

VENTANA USA

SERIES 3000/3100 CASEMENT WINDOW

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN EVALUATED TO COMPLY WITH THE CURRENT PROVISIONS OF THE FLORIDA BUILDING CODE (FBC) EXCLUDING THE HIGH VELOCITY HURRICANE ZONES (HVHZ) AND IS BASED ON TESTING CONDUCTED TO AAMA/WDMA/CSA 101/I.S.2/A440-08 DOCUMENTED IN TEST REPORT NO. B5500.16-501-44.
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. IN AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS REGIONS SHALL BE REQUIRED:
6. MATERIALS:

6.1. FRAME: RIGID VINYL
7. GLAZING:

7.1. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e01.

7.2. SEE GLAZING DETAILS ON SHEET 4.

7.3. GLASS SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE AS REQUIRED.
8. PANEL OPERABILITY DESIGNATIONS:

8.1. X = OPERABLE

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ANCHOR NOTES:

1. INSTALL ONE (1) ANCHOR AS INDICATED IN THE SECTION DETAILS ON SHEET 3 AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEET 2.

1.1. LOCATION TOLERANCE IS +/- 1/2".
2. 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".
3. SEE INSTALLATION ANCHOR SCHEDULE ON THIS SHEET FOR ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE REQUIREMENTS.

3.1. INSTALLATION ANCHORS SHALL BE CORROSION RESISTANT OR HAVE CORROSION RESISTANT COATING.
4. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

4.1. WOOD - MINIMUM SPECIFIC GRAVITY OF 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).

INSTALLATION ANCHORAGE SCHEDULE				
INSTALLATION TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED. (IN)	MIN. EDGE DIST. (IN)
FIN	WOOD (SG = 0.42 MIN.)	No. 8 SMOOTH SHANK NAIL (0.131" SHANK DIAMETER)	1 1/2	1/2
		NO. 10 WOOD SCREW GR. 2 STRENGTH	1 3/8	5/16
EQUAL LEG & FLANGE THROUGH-FRAME	WOOD (SG = 0.42 MIN.)	NO. 10 PH WOOD SCREW GR. 2 STRENGTH	1 3/8	3/4
	CONCRETE (2.5 KSI MIN.)	3/16" HH ITW TAPCON	1 1/2	1 1/8
	MASONRY (ASTM C-90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF)	3/16" HH ITW TAPCON	1	2
	16 GAUGE (0.060") MIN. STEEL STUD, 33 KIS MIN. YIELD OR 1/8" ALUM. 6063-T5 MIN	#10-16 PH HILTI KWIK-FLEX, ITW TEKS OR OTHER EQUIVALENT SELF-DRILLING SCREW GR. 2 STRENGTH	FULL THICKNESS OF MEMBER PLUS 3 FULL THREAD LENGTHS TO INTERIOR	1/2

PERFORMANCE RATING			
FRAME TYPE	MAXIMUM WINDOW SIZE (IN)	DESIGN PRESSURE RATING (PSF)	IMPACT RATING
FIN (NEW CONSTRUCTION)	36 X 72	55	NONE
EQUAL LEG & FLANGE (REPLACEMENT/RETROFIT)	36 X 72	60	NONE

PROJECT NO. ACE-2018-110				BY
				DATE
				REV
			DESCRIPTION	

VENTANA USA

6001 ENTERPRISE DRIVE

EXPORT, PA 15632

TITLE:

SERIES 3000/3100 CASEMENT WINDOW - NI

INSTALLATION AND GENERAL NOTES

DRAWN BY:

RJA

SCALE:

N.T.S.

REV:

—

DATE:

6/22/18

DRAWING NO:

ACE0002

SHEET:

1 OF 5

VENTANA

PH:724-325-3400 FAX: 724-327-4540

Robert J. Amoruso, P.E.

Florida P.E. No. 49752

ROBERT JAMES AMORUSO

LICENSE

No. 49752

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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Date: 2018.07.07 17:48:08 -04'00'

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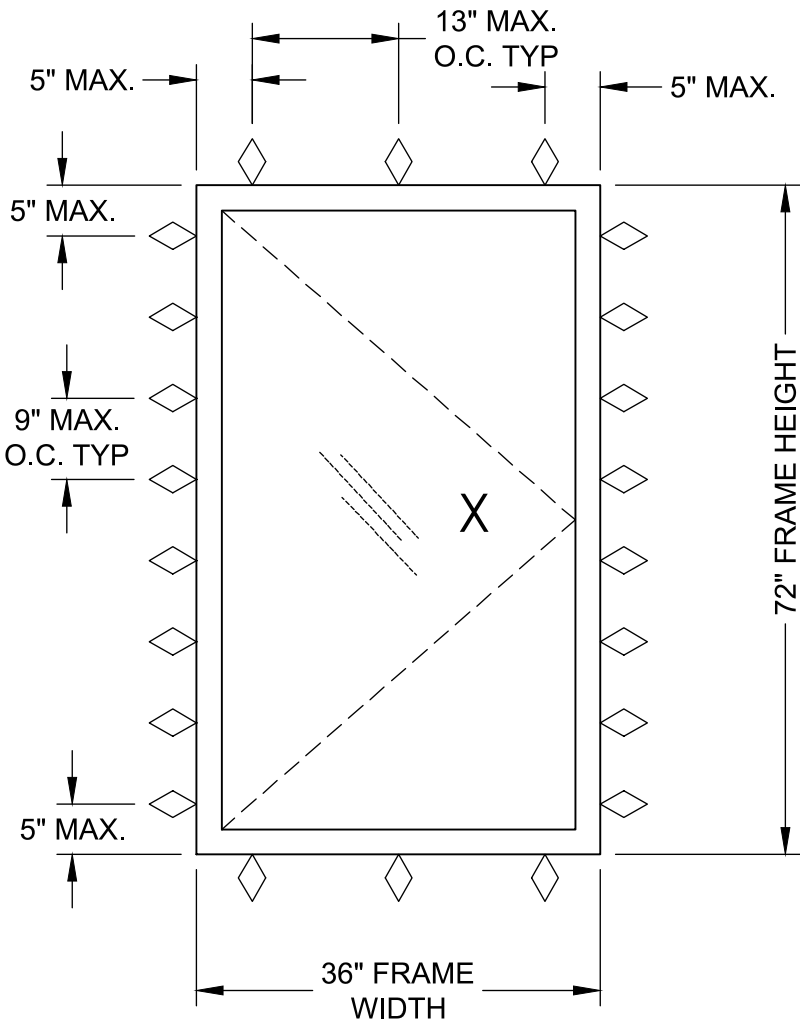
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ORLANDO, FL 32828

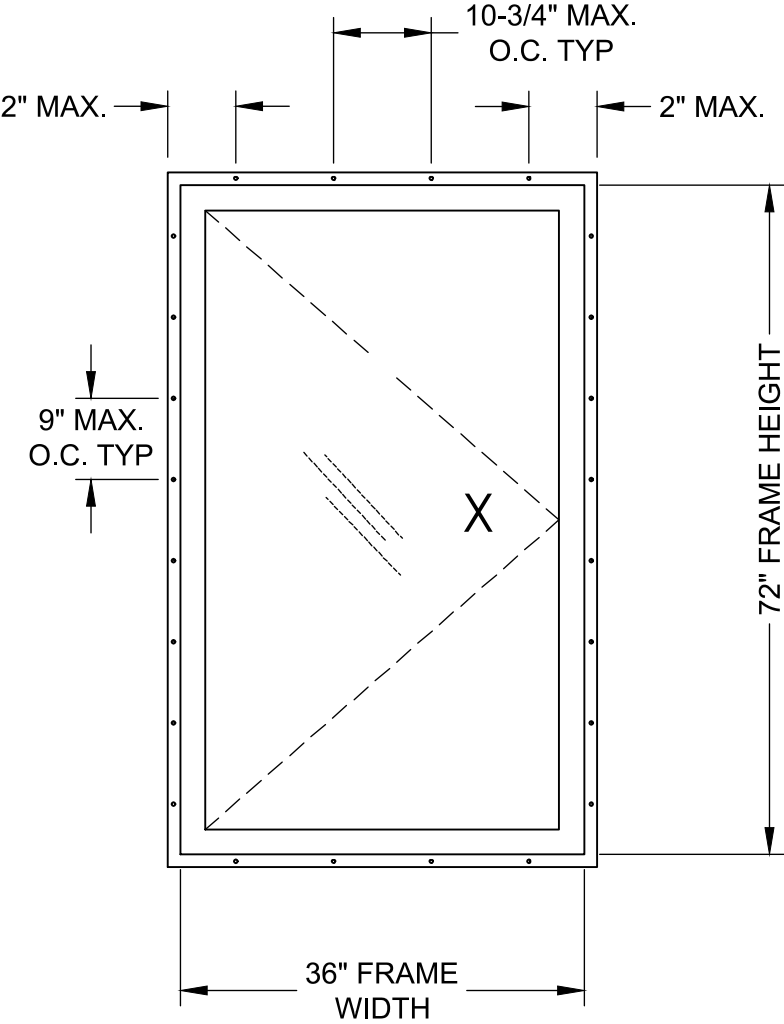
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SERIES 3000/3100 FIXED WINDOW
REPLACEMENT (RETROFIT) & NEW CONSTRUCTION
ELEVATIONS - ANCHORAGE LAYOUT

- NOTES:
- 1. LEFT-HAND OR RIGHT-HAND OPERATION APPROVED.
 - 2. DAYLIGHT OPENING (D.L.O.)
 - 2.1. 29-1/2" WIDTH
 - 2.2. 36-1/2" HEIGHT



ANCHOR LAYOUT
FLANGE/EQUAL LEG
FRAME INSTALLATION
CONCRETE, MASONRY, WOOD AND
STEEL STUD SUBSTRATE
SEE SHEET 3 FOR DETAILS

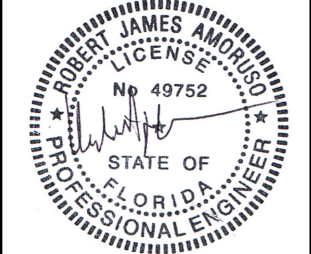


ANCHOR LAYOUT
NAILING FIN TYPE
FRAME INSTALLATION
WOOD SUBSTRATE ONLY
SEE SHEET 3 FOR DETAILS

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				DESCRIPTION

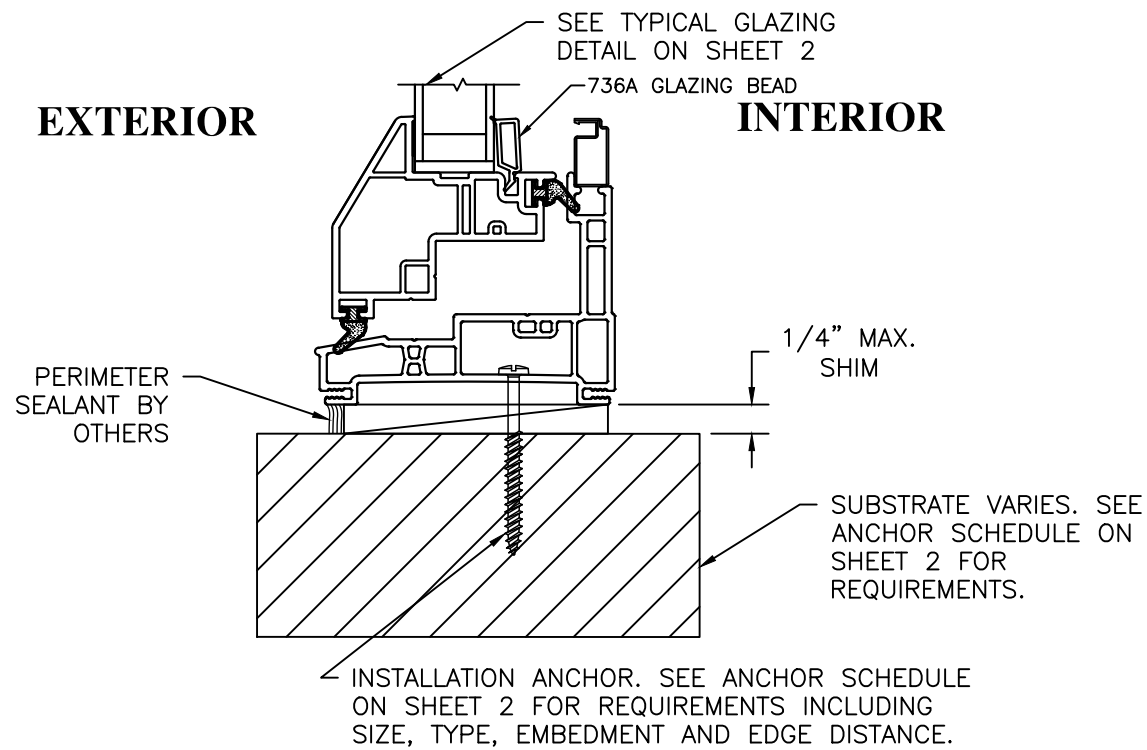
VENTANA USA 6001 ENTERPRISE DRIVE EXPORT, PA 15632		TITLE: SERIES 3000/3100 CASEMENT WINDOW - NI ELEVATIONS - ANCHORAGE LAYOUT	
 VENTANA	DRAWN BY: RJA	DATE: 6/22/18	
	SCALE: N.T.S.	DRAWING NO: ACE0002	
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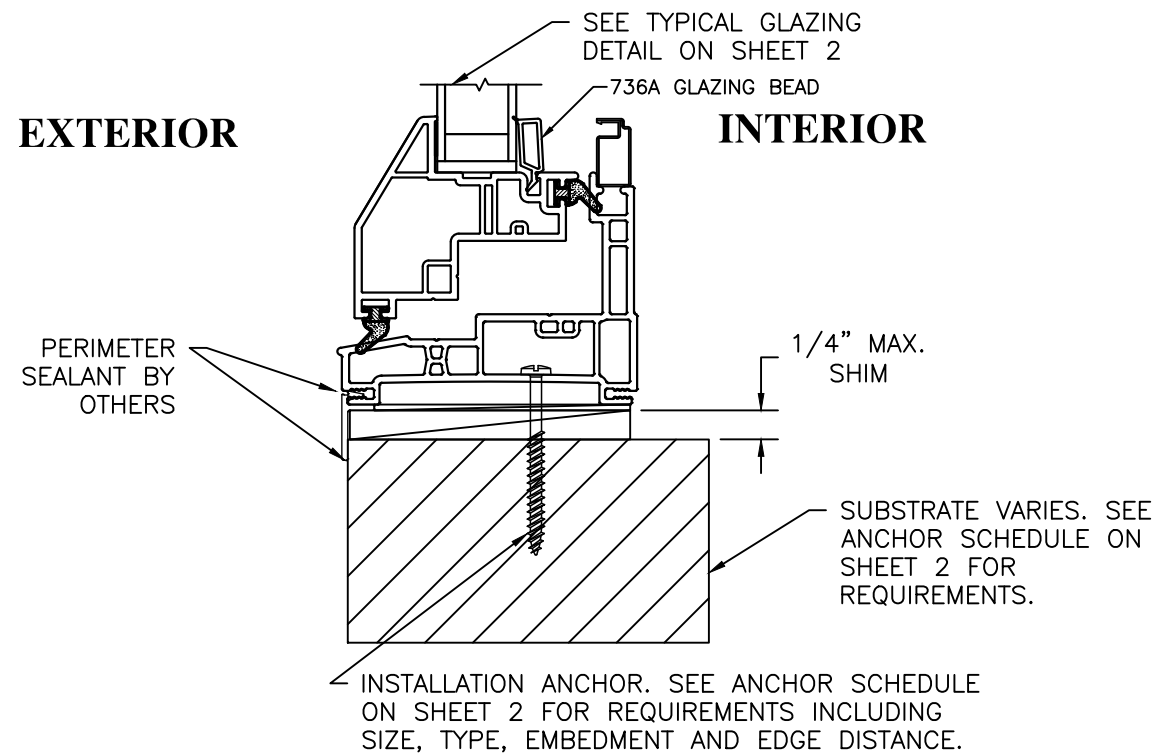


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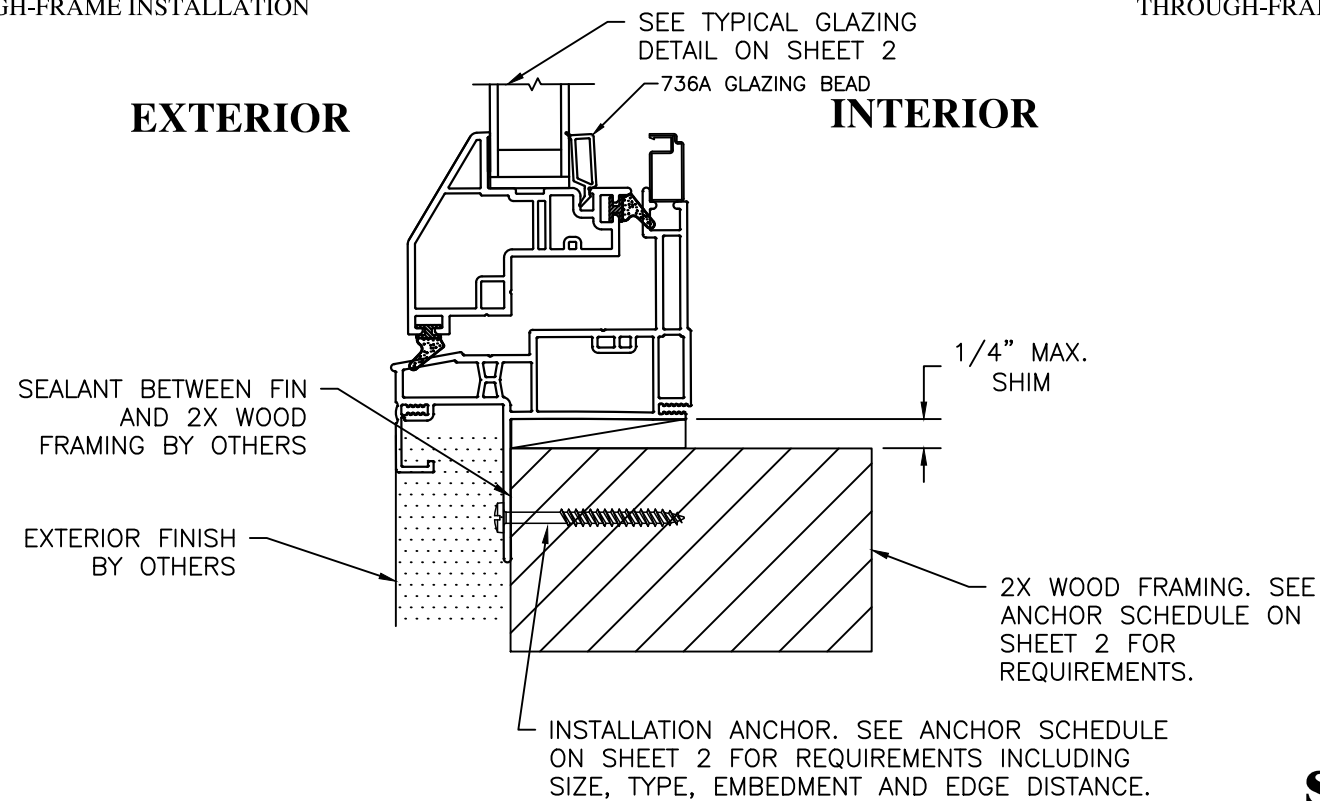
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**TYPICAL EQUAL LEG INSTALLATION AT
HEAD/SILL (SHOWN)/JAMB**
THROUGH-FRAME INSTALLATION



**TYPICAL FLANGE INSTALLATION AT
HEAD/SILL (SHOWN)/JAMB**
THROUGH-FRAME INSTALLATION



**TYPICAL FIN INSTALLATION AT
HEAD/SILL (SHOWN)/JAMB**
FIN-FRAME INSTALLATION

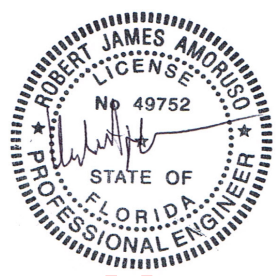
**SERIES 3000/3100 FIXED WINDOW
REPLACEMENT (RETROFIT) &
NEW CONSTRUCTION**

SECTIONS - ANCHORAGE INSTALLATION DETAILS

PROJECT NO. ACE-2018-110				DATE	BY

VENTANA USA 6001 ENTERPRISE DRIVE EXPORT, PA 15632		SERIES 3000/3100 CASEMENT WINDOW - NI SECTIONS - ANCHORAGE INSTALLATION DETAILS		DATE: 6/22/18		3 OF 5
DRAWN BY: RJA		SCALE: N.T.S.		DRAWING NO: ACE0002		
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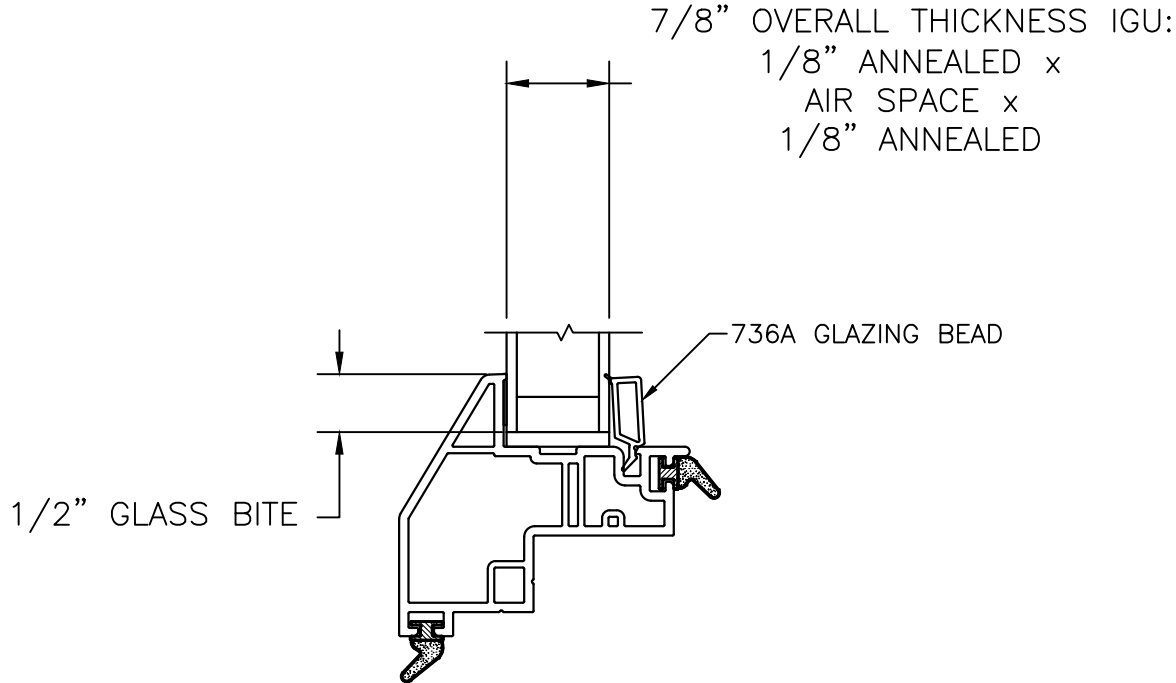
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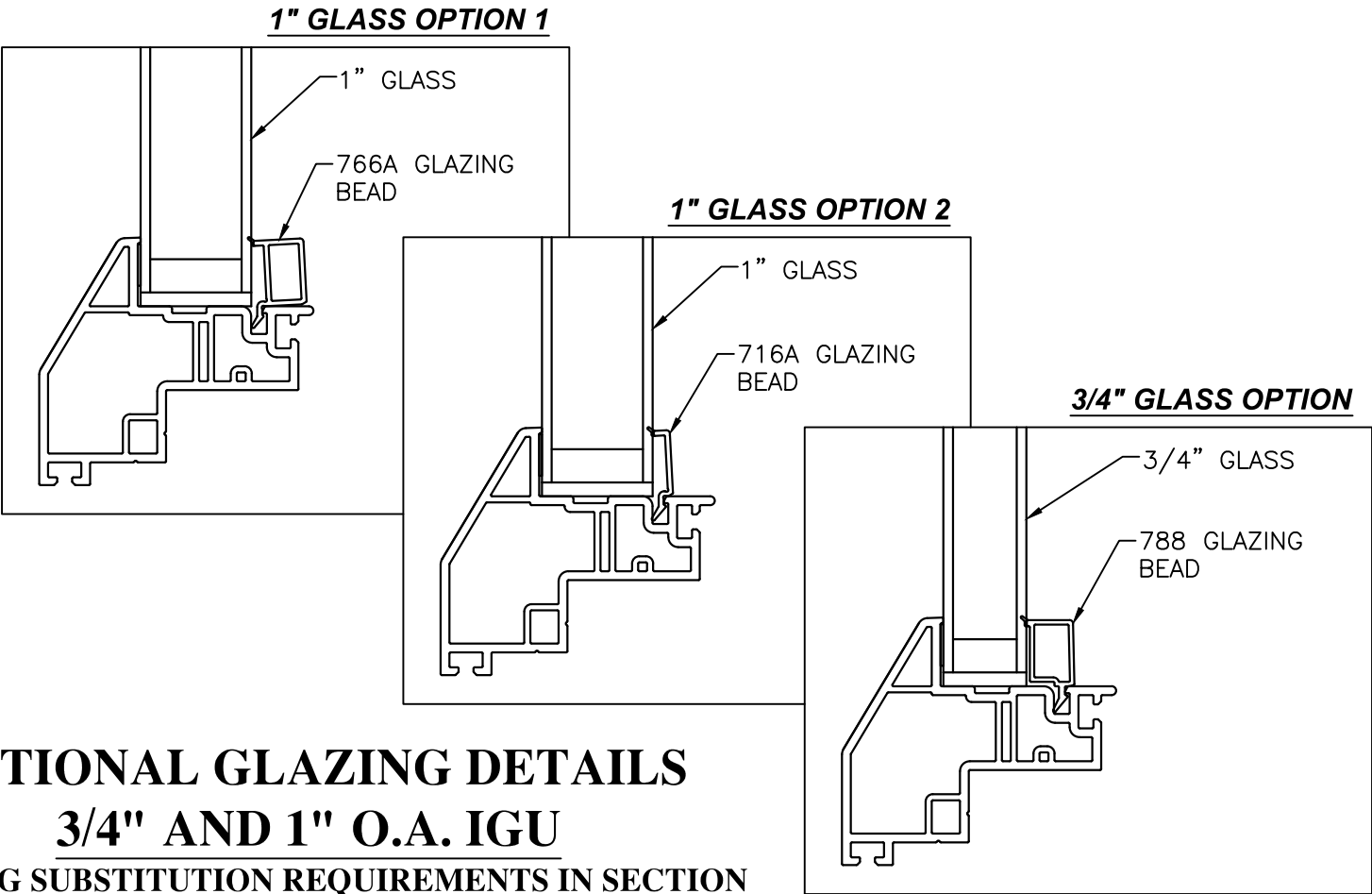
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SERIES 3000/3100 FIXED WINDOW
REPLACEMENT (RETROFIT) & NEW CONSTRUCTION
GLAZING DETAILS



GLAZING DETAIL
7/8" O.A. IGU

GLAZING METHOD
SET FROM THE INTERIOR
AGAINST A DOUBLE-SIDED
ADHESIVE TAPE, AND SECURED
WITH RIGID VINYL GLAZING
BEADS.



OPTIONAL GLAZING DETAILS
3/4" AND 1" O.A. IGU

GLAZING SUBSTITUTION REQUIREMENTS IN SECTION
6.2.3.4 OF AAMA/WDMA/CSA 101/L.S. 2/A440-08 SHALL BE
MET.

PROJECT NO. ACE-2018-110				DATE	BY

VENTANA USA 6001 ENTERPRISE DRIVE EXPORT, PA 15632	SERIES 3000/3100 CASEMENT WINDOW - NI GLAZING DETAILS	DRAWN BY:	RJA	DATE:	6/22/18
		SCALE:	N.T.S.	DRAWING NO.:	ACE0002
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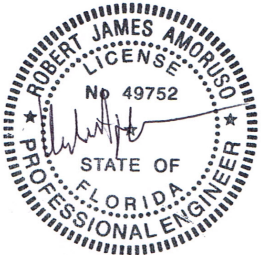
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BILL OF MATERIALS (BOM)			
ITEM	DESCRIPTION	PART NO.	MATERIAL/SOURCE
1	FRAME HEAD/SILL/JAMBS	755 (FIN) / 966 (FINLESS)	Chelsea
2	SASH	796	Chelsea
3	GLAZING BEAD - 3/4" IG	788	Chelsea
	GLAZING BEAD - 7/8" IG	736A	Chelsea
	GLAZING BEAD - 1" IG	766A OR 716A	Chelsea
4	INTERIOR/EXTERIOR FOAM SEAL		FOAM TITE #52047
5	FRAME SNUBBER (HEIGHT 30" AND OVER)		TRUTH #19169 #8 X 9/16" PH PAN HD, TYPE AB, SMS
6	SASH SNUBBER (HEIGHTS 30" AND OVER)		
7	SNUBBER SCREW		TRUTH #19169 #8 X 9/16" PH PAN HD, TYPE AB, SMS
8	CASEMENT BUMPER	753	CENTRAL PLASTICS
9	CASEMENT BUMPER SCREWS (THRU JAMB, INSTALLED)		#8 X 2-1/2" PH FLAT HD, TYPE AB, SMS
10	CASEMENT BUMPER SCREWS (THRU JAMB, BUILT)		#8 X 1" PH FLAT HD, TYPE AB, SMS
11	RAMP BLOCK		ASHLAND #11780
12	RAMP SCREW		#8 X 3/4" PH FLAT HD, TYPE AB, SMS
13	SILICONE GLASING SEALANT		DOW CORNING #1199
14	7/8" JAMB ADJUSTER		MERCHANT #10M507ASM
15	GLAZING BLOCK (7/8" X 2" X 1/8")		TREMCO #TR1008e W/ADHESIVE BACKING
HARDWARE			
ITEM	DESCRIPTION	QUANTITY	COMMENTS
Not Shown	LH08-7520-03 Hndl 44mm V Blue White	1	Optional Colors
	LH08-7520-08 Hndl 44mm V White		
	LH08-7520-26 Hndl 44mm V Almond		
	HG06-7564 14" Hinge Track H SS Left Hand	1	Optional Hand (Right or Left Hand)
	HG06-7565 14" Hinge Track H SS Right Hand		
	HG06-7550 10" hinge Arms Powder LH	1	Optional Hand (Right or Left Hand)
	HG06-7551 10" hinge Arms Powder RH		
	HG06-7562 10" Hinge Track SS Left Hand	1	Optional Hand (Right or Left Hand)
	HG06-7563 10" Hinge Track SS Right Hand		
	HG06-7554 14" Hinge Arms Powder LH	1	Optional Hand (Right or Left Hand)
	HG06-7555 14" Hinge Arms Powder RH		
	LB05-1003-51 G5 Striker 1003 Black	1	
	LB05-1015-29 G5 Guide Housing 1015 Stone	1	
	OP05-8000 Sash Brkt Assy 35mm Face Mount LH	1	
	OP05-8108 Track Assy 15"	1	
	OP06-7505-08 X Drive CRS RH Dual N White	1	Optional Hand (Right or Left Hand)
	OP06-7504-08 X Drive CRS LH Dual N White		
	OP06-7512-08 X Drive CRS LH Split N White	1	Optional Hand (Right or Left Hand)
	OP06-7513-08 X Drive CRS RH Split N White		
	OP06-7592-08 X Drive CRS Slider Awning White	1	
	SB01-2000 Compression Snubber CRS Stone	1	
	SR01-7500-50 Sash Lift White	1	
	OP05-8001 Sash Brkt Assy RH	1	

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				DATE
				DESCRIPTION
				REV

VENTANA USA 6001 ENTERPRISE DRIVE EXPORT, PA 15632		TITLE: SERIES 3000/3100 CASEMENT WINDOW - NI BILL OF MATERIALS	
DRAWN BY: RJA		DATE: 6/22/18	SHEET: 5 OF 5
SCALE: N.T.S.		DRAWING NO: ACE0002	
REV: ---			
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