

NOTES:

1. NON-IMPACT GLAZED LITE OPTIONS IN MOLDED FRAMES:

- .125 DSB ANNEALED GLAZING. TEMPERED GLASS ALLOWED.
- SHORT LITES:
 - CLEAR OPENING SIZE: MAX WD=15.72; MAX HT=12.72
- (10) MIN QTY SCREWS #8X1

2. LONG LITES:

- CLEAR OPENING SIZE: MAX WD=40.00; MAX HT=12.75
- (14) MIN QTY SCREWS #8X1

3. WITH OR WITHOUT DECORATIVE INSERTS

4. GLAZING ALLOWED IN 3RD SECTION OR HIGHER

2. IMPACT RESISTANT GLAZED LITE OPTIONS:

- .250 THK MAKROLON AR POLYCARBONATE OR EQUIV.
- CLEAR OPENING SIZE: MAX WD=40.63; MAX HT=13.25
- DETAIL "E" ON SHEET 2 FOR ASSEMBLY DETAILS.
- 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 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 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 - .040" MINIMUM LOUVERS IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (12) #8x1" SCREWS INSTALLED IN THE BOTTOM SECTION. 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 ENDCAPS PRIOR TO ATTACHMENT OF STRUTS.

13 GA HORIZ ANGLE

13 GA FLAG ANGLE

16 GA MIN HORIZ TRACK

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

15 GA MIN VERT TRACK

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

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

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

(2) KEY LOCKS OR SLIDE LOCKS BOTH ENDS (NOT REQUIRED WITH OPERATOR - SEE NOTE 4). SLIDE LOCK SHOWN FOR CLARITY

A

B

C

D

SEE STRUTS NOTE ON SHEET 3 FOR STRUT INSTALLATION

18 GA OPERATOR STILES

20 GA END CAP WITH 21 GA END CAP REINFORCMENT BRACKET.(SEE NOTE 12)

SHT 2/3 TYP

CL DOOR

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

TRACK NOTES:

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

14. 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

License

No. 51737

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

JOHN E. SCATES, PE

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

Digitally signed by John E. Scates P.E.

Date: 2020.08.10 17:59:43 -05'00'

Wayne Dalton

GARAGE DOORS

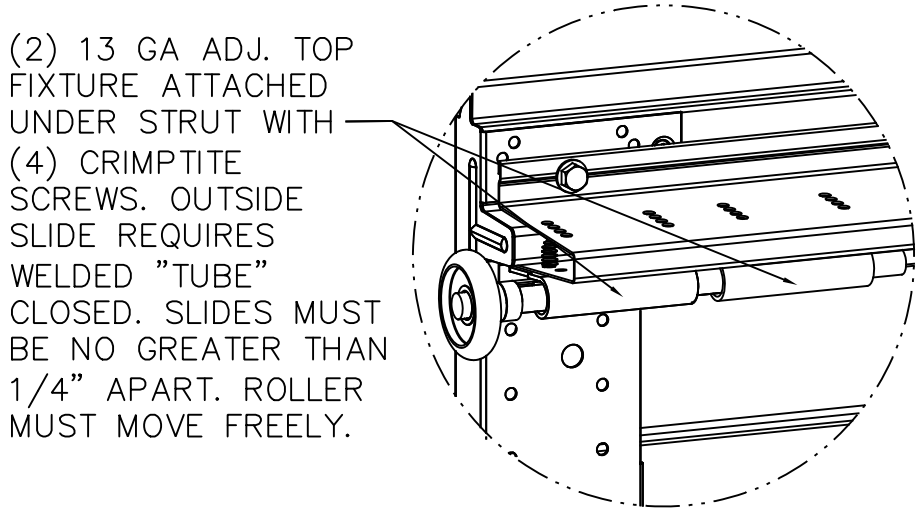
A DIVISION OF OVERHEAD DOOR CORP

3395 ADDISON DRIVE

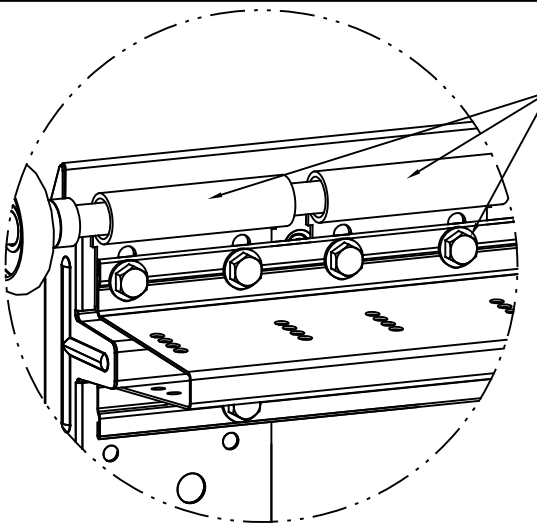
PENSACOLA, FLORIDA 32514

(850) 474-9890

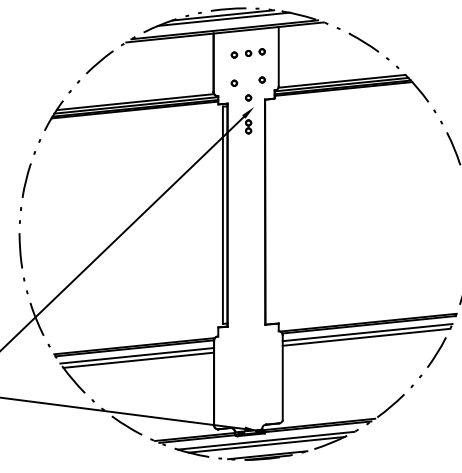
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TEST (PSF):	+48.90/-55.40	MAX HEIGHT:	12'-0"	DRAWN	1/28/20	CSM	
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 24"		CHECKED			
MODELS 5120/9100/9405/9605/TS100/TS120				SHEET 1 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 0653				DRAWING PART NO.		REV.	
				411639		A	



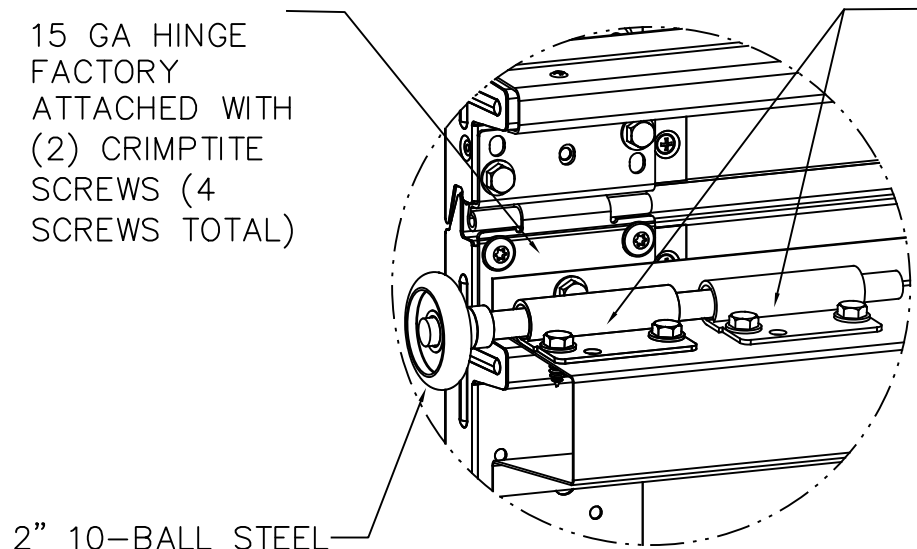
DETAIL A



LOW HEADROOM TRACK
DETAIL A



OPERATOR STILE
ATTACHMENT

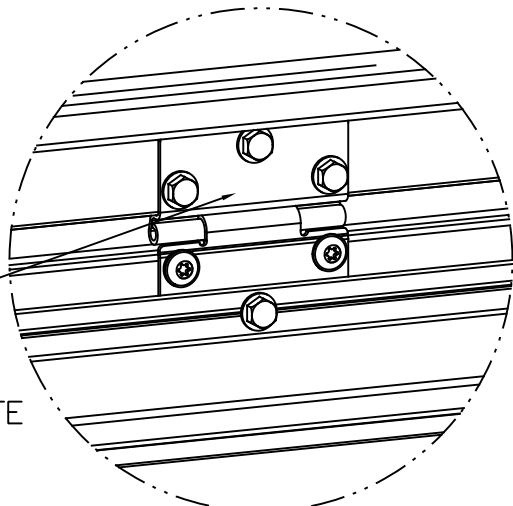


DETAIL B

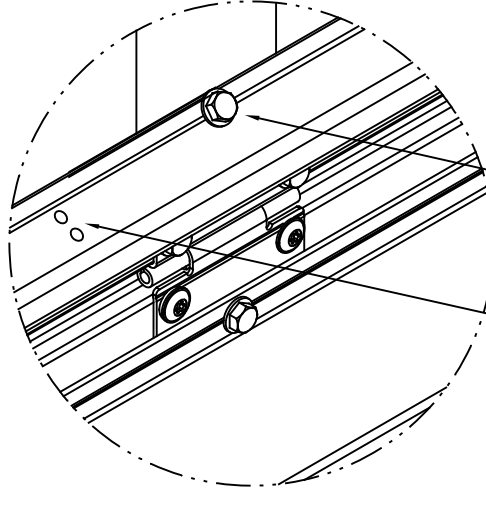
(2) 13 GA ROLLER SLIDES
ALIGNED & ATTACHED ON TOP
OF STRUT WITH (4) CRIMPTITE
SCREWS. OUTSIDE SLIDE
REQUIRES WELDED "TUBE"
CLOSED. SLIDES MUST BE NO
GREATER THAN 1/4" APART.
ROLLER MUST MOVE FREELY.

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

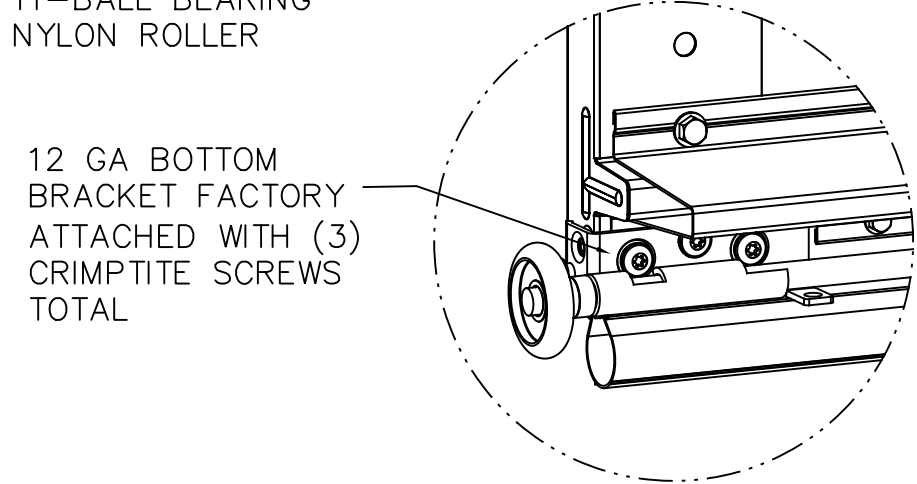
CENTER HINGES:
STATIC ONLY: 18 GA
IMPACT: 15 GA
SECURED WITH (4) CRIMPTITE
SCREWS (6 SCREWS TOTAL)



DETAIL C

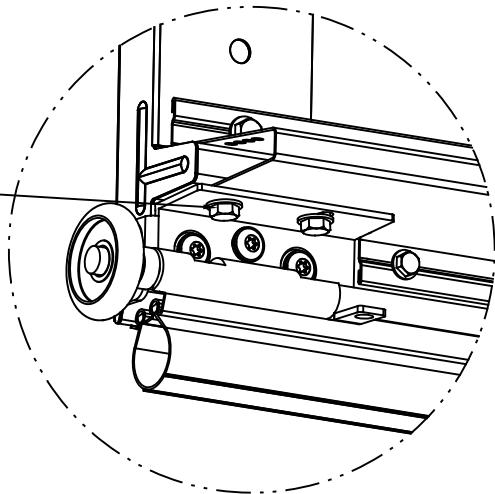


J-STRUT OVER RIB:
ENDS: PRIOR TO ASSEMBLY OF J-STRUT, INSTALL
REINFORCED ENDCAP BRACKET - SEE NOTE 12, SHT 1.
THEN SECURE WITH (1) CRIMPTITE SCREW THRU J-STRUT
FLANGE LEG INTO ENDCAP EACH END.
OPERATOR STILE:
SECURE WITH (1) CRIMPTITE SCREW THROUGH J-STRUT
FLANGE INTO OPERATOR STILE
LENGTH OF STRUT:
SECURE WITH (2) #8 PIERCING SCREWS FROM J-STRUT LEG
INTO RIB IN PRE-DRILLED HOLES @ 27" ± 4" O.C.
(FACTORY INSTALLED)



DETAIL D

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

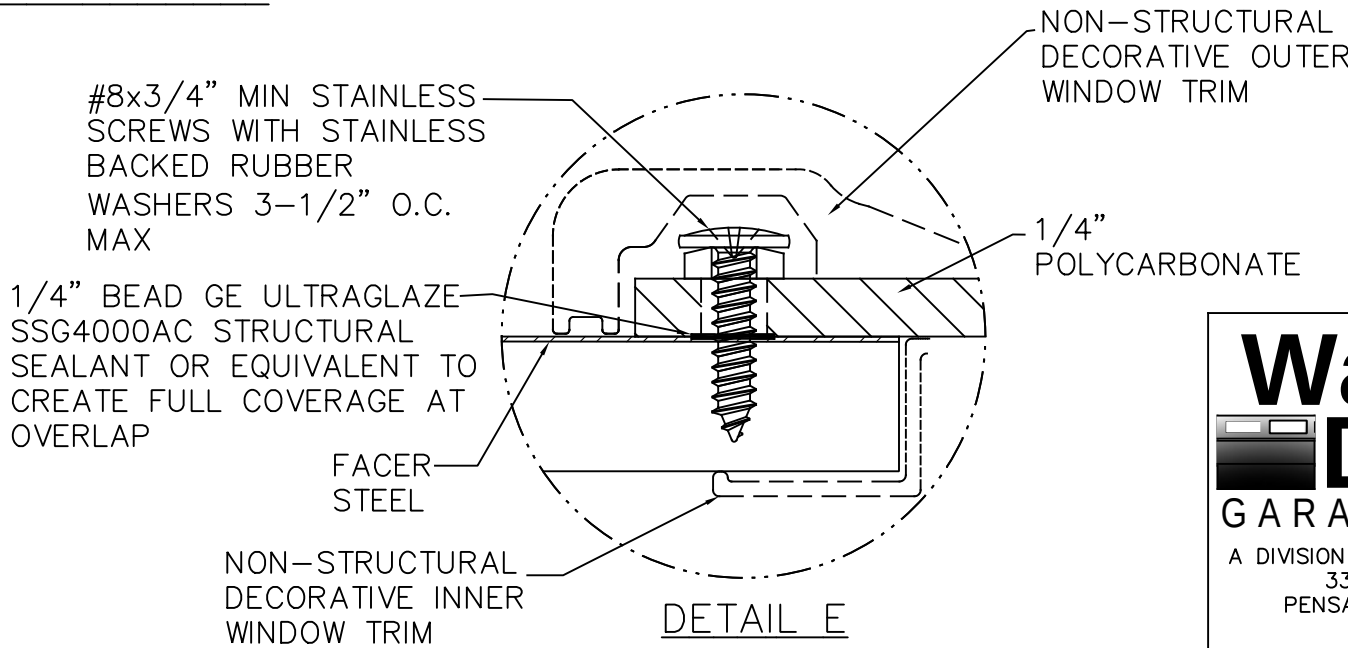
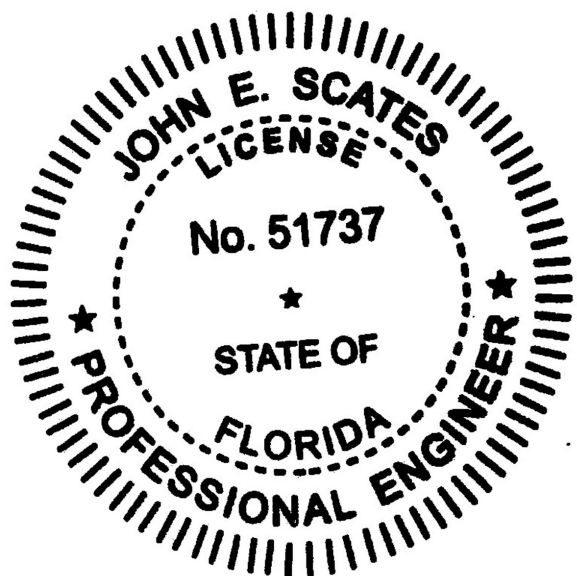


DETAIL D

IMPACT BOTTOM BRACKET

SECTION QUANTITIES

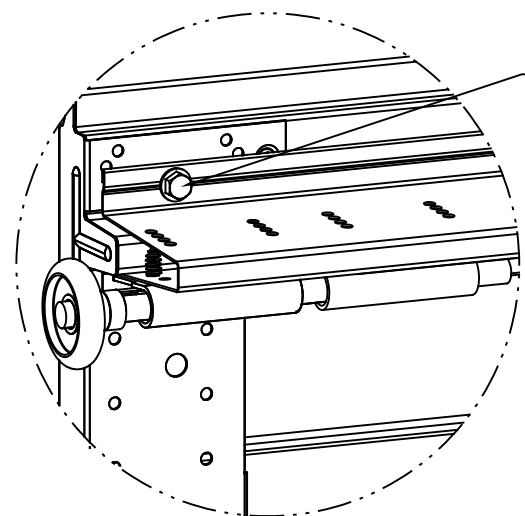
Door Width	CRP / FLUSH				RANCH				SONOMA					SONOMA RANCH			
	STAMPS / SHORT LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED	STAMPS / LONG LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED	STAMPS / SHORT LITES	LONG LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED	STAMPS / LONG LITES	CTR HNG	OP STILES: 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

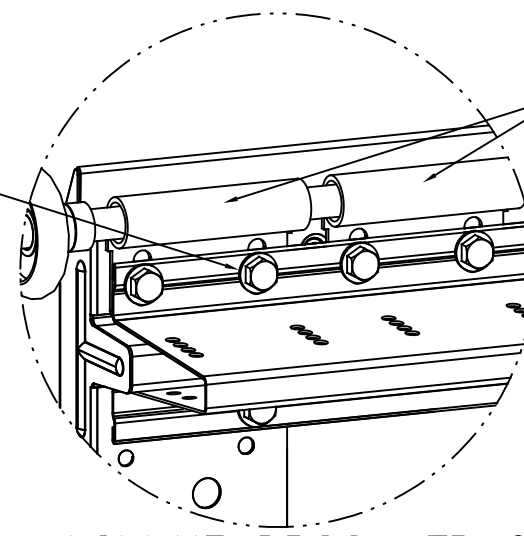
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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: C	
DESIGN (PSF):	+32.60/−36.90	MAX WIDTH:	16′−0″	DATE		NAME	
TEST (PSF):	+48.90/−55.40	MAX HEIGHT:	12′−0″	DRAWN	1/28/20	CSM	
IMPACT/CYCLIC RATED (YES/NO):		YES	MAX SECTION HEIGHT: 24″	CHECKED			
MODELS 5120/9100/9405/9605/TS100/TS120				SHEET 2 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 0653				DRAWING PART NO.		REV.	
				411639		A	



DETAIL A

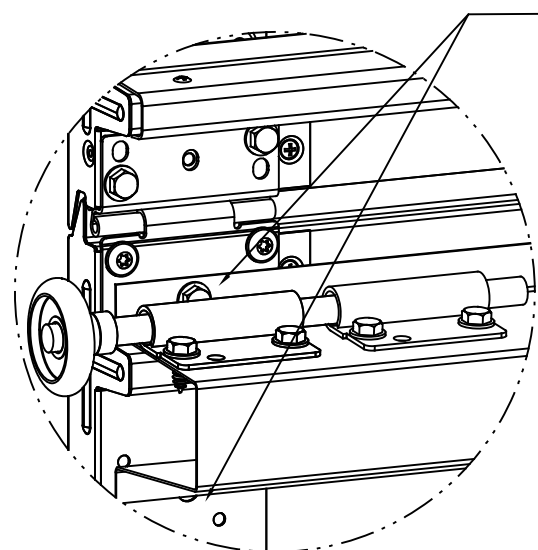
3" STRUT OVER RIB, TOP FIXTURES:
ENDS: PRIOR TO ASSEMBLY OF J-STRUT, INSTALL REINFORCED ENDCAP BRACKET - SEE NOTE 12, SHT 1. THEN SECURE WITH CRIMPTITE SCREWS THROUGH STRUT FLANGES INTO END CAPS AT EACH END:
(2) FOR STD LIFT TRACK
(5) FOR LHR TRACK (4 THRU TF BRKTS)
8" APPX. FROM ENDS: SECURE STRUTS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



LOW HEADROOM TRACK
DETAIL A

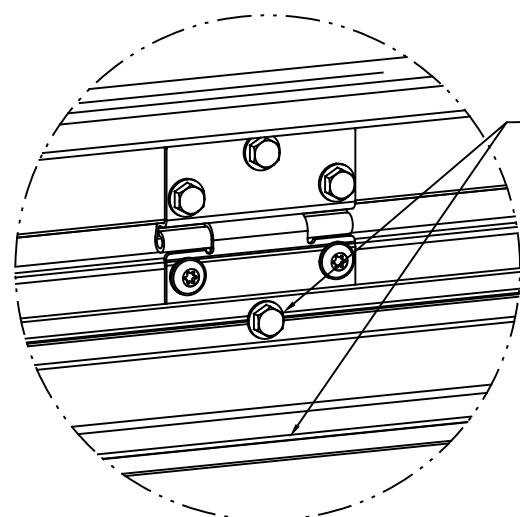
3" STRUT OVER RIB, TOP FIXTURES
ENDS: BEFORE INSTALLING CRIMPTITE SCREWS INTO STRUT ON TOP SECTION ENDS, INSERT TOP FIXTURES UNDER STRUT FLANGE - SEE SHEET 2. SECURE WITH (4) CRIMPTITE SCREWS INTO END CAP & TOP RAIL. ROLLER MUST MOVE FREELY.

(6) SECTION DOORS:
(5) 4"X16 GA STRUT
(2) 3"X18 GA 80 KSI U-BARS
(5) J-STRUT, 18 GA



DETAIL B

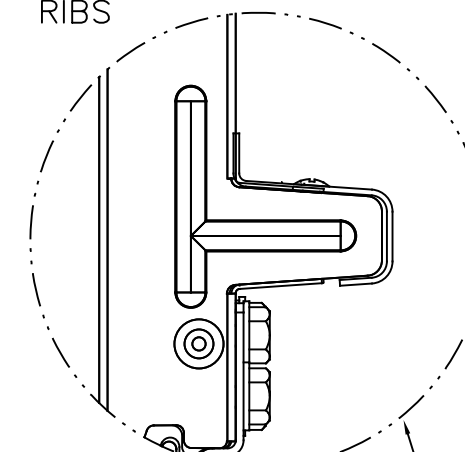
4" STRUT OVER RIBS, JOINTS:
ENDS: PRIOR TO ASSEMBLY OF J-STRUT, INSTALL REINFORCED ENDCAP BRACKET - SEE NOTE 12, SHT 1. THEN SECURE STRUTS WITH (2) CRIMPTITE SCREWS THROUGH STRUT FLANGES INTO END CAPS AT EACH END.
[NOTE: SECURE STRUTS PRIOR TO INSTALLING ROLLER SLIDES.]
8" APPX. FROM ENDS: SECURE STRUTS USING (1) CRIMPTITE SCREW (UPPER).
TOP OF BOTTOM SECTION: OMIT CRIMPTITE SCREW BEHIND #1 ROLLER SLIDES, EACH END.



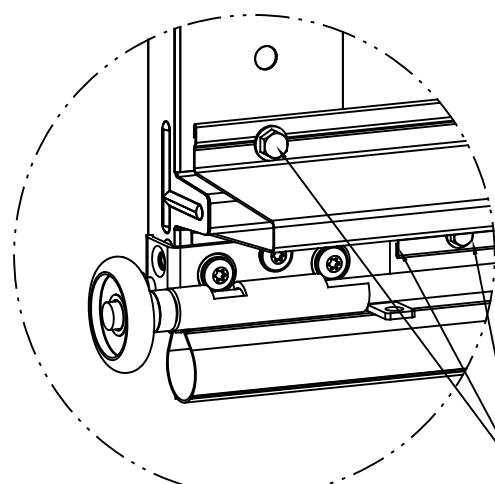
DETAIL C

3" & 4" STRUTS OVER RIB - BETWEEN ENDS:
CENTER HINGES: SECURE WITH (2) CRIMPTITE SCREWS IN STRUT FLANGES AT EACH CENTER HINGE
BETWEEN END & FIRST CENTER HINGE, BOTH ENDS: SECURE 3" U-BAR: (2) CRIMPTITE SCREWS, UPPER & LOWER LEGS
4" STRUT: (1) CRIMPTITE SCREW ON UPPER LEG
BETWEEN CENTER HINGES ON 4" STRUT ON INTERMEDIATE & BOTTOM SECTIONS:
ADD (1) CRIMPTITE SCREW ON UPPER STRUT FLANGE MIDWAY BETWEEN EACH CENTER HINGE.

U-BARS & J-STRUTS
INSTALLED OVER INTEGRAL
RIBS

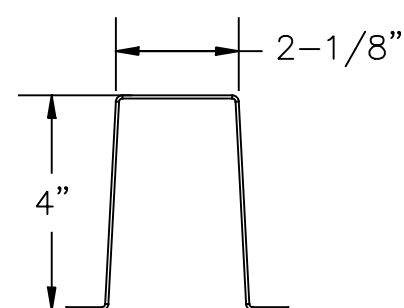


ALL INTEGRAL RIBS WITH NO 3" OR 4" STRUTS MUST HAVE A J-STRUT

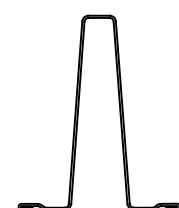


DETAIL D

3" STRUT OVER RIB, BOTTOM BRACKET:
ENDS: NOTCH STRUT TO CLEAR BOTTOM BRACKET. PRIOR TO ASSEMBLY OF J-STRUT, INSTALL REINFORCED ENDCAP BRACKET - SEE NOTE 12, SHT 1. THEN SECURE WITH (2) CRIMPTITE SCREWS IN STRUT FLANGES.



4"X16 GA 80 KSI STRUT



3"X18 GA 80 KSI U-BAR

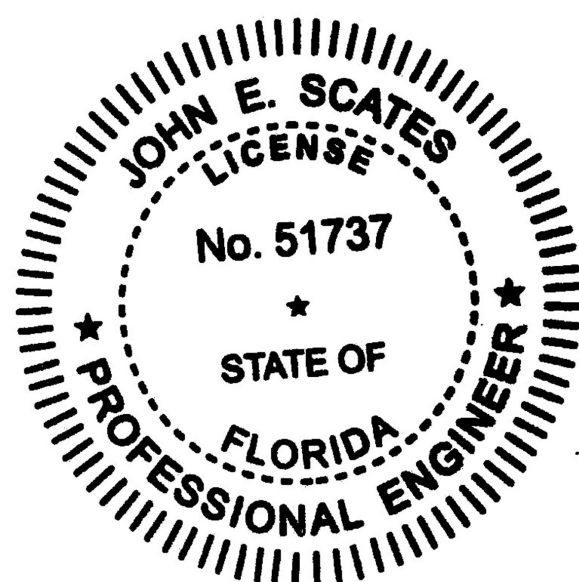


J-STRUT, 18 GA 33 KSI

FASTENER NOTES:

- STRUT SCREW TOTALS (DW>12'):

	3" U-BAR	4" STRUT
TOP SECTION STRUT (SL)	= 20	-
TOP SECTION STRUT (LHR)	= 24	-
INT SECTION STRUT	= -	22
LOK SECTION STRUT	= -	22
BOT SECTION STRUT (UPPER)	= -	20
BOT SECTION STRUT (LOWER)	= 18	-
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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TEST (PSF):	+48.90/-55.40	MAX HEIGHT:	12'-0"	DRAWN			
IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT:	24"	CHECKED			
MODELS 5120/9100/9405/9605/TS100/TS120				SHEET 3 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 0653				DRAWING PART NO.		REV.	
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