERED GLASS IS ALSO ALLOWED. LITES ARE AVAILABLE IN THE 3RD SECTION OR HIGHER ON THE DOOR. ANY SECTION WITH LITES MUST HAVE A CENTER/OPERATOR STILE AT MID SPAN. ATTACH THE J-STRT TO THE INTEGRAL RIBAND OPERATORSTILE AT THE CENTERLINE OF THE DOOR PER DETAIL F ON SHEET 2.

2. MAXIMUM CLEAR OPENING HEIGHT FOR LITES IN 19" TALL SECTIONS IS 11'-1/4".

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 LOCK, 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 POLYLAMINATE BACKER OR 32GA 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 SPF LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.

8. LOUVER OPTION - .040" MINIMUM LOUVERS IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (6) #8x1" SCREWS INSTALLED IN THE BOTTOM SECTION. LOUVERS ARE NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS.

NOTE: SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES.

KEY LOCK OR SLIDE LOCK BOTH ENDS (SEE NOTE 2). SLIDE LOCK SHOWN FOR CLARITY

15 GA STIFFENED JAMB BRACKETS SEE SCHEDULE FOR QUANTITY, LOCATION, AND TYPE

1/4"-20x9/16" TRACK BOLT AND 1/4"-20 HEX NUT AT EACH JB JAMB BRACKET LOCATION

13 GA HORIZ ANGLE

13 GA FLAG ANGLE

16 GA MIN HORIZ TRACK

5/16x1-5/8" LAG SCREW (MIN 3 AS SHOWN)

16 GA MIN VERT TRACK

5/16x1-5/8" LAG SCREW AT EACH JAMB BRACKET

A
SHEET 2

B
SHEET 2

D
SHEET 2

SEE U-BAR NOTE ON SHEET 2 FOR U-BAR INSTALLATION

E
SHEET 2

F
SHEET 2
TYP

G
SHEET 2

NOTE: POST SYSTEM IS TO BE INSTALLED ON THE CENTER LINE OF THE DOOR. SEE WINDLOAD POST INSTALLATION INSTRUCTIONS.

REVISIONS

JAMB BRACKET SCHEDULE

DOOR HEIGHT	NO. OF SECTIONS	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	4	QI	13" (QI), 25-1/2" (JB), 45-1/4" (QI), 63" (JB)
7'-0"	4	4	FAT	10" (JB), 21-3/4" (JB), 42" (JB), 63-1/4" (JB)
8'-0"	4 OR 5	5	QI	13" (QI), 23" (JB), 34" (JB), 47-1/4" (QI), 67" (QI)
8'-0"	4 OR 5	5	FAT	10" (JB), 21-3/4" (JB), 29-3/4" (JB), 48" (JB), 66" (JB)
HIGH LIFT/ROOF PITCH				SEE NOTE BELOW

NOTE:

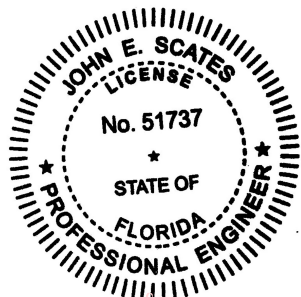
(JB) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4"-20x9/16" TRACK BOLT AND NUT.

(QI) 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.

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"	7'-0"	+126.1/-167.3	+1237.5/-1381.9
	8'-0"	+126.1/-167.3	+1406.3/-1570.3



Digitally signed by John E. Scates, P.E.
Date: 2020.09.11 15:44:58 -05'00'

JOHN E. SCATES, PE
3121 FAIRGATE DR.
CARROLLTON, TX 75007
FL PE 51737 TX PE 56308/F2203
PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.



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): +30.00/-33.50		MAX WIDTH: 18'-0"			DATE		NAME		
TEST (PSF): +45.00/-50.25		MAX HEIGHT: 8'-0"		DRAWN		12/2/16		GAC	
IMPACT/CYCLIC RATED (YES/NO): NO		MAX SECTION HEIGHT: 24"		CHECKED		12/2/16		DK	
MODELS 5120/514X/9100/940X/960X				SHEET 1 OF 2					
				DRAWING PART NO.			REV.		
WINDLOAD SPECIFICATION OPTION CODE 0613				360636			P00		

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

DETAIL A

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

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

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

DETAIL B

15 GA HINGE ATTACHED
WITH (6) 1/4-20x5/8"
CRIMPITITE 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"
CRIMPITITE 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 CRIMPITITE SCREWS
FOR STANDARD TRACK AND (3)
1/4-14x7/8" SELF DRILLING
CRIMPITITE SCREWS FOR LOW
HEADROOM TRACK (2 OF WHICH
ARE USED TO ATTACH 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 CRIMPITITE 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 CRIMPITITE 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" CRIMPITITE 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
CRIMPITITE 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
CRIMPITITE SCREW AS SHOWN AND
USE (1) 1/4-14x7/8" SELF
DRILLING CRIMPITITE SCREW ACROSS
THE BOTTOM OF THE BOTTOM
U-BAR AT EACH PRE-PUNCHED
HOLE AT EVERY HINGE LOCATION.
USE (1) 1/4-20x5/8" CRIMPITITE
SCREW AT ALL OTHER
PRE-PUNCHED HOLE LOCATIONS.

LOW HEADROOM TRACK
DETAIL A

NOTE: J-STRUT ONLY REQUIRED ON
GLAZED SECTIONS. SEE NOTE 1 ON SHEET 1

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

STRAP
BRACKET

5/16"
HITCH PIN

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

DETAIL E

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

DETAIL E

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

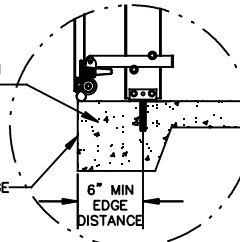
MODEL 6100

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

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

2500 PSI MIN
CONCRETE

8" X 8" MIN
TURNDOWN
SLAB AT EDGE



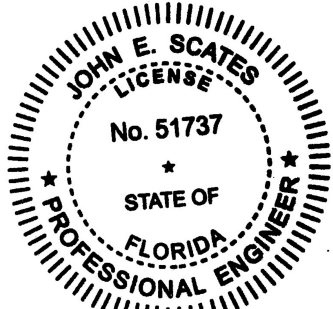
CONCRETE DETAIL

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

3. 20 GA U-BARS SHALL BE STAMPED "34" APPROXIMATELY
8" FROM EACH END.



JOHN E. SCATES, PE
3121 FAIRGATE DR.
CARROLLTON, TX 75007
FL PE 51737 TX PE 56308/F2203
PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR
VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.



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):	+30.00/-33.50	MAX WIDTH:	18'-0"		DATE		NAME
TEST (PSF):	+45.00/-50.25	MAX HEIGHT:	8'-0"	DRAWN	12/2/16		GAC
IMPACT/CYCLIC RATED (YES/NO):	NO	MAX SECTION HEIGHT: 24"	CHECKED	12/2/16			DK
MODELS 5120/514X/9100/940X/960X				SHEET 2 OF 2			
WINDLOAD SPECIFICATION OPTION CODE 0613				DRAWING PART NO.		REV.	
				360636		P00	

REVISIONS