

VENTANA USA
SERIES 4760 PICTURE WINDOW
NON-IMPACT / L.M. IMPACT

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 EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AND IS BASED ON TESTING CONDUCTED TO THE FOLLOWING. SEE GENERAL NOTES 6 & 8 REGARDING LIMITATIONS AND CONDITIONS OF USE RELATED THE GLAZING REQUIREMENTS FOR HVHZ AND NON-HVHZ USAGE,
1.1. HVHZ, IMPACT: TAS 201, TAS 202 & 203, TEST REPORT NO. NCTL-210-4076-01.
1.2. HVHZ, NON-IMPACT: TAS 202, TEST REPORT NO. NCTL-210-4076-02.
1.3. NON-HVHZ, IMPACT: AAMA/WDMA/CSA 101/I.S.2/A440, ASTM 1886/1996, TEST REPORT NO. NCTL-210-4076-01A.
1.4. NON-HVHZ, NON-IMPACT: AAMA/WDMA/CSA 101/I.S.2/A440, TEST REPORT NO. NCTL-210-4076-02A.
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 HARDNESS. A MINIMUM OF TWO (2) SETTING BLOCKS ARE REQUIRED IN THE HVHZ WHEN GLAZING WIDTH EXCEEDS 3 FEET.
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 BE AS FOLLOWS:
6.1. THE IMPACT GLAZED PRODUCT (GLAZING DETAILS 1 & 2) DOES NOT REQUIRE AN IMPACT PROTECTIVE SYSTEM IF USED IN A WINDBORNE DEBRIS REGION.
6.2. THE NON-IMPACT GLAZED PRODUCT (GLAZING DETAILS 3 & 4) REQUIRES THE USE OF AN IMPACT PROTECTION DEVICE IF USED IN A WINDBORNE DEBRIS REGION.
7. MATERIALS:
7.1. FRAME: RIGID VINYL
8. GLAZING:
8.1. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1..
8.2. SEE GLAZING DETAILS ON SHEET 8 OF 8
8.3. GLASS SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE.
8.3.1. GLAZING DETAIL 2 & 4 (TEMPERED EXTERIOR MONOLITHIC LITE) SHALL BE USED WHEN THE PRODUCT IS INSTALLED IN HVHZ LOCATIONS.
8.3.2. GLAZING DETAIL 1 & 3 (ANNEALED EXTERIOR MONOLITHIC LITE) SHALL BE USED WHEN THE PRODUCT IS INSTALLED IN NON-HVHZ LOCATIONS.
8.3.3. OPTIONALLY, GLAZING DETAIL 2 & 4 CAN BE USED WHEN THE PRODUCT IS INSTALLED IN NON-HVHZ LOCATIONS.
8.4. INTERLAYER: KURARAY AMERICA TROSIFOL PVB PER CURRENT MIAMI DADE NOTICE OF ACCEPTANCE (N.O.A.)

9. PANEL OPERABILITY DESIGNATIONS:
9.1. WINDOW IS AN INOPERABLE (FIXED) PANEL.

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7	CROSS SECTIONS & COMPONENTS
8	BILL OF MATERIALS & GLAZING DETAIL

ANCHOR 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 INTO MASONRY/CONCRETE USE 1/4" ITW ADVANCED THREADFORM 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 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.
3.2. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE NO. 10 WOOD SCREWS PER (ANSI B18.6.1) WITH MINIMUM GRADE 2 STRENGTH AND WITH SUFFICIENT LENGTH TO ACHIEVE 1-3/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 3/4" MINIMUM EDGE DISTANCE. NO. 10 WOOD SCREWS SHALL BE EITHER OF THE FOLLOWING HEAD TYPES:
3.2.1. NO. 10 PAN-WASHER HEAD
3.2.2. NO. 10 PAN HEAD WITH NO. 10 TYPE A PLAIN WASHER
3.3. FOR ANCHORING TROUGH FIN FRAME INTO WOOD FRAMING USE NO. 8 D RING SHANK ROOFING NAIL WITH SHANK DIAMETER OF 0.131" AND HEAD DIAMETER OF 7/16" AND WITH SUFFICIENT LENGTH TO ACHIEVE 1-3/8" MINIMUM EMBEDMENT INTO SUBSTRATE.
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) AND 0.55 (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).

VENTANA USA
6001 ENTERPRISE DRIVE
EXPORT PA 15632-8969

SERIES 4760 VINYL PICTURE WINDOW
L.M. IMPACT / NON-IMPACT
GENERAL NOTES

DRAWN:
RJA

DWG NO.
NL-0091

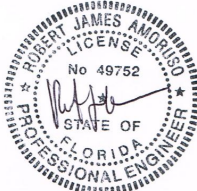
REV
2

SCALE NTS

DATE 08/16/2023

SHEET 1 OF 8

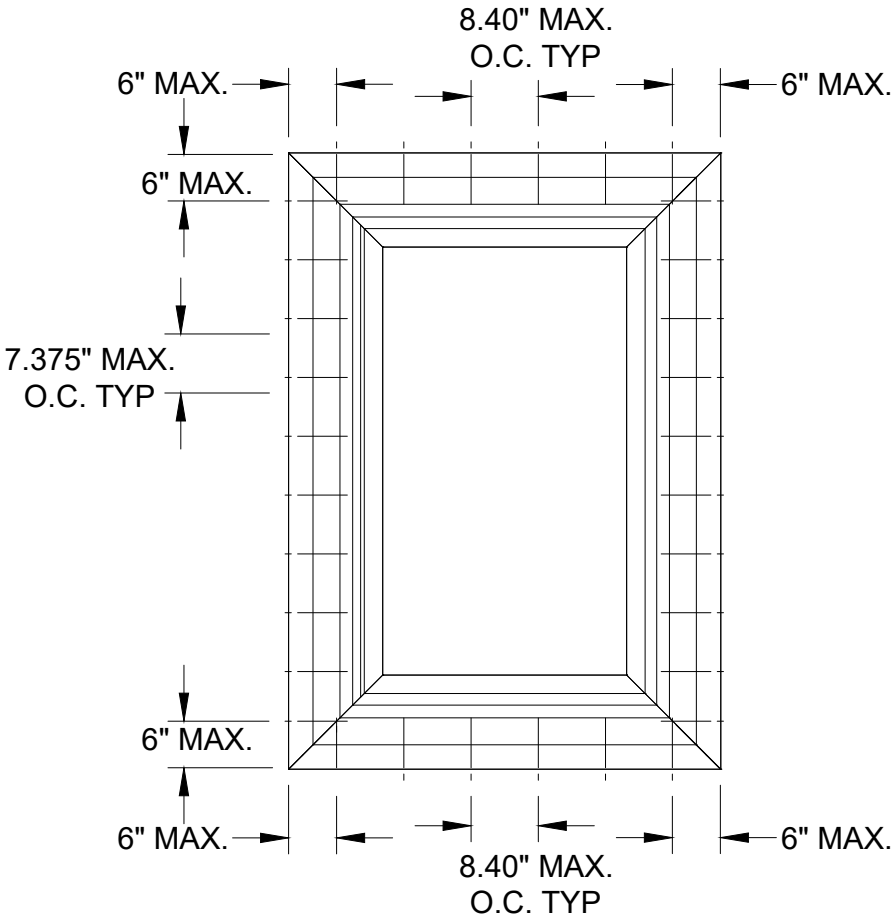
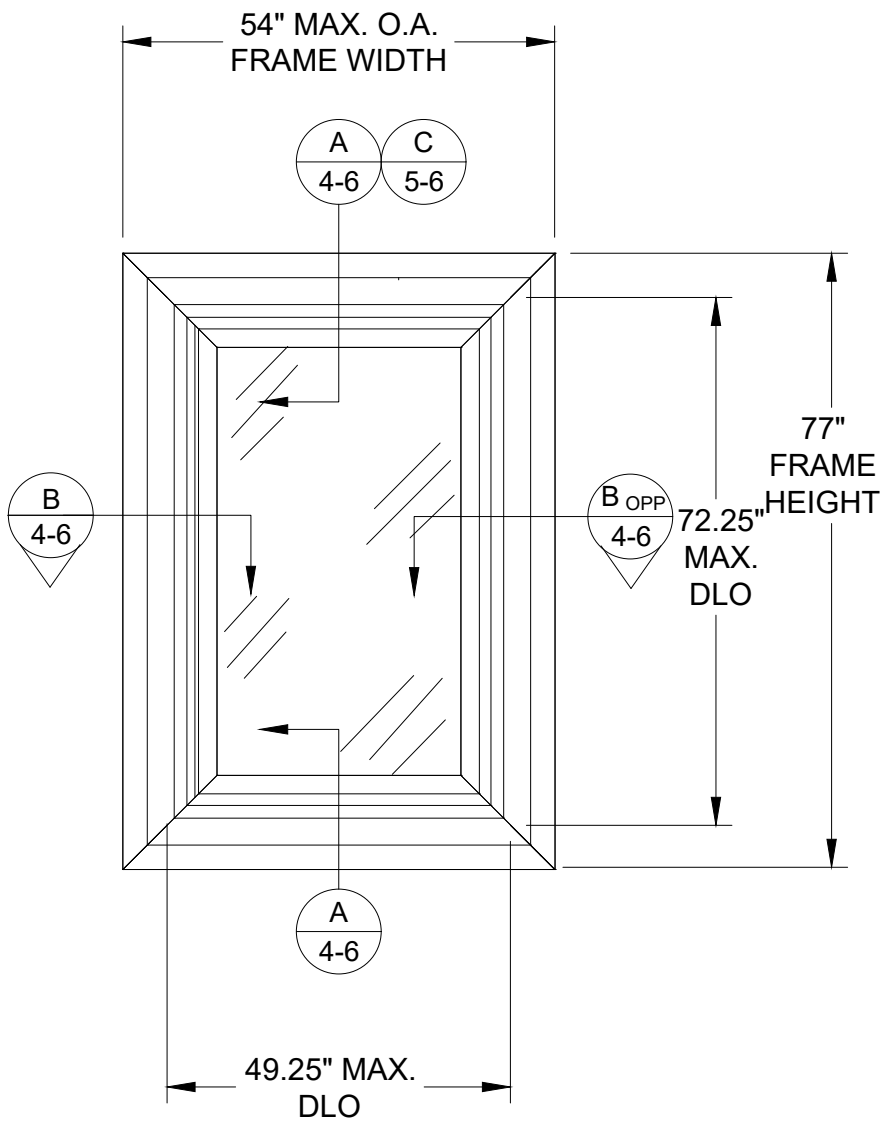
ROBERT J. AMORUSO
FL. P.E. NO. 49752



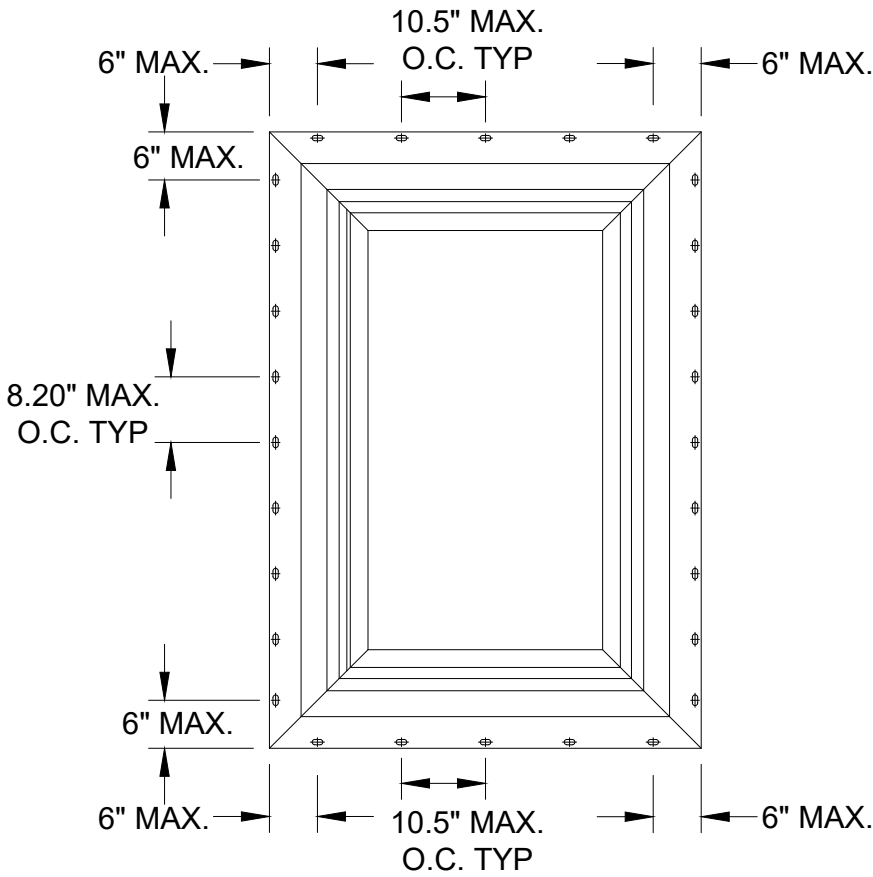
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



ANCHOR LAYOUT
FLANGE/EQUAL
FRAME INSTALLATION



ANCHOR LAYOUT
NAILING FIN TYPE
FRAME INSTALLATION

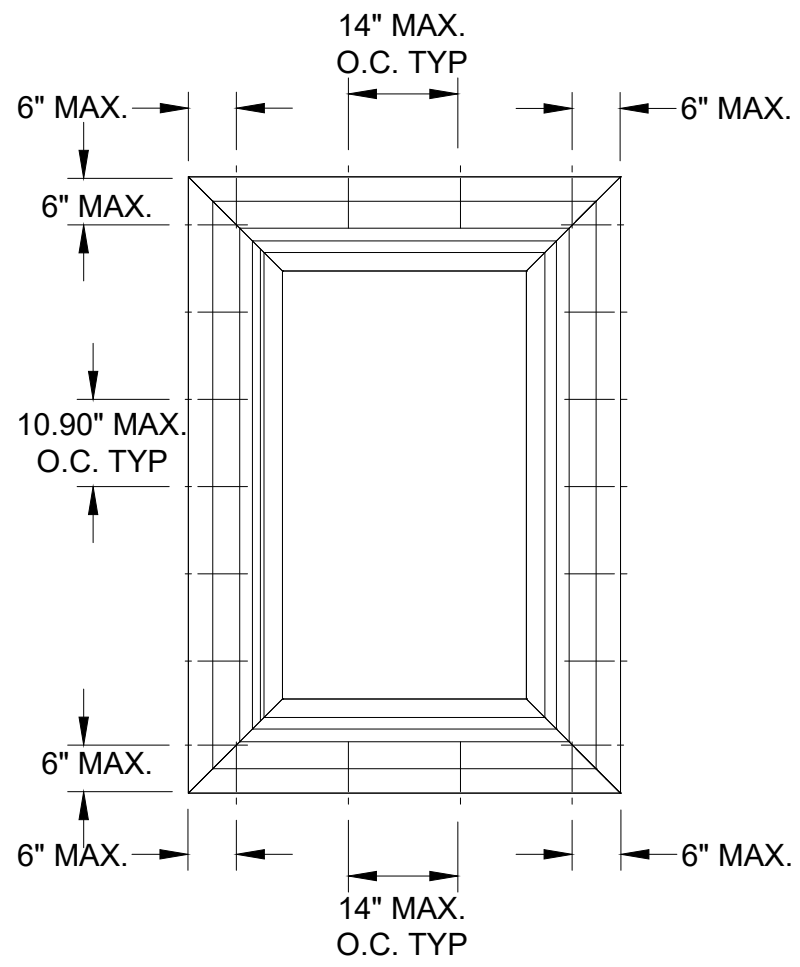
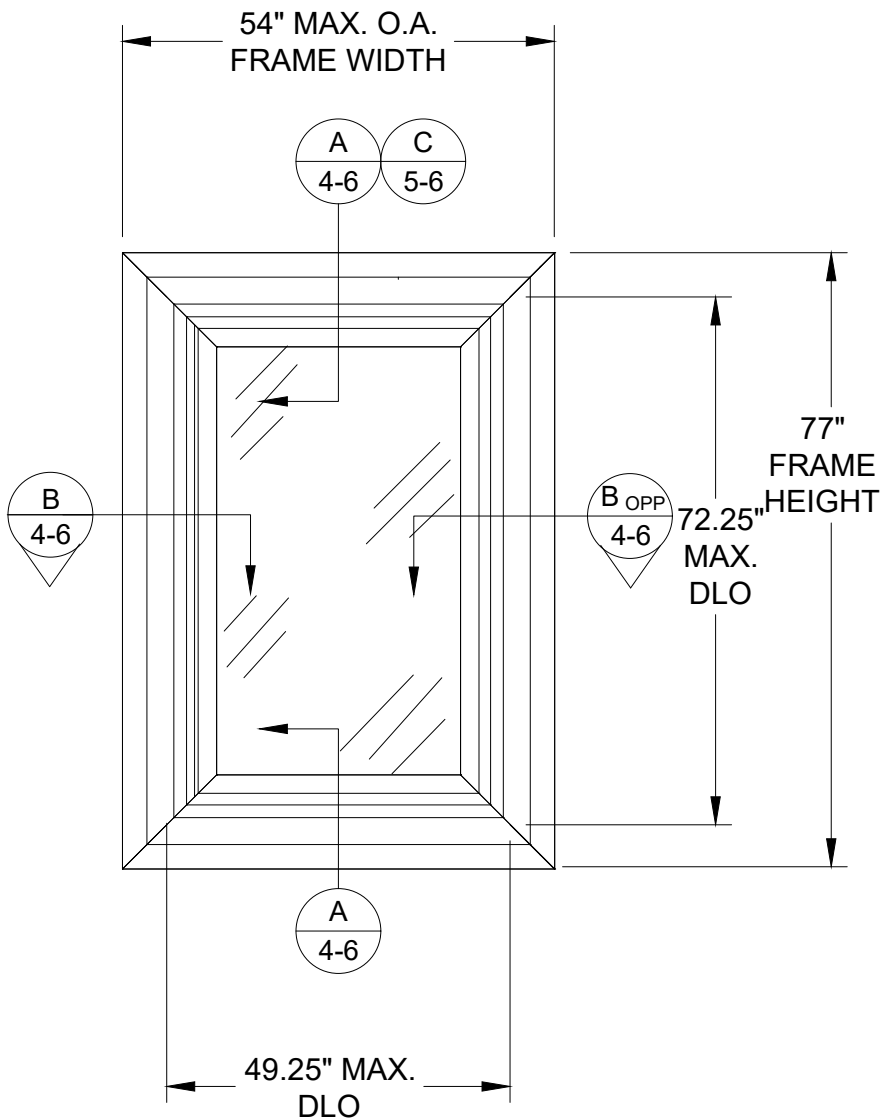
DESIGN PRESSURE RATING (PSF)		
NON-IMPACT RATING		
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF)	QUALIFIED CONFIGURATION
54" X 77"	+/- 80.0	O
SEE GLAZING DETAIL 3 & 4 ON SHT. 8		

ANCHORAGE INSTALLATION REQUIREMENTS TO MEET DESIGN PRESSURE OF +/-80 PSF

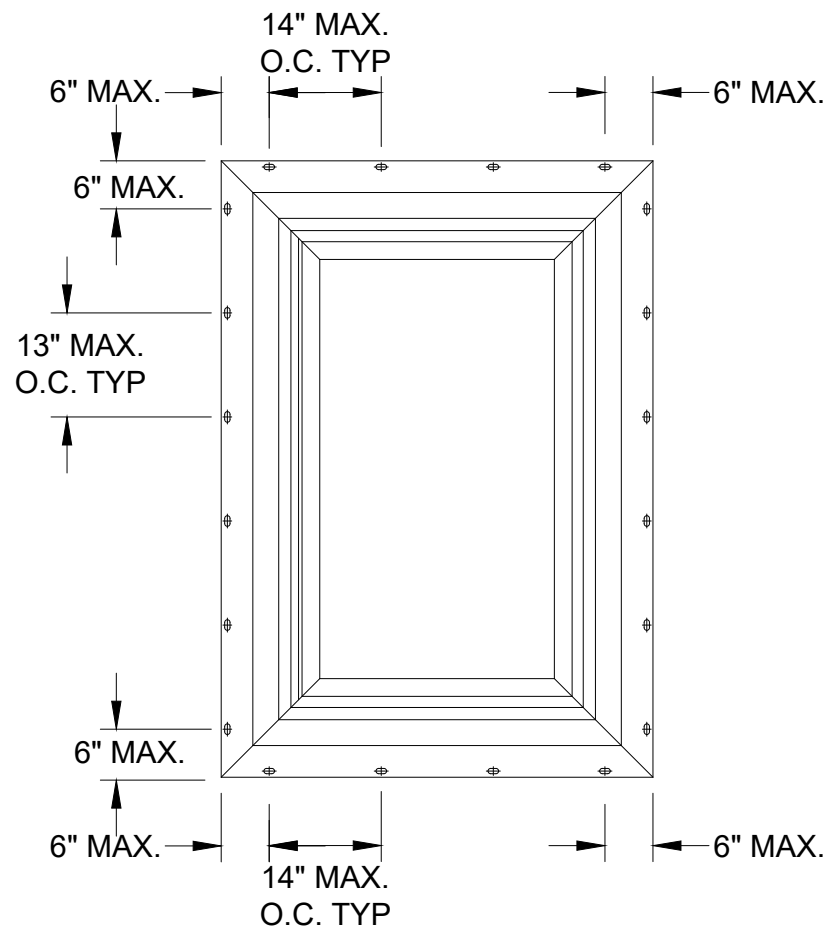
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SERIES 4760 VINYL PICTURE WINDOW L.M. IMPACT / NON-IMPACT ANCHOR ELEVATION & LAYOUTS		
DRAWN: RJA	DWG NO. NL-0091	REV 2
SCALE NTS	DATE 08/16/2023	SHEET 2 OF 8

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 FL. P.E. NO. 49752

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 734 S CENTER ST.
 ORMOND BEACH, FL 32174
 RJAENGPE@GMAIL.COM



ANCHOR LAYOUT
FLANGE/EQUAL
FRAME INSTALLATION



ANCHOR LAYOUT
NAILING FIN TYPE
FRAME INSTALLATION

DESIGN PRESSURE RATING (PSF)		
LARGE MISSILE RATING		
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF)	QUALIFIED CONFIGURATION
54" X 77"	+/- 50.0	O
SEE GLAZING DETAIL 1 & 2 ON SHT. 8		

MISSILE LEVEL D, WINDZONE 4 & HVHZ

ANCHORAGE INSTALLATION REQUIREMENTS TO MEET
DESIGN PRESSURE OF +/-50 PSF

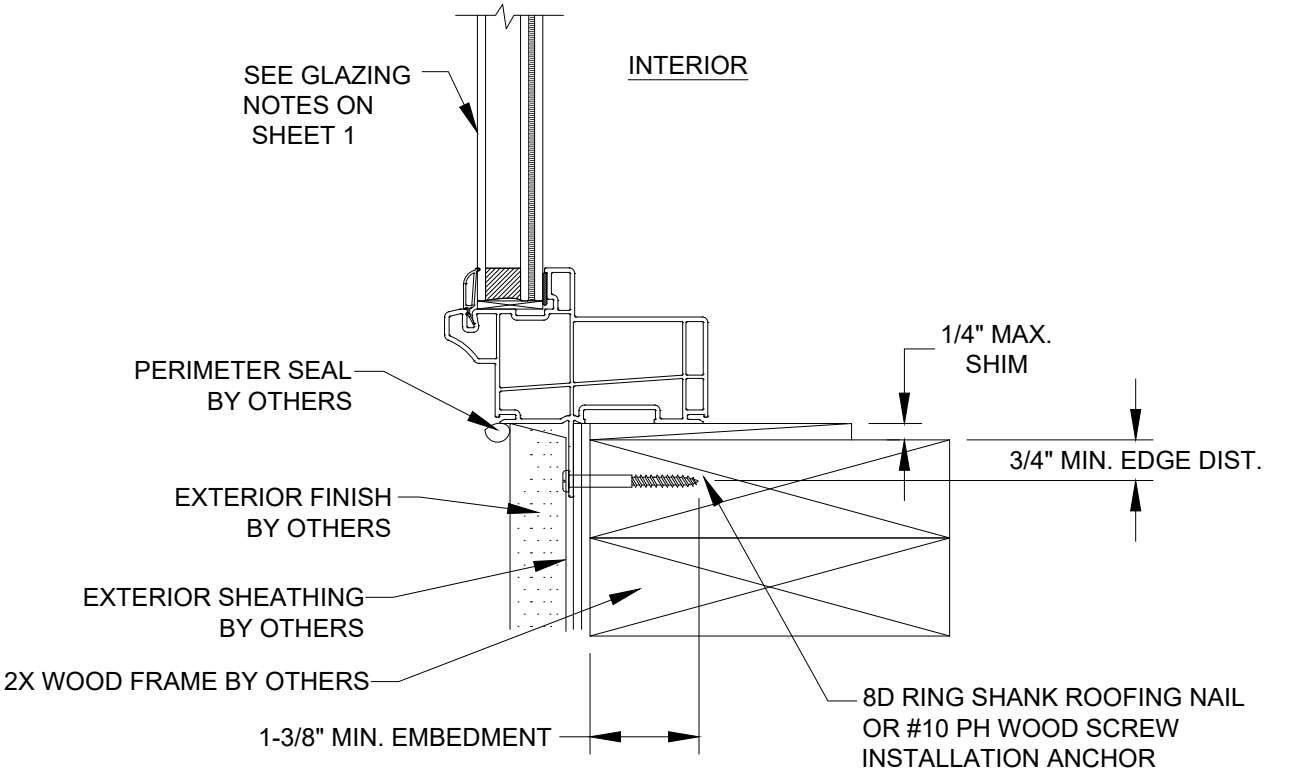
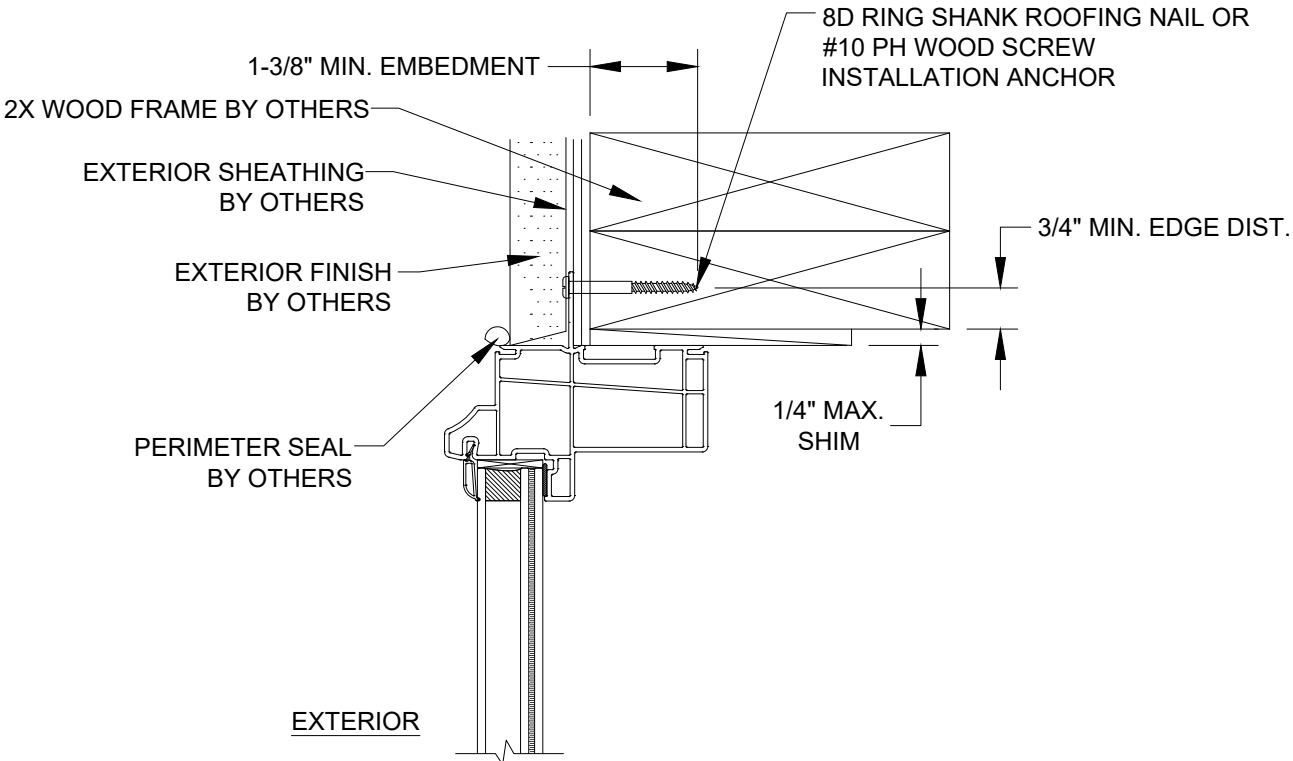
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SCALE NTS	DATE 08/16/2023	SHEET 3 OF 8

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FL. P.E. NO. 49752

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Robert J Amoruso
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ORMOND BEACH, FL 32174
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A
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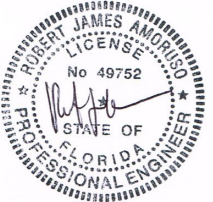
VERTICAL SECTION
NAIL FIN FRAME TYPE
2X WOOD FRAME SUBSTRATE

B
4

HORIZONTAL SECTION
NAIL FIN FRAME TYPE
2X WOOD FRAME SUBSTRATE

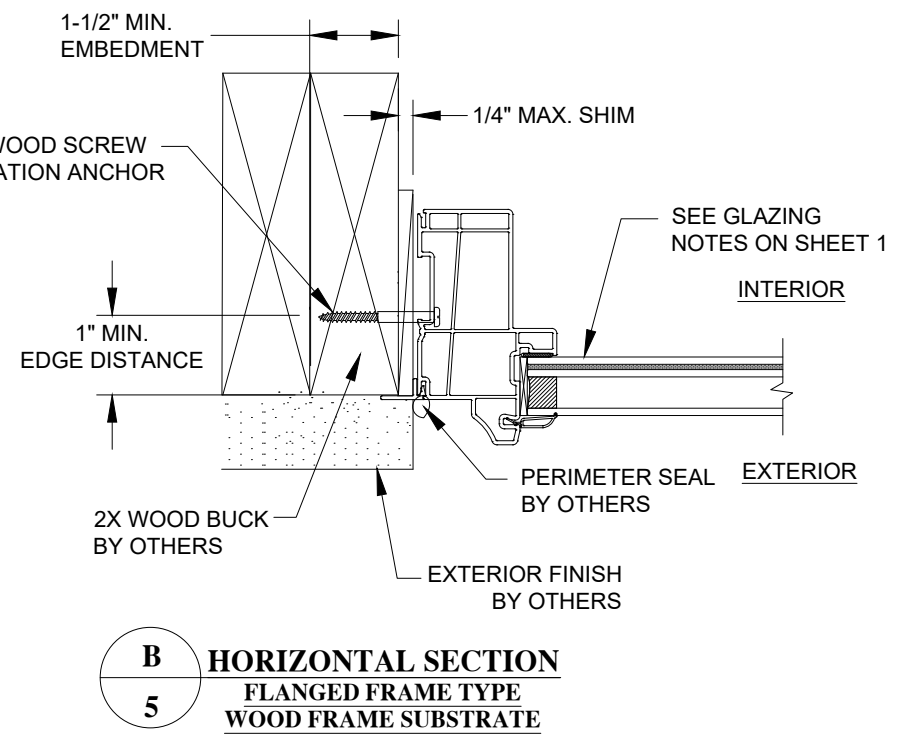
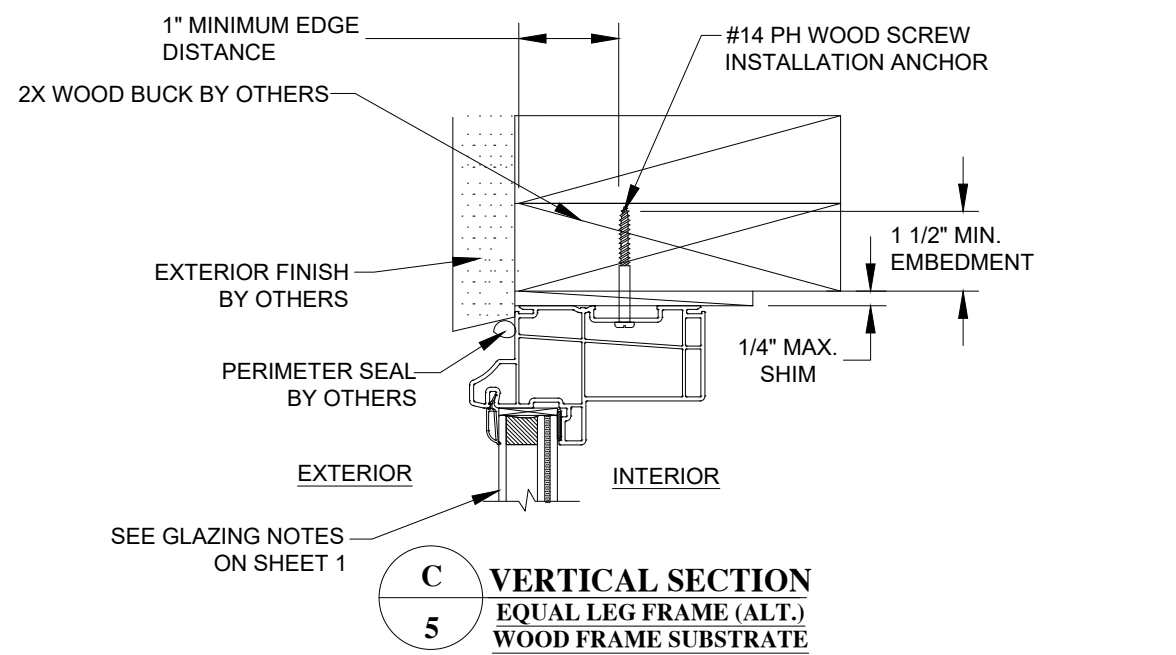
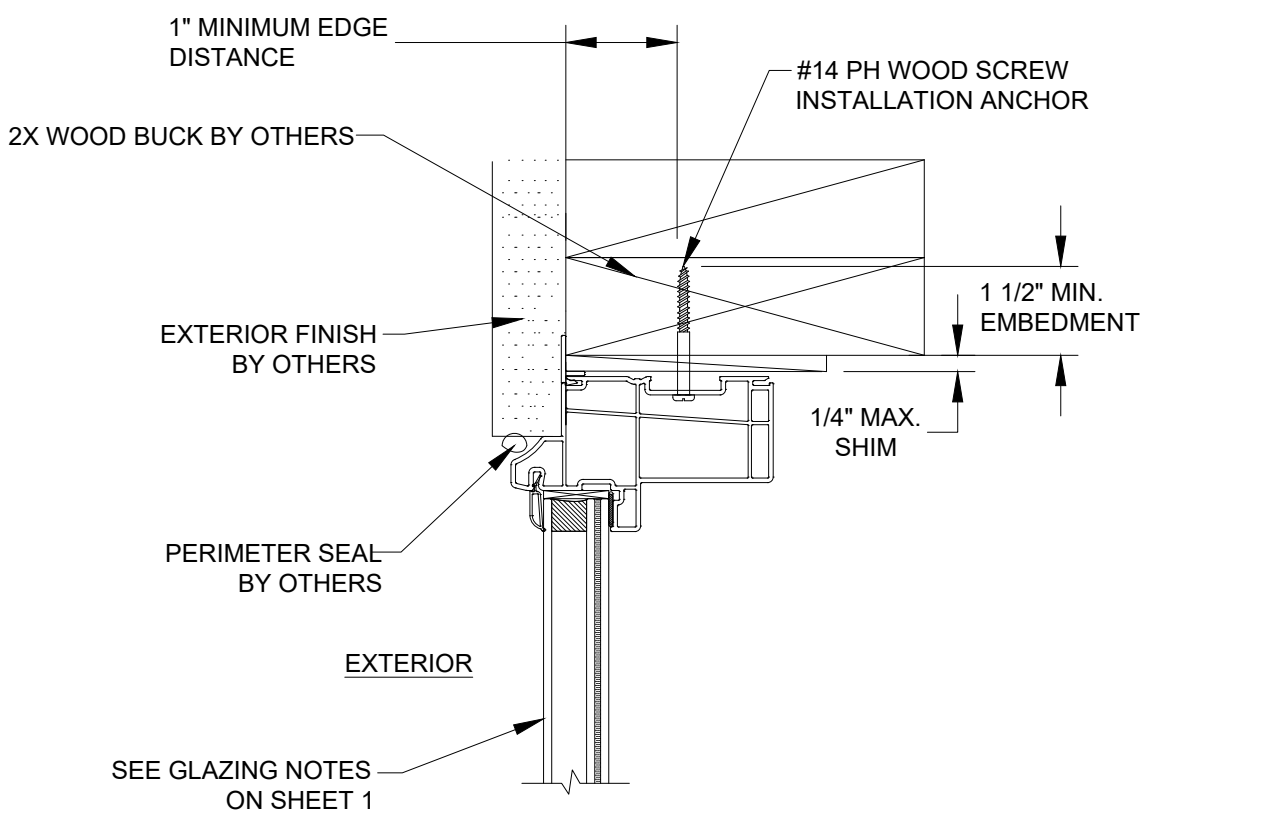
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SCALE NTS	DATE 08/16/2023	SHEET 4 OF 8

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FL. P.E. NO. 49752



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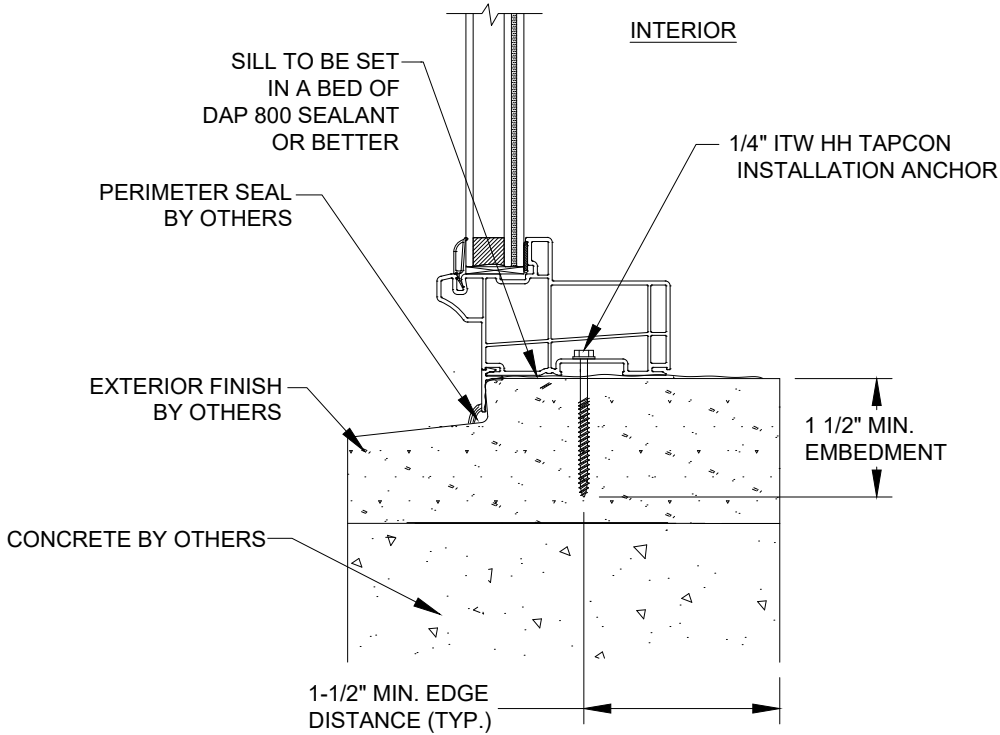
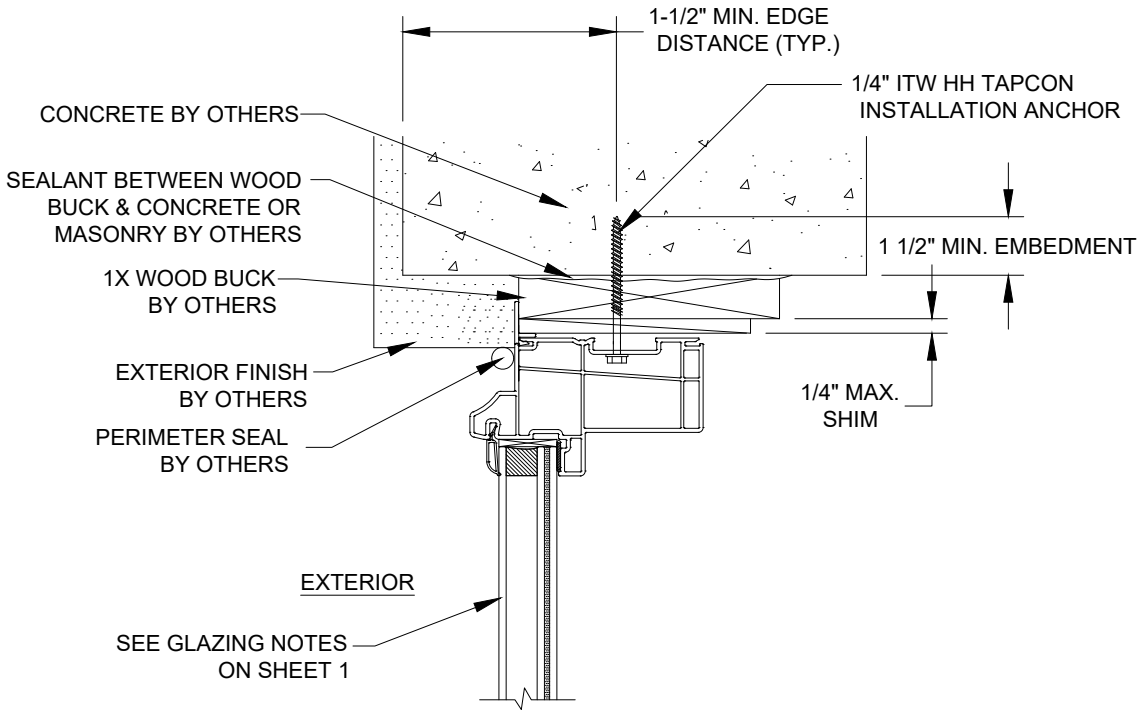
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DRAWN: RJA	DWG NO. NL-0091	REV 2
SCALE NTS	DATE 08/16/2023	SHEET 5 OF 8

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FL. P.E. NO. 49752

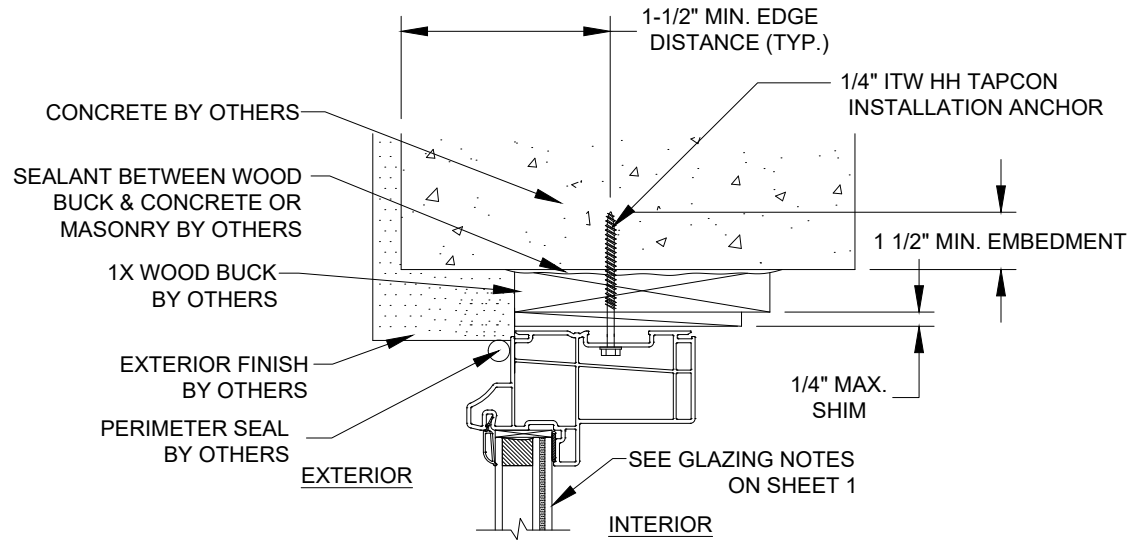
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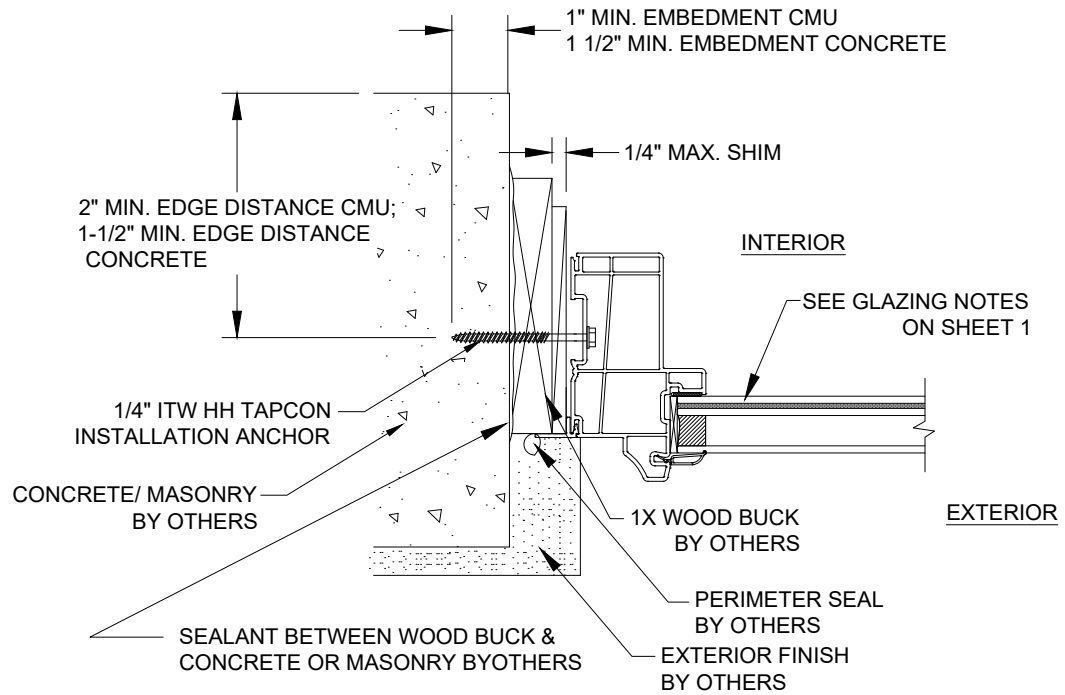
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A
6 VERTICAL SECTION
FLANGED FRAME TYPE
CONCRETE SUBSTRATE



C
6 VERTICAL SECTION
EQUAL LEG FRAME (ALT.)
CONCRETE SUBSTRATE



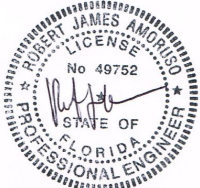
B
6 HORIZONTAL SECTION
FLANGED FRAME TYPE
MASONRY/CONCRETE SUBSTRATE

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SERIES 4760 VINYL PICTURE WINDOW
L.M. IMPACT / NON-IMPACT
INSTALLATION-CONCRETE/MASONRY

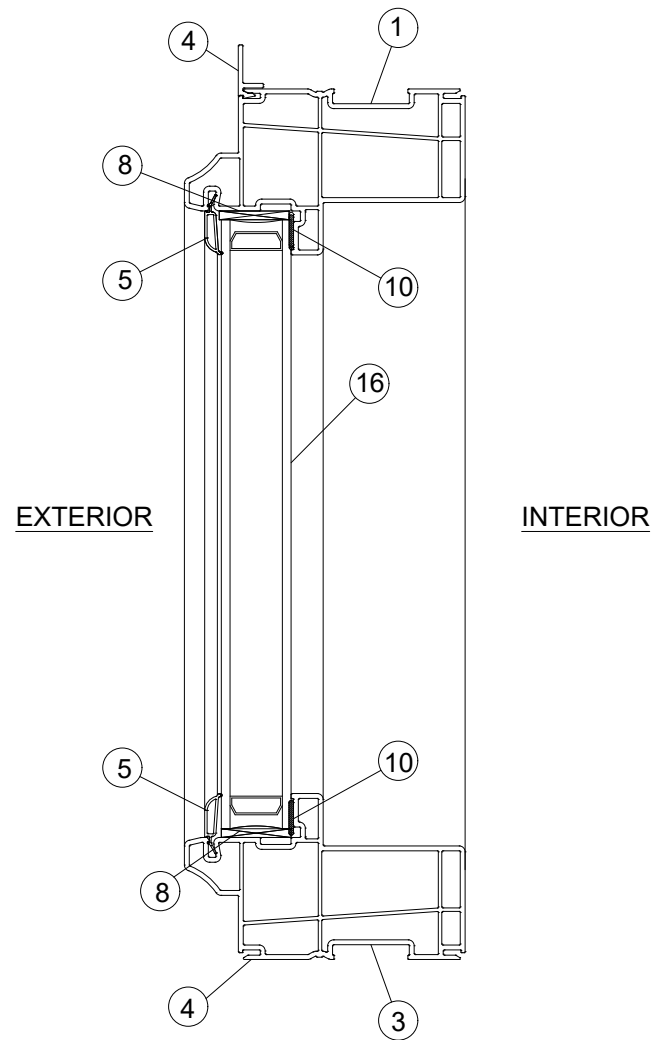
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SCALE NTS	DATE 08/16/2023	SHEET 6 OF 8

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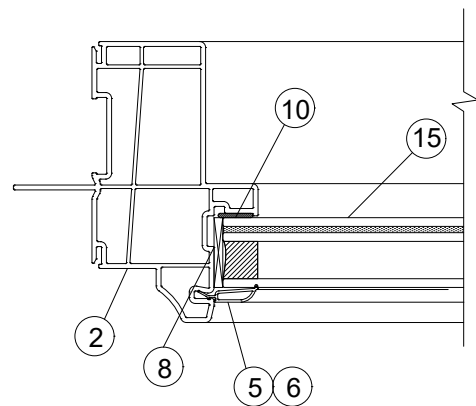


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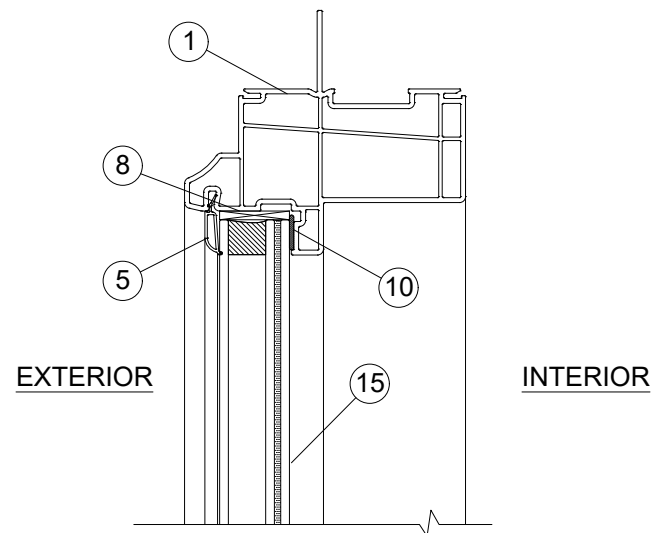
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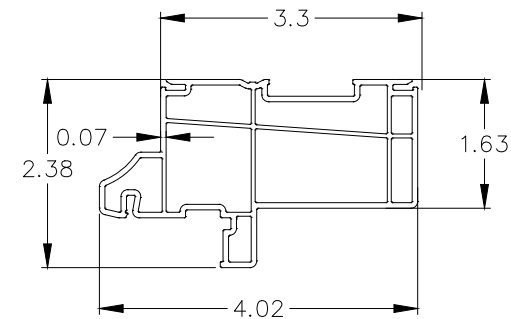
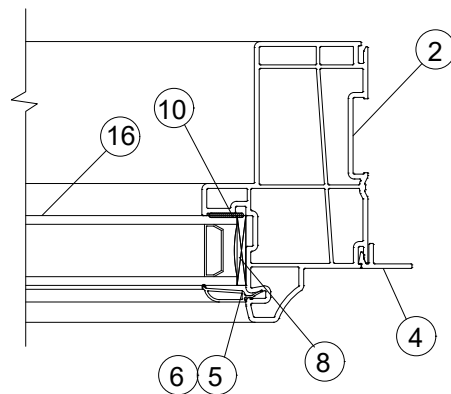
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SECTION FOR PARTS
IDENTIFICATION
FLANGED FRAME**



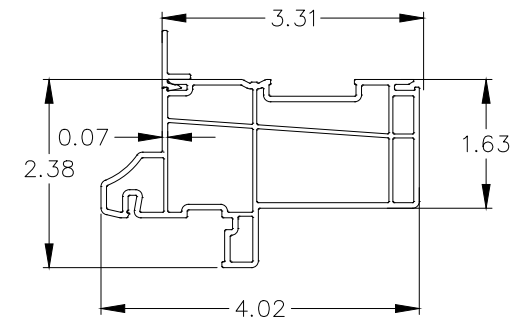
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IDENTIFICATION
FLANGED/NAIL FIN**



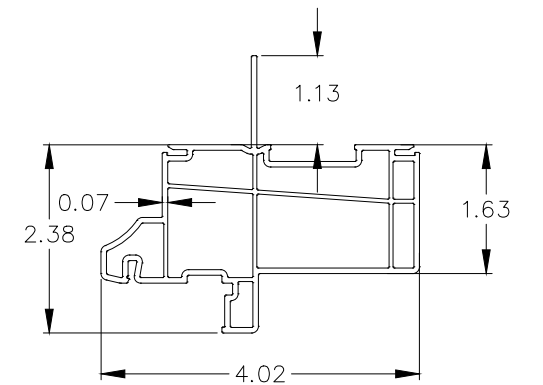
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IDENTIFICATION
NAILING FIN**



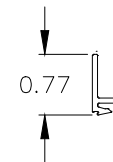
1-3 10004760 MAIN FRAME
EQUAL LEG RIGID VINYL



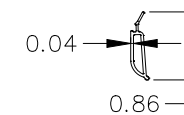
1-3 10004760 MAIN FRAME
FLANGED RIGID VINYL



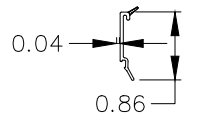
1-3 10004760 MAIN FRAME
FIN RIGID VINYL



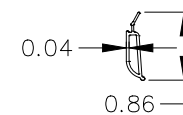
4 FLANGE ADAPTOR
RIGID VINYL



5 10005465 GLAZING BEAD
RIGID VINYL



6 10005144 GLAZING BEAD
RIGID VINYL



7 10005457 GLAZING BEAD
RIGID VINYL

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SERIES 4760 VINYL PICTURE WINDOW
L.M. IMPACT / NON-IMPACT
CROSS SECTIONS & COMPONENTS

DRAWN:
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REV
2

SCALE NTS

DATE 08/16/2023

SHEET 7 OF 8

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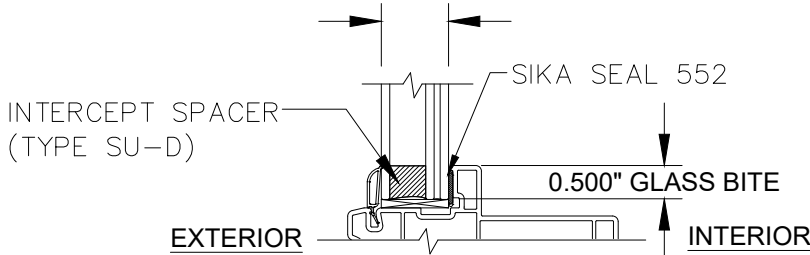
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REV	DESCRIPTION	DATE	APPROVED

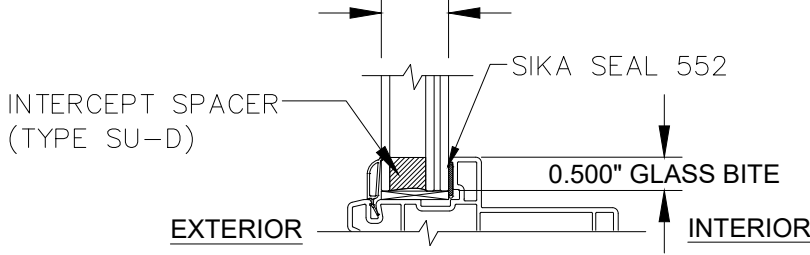
QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	10004760	MAIN FRAME HEAD, RIGID VINYL	DECEUNINCK
2	10004760	MAIN FRAME JAMB, RIGID VINYL	DECEUNINCK
3	10004760	MAIN FRAME SILL, RIGID VINYL	DECEUNINCK
4	-----	FLANGE ADAPTOR, RIGID VINYL	DECEUNINCK
5	10005465	1" I.G. LAMINATED GLAZING BEAD, RIGID VINYL	DECEUNINCK
6	10005144	1" I.G. LAMINATED GLAZING BEAD, RIGID VINYL	DECEUNINCK
7	10005457	7/8" I.G. GLAZING BEAD	DECEUNINCK
8	-----	EPDM SETTING BLOCKS	TREMCO
9	900-003	WEEP COVER, PLASTIC	CR LAWRENCE
10	552	SIKAFLEX 552, GLAZING SEALANT	SIKA
11	PURCHASE	#10 PH WOOD SCREW	-----
12	PURCHASE	#8 D RING SHANK ROOFING NAIL	-----
13	PURCHASE	#14 PH WOOD SCREW	-----
14	PURCHASE	1/4" DIAM. I.T.W. MASONRY ANCHOR	-----
15	PURCHASE	SEE GLAZING DETAILS 1 AND 2	-----
16	PURCHASE	SEE GLAZING DETAILS 3 AND 4	-----

1.00" O.A. INSULATED GLASS CONSISTING OF:
EXT. 3/16" ANN. GLASS,/ AIR-SPACER / 1/8" ANN. GLASS / 0.090"
TROSIFOL PVB KURARAY / 1/8" ANN. GLASS INT.



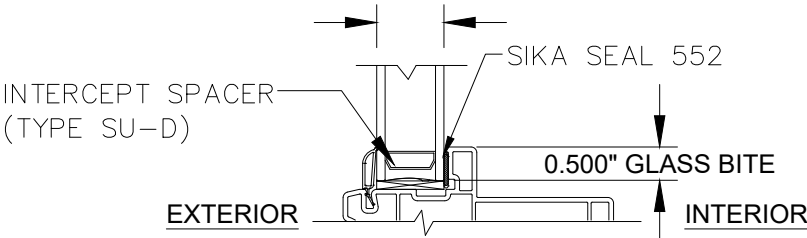
GLAZING DETAIL 1
NON-HVHZ ONLY
(SEE GENERAL NOTE 5 REGARDING SETTING BLOCKS)

1.00" O.A. INSULATED GLASS CONSISTING OF:
EXT. 3/16" TEMP. GLASS,/ AIR-SPACER / 1/8" ANN. GLASS / 0.090"
TROSIFOL PVB KURARAY / 1/8" ANN. GLASS INT.



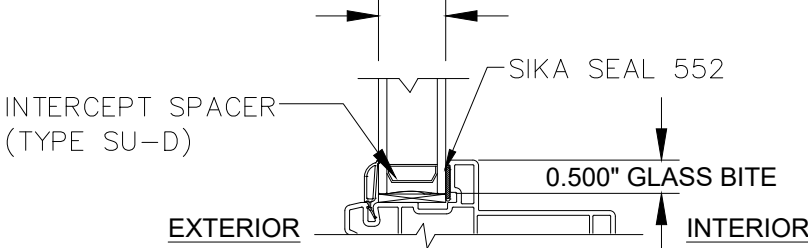
GLAZING DETAIL 2
HVHZ (REQUIRED) AND
NON-HVHZ (OPTIONAL)
(SEE GENERAL NOTE 5 REGARDING SETTING BLOCKS)

0.875" O.A. INSULATED GLASS CONSISTING OF:
EXT. 3/16" ANN. GLASS,/ AIR-SPACER / 3/16" ANN. GLASS INT.



GLAZING DETAIL 3
NON-HVHZ ONLY
(SEE GENERAL NOTE 5 REGARDING SETTING BLOCKS)

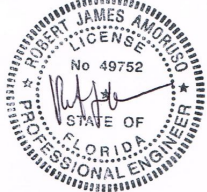
0.875" O.A. INSULATED GLASS CONSISTING OF:
EXT. 3/16" TEMP. GLASS,/ AIR-SPACER / 3/16" ANN. GLASS INT.



GLAZING DETAIL 4
HVHZ (REQUIRED) AND
NON-HVHZ (OPTIONAL)
(SEE GENERAL NOTE 5 REGARDING SETTING BLOCKS)

VENTANA USA 6001 ENTERPRISE DRIVE EXPORT PA 15632-8969		
SERIES 4760 VINYL PICTURE WINDOW L.M. IMPACT / NON-IMPACT B.O.M. AND GLAZING DETAILS		
DRAWN: RJA	DWG NO. NL-0091	REV 2
SCALE NTS	DATE 08/16/2023	SHEET 8 OF 8

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RJAENGPE@GMAIL.COM