RW-5100 RIBBON WINDOW SYSTEM LARGE & SMALL MISSILE IMPACT RESISTANT

INDEX TO DRAWINGS

SHEET 1: INDEX TO DRAWINGS AND NOTES

SHEET 2: TYPICAL ELEVATION

SHEET 3: BILL OF MATERIALS

SHEET 4: TYPICAL HORIZONTAL GLAZING DETAILS

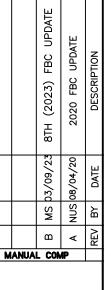
SHEET 5: TYPICAL VERTICALGLAZING DETAILS

SHEET 6: MULL CAP INSTALLATION DETAILS

SHEET 7: EXTRUSION PROFILES

GENERAL NOTES

- 1) THIS WINDOW SYSTEM HAS BEEN TESTED, ENGINEERED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN LOAD CHARTS. SYSTEM CONFORMS TO THE CURRENT FLORIDA BUILDING CODE, INCLUDING HVHZ REGIONS.
- 2) ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- 3) BUCK, OPENINGS & BUCK FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS FOR EACH APPLICATION. WOOD BUCKS SHALL BE DESIGNED BY SPECIALTY ENGINEER OR ENGINEER OF RECORD.
- 4) THE SYSTEM SHOWN HEREIN WAS TESTED IN CONFORMANCE WITH TAS 201-94, 202-94, 203-94 AND AAMA 501-15.
- 5) A 33% INCREASE IN ALLOWABLE STRESS WAS NOT USED IN ANALYSIS.
- 6) ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED IN ACCORDANCE WITH THE CURRENT CODE REFERENCED HEREIN.



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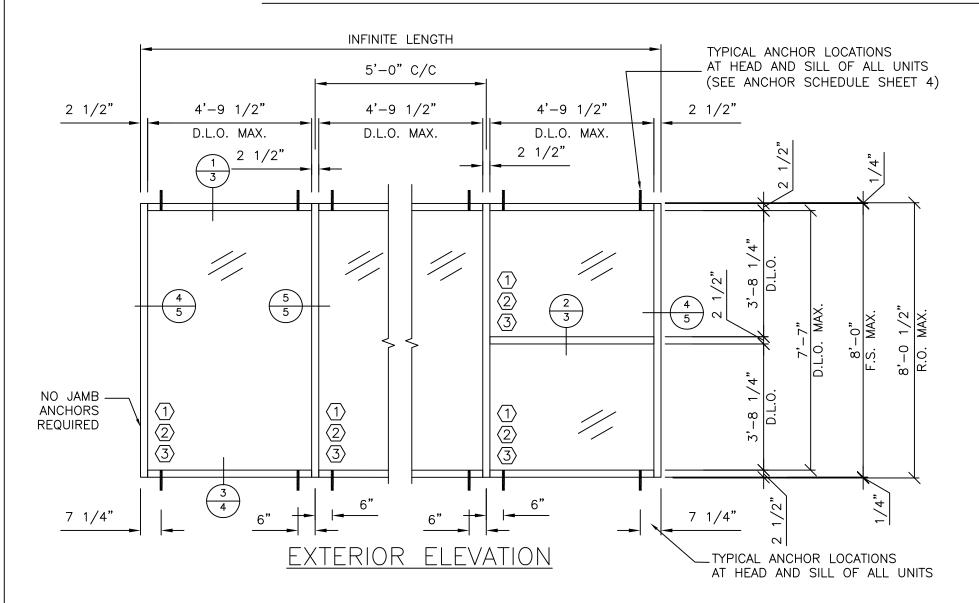
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OLDCASTLE BUILDINGENVELOPE SERIES RW-5100 RIBBON WINDOW SYSTEM

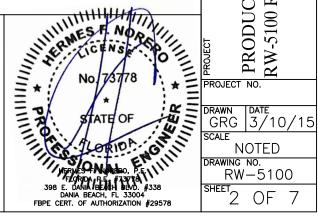


MAX. DESIGN	PRESSURES (PSF) FOR VARIOU	IS GLASS TYPES	
GLASS WD.	GLASS HGT.	GLASS TYPES (INSULATED LAMINATED)		
D.L.O.	D.L.O.	1	(2)	
55.83" 57.5"	91"	+70, -80 +70, -80	+70, -80 N/A	

(WATER TEST PRESSURE = 15 PSF)

	MANUFACTURER	GLASS SCHEDULE (LARGE MISSILE IMPACT) DESCRIPTION	GASKETS
1	EASTMAN CHEMICAL CO.	INSULATED — LAMINATED GLASS: 1/4" H.S. OR TEMPERED, 1/2" AIRSPACE, 1/4" H.S. GLASS AT INNER AND OUTER FACES, .075" SAFLEX CP INTERLAYER	FG-5126 INT FG-5158 EXT
	MANUFACTURER	GLASS SCHEDULE (SMALL MISSILE IMPACT) DESCRIPTION	GASKETS

NOTE: REFER TO SHEET 4 FOR GLAZING DETAILS



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RW-5100 RIBBON WINDOW SYSTEM **BILL OF MATERIALS**

	COMPONENT SCHEDULE		
PART NO.	DESCRIPTION	ALUMINUM ALLOY & TEMPER	
RW-5134	GLAZING BEAD	6063-T6	
RW-5135	HEAD/HORIZONTAL TRIM	6063-T5	
RW-5140	SILL TRIM	6063-T5	
RW-5141	MULL. CAP	6063-T5	
RW-5142	JAMB CAP	6063-T5	
RW-5146	JAMB MULLION	6063-T6	
RW-5147	MULLION	6063-T6	
RW-5148	MULLION	6063-T6	
RW-5149	HEAD	6063-T6	
RW-5150	HORIZONTAL	6063-T6	
RW-5151	SILL	6063-T6	
RW-5152	SETTING CHAIR	6063-T5	
RW-5153	SILL FACE CAP	6063-T5	
RW-5161	END DAM	6063-T5	
RW-5162	MULL. CAP	6063-T5	
ICW-2	TYPICAL FACE CAP	6063-T5	

GASKETS AND HARDWARE			
PART NO.	DESCRIPTION	LOCATION	
CW-998	BULB GASKET	MULLION	
ICW-12	ISOLATOR	ALL FACE @ 12" O.C.	
FG-5158	EPDM GASKET	TYPICAL EXTERIOR	
FG-5126	SSG SILICONE SPACER GASKET	TYPICAL INTERIOR	
FG-5159	EPDM SETTING BLOCK	SILL & HORIZONTAL	
FG-5159	(70-90 SHORE A DUROMETER)	SILL & HORIZONIAL	
RW5000-FP-5	VINYL WATER DIVERTER	HORIZONTAL	
FG-5160	VINYL BAFFLE RETAINER	SILL	
RW5000-FP-6	MULL. CAP (MADE FROM RW-5141)	HEAD & SILL MULLION	
RW5000-FP-7	JAMB CAP (MADE FROM RW-5142)	HEAD & SILL JAMB	
RW5000-FP-9	END DAM (MADE FROM RW-5161)	HEAD & SILL MULLION	
RW5000-PP-10	BAFFLE	SILL	
RW5000-FP-11	MULL. CAP (MADE FROM RW-5162)	MULLION	
DOWSIL 995	STRUCTURAL SILICONE	INTERIOR GLASS	
TREMCO	SILICONE SEALANT	INTERIOR GLASS/	
SPECTREM 2	SILICONL SEALAINI	MULL, JOINT	
SM-5601	SEALANT TAPE	FRAME JOINTS	
DOWSIL 795	STRUCTURAL SILICONE	MULL. JOINT	

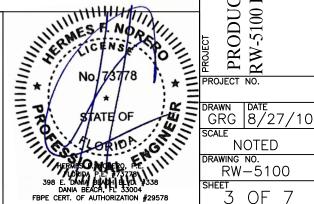
FASTENER SCHEDULE			
PART NO.	DESCRIPTION	APPLICATION	
FS-327	#12-14 X 7/8" HWHDRIL-FLEX GRADE 5 STEEL, GRADE 8 DRILL TIP	GLAZING BEAD	
FS-202	#8 X 1/2" PPH	JAMB CAP	
FS-45	#8 X 1/2" PFH	MULL. CAP/END DAM	
FS-44	5/16" X 1" HHSTS	FRAME CONNECTIONS	

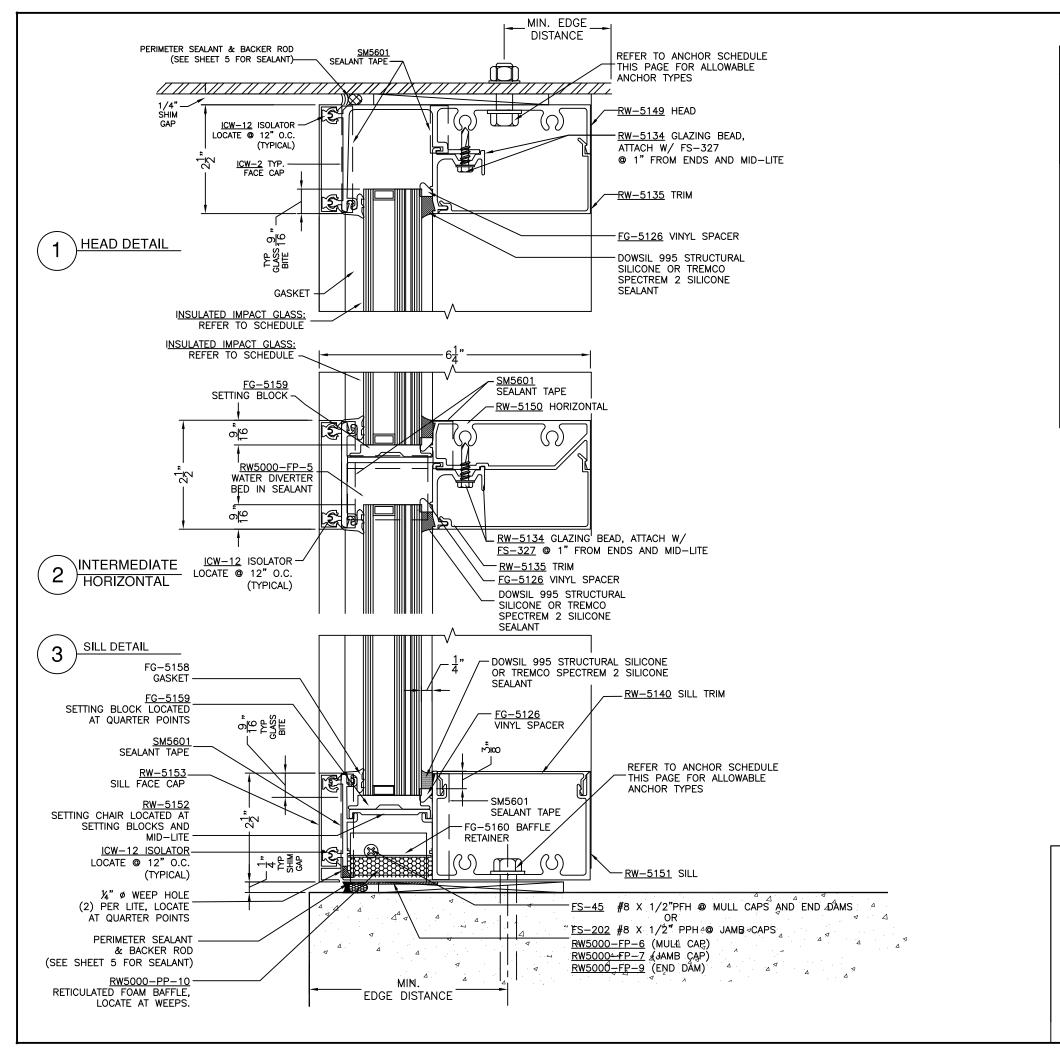
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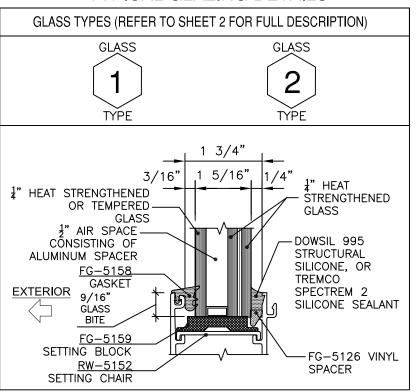


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TYPICAL GLAZING DETAILS



ANCHOR SCHEDULE

IN UNCRACKED CONCRETE (MIN. f'c=3000 psi):

♦ 3/8"Ø HILTI KWIKBOLT III WITH 2-1/2" MIN. EMBED MIN EDGE DISTANCE = 3"

MIN ANCHOR SPACING = 6"

♦ 3/8"Ø POWERS WEDGE BOLT WITH 2-1/2" MIN. EMBED MIN EDGE DISTANCE = 3-1/8"

MIN ANCHOR SPACING = 6" IN CRACKED CONCRETE (MIN. f'c=3000 psi):

+ 1/2" # HILTI KWIKBOLT TZ CS WITH 3-5/8" MIN. EMBED MIN EDGE DISTANCE = 3-3/8"

MIN ANCHOR SPACING = 6" + 1/2" POWERS WEDGE BOLT WITH 3-1/2" MIN. EMBED MIN EDGE DISTANCE = 3-1/2"

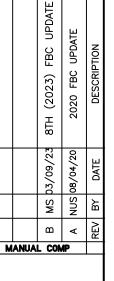
IN STEEL (1/8" THICK, A36 OR EQUIVALENT)

+ 3/8"-16 GRADE-5 HEX HEAD BOLT WITH NUT & WASHER OR SELF-TAPPING SCREW OR DRILLED AND TAPPED HOLES

MIN. FULL ENGAGEMENT INTO HEX NUT OR, MIN 3 THREADS PENETRATION FOR SELF-TAPPING SCREWS OR DRILLED AND TAPPED BOLTS

MIN EDGE DISTANCE = 1"

MIN ANCHOR SPACING = 6"



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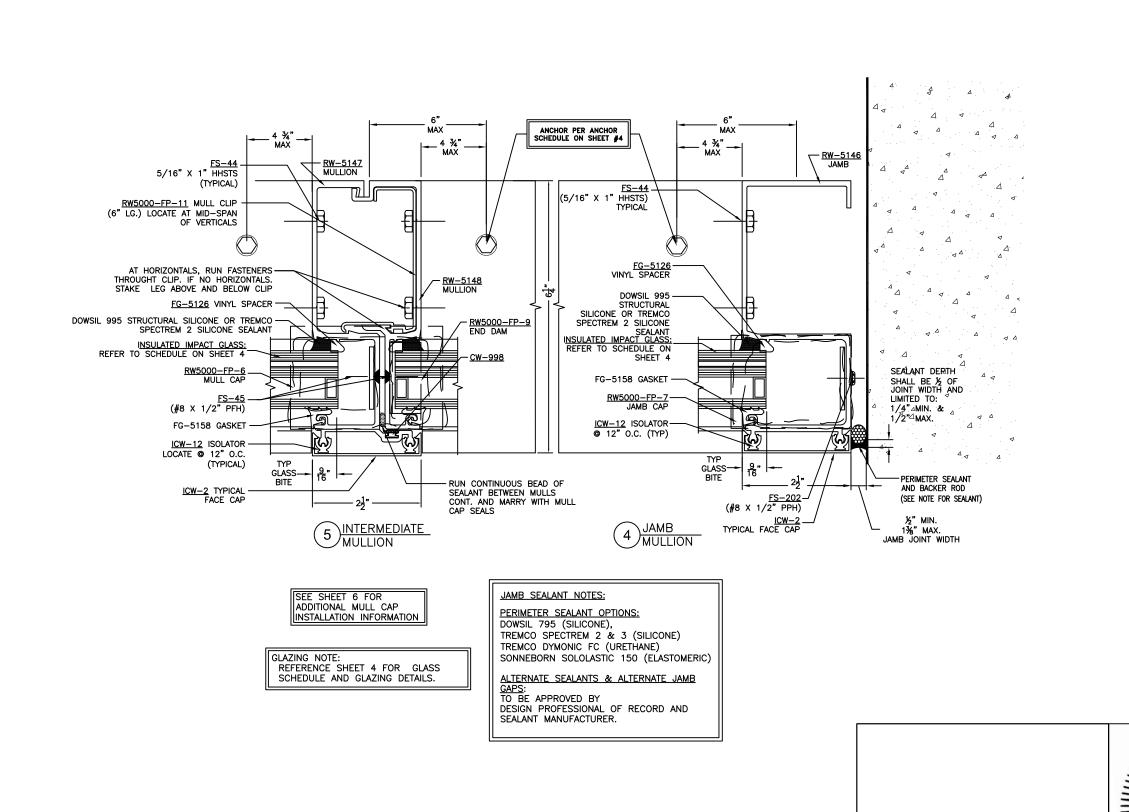


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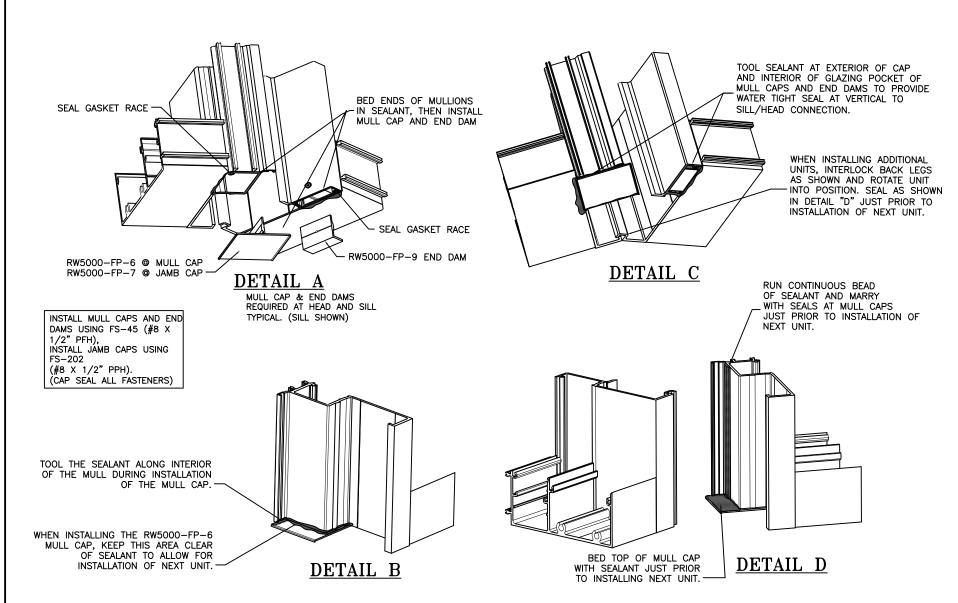
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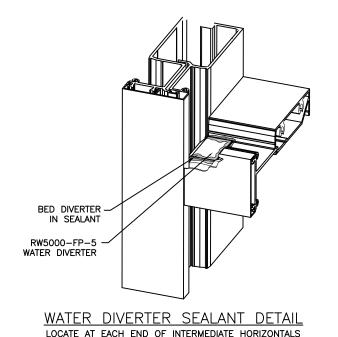
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RW-5100 MULL CAP SEALANT DETAILS AND INSTALLATION INSTRUCTIONS



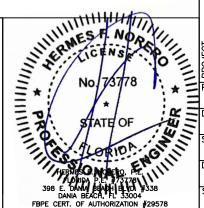


INSTALLATION NOTES:

- I) ASSEMBLE UNITS AS SHOWN ON DETAIL SHEETS 3 THRU 5.
 INSTALL SEALANT TAPE BETWEEN VERTICALS AND HORIZONTALS AS SHOWN.
- 2) INSTALL AND SEAL MULL CAPS AS SHOWN IN DETAILS A, B & C ABOVE.
- 3) MULL CAPS SHOULD FORM A WATER TIGHT SEAL. A TEST MAY BE CONDUCTED TO CONFIRM THIS SEAL BY BLOCKING WEEP HOLES AND FILLING SILL CAVITY WITH WATER. AFTER TEST REMOVE PLUGS FROM WEEP HOLES, DRAIN WATER, INSTALL BAFFLES AND BAFFLE RETAINERS.
- 4) INSTALL FIRST UNIT INTO OPENING
 (UNITS WILL INSTALL FROM LEFT TO RIGHT AS VIEWED FROM EXTERIOR OF BUILDING),
 LEVEL, PLUMB AND ANCHOR FIRST UNIT. WHEN SHIMMING UNITS, SHIM AT ANCHOR
 POINTS UNDER SILL. DO NOT PLACE SHIMS BENEATH MULL OR MULL CAP.
- 5) RUN BEAD OF SEALANT CONTINUOUS FOR FULL HEIGHT OF MULLION AND BED MULL CAP WITH SEALANT AT HEAD AND SILL AS SHOWN IN DETAIL D.
- 6) INSTALL SECOND UNIT BY BRINGING INTO POSITION FROM INSIDE OF BUILDING, TILT HEAD OF UNIT BENEATH MULL CAP, ROTATE SILL OF UNIT OVER LOWER MULL CAP, THEN INTERLOCK BACK LEGS OF MULLION (SEE DETAIL C), PLACE APPROPRIATE SHIMS BENEATH SILL MEMBER TO ALLOW FOR BETTER ALIGNMENT, AND ROTATE UNIT INTO PLACE. PLUMB AND ANCHOR.
- 7) REPEAT STEP 6 FOR ALL ADDITIONAL UNITS. MINIMUM 1/4" CAULK JOINT AT JAMB IS REQUIRED FOR INSTALLATION OF FINAL UNIT.

8) SYSTEM MAY BE INSTALLED EITHER IN UN-GLAZED OR PREGLAZED FRAMES. WHEN INSTALLING UNITS AS UN-GLAZED FRAMES FOLLOW INSTRUCTIONS 4 THRU 8 AND THEN INSTALL GLASS, NEXT PLACE AN I/8" SHIM AT MID-HEIGHT OF MULL AND CLAMP BACK OF MULL AT THE SHIM BEFORE RUNNING WEDGE TO HELP INSURE PROPER ALIGNMENT OF MULLS AT FACE OF SYSTEM. WHEN PREGLAZING FRAMES, MAKE SURE THAT UNITS ARE SQUARE AND THAT DAY LIGHT OPENINGS ARE HELD TO PROPER DIMENSIONS

BEFORE RUNNING STRUCTURAL SILICONE. (REFERENCE SILICONE MANUFACTURER FOR PROPER CLEANING AND USE OF SILICONE.)



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