

VALDA 90 OOD
SERIES VISTA GUARD
ALUMINUM PICTURE WINDOW
LARGE MISSILE IMPACT

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN EVALUATED TO COMPLY WITH THE CURRENT PROVISIONS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING THE HIGH VELOCITY HURRICANE ZONES (HVHZ) AND IS BASED ON TESTING CONDUCTED TO TAS 202, TAS 201 & TAS-203 TEST PROTOCOLS DOCUMENTED IN TEST REPORT NO. NCTL-210-4217-01 AND TEST PROTOCOLS AAMA/WDMA/CSA 101/I.S.2/A440-11, ASTM E1886-05 AND ASTM E1996-05/09 DOCUMENTED IN TEST REPORT NO. NCTL-210-4217-01A.
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE, MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X BUCK OVER MASONRY AND/OR CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF THE INSTALLATION METHODS DEViate FROM THESE APPROVED DETAILS THIS WOULD REQUIRE FURTHER INVESTIGATION BY A LICENSED OR REGISTERED DESIGN PROFESSIONAL.
5. ALL SETTING BLOCKS AND GASKET MATERIALS SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER.
6. IN AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS REGIONS SHALL NOT BE REQ'D.
7. MATERIALS:
FRAME: EXTRUDED ALUMINUM
8. GLAZING:
8.1. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1.
8.2. SEE GLAZING DETAILS ON SHEET 3 OF 5.
8.3. GLASS SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE.
9. PANEL OPERABILITY DESIGNATIONS:
9.2. WINDOW IS AN STATIONARY PANEL (O).

INSTALLATION NOTES:

1. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH A LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
2. FOR ANCHORING THROUGH FRAME OR ANCHOR CLIP INTO MASONRY/CONCRETE USE 1/4" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE THE FOLLOWING:

2.1. CONCRETE: 1-1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1-1/2" MINIMUM EDGE DISTANCE.

2.2. CMU/MASONRY: 1" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE.
3. ANCHORING INTO WOOD SHALL BE AS FOLLOWS:

3.1. FOR ANCHORING THROUGH FRAME OR ANCHOR CLIP INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS PER (ANSI B18.6.1) WITH MINIMUM GRADE 2 STRENGTH AND WITH SUFFICIENT LENGTH TO ACHIEVE 1-1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE.
4. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

4.1. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55 (HVHZ), 0.42 (NON-HVHZ).

4.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

4.3. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF).

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2	ELEVATION AND ANCHOR LAYOUT
3	VERTICAL, HORIZONTAL SECTIONS & GLAZING DETAIL
4	ANCHOR DETAILS
5	BILL OF MATERIALS AND COMPONENTS

VALDA 90 OOD
UL. SHEMSHEVSKOS SHOSE 5002 WESTERN
INDUSTRIAL ZONE, VELIKO TARNOVO,
BULGARIA

SERIES VISTA GUARD ALUMINUM
IMPACT PICTURE WINDOW
GENERAL NOTES

DRAWN:
JRM

DWG NO.
NL-0145

REV
0

SCALE

SCALE

DATE
05-03-21

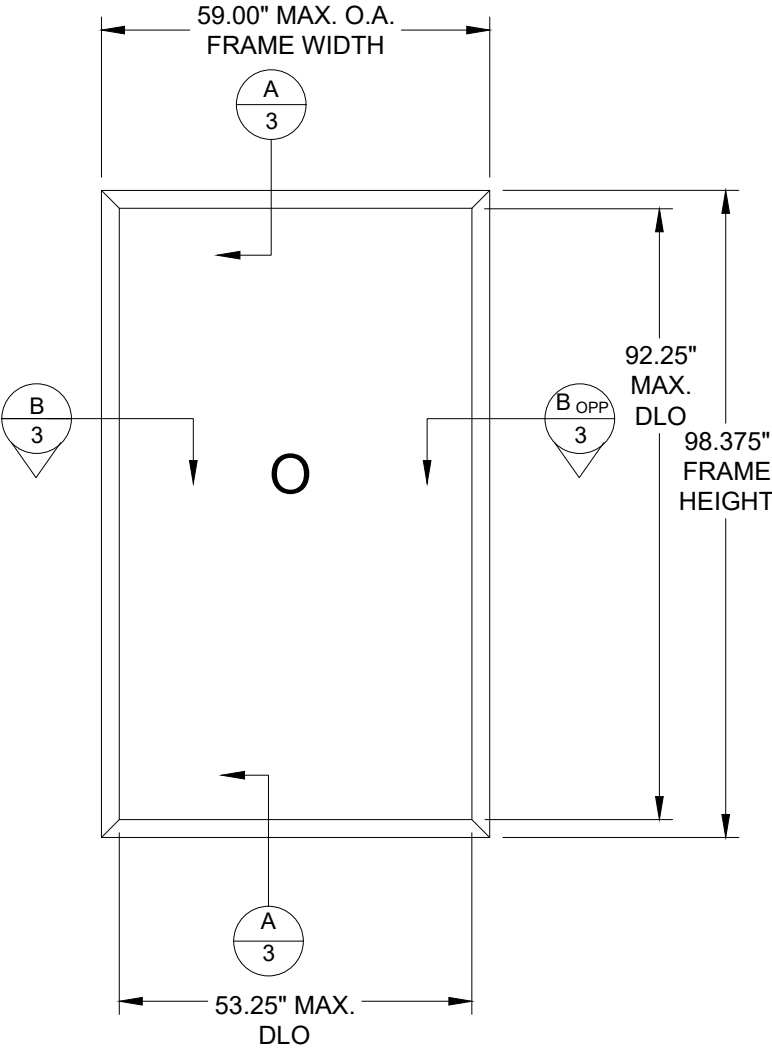
SHEET
1_OF_5

ROBERT J. AMORUSO
FL. P.E. NO. 49752

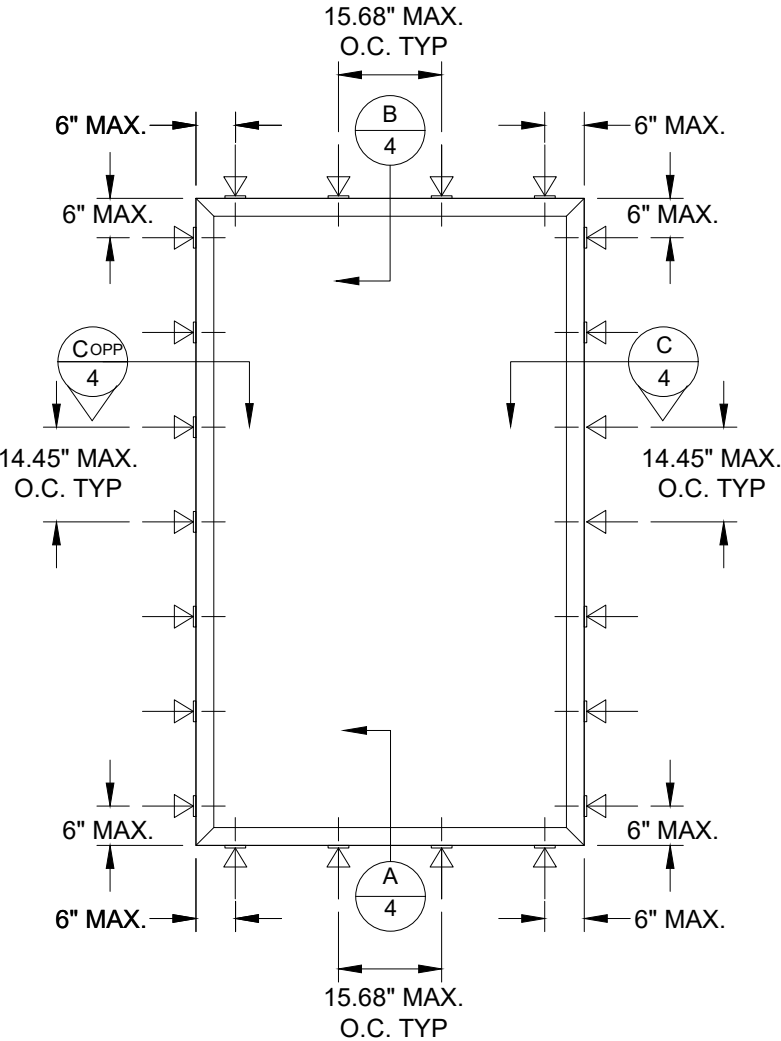


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ELEVATION LAYOUT
PICTURE WINDOW



ANCHOR LAYOUT
ANCHOR CLIP
INSTALLATION



DESIGN PRESSURE RATING (PSF)			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF)	QUALIFIED CONFIGURTAION	IMPACT RATING
59" x 98.375"	+/- 65 PSF	O	HVHZ - LARGE MISSILE ----- WIND ZONE 4 / MISSILE LEVEL D
SEE GLAZING DETAILS 1 ON SHEET 3			

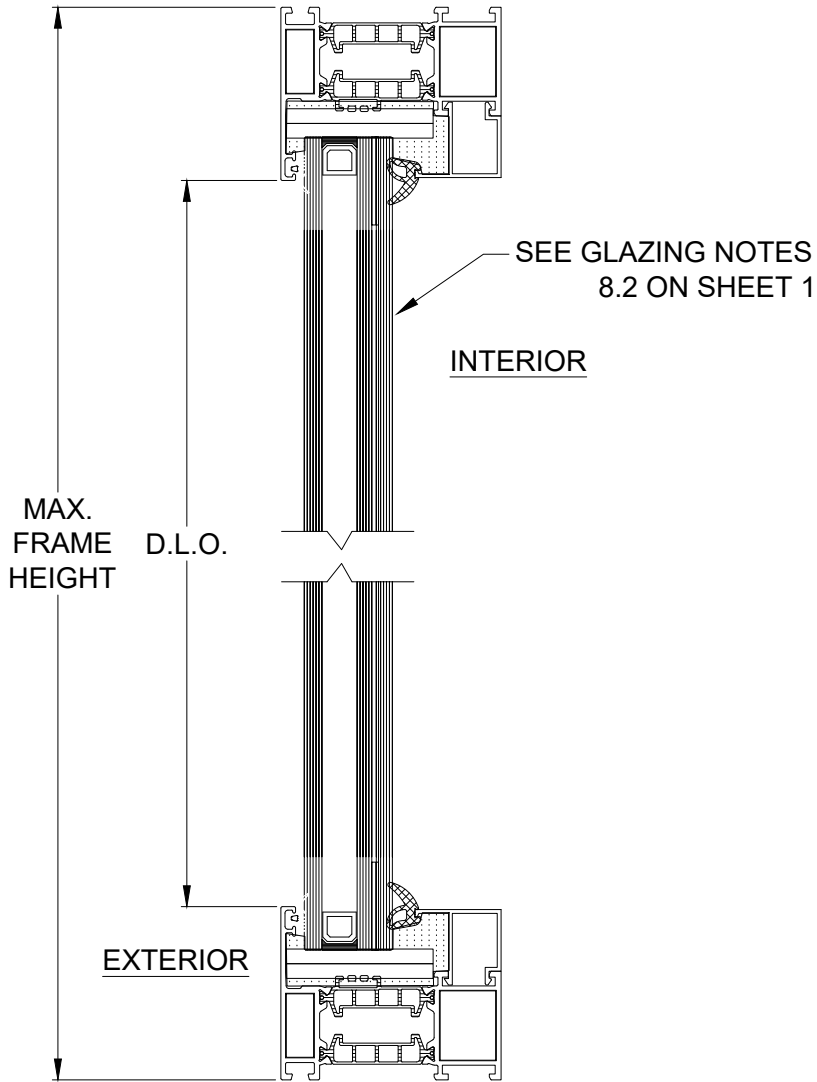
MAXIMUM SIZES (IN)	
FRAME	59 X 98.375
D.L.O	53.25 X 92.25

VALDA 90 OOD UL. SHEMSHEVSKOS SHOSE 5002 WESTERN INDUSTRIAL ZONE, VELIKO TARNOVO, BULGARIA		
SERIES VISTA GUARD ALUMINUM IMPACT PICTURE WINDOW ELEVATION AND ANCHOR LAYOUT		
DRAWN: JRM	DWG NO. NL-0145	REV 0
SCALE SCALE	DATE 05-03-21	SHEET 2_OF_5

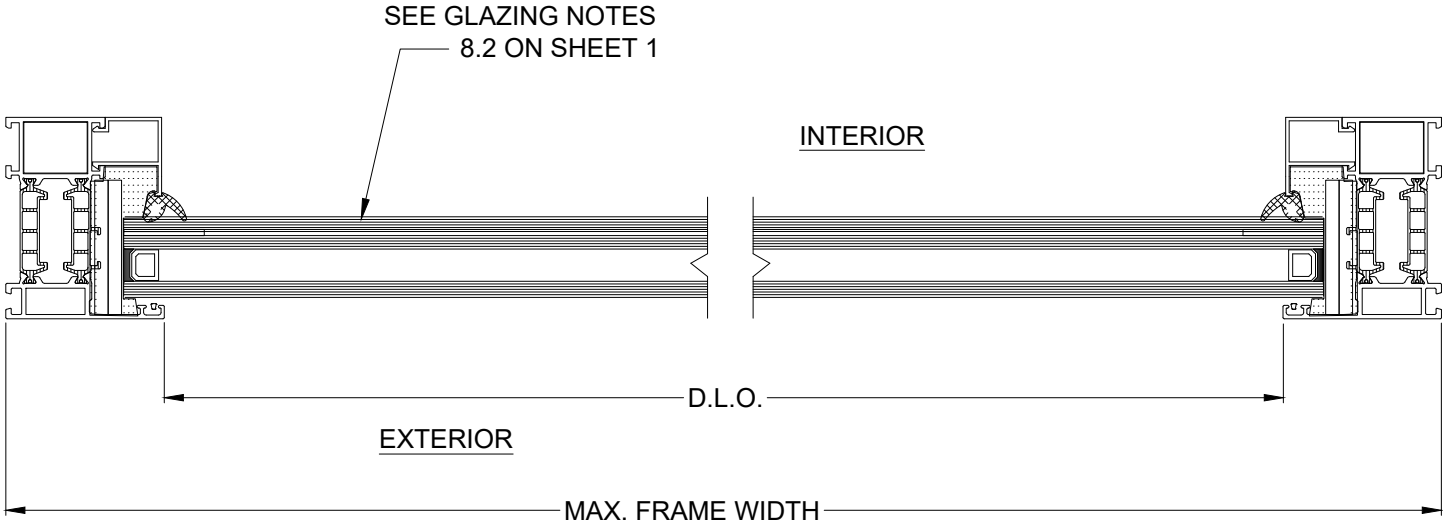
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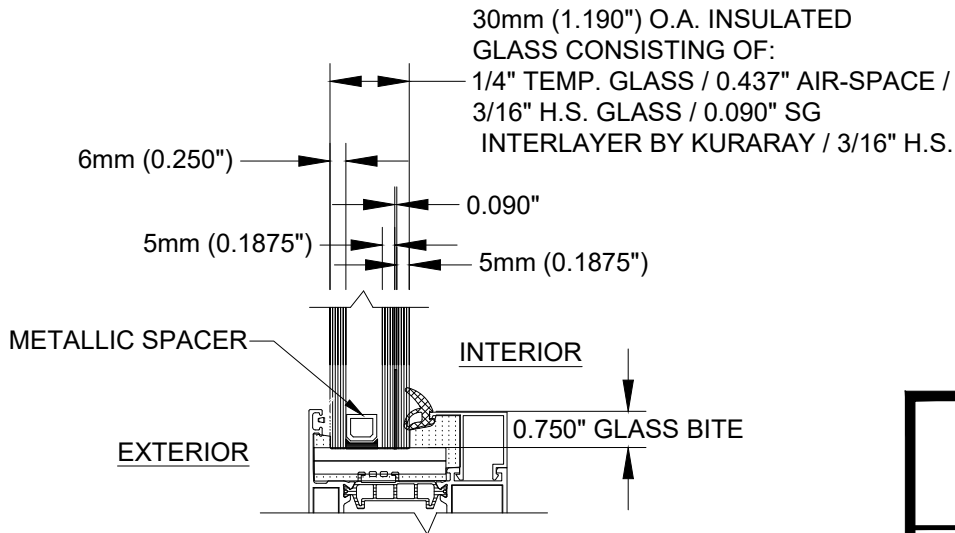


A
3 **VERTICAL SECTION**



B
3 **HORIZONTAL SECTION**
FRAME JAMB

B OPP
3 **HORIZONTAL SECTION**
FRAME JAMB



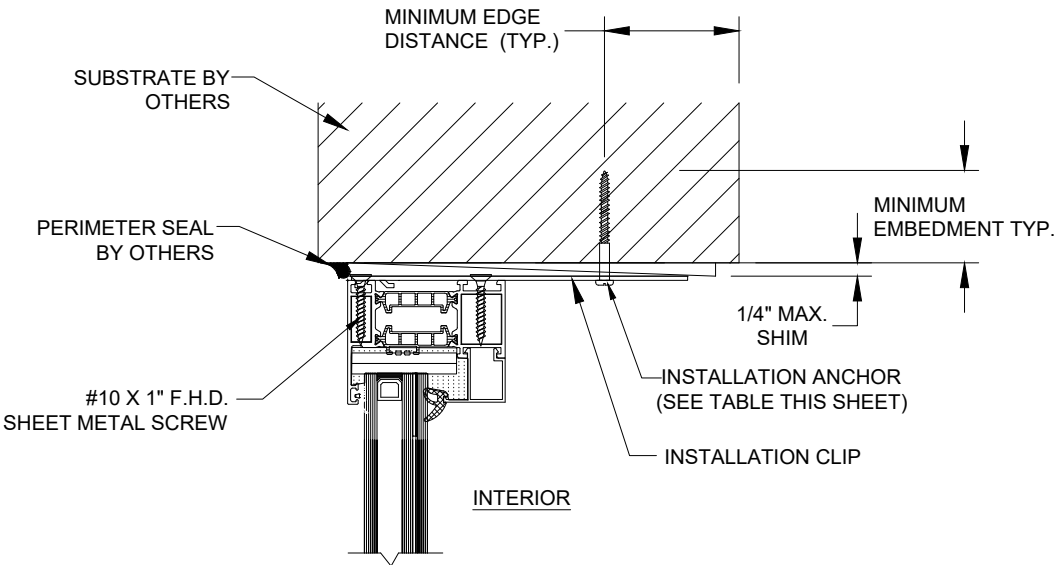
GLAZING DETAIL 1

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SERIES VISTA GUARD ALUMINUM IMPACT PICTURE WINDOW VERTICAL AND HORIZONTAL SECTIONS & GLZG.			
DRAWN: JRM	DWG NO. NL-0145	REV 0	
SCALE SCALE	DATE 05-03-21	SHEET 3_OF_5	

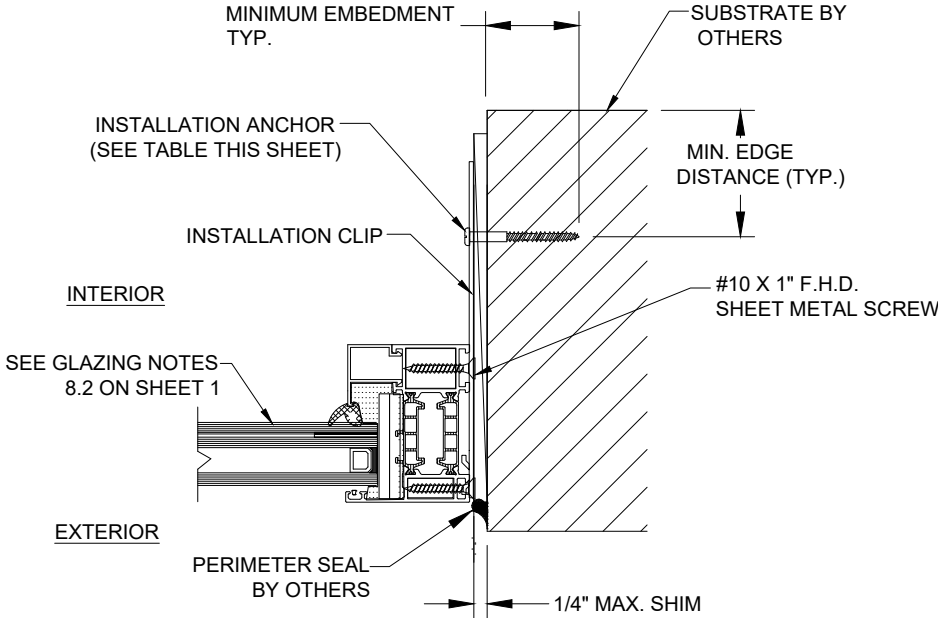
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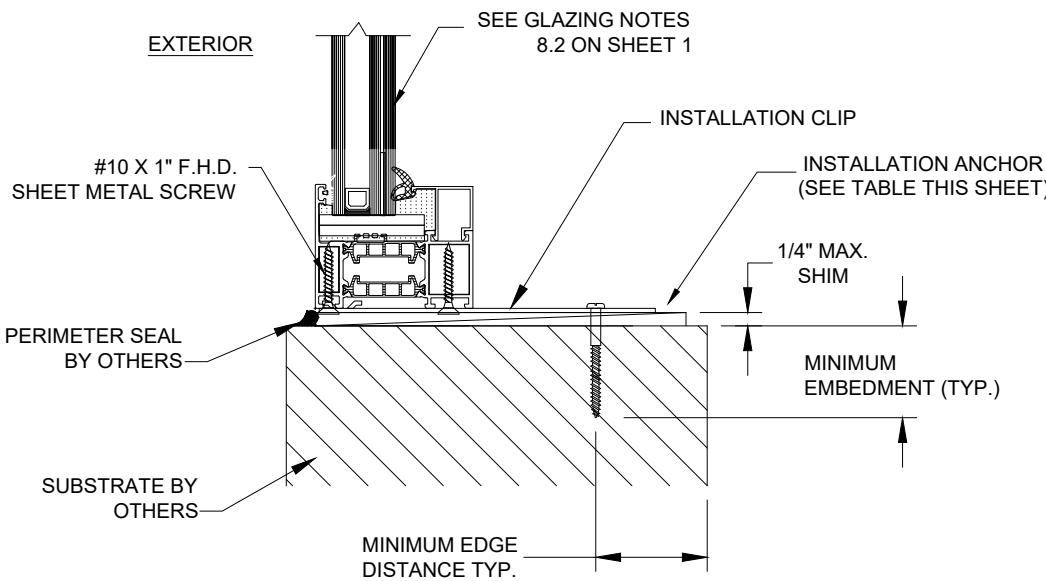
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B
4 **ANCHOR DETAIL**
 INSTALLATION CLIP
 FRAME HEAD



C
4 **ANCHOR DETAIL**
 INSTALLATION CLIP
 FRAME JAMB



A
4 **ANCHOR DETAIL**
 INSTALLATION CLIP
 FRAME SILL

INSTALLATION ANCHOR REQUIREMENTS TABLE					
ANCHOR REQUIREMENTS					
ANCHORING METHOD	SUBSTRATE		ANCHOR SCHEDULE	MIN. EMBED. (IN)	MIN. EDGE DISTANCE (IN)
THROUGH STRAP	WOOD	MIN. 0.42 S.G. (NON-HVHZ)	#14 WOOD SCREW	1-1/2	1"
	CONCRETE	2500 PSI MIN. CONCRETE	1/4 ITW TAPCON	1-1/2	1-1/2
	CMU	ASTM C90 MED. WT. (DENSITY) > 117 PCF) MASONRY (CMU) MIN.	1/4 ITW TAPCON	1	2
NOTES:	1)	CONCRETE AND MASONRY (BLOCK/CMU) SUBSTRATE ANCHORS TO BE 1/4" DIAMETER ITW CONCRETE SCREWS.			
	2)	WOOD FRAME SUBSTRATE ANCHORS USE NO. 14 WOOD SCREW ANCHORS (ANSI B18.6.1) WITH MIN. GRADE 2 STRENGTH.			

VALDA 90 OOD UL. SHEMSHEVSKOS SHOSE 5002 WESTERN INDUSTRIAL ZONE, VELIKO TARNOVO, BULGARIA		
SERIES VISTA GUARD ALUMINUM IMPACT PICTURE WINDOW ANCHOR DETAILS – INSTALLATION CLIP		
DRAWN: JRM	DWG NO. NL-0145	REV 0
SCALE SCALE	DATE 05-03-21	SHEET 4_OF_5

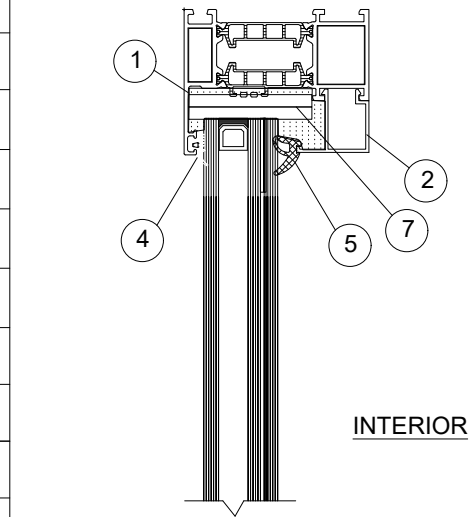
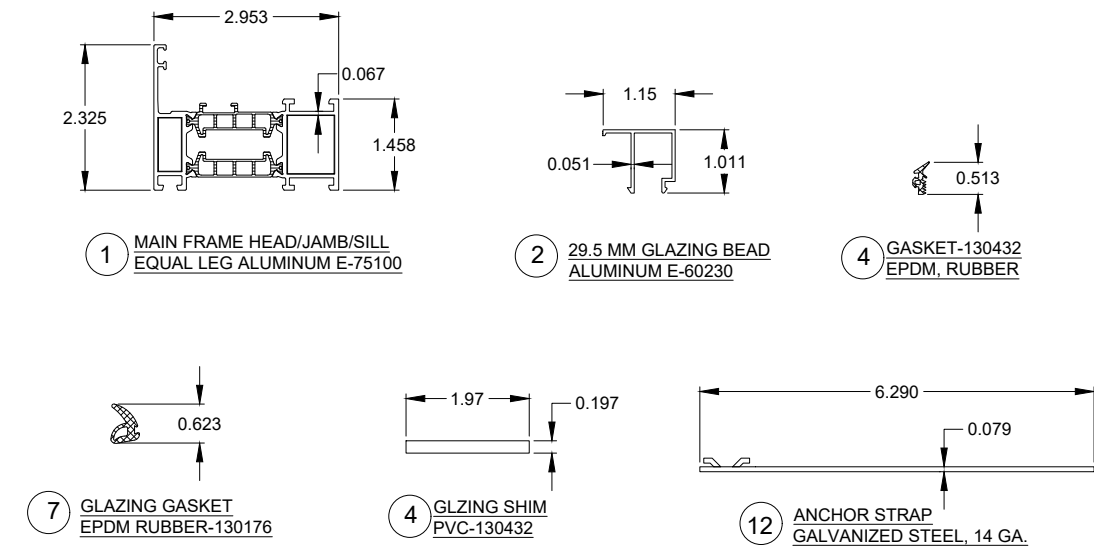
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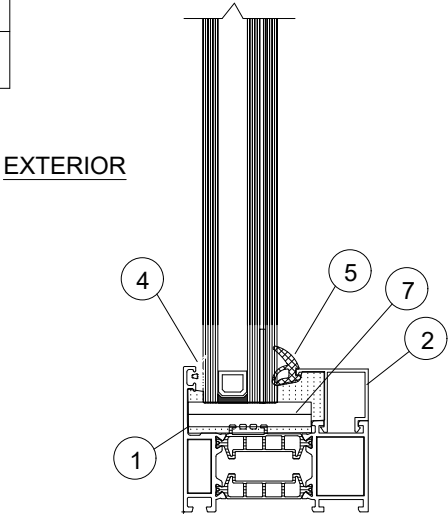
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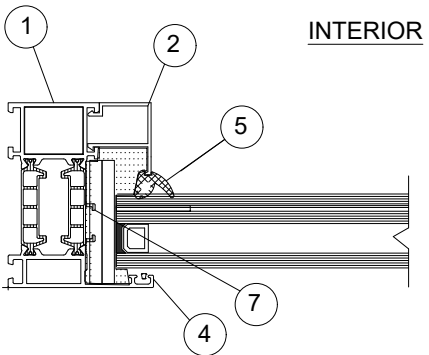
QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	E-75100	MAIN FRAME HEAD, JAMB & SILL ALUMINUM	ETEM
2	E-60230	29.5 MM GLAZING BEAD, ALUMINUM	ETEM
3	074 206	DRAINAGE CAP, UPVC/VINYL	ETEM
4	130432	GASKET EPDM RUBBER	ETEM
5	130176	GLAZING GASKET EPDM RUBBER	ETEM
6	-----	DOW CORNING 895-SILICONE SEALANT	DOW CORNING
7	991-306	GLAZING SHIMS PVC	ETEM
8	-----	#10 X 1" FHD S.M.S.	PURCHASE
9	-----	#14 PH WOOD SCREW	PURCHASE
10	-----	1/4" DIAM. I.T.W. MASONRY ANCHOR	PURCHASE
11	-----	GLAZING GASKET EPDM RUBBER	PURCHASE
12	-----	ANCHOR STRAP, 14 GA. GALVANIZED STEEL	PURCHASE



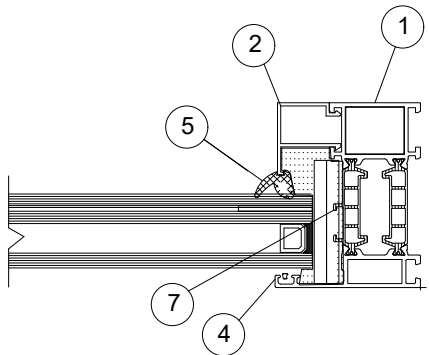
INTERIOR



EXTERIOR



INTERIOR



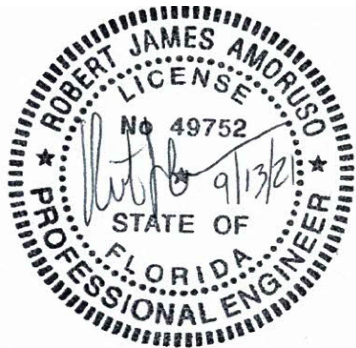
EXTERIOR

TYPICAL CROSS SECTION FOR PARTS IDENTIFICATION EQUAL LEG FRAME

TYPICAL CROSS SECTION FOR PARTS IDENTIFICATION EQUAL LEG FRAME

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