

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

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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.

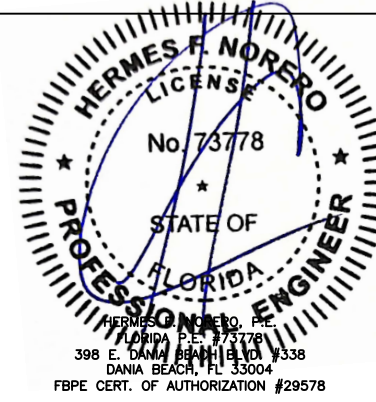
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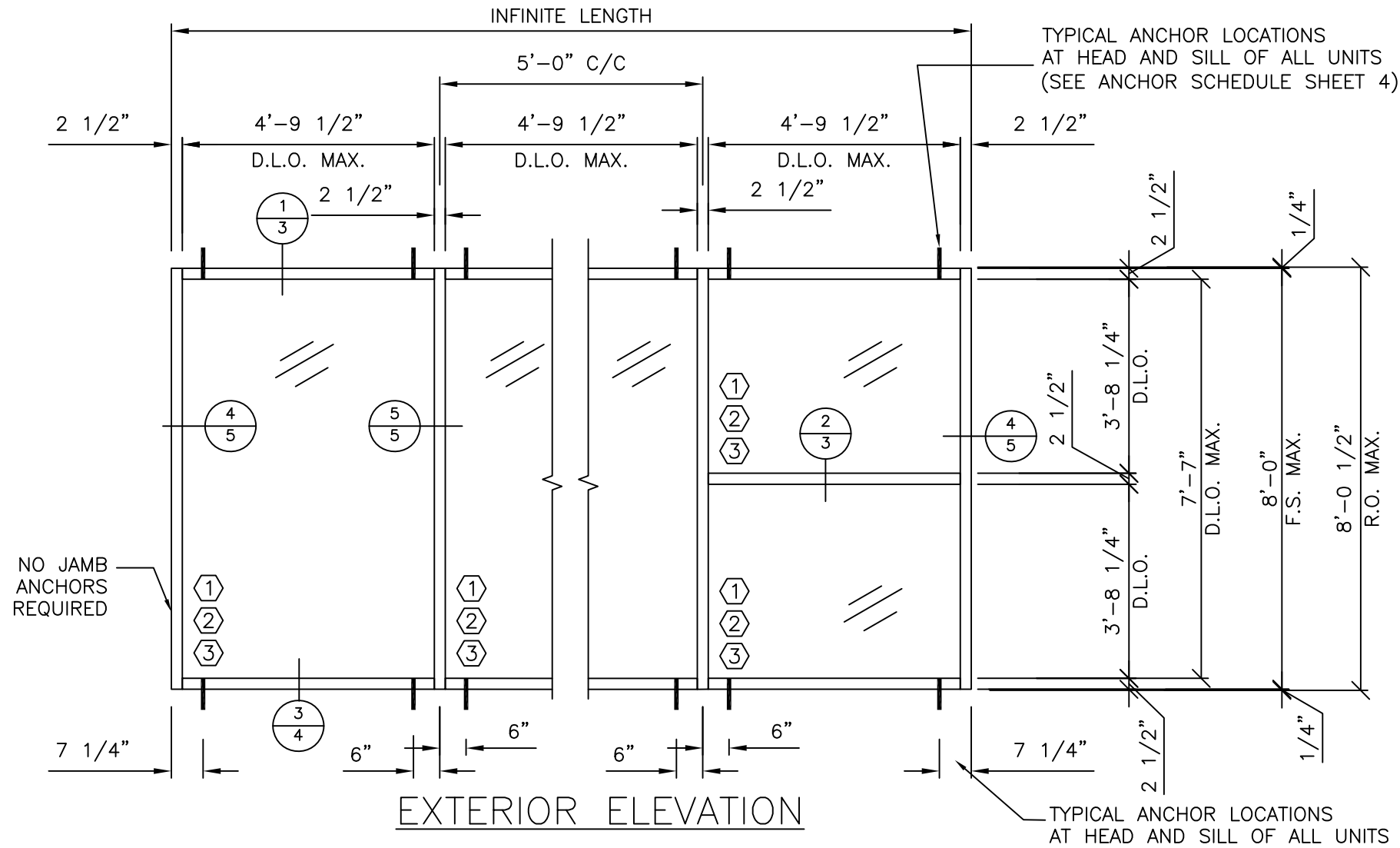
803 AIRPORT RD. TERRELL TX 75160
(972) 551-6100

PROJECT		PRODUCT APPROVAL DRAWINGS RW-5100 RIBBON WINDOW SYSTEM	
PROJECT NO.			
DRAWN	DATE		
GRG	3/10/15		
SCALE		NOTED	
DRAWING NO.		RW-5100	
SHEET		1 OF 7	



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FLORIDA P.E. #73778
398 E. DANIA BEACH BLVD #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION #29578

OLDCASTLE BUILDINGENVELOPE SERIES RW-5100 RIBBON WINDOW SYSTEM



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

(WATER TEST PRESSURE = 15 PSF)

GLASS SCHEDULE (LARGE MISSILE IMPACT)			
MANUFACTURER	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

GLASS SCHEDULE (SMALL MISSILE IMPACT)			
MANUFACTURER	DESCRIPTION		GASKETS
② 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 .060" SAFLEX PVB		FG-5126 INT FG-5158 EXT

NOTE:
REFER TO SHEET 4 FOR GLAZING DETAILS

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SHEET 2 OF 7

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RW-5100 RIBBON WINDOW SYSTEM

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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 (70-90 SHORE A DUROMETER)	SILL & HORIZONTAL
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 SPECTREM 2	SILICONE SEALANT	INTERIOR GLASS/ 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

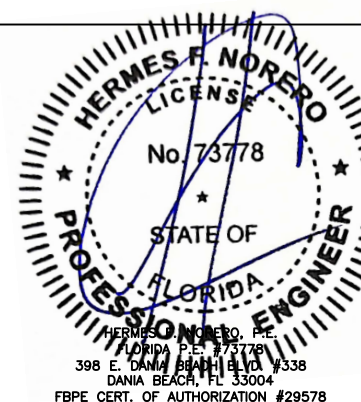
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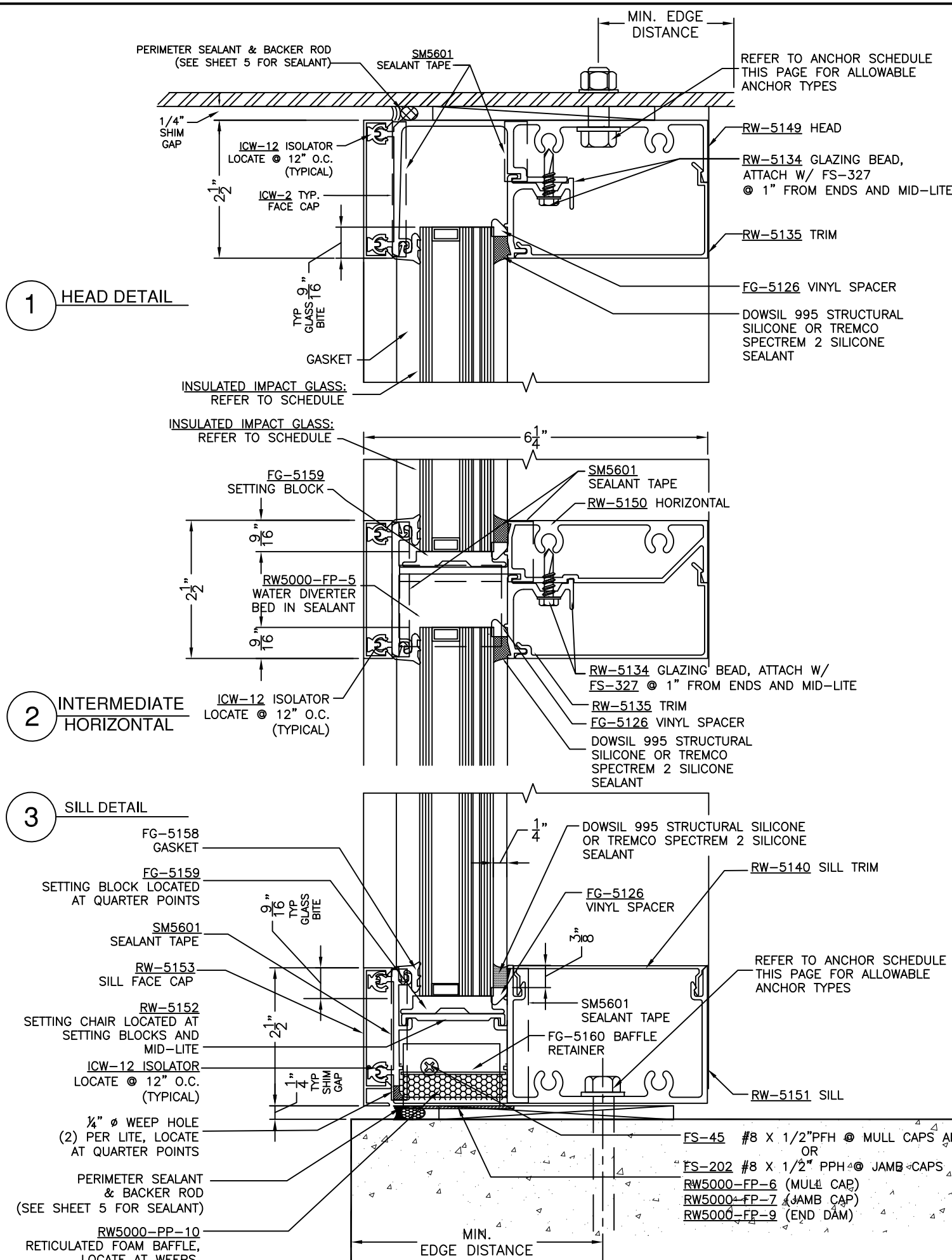
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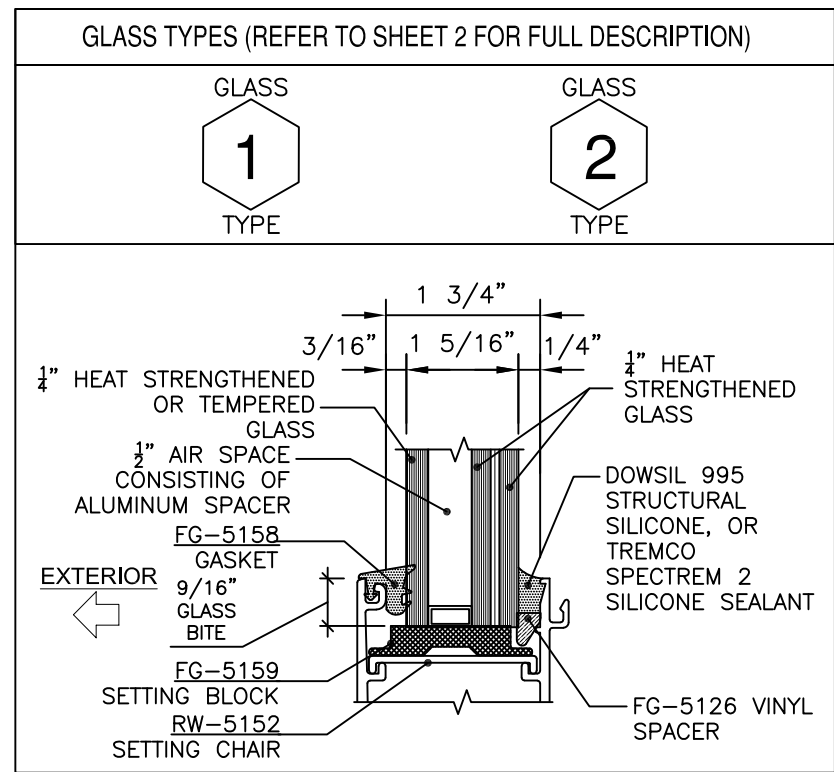


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TYPICAL GLAZING DETAILS



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" Ø HILTI KWIKBOLT TZ CS WITH 3-5/8" MIN. EMBED
 MIN EDGE DISTANCE = 3-3/8"
 MIN ANCHOR SPACING = 6"
- + 1/2" Ø POWERS WEDGE BOLT WITH 3-1/2" MIN. EMBED
 MIN EDGE DISTANCE = 3-1/2"
 MIN ANCHOR SPACING = 6"

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"

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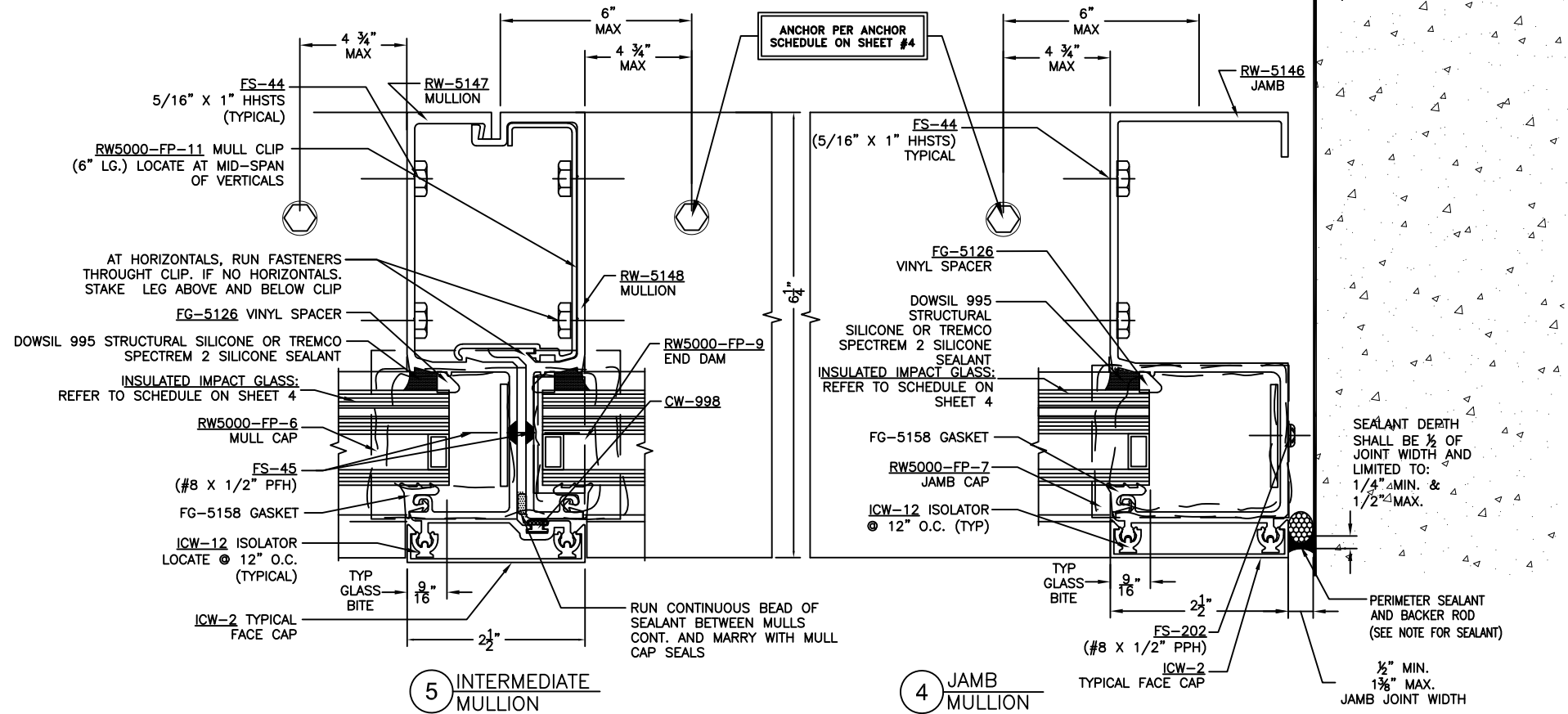
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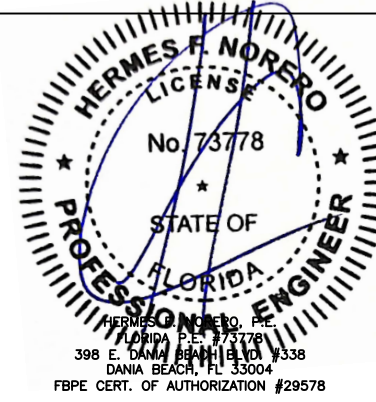
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SEE SHEET 6 FOR
ADDITIONAL MULL CAP
INSTALLATION INFORMATION

GLAZING NOTE:
REFERENCE SHEET 4 FOR GLASS
SCHEDULE AND GLAZING DETAILS.

JAMB SEALANT NOTES:
PERIMETER SEALANT OPTIONS:
DOWSIL 795 (SILICONE),
TREMCO SPECTREM 2 & 3 (SILICONE)
TREMCO DYMONIC FC (URETHANE)
SONNEBORN SOLOLASTIC 150 (ELASTOMERIC)
**ALTERNATE SEALANTS & ALTERNATE JAMB
GAPS:**
TO BE APPROVED BY
DESIGN PROFESSIONAL OF RECORD AND
SEALANT MANUFACTURER.



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