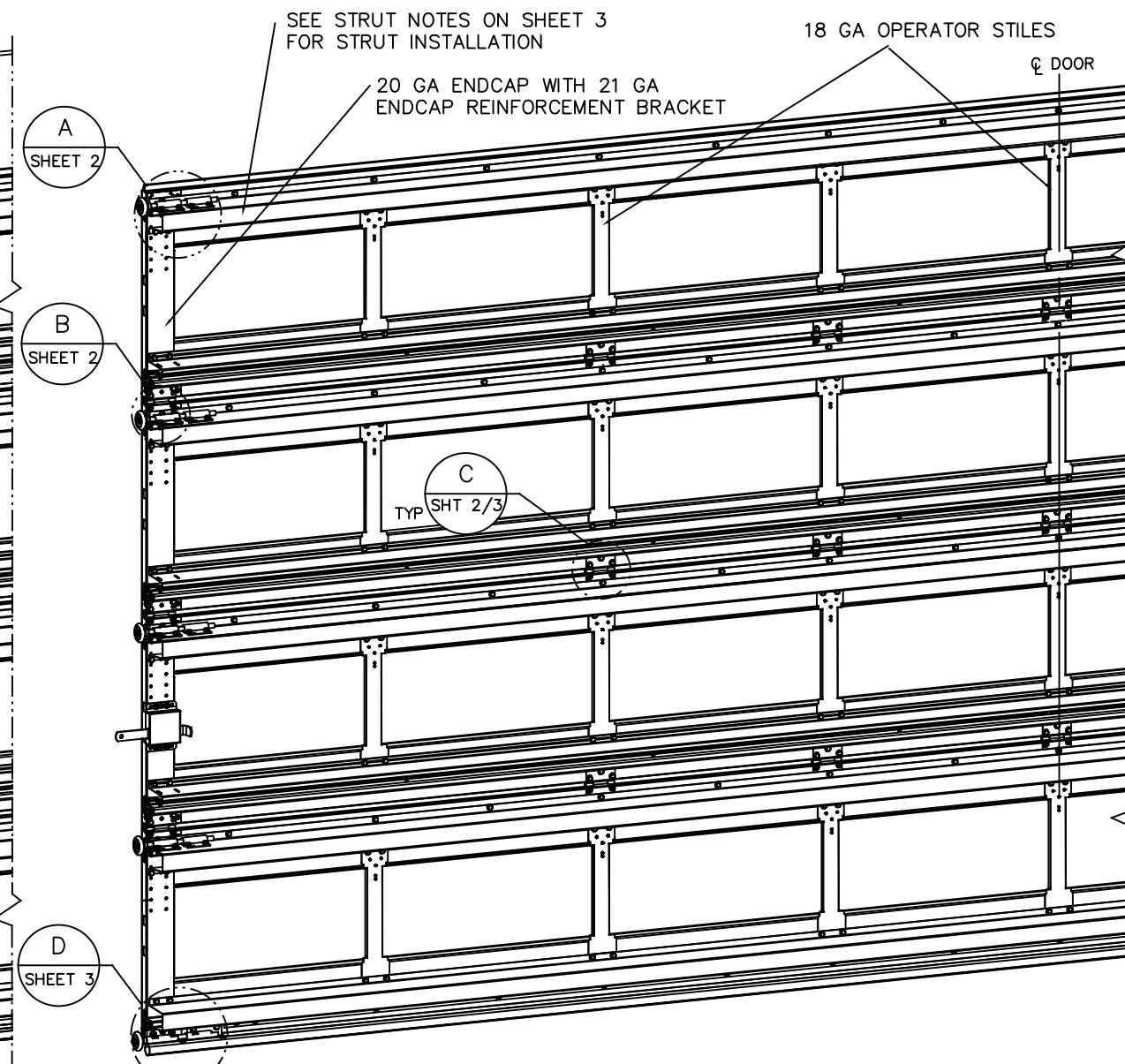
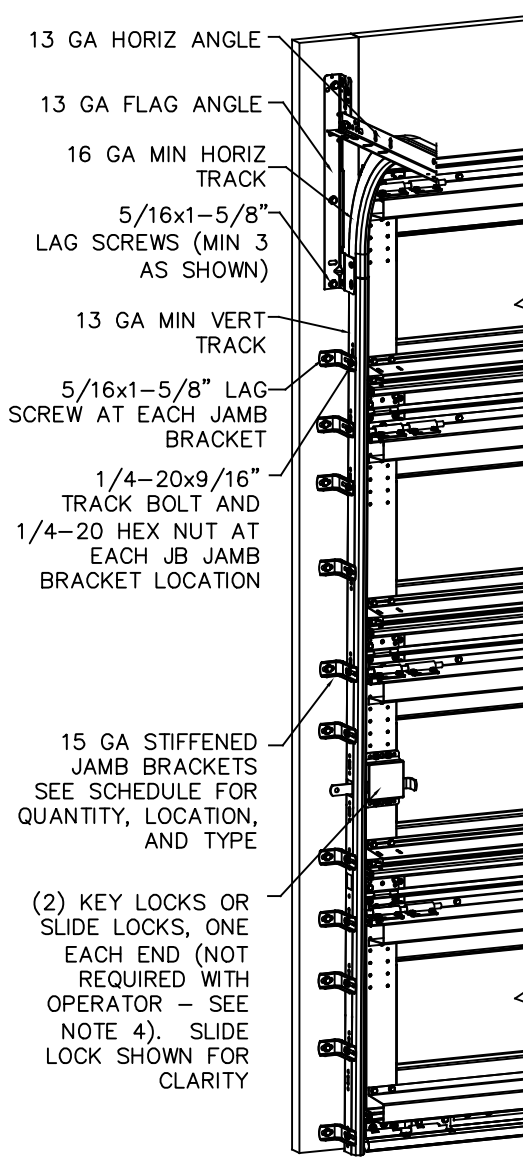


**NOTES:**

2. IMPACT RESISTANT GLAZED LITE OPTION (DETAIL E):
  - .250 THK MAKROLON AR POLYCARBONATE OR EQUIVALENT.
  - CLEAR OPENING SIZE:  
MAX WD=40.63; MAX HT=13.25
  - SCREWS ARE ONLY INTENDED TO HOLD LITE IN PLACE WHILE 1/4" BEAD GE ULTRAGLAZE SSG4000AC STRUCTURAL SEALANT OR EQUIVALENT SETS.
  - OUTSIDE & INSIDE FRAMES ARE DECORATIVE ONLY.
  - DECORATIVE TRIM INSERTS ALLOWED.
  - GLAZED SECTION ALLOWED IN TOP SECTION.
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 LOCKS, 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 OR 32 GA STEEL BACKER. SECTION THICKNESS AT END CAP IS 1.2".
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 SOUTHERN PINE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
- 8 LOUVER OPTION (DETAIL F) - .040" MINIMUM LOUVERS IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (12) #8x5/8" SCREWS INSTALLED IN THE BOTTOM SECTION ((3) ALONG EACH HORIZONTAL LEG AND (3) ALONG EACH VERTICAL LEG) WITH LOUVER OPENING BEING 1 1/8" X 11 1/4". LOUVERS ARE NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS. LOUVERED SECTION REQUIRES OPERATOR STILE TO BE FACTORY INSTALLED AT THE CENTERLINE OF THE DOOR.
9. SEE SHEET 3 FOR FASTENER NOTES.
10. THE TERMS STRUT AND U-BAR MAY BE USED INTERCHANGEABLY.
11. SEE SHEET 3 FOR STRUT ATTACHMENT INSTRUCTIONS.
12. 21 GA REINFORCED ENDCAP BRACKET TO BE PLACED ON THE FACTORY INSTALLED ENDCAP PRIOR TO ATTACHMENT OF STRUTS.
13. COMPLIES WITH THE REQUIREMENTS OF IBC/IRC 2018.



REVISIONS	
REV -:	INITIAL RELEASE; BL 8AUG20
REV A:	PER PCR 32486, ADD NOTE 12: IBC/IRC REGS; BL 23SEP20
REV B:	ADDED GLAZING VIEWS TLC 5/20/21

NOTE: (4) SECTION SOLID DOOR SHOWN. SEE SHEET 2 TABLE FOR QUANTITIES: STAMPS, LITES, HINGES & OPERATOR STILES. SEE SHEET 3 FOR STRUT QUANTITY & LOCATIONS. SEE NOTES 1 & 2 ON THIS SHEET FOR GLAZING OPTIONS.

STANDARD LIFT AND LOW HEADROOM 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	9	FAT	2", 10", 16", 21-3/4", 29-3/4", 42", 48", 55", 63-1/4"	
8'-0"	4 OR 5	11	FAT	2", 10", 16", 21-3/4", 29-3/4", 40", 48", 57-1/4", 66", 71", 75-1/2"	
> 8'-0"	/HIGH LIFT/ROOF PITCH			SEE NOTE BELOW	

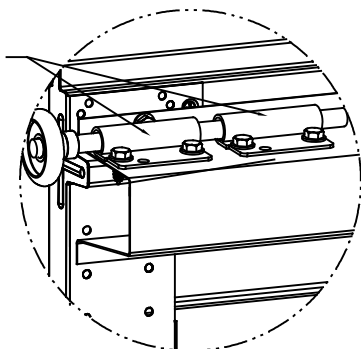
- TRACK NOTES:**
14. (JB) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4-20x9/16" TRACK BOLT AND NUT.
  15. ALL DOORS WITH HIGH LIFT, ROOF PITCH, AND/OR GREATER THAN 8' IN HEIGHT REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SUPPLEMENT TRACK CHART FOR DETAILS.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE		
MAX DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF) +41.3/-46.7
18'-0"	ALL	+372/-420
17'-0"	ALL	+351/-397

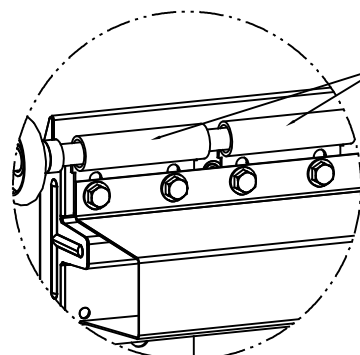
JOHN E. SCATES, PE  
2560 KING ARTHUR BLVD #124  
LEWISVILLE, TX 75056  
FL PE 51737  
TX PE 56308 / F2203  
PROFESSIONAL ENGINEER SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.

<p><b>Wayne Dalton</b> GARAGE DOORS™ A DIVISION OF OVERHEAD DOOR CORP 3395 ADDISON DRIVE PENSACOLA, FLORIDA 32514 (850) 474-9890</p>	STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.	SIZE: C	
	DESIGN (PSF):	+41.30/-46.70	MAX WIDTH:	18'-0"	DATE	NAME	
	TEST (PSF):	+62.00/-70.10	MAX HEIGHT:	12'-0"	DRAWN	4/1/20	SW
	IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT:	24"	CHECKED	5/19/21	TC
MODELS 5120/9100/9405/9605/TS100/TS120				SHEET 1 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 0659				DRAWING PART NO.		REV.	
				411645		B	

(2) 13 GA ADJUSTABLE TOP FIXTURE ATTACHED UNDER STRUT WITH (4) CRIMPTITE SCREWS. OUTSIDE SLIDE REQUIRES WELDED "TUBE" CLOSED. SLIDES MUST BE NO GREATER THAN 1/4" APART. ROLLER MUST MOVE FREELY

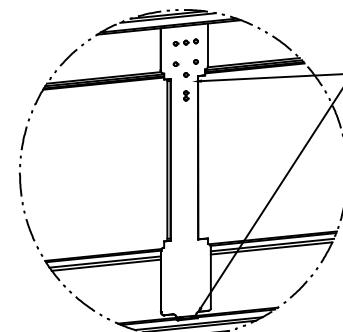


DETAIL A



LOW HEADROOM TRACK  
DETAIL A

(2) 13 GA ADJUSTABLE TOP FIXTURE INSERTED UNDER STRUT SECURED INTO END CAP & TOP RAIL WITH (4) CRIMPTITE SCREWS. OUTSIDE SLIDE REQUIRES WELDED "TUBE" CLOSED. SLIDES MUST BE NO GREATER THAN 1/4" APART. ROLLER MUST MOVE FREELY.



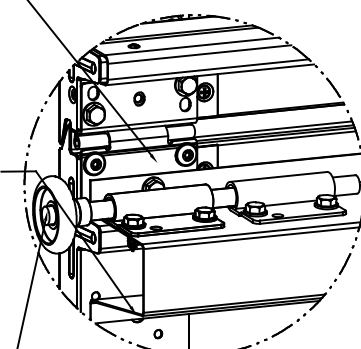
OPERATOR STILE  
ATTACHMENT

**OPERATOR STILES ATTACHMENT:**  
OPERATOR STILES ARE PLACED EQUIDISTANT ON SECTION BACK TYPICALLY ALIGNED WITH CENTER HINGES, "CENTER STILE" FEATURES ON DOOR FRONT, AND/OR BETWEEN LITE FRAMES.

OPERATOR STILES ARE TYPICALLY PREINSTALLED AT FACTORY SECURED WITH (4) #8 PIERCING SCREWS INTO INTEGRAL RIBS, (2) AT EACH END.

IF STILES ARE NOT FACTORY INSTALLED, SEE SHEET 3 FOR ATTACHING STRUTS OVER OPERATOR STILES.

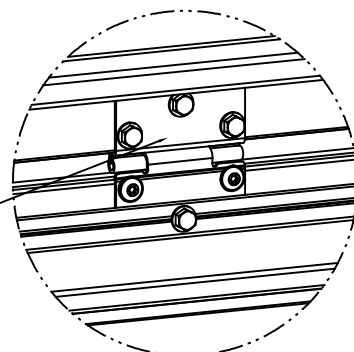
15 GA HINGE FACTORY ATTACHED WITH (2) CRIMPTITE SCREWS (4 SCREWS TOTAL)



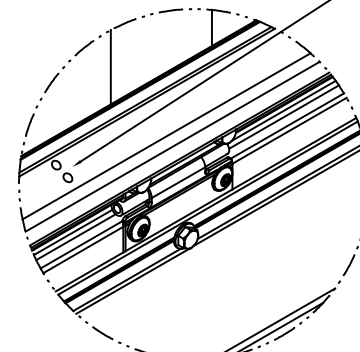
DETAIL B

(2) 13 GA ROLLER SLIDES ALIGNED & ATTACHED ON TOP OF STRUT WITH (4) CRIMPTITE SCREWS. OUTSIDE SLIDE REQUIRES WELDED "TUBE" CLOSED. SLIDES MUST BE NO GREATER THAN 1/4" APART. ROLLER MUST MOVE FREELY.

15 GA CENTER HINGE SECURED WITH (6) CRIMPTITE SCREWS (2 SCREWS FACTORY INSTALLED)



DETAIL C

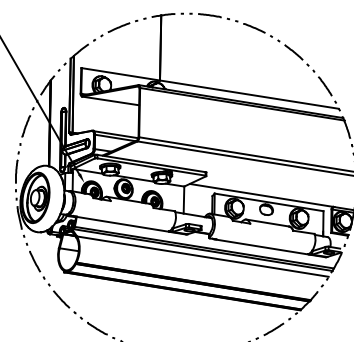


J-STRUT ATTACHMENT

**J-STRUT OVER RIB**  
LENGTH OF STRUT: SECURE WITH (2) #8 PIERCING SCREWS FROM J-STRUT LEG INTO RIB IN PRE-DRILLED HOLES @ 27" ± 4" O.C. (FACTORY INSTALLED)

2" 10-BALL STEEL ROLLER, 1144 HS 9" STEM. OPTIONAL - 11-BALL BEARING NYLON ROLLER

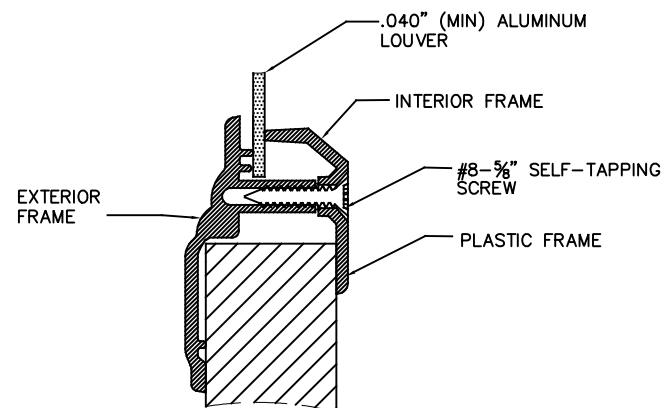
**STATIC & IMPACT BOTTOM BRACKETS:**  
12 GA IMPACT BOTTOM BRACKET FACTORY ATTACHED (3) CRIMPTITE SCREWS TOTAL. SECURE BB FLANGE TO STRUT WITH (2) CRIMPTITE SCREWS.



STATIC & IMPACT BOTTOM BRACKET  
DETAIL D

PLACE 12 GA CUT-DOWN BOTTOM BRACKET (STD BB W/ MILFORD PIN FLANGE REMOVED) ADJACENT TO FACTOR INSTALLED BRACKET UNDER STRUT. SECURE WITH (2) CRIMPTITE SCREWS. SLIDES MUST BE NO GREATER THAN 1/4" APART. ROLLER MUST MOVE FREELY.

DOOR WIDTH	SECTION QUANTITIES																
	CRP / FLUSH				RANCH				SONOMA				SONOMA RANCH				
	STAMPS / SHORT LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED	STAMPS / LONG LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED	STAMPS / SHORT LITES	LONG LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED	STAMPS / LONG LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED
17'0"	8	5	7	3	4	5	7	3	8	4	5	7	3	4	5	7	3
18'0"	8	5	7	3	4	5	7	3	8	4	5	7	3	4	5	7	3



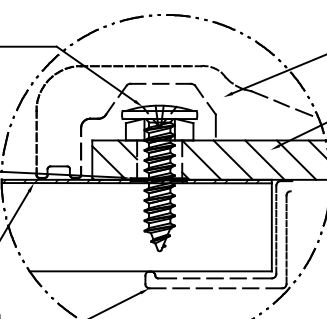
NON-IMPACT LOUVER  
(STATIC RATED)  
DETAIL F

#8x3/4" MIN STAINLESS SCREWS WITH STAINLESS BACKED RUBBER WASHERS 3-1/2" O.C. MAX

1/4" BEAD GE ULTRAGLAZE SSG4000AC STRUCTURAL SEALANT OR EQUIVALENT TO CREATE FULL COVERAGE AT OVERLAP

FACER STEEL

NON-STRUCTURAL DECORATIVE INNER WINDOW TRIM

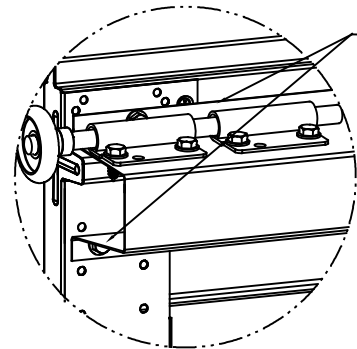


DETAIL E

NON-STRUCTURAL DECORATIVE OUTER WINDOW TRIM  
1/4" POLYCARBONATE

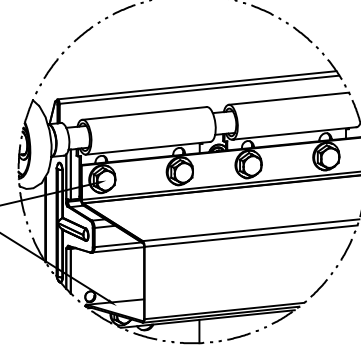
**Wayne Dalton**  
GARAGE DOORS  
A DIVISION OF OVERHEAD DOOR CORP  
3395 ADDISON DRIVE  
PENSACOLA, FLORIDA 32514  
(850) 474-9890

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: C	
DESIGN (PSF):	+41.30/-46.70	MAX WIDTH:	18'-0"	DATE		NAME	
TEST (PSF):	+62.00/-70.10	MAX HEIGHT:	12'-0"	DRAWN	4/1/20	SW	
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 24"		CHECKED	5/19/21	TC	
MODELS 5120/9100/9405/9605/TS100/TS120				SHEET 2 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 0659				DRAWING PART NO.		REV.	
				411645		B	

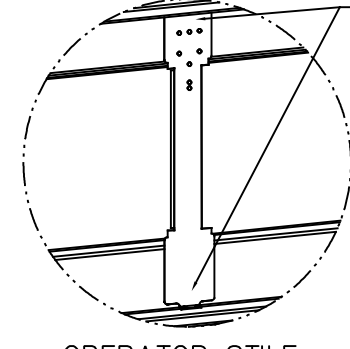


**4" STRUT OVER RIB, TOP FIXTURES:**  
**ENDS:** PRIOR TO ASSEMBLY OF J-STRUT, INSTALL REINFORCED ENDCAP BRACKET - SEE NOTE 12, SHT 1. THEN SECURE WITH CRIMPTITE SCREWS THROUGH STRUT FLANGES INTO ENDCAPS AT EACH END:  
 (4) FOR STD LIFT TRACK  
 (6) FOR LHR TRACK (4 THRU TF BRKT)  
**8" APPX. FROM ENDS:** SECURE STRUTS USING (1) CRIMPTITE SCREW, UPPER LEG. (NOT REQUIRED WITH LHR ROLLER SLIDES)

DETAIL A



LOW HEADROOM TRACK  
 DETAIL A



OPERATOR STILE  
 ATTACHMENT

**STRUTS INSTALLED OVER OPERATOR STILES:**

**UNDER 4" STRUTS AT INTEGRAL RIB:**  
 SECURE OPERATOR STILE END WITH (2) #8 PIERCING SCREWS (FACTORY INSTALLED) OR (2) CRIMPTITE SCREWS INTO FLANGE AT BASE OF INTEGRAL RIB (BEHIND PAPER BACKER).

**UNDER 4" STRUT FLANGES:**  
 SECURE STRUT FLANGES THRU OPERATOR STILE WITH (2) CRIMPTITE SCREWS.

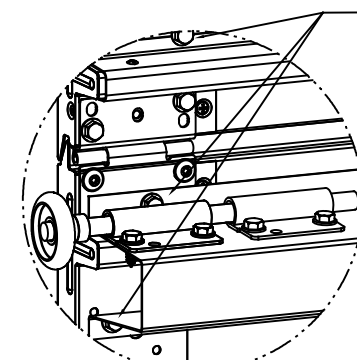
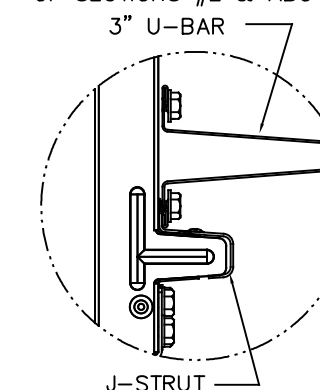
**UNDER 3" UBAR & J-STRUT FLANGES:**  
 SECURE STRUT FLANGES THRU OPERATOR STILE WITH (2) CRIMPTITE SCREWS INTO FLANGE AT BASE OF INTEGRAL RIB. (REMOVING #8 PIERCING SCREWS PREINSTALLED AT FACTORY NOT REQUIRED)

- (6) SECTION DOORS:  
 (7) 4"X16 GA STRUT  
 (5) J-STRUT, 18 GA  
 (5) 3"X18 GA 80KSI U-BAR  
 (5) J-STRUT, 18GA

- (5) SECTION DOORS:  
 (6) 4"X16 GA STRUT  
 (4) 3"X18 GA 80KSI U-BAR  
 (5) J-STRUT, 18 GA

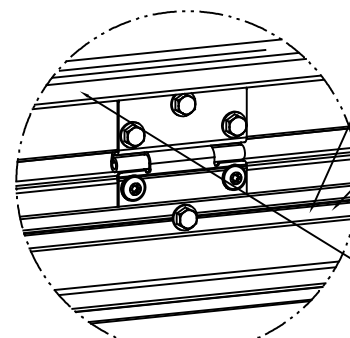
- (4) SECTION DOORS:  
 (5) 4"X16 GA STRUT  
 (3) 3"X18 GA 80KSI U-BAR  
 (3) J-STRUT, 18 GA

STRUTS & J-STRUTS  
 INSTALLED OVER INTEGRAL  
 RIBS - DETAIL VIEW SHOWN  
 OF SECTIONS #2 & ABOVE.



**3" OR 4" STRUTS OVER RIB, JOINTS:**  
**ENDS:** PRIOR TO ASSEMBLY OF J-STRUT, INSTALL REINFORCED ENDCAP BRACKET - SEE NOTE 12, SHT 1. THEN SECURE STRUT WITH (4) CRIMPTITE SCREWS THROUGH UPPER & LOWER STRUT FLANGES INTO ENDCAPS AT EACH END. [NOTE: SECURE STRUTS PRIOR TO INSTALLING ROLLER SLIDES.]

DETAIL B



**STRUTS OVER RIBS - BETWEEN ENDS:**

**4" STRUTS ON UPPER BOT/INT/TOP SECTIONS**

**SECTION JOINT RAILS:** SECURE STRUT WITH (1) CRIMPTITE SCREW ON UPPER FLANGE INTO SECTION RAIL AT EACH CENTER HINGE AND/OR STILE LOCATION, MIDWAY BETWEEN EACH STILE, AND MIDWAY BETWEEN FIRST OPERATOR STILE & ENDCAP.

**OPERATOR STILES:** SECURE STRUT WITH (2) CRIMPTITE SCREWS ON LOWER FLANGE INTO INTO EACH OPERATOR STILE.

**4" STRUTS ON LOWER BOT SECTION**

**SECTION RAIL:** SECURE STRUT WITH (1) CRIMPTITE SCREW ON LOWER FLANGE INTO SECTION RAIL AT EACH STILE LOCATION, MIDWAY BETWEEN EACH STILE, AND MIDWAY BETWEEN FIRST OPERATOR STILE & ENDCAP.

**OPERATOR STILES:** SECURE STRUT WITH (2) CRIMPTITE SCREWS ON UPPER FLANGE INTO INTO EACH OPERATOR STILE.

**3" STRUTS ON LOWER BOT/INT/TOP SECTIONS**

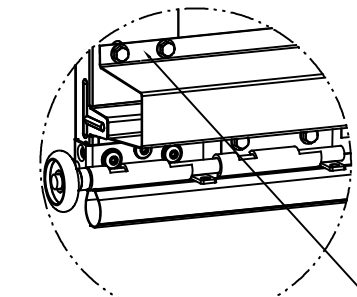
**SECTION INTEGRAL RIBS:** SECURE 3" U-BARS WITH (1) CRIMPTITE SCREW ON LOWER FLANGE THRU J-STRUT FLANGE INTO EACH OPERATOR STILE, MIDWAY BETWEEN EACH STILE, AND MIDWAY BETWEEN FIRST OPERATOR STILE & ENDCAP.

**OPERATOR STILES:** SECURE STRUT WITH (2) CRIMPTITE SCREWS ON UPPER FLANGE INTO INTO EACH OPERATOR STILE.

FOR GLAZED SECTIONS WITH FEWER OPERATOR STILES THAN SOLID SECTIONS, SECURE STRUTS WITH (1) CRIMPTITE SCREW ON SECTION RAILS THAT ALIGN WITH OPERATOR STILES ON SECTIONS BELOW. (DO NOT INSTALL SCREWS ON FLANGES INTO PAPER BACKER)

**4" STRUTS:** INSTALL CRIMPTITE SCREWS THRU UPPER FLANGE INTO SECTION RAIL.

**3" UBARS:** INSTALL CRIMPTITE SCREWS THRU LOWER FLANGE INTO J-STRUT FLANGE.

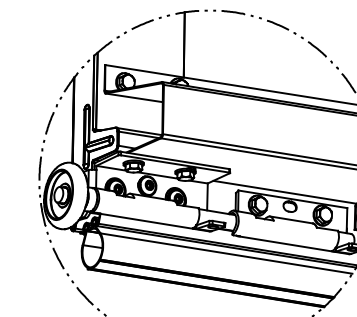


DETAIL D

**4" STRUT OVER RIB, BOTTOM BRACKETS:**  
**ENDS:** NOTCH STRUT TO CLEAR BOTTOM BRACKETS. PRIOR TO ASSEMBLY OF J-STRUT, INSTALL REINFORCED ENDCAP BRACKET - SEE NOTE 12, SHT 1. THEN SECURE WITH (4) CRIMPTITE SCREWS IN STRUT FLANGES:

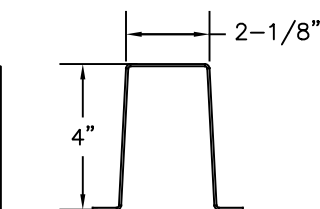
UPPER FLANGE: (2) SCREWS INTO ENDCAP.

LOWER FLANGE: (2) SCREWS THROUGH FLANGE INTO SECTION RAIL.

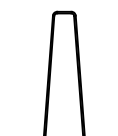


DETAIL D

IMPACT BOTTOM BRACKET



4"X16 GA 80 KSI STRUT



3"X18 GA 80 KSI U-BAR



J-STRUT, 18 GA 33 KSI

**FASTENER NOTES:**

1. STRUT SCREW TOTALS	3" U-BAR	4" STRUT
TOP SECT: SOLID & SHORT LITE (7 STILE/SL)	= 33	35
TOP SECT: SOLID & SHORT LITE (7 STILE/LHR)	= 33	39
TOP SECT: DOUBLE/RANCH LITE (3 STILE/SL)	= 25	27
TOP SECT: DOUBLE/RANCH LITE (3 STILE/LHR)	= 25	31
INT SECTION	= 33	35
LOK SECTION	= 33	35
BOT SECTION (UPPER)	= -	35
BOT SECTION (LOWER)	= -	35
J-STRUT USES SCREWS FROM 3" U-BAR		

2. "CRIMPTITE SCREW" = SCREW, 1/4-14 X 7/8" SELF-DRILLING, CRIMPTITE

3. 1/4-20 SELF-TAPPING SCREWS MAY BE USED IN PLACE OF 1/4-14 SELF-DRILLING SCREWS FOR APPLICATIONS WITH PRE-PUNCHED HOLES OR WHEN PREDRILLING PILOT HOLES.

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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.	SIZE: C
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IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT:	24"	CHECKED	TC
MODELS 5120/9100/9405/9605/TS100/TS120				SHEET 3 OF 3	
WINDLOAD SPECIFICATION OPTION CODE 0659				DRAWING PART NO.	REV.
				411645	B