

NOTES:

1. NON-IMPACT RESISTANT GLAZING OPTION - .090" MINIMUM SSB GLAZING IN MOLDED FRAMES 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. SEE PAGE 2 FOR DETAIL.

2. IMPACT RESISTANT GLAZING OPTION - 1/4" POLYCARBONATE IN ALUMINUM FRAMES INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS) MEETS UNIFORM STATIC WIND PRESSURES SHOWN ON THIS DRAWING. GLAZING IS IMPACT RESISTANT AND DOES MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS. SEE PAGE 2 FOR DETAIL.

3. VINYL OR WOOD DOOR STOP NAILED USING 6D NAILS AT A MAXIMUM OF 6" O.C. MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" TO MEET NEGATIVE PRESSURES.

4. SLIDE LOCK OR LOCK BAR LOCK REQUIRED.

5. LOUVER OPTION - .040" MINIMUM LOUVERS IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (10) #8x1" SCREWS (3X ALONG THE HORIZONTAL AND 2X ALONG THE VERTICAL) INSTALLED IN THE BOTTOM SECTION. MAXIMUM LOUVER DIMENSIONS SHALL BE 15" x 19" CUTOUT. LOUVERS ARE NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS.

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

7. A 22 GA BACKER PLATE IS TO BE LOCATED AT EVERY INTERMEDIATE AND OUTER END HINGE LOCATION.

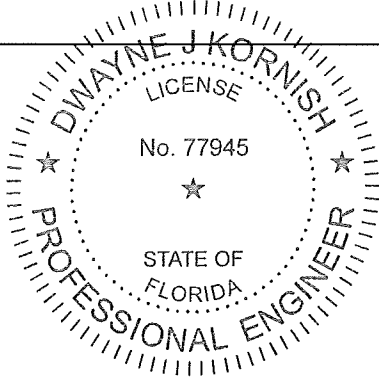
8. THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

9. DOOR JAMB TO BE MINIMUM 2x4 STRUCTURAL GRADE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.

10. FOR LOW HEAD ROOM LIFT CONDITIONS, TOP BRACKET SHALL BE A 13 GA LHR 7/4 TOP BRACKET WITHOUT PUSHNUTS AND WITH A MINIMUM OF (3) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS IN LIEU OF THE BRACKET SHOWN ON THIS DRAWING. U-BAR ON TOP SECTION SHALL BE INSTALLED ON TOP OF LHR TOP BRACKETS.

11. THE DOORS ARE DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 IRC AND THE 2018 IBC.

12. PROFESSIONAL ENGINEER SEAL PROVIDED FOR VERIFICATION OF WIND LOAD CONSTRUCTION DETAIL.

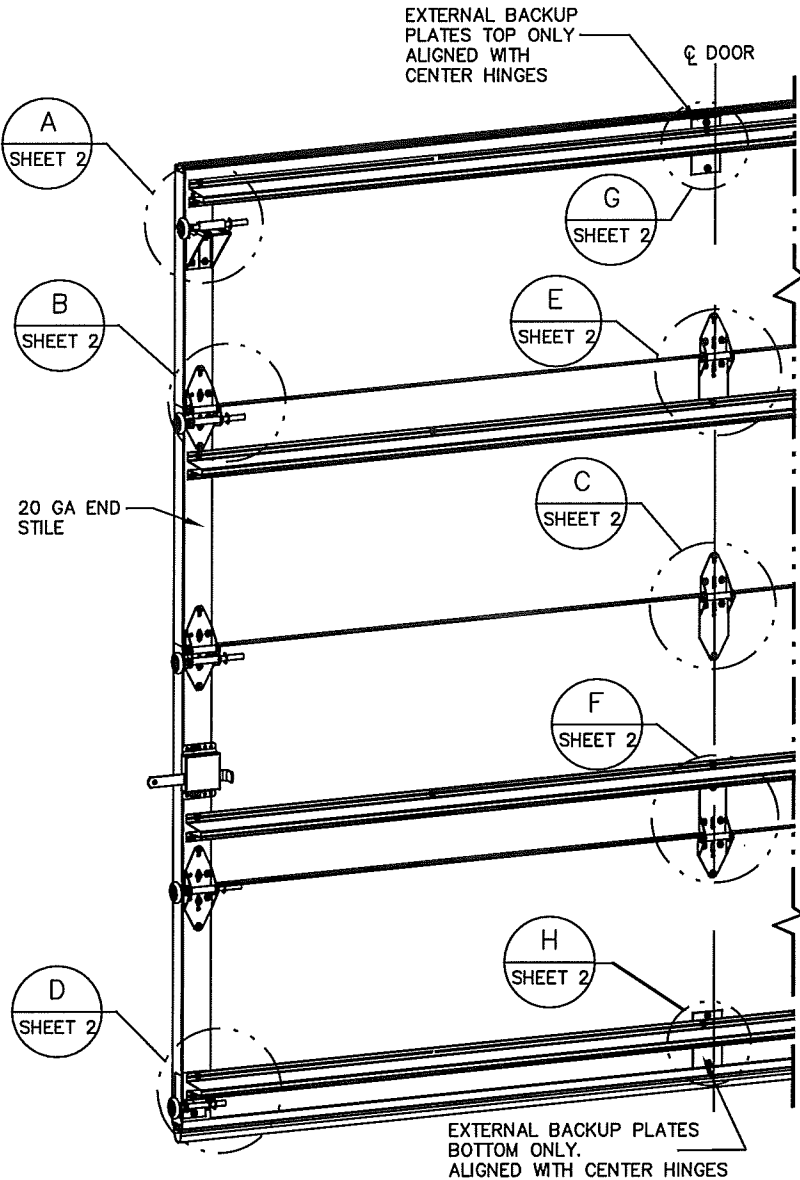


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13 GA HORIZ ANGLE
13 GA FLAG ANGLE
16 GA MIN HORIZ TRACK
5/16x1-5/8" LAG SCREW (MIN 4 AS SHOWN)
(4) 1/4-20x9/16" LARGE HEAD TRACK BOLTS OR 1/4-20 STUDS WITH 1/4-20 HEX NUTS
16 GA MIN VERT TRACK
1/4-20x9/16" TRACK BOLT AND 1/4-20 HEX NUT AT EACH JB-US JAMB BRACKET LOCATION
5/16x1-5/8" LAG SCREW AT EACH JAMB BRACKET
15 GA STIFFENED JAMB BRACKETS SEE SCHEDULE FOR QUANTITY, LOCATION, AND TYPE
KEY LOCK OR SLIDE LOCK BOTH ENDS. SLIDE LOCK SHOWN FOR CLARITY

NOTE: (4) SECTION SOLID DOOR SHOWN. SEE NOTES 1 & 2 THIS SHEET FOR GLAZING OPTIONS.



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.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
8'-2"	ALL	+109.8/-125.8
9'-2"	ALL	+123.3/-141.2

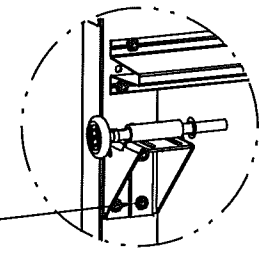
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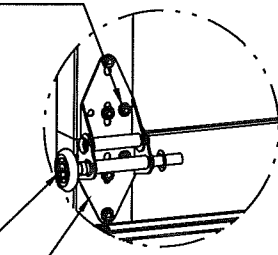
STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+26.90/-30.80	MAX WIDTH:	9'-2"	DATE	10/20/24	NAME	SW
TEST (PSF):	+40.35/-46.20	MAX HEIGHT:	24'-0"	CHECKED	-	TLC	-
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 24"		SHEET 1 OF 3			
MODELS 160/190/490/593/594/591/592/596/599/5740/5760/7560		WINDLOAD SPECIFICATION OPTION CODE 2208		DRAWING PART NO. 412858		REV. -	

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



DETAIL A

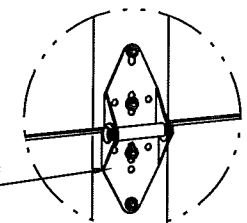
ADD (2) 1/4-14x7/8"
SELF DRILLING CRIMPTITE SCREWS
(INSIDE OF EACH INSIDE END HINGE)



DETAIL B

2" STEEL ROLLER AND 7/16" PUSH
NUT AT EACH ROLLER LOCATION.
1/4" MAX BETWEEN PUSH NUT AND
OUTER HINGE. OPTIONAL NYLON,
10/11-BALL BEARING ROLLER
AVAILABLE

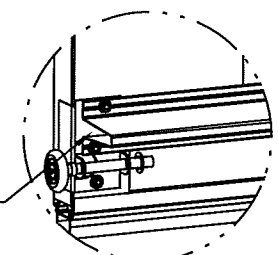
WIDE BODY END HINGE
EACH ATTACHED WITH (4)
1/4-14x7/8" SELF DRILLING
CRIMPTITE SCREWS
#1 IS 14 GA
#2 AND HIGHER IS 13 GA



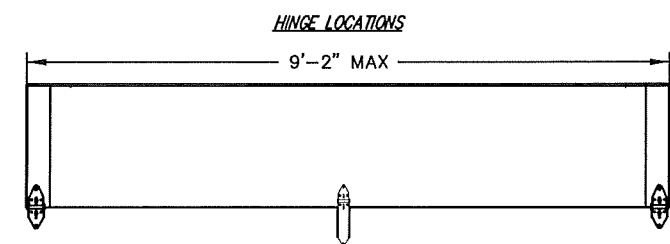
DETAIL C

14 GA WIDE BODY
INTERMEDIATE HINGE
ATTACHED WITH (4)
1/4-14x7/8" SELF DRILLING
CRIMPTITE SCREWS

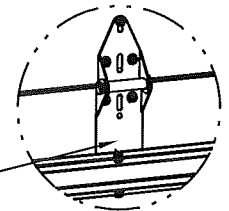
14 GA BOTTOM BRACKET
ATTACHED WITH (2)
1/4-14x7/8" SELF DRILLING
CRIMPTITE SCREWS THROUGH
STRUT AND BOTTOM BRACKET
AND (1) 1/4-14x5/8" SELF
DRILLING TAMPER RESISTANT
SCREW



DETAIL D

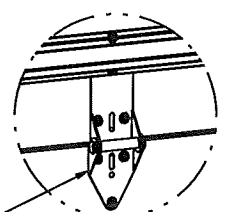


14 GA WIDE BODY
EXTENDED HINGE
ATTACHED WITH (7)
1/4-20x3/4" SELF
DRILLING SCREWS.
(2 THROUGH STRUT
AND HINGE).



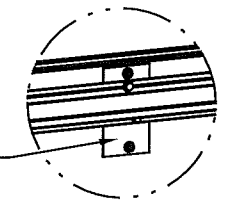
DETAIL E

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



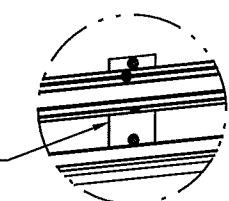
DETAIL F

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.

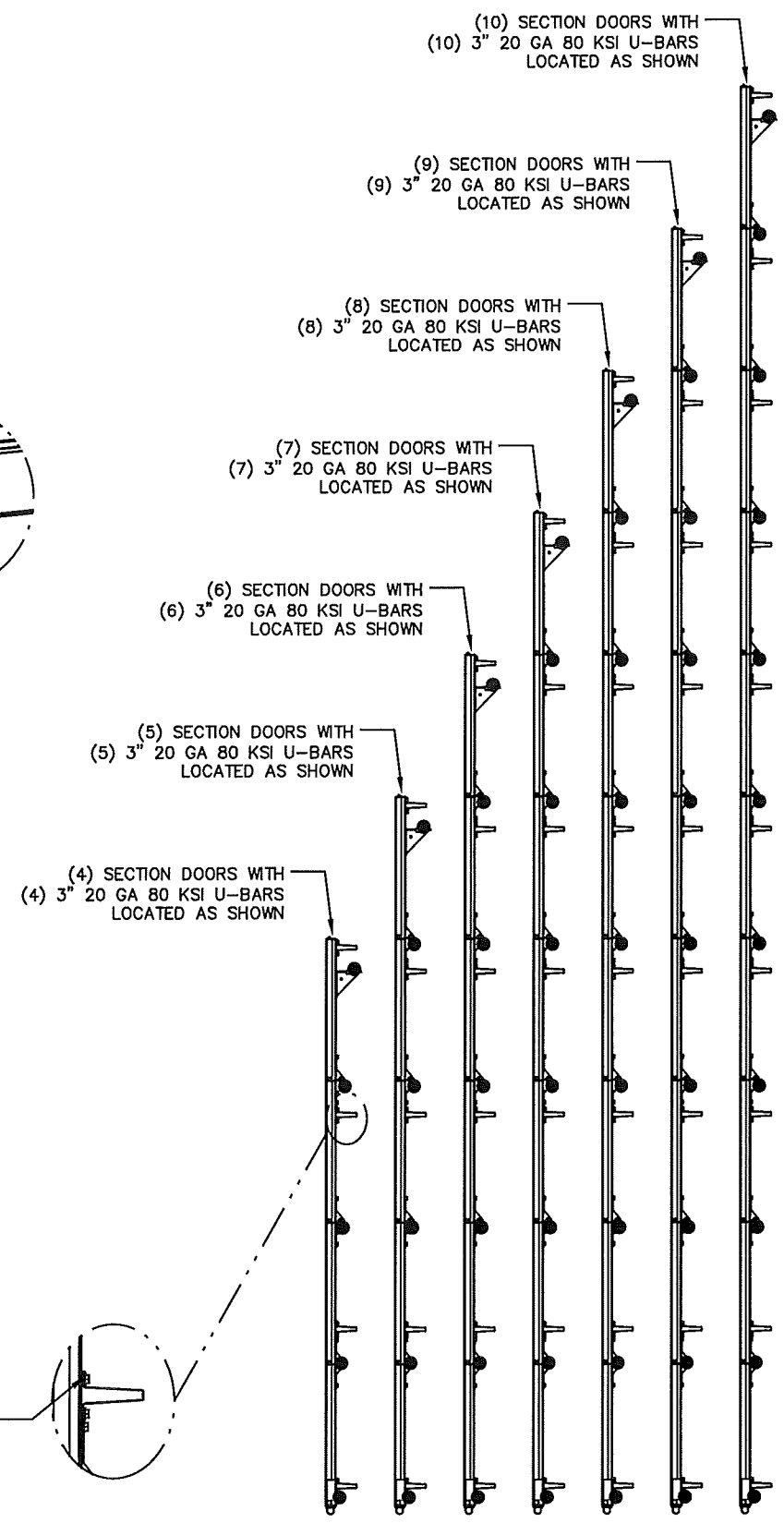


DETAIL G

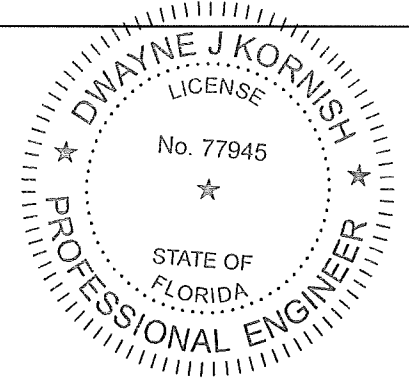
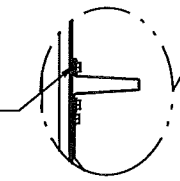
20 GA BACK PLATE
ATTACHED WITH DOUBLE
SIDED TAPE AND (2)
1/4-20x3/4" SELF
DRILLING SCREWS AT
TAPE LOCATION. UBAR
ATTACHED WITH (2)
1/4-20x3/4" THROUGH
STRUT AND PLATE.



DETAIL H



ALL U-BARS SHALL BE
ATTACHED WITH (2)
1/4-14x7/8" SELF DRILLING
CRIMPTITE SCREWS AT EACH
HINGE LOCATION AND
BETWEEN ALL END HINGES
AND INTERMEDIATE HINGES. A
MINIMUM OF (8) FASTENERS
ARE TO BE USED.



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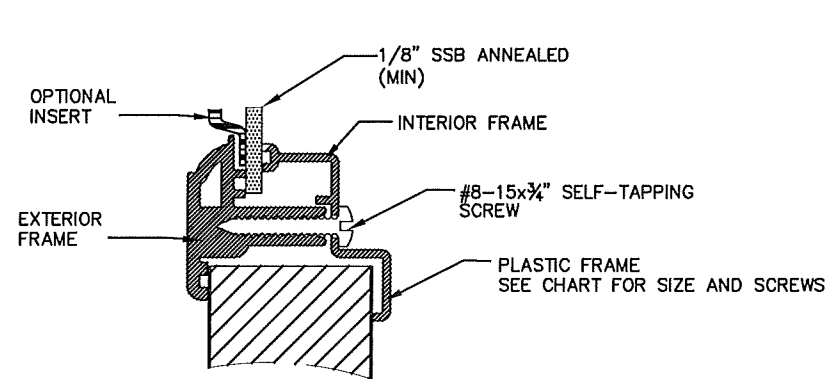
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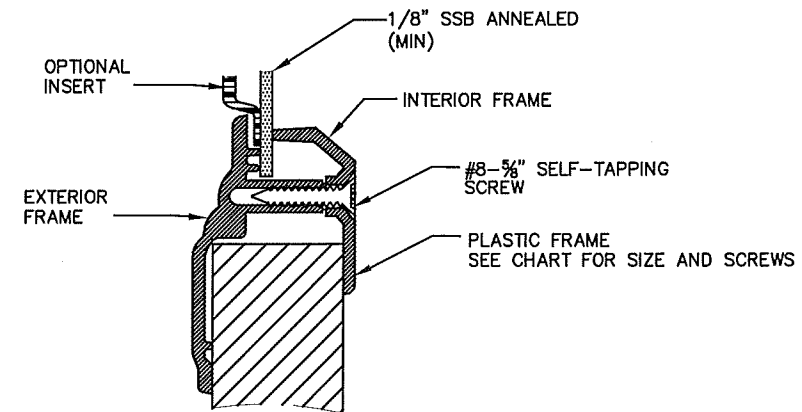
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TEST (PSF): +40.35/−46.20		MAX HEIGHT: 24'−0"		DRAWN		10/20/24		SW		
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 24"		CHECKED		−		TLC		
MODELS 160/190/490/593/594/591/592/596/599/5740/5760/7560					SHEET 2 OF 3					
WINDLOAD SPECIFICATION OPTION CODE 2208					DRAWING PART NO.				REV.	
					412858				−	

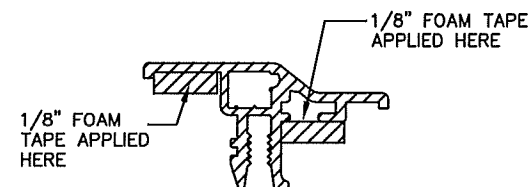


DETAIL H
NON-IMPACT GLAZING

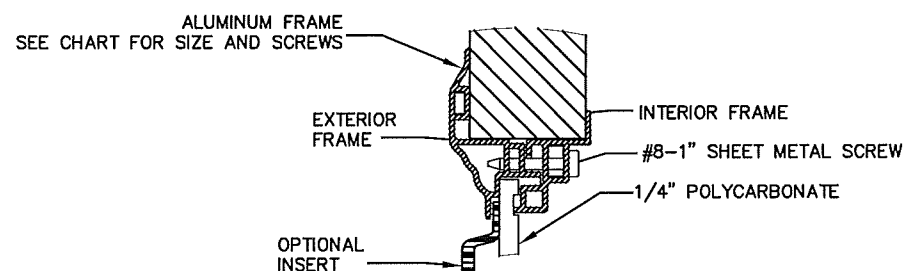


DETAIL I
NON-IMPACT GLAZING

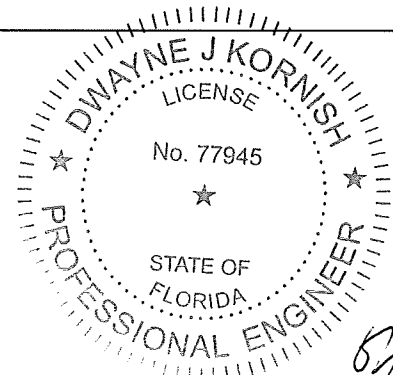
OUTSIDE FRAME SIZE	DAYLIGHT OPENING (DLO)	SCREW QTY EA HORIZ LEG	SCREW QTY EA VERT LEGS	SCREW QTY TOTAL	DETAIL
17"X51"	14X48	5	3	16	H
15.1X44"	11.5"X40.5"	8	3	22	I
14.9X20.8"	11"X17"	3	3	12	I
7"X40.8	4"X37.8"	5	2	14	I
15.3"X44.1"	11.3"X40.1"	6	3	18	J
14.6"X20.8"	10.6"X16.8"	3	2	10	J
13"X38"	9"X34"	5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



ALUMINUM FRAME
(STATIC RATED ALTERNATE FRAME OPTION)



DETAIL J
IMPACT GLAZING



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MODELS 160/190/490/593/594/591/592/596/599/5740/5760/7560				SHEET 3 OF 3			
WINDLOAD SPECIFICATION OPTION CODE 2208				DRAWING PART NO.		REV.	
				412858		-	