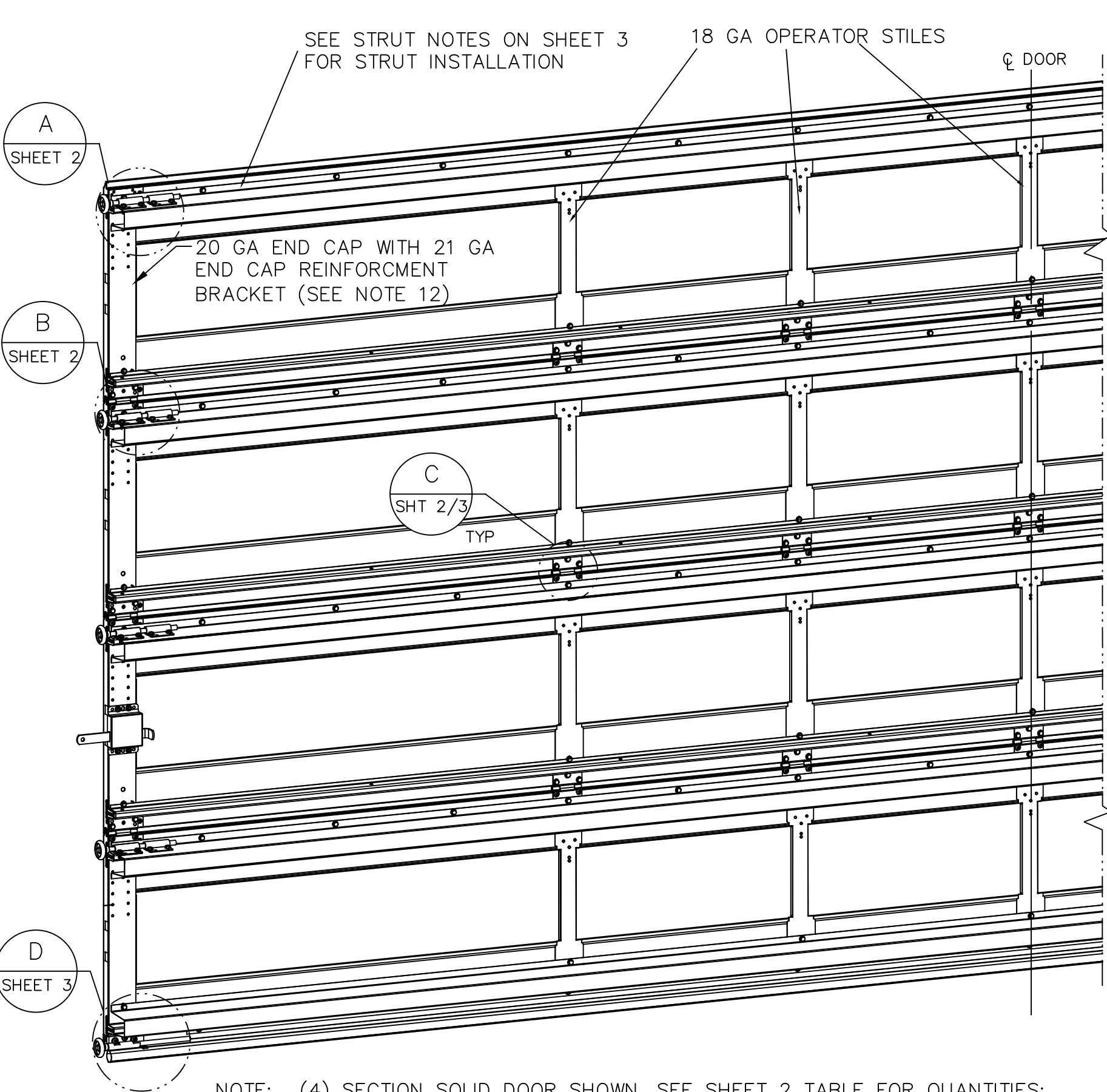
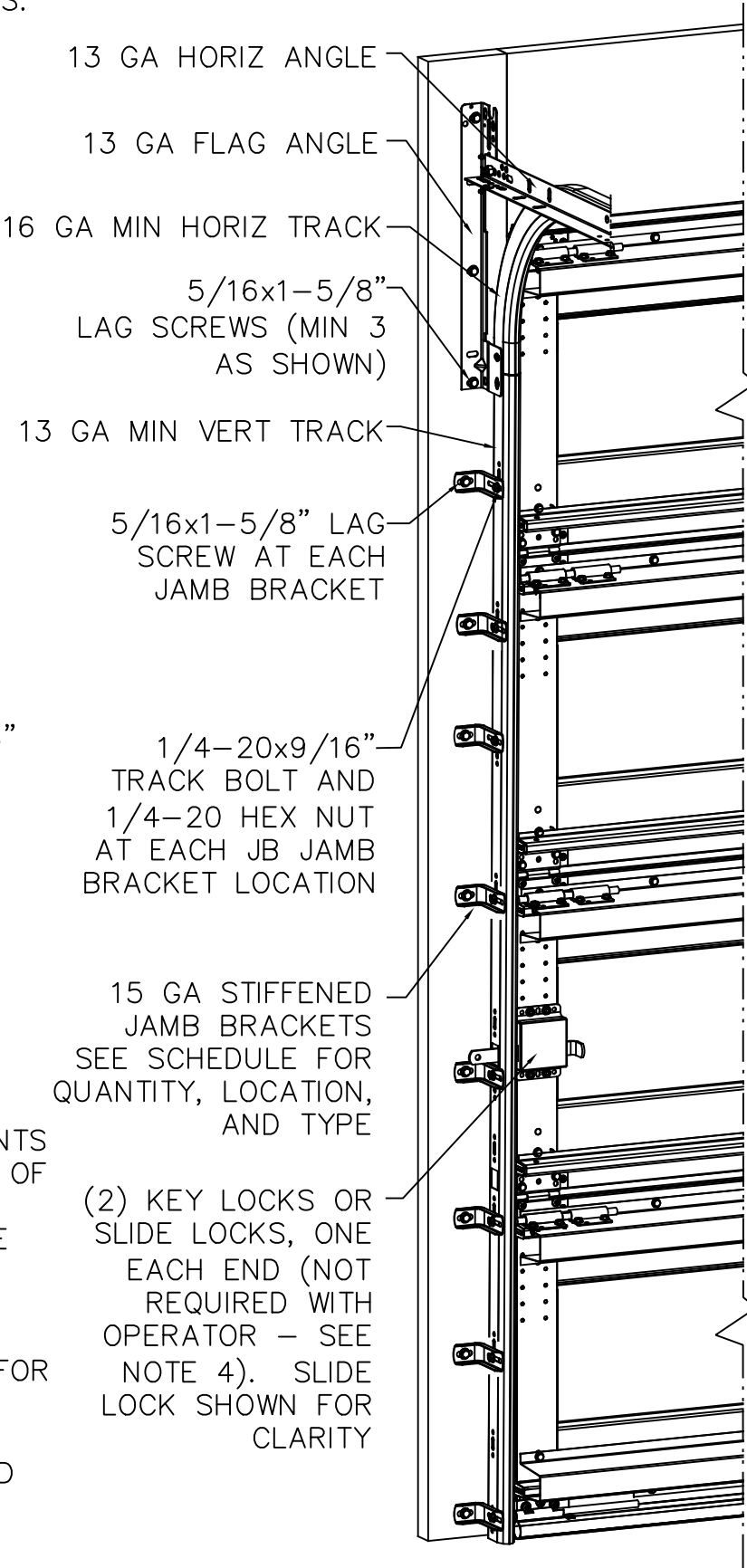


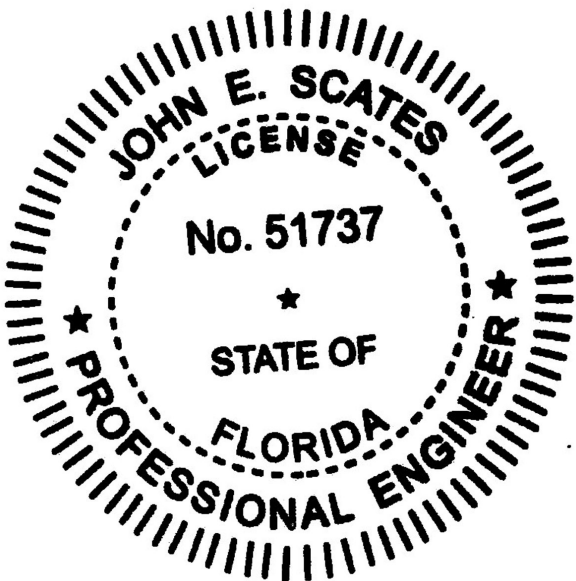
- NOTES:
- NON-IMPACT GLAZED LITE OPTIONS IN MOLDED FRAMES:
 - .125 DSB ANNEALED GLAZING. TEMPERED GLASS ALLOWED.
 - SHORT LITES: CLEAR OPENING SIZE: MAX WD=15.72; MAX HT=12.72
 - (10) MIN QTY SCREWS #8X1
 - LONG LITES: CLEAR OPENING SIZE: MAX WD=40.00; MAX HT=12.75
 - (14) MIN QTY SCREWS #8X1
 - DECORATIVE TRIM INSERTS ALLOWED.
 - GLAZED SECTION ALLOWED IN TOP SECTION.
 - IMPACT RESISTANT GLAZED LITE OPTION:
 - .250 THK MAKROLON AR POLYCARBONATE OR EQUIVALENT.
 - 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.
 - GLAZED SECTION ALLOWED IN TOP SECTION.
 - 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.
 - KEY LOCK, SLIDE LOCKS, OR OPERATOR REQUIRED.
 - 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".
 - 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.
 - DOOR JAMB TO BE MINIMUM 2x6 SOUTHERN PINE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.
 - 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.
 - SEE SHEET 3 FOR FASTENER NOTES.
 - THE TERMS STRUT AND U-BAR MAY BE USED INTERCHANGEABLY.
 - SEE SHEET 3 FOR STRUT ATTACHMENT INSTRUCTIONS.
 - 21 GA REINFORCED ENDCAP BRACKET TO BE PLACED ON THE FACTORY INSTALLED ENDCAP PRIOR TO ATTACHMENT OF STRUTS.



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



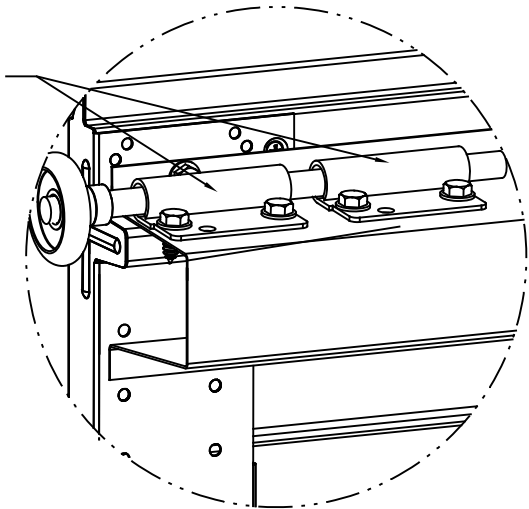
SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE		
MAX DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF) +32.6/-36.9
18'-0"	ALL	+293/-332
17'-0"	ALL	+277/-314

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.

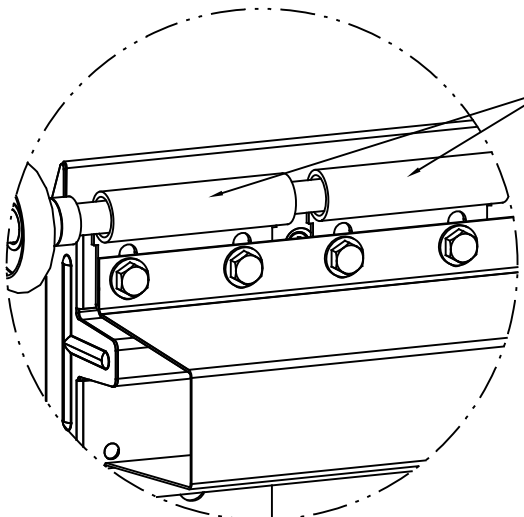
Digitally signed by John E. Scates P.E.
Date: 2020.08.10 17:44:18 -05'00'

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):	+32.6/-36.9	MAX WIDTH:	18'-0"	DATE	NAME
	TEST (PSF):	+48.9/-55.4	MAX HEIGHT:	12'-0"	DRAWN 4/1/20	SW
	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 0658					DRAWING PART NO.	REV.
					411644	-

(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

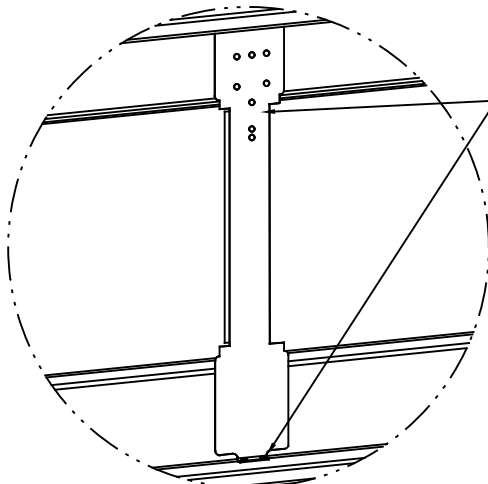


DETAIL A



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.

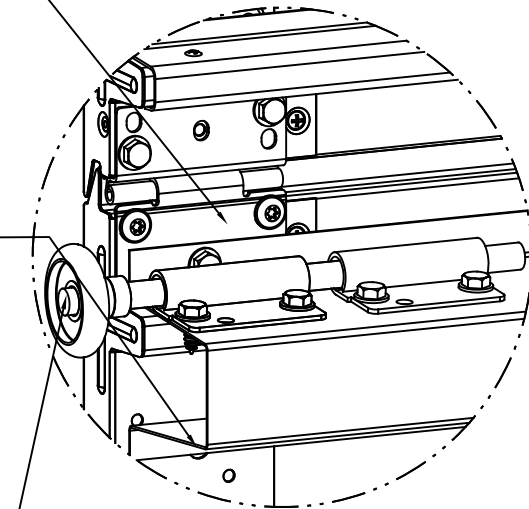


OPERATOR STILE
ATTACHMENT

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

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

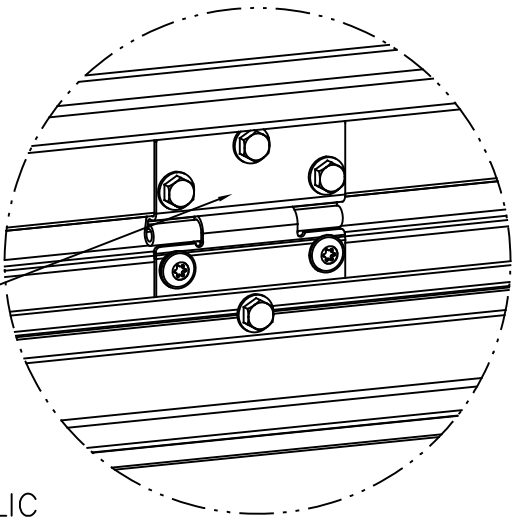
(2) 13 GA ROLLER SLIDES
ALIGNED & ATTACHED ON TOP
OF STRUT WITH (4) CRIMPTITE
SCREWS. OUTSIDE SLIDE
REQUIRES WELDED "TUBE"
CLOSED. SLIDES MUST BE NO
GREATER THAN 1/4" APART.
ROLLER MUST MOVE FREELY.



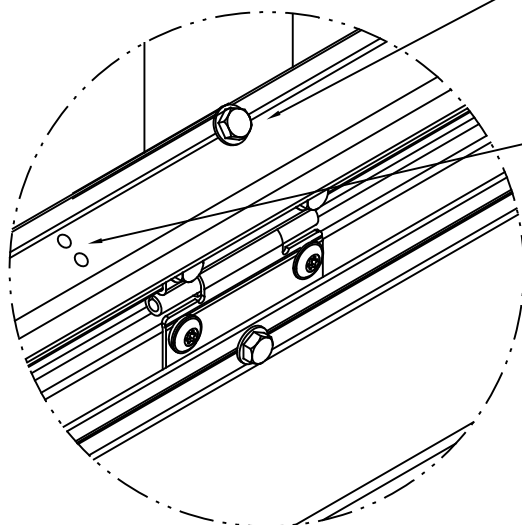
DETAIL B

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

HINGE FACTORY
ATTACHED WITH (4)
CRIMPTITE SCREWS (6
SCREWS TOTAL):
18 GA - STATIC ONLY
15 GA - IMPACT/CYCLIC



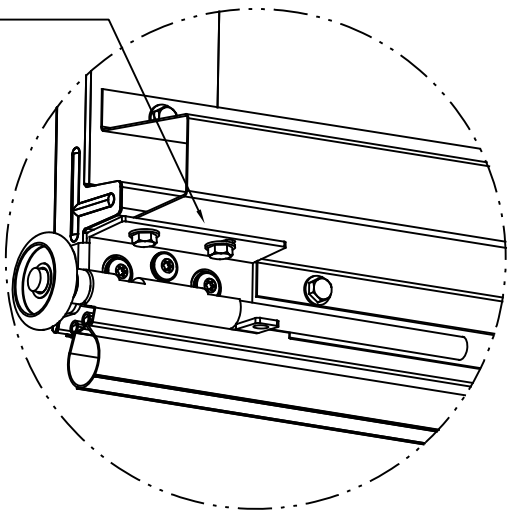
DETAIL C



J-STRUT ATTACHMENT

J-STRUT OVER RIB
ENDS: 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)

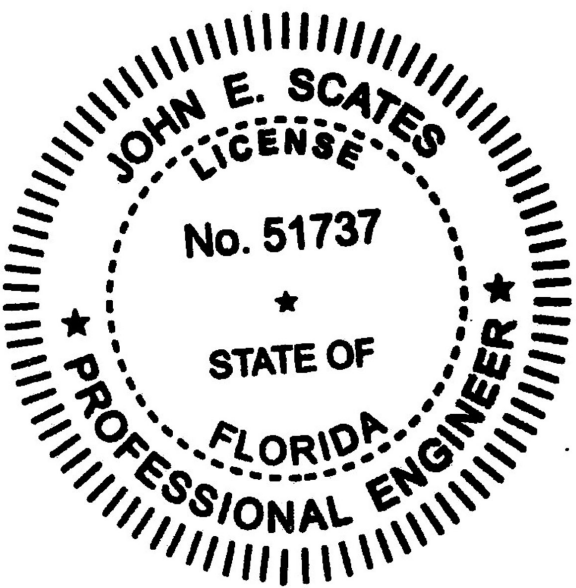
BOTTOM BRACKET:
STATIC & IMPACT:
12 GA IMPACT BOTTOM BRACKET
FACTORY ATTACHED (3)
CRIMPTITE SCREWS TOTAL.
SECURE BB FLANGE TO STRUT
WITH (2) CRIMPTITE SCREWS.



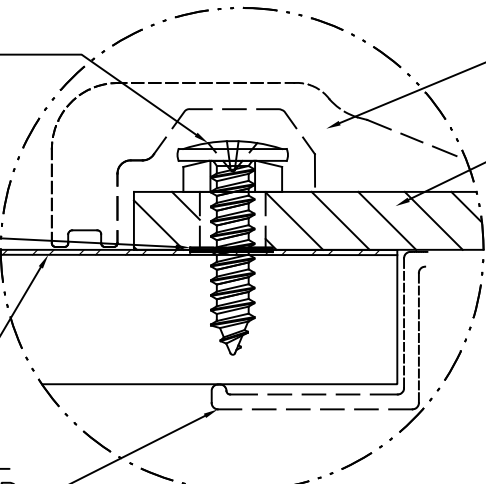
DETAIL D

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
17'0"	8	5	5	3	4	5	5	3	8	4	5	5	3	4	5	5	3
18'0"	8	5	5	3	4	5	5	3	8	4	5	5	3	4	5	5	3



#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

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

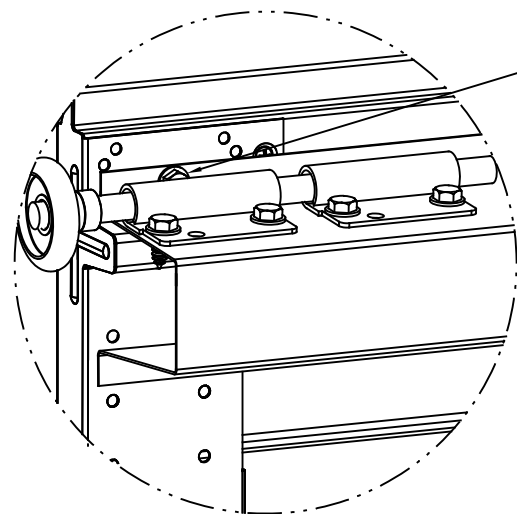
DETAIL E

WayneDalton

GARAGE DOORS™

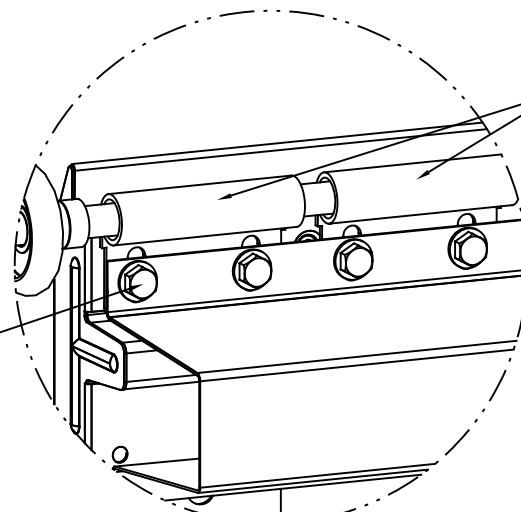
A DIVISION OF OVERHEAD DOOR CORP
3395 ADDISON DRIVE
PENSACOLA, FLORIDA 32514
(850) 474-9890

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: C	
DESIGN (PSF):	+32.6/-36.9	MAX WIDTH: 18'-0"		DATE		NAME	
TEST (PSF):	+48.9/-55.4	MAX HEIGHT: 12'-0"		DRAWN	4/1/20	SW	
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 0658				DRAWING PART NO.		REV.	
				411644		-	



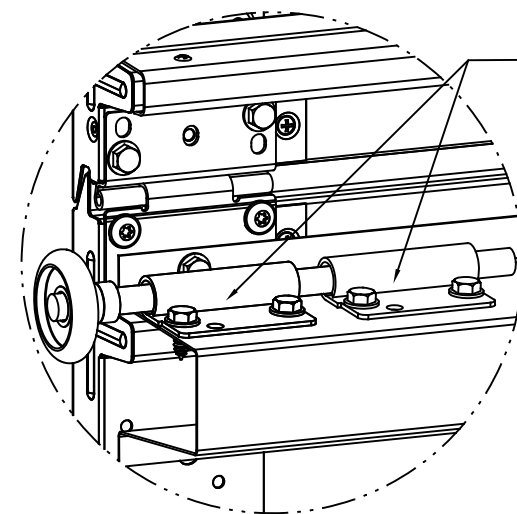
DETAIL A

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 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)



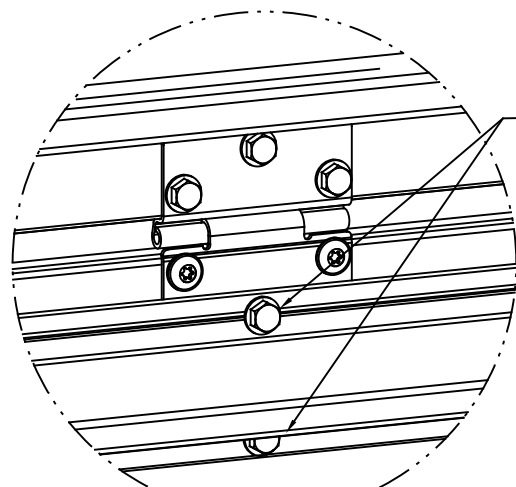
LOW HEADROOM TRACK
DETAIL A

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.



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

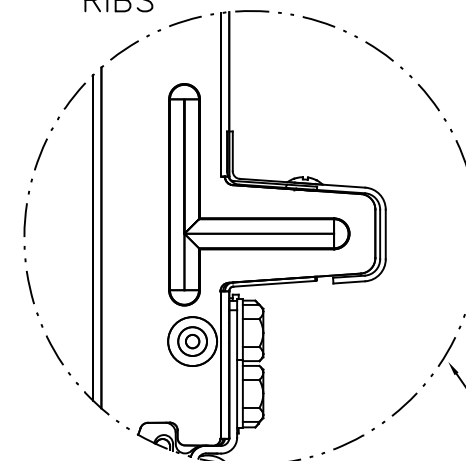
4" STRUT OVER RIB – BETWEEN ENDS:
CENTER HINGES: SECURE WITH (2) CRIMPTITE SCREWS IN STRUT FLANGES AT EACH CENTER HINGE.

STRUT ON LOWER RAIL OF BOTTOM SECTION:
BETWEEN CENTER HINGES/OPERATOR STILES:
ADD (1) CRIMPTITE SCREW ON LOWER STRUT FLANGE MIDWAY BETWEEN EACH CENTER HINGE.
BETWEEN END & FIRST OP STILE, BOTH ENDS:
SECURE WITH (1) CRIMPTITE SCREW ON LOWER STRUT LEG.
APPX 1-FT FROM FIRST OP STILE:
ADD (1) CRIMPTITE SCREW ON LOWER STRUT FLANGE

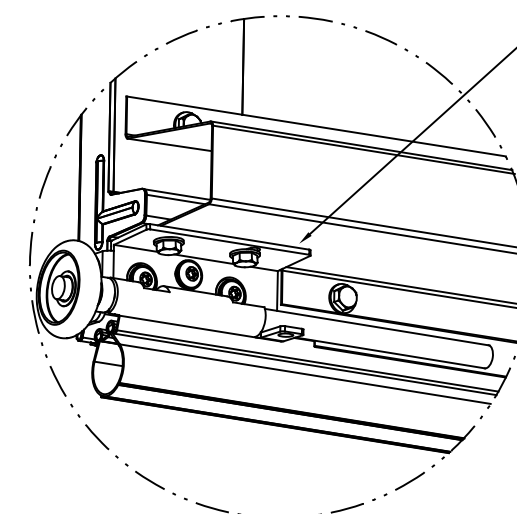
STRUTS ON UPPER RAILS OF BOT, INT & TOP SECTIONS:
BETWEEN CENTER HINGES/OPERATOR STILES:
ADD (1) CRIMPTITE SCREW ON UPPER STRUT FLANGE MIDWAY BETWEEN EACH CENTER HINGE.
BETWEEN END & FIRST OP STILE, BOTH ENDS:
SECURE WITH (1) CRIMPTITE SCREW ON UPPER STRUT LEG.
APPX 1-FT FROM FIRST OP STILE:
ADD (1) CRIMPTITE SCREW ON UPPER STRUT FLANGE

(4) SECTION DOORS:
(5) 4"x16 GA STRUT
(3) J-STRUT, 18 GA

STRUTS & J-STRUTS
INSTALLED OVER INTEGRAL
RIBS

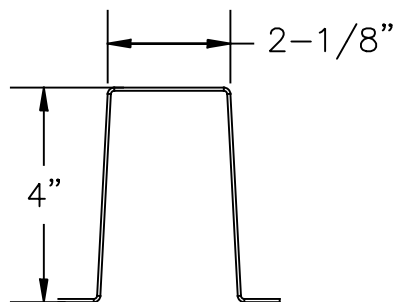


ALL INTEGRAL RIBS WITH NO 4" STRUTS MUST HAVE A J-STRUT



DETAIL D

4" STRUT OVER RIB, BOTTOM BRACKETS:
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



J-STRUT, 18 GA 33 KSI

FASTENER NOTES:

- STRUT SCREW TOTALS

	3" U-BAR	4" STRUT
TOP SECTION: SOLID & SHORT LITE (5 STILE/SL)	=	24
TOP SECTION: SOLID & SHORT LITE (5 STILE/LHR)	=	28
TOP SECTION: DOUBLE/RANCH LITE (3 STILE/SL)	=	22
TOP SECTION: DOUBLE/RANCH LITE (3 STILE/LHR)	=	26
INT SECTION	=	24
LOK SECTION	=	24
BOT SECTION (UPPER)	=	22
BOT SECTION (LOWER)	=	22
J-STRUT W/ OP STILE	=	2 + 1/STILE
- "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.

(6) SECTION DOORS:
(7) 4"x16 GA STRUT
(5) J-STRUT, 18 GA

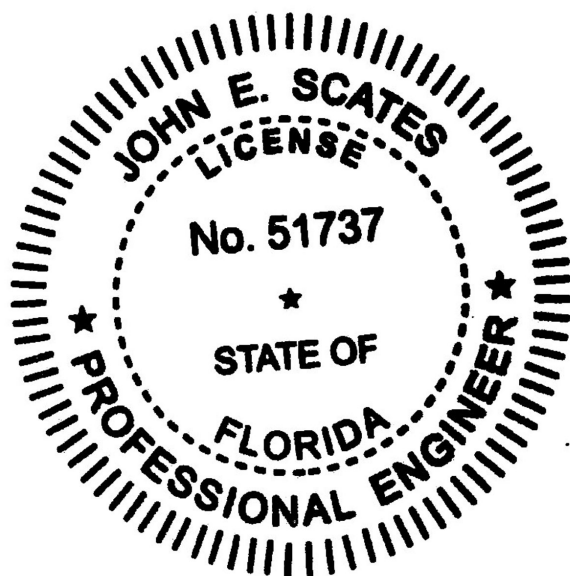
(5) SECTION DOORS:
(6) 4"x16 GA STRUT
(4) J-STRUT, 18 GA

U-BARS &
J-STRUTS
INSTALLED OVER
INTEGRAL RIBS

(4) SECTION DOORS:
(5) 4"x16 GA STRUT
(3) J-STRUT, 18 GA

STRUTS & J-STRUTS
INSTALLED OVER INTEGRAL
RIBS

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



Wayne Dalton
GARAGE DOORS™
A DIVISION OF OVERHEAD DOOR CORP
3395 ADDISON DRIVE
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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: C	
DESIGN (PSF):	+32.6/−36.9	MAX WIDTH:	18'−0"	DATE		NAME	
TEST (PSF):	+48.9/−55.4	MAX HEIGHT:	12'−0"	DRAWN	4/1/20	SW	
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 0658				DRAWING PART NO.		REV.	
				411644		—	