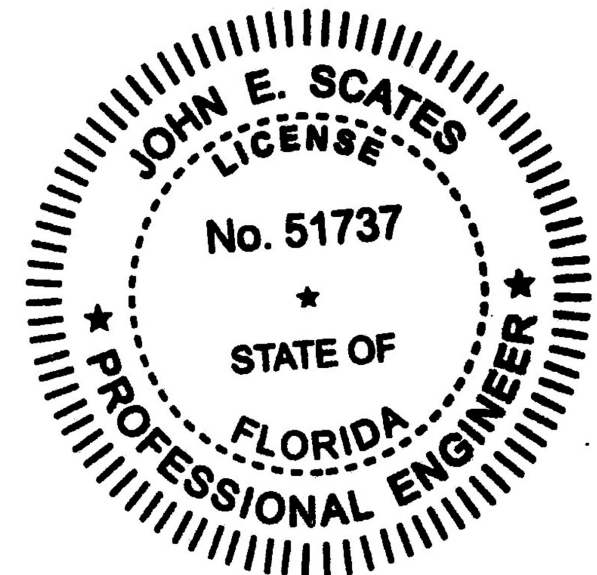


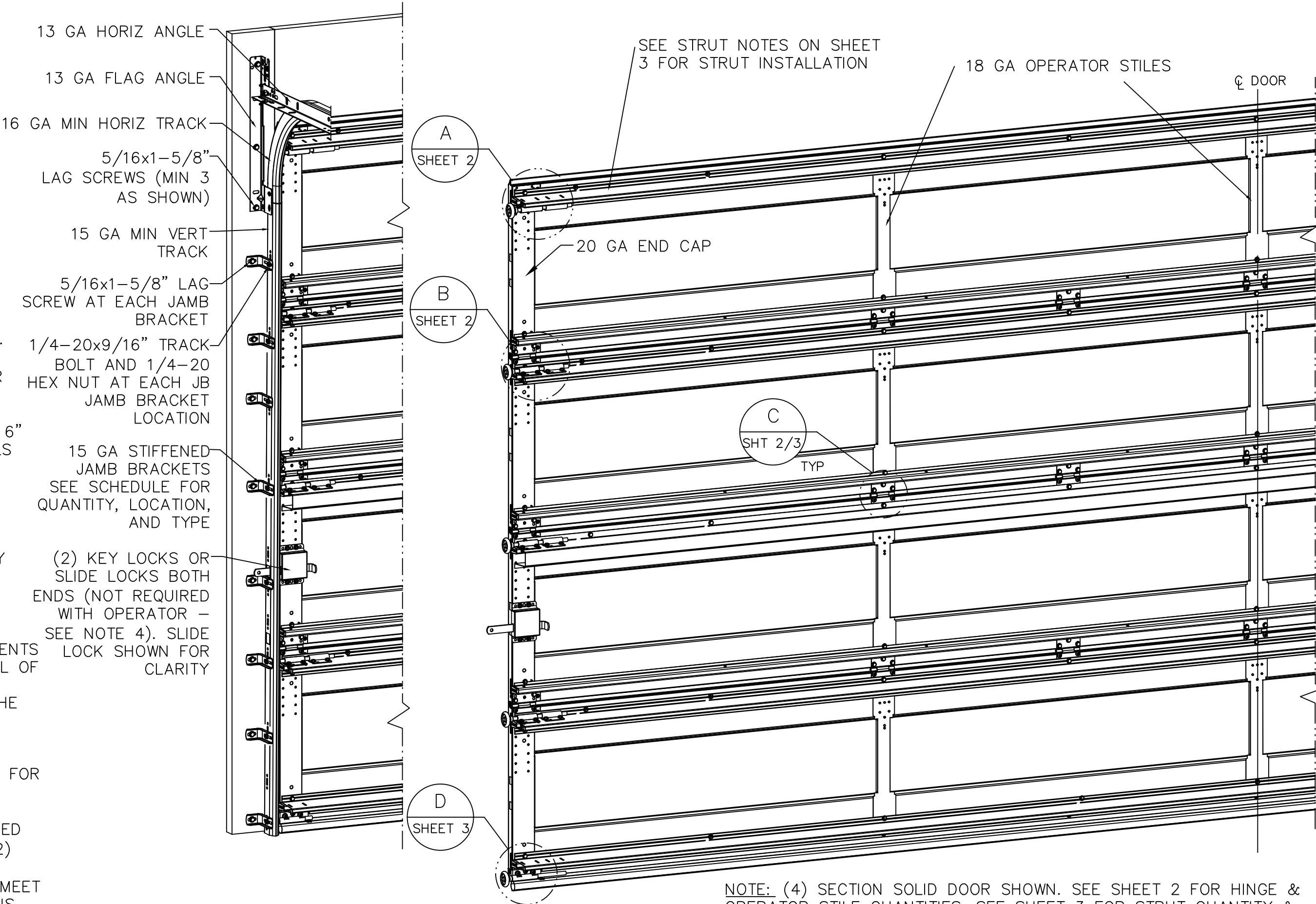
- NOTES:
- NON-IMPACT GLAZED LITE OPTIONS IN MOLDED FRAMES:
 - .125 DSB ANNEALED GLAZING. TEMPERED GLASS ALLOWED.
 - SHORT LITES: CLEAR OPENING SIZE: MAX WD=15.72; MAX HT=12.72
 - (10) MIN QTY SCREWS #8X1
 - LONG LITES: CLEAR OPENING SIZE: MAX WD=40.00; MAX HT=12.75
 - (14) MIN QTY SCREWS #8X1
 - DECORATIVE TRIM INSERTS ALLOWED.
 - (1) GLAZED SECTION ALLOWED IN 3RD SECTION OR HIGHER
 - 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.
 - (1) GLAZED SECTION ALLOWED IN 3RD SECTION OR HIGHER.
 - 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.



SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE		
MAX DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF) +28.7/-32.4
16'-0"	ALL	+229.6/-259.2
14'-0"	ALL	+200.9/-226.8
12'-0"	ALL	+172.2/-194.4
10'-0"	ALL	+143.5/-162.0

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 18:00:34 -05'00'



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:

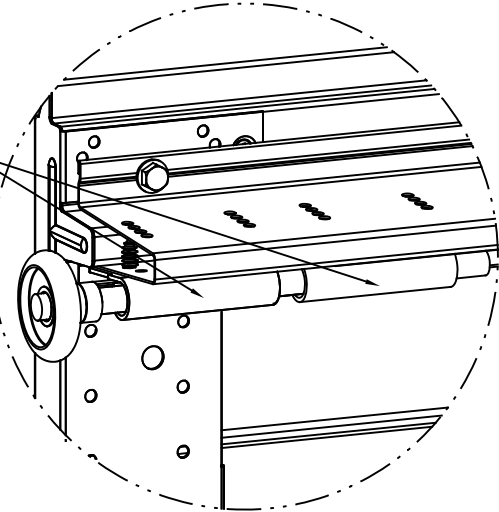
- (JB) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4-20x9/16" TRACK BOLT AND NUT.
- ALL DOORS WITH HIGH LIFT, ROOF PITCH, AND/OR GREATER THAN 8' IN HEIGHT REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SUPPLEMENT TRACK CHART FOR DETAILS.



STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: C	
DESIGN (PSF):	+28.70/−32.40	MAX WIDTH:	16'−0"	DATE		NAME	
TEST (PSF):	+43.10/−48.60	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 0652				DRAWING PART NO.		REV.	
				411638		A	

REVISIONS
REV A: PER PCR
32421, ADD MDLS
TS100/TS120; BL
17JUL20

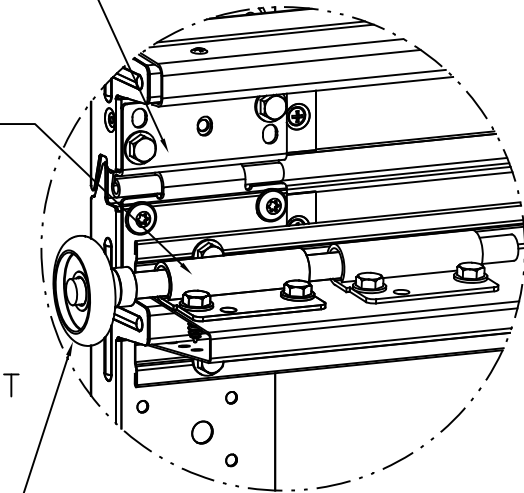
(2) 13 GA ADJ. TOP FIXTURE ATTACHED UNDER STRUT WITH (4) CRIMPTITE SCREWS. SLIDES MUST BE NO GREATER THAN 1/4" APART. ROLLER MUST MOVE FREELY.



DETAIL A

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

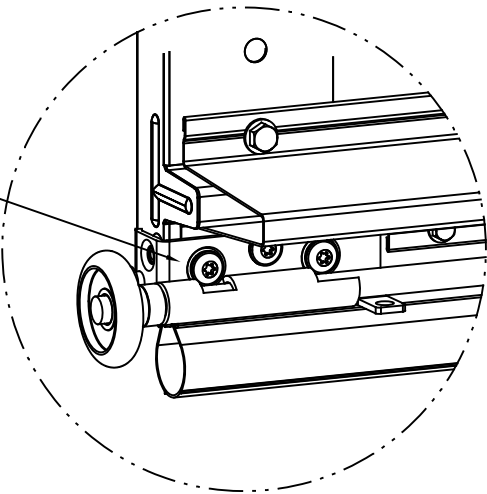
(2) 13 GA ROLLER SLIDES ALIGNED & ATTACHED ON TOP OF STRUT WITH (4) CRIMPTITE SCREWS. SLIDES MUST BE NO GRATER THAN 1/4" APART. ROLLER MUST MOVE FREELY.



DETAIL B

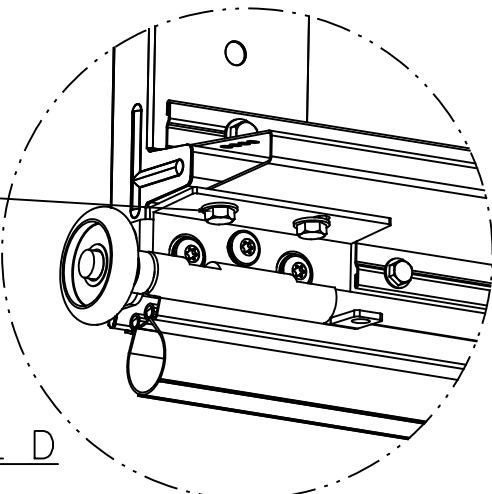
2" 10-BALL STEEL ROLLER, 1144 HS 9" STEM. OPTIONAL - 11-BALL BEARING NYLON ROLLER

12 GA BOTTOM BRACKET FACTORY ATTACHED WITH (3) CRIMPTITE SCREWS TOTAL



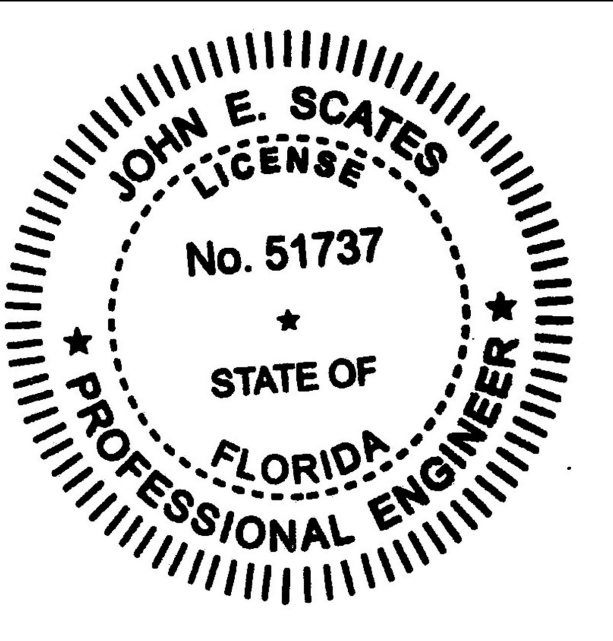
DETAIL D

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

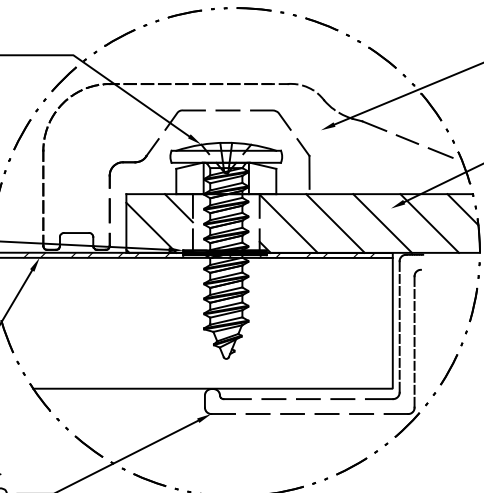


#8x3/4" MIN STAINLESS SCREWS WITH STAINLESS BACKED RUBBER WASHERS 3-1/2" O.C. MAX

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

FACER STEEL

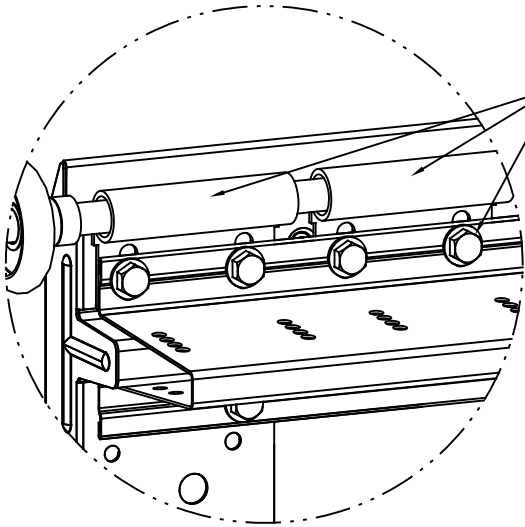
NON-STRUCTURAL DECORATIVE INNER WINDOW TRIM



DETAIL E

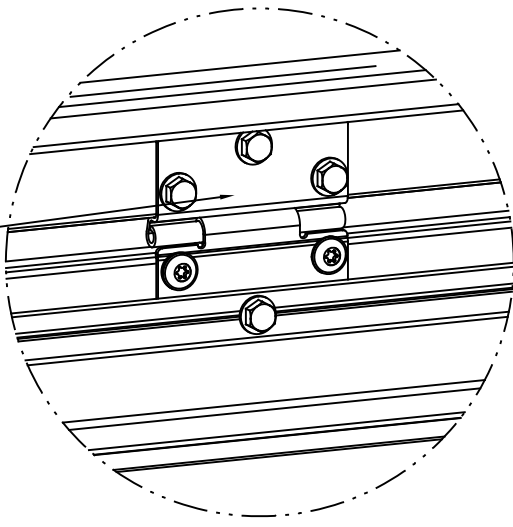
NON-STRUCTURAL DECORATIVE OUTER WINDOW TRIM
1/4" POLYCARBONATE

(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.



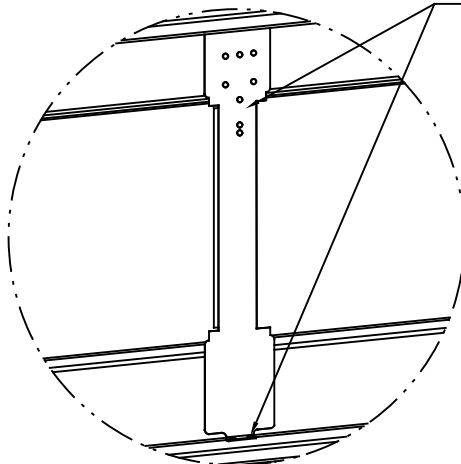
LOW HEADROOM TRACK
DETAIL A

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



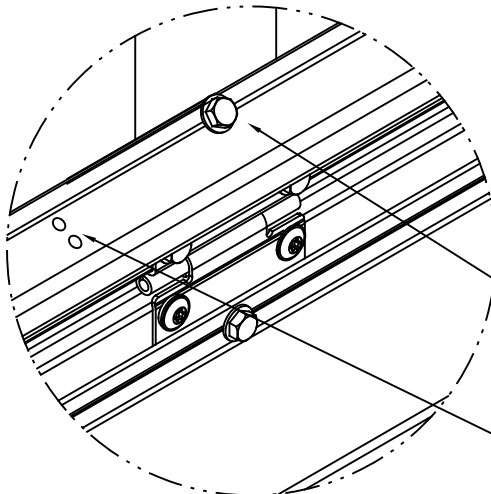
DETAIL C

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



OPERATOR STILE
ATTACHMENT

J-STROUT OVER RIB:
ENDS: SECURE WITH (1) CRIMPTITE SCREW THRU J-STROUT FLANGE LEG INTO ENDCAP EACH END.
OPERATOR STILE:
SECURE WITH (1) CRIMPTITE SCREW THROUGH J-STROUT FLANGE INTO OPERATOR STILE
LENGTH OF STRUT:
SECURE WITH (2) #8 PIERCING SCREWS FROM J-STROUT LEG INTO RIB IN PRE-DRILLED HOLES @ 27" ± 4" O.C. (FACTORY INSTALLED)



J-STROUT ATTACHMENT

SECTION QUANTITIES

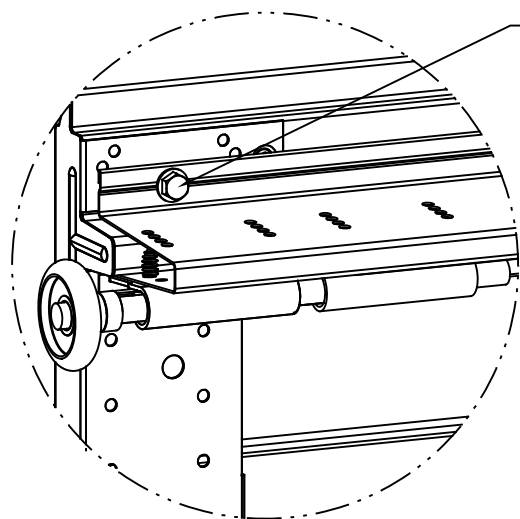
Door Width	CRP / FLUSH				RANCH				SONOMA					SONOMA RANCH			
	STAMPS / SHORT LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED	STAMPS / LONG LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED	STAMPS / SHORT LITES	LONG LITES	CTR HNG	OP STILES: SOLID	OP STILES: GLAZED	STAMPS / LONG LITES	CTR HNG	OP STILES: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

Wayne Dalton

GARAGE DOORS

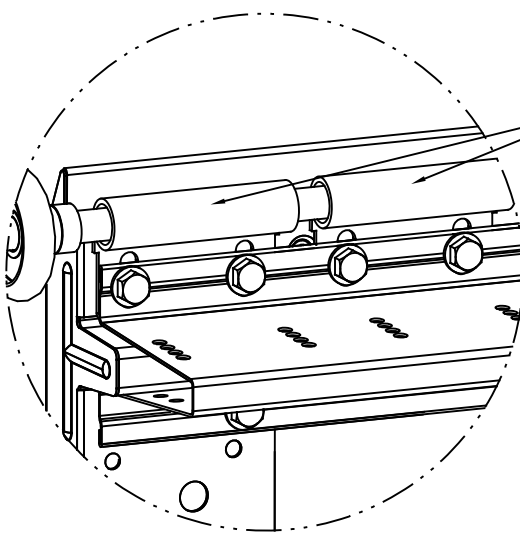
A DIVISION OF OVERHEAD DOOR CORP
3395 ADDISON DRIVE
PENSACOLA, FLORIDA 32514
(850) 474-9890

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: C	
DESIGN (PSF):	+28.70/-32.40	MAX WIDTH: 16'-0"		DATE		NAME	
TEST (PSF):	+43.10/-48.60	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 0652				DRAWING PART NO.		REV.	
				411638		A	



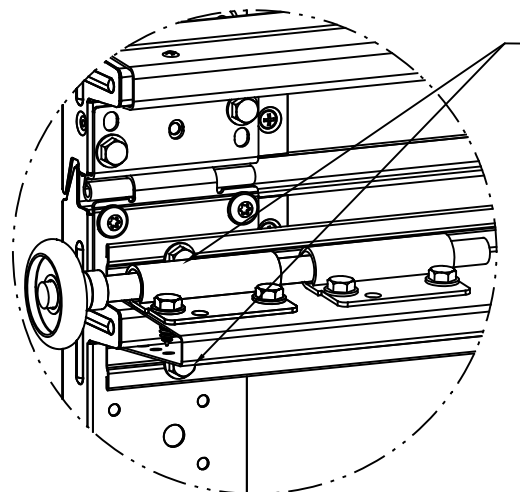
DETAIL A

3" STRUT OVER RIB, TOP FIXTURES
ENDS: SECURE WITH CRIMPTITE SCREWS THROUGH STRUT_FLANGES INTO END CAPS AT EACH END:
(2) FOR STD LIFT TRACK
(5) FOR LHR TRACK (2 THRU TF BRKT)
8" APPX. FROM ENDS: SECURE STRUTS USING (1) CRIMPTITE SCREW, UPPER LEG. (NOT REQUIRED WITH LHR ROLLER SLIDES)



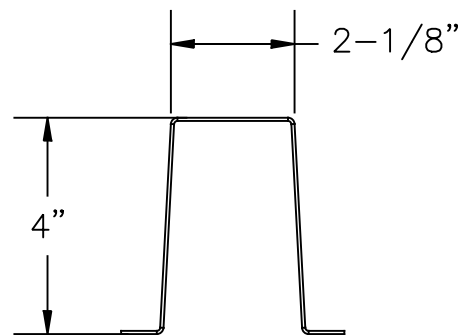
LOW HEADROOM TRACK
DETAIL A

SECURE THRU ROLLER SLIDES INTO END CAP & TOP RAIL WITH (4) CRIMPTITE SCREWS. SLIDES MUST BE NO GREATER THAN 1/4" APART. ROLLER MUST MOVE FREELY.

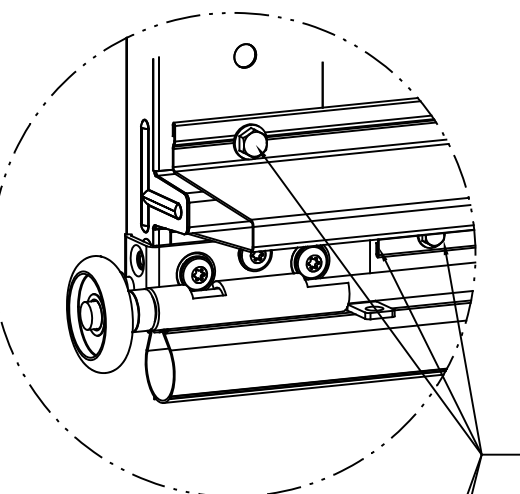


DETAIL B

3" & 4" STRUT OVER RIB, JOINTS:
ENDS: SECURE 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 STRUT USING (1) CRIMPTITE SCREW (UPPER).
TOP OF BOTTOM SECTION:
OMIT CRIMPTITE SCREWS BEHIND #1 ROLLER SLIDES, EACH END.

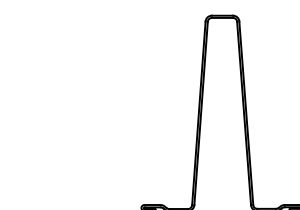


4"X16 GA 80 KSI STRUT



DETAIL D

3" STRUT OVER RIB, BOTTOM BRACKET
ENDS: NOTCH STRUT TO CLEAR BOTTOM BRACKET SECURE WITH (2) CRIMPTITE SCREWS IN STRUT FLANGES.

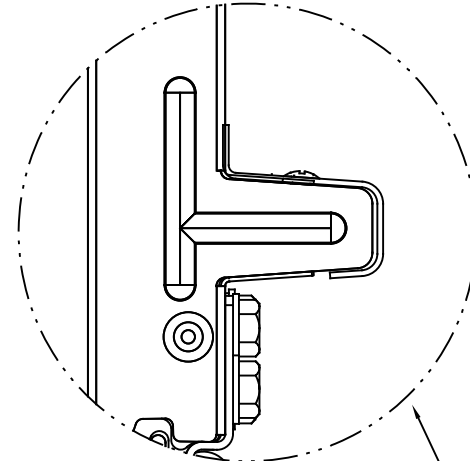


3"X18 GA 80 KSI U-BAR

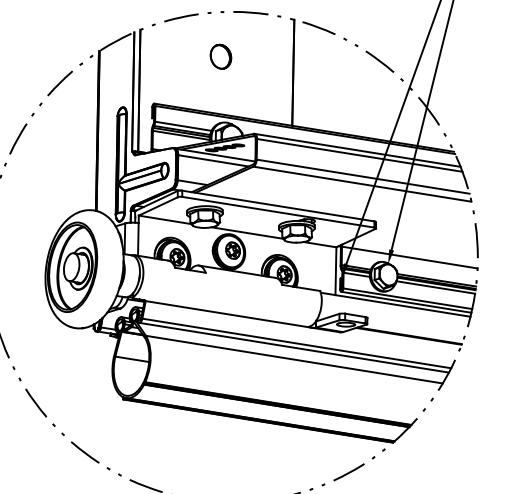


J-STRUT, 18 GA

STRUT & J-STRUTS
INSTALLED OVER INTEGRAL
RIBS

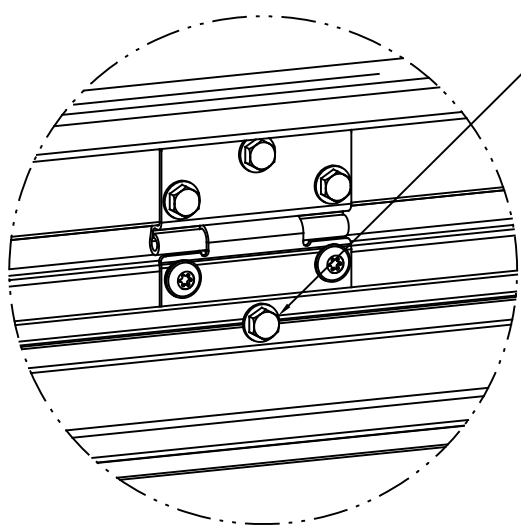


ALL INTEGRAL RIBS WITH NO
3" OR 4" STRUTS MUST
HAVE A J-STRUT



DETAIL D

IMPACT BOTTOM BRACKET



DETAIL C

3" & 4" STRUTS OVER RIB-BETWEEN ENDS:
CENTER HINGE: 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:
ADD (1) CRIMPTITE SCREW ON UPPER STRUT FLANGE MIDWAY BETWEEN EACH CENTER HINGE.

FASTENER NOTES:

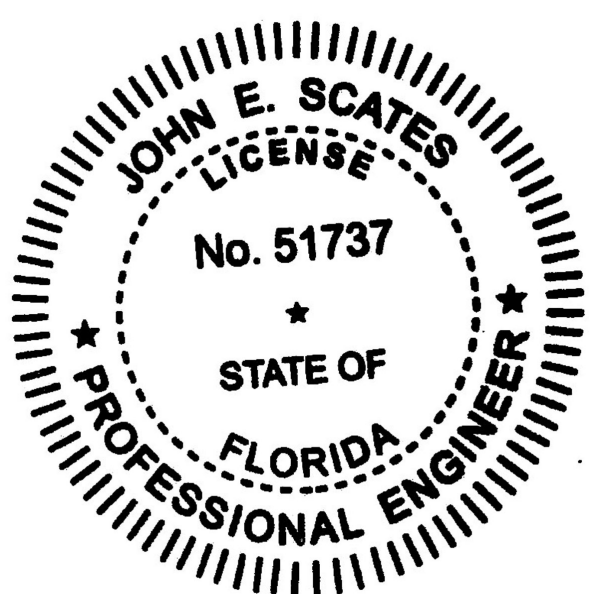
- STRUT SCREW TOTALS (DW>12'):

	3" U-BAR	4" STRUT
TOP SECTION STRUT (SL)	= 20	-
TOP SECTION STRUT (LHR)	= 24	-
INT SECTION STRUT	= 20	20
LOK SECTION STRUT	= -	20
BOT SECTION STRUT (UPPER)	= 18	-
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.

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

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

(4) SECTION DOORS:
(1) 4"X16 GA STRUT
(4) 3"X18 GA 80 KSI U-BARS
(3) J-STRUT, 18 GA



Wayne Dalton
GARAGE DOORS™
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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: C	
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TEST (PSF):	+43.10/−48.60	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 3 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 0652				DRAWING PART NO.		REV.	
				411638		A	