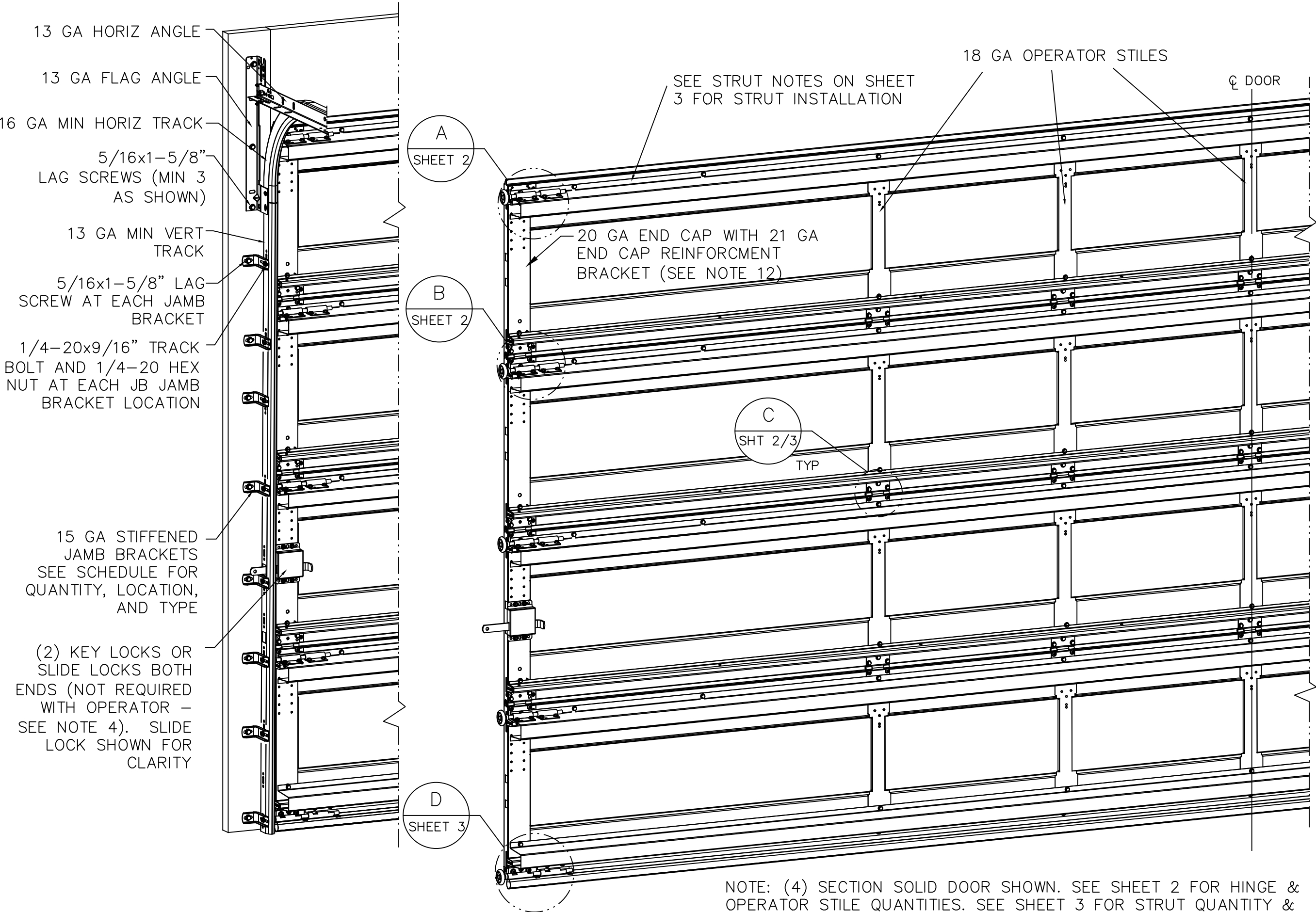


- NOTES:
- IMPACT RESISTANT GLAZED LITE OPTIONS:
    - .250 THK MAKROLON AR POLYCARBONATE OR EQUIVALENT.
    - CLEAR OPENING SIZE:  
MAX WD=40.63; MAX HT=13.25
    - DETAIL "E" ON SHEET 2 FOR ASSY DETAILS.
    - OUTSIDE & INSIDE FRAMES ARE DECORATIVE ONLY.
    - DECORATIVE TRIM INSERTS ALLOWED.
    - GLAZING SECTION ALLOWED IN TOP SECTION ONLY.
  - 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.



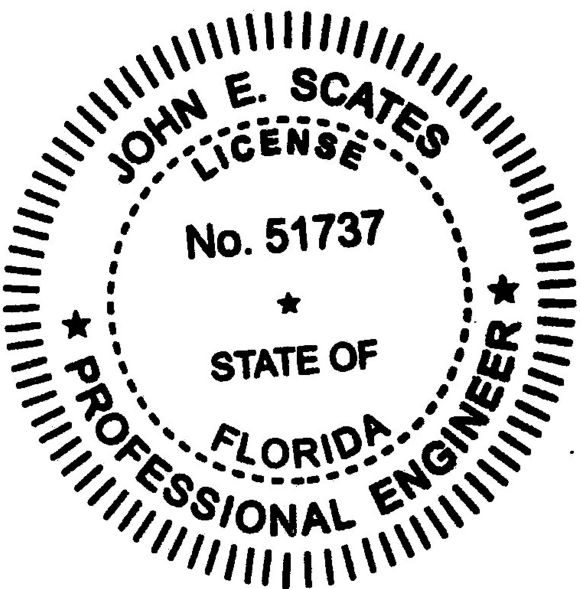
REVISIONS

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

| 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) +41.3/-46.7 |
|----------------|-------------|------------------------------------------|
| 16'-0"         | ALL         | +330.4/-373.6                            |
| 14'-0"         | ALL         | +289.1/-326.9                            |
| 12'-0"         | ALL         | +247.8/-280.2                            |
| 10'-0"         | ALL         | +206.5/-233.5                            |

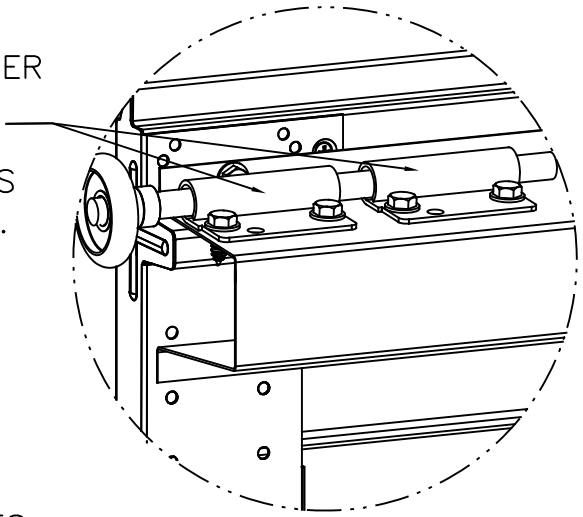
JOHN E. SCATES, PE  
2560 KING ARTHUR BLVD #124  
LEWISVILLE, TX 75056  
FL PE 51737  
TX PE 56308 / F2203  
PROFESSIONAL ENGINEER SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.

Digitally signed by John E. Scates P.E.  
Date: 2020.08.10 17:58:36 -05'00'



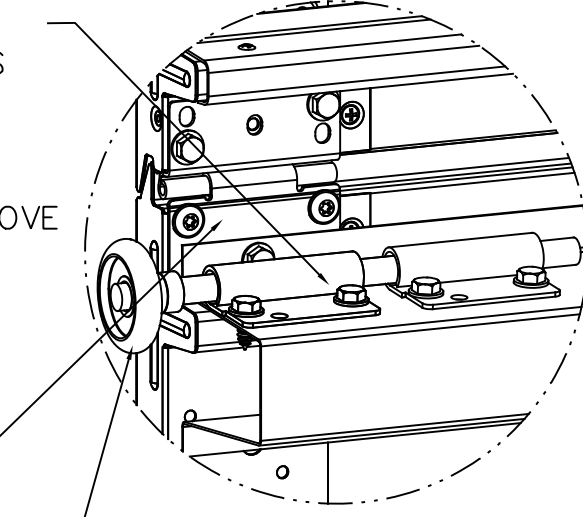
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|-----------------------------------------|---------------|-------------------------|--------|------------------|---------|---------|--|
| STATIC PRESSURE RATINGS                 |               | APPROVED SIZES          |        | SCALE: N.T.S.    |         | SIZE: C |  |
| DESIGN (PSF):                           | +41.30/-46.70 | MAX WIDTH:              | 16'-0" | DATE             |         | NAME    |  |
| TEST (PSF):                             | +62.00/-70.10 | 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 0654 |               |                         |        | DRAWING PART NO. |         | REV.    |  |
|                                         |               |                         |        | 411640           |         | A       |  |

(2) 13 GA ADJ. 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

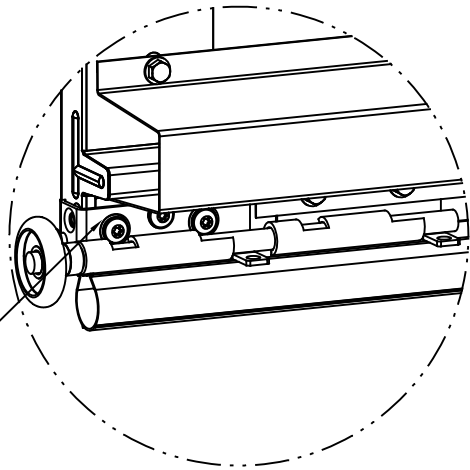
(2) 13 GA ROLLER SLIDES  
ALIGNED & ATTACHED ON  
TOP OF STRUT WITH (4)  
CRIMPTITE SCREWS.  
OUTSIDE SLIDE REQUIRES  
WELDED "TUBE" CLOSED.  
SLIDES MUST BE NO  
GREATER THAN 1/4"  
APART. ROLLER MUST MOVE  
FREELY.



DETAIL B

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

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



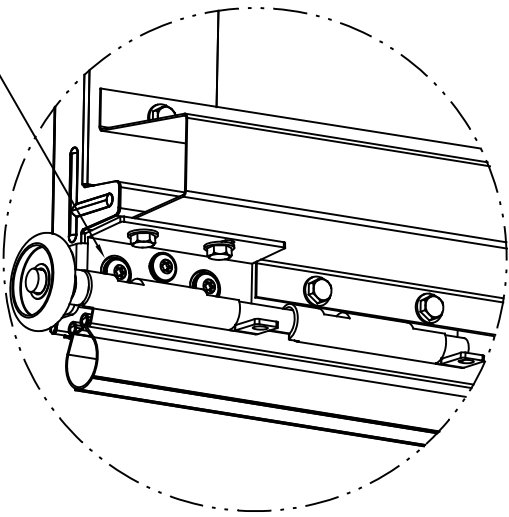
BOTTOM BRACKETS:

NON-IMPACT:  
12 GA STANDARD BOTTOM BRACKET  
FACTORY ATTACHED WITH (3) CRIMPTITE  
SCREWS TOTAL

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

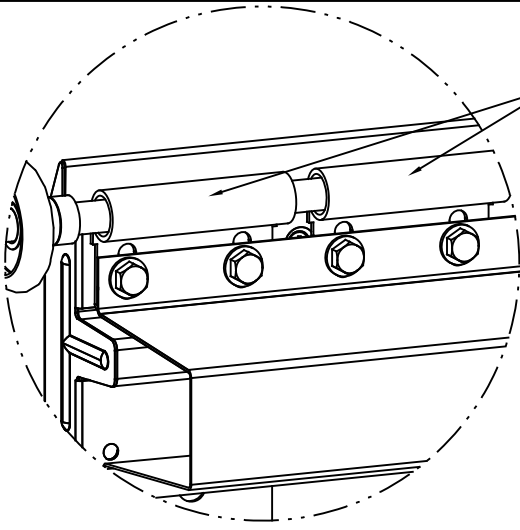
BOTH:  
PLACE 12 GA CUT-DOWN BOTTOM  
BRACKET (STD BB W/ MILFORD PIN  
FLANGE REMOVED) ADJACENT TO  
FACTOR INSTALLED BRACKET UNDER  
STRUT. SECURE WITH (2) CRIMPTITE  
SCREWS. SLIDES MUST BE NO GREATER  
THAN 1/4" APART. ROLLER MUST MOVE  
FREELY.

NON-IMPACT BOTTOM BRACKET



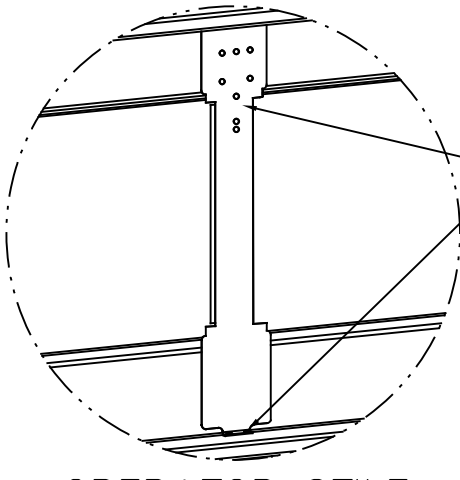
IMPACT BOTTOM BRACKET

DETAIL D



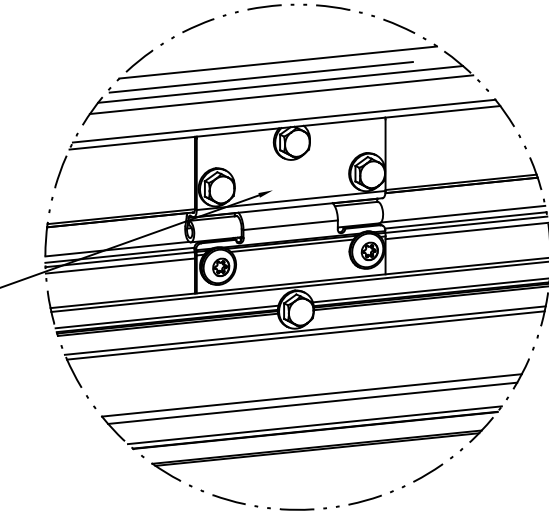
LOW HEADROOM TRACK  
DETAIL A

(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.



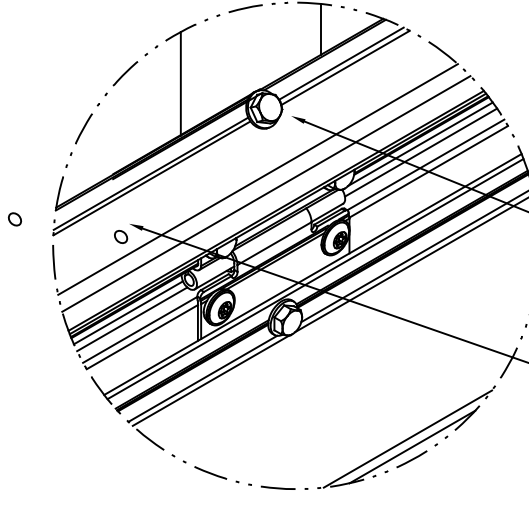
OPERATOR STILE  
ATTACHMENT

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



DETAIL C

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

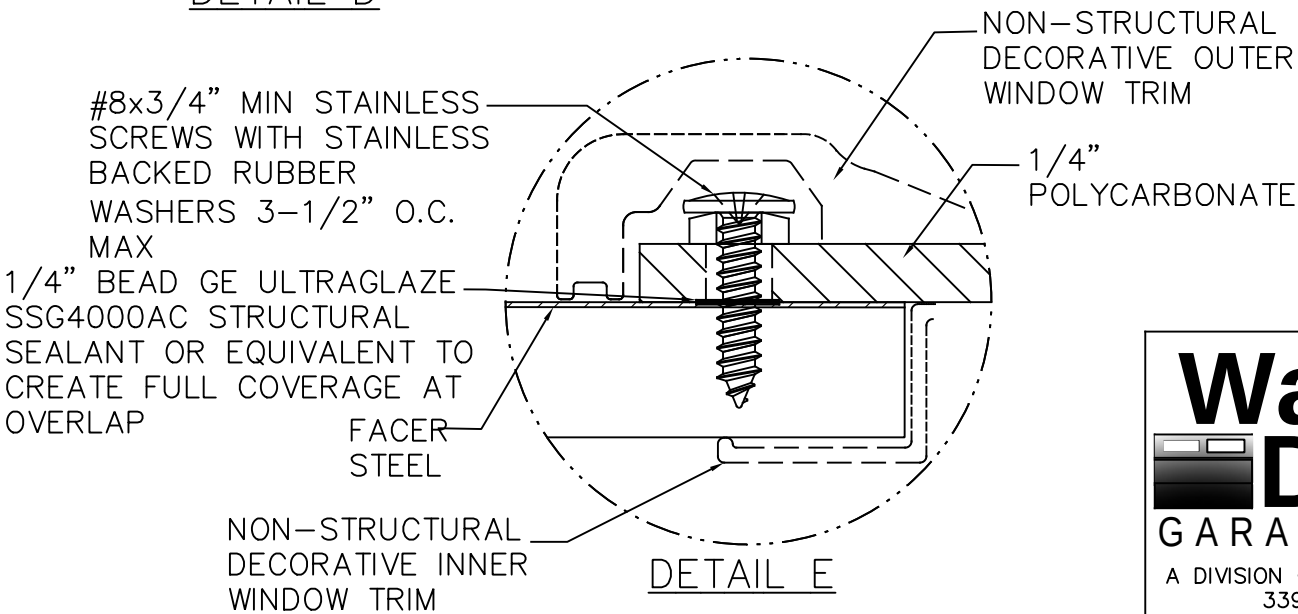


J-STRUT ATTACHMENT

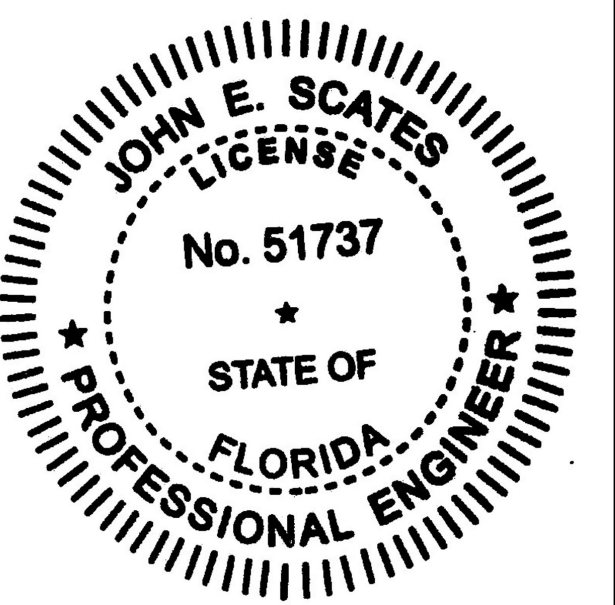
J-STRUT OVER RIB:  
ENDS: PRIOR TO ASSEMBLY OF J-STRUT, INSTALL  
REINFORCED ENDCAP BRACKET - SEE NOTE 12, SHT 1.  
THEN SECURE WITH (1) CRIMPTITE SCREW THRU J-STRUT  
FLANGE LEG INTO ENDCAP EACH END.  
OPERATOR STILE:  
SECURE WITH (1) CRIMPTITE SCREW THROUGH J-STRUT  
FLANGE INTO OPERATOR STILE  
LENGTH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

SECTION QUANTITIES

| Door<br>Width | CRP/FLUSH                 |            |                        |                         | RANCH                    |            |                        |                         | SONOMA                    |               |            |                        |                         | SONOMA RANCH             |            |                        |                         |
|---------------|---------------------------|------------|------------------------|-------------------------|--------------------------|------------|------------------------|-------------------------|---------------------------|---------------|------------|------------------------|-------------------------|--------------------------|------------|------------------------|-------------------------|
|               | STAMPS<br>/SHORT<br>LITES | CTR<br>HNG | OP<br>STILES:<br>SOLID | OP<br>STILES:<br>GLAZED | STAMPS<br>/LONG<br>LITES | CTR<br>HNG | OP<br>STILES:<br>SOLID | OP<br>STILES:<br>GLAZED | STAMPS<br>/SHORT<br>LITES | LONG<br>LITES | CTR<br>HNG | OP<br>STILES:<br>SOLID | OP<br>STILES:<br>GLAZED | STAMPS<br>/LONG<br>LITES | CTR<br>HNG | OP<br>STILES:<br>SOLID | OP<br>STILES:<br>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

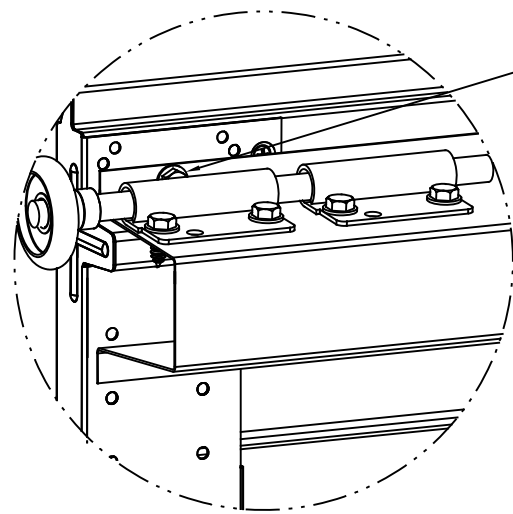


WayneDalton

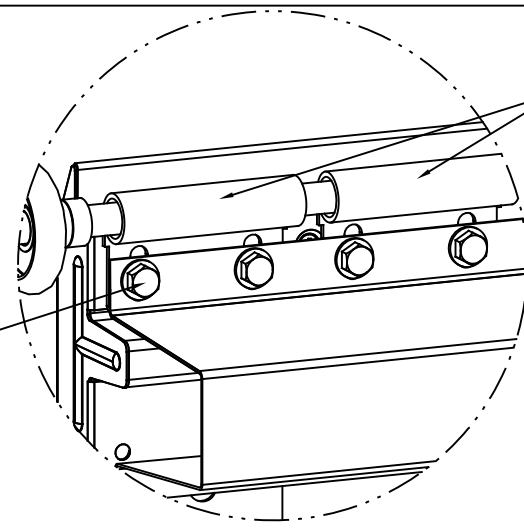
GARAGE DOORS

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

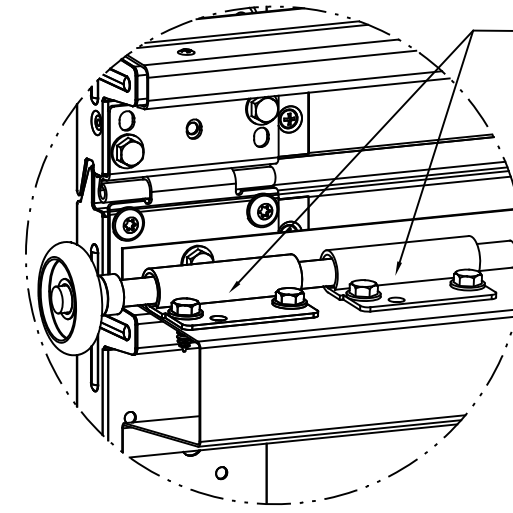
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| STATIC PRESSURE RATINGS                 |               | APPROVED SIZES          |        | SCALE: N.T.S.    |         | SIZE: C |  |
| DESIGN (PSF):                           | +41.30/-46.70 | MAX WIDTH:              | 16'-0" | DATE             |         | NAME    |  |
| TEST (PSF):                             | +62.00/-70.10 | 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 0654 |               |                         |        | DRAWING PART NO. |         | REV.    |  |
|                                         |               |                         |        | 411640           |         | A       |  |



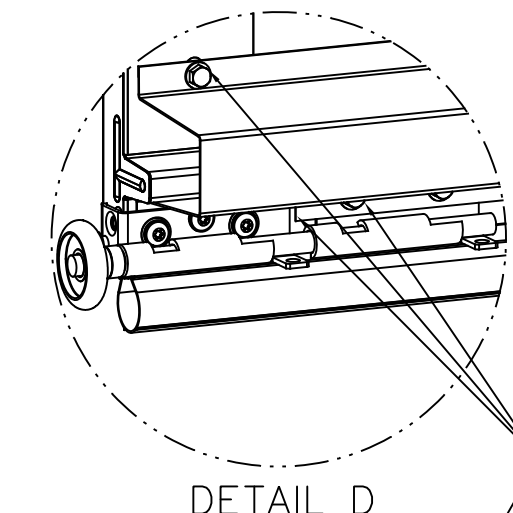
DETAIL A



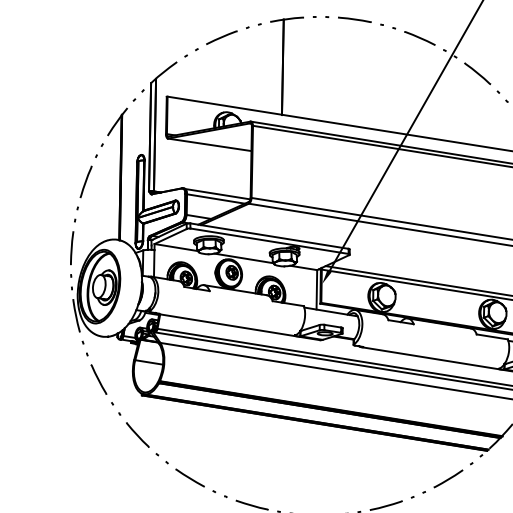
LOW HEADROOM TRACK  
DETAIL A



DETAIL B



DETAIL D



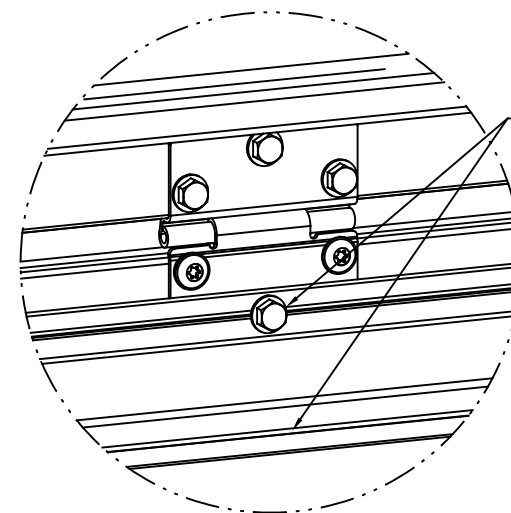
DETAIL D

IMPACT BOTTOM BRACKET

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 BRKT)  
8" APPX. FROM ENDS: SECURE STRUTS USING (1) CRIMPTITE SCREW, UPPER LEG. (NOT REQUIRED WITH LHR ROLLER SLIDES)

4" STRUT OVER RIB, JOINTS:  
ENDS: PRIOR TO ASSEMBLY OF J-STRUT, INSTALL REINFORCED ENDCAP BRACKET – SEE NOTE 12, SHT 1. THEN 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).

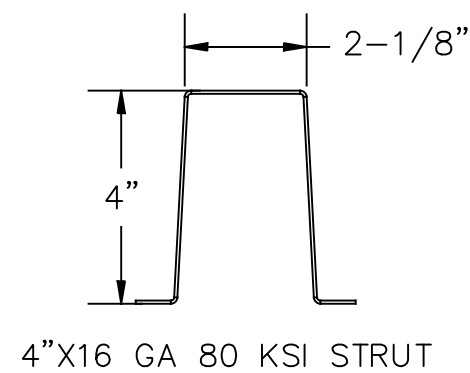
4" STRUT OVER RIB, BOTTOM BRACKETS:  
ENDS: NOTCH STRUT TO CLEAR BOTTOM BRACKET. PRIOR TO ASSEMBLY OF J-STRUT, INSTALL REINFORCED ENDCAP BRACKET – SEE NOTE 12, SHT 1. THEN SECURE WITH (2) CRIMPTITE SCREWS IN STRUT FLANGES.



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 END & FIRST CENTER HINGE, BOTH ENDS:  
SECURE WITH (1) CRIMPTITE SCREW ON LOWER STRUT LEG.  
BETWEEN CENTER HINGES:  
ADD (1) CRIMPTITE SCREW ON LOWER STRUT FLANGE MIDWAY BETWEEN EACH CENTER HINGE.

STRUTS ON UPPER RAILS OF BOT, INT & TOP SECTIONS:  
BETWEEN END & FIRST CENTER HINGE, BOTH ENDS:  
SECURE WITH (1) CRIMPTITE SCREW ON UPPER STRUT LEG.  
BETWEEN CENTER HINGES:  
ADD (1) CRIMPTITE SCREW ON UPPER STRUT FLANGE MIDWAY BETWEEN EACH CENTER HINGE.



4"X16 GA 80 KSI STRUT



J-STRUT, 18 GA 33 KSI

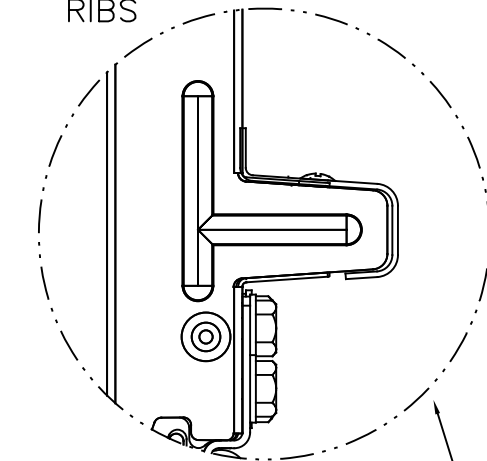
SECURE THRU ROLLER SLIDES INTO END CAP & TOP RAIL WITH (4) CRIMPTITE SCREWS. OUTSIDE SLIDE REQUIRES WELDED "TUBE" CLOSED. SLIDES MUST BE NO GREATER THAN 1/4" APART. ROLLER MUST MOVE FREELY.

(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

(4) SECTION DOORS:  
(5) 4"X16 GA STRUT  
(3) J-STRUT, 18 GA

STRUTS & J-STRUTS  
INSTALLED OVER INTEGRAL  
RIBS

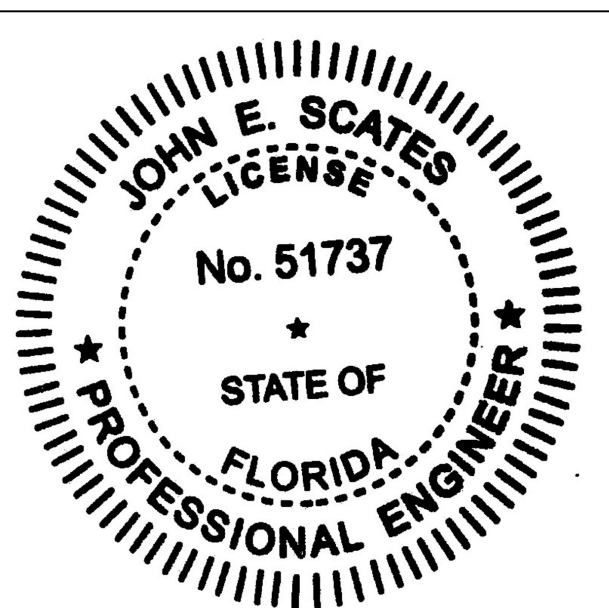


ALL INTEGRAL RIBS WITH  
NO 3" OR 4" STRUTS  
MUST HAVE A J-STRUT

FASTENER NOTES:

- STRUT SCREW TOTALS (DW>12'): 

|                           | 3" U-BAR | 4" STRUT    |
|---------------------------|----------|-------------|
| TOP SECTION STRUT (SL)    | =        | 22          |
| TOP SECTION STRUT (LHR)   | =        | 26          |
| INT SECTION STRUT         | =        | 22          |
| LOK SECTION STRUT         | =        | 22          |
| BOT SECTION STRUT (UPPER) | =        | 22          |
| BOT SECTION STRUT (LOWER) | =        | 22          |
| 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.



|                                                                                                                                                                                                                                                             |                                        |  |                         |  |                            |              |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|-------------------------|--|----------------------------|--------------|-----------|
| <div><div>Wayne Dalton™<br/>GARAGE DOORS</div><div>A DIVISION OF OVERHEAD DOOR CORP<br/>3395 ADDISON DRIVE<br/>PENSACOLA, FLORIDA 32514<br/>(850) 474-9890</div></div> | STATIC PRESSURE RATINGS                |  | APPROVED SIZES          |  | SCALE: N.T.S.              |              | SIZE: C   |
|                                                                                                                                                                                                                                                             | DESIGN (PSF): +41.30/-46.70            |  | MAX WIDTH: 16'-0"       |  | DATE                       |              | NAME      |
|                                                                                                                                                                                                                                                             | TEST (PSF): +62.00/-70.10              |  | 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 0654                                                                                                                                                                                                                     |                                        |  |                         |  | DRAWING PART NO.<br>411640 |              | REV.<br>A |