

UNILUX GmbH

SERIES KUDK ISOSTAR TILT/TURN

VINYL WINDOW NON-IMPACT

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

GENERAL NOTES:

- 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/A440-11 DOCUMENTED IN TEST REPORT NO'S. NCTL-210-4123-07.
- 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.
- 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.
- 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.
- 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.
- 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:
 - THE NON-IMPACT GLAZED PRODUCT REQUIRES THE USE OF AN IMPACT PROTECTION DEVICE IF USED IN A WINDBORNE DEBRIS REGION.
- MATERIALS:
 - FRAME: VINYL / RIGID PVC
- GLAZING:
 - GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e01.
 - SEE GLAZING DETAILS ON SHEET 6 OF 6.
 - GLASS SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE.
- PANEL OPERABILITY DESIGNATIONS:
 - (X) DESIGNATION IS OPERABLE PANEL

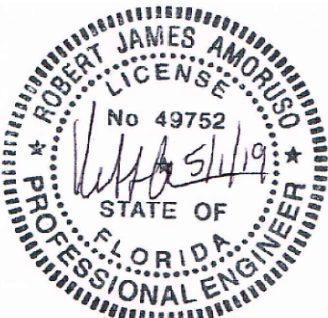
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1	GENERAL NOTES
2	ELEVATION AND ANCHOR LAYOUT
3-5	INSTALLATION DETAILS
6	BILL OF MATERIALS, COMPONENTS & GLAZING DETAIL

ANCHOR NOTES:

- 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".
- FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" ITW ADVANCED THREADFORM TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE THE FOLLOWING:
 - CONCRETE: 1-1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1-1/2" MINIMUM EDGE DISTANCE.
 - CMU/MASONRY: 1" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE.
- ANCHORING INTO WOOD SHALL BE AS FOLLOWS:
 - 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42 (NON-HVHZ).
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF).

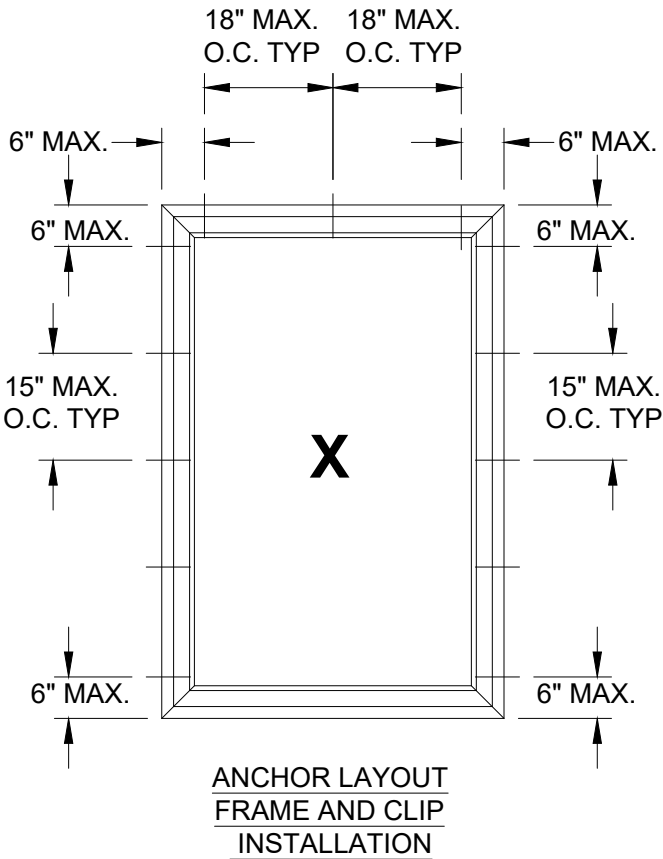
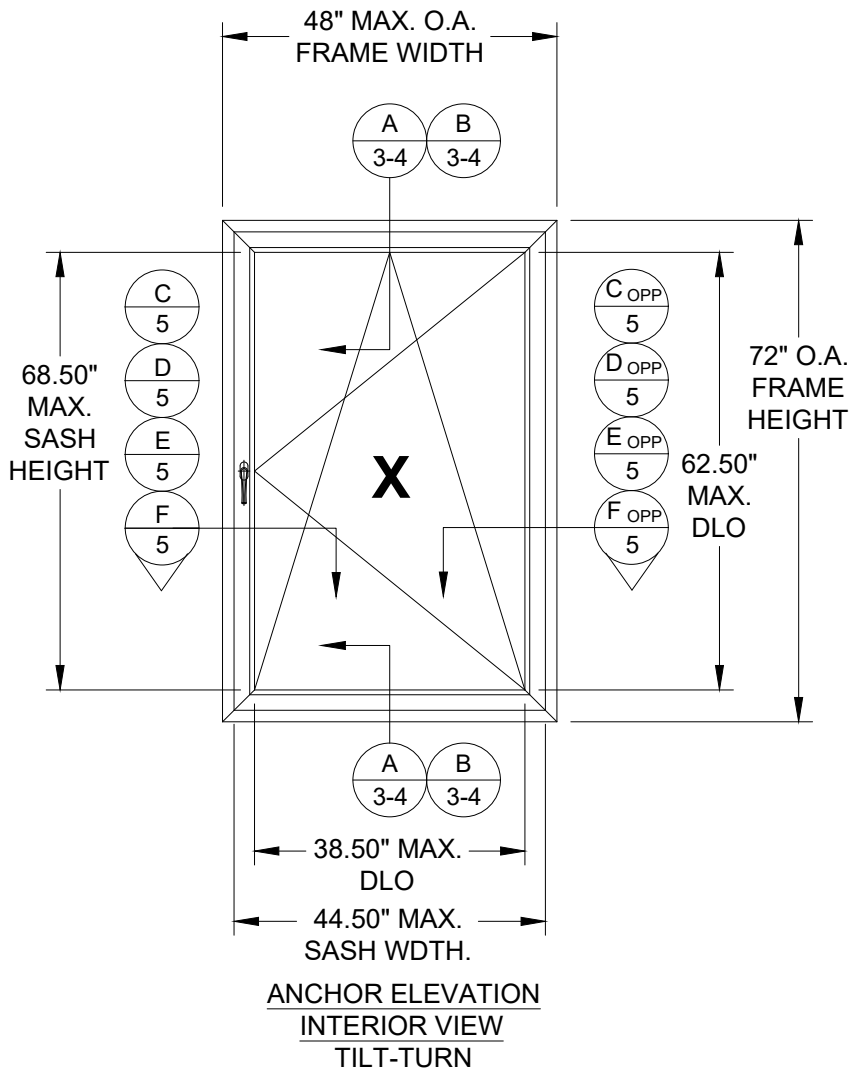
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SERIES KUDK ISOSTAR TILT/TURN VINYL WINDOW NON-IMPACT GENERAL NOTES		
DRAWN: JRM	DWG NO. NL-0120	REV —
SCALE NTS	DATE 01/23/2019	SHEET 1 OF 6

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ANCHOR NOTES:
FRAME AND CLIP INSTALLATION
MAY BE USED INTERCHANGEABLY
ON SAME FRAME

ANCHORAGE INSTALLATION REQUIREMENTS TO MEET DESIGN PRESSURE OF +/-60 PSF

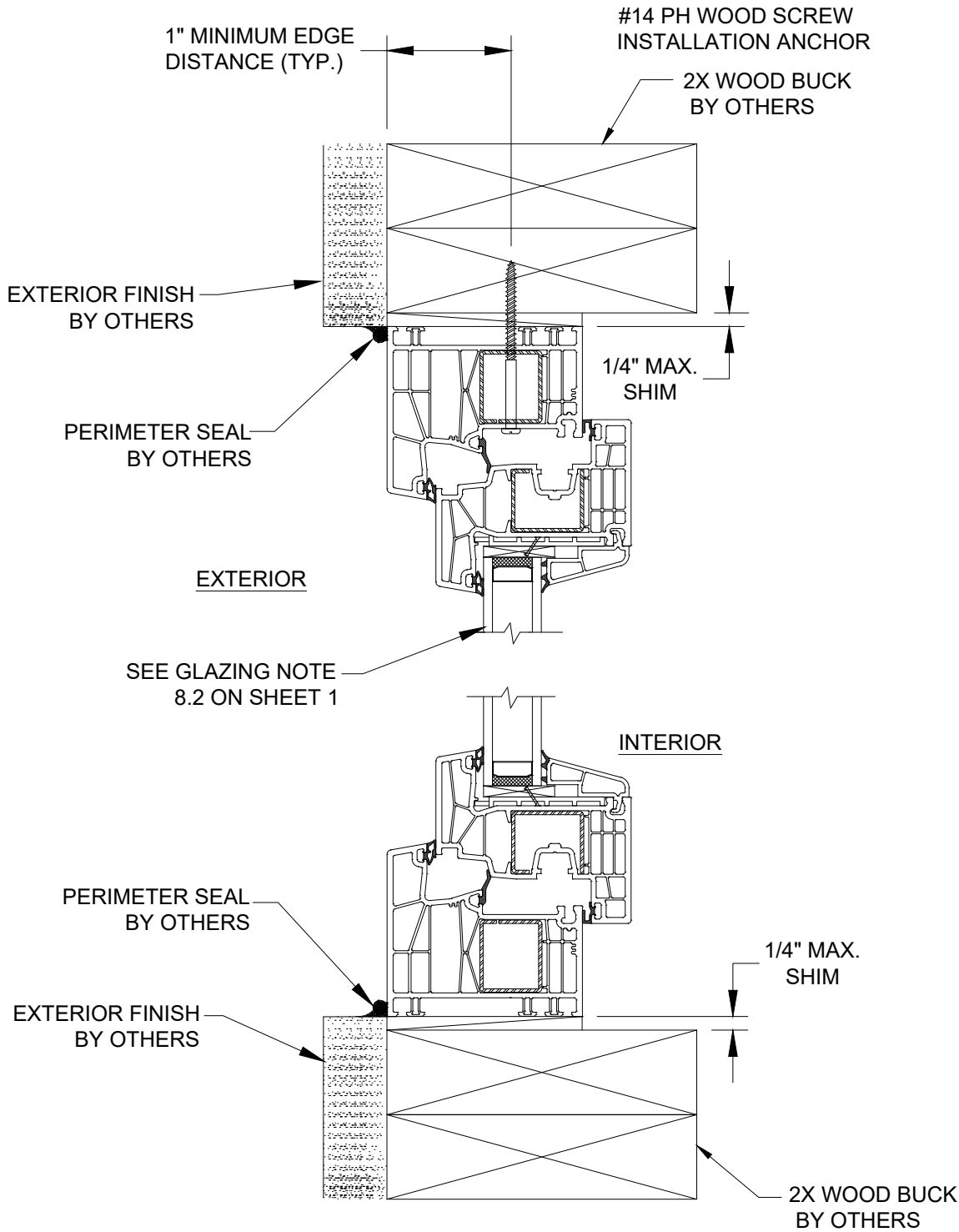
DESIGN PRESSURE RATING (PSF)			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF)	QUALIFIED CONFIGURATION	IMPACT RATING
48" X 72"	+/- 60.0	X	NONE
SEE GLAZING DETAIL ON SHT. 6			

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SERIES KUDK ISOSTAR TILT/TURN VINYL WINDOW NON-IMPACT ELEVATION & ANCHOR LAYOUT		
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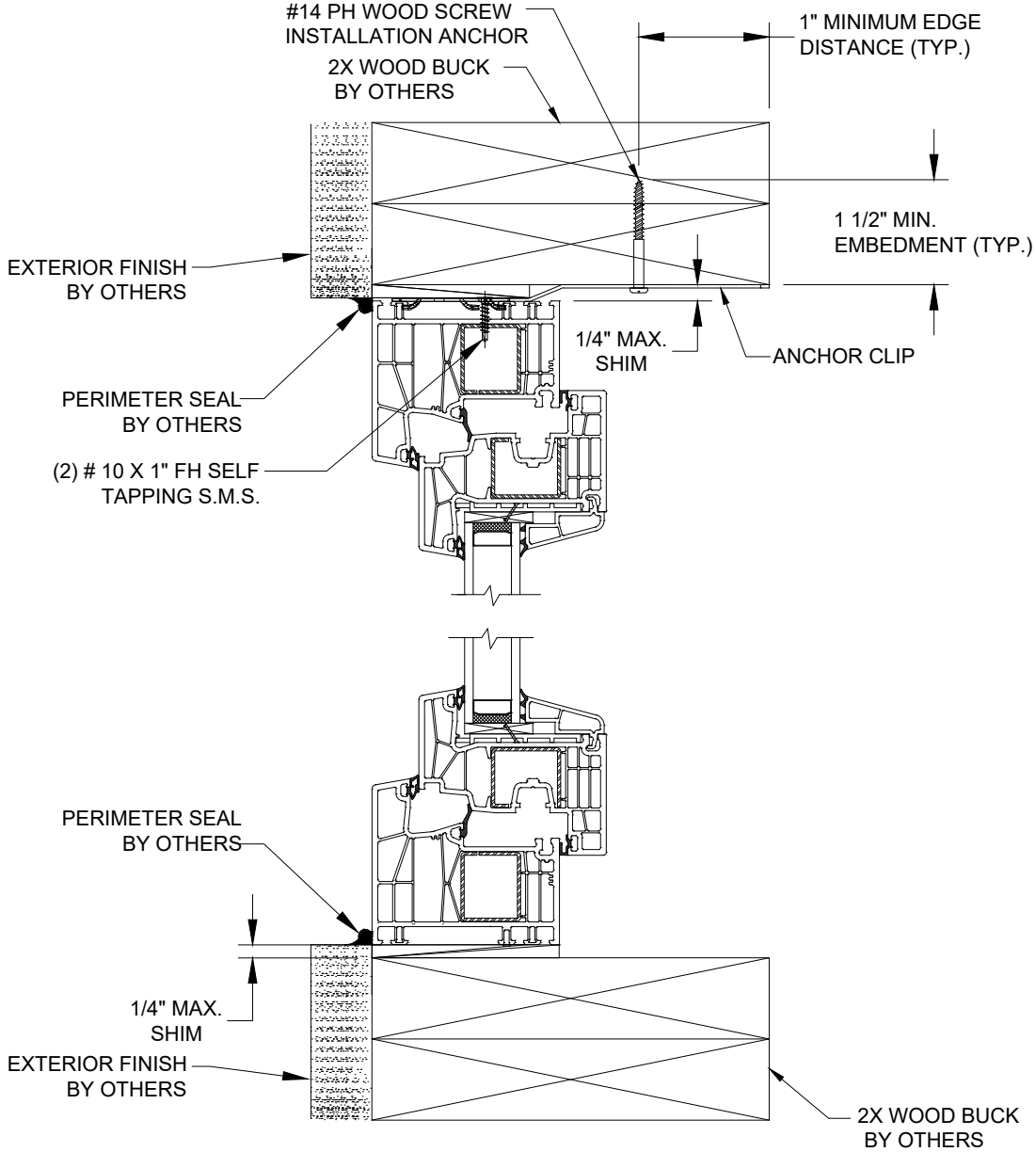
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A
3 **VERTICAL SECTION**
WOOD FRAME SUBSTRATE
THROUGH FRAME INSTALLATION



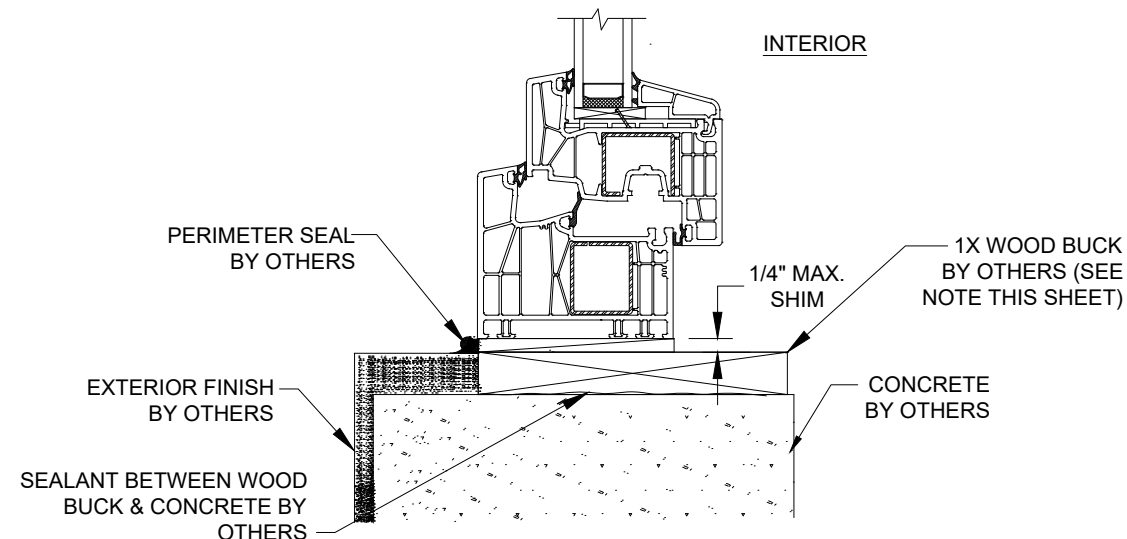
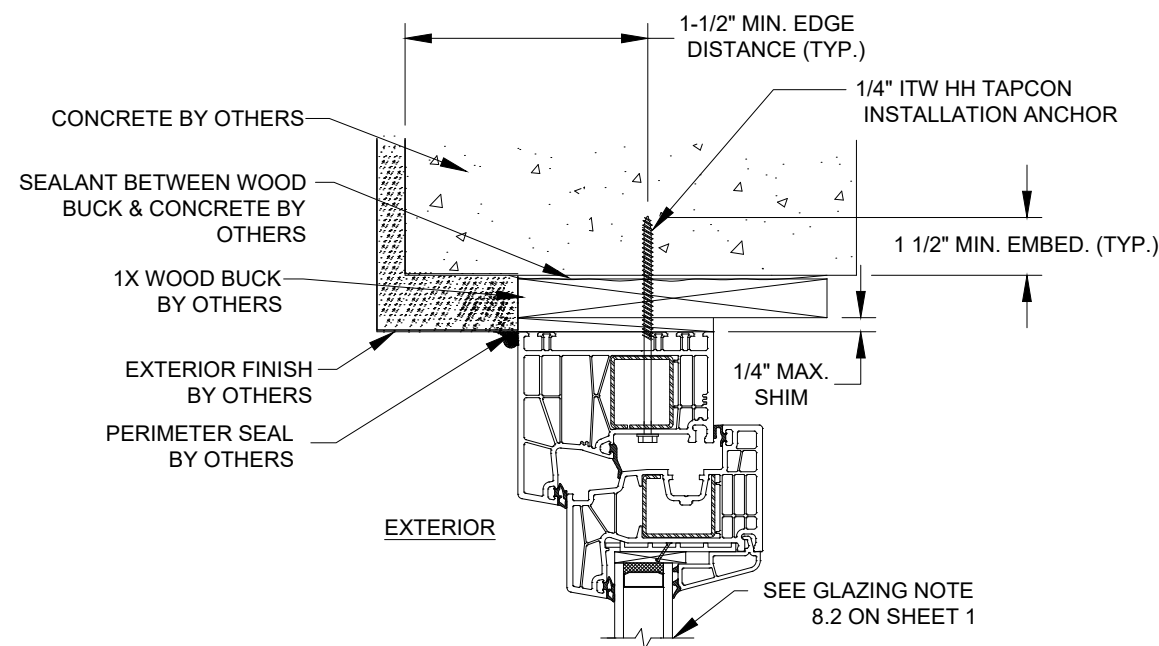
B
3 **VERTICAL SECTION**
WOOD FRAME SUBSTRATE
ANCHOR STRAP INSTALLATION

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SERIES KUDK ISOSTAR TILT/TURN VINYL WINDOW NON-IMPACT VERTICAL INSTALLATION DETAILS-WOOD FRAME		
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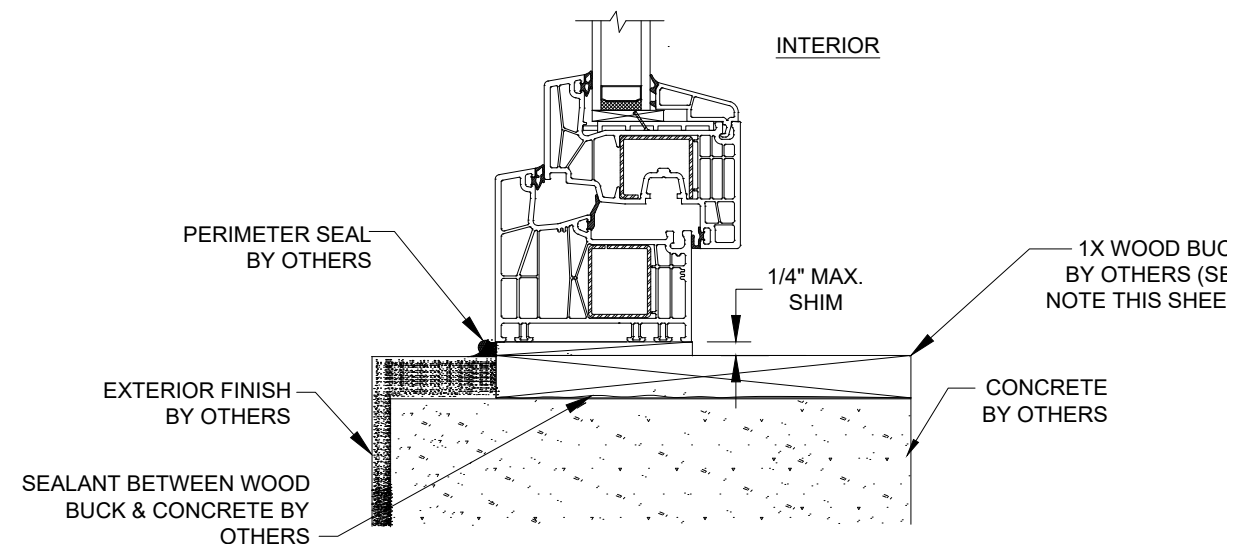
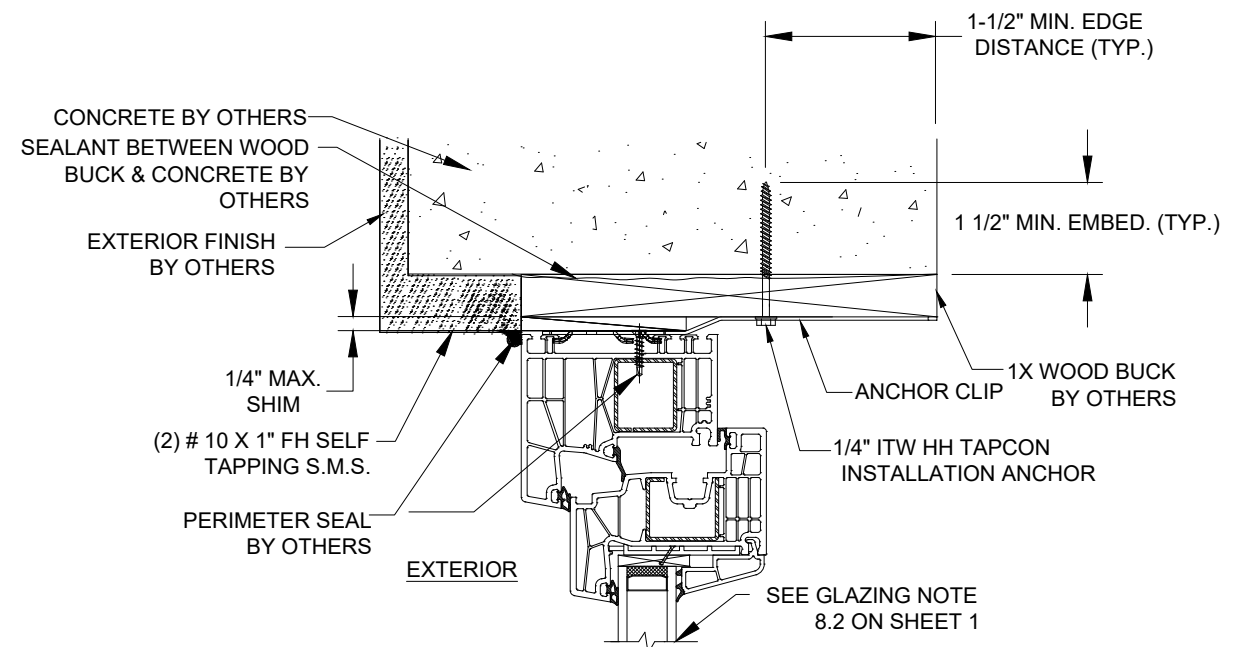
REVISIONS			
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A
4 **VERTICAL SECTION**
CONCRETE SUBSTRATE
THROUGH FRAME INSTALLATION

NOTE: 1X
SHALL BE F/

WOOD BUCK AT SILL
STENED TO CONCRETE
USING 3/16" TAPCONS
M ENDS AND 18" O.C.



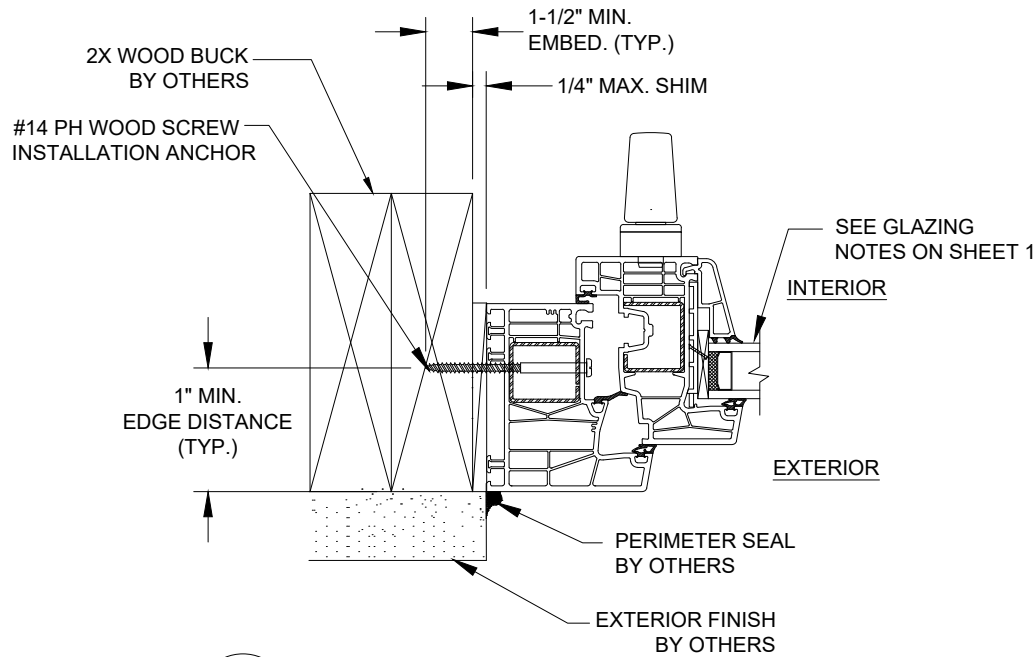
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4 **VERTICAL SECTION**
CONCRETE SUBSTRATE
ANCHOR STRAP INSTALLATION

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SERIES KUDK ISOSTAR TILT/TURN VINYL WINDOW NON-IMPACT VERTICAL INSTALLATION-MASONRY/CONCRETE		
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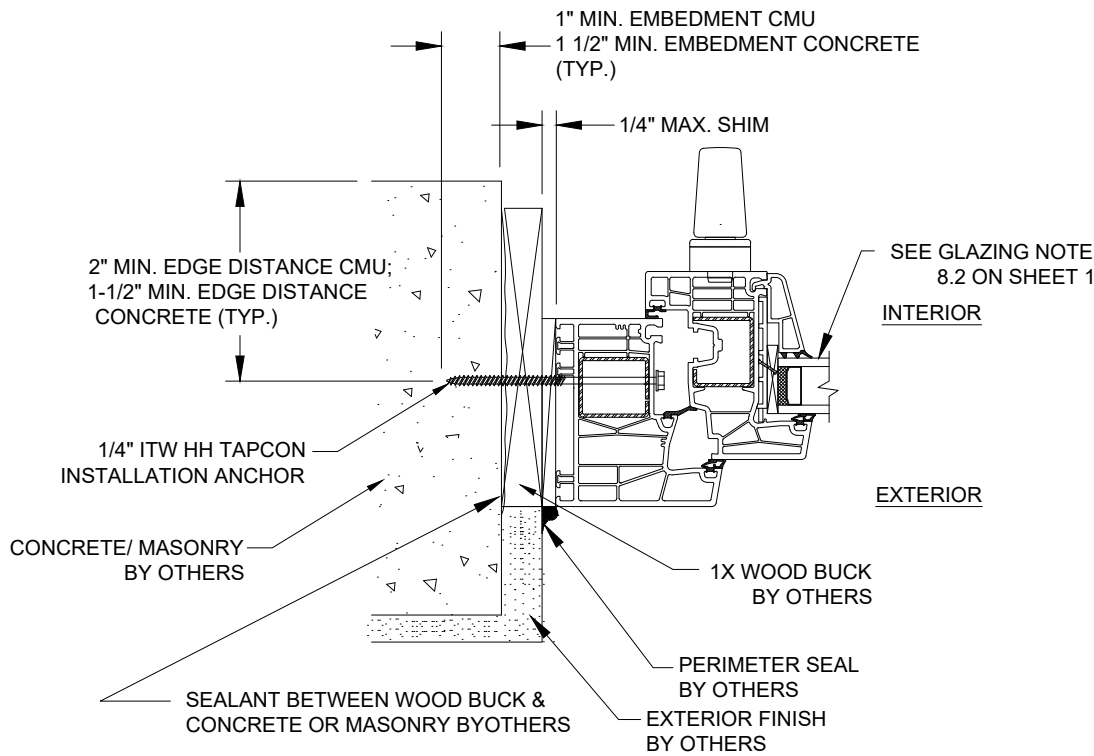
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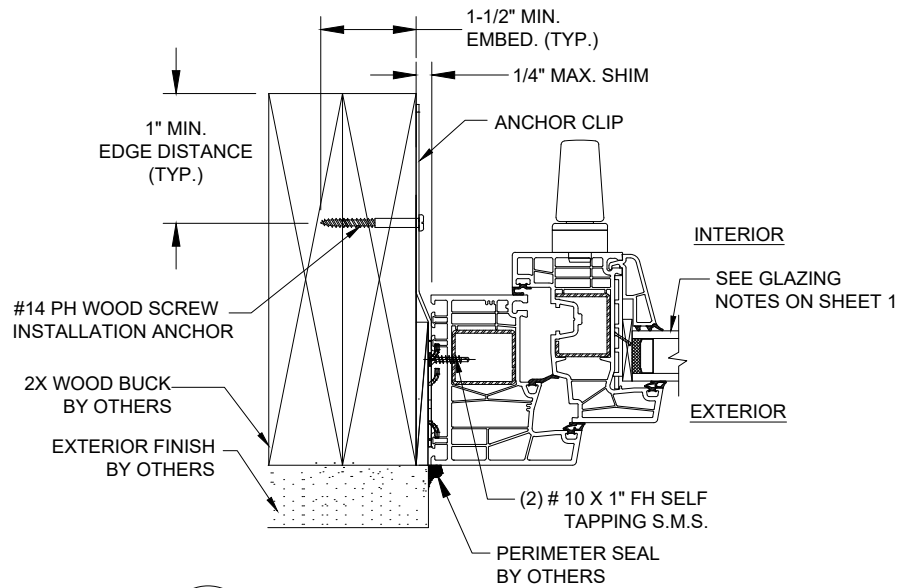
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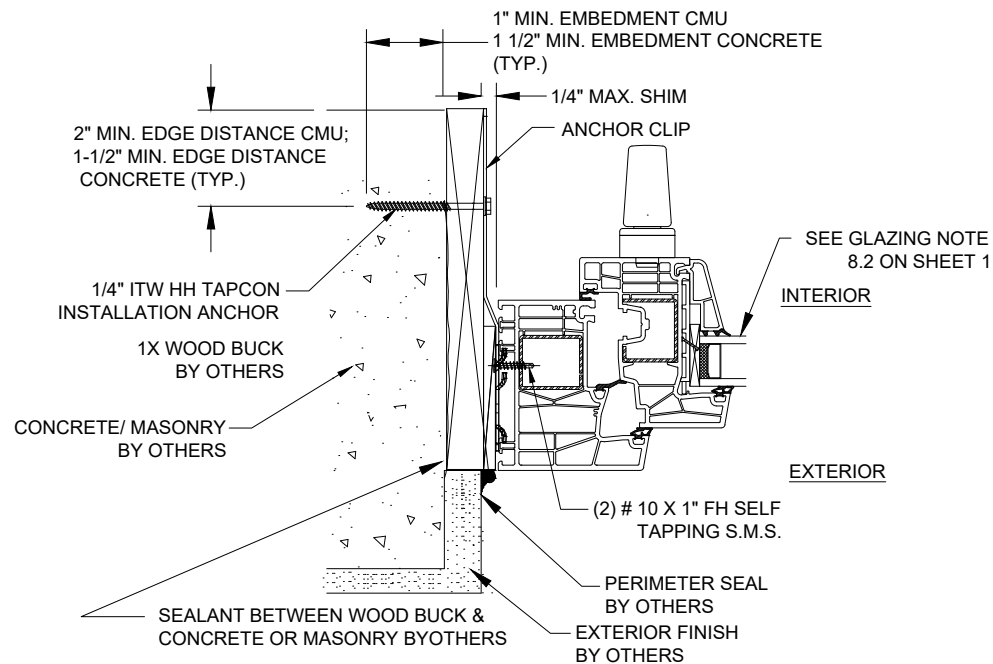
C
5
HORIZONTAL SECTION
WOOD FRAME SUBSTRATE
THROUGH FRAME INSTALLATION



E
5
HORIZONTAL SECTION
MASONRY/CONCRETE SUBSTRATE
THROUGH FRAME INSTALLATION



D
5
HORIZONTAL SECTION
WOOD FRAME SUBSTRATE
ANCHOR STRAP INSTALLATION



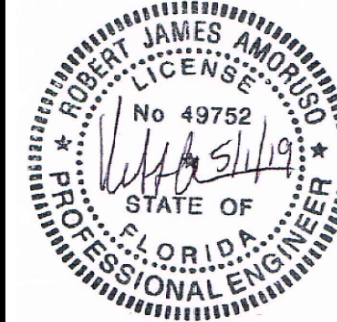
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5
HORIZONTAL SECTION
MASONRY/CONCRETE SUBSTRATE
ANCHOR STRAP INSTALLATION

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VINYL WINDOW NON-IMPACT
HORIZ. INSTALLATION-WOOD-MASONRY/CONCRETE

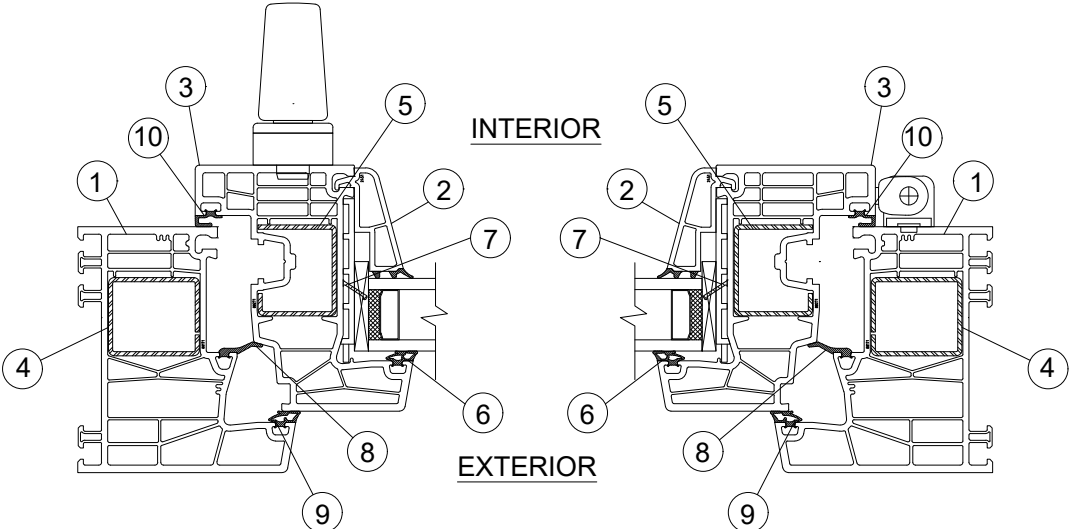
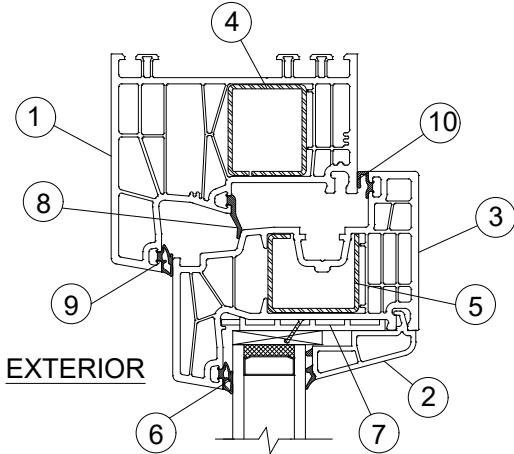
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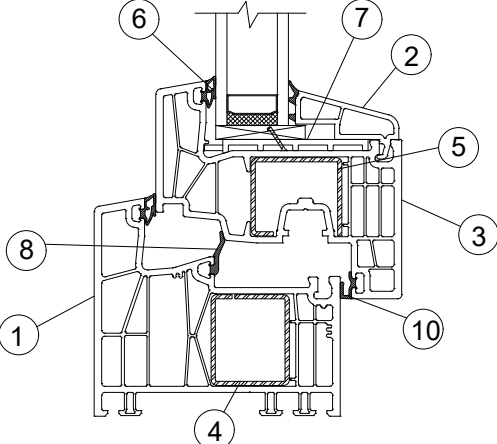


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QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	88171	MAIN FRAME, RIGID VINYL	UNILUX
2	2451	1.20" I.G. LAMINATED GLAZING BEAD, RIGID PVC	UNILUX
3	88271	SASH, RIGID VINYL	UNILUX
4	V309	FRAME REINFORCEMENT-GALV. STL.	UNILUX
5	V306UX15	SASH REINFORCEMENT-GALV. STL.	UNILUX
6	-----	EXTERIOR GLAZING WEDGE-RIGID VINYL	PURCHASE
7	-----	GLAZING RECEPTOR, RIGID PVC	UNILUX
8	-----	INTERIOR WEATHERSTRIP GASKET, EPDM VINYL	PURCHASE
9	-----	EXTERIOR WEATHERSTRIP GASKET, EPDM VINYL	PURCHASE
10	-----	SASH WEATHERSTRIP GASKET, EPDM VINYL	PURCHASE
11	-----	EPDM SETTING BLOCKS	PURCHASE
12	-----	#10 PH S.M.S.	PURCHASE
13	-----	GALVANIZED STEEL ANCHOR STRAP	PURCHASE
14	-----	#14 PH WOOD SCREW	PURCHASE
15	-----	1/4" DIAM. I.T.W. MASONRY ANCHOR	PURCHASE

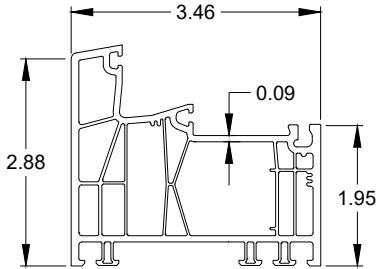
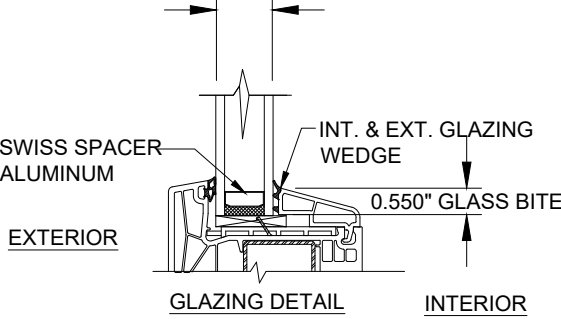


TYPICAL CROSS SECTION FOR PARTS IDENTIFICATION EQUAL LEG FRAME

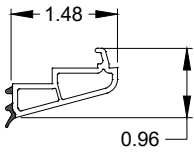


TYPICAL CROSS SECTION FOR PARTS IDENTIFICATION EQUAL LEG FRAME

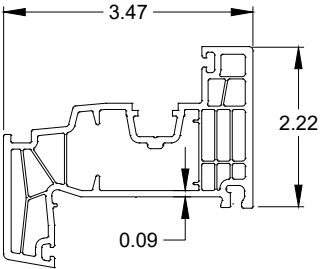
1.02" (26MM) O.A. INSULATED GLASS CONSISTING OF:
EXT. 0.157" (4MM) ANN. GLASS x 0.709" AIR-SPACER x
0.157" (4MM) ANN. GLASS INT.



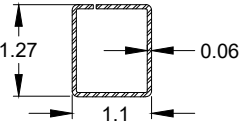
1 MAIN FRAME EQUAL LEG RIGID VINYL



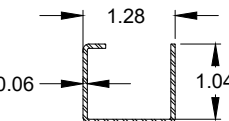
2 GLAZING BEAD RIGID VINYL



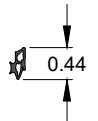
3 MAIN SASH RIGID VINYL



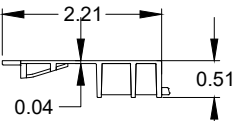
4 FRAME REINFORCEMENT GALVANIZED STEEL



5 SASH REINFORCEMENT GALVANIZED STEEL



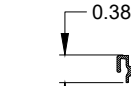
6 GLAZING WEDGE RIGID VINYL



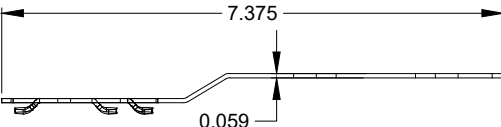
7 GLAZING RECEPTOR RIGID VINYL



8 INTERIOR FRAME WSTP. RIGID VINYL



9 SASH WSTP. RIGID VINYL



13 GALVANIZED STEEL ANCHOR STRAP 16 GA.

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VINYL WINDOW NON-IMPACT
B.O.M./COMP. & GLAZING DETAILS

DRAWN: JRM DWG NO. NL-0123 REV -

SCALE NTS DATE 01/23/2019 SHEET 6 OF 6

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PROFESSIONAL ENGINEER

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