

UNILUX GmbH
ALUMINUM CLAD WOOD
INSWING SINGLE ENTRY DOOR
INSTALLATION ANCHORAGE DETAILS

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 & 203 TEST PROTOCOLS PER TEST REPORT NO. NCTL-210-4026-01.
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. GASKET MATERIALS SHALL BE EDPM WITH A MINIMUM 60 SHORE A DUROMETER.
6. IN HVHZ AND NON-HVHZ AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS REGIONS IS NOT REQUIRED FOR THE PRODUCT(S) HEREIN.
7. MATERIALS:

7.1 FRAME:WOOD WITH SPECIFIC GRAVITY = 0.50

7.2 CLADDING:ALUMINUM 6063-T5

7.3 MISC.COMPONENTS: ALUMINUM 6063-T5

7.4 SILL:ALUMINUM 6060-T66
8. GLAZING:

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

8.2. SEE GLAZING DETAIL ON SHEET 7 OF 9.

8.3. GLASS SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE.

8.4. INTERLAYER: KURARAY AMERICA SENTRYGLAS PER CURRENT MIAMI DADE NOTICE OF ACCEPTANCE (N.O.A.)
9. PANEL OPERABILITY DESIGNATIONS:

9.1. (X) SASH IS AN OPERABLE PANEL.

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8	COMPONENTS
9	DOOR HARDWARE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

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 INSTALLATION CLIP INTO MASONRY/CONCRETE USE 1/4" 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. FOR ANCHORING INSTALLATION CLIP INTO WOOD FRAMING OR 2 BY BUCK USE #14 WOOD SCREWS (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) 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).

UNILUX GMBH NIKOLAUS-MEETH-STR. 1 DE 54528 SALMTAL, GERMANY		
ALUMINUM CLAD WOOD INSWING SINGLE ENTRY DOOR – L.M. IMPACT – HVHZ GENERAL NOTES		
DRAWN: JRM	DWG NO. NL-0062	REV —
SCALE NTS	DATE 04/07/2017	SHEET 1 OF 9

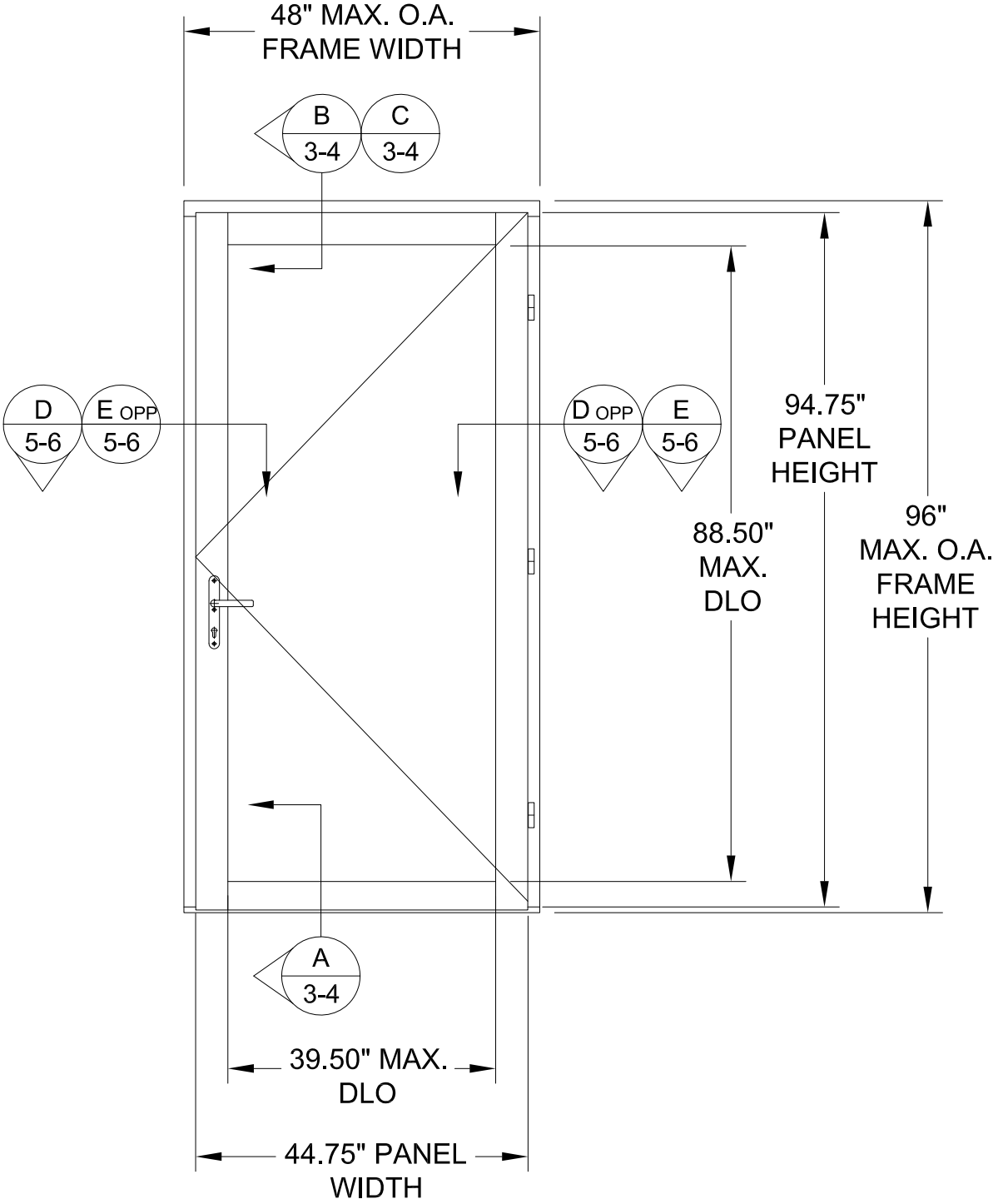
ROBERT J. AMORUSO
FL. P.E. NO. 49752

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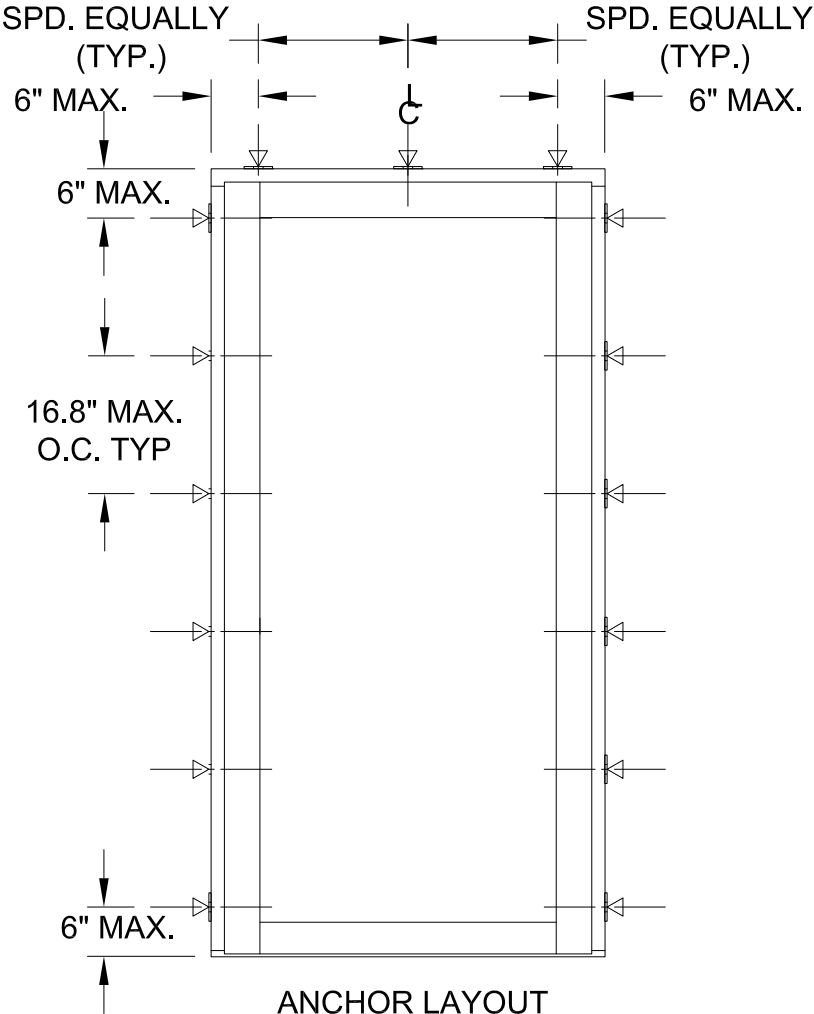
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FRAME ELEVATION
INTERIOR VIEW



NO INSTALLATION ANCHORS REQUIRED AT SILL
SEE NOTE 2, ON THIS SHEET

- NOTES
1. MAXIMUM SASH D.L.O.: 39.50" X 88.50"
 2. THROUGH FRAME ANCHORAGE SAME AS STRAP

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

UNILUX GMBH NIKOLAUS-MEETH-STR. 1 DE 54528 SALMTAL, GERMANY		
ALUMINUM CLAD WOOD INSWING SINGLE ENTRY DOOR – L.M. IMPACT – HVHZ ELEVATION AND ANCHOR LAYOUT		
DRAWN: JRM	DWG NO. NL-0062	REV —
SCALE NTS	DATE 05/17/2017	SHEET 2 OF 9

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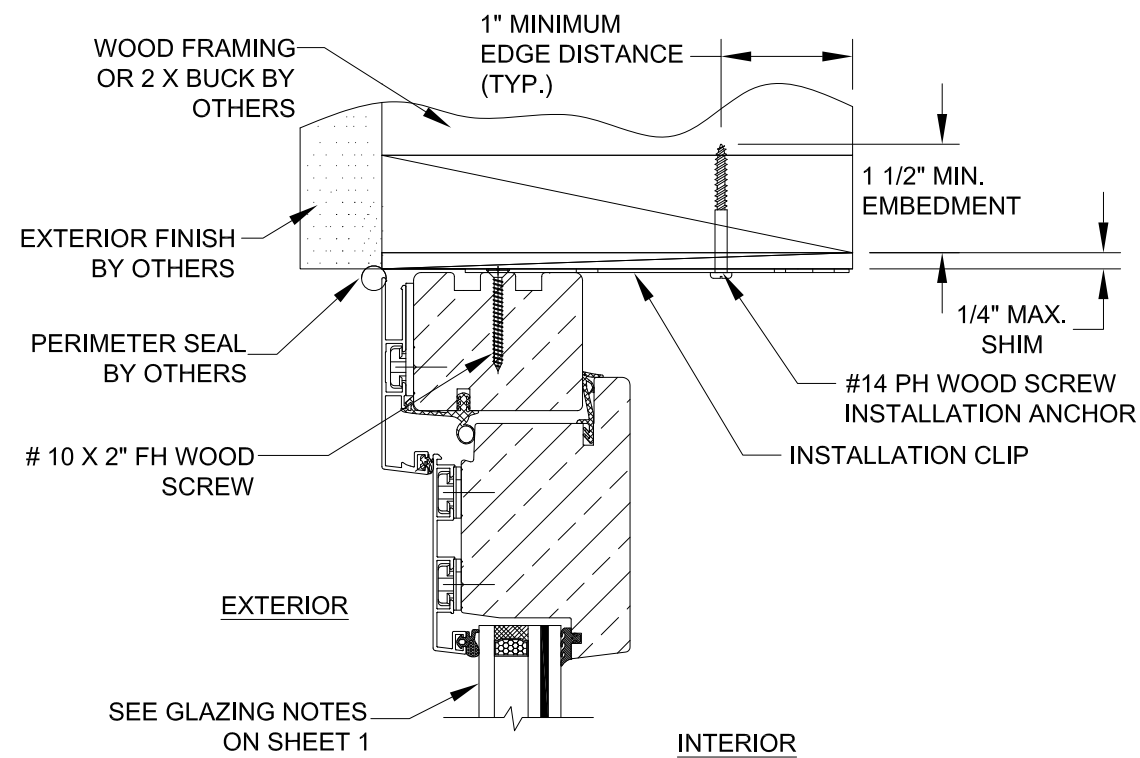
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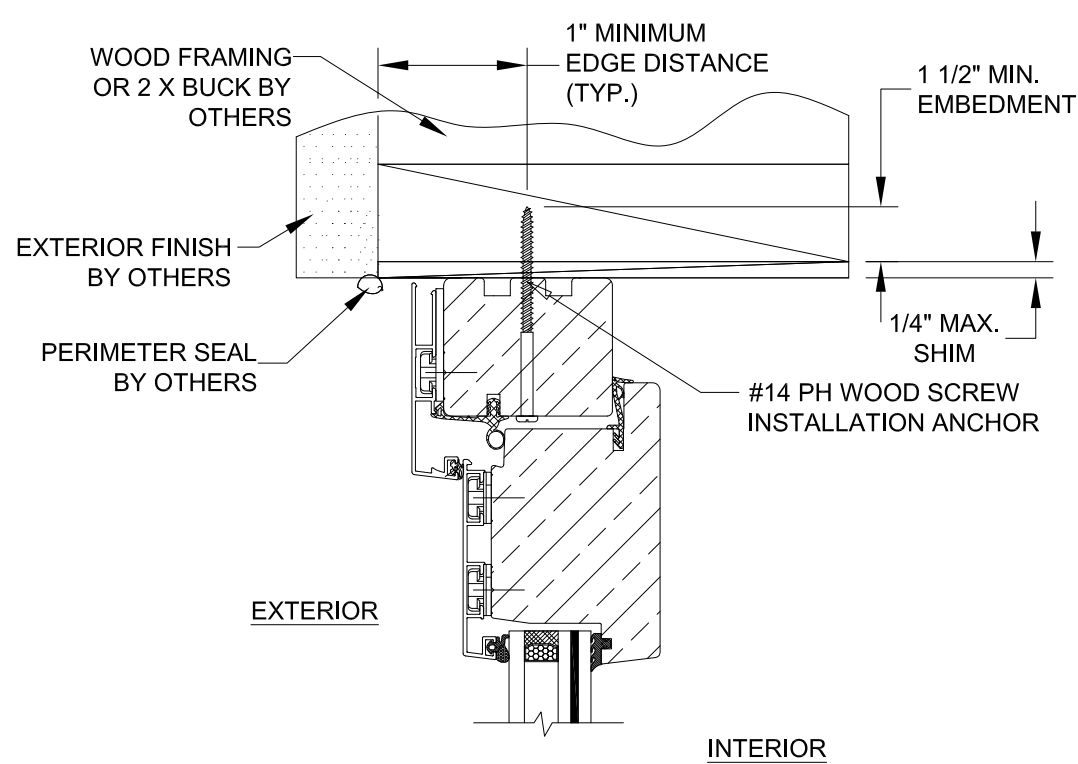
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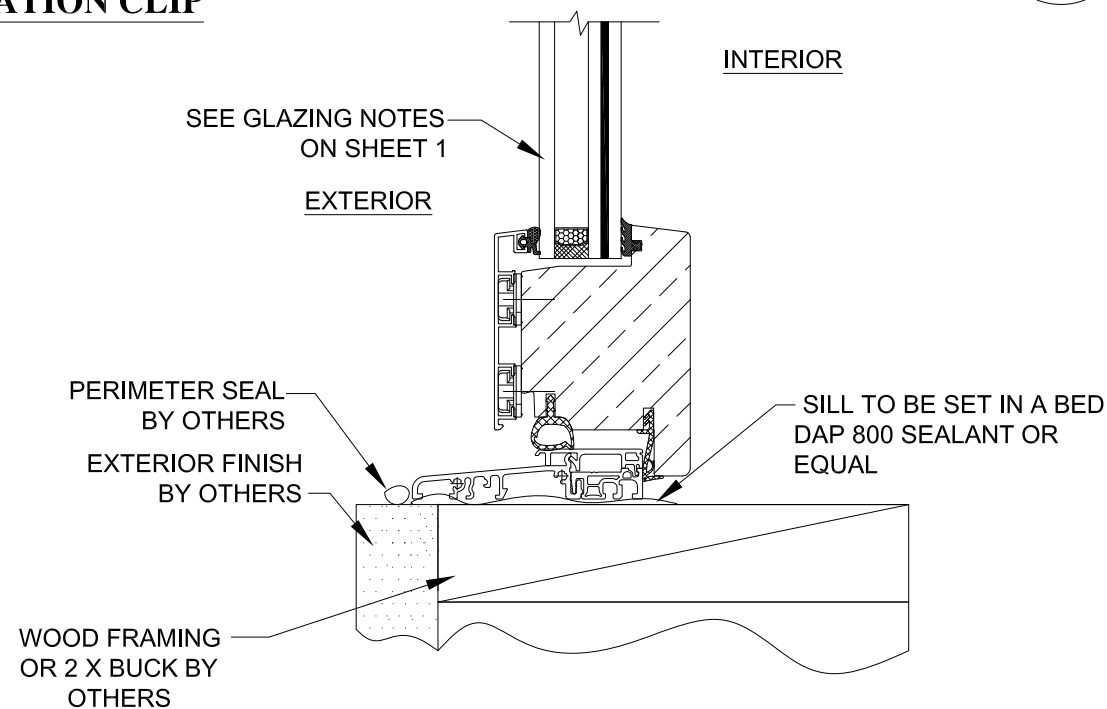
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B
3 **VERTICAL SECTION**
2 X WOOD SUBSTRATE
INSTALLATION CLIP



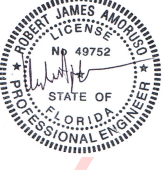
C
3 **VERTICAL SECTION**
2 X WOOD SUBSTRATE
FRAME INSTALLATION



A
3 **VERTICAL SECTION**
2 X WOOD SUBSTRATE

UNILUX GMBH NIKOLAUS-MEETH-STR. 1 DE 54528 SALMTAL, GERMANY		
ALUMINUM CLAD WOOD INSWING SINGLE ENTRY DOOR – L.M. IMPACT – HVHZ VERTICAL INSTALLATION DETAILS- 2X WOOD		
DRAWN: JRM	DWG NO. NL-0062	REV —
SCALE NTS	DATE 05/17/2017	SHEET 3 OF 9

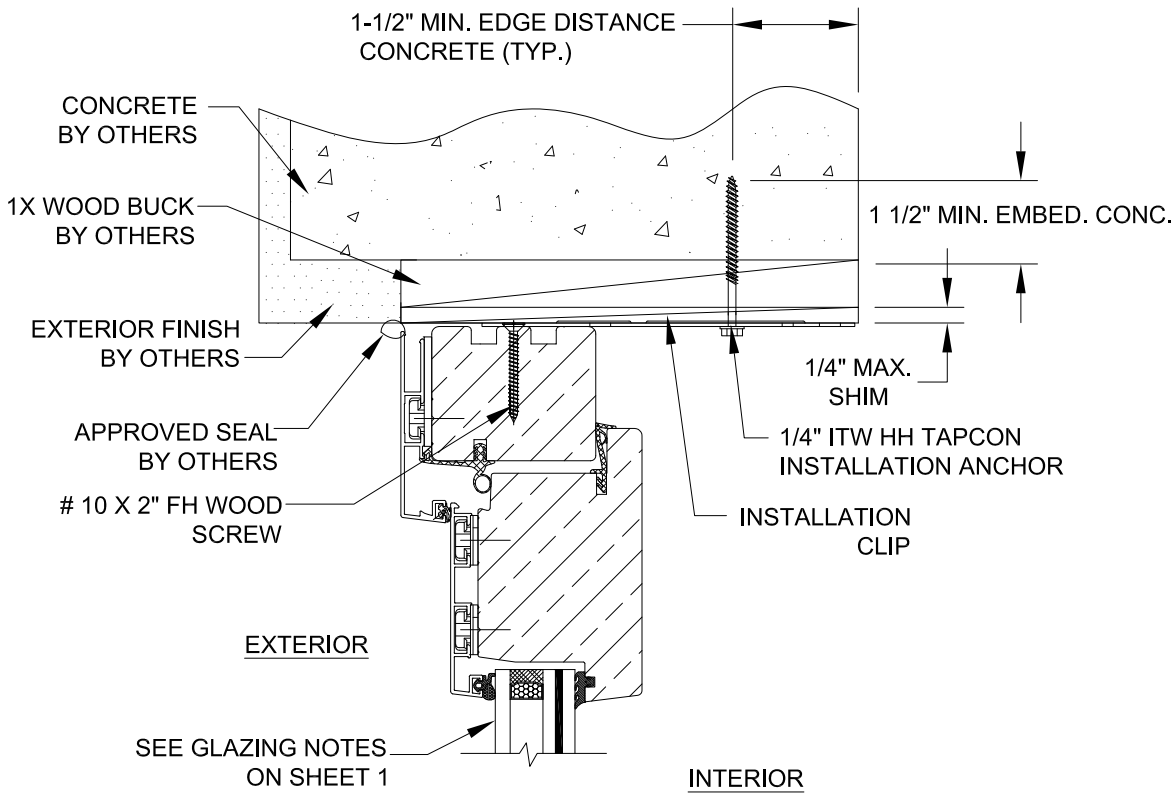
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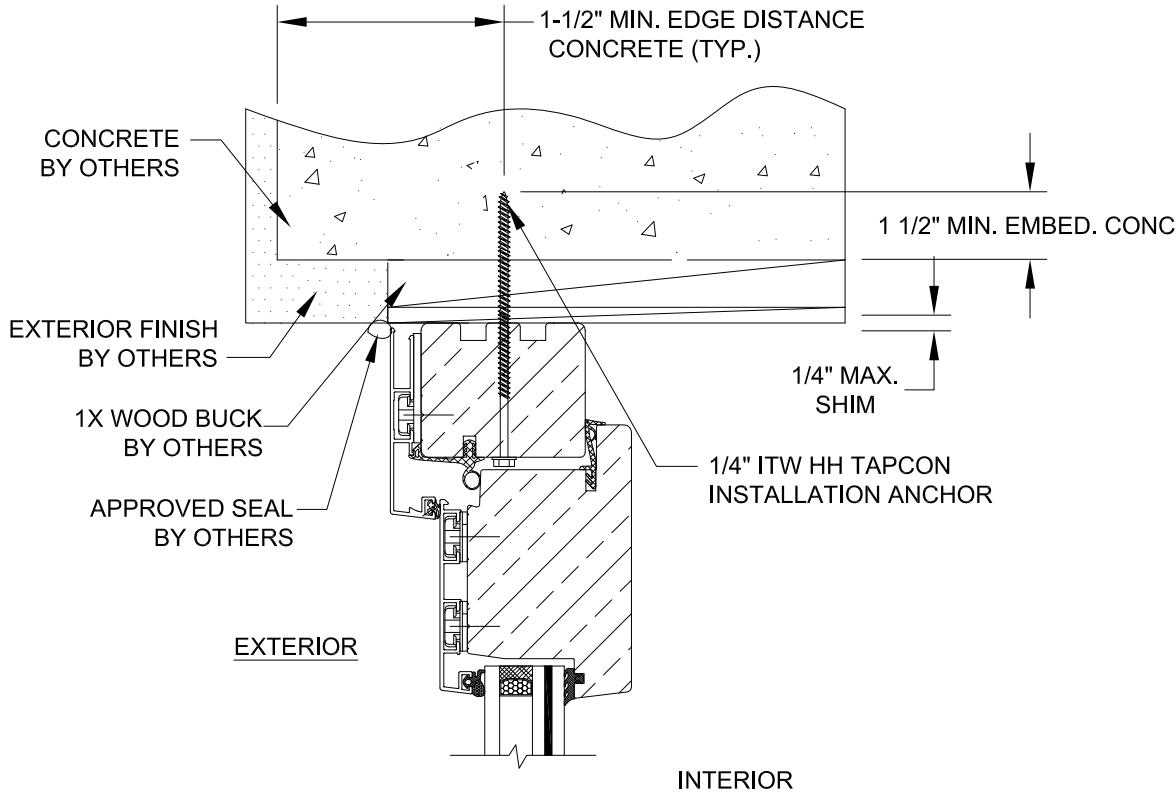
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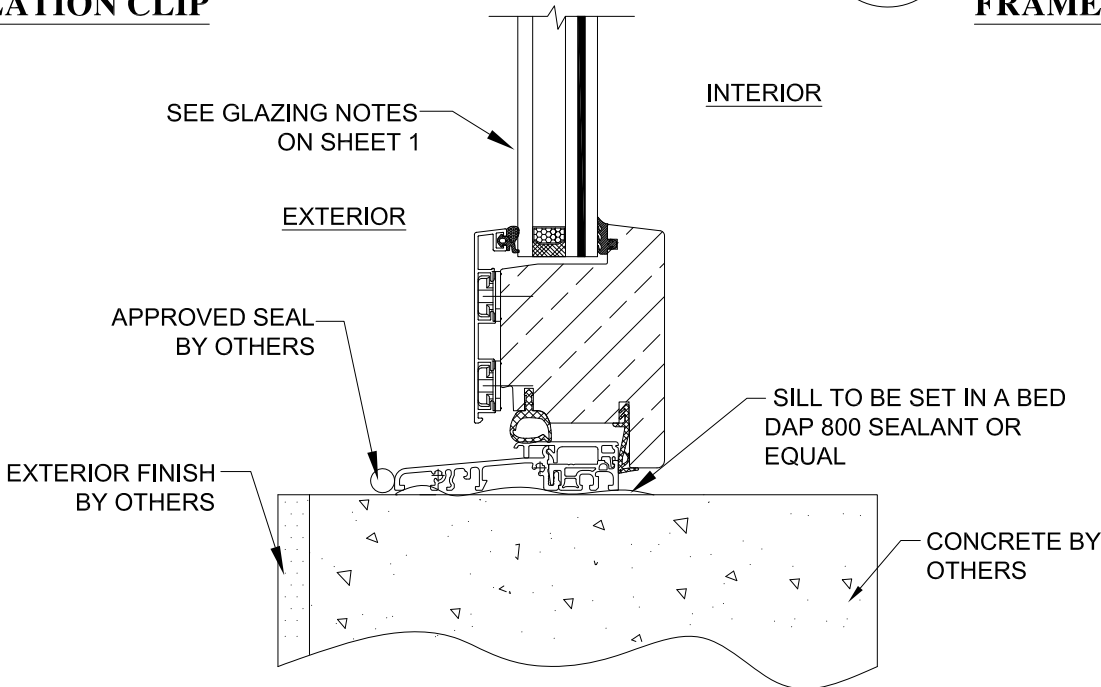
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B
4 **VERTICAL SECTION**
CONCRETE SUBSTRATE
INSTALLATION CLIP



C
4 **VERTICAL SECTION**
CONCRETE SUBSTRATE
FRAME INSTALLATION



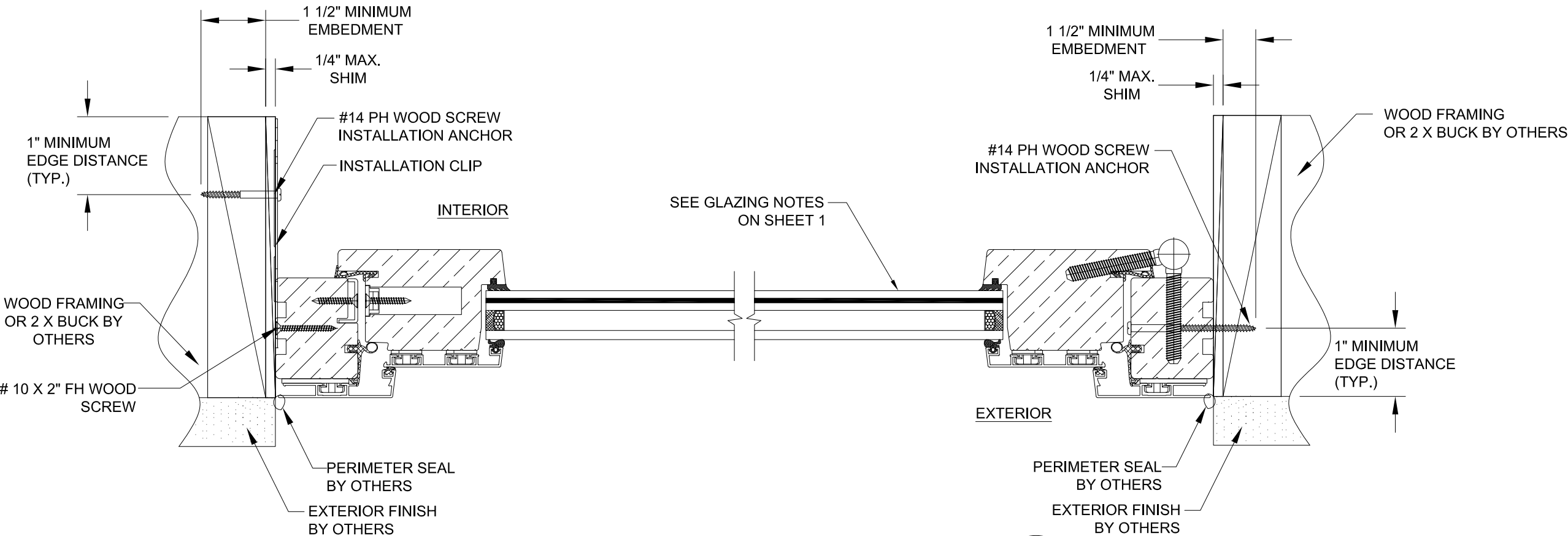
A
4 **VERTICAL SECTION**
CONCRETE SUBSTRATE

UNILUX GMBH NIKOLAUS-MEETH-STR. 1 DE 54528 SALMTAL, GERMANY		
ALUMINUM CLAD WOOD INSWING SINGLE ENTRY DOOR – L.M. IMPACT – HVHZ VERTICAL INSTALLATION DETAILS – CONCRETE		
DRAWN: JRM	DWG NO. NL-0063	REV —
SCALE NTS	DATE 05/17/2017	SHEET 4 OF 9

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D

5

HORIZONTAL SECTION
2 X WOOD SUBSTRATE
INSTALLATION CLIP

E

5

HORIZONTAL SECTION
2 X WOOD SUBSTRATE
FRAME INSTALLATION

UNILUX GMBH NIKOLAUS-MEETH-STR. 1 DE 54528 SALMTAL, GERMANY		
ALUMINUM CLAD WOOD INSWING SINGLE ENTRY DOOR – L.M. IMPACT – HVHZ HORIZONTAL INSTALLATION DETAILS – 2X WOOD		
DRAWN: JRM	DWG NO. NL-0062	REV —
SCALE NTS	DATE 05/17/2017	SHEET 5 OF 9

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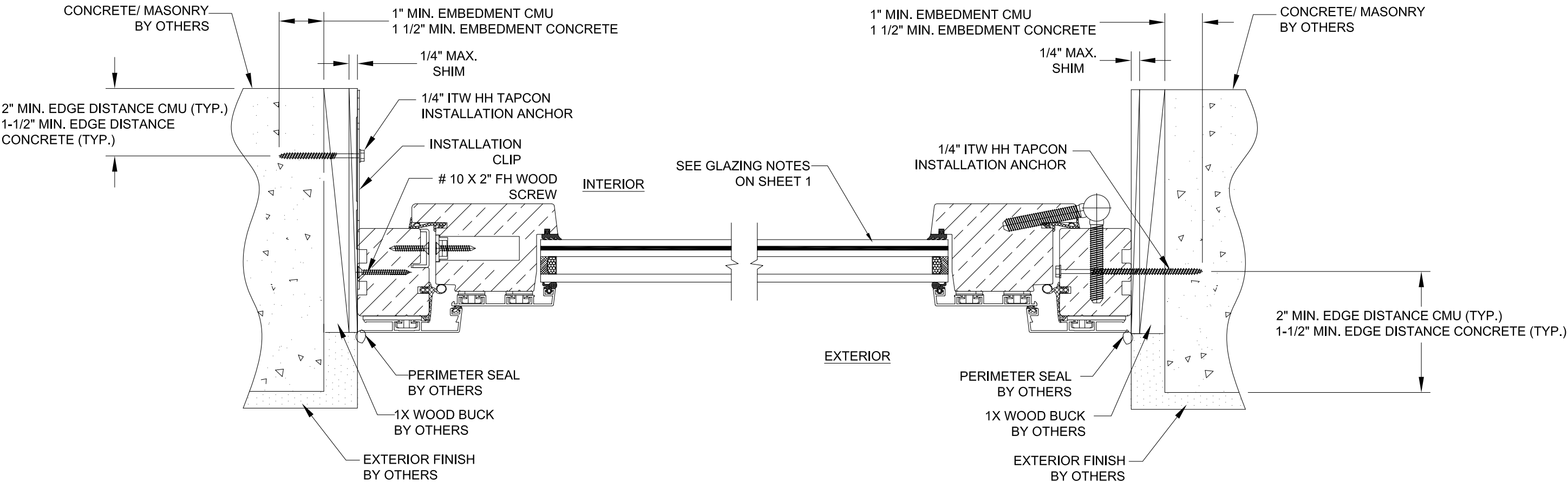
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D
6 **HORIZONTAL SECTION**
CONCRETE/MASONRY SUBSTRATE
INSTALLATION CLIP

E
6 **HORIZONTAL SECTION**
CONCRETE/MASONRY SUBSTRATE
FRAME INSTALLATION

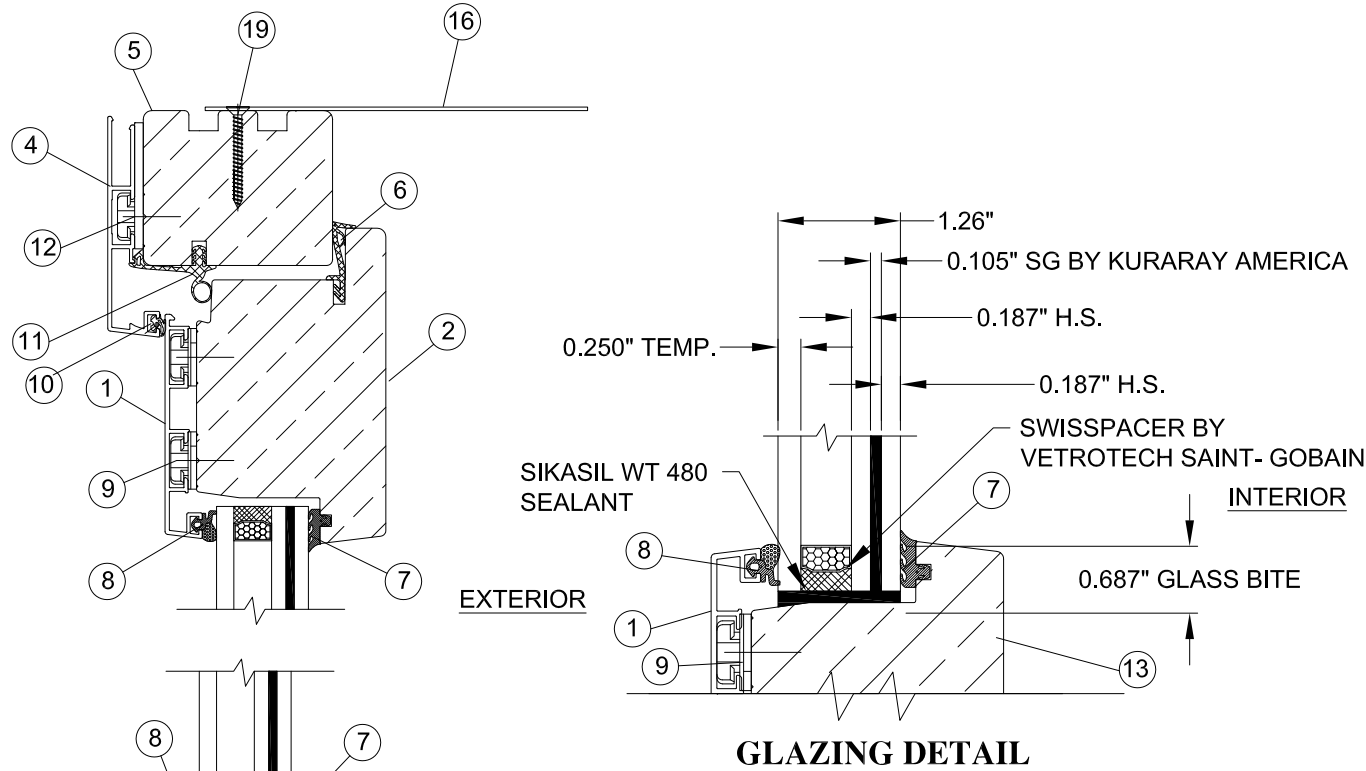
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ALUMINUM CLAD WOOD INSWING SINGLE ENTRY DOOR – L.M. IMPACT – HVHZ HORIZONTAL INSTALLATION DETAILS– CONC./CMU		
DRAWN: JRM	DWG NO. NL-0062	REV —
SCALE NTS	DATE 05/17/2017	SHEET 6 OF 9

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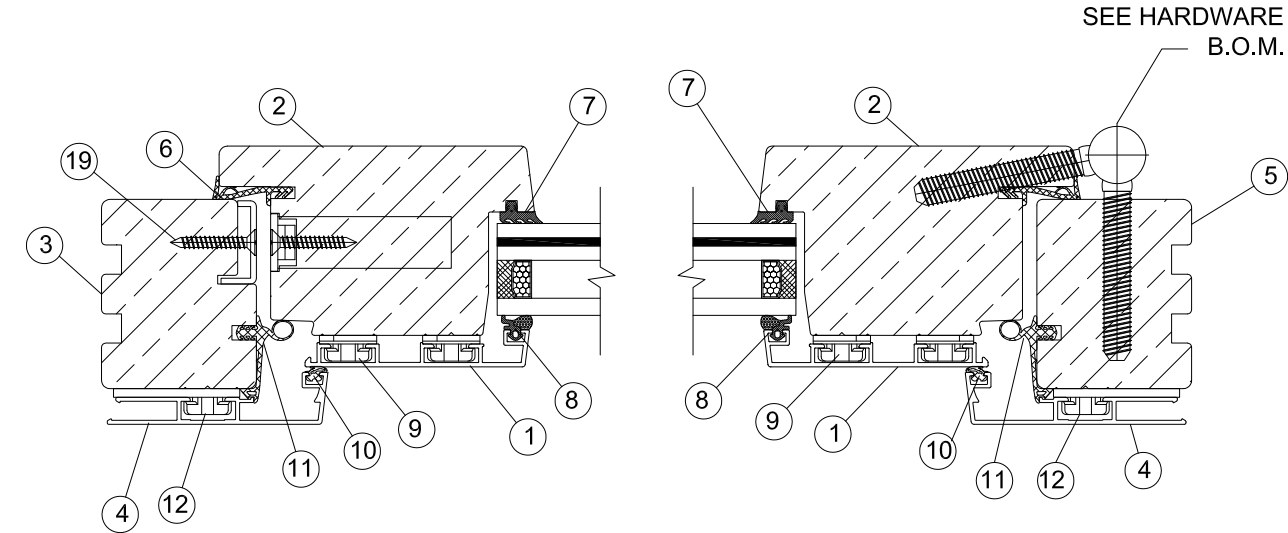
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	E43-0005	SASH CLADDING, 6060-T5 ALUMINUM	UNILUX
2	F41-0013	SASH, TOP & SIDE WOOD G .50	UNILUX
3	F48-0002	FRAME, LOCK SIDE JAMB WOOD G. .50	UNILUX
4	E43-0002	FRAME CLADDING FASTENER, PLASTIC GF 30	UNILUX
5	F41-0006	FRAME TOP JAMB WOOD G. .50	UNILUX
6	E48-0002	SASH GASKET, EPDM 60 DUR	UNILUX
7	E41-1002	INT. GLAZING GASKET EPDM DUR 80	UNILUX
8	E41-1029	EXT. GLAZING GASKET EPDM DUR 80	UNILUX
9	E41-0114	SASH CLADDING FASTENER, PLASTIC GF 30	UNILUX
10	SAD-NEG	FRAME GASKET EPDM DUR 80	UNILUX
11	E48-0001	FRAME GASKET EPDM DUR 80	UNILUX
12	E41-0116	FRAME CLADDING FASTENER, PLASTIC GF 30	UNILUX
13	FL98_BS_43	SASH BOTTOM WOOD G. .50	UNILUX
14	E49-2001	TOP COVER THRESHOLD, PLASTIC GF 30	UNILUX
15	BKV_Eifel90_TB	THRESHOLD ASSEMBLY, 6060-T5 ALUMINUM	UNILUX
16	PURCHASE	0.0551" THICK GALVANIZED INSTALLATION CLIP	SIMPSON
17	PURCHASE	#14 PH WOOD INSTALLATION SCREW	UNILUX
18	PURCHASE	1/4" I.T.W, HH MASONRY ANCHOR	UNILUX
19	PURCHASE	#10 X 2" WOOD SCREW	UNILUX
20	PURCHASE	GLAZING SEALANT, SIKASIL WT-480	SIKA



VERTICAL CROSS SECTION
FOR PARTS IDENTIFICATION



HORIZONTAL CROSS SECTION
FOR PARTS IDENTIFICATION

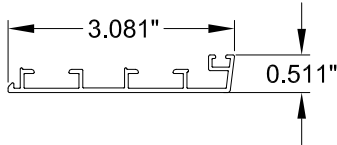
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ALUMINUM CLAD WOOD INSWING SINGLE ENTRY DOOR – L.M. IMPACT – HVHZ CROSS SECTIONS, GLAZING & B.O.M.		
DRAWN: JRM	DWG NO. NL-0062	REV —
SCALE NTS	DATE 05/17/2017	SHEET 7 OF 9

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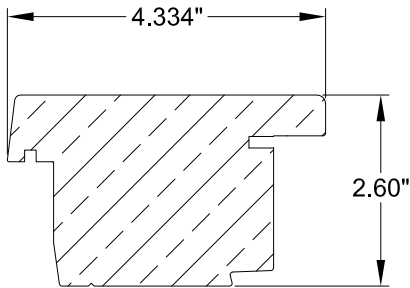
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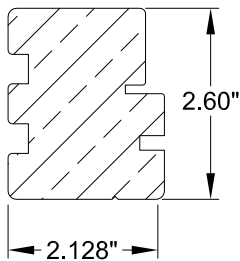
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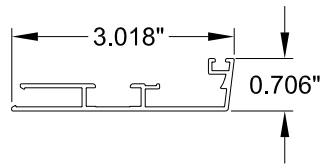
1 SASH CLADDING PROFILE E43-0005
ALUMINUM 6060 T5 0.055" THICK



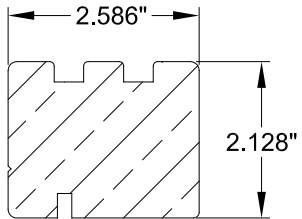
2 SASH TOP & SIDE
F41-0013, WOOD



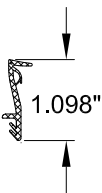
3 FRAME LOCKSIDE JAMB
F48-0002, WOOD



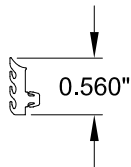
4 FRAME CLADDING PROFILE E43-0002
ALUMINUM 6060 T5 0.055" THICK



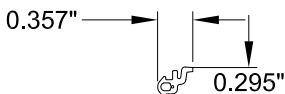
5 FRAME TOP JAMB
F41-0006, WOOD



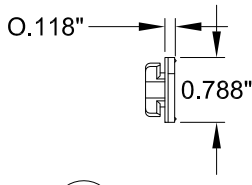
6 SASH GASKET E48-0002
EPDM 60 DUR



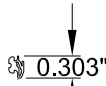
7 INT. GLAZING GASKET
E41-1002 EPDM 80 DUR



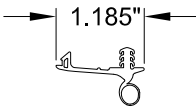
8 EXT. GLAZING GASKET
E41-1029 EPDM 80 DUR



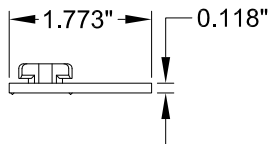
9 SASH CLADDING FASTENER
E41-0114 PLASTIC GF 30



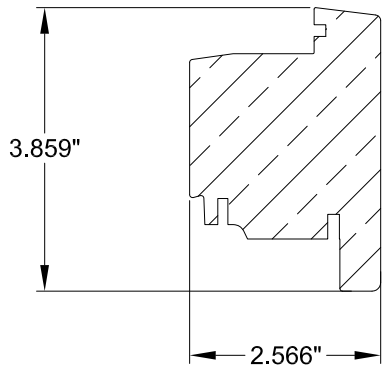
10 FRAME GASKET
SAD-NEG EPDM 80 DUR



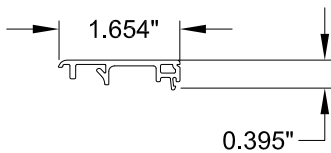
11 FRAME GASKET
E48-0001 EPDM 80 DUR



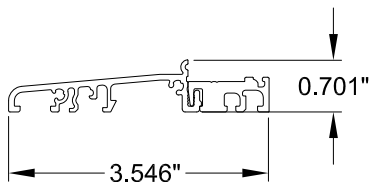
12 FRAME CLADDING FASTENER
E41-0116 PLASTIC GF 30



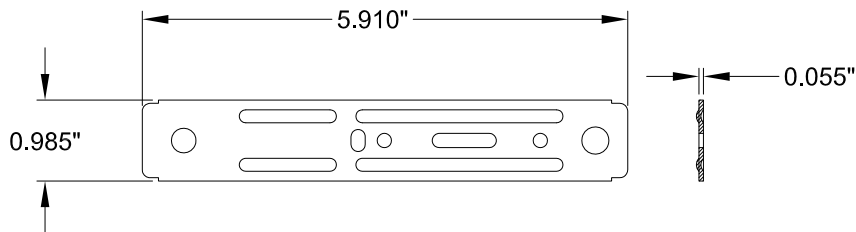
13 SASH BOTTOM
FL98_BS_43, WOOD



14 TOP COVER THRESHOLD
E49-2001 PLASTIC GF 30



15 THRESHOLD ASSEMBLY BKV_Eifel90_TB
ALUMINUM 6060 T5 0.055" THICK



16 INSTALLATION CLIP
GALVANIZED STEEL
0.0551" THICK

UNILUX GMBH NIKOLAUS-MEETH-STR. 1 DE 54528 SALMTAL, GERMANY		
ALUMINUM CLAD WOOD INSWING SINGLE ENTRY DOOR – L.M. IMPACT – HVHZ COMPONENTS		
DRAWN: JRM	DWG NO. NL-0062	REV —
SCALE NTS	DATE 05/17/2017	SHEET 8 OF 9

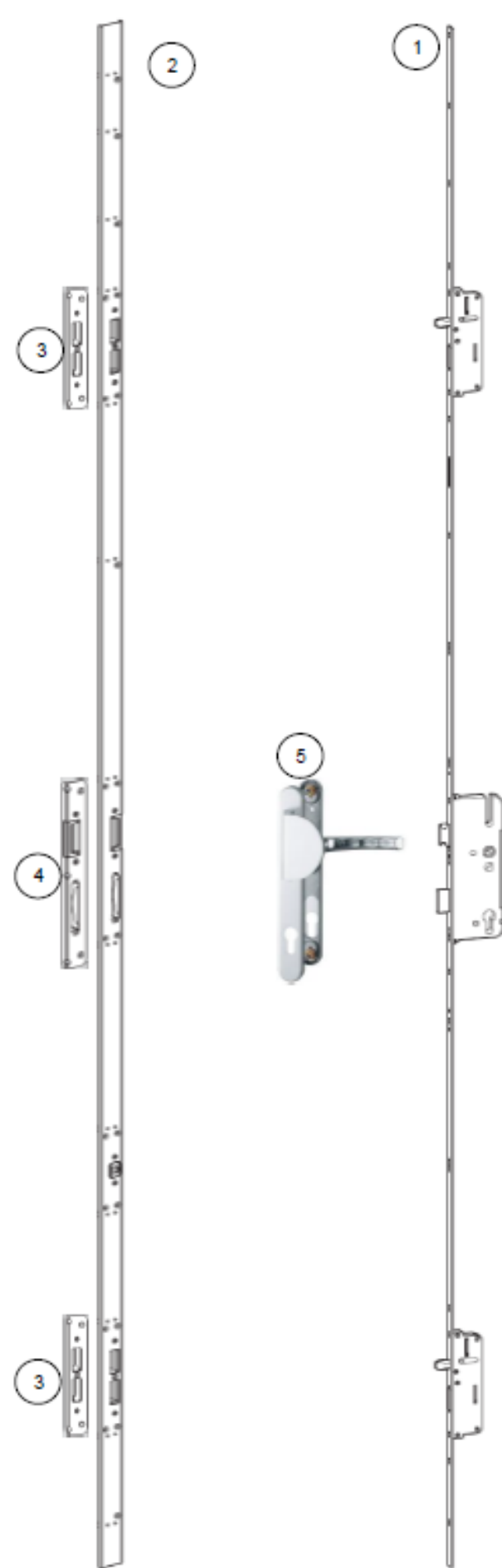
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DOOR HARDWARE

Qty.	Partnumber	Description	Manufacturer
1	611363	Gear C500	Roto
2	629725	Lockbar 4/15/29	Roto
3	609982	Striker	Roto
4	450214	Lockplate	Roto
5	554/3346/1710RH	Handle Set	Hoppe
6	TO320M-HSR-FR-WV-S S2	Hinge TOP320	Anuba

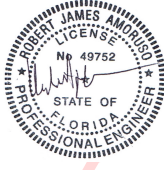
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REV	DESCRIPTION	DATE	APPROVED

UNILUX GMBH
NIKOLAUS-MEETH-STR. 1
DE 54528 SALMTAL, GERMANY

ALUMINUM CLAD WOOD INSWING
SINGLE ENTRY DOOR – L.M. IMPACT – HVHZ
DOOR HARDWARE

DRAWN: JRM	DWG NO. NL-0062	REV —
SCALE NTS	DATE 05/17/2017	SHEET 9 OF 9

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