

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
 - LONG LITES: CLEAR OPENING SIZE: 16
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
2. 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.
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 ELEMENT 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.

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

SEE STRUT NOTES ON SHEET
3 FOR STRUT INSTALLATION

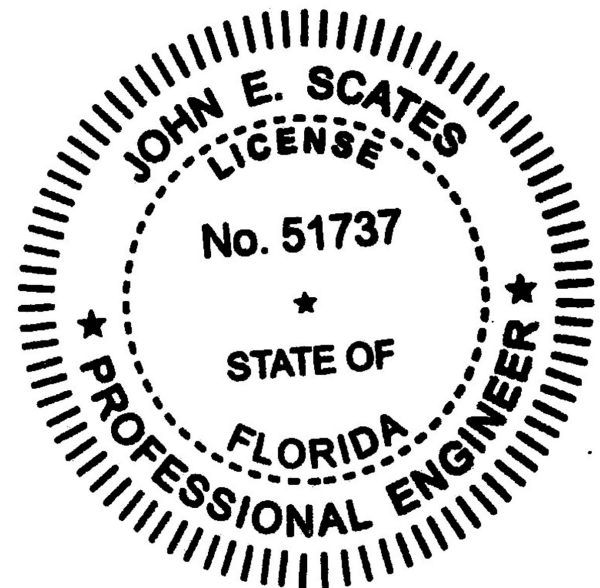
-20 GA END CAP

C
SHT 2/3

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

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



MAX DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF) +25.00/-28.20
16'-0"	ALL	+200.0/-225.6
14'-0"	ALL	+175.0/-197.4
12'-0"	ALL	+150.0/-169.2
10'-0"	ALL	+125.0/-141.0

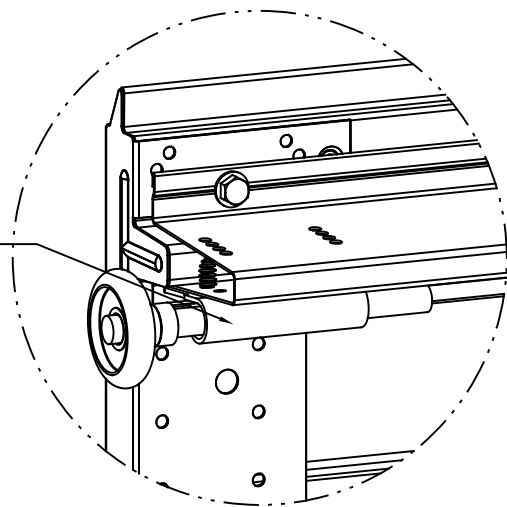
JOHN E. SCATES, PE
2560 KING ARTHUR BLVD #124
LEWISVILLE, TX 75056
FL PE 51737
TX PE 56308 / F2203
PROFESSIONAL ENGINEER SEAL PROVIDED
ONLY FOR VERIFICATION OF WINDLOAD
CONSTRUCTION DETAILS.

Digitally signed by John E. Scates P.E.
Date: 2020.08.10 18:01:33 -05'00'

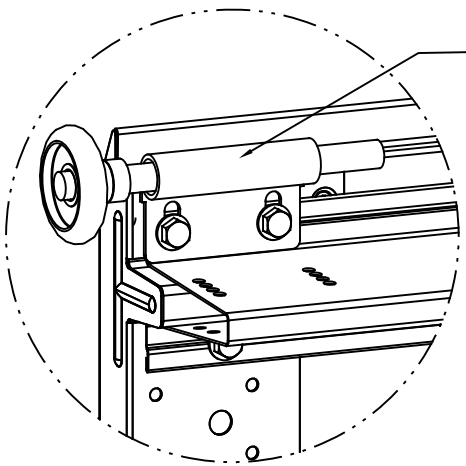
Wayne Dalton™
GARAGE DOORS
A DIVISION OF OVERHEAD DOOR CORP.
3395 ADDISON DRIVE
PENSACOLA, FLORIDA 32514
(850) 474-9890

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: C	
DESIGN (PSF): +25.00/-28.20		MAX WIDTH: 16'-0"		DATE		NAME	
TEST (PSF): +37.50/-42.30		MAX HEIGHT: 12'-0"		DRAWN	1/27/20	CSM	
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 24"		CHECKED			
MODELS 5120/9100/9405/9605/TS100/TS120				SHEET 1 OF 3			
				DRAWING PART NO. 411637		REV. A	
WINDLOAD SPECIFICATION OPTION CODE 0651							

13 GA ADJUSTABLE
TOP FIXTURE
ATTACHED UNDER
STRUT WITH (2)
CRIMPTITE SCREWS

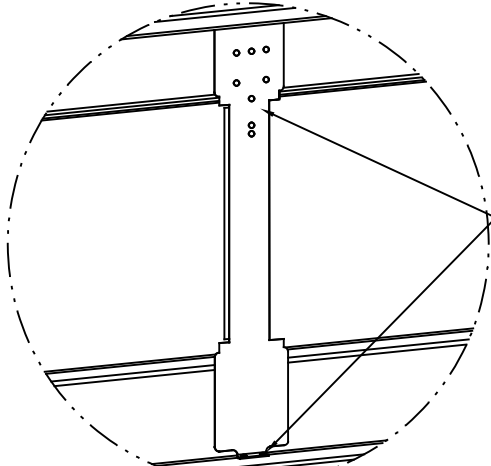


DETAIL A



LOW HEADROOM TRACK
DETAIL A

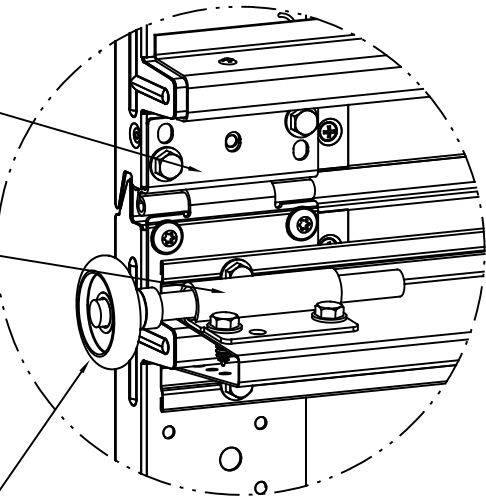
13 GA ADJUSTABLE
TOP FIXTURE
ATTACHED THRU
STRUT FLANGE INTO
END CAP WITH (2)
CRIMPTITE SCREWS



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.

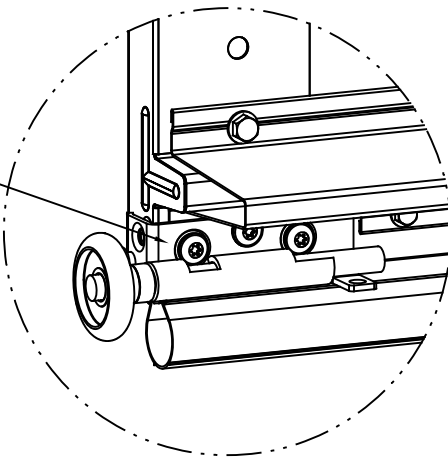
15 GA HINGE
FACTORY ATTACHED
WITH (2) CRIMPTITE
SCREWS (4 SCREWS
TOTAL)



DETAIL B

13 GA ROLLER SLIDE
ATTACHED ON TOP
OF STRUT WITH (2)
CRIMPTITE SCREWS

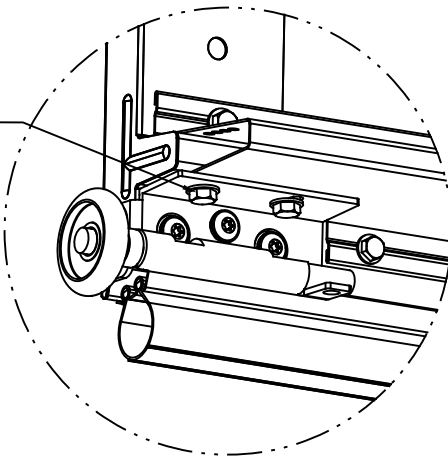
2" NYLON ROLLER,
STORMGARD 5"
STEM. OPTIONAL -
10/11-BALL
BEARING ROLLER



DETAIL D

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

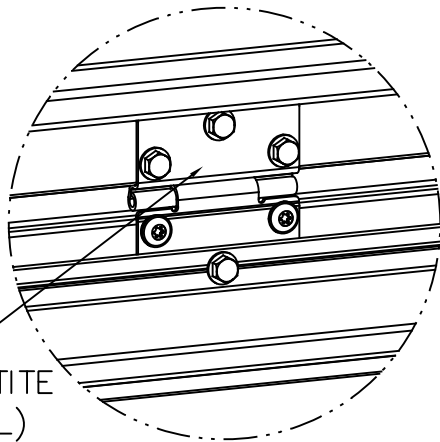
12 GA IMPACT BOTTOM
BRACKET FACTORY
ATTACHED (3) CRIMPTITE
SCREWS TOTAL. SECURE
BB FLANGE TO U-BAR
WITH (2) CRIMPTITE
SCREWS



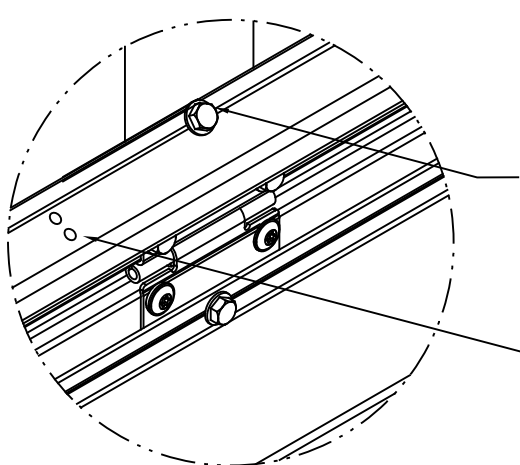
DETAIL D

IMPACT BOTTOM BRACKET

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



DETAIL C



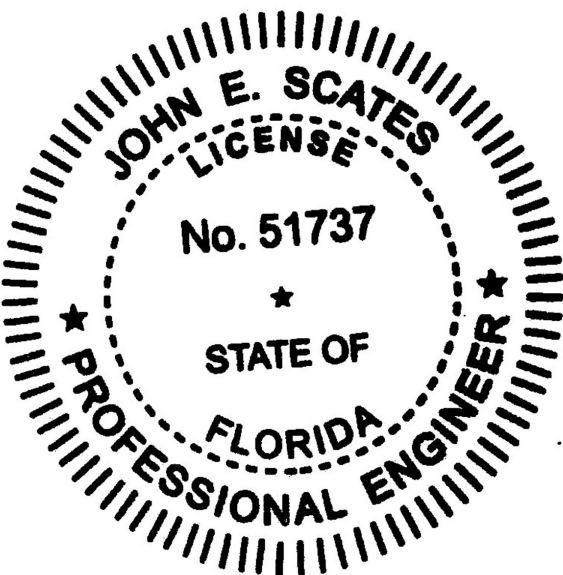
J-STRUT ATTACHMENT

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

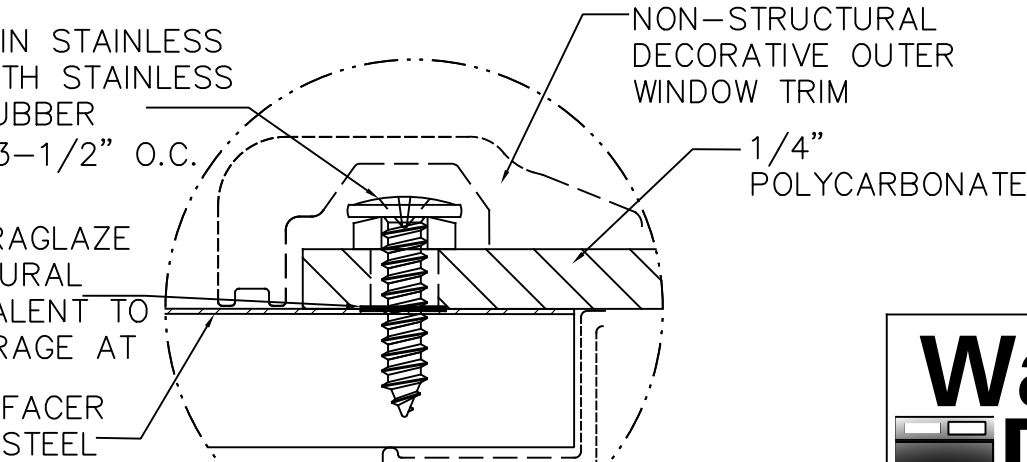
SECTION QUANTITIES

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	1	1	3	3	1	2	6	3	3	2	2	3	3	2	2
13'-0"	7	5	2	2	3	5	1	2	6	3	5	2	2	3	5	2	2
14'-0"	7	5	2	2	3	5	1	2	6	3	5	2	2	3	5	2	2
15'-0"	7	5	2	2	4	5	1	1 *	8	4	5	1	1 *	3	5	2	2
16'-0"	8	5	1	1 *	4	5	1	1 *	8	4	5	1	1 *	4	5	1	1 *

* NOTE: OPERATOR STILE QUANTITY FOR IMPACT/CYCLIC DOORS = 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.

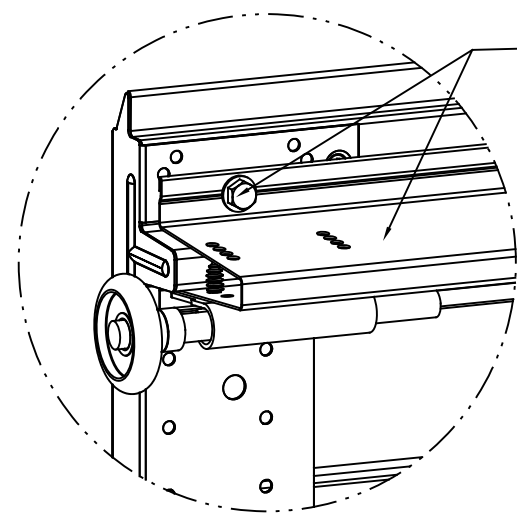


NON-STRUCTURAL
DECORATIVE INNER
WINDOW TRIM

DETAIL E

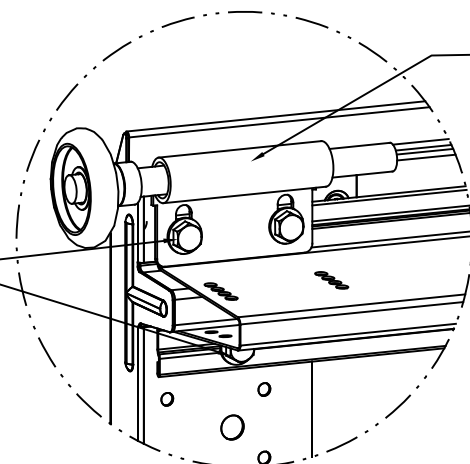
Wayne Dalton
GARAGE DOORS
A DIVISION OF OVERHEAD DOOR CORP
3395 ADDISON DRIVE
PENSACOLA, FLORIDA 32514
(850) 474-9890

STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: C	
DESIGN (PSF):	+25.00/-28.20	MAX WIDTH:	16'-0"	DATE		NAME	
TEST (PSF):	+37.50/-42.30	MAX HEIGHT:	12'-0"	DRAWN	1/27/20	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 0651				DRAWING PART NO.		REV.	
				411637		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
(3) FOR LHR TRACK (2 THRU TF
BRKT)
8" APPX. FROM ENDS: SECURE
STRUTS USING (1) CRIMPTITE SCREW
(UPPER).

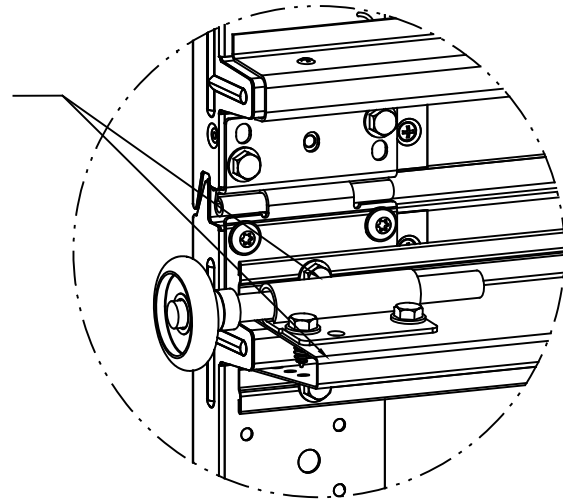


LOW HEADROOM TRACK
DETAIL A

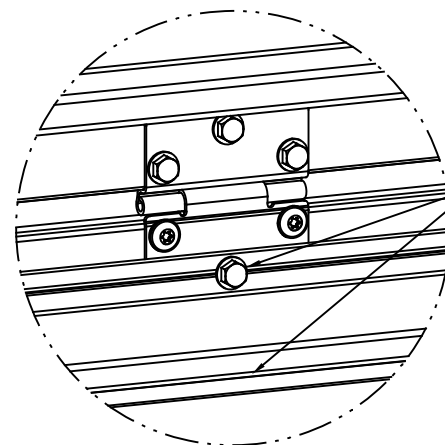
SECURE THRU ROLLER SLIDES
& STRUT FLANGE INTO END
CAP & TOP RAIL WITH (2)
CRIMPTITE SCREWS.

(6) SECTION DOORS:
(7) 3"x18 GA 80 KSI U-BARS
(5) J-STRUT, 18 GA

3" 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.



DETAIL B

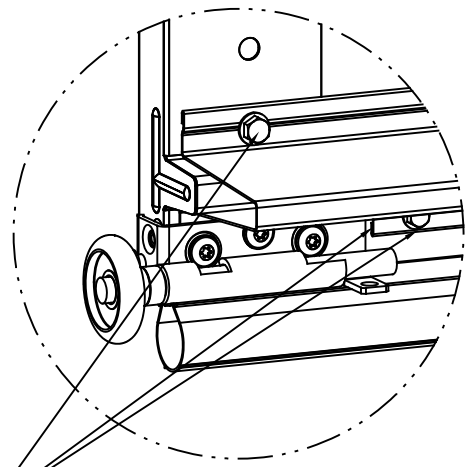


DETAIL C

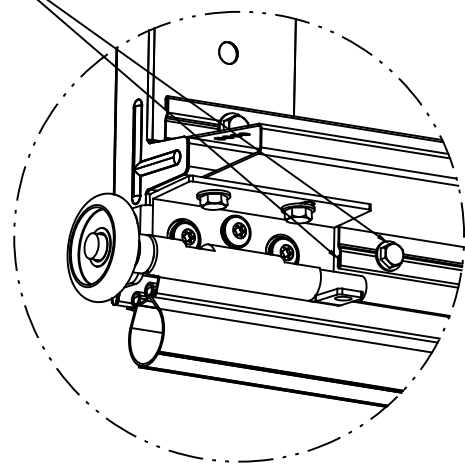
3" STRUT OVER RIB - BETWEEN ENDS:
CENTER HINGE: SECURE WITH (2) CRIMPTITE
SCREWS IN STRUT FLANGES AT EACH CENTER
HINGE
BETWEEN END & FIRST CENTER HINGE, BOTH ENDS:
SECURE WITH (2) CRIMPTITE SCREWS, UPPER &
LOWER LEGS

(4) SECTION DOORS:
(5) 3"x18 GA 80 KSI U-BARS
(3) J-STRUT, 18 GA

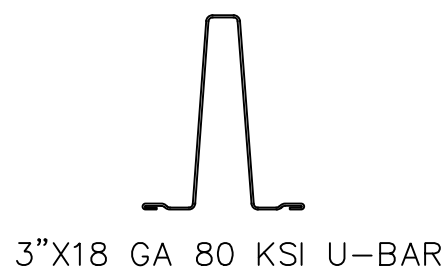
3" STRUT OVER RIB BOTTOM BRACKETS:
ENDS: NOTCH STRUT TO CLEAR BOTTOM
BRACKET SECURE WITH (2) CRIMPTITE
SCREWS IN STRUT FLANGES.



DETAIL D



DETAIL D
IMPACT BOTTOM BRACKET

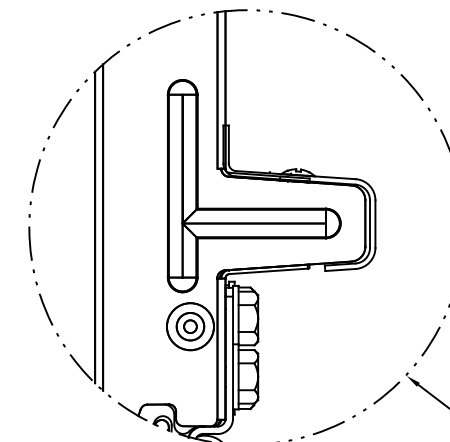


3"x18 GA 80 KSI U-BAR



J-STRUT, 18 GA 33 KSI

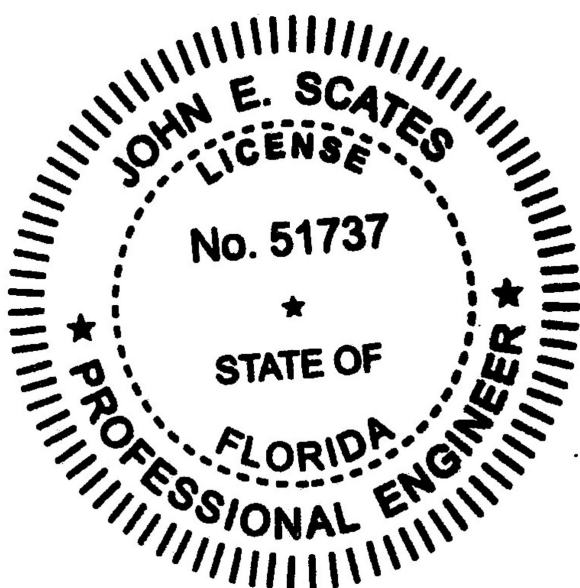
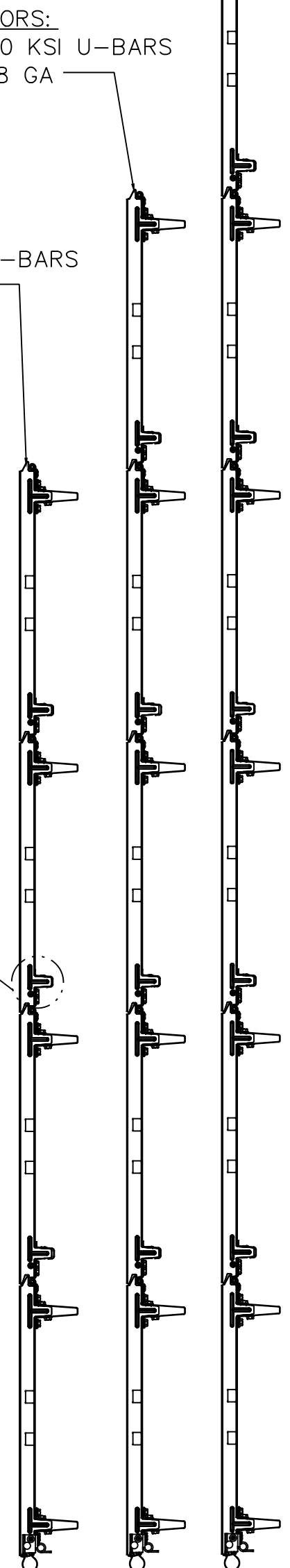
STRUTS & J-STRUTS
INSTALLED OVER INTEGRAL
RIBS



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

FASTENER NOTES:

- STRUT SCREW TOTALS:
3" STRUT - TOP SECTION (SL) = 20
3" STRUT - TOP SECTION (LHR) = 22
3" STRUT - INT SECTIONS = 20
3" STRUT - LOK SECTION = 20
3" STRUT - BOT SECTION (UPPER) = 18
3" STRUT - BOT SECTION (LOWER) = 18
J-STRUT W/ OP STILE = 2 + 1/STILE
- FOR DW <= 12', USE 4 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.



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):	+25.00/-28.20	MAX WIDTH:	16'-0"	DATE		NAME	
TEST (PSF):	+37.50/-42.30	MAX HEIGHT:	12'-0"	DRAWN	1/27/20	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 0651				DRAWING PART NO. 411637		REV. A	