

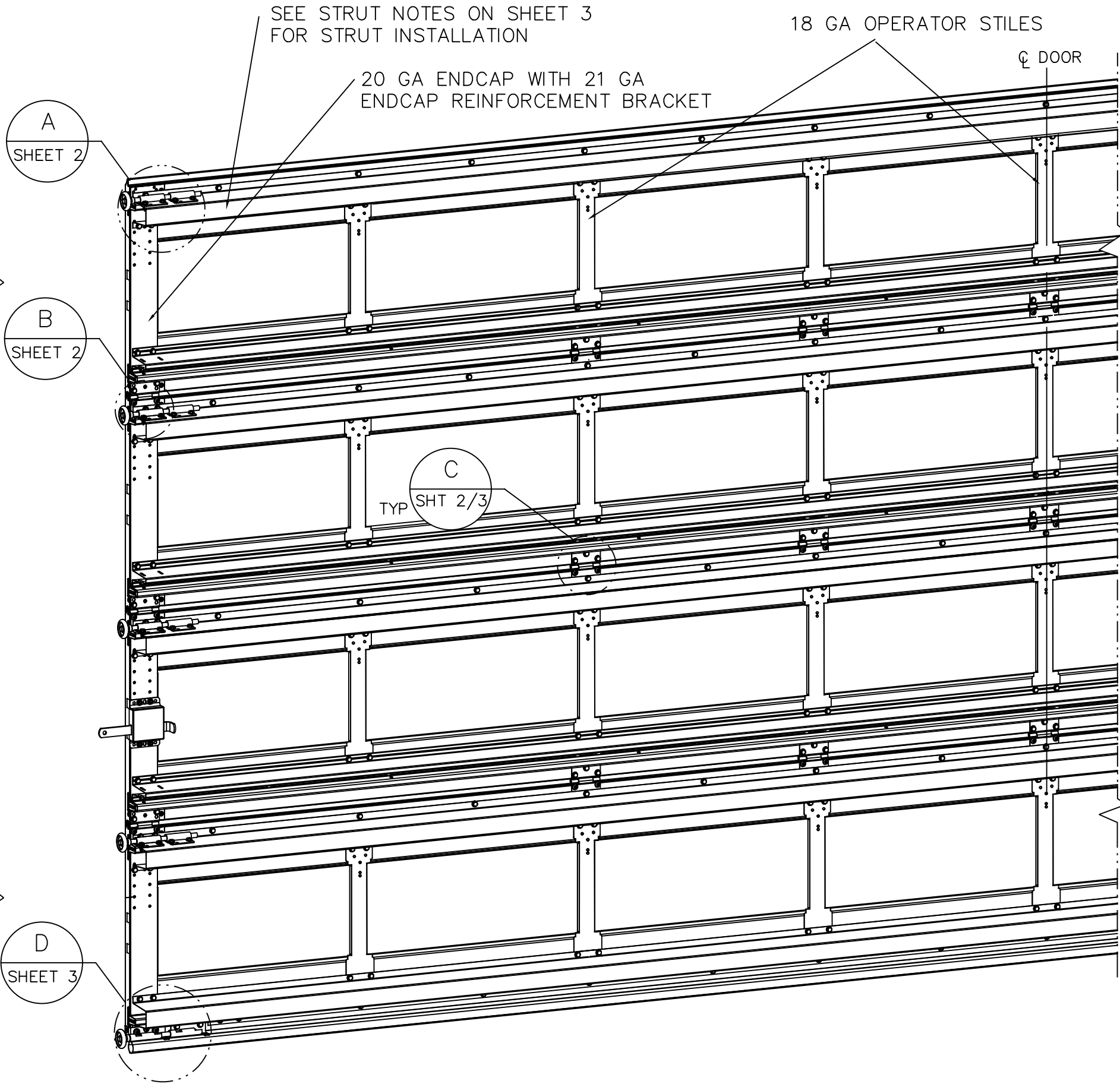
NOTES:

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.
 - GLAZED SECTION ALLOWED IN TOP SECTION.
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 – .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 ENDCAP 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)
- 13 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, ONE EACH END (NOT REQUIRED WITH OPERATOR – SEE NOTE 4). SLIDE LOCK SHOWN FOR CLARITY



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.

REVISIONS

REV --: INITIAL
RELEASE; BL
8AUG20

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	9	FAT	2", 10", 16", 21-3/4", 29-3/4", 42", 48", 55", 63-1/4"
8'-0"	4 OR 5	11	FAT	2", 10", 16", 21-3/4", 29-3/4", 40", 48", 57-1/4", 66", 71", 75-1/2"
> 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.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

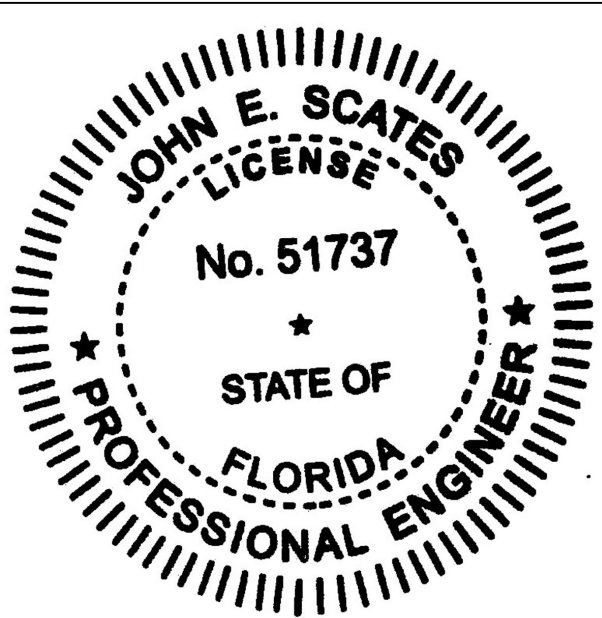
MAX DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF) +41.3/-46.7
18'-0"	ALL	+372/-420
17'-0"	ALL	+351/-397

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.

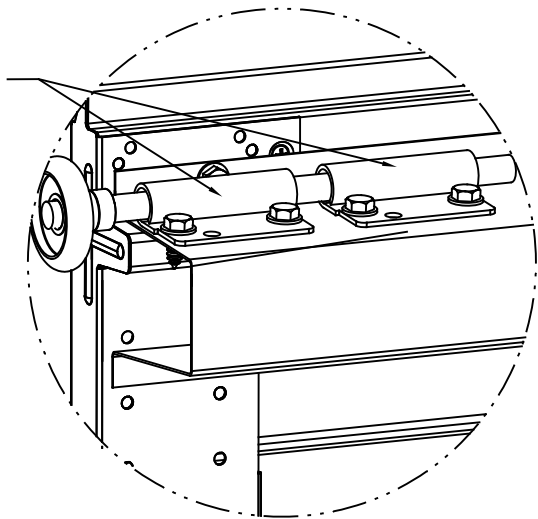
Digitally signed by John E. Scates P.E.
Date: 2020.08.10 17:43:13 -05'00'

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

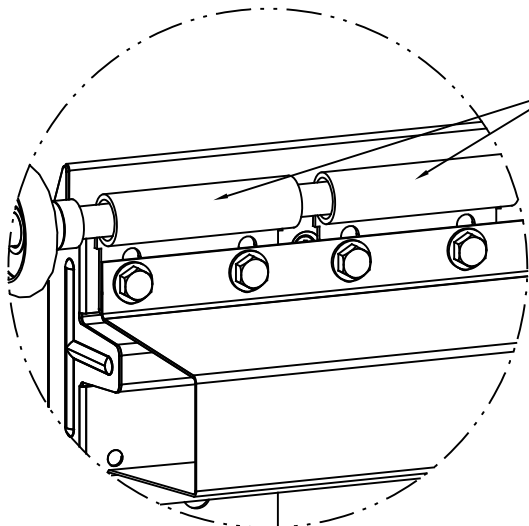
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DESIGN (PSF):	+41.30/-46.70	MAX WIDTH:	18'-0"	DATE		NAME	
TEST (PSF):	+62.00/-70.10	MAX HEIGHT:	12'-0"	DRAWN	4/1/20	SW	
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 24"		CHECKED			
MODELS 5120/9100/9405/9605/TS100/TS120				SHEET 1 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 0659				DRAWING PART NO.		REV.	
				411645		—	



(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

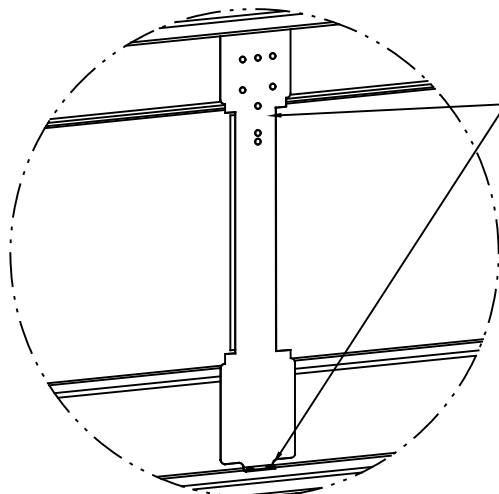


DETAIL A



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

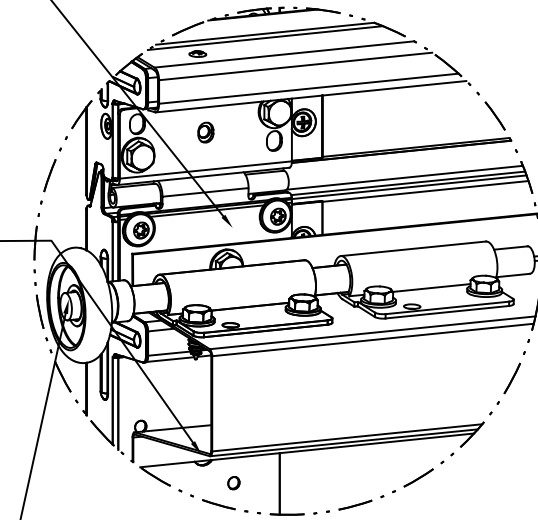
OPERATOR STILES ATTACHMENT:
OPERATOR STILES ARE PLACED EQUIDISTANT ON
SECTION BACK TYPICALLY ALIGNED WITH CENTER
HINGES, "CENTER STILE" FEATURES ON DOOR
FRONT, AND/OR BETWEEN LITE FRAMES.

OPERATOR STILES ARE TYPICALLY PREINSTALLED
AT FACTORY SECURED WITH (4) #8 PIERCING
SCREWS INTO INTEGRAL RIBS, (2) AT EACH END.

IF STILES ARE NOT FACTORY INSTALLED, SEE
SHEET 3 FOR ATTACHING STRUTS OVER
OPERATOR STILES.

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

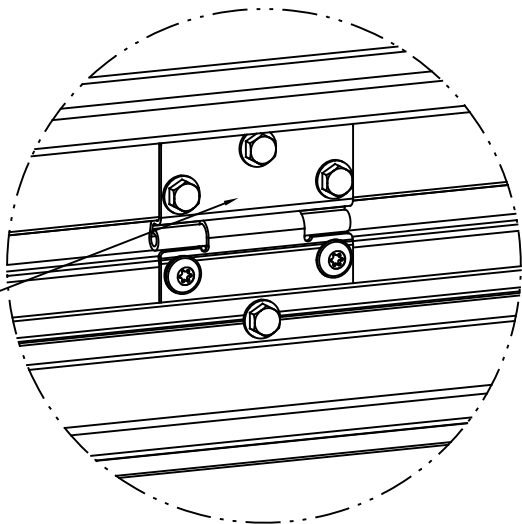
(2) 13 GA ROLLER SLIDES
ALIGNED & ATTACHED ON TOP
OF STRUT WITH (4) CRIMPTITE
SCREWS. OUTSIDE SLIDE
REQUIRES WELDED "TUBE"
CLOSED. SLIDES MUST BE NO
GREATER THAN 1/4" APART.
ROLLER MUST MOVE FREELY.



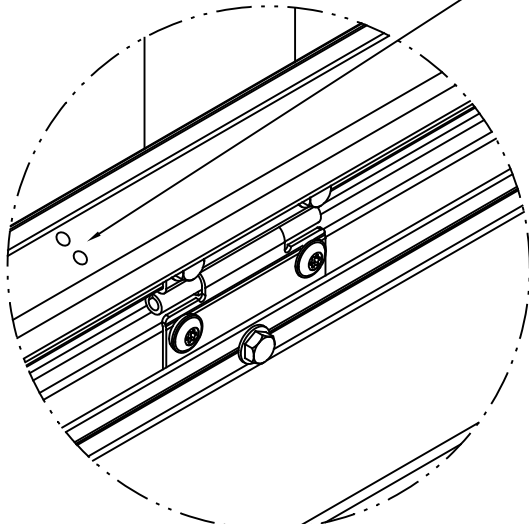
DETAIL B

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

15 GA CENTER HINGE
SECURED WITH (6)
CRIMPTITE SCREWS
(2 SCREWS FACTORY
INSTALLED)



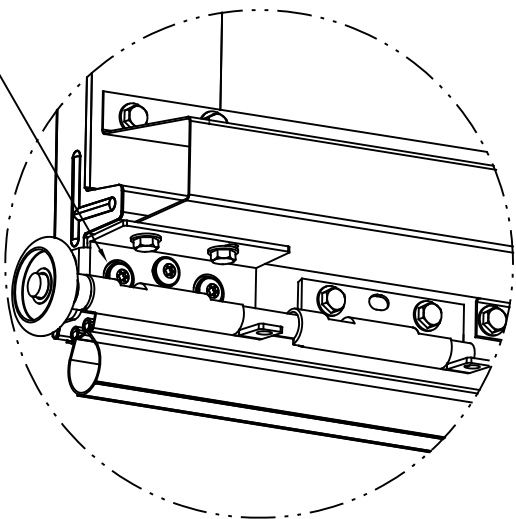
DETAIL C



J-STRUT ATTACHMENT

J-STRUT OVER RIB
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)

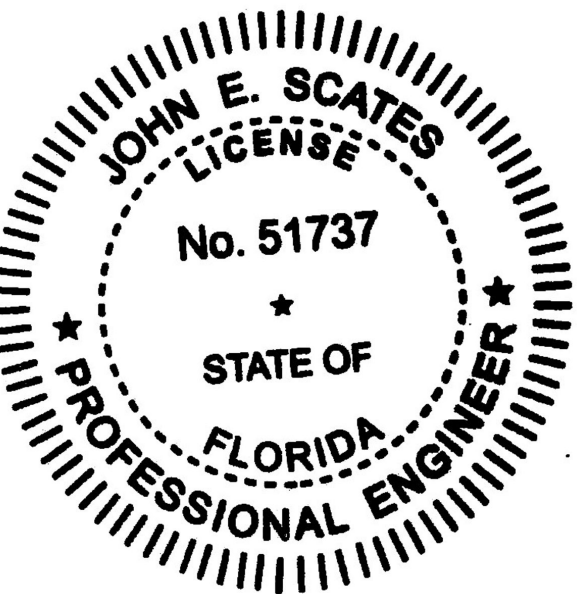
STATIC & IMPACT BOTTOM BRACKETS:
12 GA IMPACT BOTTOM BRACKET
FACTORY ATTACHED (3) CRIMPTITE
SCREWS TOTAL. SECURE BB FLANGE TO
STRUT WITH (2) CRIMPTITE SCREWS.



STATIC & IMPACT BOTTOM BRACKET
DETAIL D

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.

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	7	3	4	5	7	3	8	4	5	7	3	4	5	7	3
18'0"	8	5	7	3	4	5	7	3	8	4	5	7	3	4	5	7	3

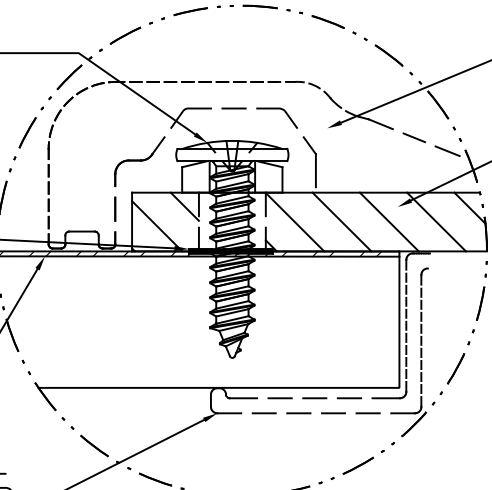


#8x3/4" MIN STAINLESS
SCREWS WITH STAINLESS
BACKED RUBBER
WASHERS 3-1/2" O.C.
MAX

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

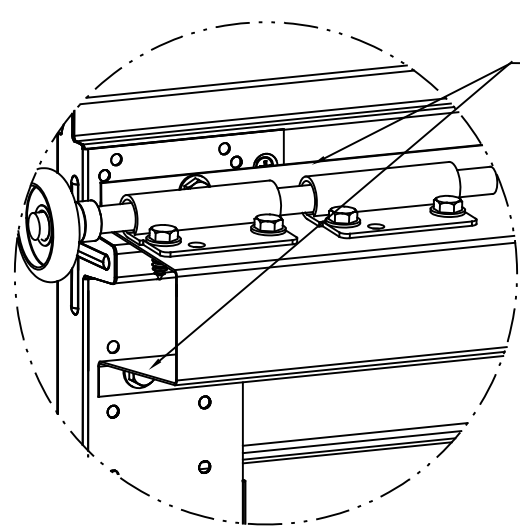
DETAIL E

WayneDalton

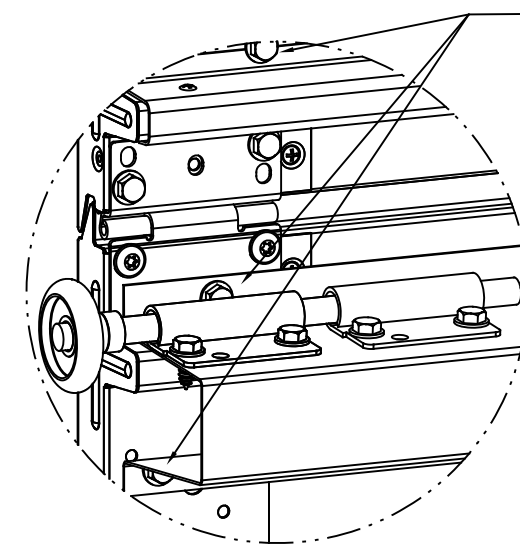
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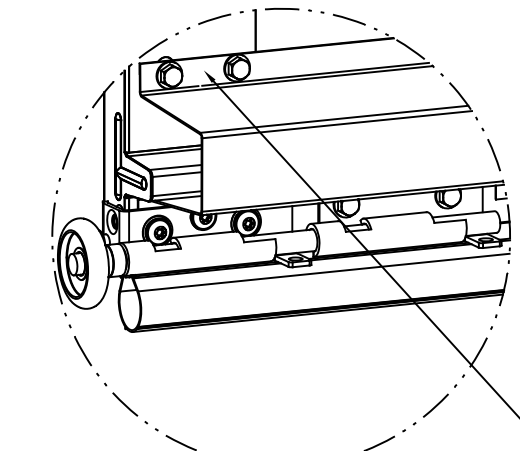
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TEST (PSF):		+62.00/-70.10		MAX HEIGHT:		12'-0"	
IMPACT/CYCLIC RATED (YES/NO):		YES		MAX SECTION HEIGHT: 24"			
MODELS 5120/9100/9405/9605/TS100/TS120						SHEET 2 OF 3	
WINDLOAD SPECIFICATION OPTION CODE 0659						DRAWING PART NO. 411645	
						REV. -	



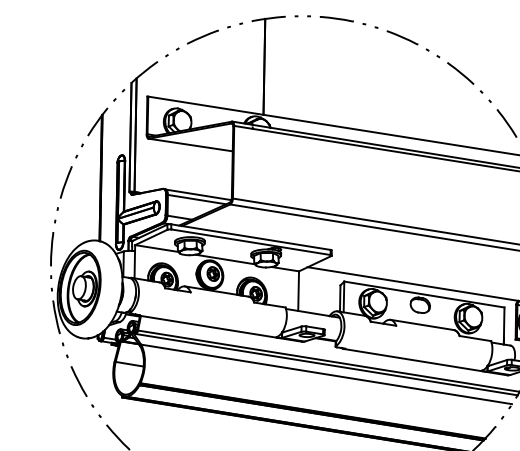
DETAIL A



DETAIL B

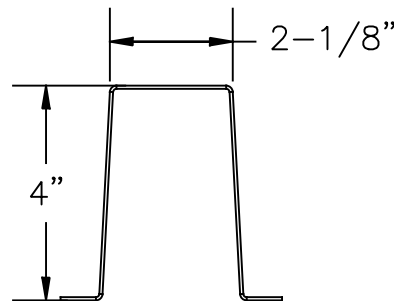
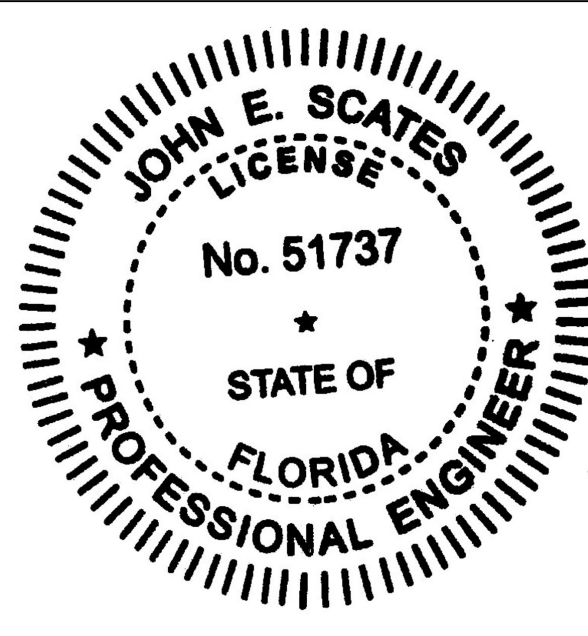


DETAIL C

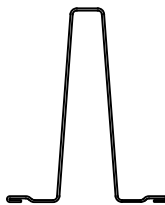


DETAIL D

IMPACT BOTTOM BRACKET



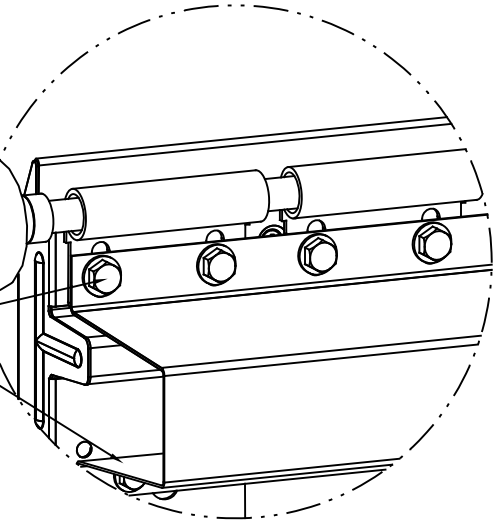
4"X16 GA 80 KSI STRUT



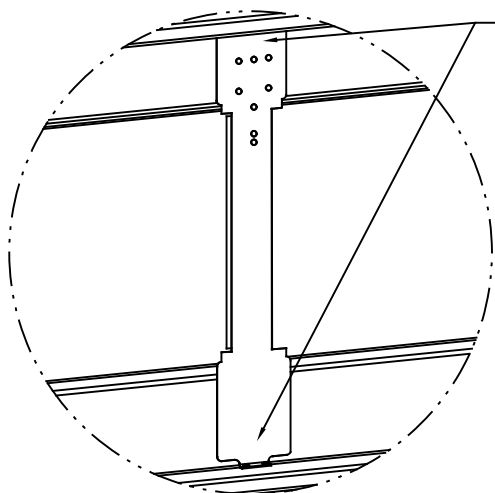
3"X18 GA 80 KSI U-BAR



J-STRUT, 18 GA 33 KSI



LOW HEADROOM TRACK
DETAIL A



OPERATOR STILE
ATTACHMENT

STRUTS INSTALLED OVER OPERATOR STILES:

UNDER 4" STRUTS AT INTEGRAL RIB:
SECURE OPERATOR STILE END WITH (2) #8 PIERCING SCREWS (FACTORY INSTALLED) OR (2) CRIMPTITE SCREWS INTO FLANGE AT BASE OF INTEGRAL RIB (BEHIND PAPER BACKER).

UNDER 4" STRUT FLANGES:
SECURE STRUT FLANGE INTO OPERATOR STILER STILE WITH (2) CRIMPTITE SCREWS.

UNDER 3" UBAR & J-STRUT FLANGES:
SECURE STRUT FLANGES THRU OPERATOR STILE WITH (2) CRIMPTITE SCREWS INTO FLANGE AT BASE OF INTEGRAL RIB. (REMOVING #8 PIERCING SCREWS PREINSTALLED AT FACTORY NOT REQUIRED)

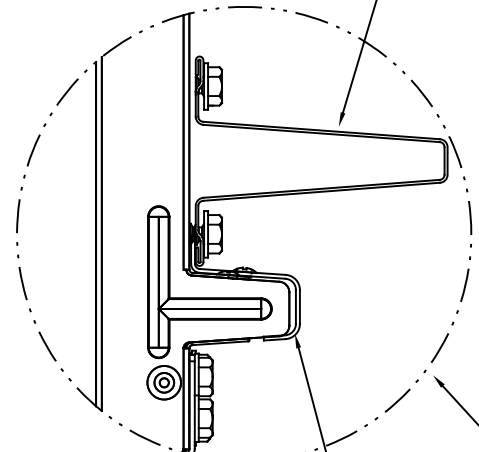
- (6) SECTION DOORS:
(7) 4"X16 GA STRUT
(5) J-STRUT, 18 GA
(5) 3"X18 GA 80KSI U-BAR
(5) J-STRUT, 18GA

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

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

STRUTS & J-STRUTS
INSTALLED OVER INTEGRAL
RIBS - DETAIL VIEW SHOWN
OF SECTIONS #2 & ABOVE.

3" U-BAR



J-STRUT

FASTENER NOTES:

1. STRUT SCREW TOTALS
- | | 3" U-BAR | 4" STRUT |
|--|----------|----------|
| TOP SECT: SOLID & SHORT LITE (7 STILE/SL) | = 33 | 35 |
| TOP SECT: SOLID & SHORT LITE (7 STILE/LHR) | = 33 | 39 |
| TOP SECT: DOUBLE/RANCH LITE (3 STILE/SL) | = 25 | 27 |
| TOP SECT: DOUBLE/RANCH LITE (3 STILE/LHR) | = 25 | 31 |
| INT SECTION | = 33 | 35 |
| LOK SECTION | = 33 | 35 |
| BOT SECTION (UPPER) | = - | 35 |
| BOT SECTION (LOWER) | = - | 35 |
| J-STRUT USES SCREWS FROM 3" U-BAR | | |
2. "CRIMPTITE SCREW" = SCREW, 1/4-14 X 7/8" SELF-DRILLING, CRIMPTITE
3. 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			
MODELS 5120/9100/9405/9605/TS100/TS120				SHEET 3 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 0659				DRAWING PART NO.		REV.	
				411645		—	