

NOTES:

1. IMPACT RESISTANT GLAZING OPTION (SEE PAGE 3) - 1/4" IMPACT RESISTANT POLYCARBONATE IN ALUMINUM FRAMES SCREWED TOGETHER WITH DIMENSIONS SHOWN IN TABLE, INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERT) MEETS UNIFORM STATIC WIND PRESSURES SHOWN ON THIS DRAWING. GLAZING IS IMPACT RESISTANT AND MEETS THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS.

2. NON-IMPACT RESISTANT GLAZING OPTION (SEE PAGE 3) - .090" MINIMUM SSB ANNEALED GLAZING IN MOLDED FRAMES SCREWED TOGETHER WITH DIMENSIONS SHOWN IN TABLE, INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS) MEETS UNIFORM STATIC WIND PRESSURES SHOWN ON THIS DRAWING. GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS.

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 LOCK, OR OPERATOR REQUIRED.

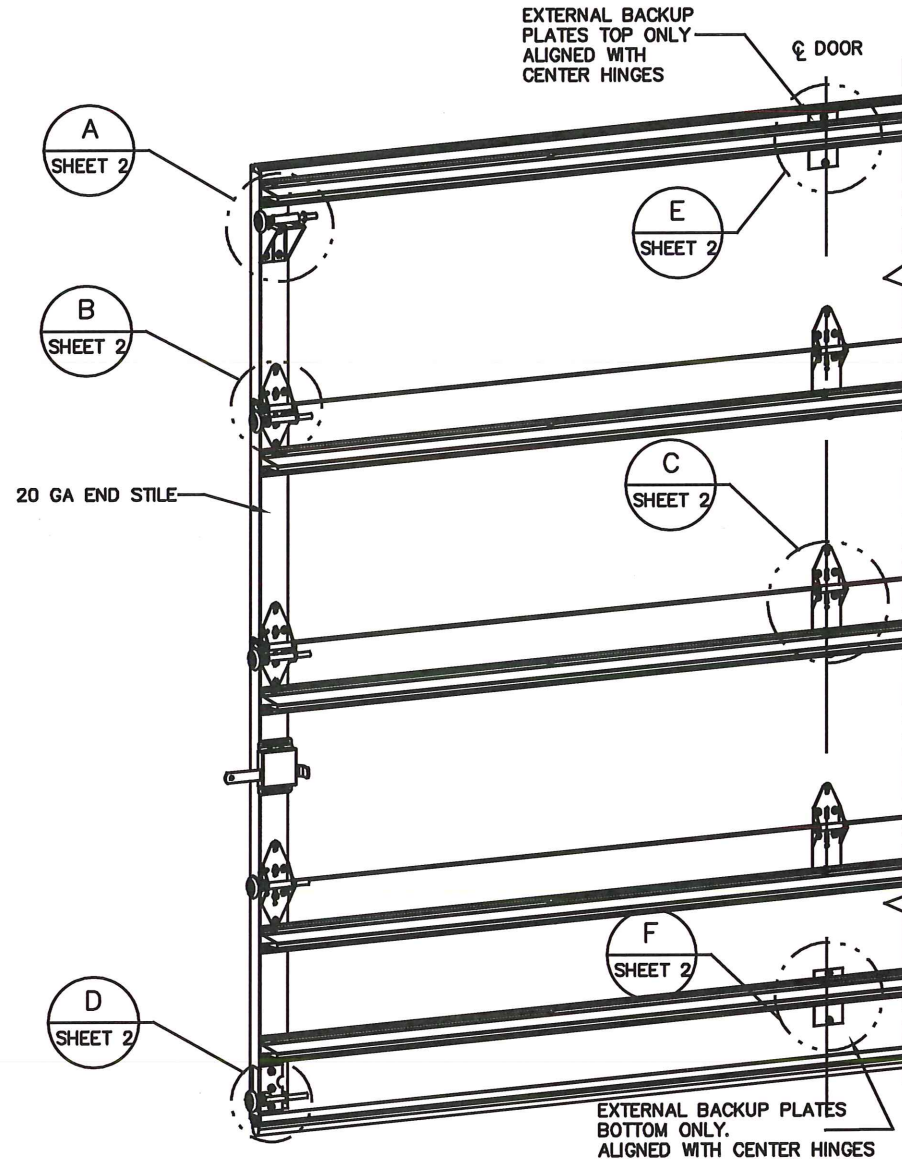
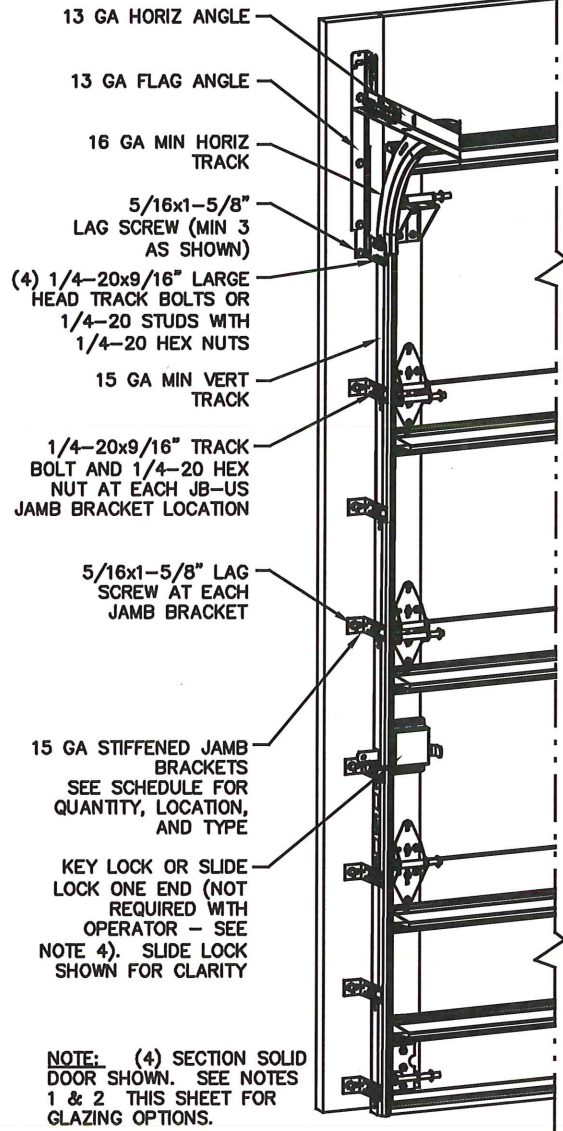
5. FACER STEEL TO HAVE A MINIMUM 29 GA THICKNESS AND BACKER STEEL TO HAVE A MINIMUM 29 GA THICKNESS.

6. EACH SECTION HAS AN INTERNAL 1" WIDE X 20 GA CONTINUOUS STEEL STRIP AT THE TOP AND BOTTOM OF THE SECTION.

7. 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.

8. DOOR JAMB TO BE MINIMUM 2x6 STRUCTURAL GRADE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.

9. FOR LOW HEAD ROOM LIFT CONDITIONS, TOP BRACKET SHALL BE A 13 GA LHR 7/4 TOP BRACKET WITH A MINIMUM OF (3) 1/4-20x3/4" SELF DRILLING CRIMPITITE SCREWS IN LIEU OF THE BRACKET SHOWN ON THIS DRAWING. U-BAR ON TOP SECTION SHALL BE INSTALLED ON TOP OF LHR TOP BRACKETS.



REVISIONS

P1 REVISED MODELS PER WLO08
SW 9/14/2020
REV A - UPDATED DRAWING TO SHOW GLAZING CROSS-SECTION
TLC 3/30/21

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

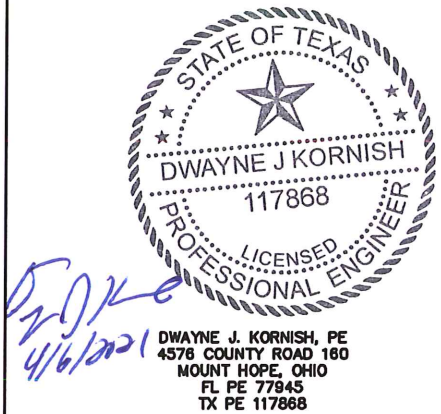
| DOOR WIDTH | DOOR HEIGHT | UNIFORM LOAD EACH JAMB (PLF) |
|------------|-------------|------------------------------|
| 8'-2" | ALL | +145.8/-167.4 |
| 9'-2" | ALL | +163.6/-187.9 |

JAMB BRACKET SCHEDULE

| DOOR HEIGHT | NO. OF SECTIONS | NO. OF JAMB BRACKETS (EACH JAMB) | LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2") |
|-------------|-----------------|----------------------------------|---|
| 6'-6" | 4 | 7 | 2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/4" (JB-US) |
| 7'-0" | 4 | 7 | 2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 42" (JB-US), 52-1/2" (JB-US), 63-1/4" (JB-US) |
| 7'-6" | 4 OR 5 | 8 | 2" (JB-US), 10" (JB-US), 18-3/4" (JB-US), 26-3/4" (JB-US), 36" (JB-US), 45" (JB-US), 54-1/4" (JB-US), 74-1/2" (JB-US) |
| 8'-0" | 4 OR 5 | 8 | 2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/2" (JB-US), 75-1/2" (JB-US) |
| > 8'-0" | | | SEE NOTE BELOW |

NOTE: (JB-US) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4-20x9/16" TRACK BOLT AND NUT AS SHOWN ABOVE.
ALL DOORS GREATER THAN 8' IN HEIGHT REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SUPPLEMENT TRACK CHART FOR DETAILS.

COMPLIES WITH THE REQUIREMENTS OF IBC/IRC 2018.

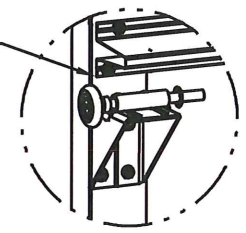


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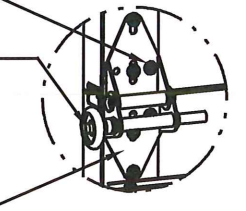
| STATIC PRESSURE RATINGS | | APPROVED SIZES | | SCALE: N.T.S. | | SIZE: A | |
|---|---------------|-------------------------|--------|------------------|---------|---------|-----|
| DESIGN (PSF): | +35.70/-41.00 | MAX WIDTH: | 9'-2" | DATE | 5/13/20 | NAME | SW |
| TEST (PSF): | +53.55/-61.50 | MAX HEIGHT: | 24'-0" | DRAWN | | CHECKED | TLC |
| IMPACT/CYCLIC RATED (YES/NO): | YES | MAX SECTION HEIGHT: 24" | | 3/30/21 | | | |
| MODELS 190/490/160/593/594/591/592/596/599/5740/5760/7560 | | | | SHEET 1 OF 3 | | | |
| WINDLOAD SPECIFICATION OPTION CODE 2204 | | | | DRAWING PART NO. | | REV. | |
| | | | | 411706 | | A | |

12 GA COMMERCIAL TOP FRAME BRACKET WITH 13 GA ROLLER CARRIER ATTACHED WITH (4) 1/4-20x3/4" SELF DRILLING SCREWS



DETAIL A

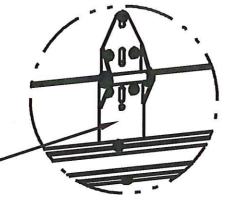
ADD (2) 1/4-20x3/4" SELF DRILLING CRIMPITE SCREWS (INSIDE OF EACH END HINGE)



DETAIL B

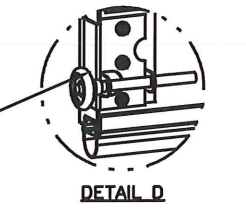
2" STEEL ROLLER WITH 5-1/4" STEM (OPTIONAL BALL BEARING NYLON ROLLERS)

14 GA WIDE BODY END HINGE ATTACHED WITH (4) 1/4-20x3/4" SELF DRILLING SCREWS



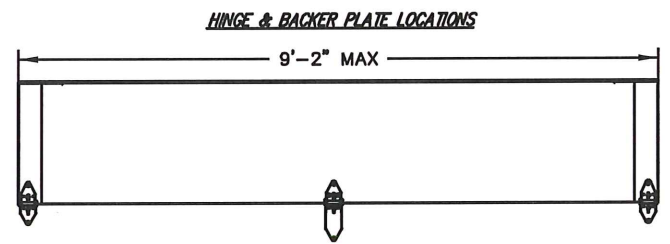
DETAIL C

14 GA WIDE BODY EXTENDED HINGE ATTACHED WITH (7) 1/4-20x3/4" SELF DRILLING SCREWS. (2 THROUGH STRUT AND HINGE)



DETAIL D

14 GA BOTTOM BRACKET ATTACHED WITH (3) 1/4-20x3/4" SELF DRILLING SCREWS



20 GA BACK PLATE ATTACHED WITH DOUBLE SIDED TAPE AND (2) 1/4-20x3/4" SELF DRILLING SCREWS AT TAPE LOCATION. UBAR ATTACHED WITH (2) 1/4-20x3/4" THROUGH STRUT AND PLATE.

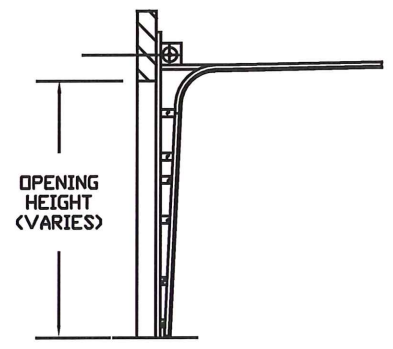


DETAIL E

20 GA BACK PLATE ATTACHED WITH DOUBLE SIDED TAPE AND (2) 1/4-20x3/4" SELF DRILLING SCREWS AT TAPE LOCATION. UBAR ATTACHED WITH (2) 1/4-20x3/4" THROUGH STRUT AND PLATE.

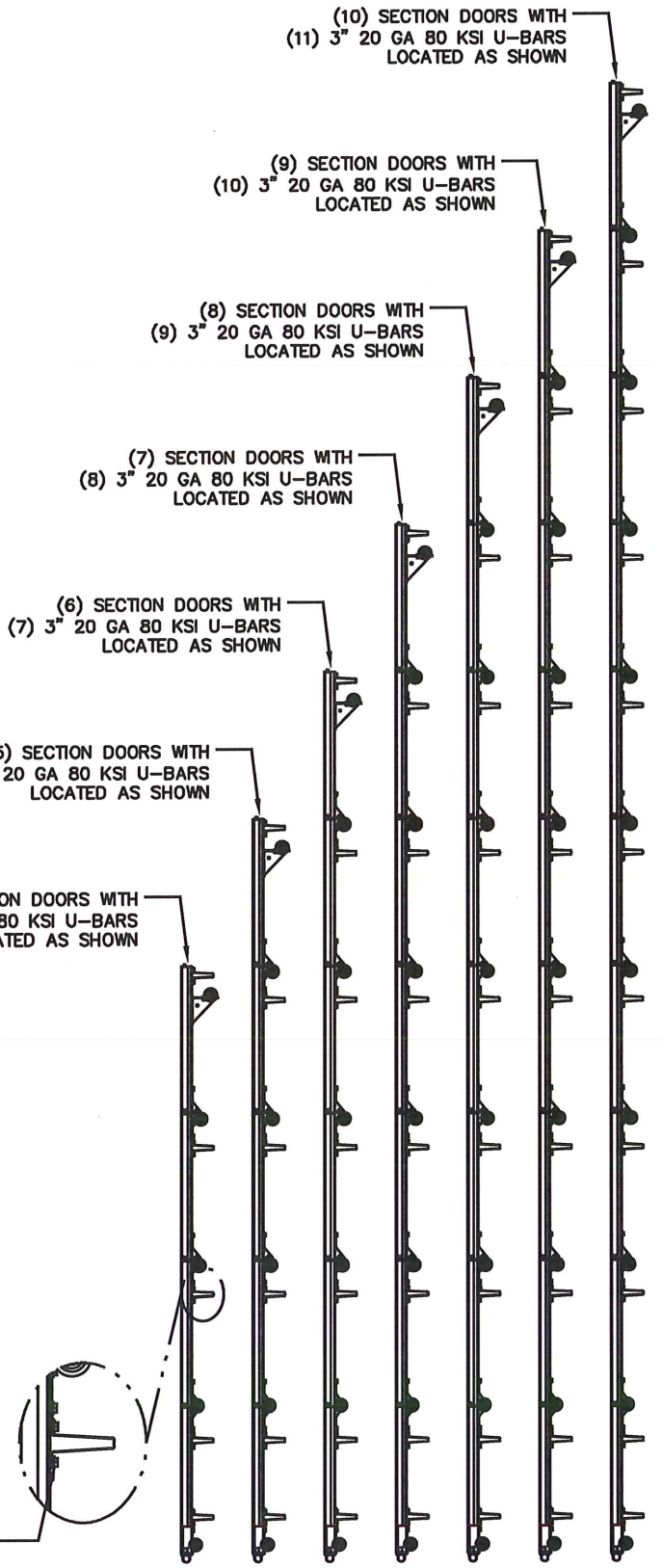


DETAIL F



OPTIONAL 2-PIECE TRACK DETAIL

ALL U-BARS SHALL BE ATTACHED WITH (2) 1/4-20x3/4" SELF DRILLING SCREWS AT EACH HINGE LOCATION AND BETWEEN ALL END HINGES AND INTERMEDIATE HINGES. A MINIMUM OF (10) FASTENERS ARE TO BE USED.



(10) SECTION DOORS WITH (11) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(9) SECTION DOORS WITH (10) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

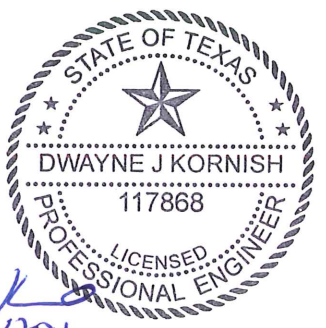
(8) SECTION DOORS WITH (9) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(7) SECTION DOORS WITH (8) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(6) SECTION DOORS WITH (7) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(5) SECTION DOORS WITH (6) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

(4) SECTION DOORS WITH (5) 3" 20 GA 80 KSI U-BARS LOCATED AS SHOWN

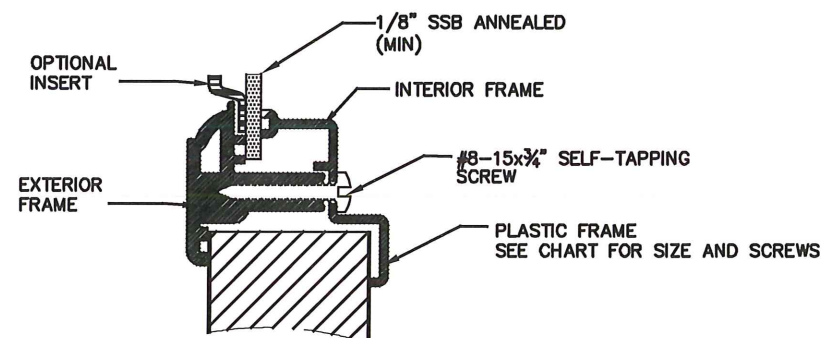


DWAYNE J. KORNISH, PE
4576 COUNTY ROAD 180
MOUNT HOPE, OHIO
FL PE 77845
TX PE 117868

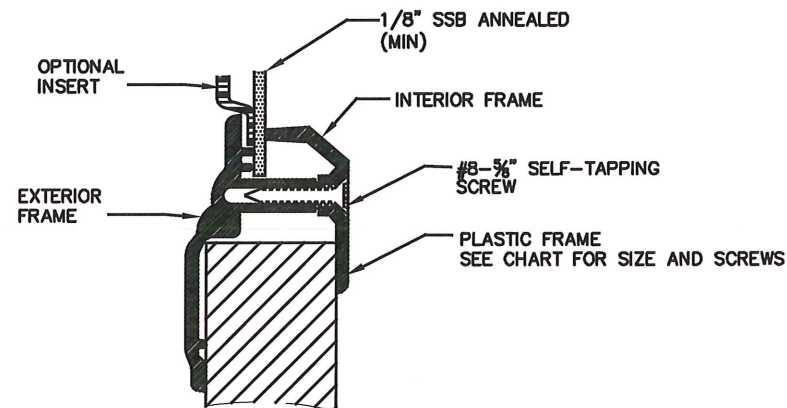
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| | | | | | |
|---|---------------|---------------------|--------|------------------|---------|
| STATIC PRESSURE RATINGS | | APPROVED SIZES | | SCALE: N.T.S. | SIZE: A |
| DESIGN (PSF): | +35.70/-41.00 | MAX WIDTH: | 9'-2" | DATE | NAME |
| TEST (PSF): | +53.55/-61.50 | MAX HEIGHT: | 24'-0" | DRAWN | 5/13/20 |
| IMPACT/CYCLIC RATED (YES/NO): | YES | MAX SECTION HEIGHT: | 24" | CHECKED | 3/30/21 |
| MODELS 190/490/160/593/594/591/592/596/599/5740/5760/7560 | | | | SHEET 2 OF 3 | |
| WINDLOAD SPECIFICATION OPTION CODE 2204 | | | | DRAWING PART NO. | REV. |
| | | | | 411706 | A |

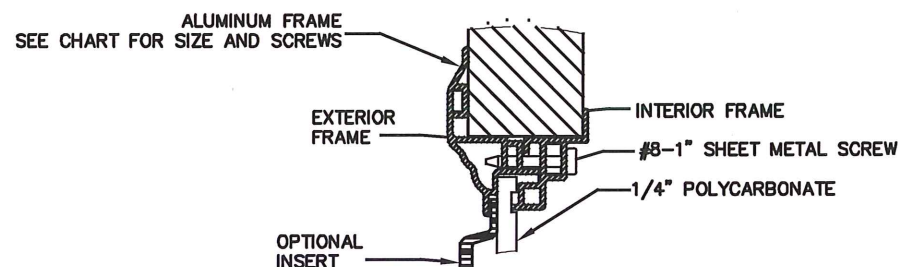


DETAIL G
NON-IMPACT GLAZING

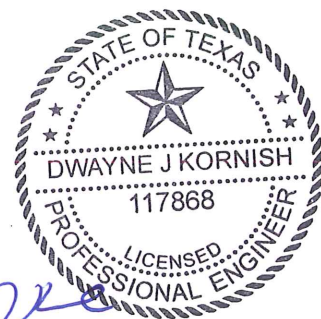


DETAIL H
NON-IMPACT GLAZING

| OUTSIDE FRAME SIZE | DAYLIGHT OPENING (DLO) | SCREW QTY EA HORIZ LEG | SCREW QTY EA VERT LEGS | SCREW QTY TOTAL | DETAIL |
|--------------------|------------------------|------------------------|------------------------|-----------------|--------|
| 17"X51" | 14X48 | 5 | 3 | 16 | G |
| 15.1X44" | 11.5"X40.5" | 8 | 3 | 22 | H |
| 14.9X20.8" | 11"X17" | 3 | 3 | 12 | H |
| 7"X40.8 | 4"X37.8" | 5 | 2 | 14 | H |
| 15.3"X44.1" | 11.3"X40.1" | 6 | 3 | 18 | I |
| 14.6"X20.8" | 10.6"X16.8" | 3 | 2 | 10 | I |
| 13"X38" | 9"X34" | 5 | 2 | 14 | I |



DETAIL I
IMPACT GLAZING



DJK
4/6/2021
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| TEST (PSF): | +53.55/-61.50 | MAX HEIGHT: | 24'-0" | CHECKED | 3/30/21 | | TLC |
| IMPACT/CYCLIC RATED (YES/NO): YES | | | | MAX SECTION HEIGHT: 24" | | SHEET 3 OF 3 | |
| MODELS 190/490/160/593/594/591/592/596/599/5740/5760/7560 | | | | DRAWING PART NO. | | REV. | |
| WINDLOAD SPECIFICATION OPTION CODE 2204 | | | | 411706 | | A | |