

UNILUX GmbH
SERIES KUK/KU11/KU22 ISOSTAR
HOPPER WINDOW / COMBO NON-IMPACT

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/A440-11 DOCUMENTED IN TEST REPORT NO'S. NCTL-210-4123-04, NCTL-210-4123-05 AND NCTL-210-4123-06.
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 BE AS FOLLOWS:

6.1. THE NON-IMPACT GLAZED PRODUCT REQUIRES THE USE OF AN IMPACT PROTECTION DEVICE IF USED IN A WINDBORNE DEBRIS REGION.
7. MATERIALS:

7.1. FRAME: VINYL / RIGID PVC

7.2. GLAZING INTERLAYER: KURARAY AMERICA TROSIFOL PVB INTERLAYER PER CURRENT MIAMI DADE NOTICE OF ACCEPTANCE (NOA).
8. GLAZING:

8.1. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1.

8.2. SEE GLAZING DETAILS ON SHEET 9 OF 9. GLAZING DETAIL 1 SHOWN IN SECTION VIEWS ON SHEETS 4 THROUGH 7.

8.3. GLASS SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE.
9. PANEL OPERABILITY DESIGNATIONS:

9.1. WINDOW IS AN INOPERABLE (FIXED) PANEL O.

9.2. WINDOW IS AN OPERABLE (MOVEABLE) X.

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9	BILL OF MATERIALS, COMPONENTS & 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.
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).

UNILUX GmbH
Nikolaus–Meeth–Strab1
Salmtal–Germany

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VINYL HOPPER/COMBO WINDOW NON–IMPACT
GENERAL NOTES

DRAWN:
JRM

SCALE NTS

DWG NO.
NL–0121

DATE 01/08/2019

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SHEET 1 OF 9

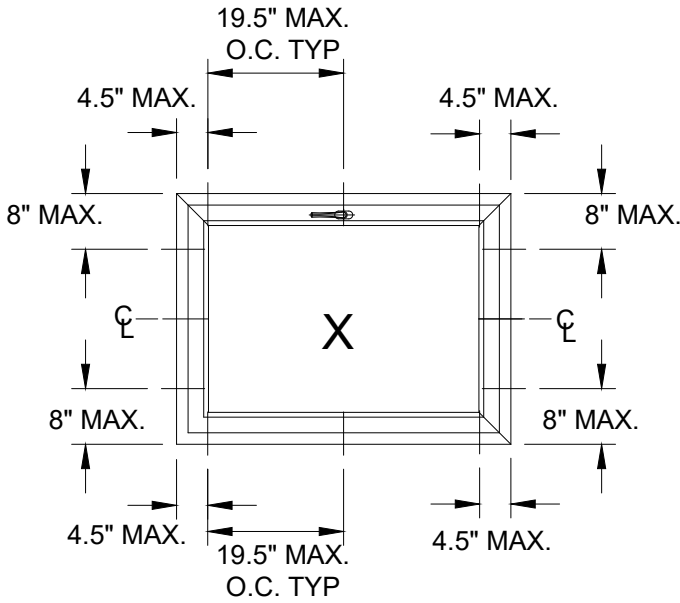
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FL. P.E. NO. 49752



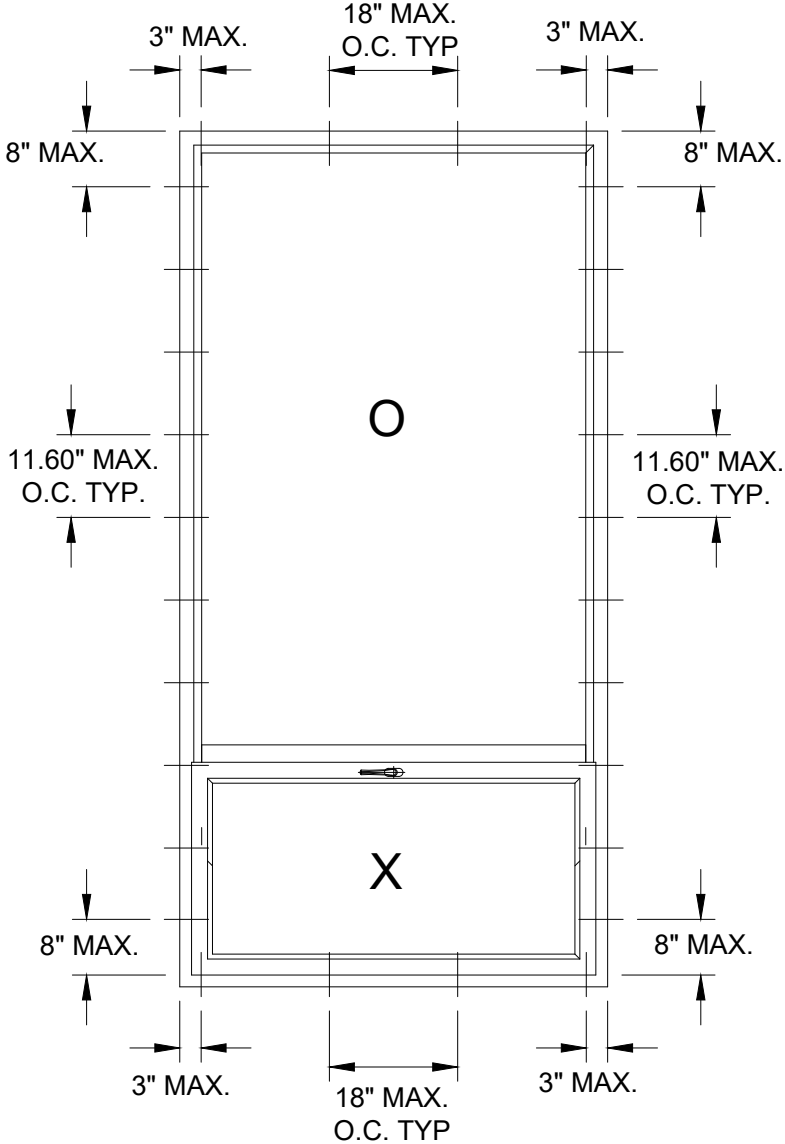
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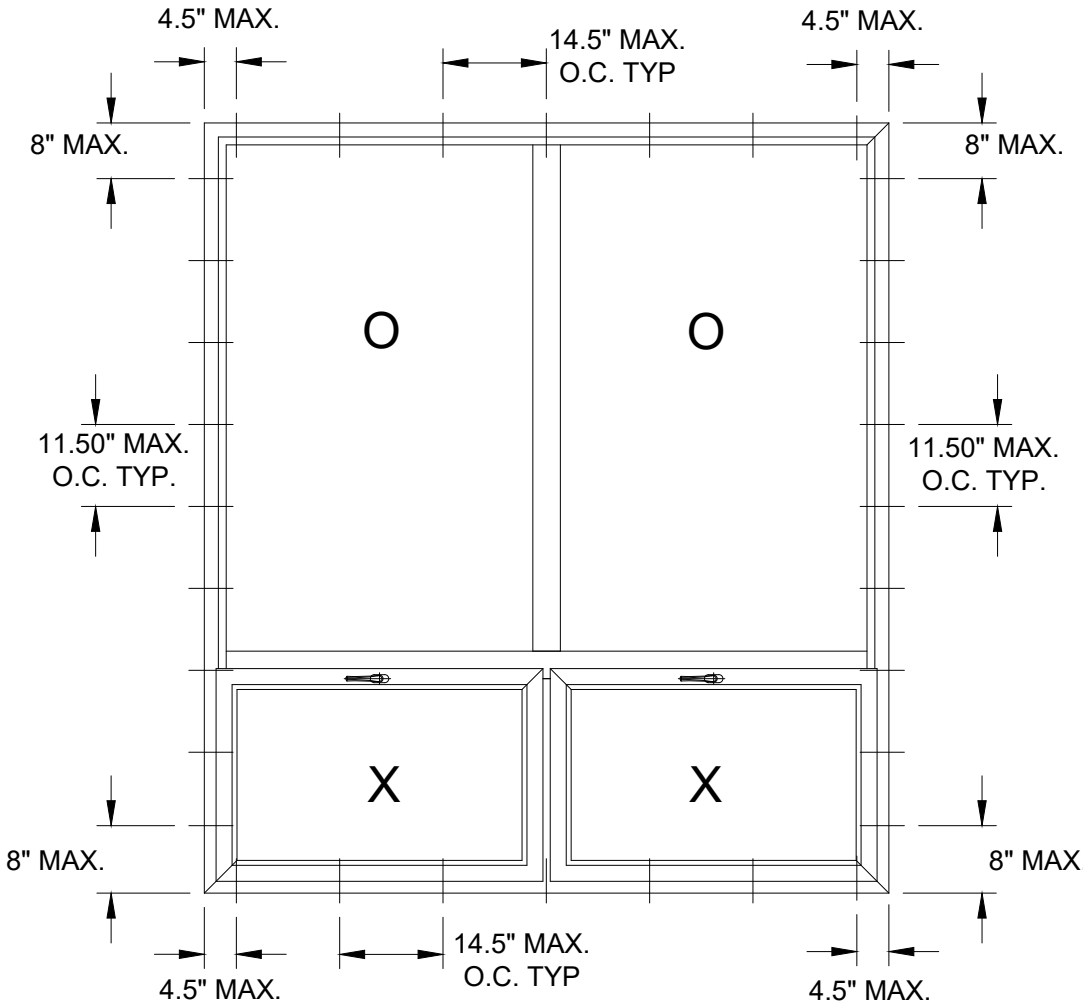
ANCHOR NOTES:
FRAME AND CLIP INSTALLATION
MAY BE USED INTERCHANGEABLY
ON SAME FRAME.



ANCHOR LAYOUT
FRAME AND CLIP
INSTALLATION



ANCHOR LAYOUT
FRAME AND CLIP
INSTALLATION



ANCHOR LAYOUT
FRAME AND CLIP
INSTALLATION

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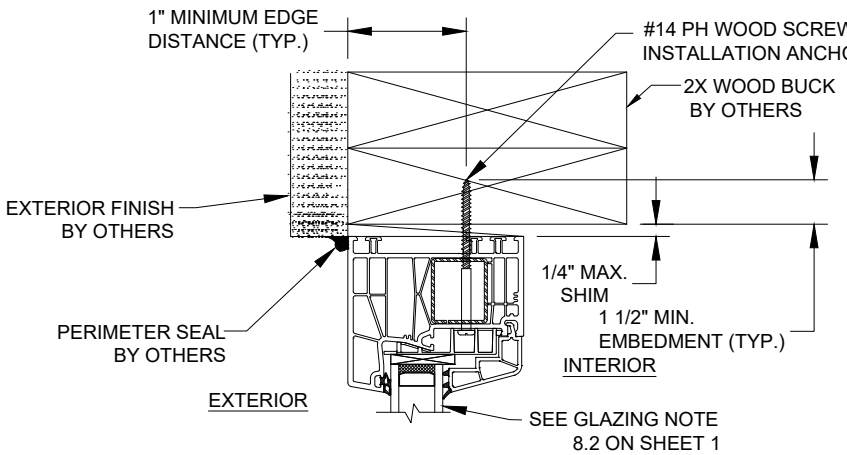
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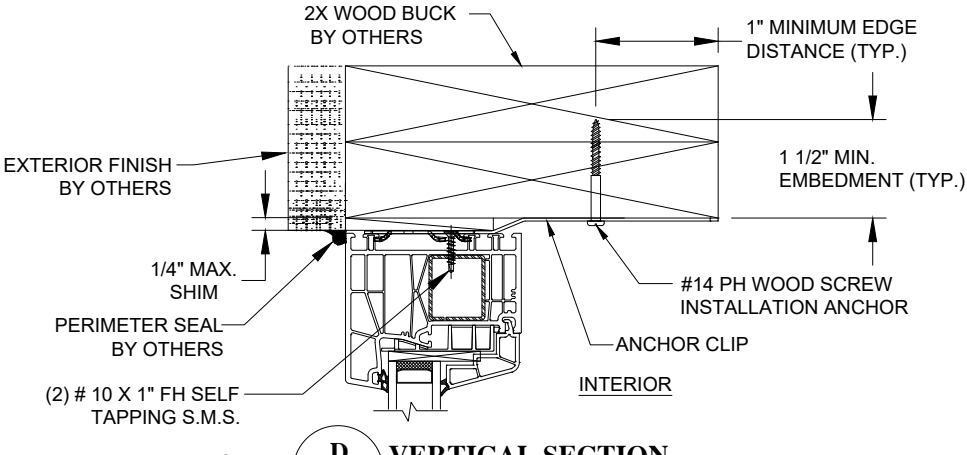
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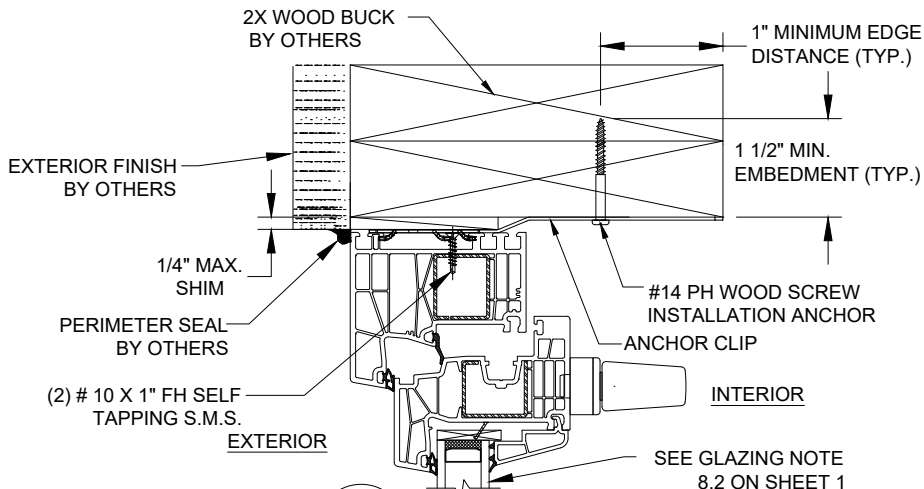
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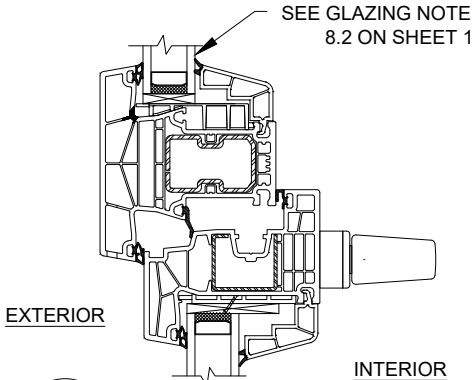
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WOOD FRAME SUBSTRATE
THROUGH FRAME @ TRANSOM



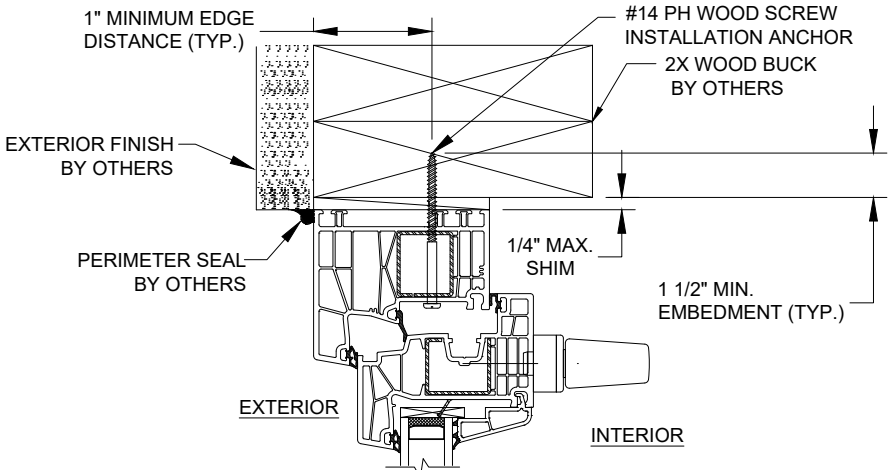
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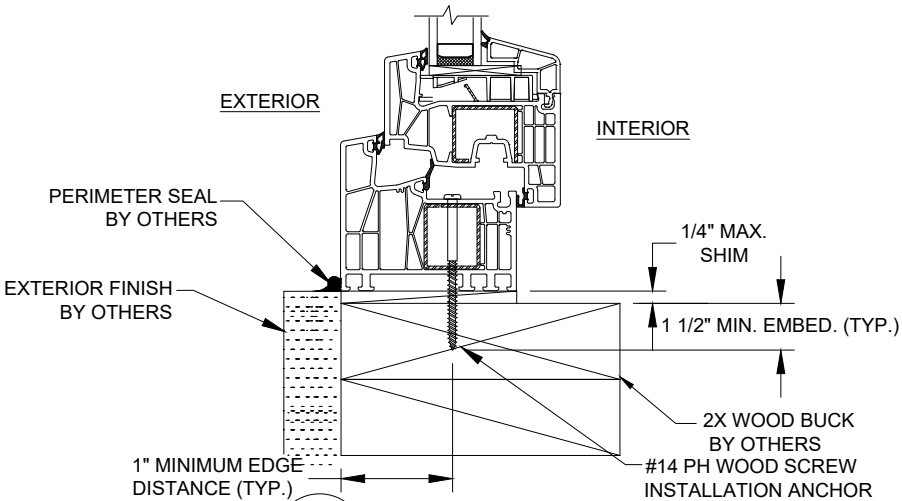
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WOOD FRAME SUBSTRATE
ANCHOR STRAP @ HEAD



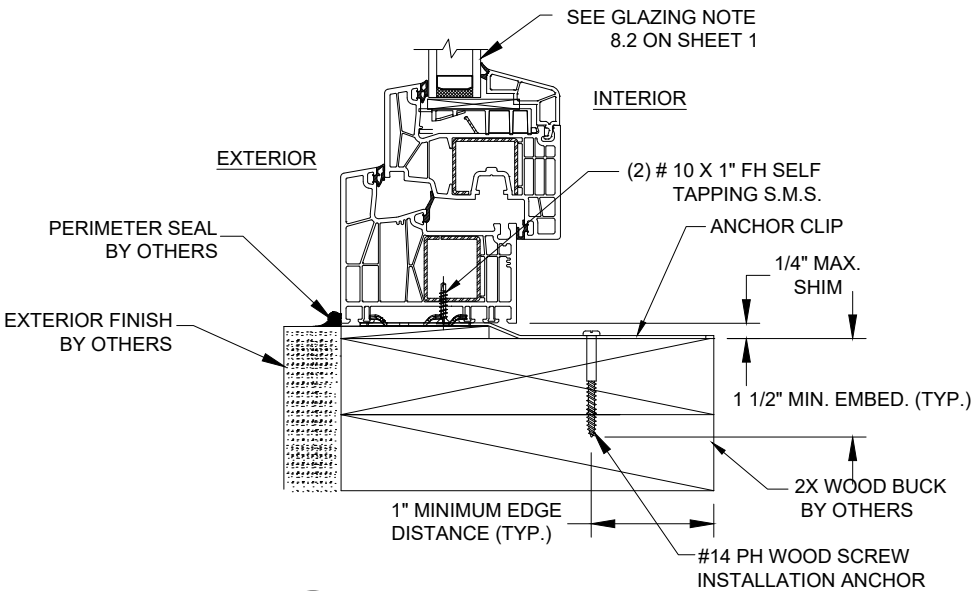
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4 **VERTICAL SECTION**
INTEGRAL MULLION



F
4 **VERTICAL SECTION**
WOOD FRAME SUBSTRATE
THROUGH FRAME @ HEAD



A
4 **VERTICAL SECTION**
WOOD FRAME SUBSTRATE
THROUGH FRAME @ SILL



B
4 **VERTICAL SECTION**
WOOD FRAME SUBSTRATE
ANCHOR STRAP @ SILL

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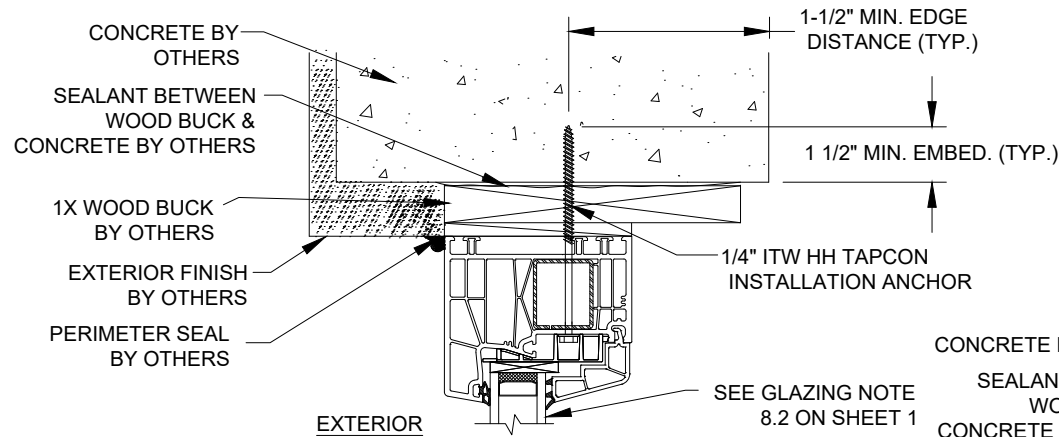
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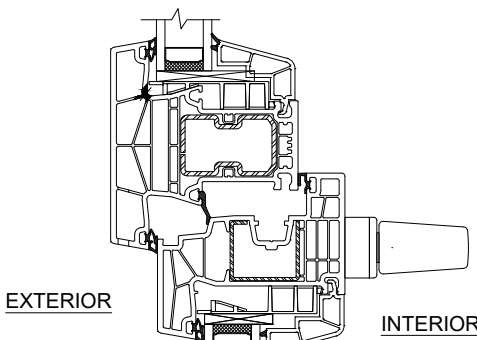
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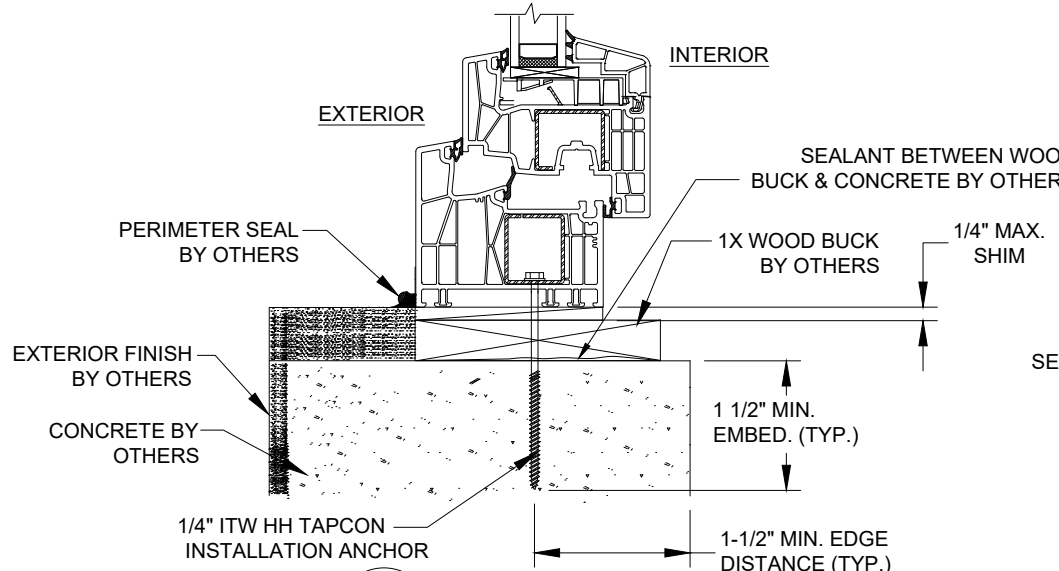
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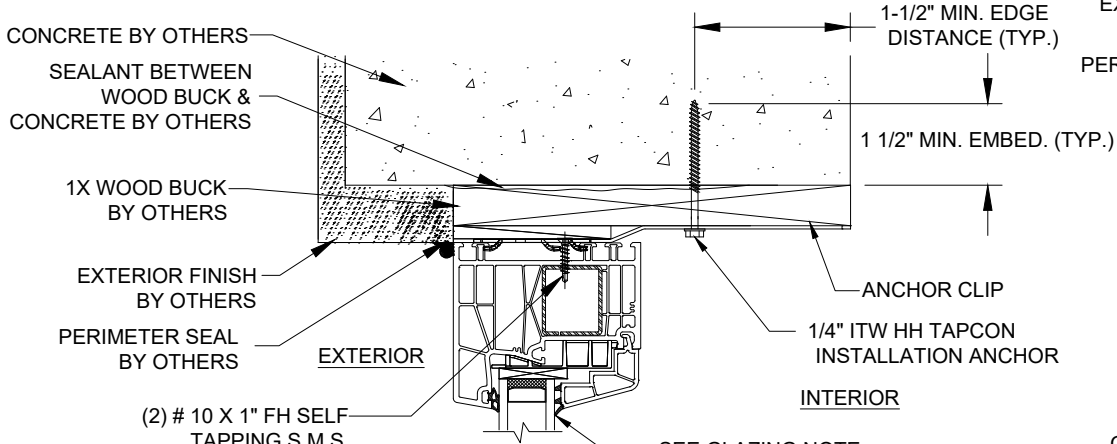
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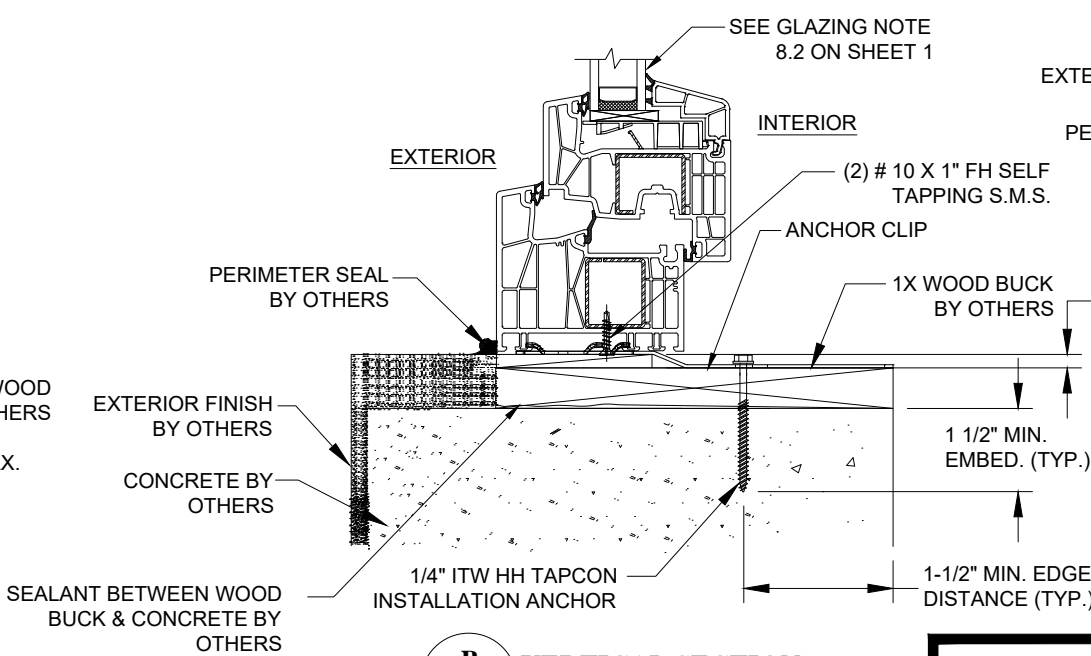
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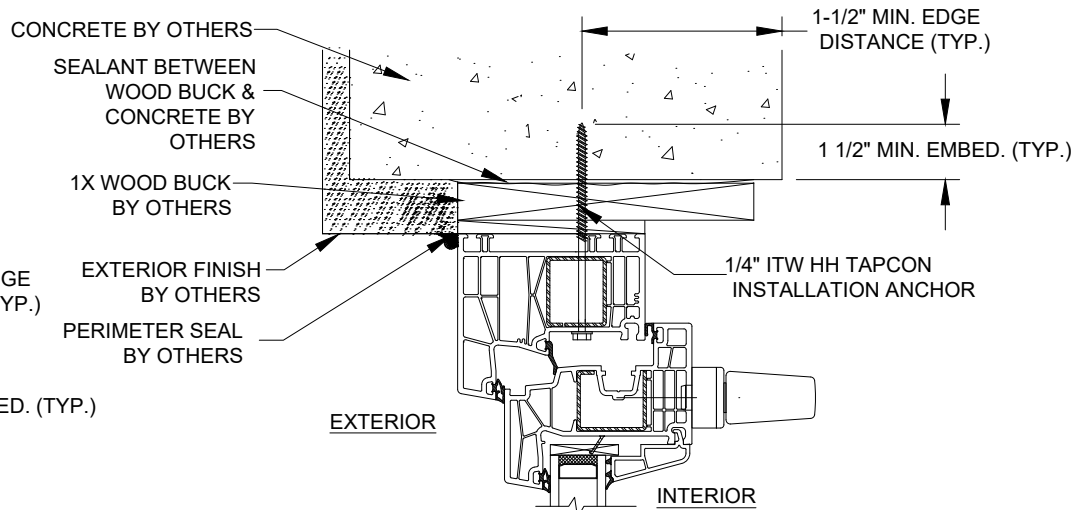
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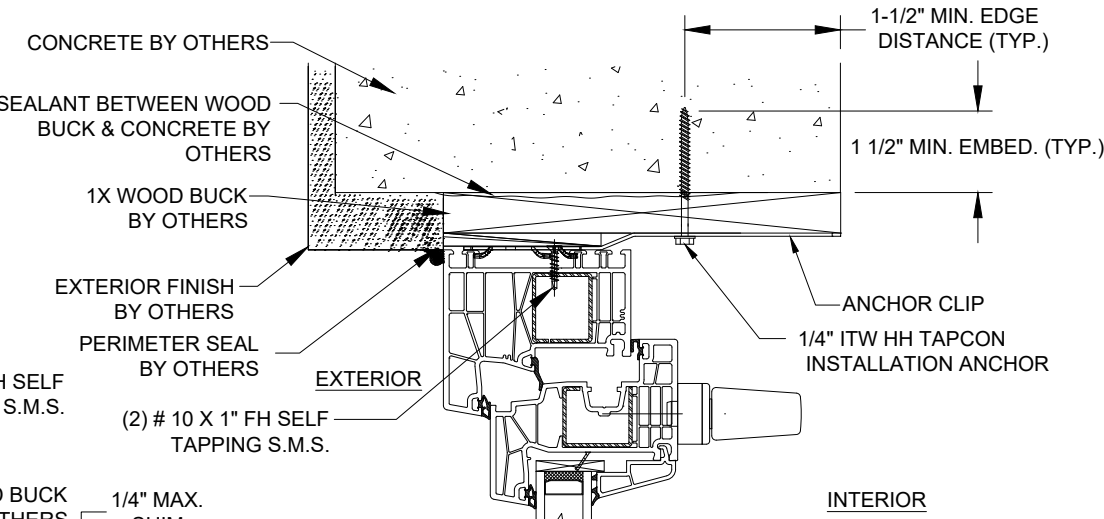
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CONCRETE SUBSTRATE
ANCHOR STRAP @ TRANSOM



B
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VERTICAL SECTION
CONCRETE SUBSTRATE
ANCHOR STRAP @ SILL



E
5
VERTICAL SECTION
CONCRETE SUBSTRATE
THROUGH FRAME @ HEAD



F
5
VERTICAL SECTION
CONCRETE SUBSTRATE
ANCHOR STRAP @ HEAD

UNILUX GmbH Nikolaus-Meeth-Strab1 Salmtal-Germany		
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DRAWN: JRM	DWG NO. NL-0121	REV -
SCALE NTS	DATE 01/08/2019	SHEET 5 OF 9

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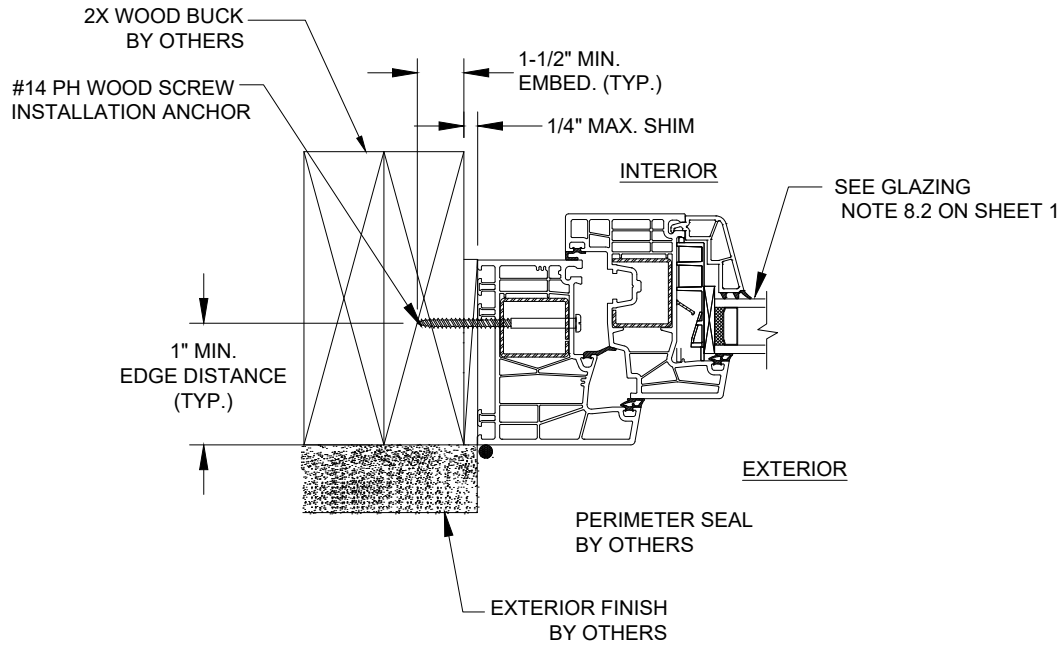
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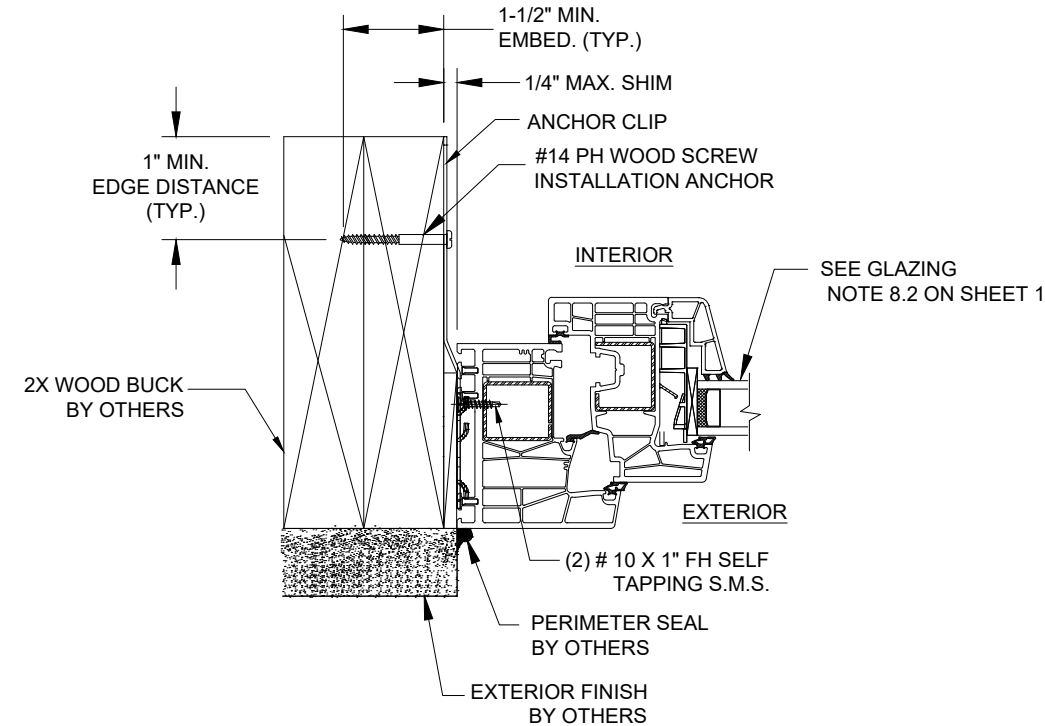
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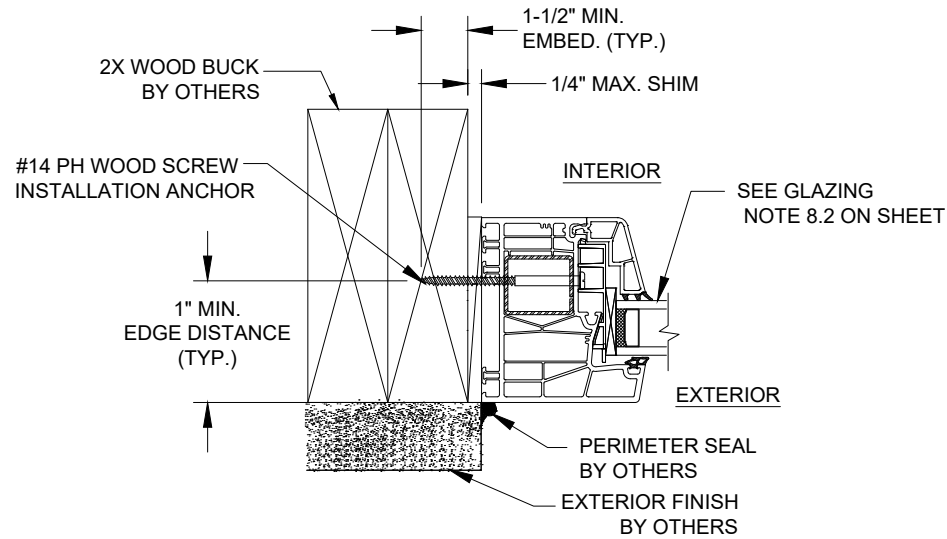
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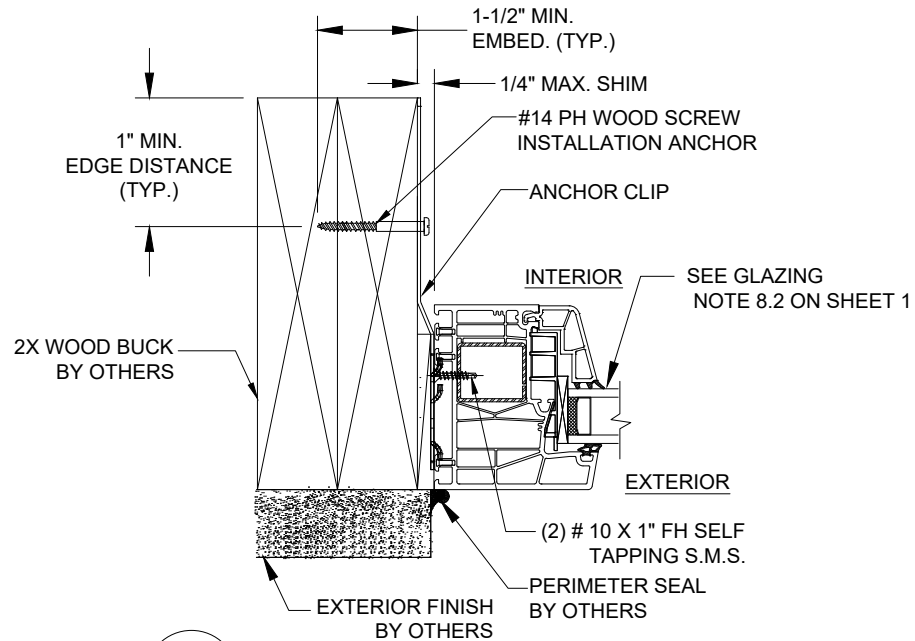
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HORIZONTAL SECTION
WOOD FRAME SUBSTRATE
THROUGH FRAME @ JAMB



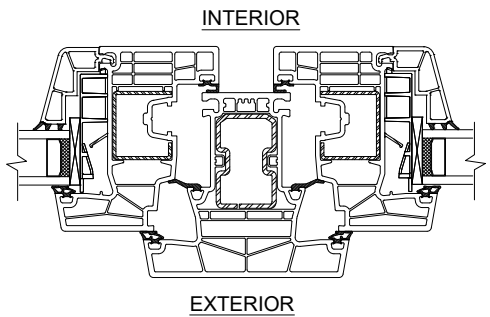
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WOOD FRAME SUBSTRATE
ANCHOR STRAP @ JAMB



J
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HORIZONTAL SECTION
WOOD FRAME SUBSTRATE
THROUGH FRAME @ TRANS. JAMB



K
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HORIZONTAL SECTION
WOOD FRAME SUBSTRATE
ANCHOR STRAP @ TRANS. JAMB



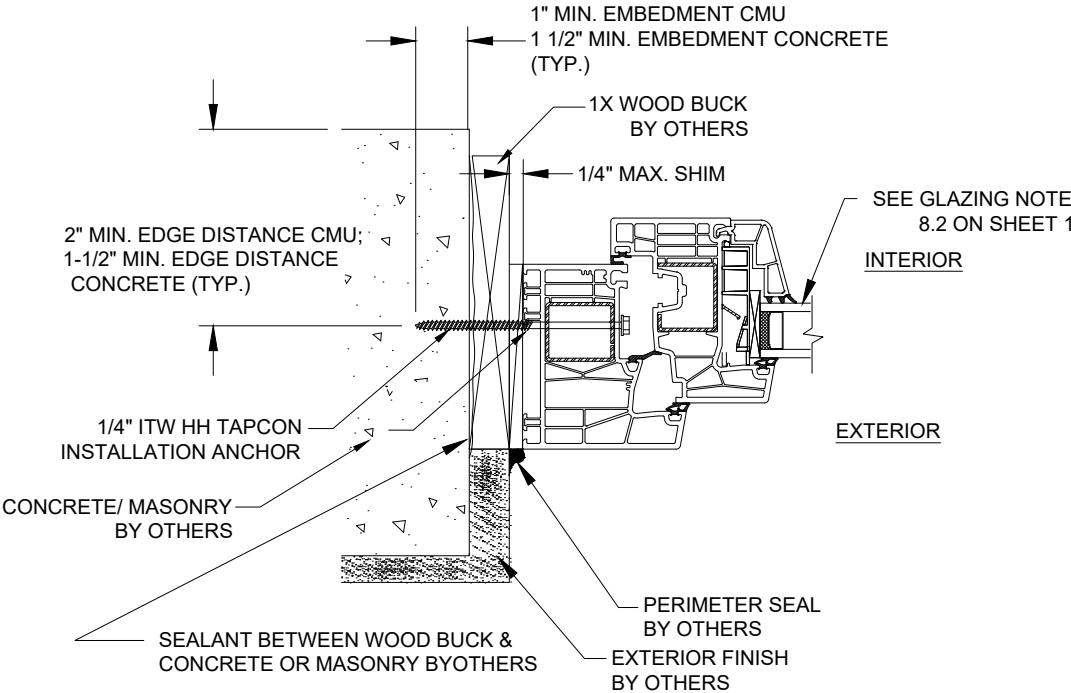
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INTEGRAL MULLION

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SCALE NTS	DATE 01/08/2019	SHEET 6 OF 9

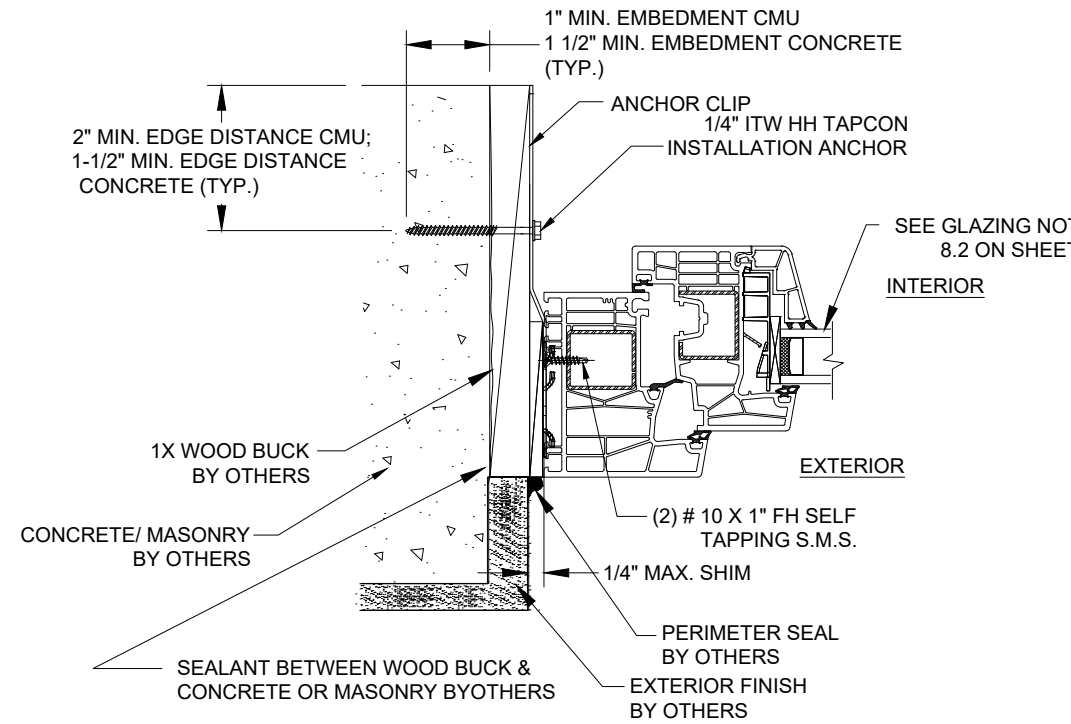
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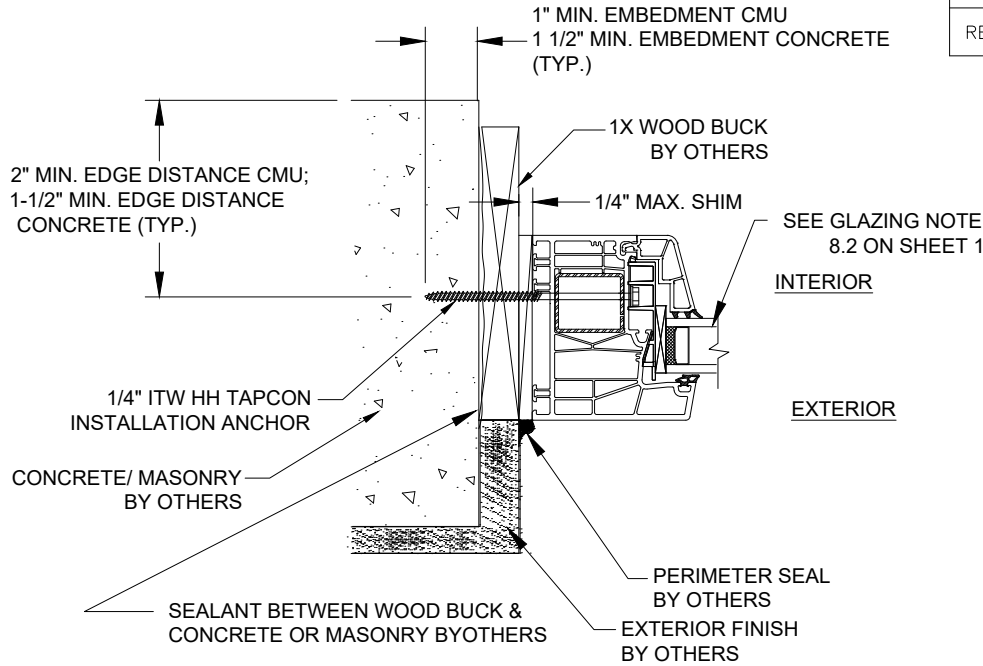
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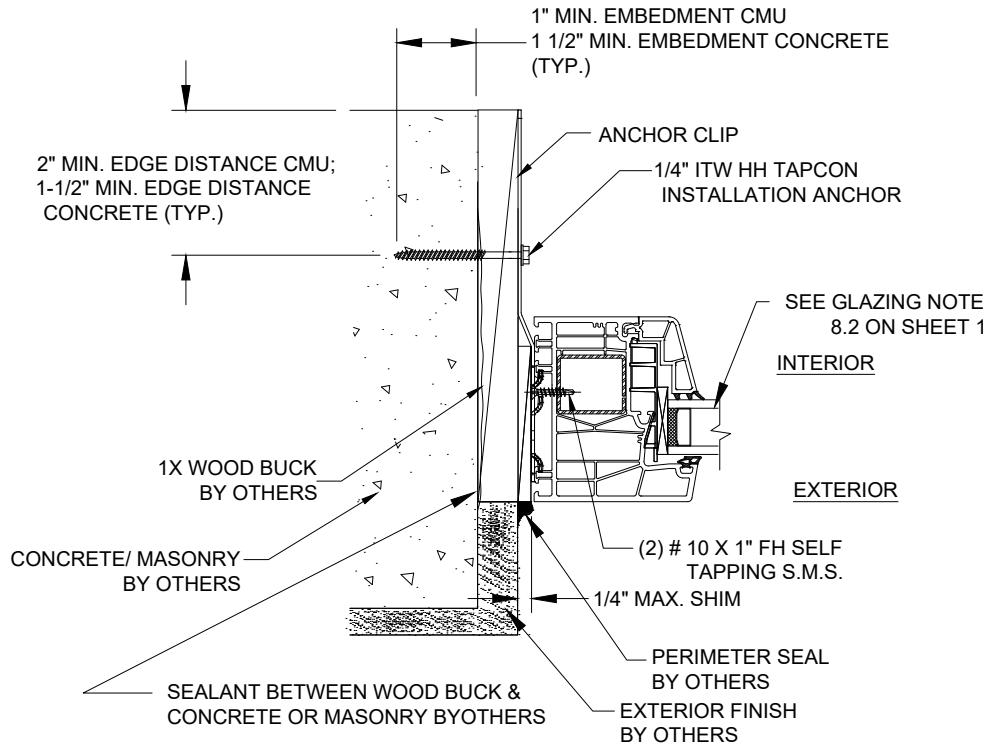
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MASONRY/CONCRETE SUBSTRATE
THROUGH FRAME @ JAMB



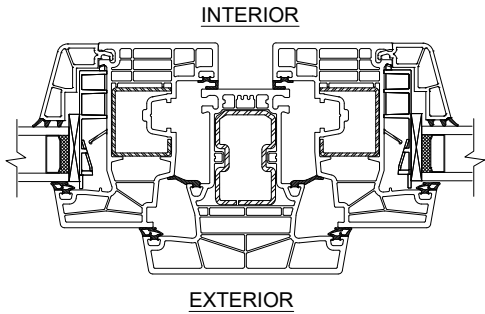
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MASONRY/CONCRETE SUBSTRATE
ANCHOR STRAP @ JAMB



J
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MASONRY/CONCRETE SUBSTRATE
THROUGH FRAME @ TRANS. JAMB



K
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MASONRY/CONCRETE SUBSTRATE
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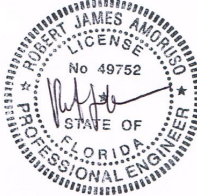
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7
HORIZONTAL SECTION
INTEGRAL MULLION

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Nikolaus-Meeth-Strab1
Salmtal-Germany

SERIES KUK/KU11/KU22 ISOSTAR
VINYL HOPPER/COMBO WINDOW NON-IMPACT
HOR. INSTALLATION-MASONRY/CONCRETE

DRAWN: JRM	DWG NO. NL-0121	REV -
SCALE NTS	DATE 01/08/2019	SHEET 7 OF 9

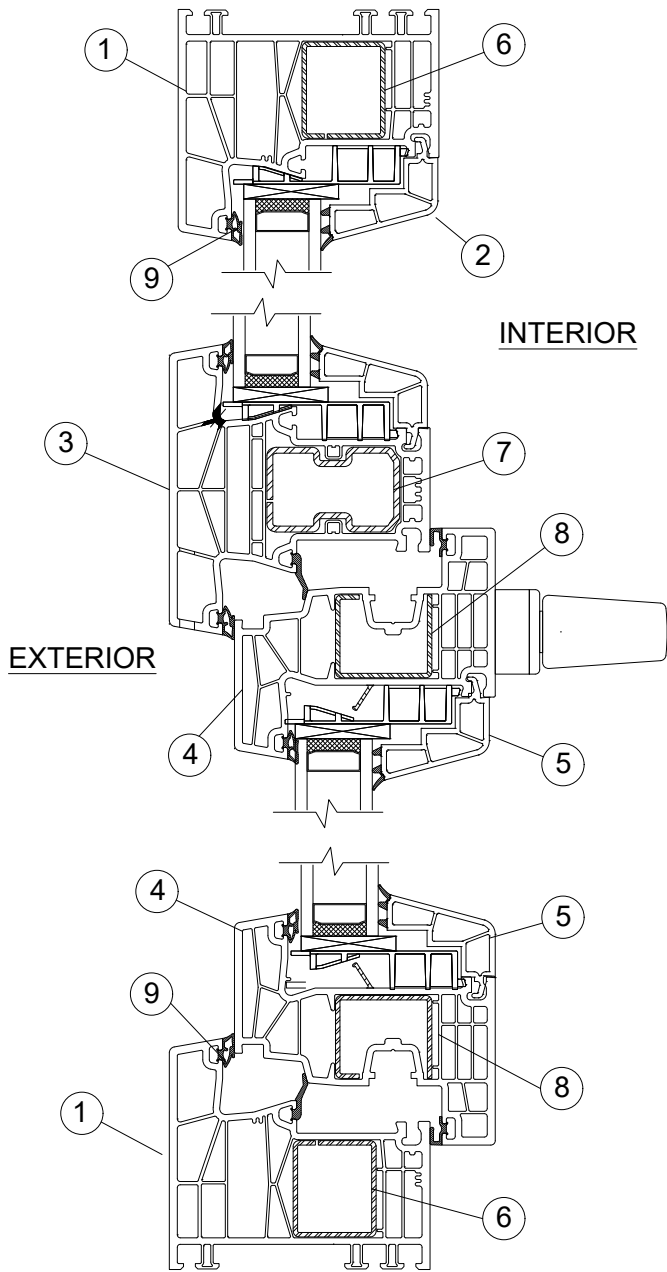
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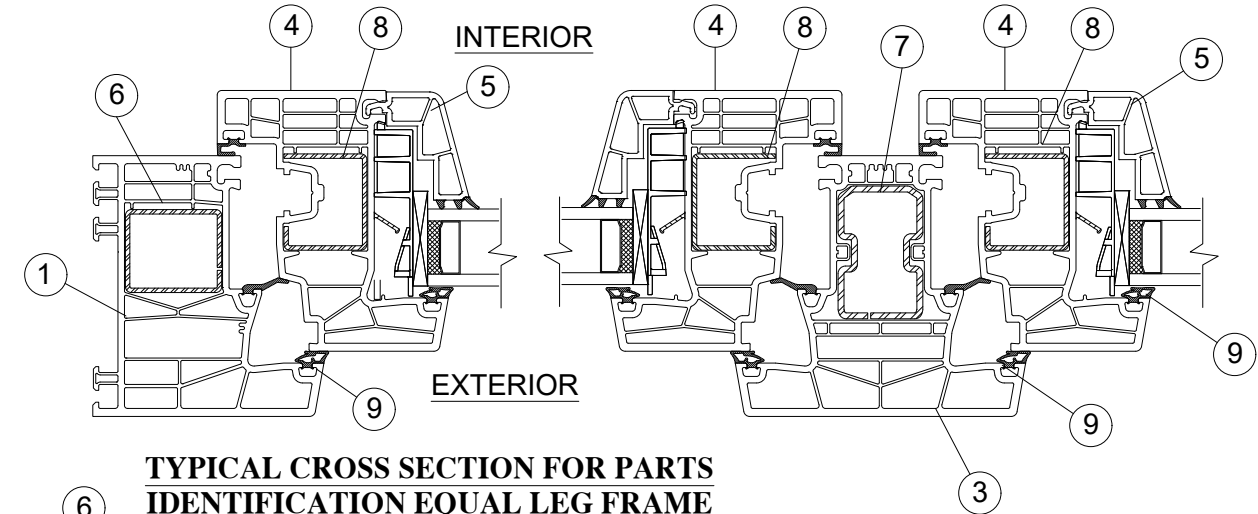
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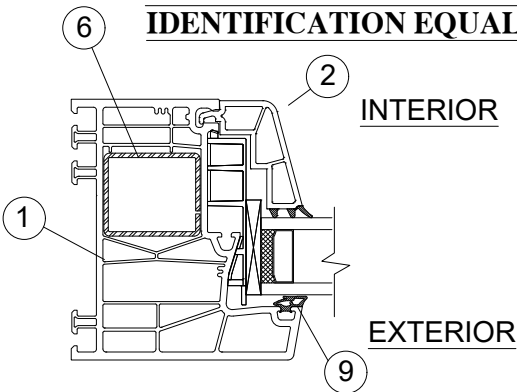
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**TYPICAL CROSS
SECTION FOR PARTS
IDENTIFICATION
EQUAL LEG FRAME**



**TYPICAL CROSS SECTION FOR PARTS
IDENTIFICATION EQUAL LEG FRAME**



**TYPICAL CROSS
SECTION FOR PARTS
IDENTIFICATION
EQUAL LEG FRAME**

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SERIES KUK/KU11/KU22 ISOSTAR VINYL HOPPER/COMBO WINDOW NON-IMPACT CROSS SECTIONS		
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SCALE NTS	DATE 01/08/2019	SHEET 8 OF 9

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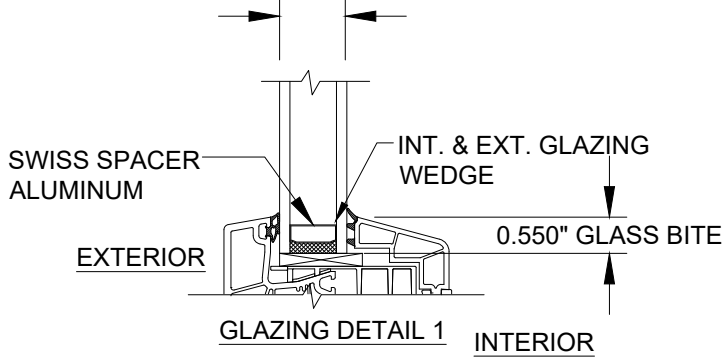
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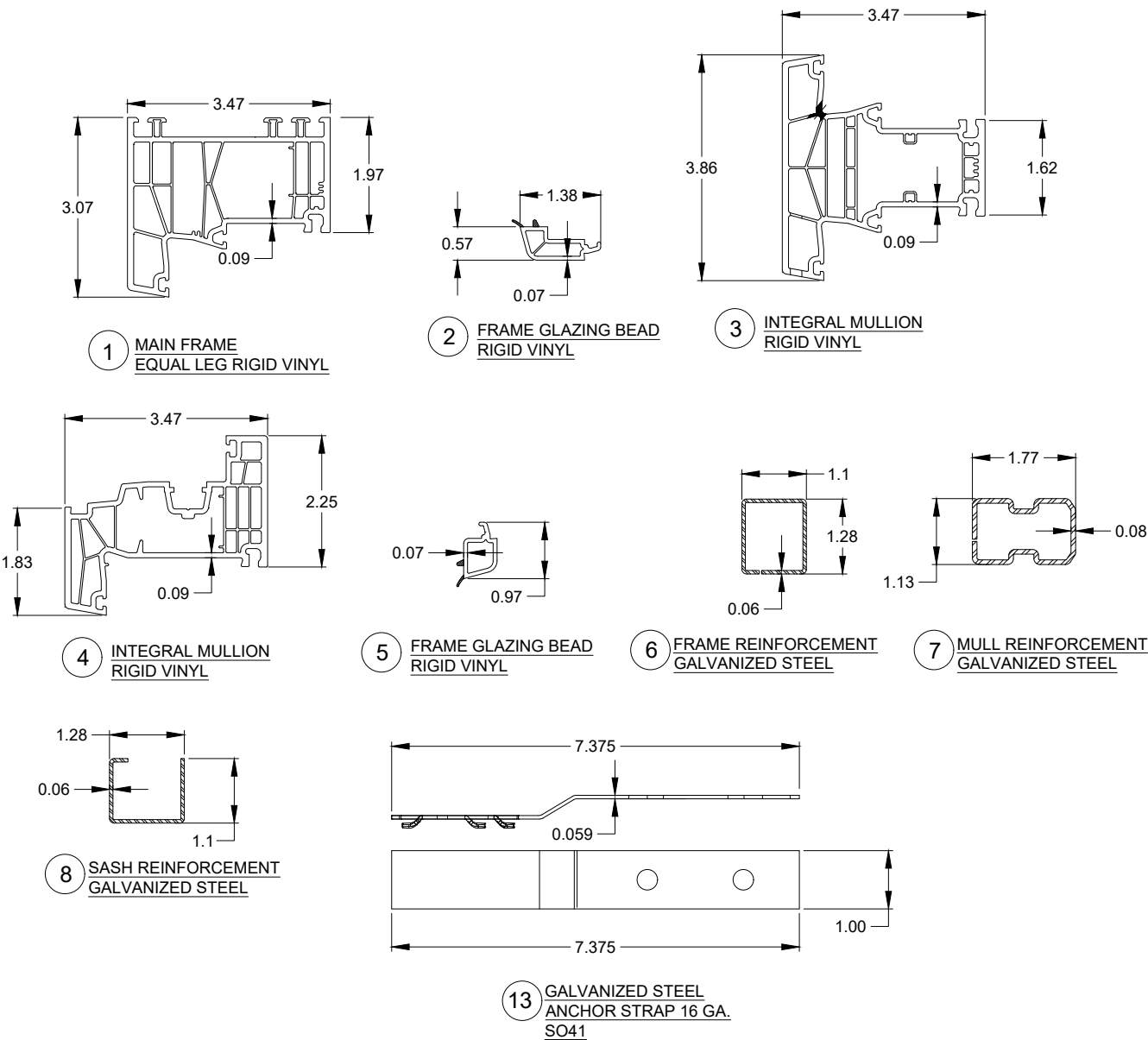
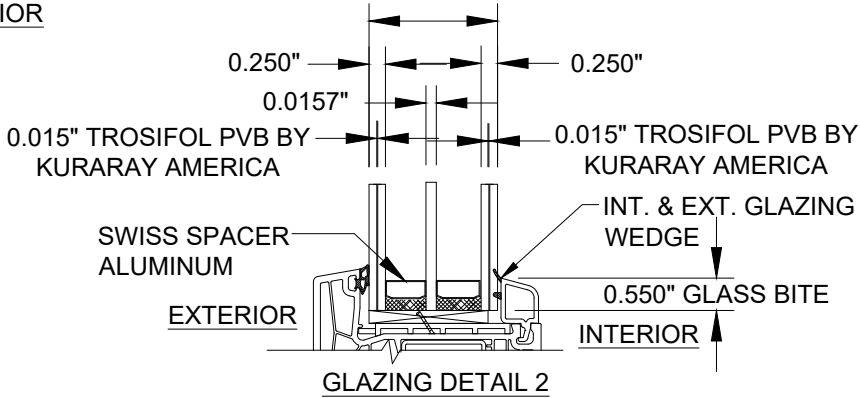
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QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	88171	MAIN FRAME HEAD, RIGID VINYL	UNILUX
2	76575	1.20" I.G. FRAME GLAZING BEAD, RIGID PVC	UNILUX
3	88372	INTEGRAL MULLION-RIGID PVC	UNILUX
4	88271	SASH - RIGID PVC	PURCHASE
5	76505	1.20" I.G. SASH GLAZING BEAD, RIGID PVC	PURCHASE
6	V309	FRAME REINFORCEMENT, GALVANIZED STEEL	PURCHASE
7	V318	INTEGRAL MULLION REINFORCEMENT, GALVANIZED STEEL	PURCHASE
8	V306	SASH REINFORCEMENT, GALVANIZED STEEL	PURCHASE
9	-----	EXTERIOR GLAZING WEDGE, EPDM	PURCHASE
10	-----	SASH WEATHERSTRIP GASKET, VINYL	PURCHASE
11	-----	#14 PH WOOD SCREW	PURCHASE
12	-----	#14 PH WOOD SCREW	PURCHASE
13	-----	GALVANIZED STEEL ANCHOR STRAP	PURCHASE

1.02" (26MM) O.A. INSULATED GLASS
CONSISTING OF:
EXT. 0.157" (4MM) ANN. GLASS, 0.706" AIR-SPACER,
0.157" (4MM) ANN. GLASS INT.



1.88" (48MM) O.A. INSULATED GLASS
CONSISTING OF:
EXT. O.A. 0.250" (6MM) ANN. LAM. VSG GLASS,
0.629" AIR-SPACER,
0.157" (4MM) ANN. GLASS CENTER
0.629" AIR-SPACER,
INT. O.A. 0.250" (6MM) ANN. LAM. VSG GLASS



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SCALE NTS	DATE 01/08/2019	SHEET 9 OF 9

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