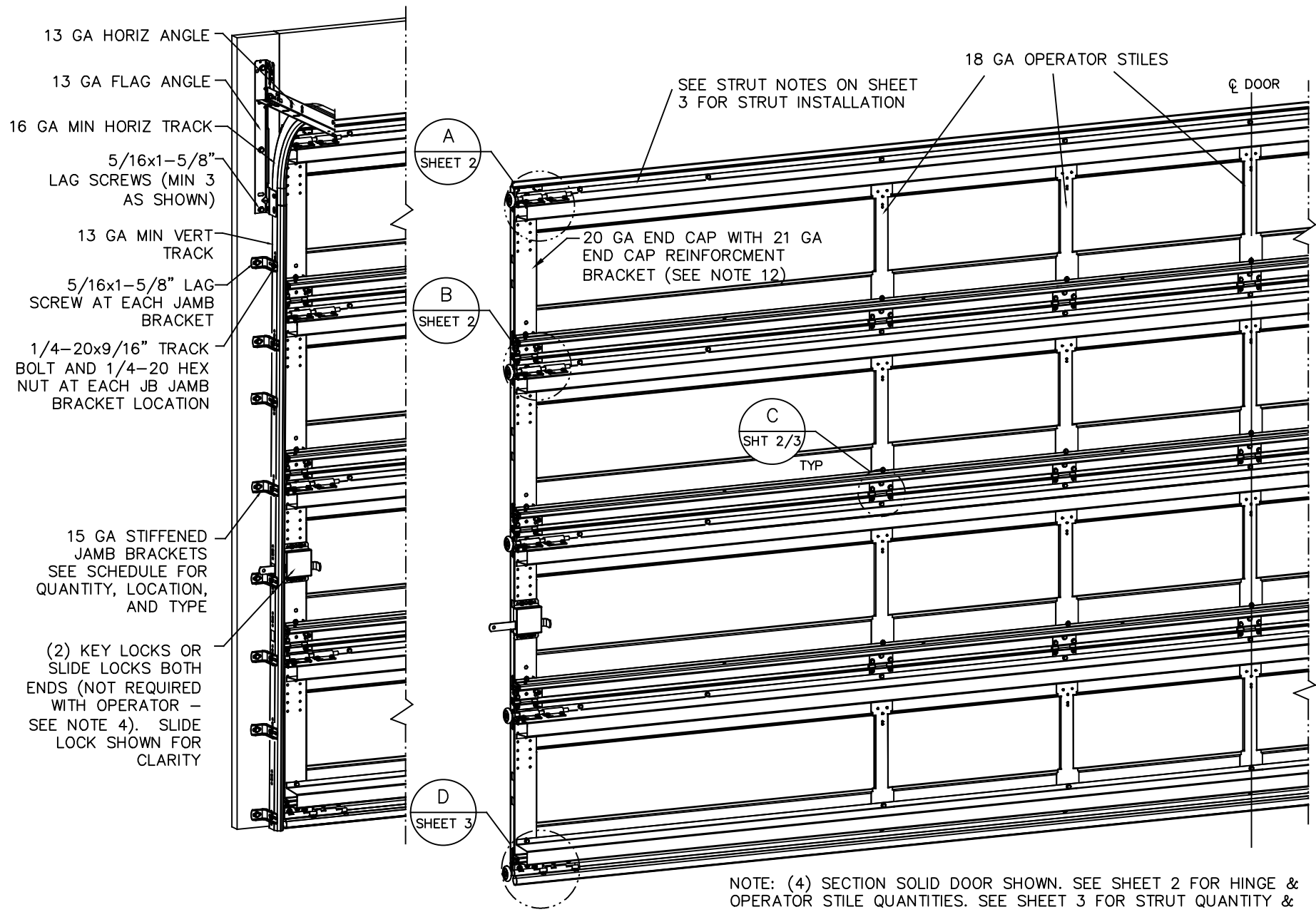


**NOTES:**

1. IMPACT RESISTANT GLAZED LITE OPTIONS (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 ULTRAGLZE SSG4000AC STRUCTURAL SEALANT OR EQUIVALENT SETS.
  - OUTSIDE & INSIDE FRAMES ARE DECORATIVE ONLY. DECORATIVE TRIM INSERTS ALLOWED.
  - GLAZING SECTION ALLOWED IN TOP SECTION ONLY.
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 18 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 A: PER PCR 32421, ADD MDLS TS100/TS120; BL 17JUL20
REV B: PER PCR 32486, ADD NOTE 12: IBC/IRC REGS; BL 23SEP20
REV C: ADDED GLAZING VIEWS TLC 5/20/21

NOTE: (4) SECTION SOLID DOOR SHOWN. SEE SHEET 2 FOR HINGE & OPERATOR STILE QUANTITIES. 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	6	FAT	2" (JB), 10" (JB), 21-3/4" (JB), 29-3/4" (JB), 42" (JB), 63-1/4" (JB)
8'-0"	4 OR 5	8	FAT	2" (JB), 10" (JB), 21-3/4" (JB), 29-3/4" (JB), 48" (JB), 57-1/4" (JB), 66" (JB), 75-1/2" (JB)
> 8'-0"/HIGH LIFT/ROOF PITCH				SEE NOTE BELOW

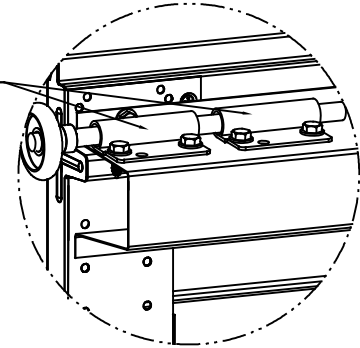
SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE		
MAX DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF) +41.3/-46.7
16'-0"	ALL	+330.4/-373.6
14'-0"	ALL	+289.1/-326.9
12'-0"	ALL	+247.8/-280.2
10'-0"	ALL	+206.5/-233.5

- 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.

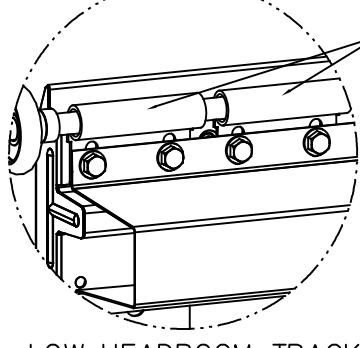
JOHN E. SCATES, PE  
 2560 KING ARTHUR BLVD #124  
 LEWISVILLE, TX 75056  
 FL PE 51737  
 TX PE 56308 / F2203  
 PROFESSIONAL ENGINEER SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.

<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: 16'-0"	DATE	NAME
	TEST (PSF): +62.00/-70.10	MAX HEIGHT: 12'-0"	DRAWN	CSM
	IMPACT/CYCLIC RATED (YES/NO): YES	MAX SECTION HEIGHT: 24"	CHECKED	TC
MODELS 5120/9100/9405/9605/TS100/TS120			SHEET 1 OF 3	
WINDLOAD SPECIFICATION OPTION CODE 0654			DRAWING PART NO.	REV.
			411640	C

(2) 13 GA ADJ. 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

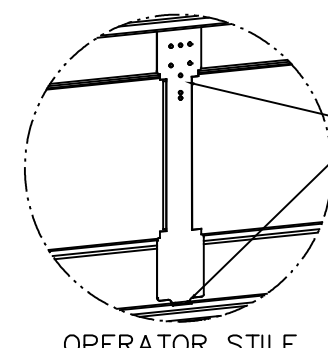


DETAIL A



LOW HEADROOM TRACK  
DETAIL A

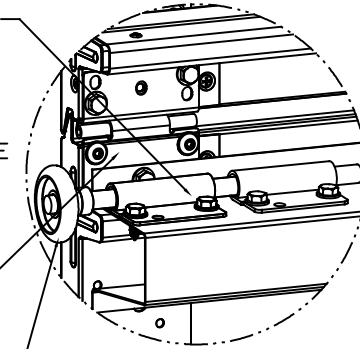
(2) 13 GA ADJ. TOP FIXTURE INSERTED UNDER STRUT SECURED INTO END CAP & TOP RAIL WITH (4) CRIMPTITE SCREWS. OUTSIDE SLIDE REQUIRES WELDED "TUBE" CLOSED. SLIDES MUST BE NO GREATER THAN 1/4" APART. ROLLER MUST MOVE FREELY.



OPERATOR STILE  
ATTACHMENT

SECURE OPERATOR STILE WITH (4) #8 PIERCING SCREWS INTO INTEGRAL RIBS. (FACTORY INSTALLED) OR (2) CRIMPTITE SCREWS, ONE EACH END OF STILE.

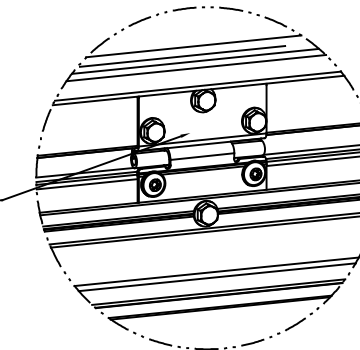
(2) 13 GA ROLLER SLIDES ALIGNED & ATTACHED ON TOP OF STRUT WITH (4) CRIMPTITE SCREWS. OUTSIDE SLIDE REQUIRES WELDED "TUBE" CLOSED. SLIDES MUST BE NO GREATER THAN 1/4" APART. ROLLER MUST MOVE FREELY.



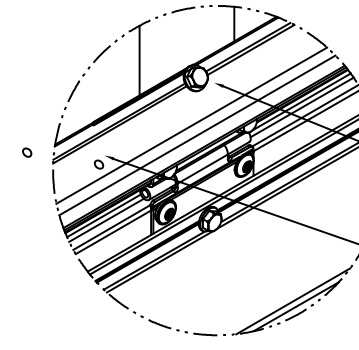
DETAIL B

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

CENTER HINGES:  
STATIC ONLY: 18 GA  
IMPACT: 15 GA  
SECURED WITH (4)  
CRIMPTITE SCREWS (6  
SCREWS TOTAL)



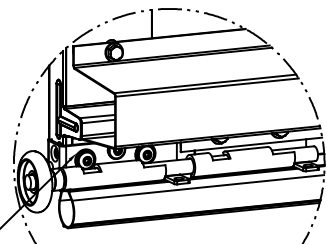
DETAIL C



J-STRUT ATTACHMENT

J-STRUT OVER RIB:  
ENDS: PRIOR TO ASSEMBLY OF J-STRUT, INSTALL REINFORCED ENDCAP BRACKET - SEE NOTE 12, SHT 1. THEN SECURE WITH (1) CRIMPTITE SCREW THRU J-STRUT FLANGE LEG INTO ENDCAP EACH END.  
OPERATOR STILE:  
SECURE WITH (1) CRIMPTITE SCREW THROUGH J-STRUT FLANGE LEG INTO OPERATOR STILE  
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 OR EQUIV. OPTIONAL - 11-BALL BEARING NYLON ROLLER

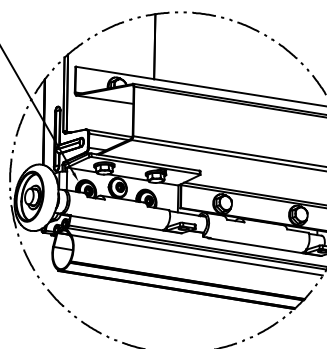


BOTTOM BRACKETS:

NON-IMPACT:  
12 GA STANDARD BOTTOM BRACKET FACTORY ATTACHED WITH (3) CRIMPTITE SCREWS TOTAL

NON-IMPACT BOTTOM BRACKET

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

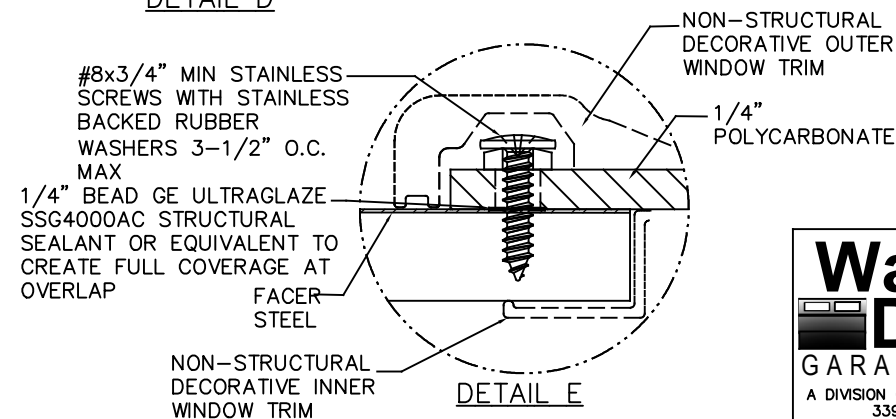


IMPACT BOTTOM BRACKET

BOTH:  
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.

DETAIL D

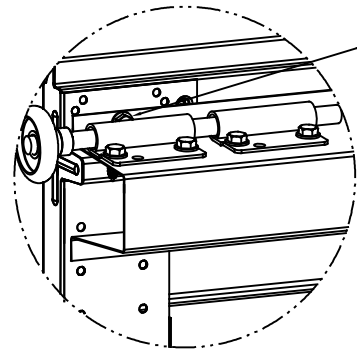
Door Width	SECTION QUANTITIES																
	CRP / FLUSH				RANCH				SONOMA				SONOMA RANCH				
	STAMPS /SHORT LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED	STAMPS /LONG LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED	STAMPS /SHORT LITES	LONG LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED	STAMPS /LONG LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED
10'-0"	5	3	2	2	2	3	3	1	4	2	3	3	1	2	3	3	1
11'-0"	5	3	2	2	2	3	3	1	4	2	3	3	1	2	3	3	1
12'-0"	6	3	3	3	3	3	3	2	6	3	3	3	2	3	3	3	2
13'-0"	7	5	4	4	3	5	3	2	6	3	5	3	2	3	5	5	2
14'-0"	7	5	4	4	3	5	3	2	6	3	5	3	2	3	5	5	2
15'-0"	7	5	4	4	4	5	5	3	8	4	5	5	3	3	5	5	2
16'-0"	8	5	5	3	4	5	5	3	8	4	5	5	3	4	5	5	3



DETAIL E

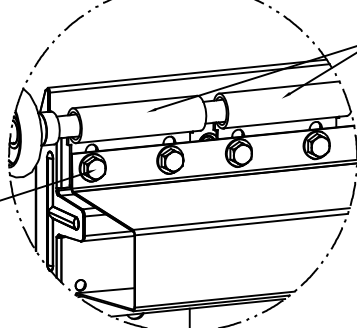
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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.	SIZE: C
DESIGN (PSF):	+41.30/-46.70	MAX WIDTH:	16'-0"	DATE	NAME
TEST (PSF):	+62.00/-70.10	MAX HEIGHT:	12'-0"	DRAWN	CSM
IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT:	24"	CHECKED	TC
MODELS 5120/9100/9405/9605/TS100/TS120				SHEET 2 OF 3	
WINDLOAD SPECIFICATION OPTION CODE 0654				DRAWING PART NO.	REV.
				411640	C



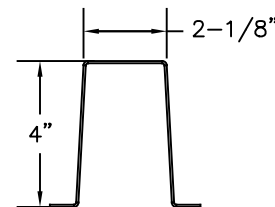
DETAIL A

**4\"/>**



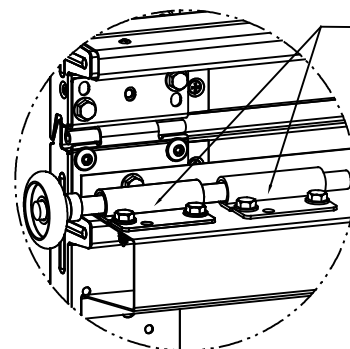
LOW HEADROOM TRACK  
DETAIL A

SECURE THRU ROLLER SLIDES 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.



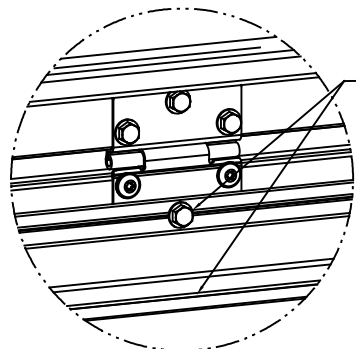
4\"/>

(6) SECTION DOORS:  
(7) 4\"/>



DETAIL B

**4\"/>**

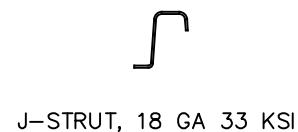


DETAIL C

**4\"/>**

**STRUT ON LOWER RAIL OF BOTTOM SECTION:**  
**BETWEEN END & FIRST CENTER HINGE, BOTH ENDS:**  
 SECURE WITH (1) CRIMPTITE SCREW ON LOWER STRUT LEG.  
**BETWEEN CENTER HINGES:**  
 ADD (1) CRIMPTITE SCREW ON LOWER STRUT FLANGE MIDWAY BETWEEN EACH CENTER HINGE.

**STRUTS ON UPPER RAILS OF BOT. INT & TOP SECTIONS:**  
**BETWEEN END & FIRST CENTER HINGE, BOTH ENDS:**  
 SECURE WITH (1) CRIMPTITE SCREW ON UPPER STRUT LEG.  
**BETWEEN CENTER HINGES:**  
 ADD (1) CRIMPTITE SCREW ON UPPER STRUT FLANGE MIDWAY BETWEEN EACH CENTER HINGE.

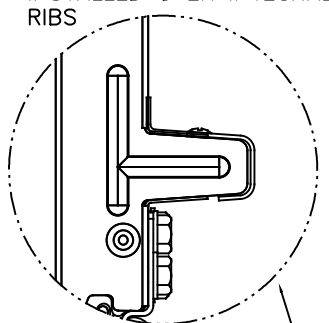


J-STRUT, 18 GA 33 KSI

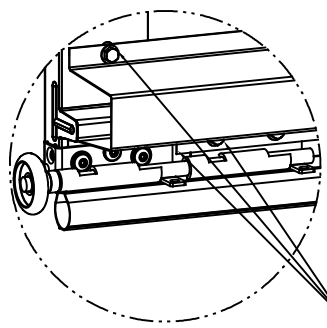
(5) SECTION DOORS:  
(6) 4\"/>

(4) SECTION DOORS:  
(5) 4\"/>

STRUTS & J-STRUTS  
INSTALLED OVER INTEGRAL  
RIBS

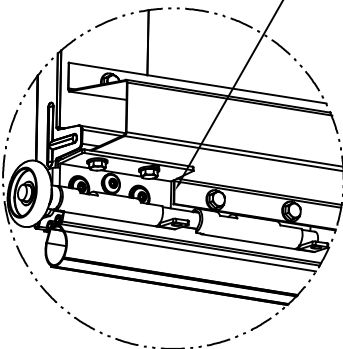


ALL INTEGRAL RIBS WITH  
NO 3\"/>

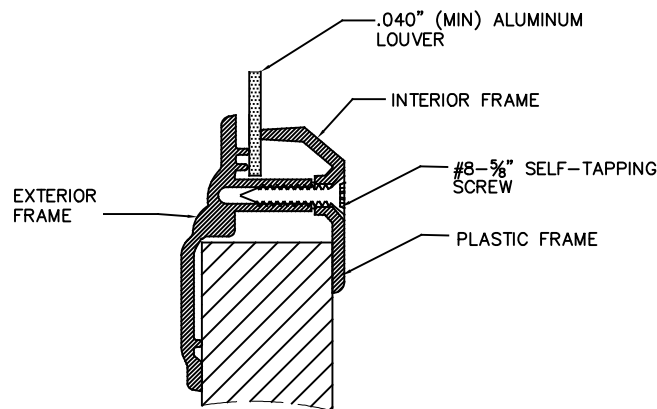


DETAIL D

**4\"/>**



DETAIL D  
IMPACT BOTTOM BRACKET



NON-IMPACT LOUVER  
(STATIC RATED)  
DETAIL F

**FASTENER NOTES:**

- STRUT SCREW TOTALS (DW>12'):
 

	3" U-BAR	4" STRUT
TOP SECTION STRUT (SL)	= -	22
TOP SECTION STRUT (LHR)	= -	26
INT SECTION STRUT	= -	22
LOK SECTION STRUT	= -	22
BOT SECTION STRUT (UPPER)	= -	22
BOT SECTION STRUT (LOWER)	= -	22
J-STRUT W/ OP STILE	= 2 + 1/STILE	
- FOR DW <= 12', USE LESS CRIMPTITE SCREWS:
  - 3" U-BARS = 4 LESS CRIMPTITE SCREWS /STRUT
  - 4" STRUTS = 6 LESS CRIMPTITE SCREWS /STRUT
- "CRIMPTITE SCREW" = SCREW, 1/4-14 X 7/8" SELF-DRILLING, CRIMPTITE
- 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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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 0654				DRAWING PART NO.	REV.
				411640	C