

UNILUX GmbH
SERIES "ADT" ALUMINUM CLAD
WOOD O.S. ENTRY DOOR
INSTALLATION ANCHORAGE DETAILS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

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, 201 & 203 TEST PROTOCOLS.
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. 1 BY BUCK OVER MASONRY AND/OR CONCRETE IS OPTIONAL. WHERE 1 BY 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 NON-HVHZ OR 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
8. 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. DESIGNATIONS "X" STANDS FOR OPERABLE PANEL.

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 INTO THROUGH FRAME OR 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 THROUGH FRAME OR 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).

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2	ELEVATION & ANCHOR LAYOUTS
3-6	INSTALLATION DETAILS
7	BILL OF MATERIALS AND GLAZING DETAIL
8	COMPONENTS
9	HARDWARE DETAILS

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

UNILUX ADT ALUM CLAD WOOD O/S FRENCH DOOR
48" X 96" L.M. IMPACT HVHZ
GENERAL NOTES

DRAWN:
JRM

DWG NO.
NL-0084

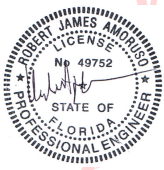
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DATE 11/10/2016

SHEET 1 OF 9

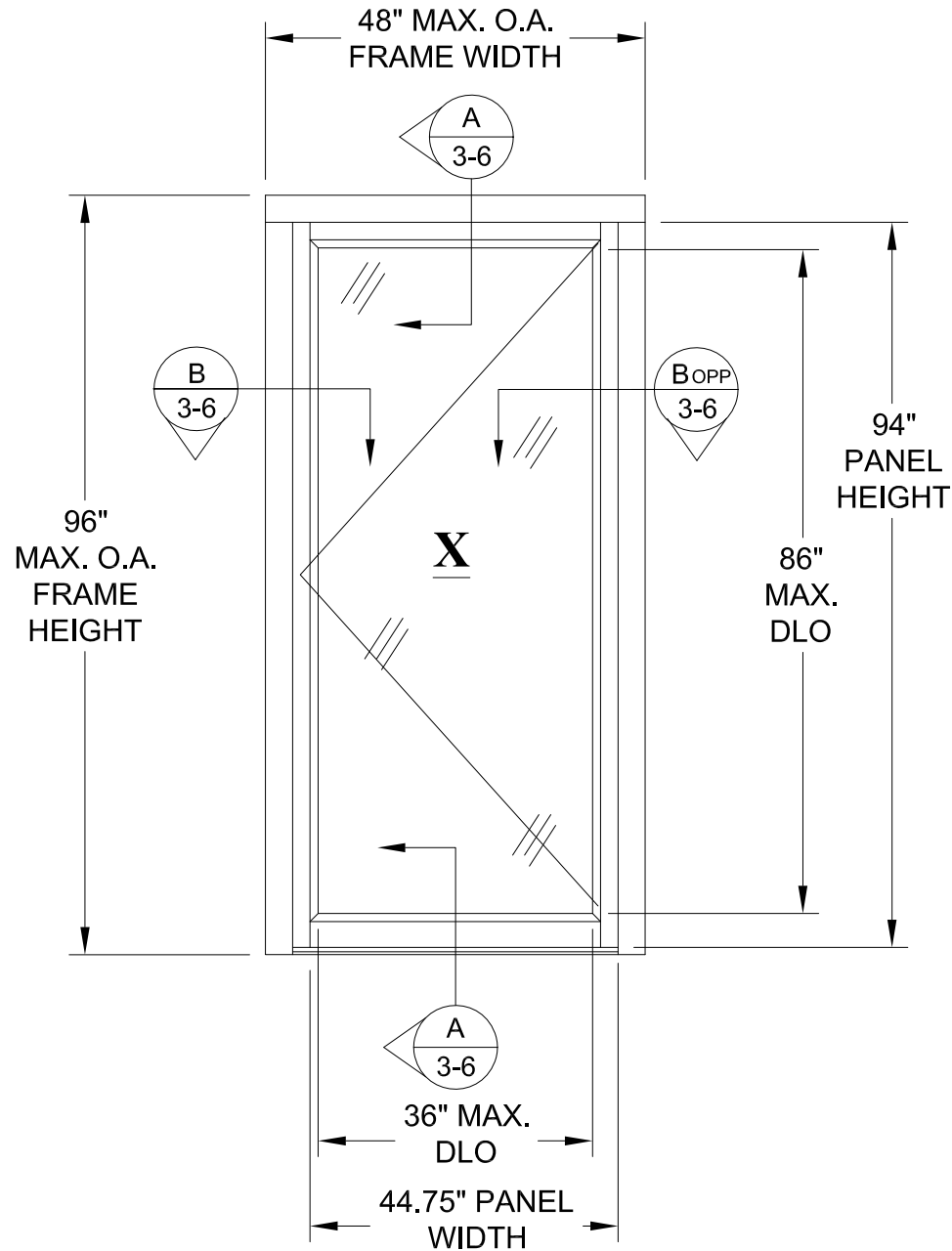
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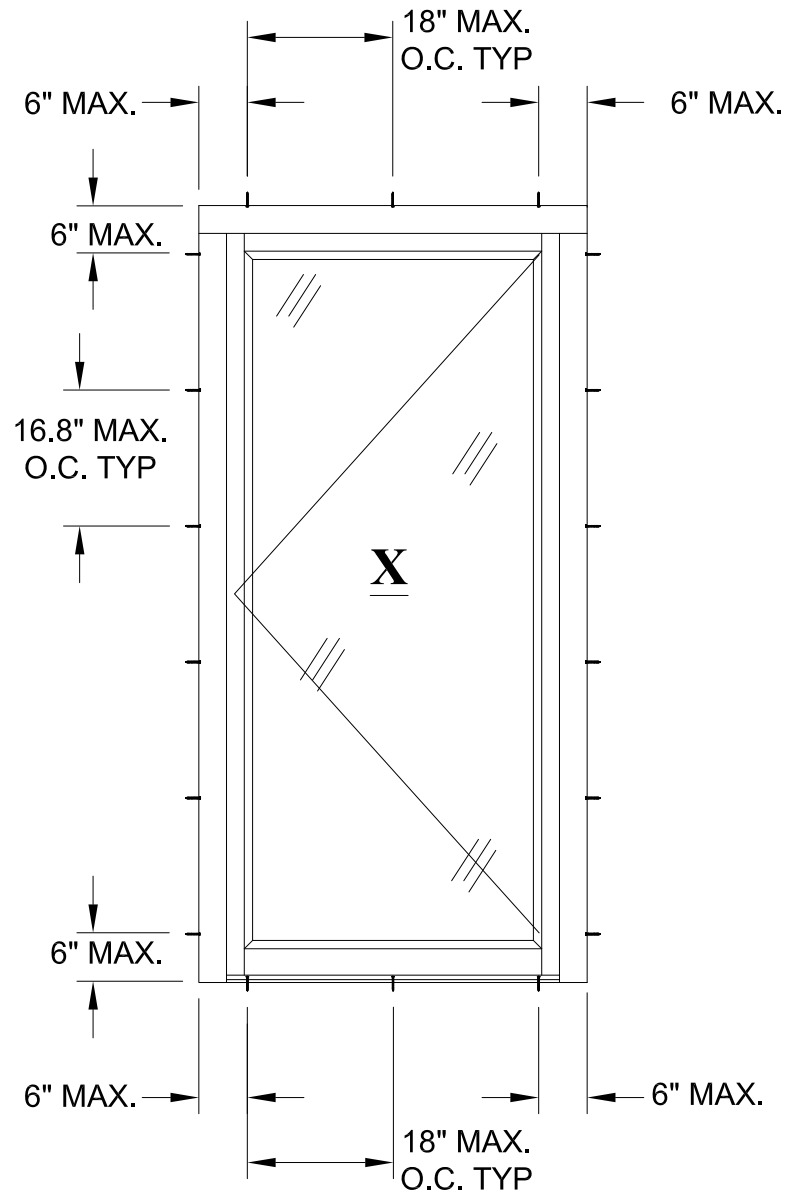
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**SERIES "ADT" ALUMINUM CLAD WOOD
O.S. SINGLE ENTRY DOOR
INTERIOR VIEW**



**ANCHOR LAYOUT
INTERIOR VIEW**

- NOTES
1. MAXIMUM PANEL D.L.O.: 36" X 86"
 2. MAXIMUM PANEL SIZE: 44.75" X 94"

DESIGN PRESSURE RATING	HVHZ IMPACT RATING
+ 65.0 PSF / -70.0 PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 EQUIVALENT

UNILUX GmbH NIKOLAUS-MEETH, STR. 1 DE 54528 SALMTAL, GERMANY		
UNILUX ADT ALUM CLAD WOOD O/S FRENCH DOOR 48" X 96" L.M. IMPACT HVHZ ELEVATION AND ANCHOR LAYOUTS		
DRAWN: JRM	DWG NO. NL-0084	REV —
SCALE NTS	DATE 11/10/2016	SHEET 2 OF 9

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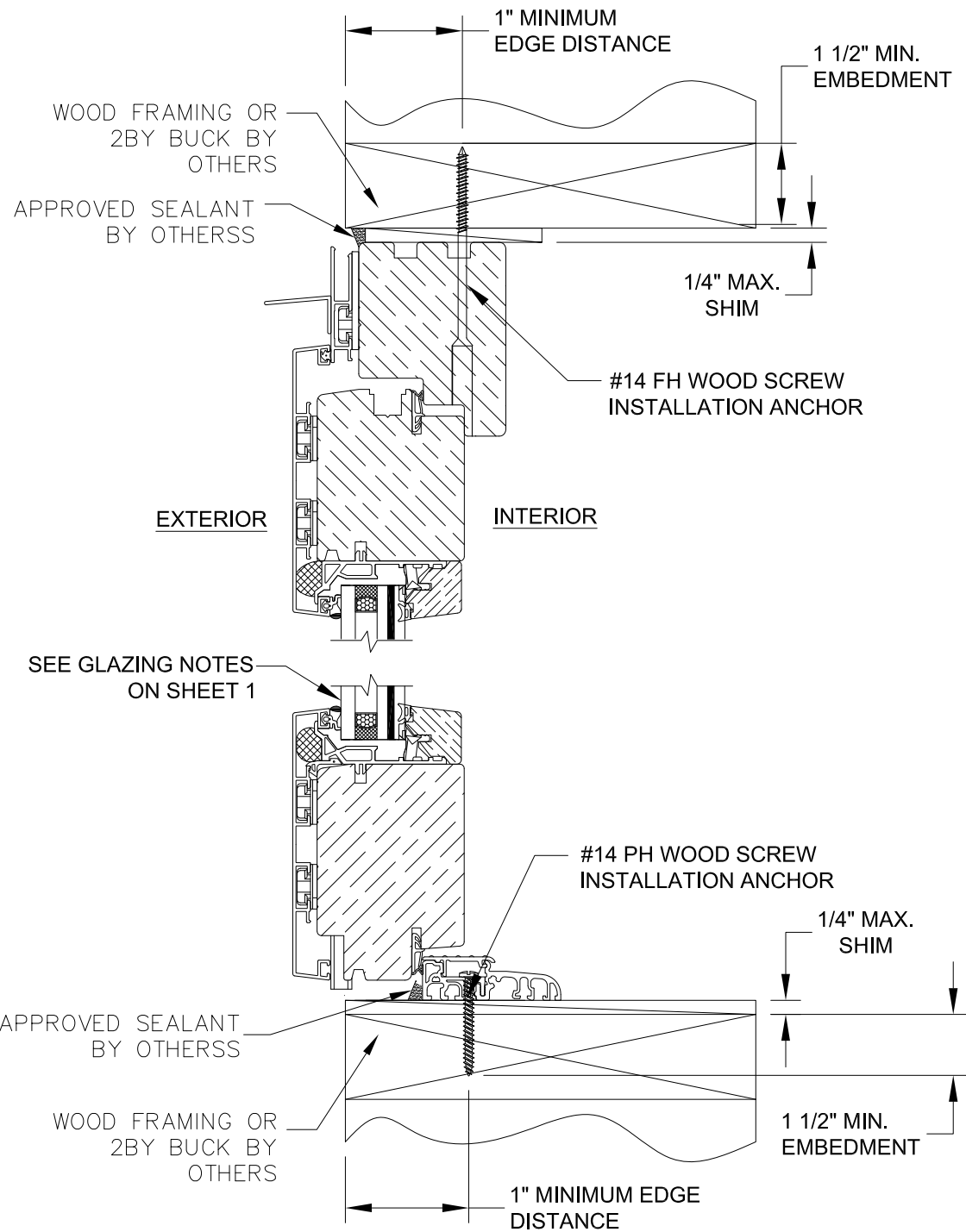
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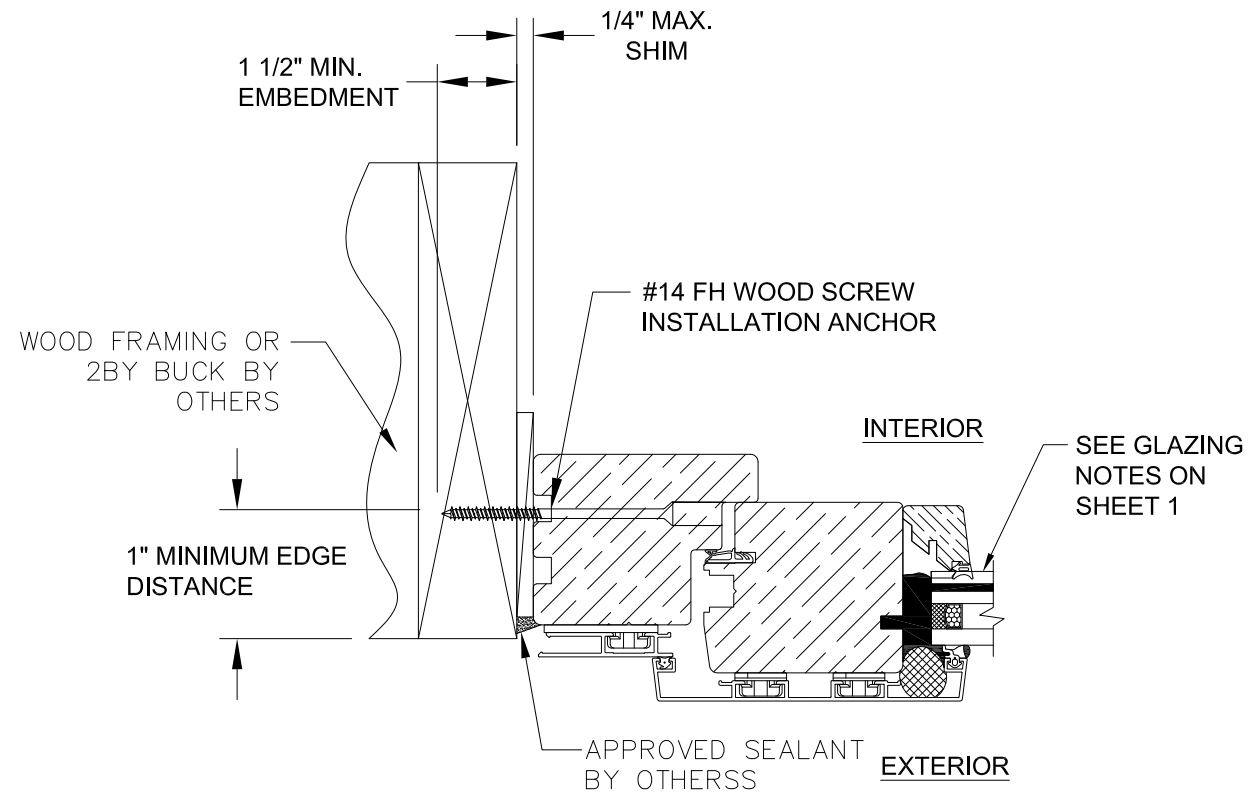
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A
3 **VERTICAL SECTION**
2 BY WOOD SUBSTRATE
FRAME INSTALLATION

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES BY OTHERS NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.

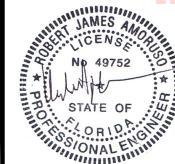


B
3 **HORIZONTAL SECTION**
2 BY WOOD SUBSTRATE
FRAME INSTALLATION

UNILUX GmbH NIKOLAUS-MEETH, STR. 1 DE 54528 SALMTAL, GERMANY		
UNILUX ADT ALUM CLAD WOOD O/S FRENCH DOOR 48" X 96" L.M. IMPACT HVHZ THROUGH FRAME INSTALLATION DETAILS-WOOD		
DRAWN: JRM	DWG NO. NL-0084	REV -
SCALE NTS	DATE 11/10/2016	SHEET 3 OF 9

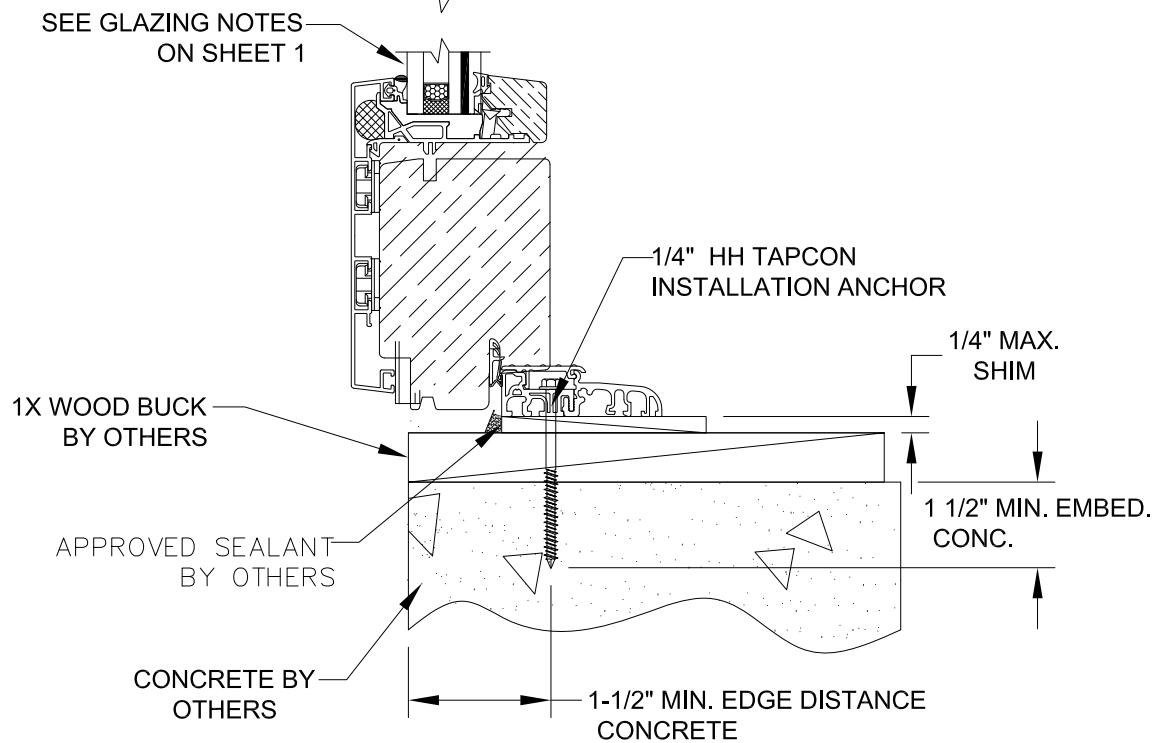
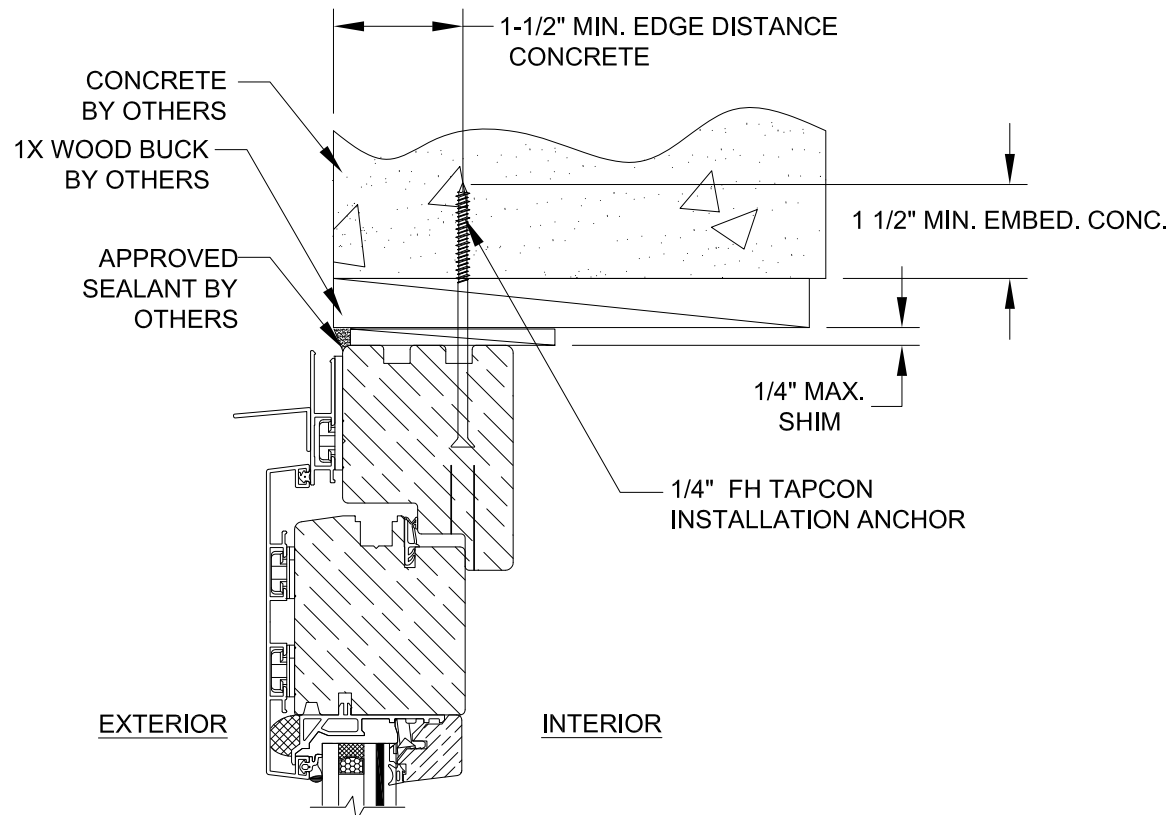
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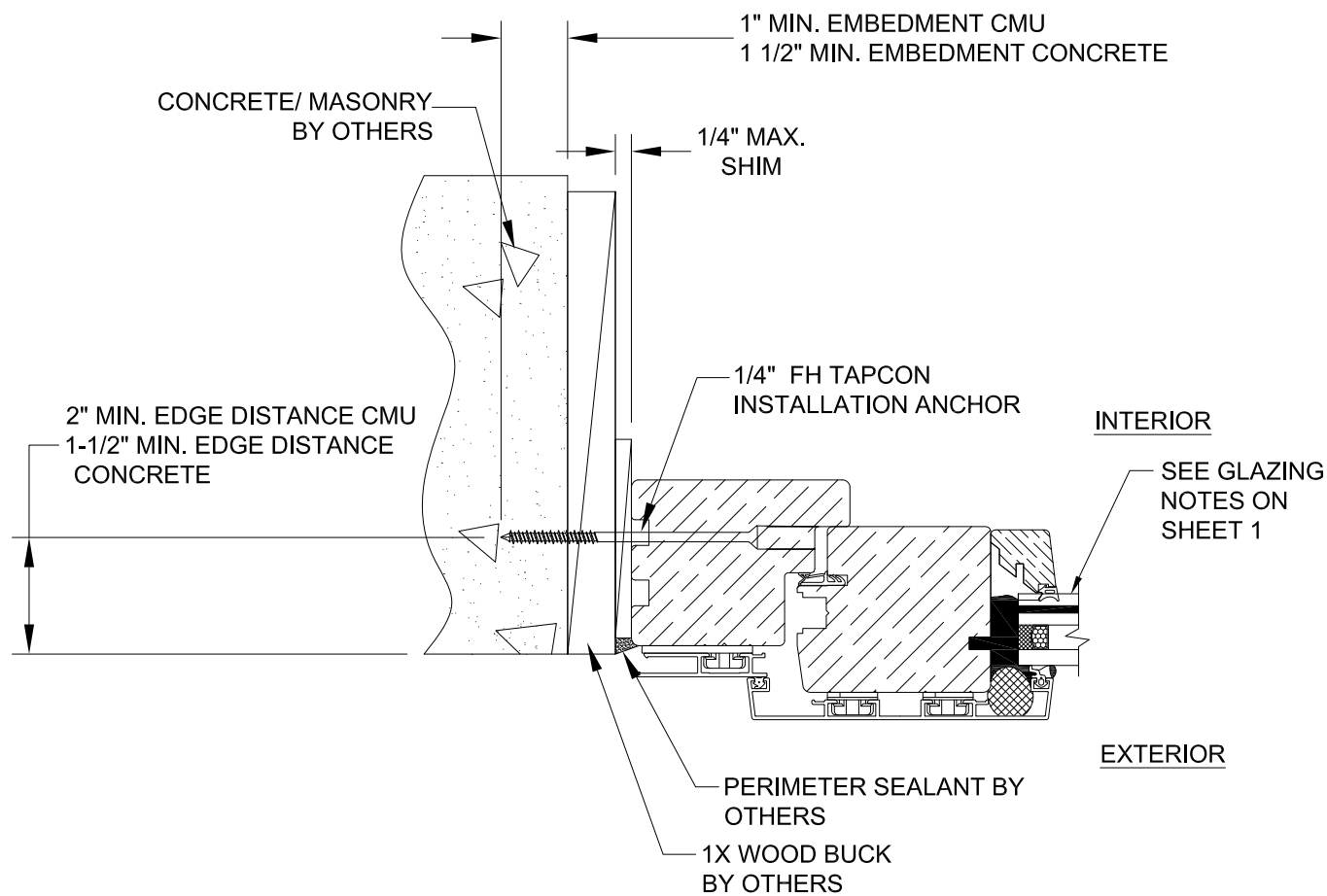
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A
4 **VERTICAL SECTION**
CONCRETE SUBSTRATE
FRAME INSTALLATION

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES BY OTHERS NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.



B
4 **HORIZONTAL SECTION**
CON. / MASONRY SUBSTRATE
FRAME INSTALLATION

UNILUX GmbH NIKOLAUS-MEETH, STR. 1 DE 54528 SALMTAL, GERMANY		
UNILUX ADT ALUM CLAD WOOD O/S FRENCH DOOR 48" X 96" L.M. IMPACT HVHZ THROUGH FRAME INSTALLATION-MASONRY/CONC.		
DRAWN: JRM	DWG NO. NL-0084	REV —
SCALE NTS	DATE 11/10/2016	SHEET 4 OF 9

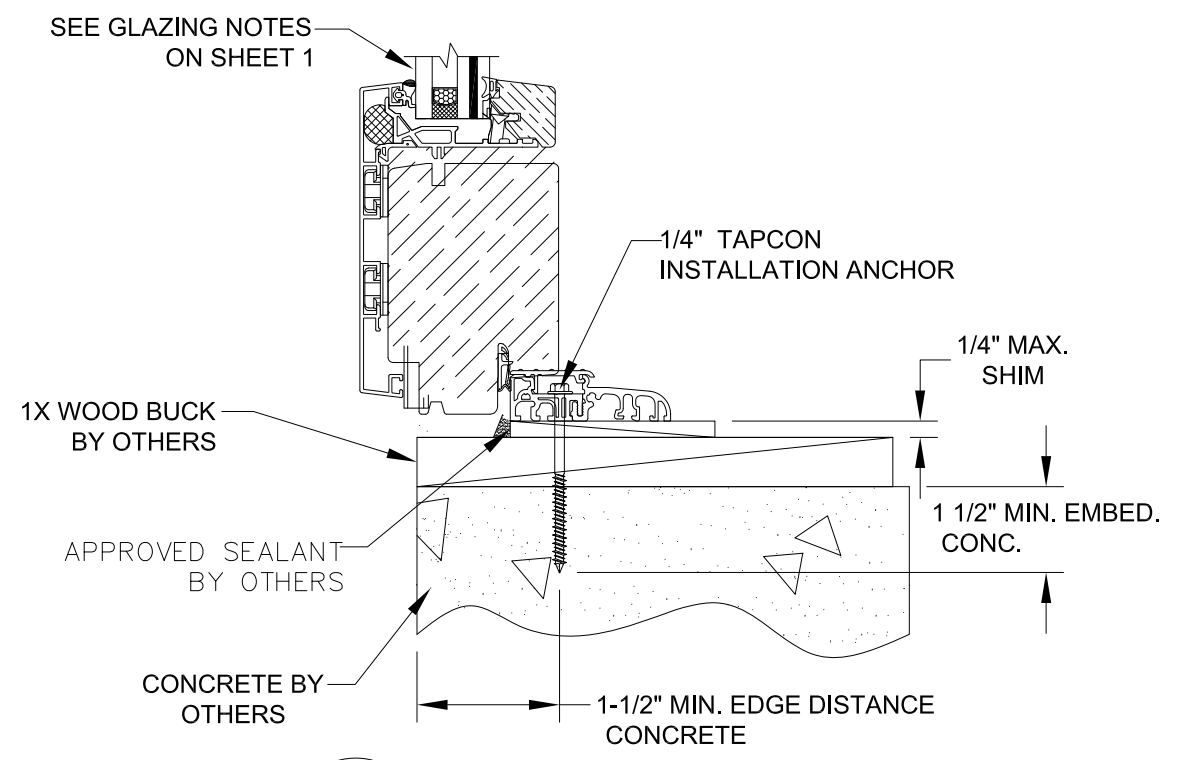
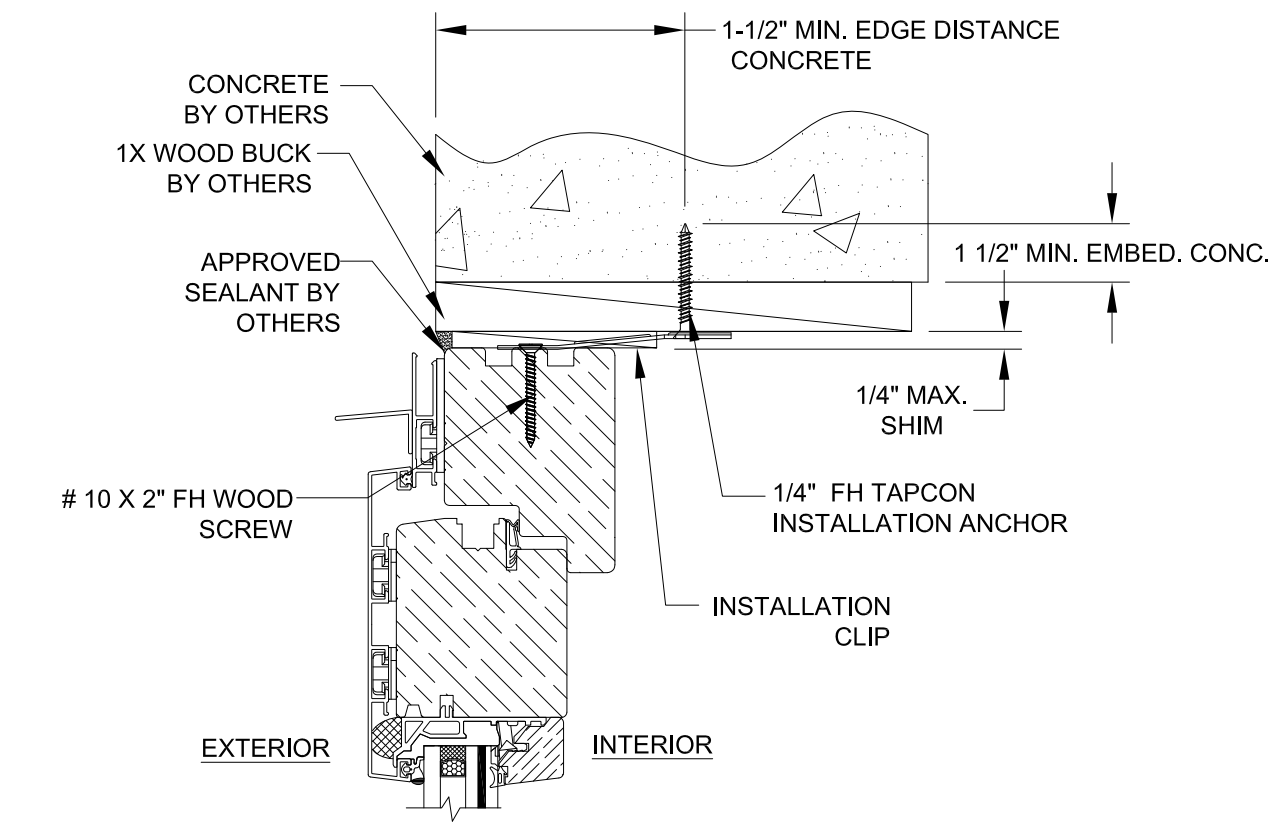
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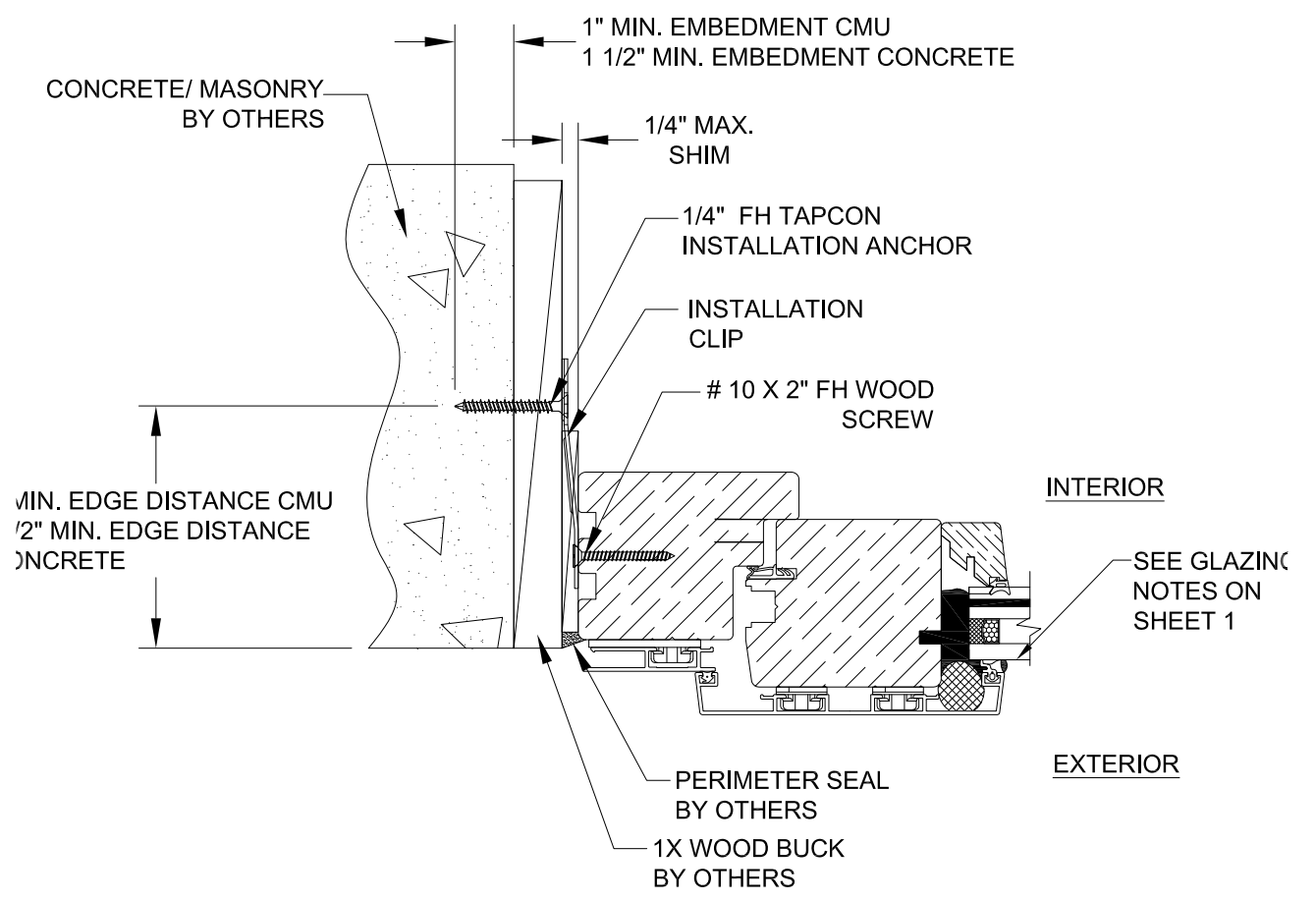
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A
5 **VERTICAL SECTION**
CONCRETE SUBSTRATE
CLIP INSTALLATION

B
5 **HORIZONTAL SECTION**
CONC. / MASONRY SUBSTRATE
CLIP INSTALLATION

- NOTES:
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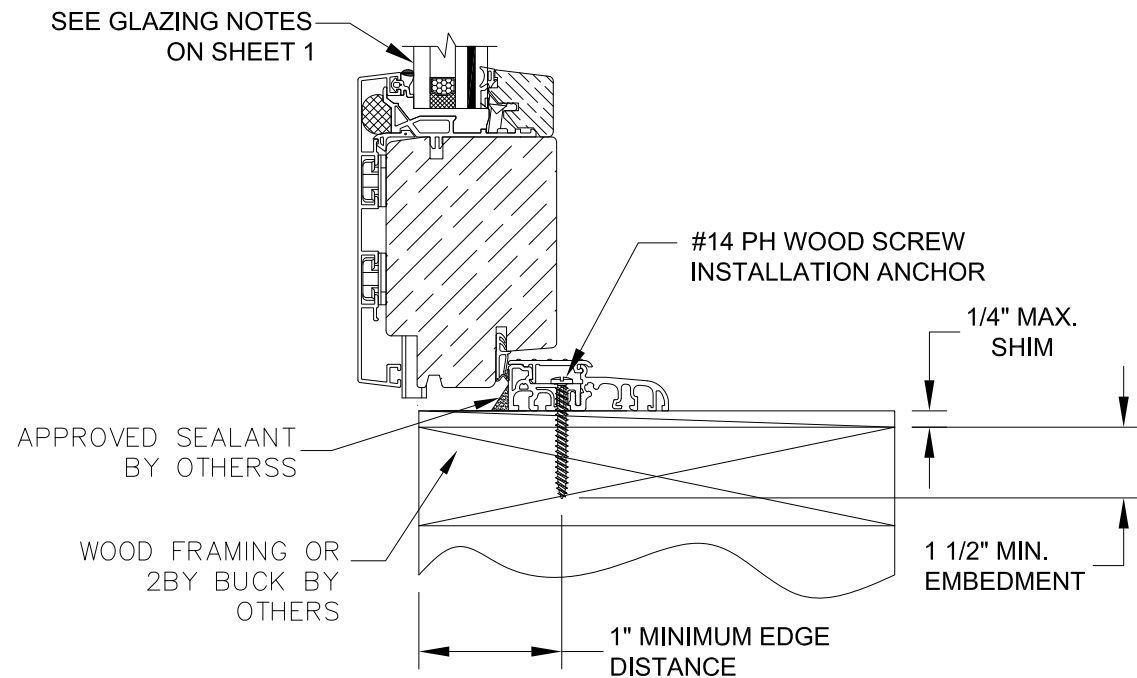
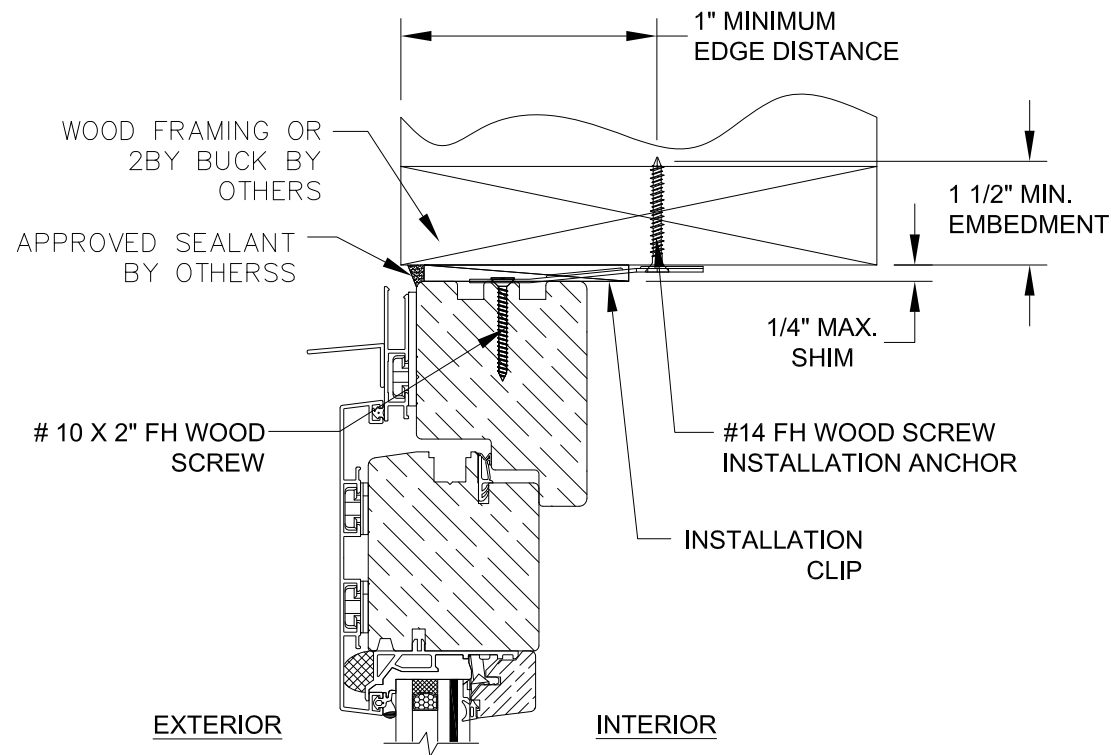
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UNILUX ADT ALUM CLAD WOOD O/S FRENCH DOOR 48" X 96" L.M. IMPACT HVHZ ANCHOR STRAP INSTALLATION-MASONRY/CONC.		
DRAWN: JRM	DWG NO. NL-0084	REV -
SCALE NTS	DATE 10/10/2016	SHEET 5 OF 9

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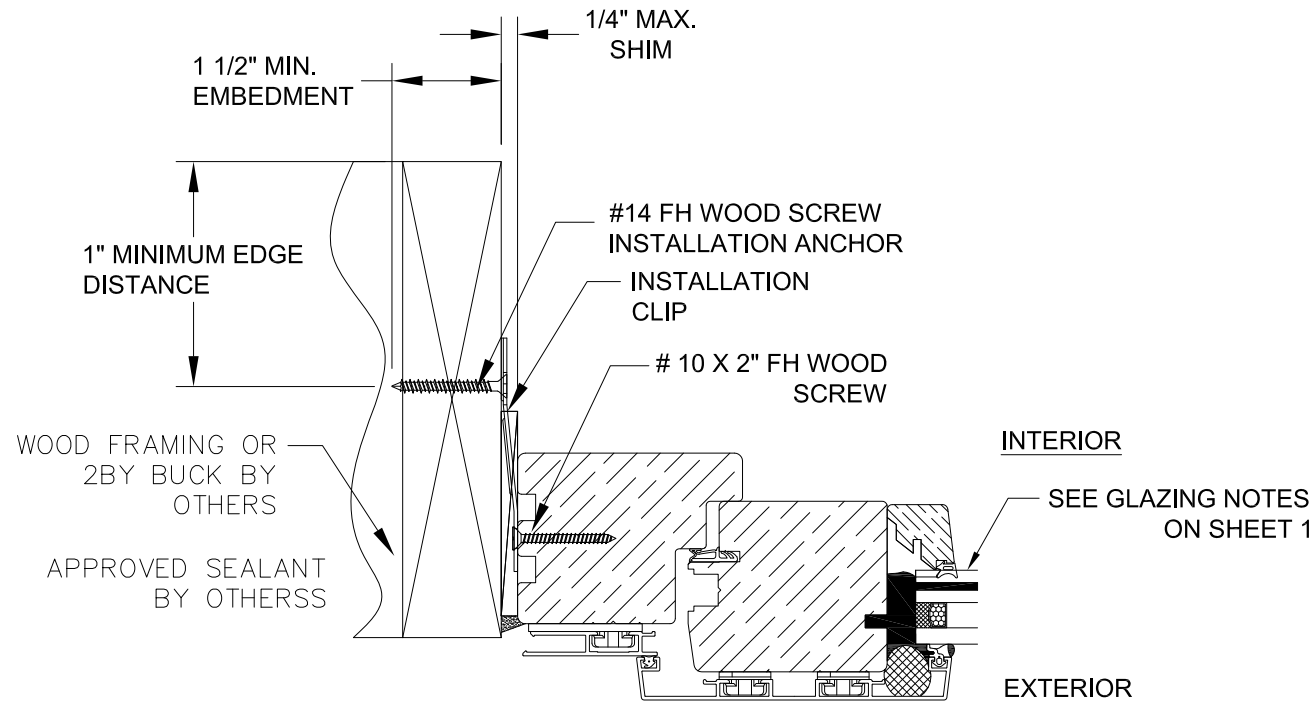
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A
6 **VERTICAL SECTION**
2 BY WOOD SUBSTRATE
CLIP INSTALLATION

- NOTES:
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.



B
6 **HORIZONTAL SECTION**
2 BY WOOD SUBSTRATE
CLIP INSTALLATION

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UNILUX ADT ALUM CLAD WOOD O/S FRENCH DOOR 48" X 96" L.M. IMPACT HVHZ ANCHOR STRAP INSTALLATION -WOOD		
DRAWN: JRM	DWG NO. NL-0084	REV -
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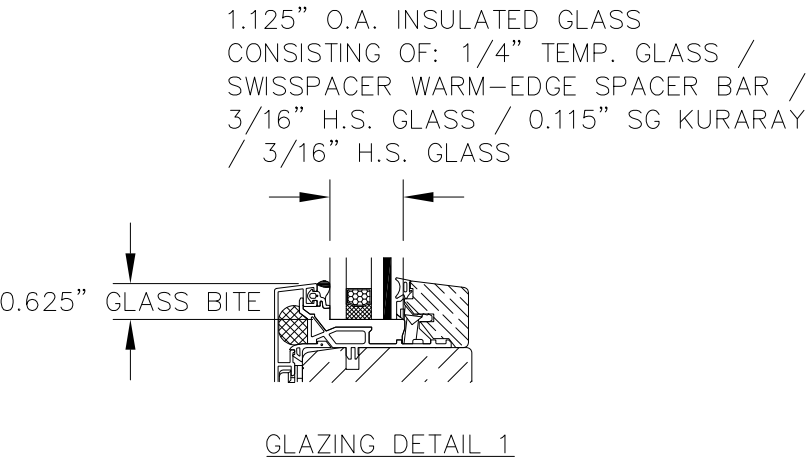
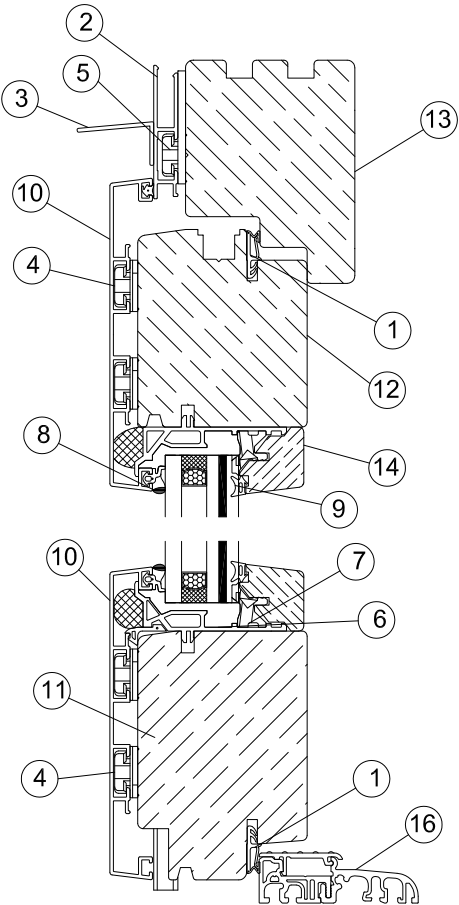
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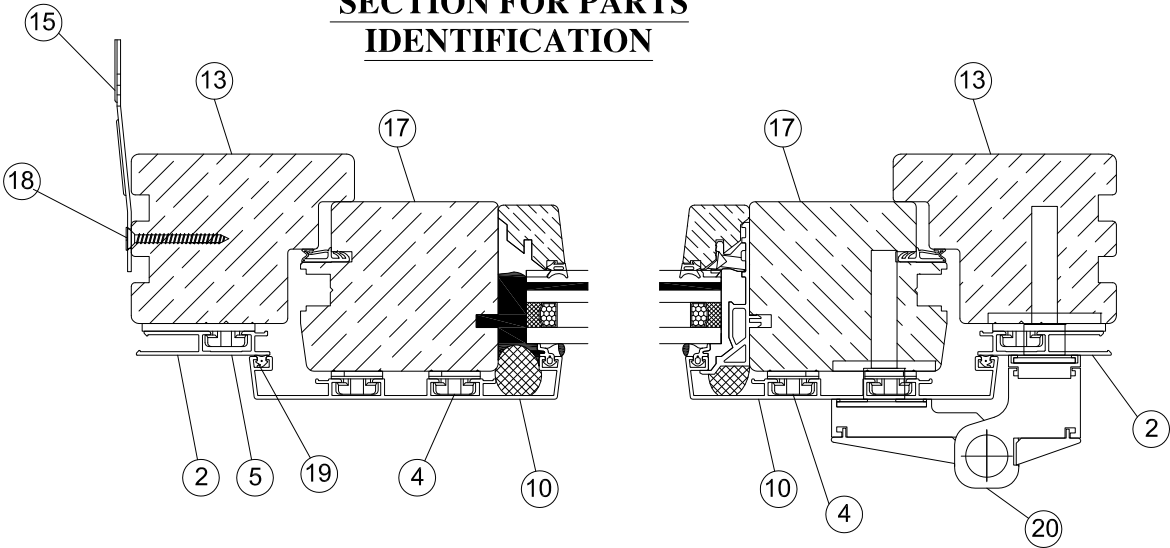
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QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	E23-1001	SASH GASKET-RUBBER EPDM	UNILUX
2	E41-0030	FRAME, CLADDING-ALUM. 6063-T5	UNILUX
3	E41-0032	FRAME CLADDING-ALUM. 6063-T5	UNILUX
4	E41-0114	FASTENER CLAD, PLASTIC GF 30	UNILUX
5	E41-0116	FASTENER FRAME, PLASTIC GF-30	UNILUX
6	E41-0154	GLASS FASTENER, PLASTIC GF 30	UNILUX
7	E41-0155	GLAZING GASKET, PLASTIC GF 30	UNILUX
8	E41-1001	GLASS GASKET, RUBBER EPDM 80 DUR	UNILUX
9	E41-1022	INTERIOR GASKET, EPDM RUBBER 70 DUR	UNILUX
10	E43-0010	CLADDING FRAME, ALUM. 6063-T5	UNILUX
11	F41-0063	SASH FRAME SILL, WOOD G.5	UNILUX
12	F41-0073	SASH FRAME HEAD, WOOD G.5	UNILUX
13	F41-0081	FRAME, WOOD G .5	UNILUX
14	F41-0087	STOP, WOOD G .5	UNILUX
15	E41-2015-2	INSTALLATION CLIP GALV. STEEL	UNILUX
16	BKV 80 T-	SILL, ALUMINUM 6063-T5	UNILUX
17	F41-0062	SASH FRAME JAMB, WOOD G .5	UNILUX
18	PURCHASE	4MM X 40MM SCREW	UNILUX
19	E41-1003	FRAME GASKET 80 DUR, EPDM RUBBER	UNILUX
20	PURCHASE	HINGE, STEEL	UNILUX



**VERTICAL CROSS
SECTION FOR PARTS
IDENTIFICATION**



**HORIZONTAL CROSS
SECTION FOR PARTS
IDENTIFICATION**

UNILUX GmbH NIKOLAUS-MEETH, STR. 1 DE 54528 SALMTAL, GERMANY		
UNILUX ADT ALUM CLAD WOOD O/S FRENCH DOOR 48" X 96" L.M. IMPACT HVHZ BILL OF MATERIALS AND GLAZING DETAIL		
DRAWN: JRM	DWG NO. NL-0084	REV —
SCALE NTS	DATE 11/10/2016	SHEET 7 OF 9

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① SASH GASKET
RUBBER EPDM

② FRAME CLADDING
ALUMINUM 6063-T5
0.060" THICK

③ FRAME CLADDING
ALUMINUM 6063-T5
0.060" THICK

④ CLAD FASTENER
PLASTIC GF 30

⑤ CLAD FASTENER
PLASTIC GF 30

⑥ FASTENER TOP & SIDE
PLASTIC GF 30

⑦ SASH GASKET
PLASTIC GF 30

⑧ GLAZING GASKET
RUBBER EPDM

⑨ GLAZING GASKET
RUBBER EPDM

⑩ FRAME CLADDING
ALUMINUM 6063-T5
0.060" THICK

⑪ SASH FRAME SILL
WOOD G .50

⑫ SASH FRAME HEAD
WOOD G .50

⑬ FRAME
WOOD G .50

⑭ STOP
WOOD G .50

⑮ INSTALLATION CLIP GALV.
STEEL 0.06" THICK

⑯ SILL W/ COVER
ALUMINUM 6063-T5

⑰ SASH FRAME JAMB
WOOD G .50

⑲ FRAME GASKET
RUBBER EPDM

UNILUX GmbH
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UNILUX ADT ALUM CLAD WOOD O/S FRENCH DOOR
48" X 96" L.M. IMPACT HVHZ
COMPONENTS

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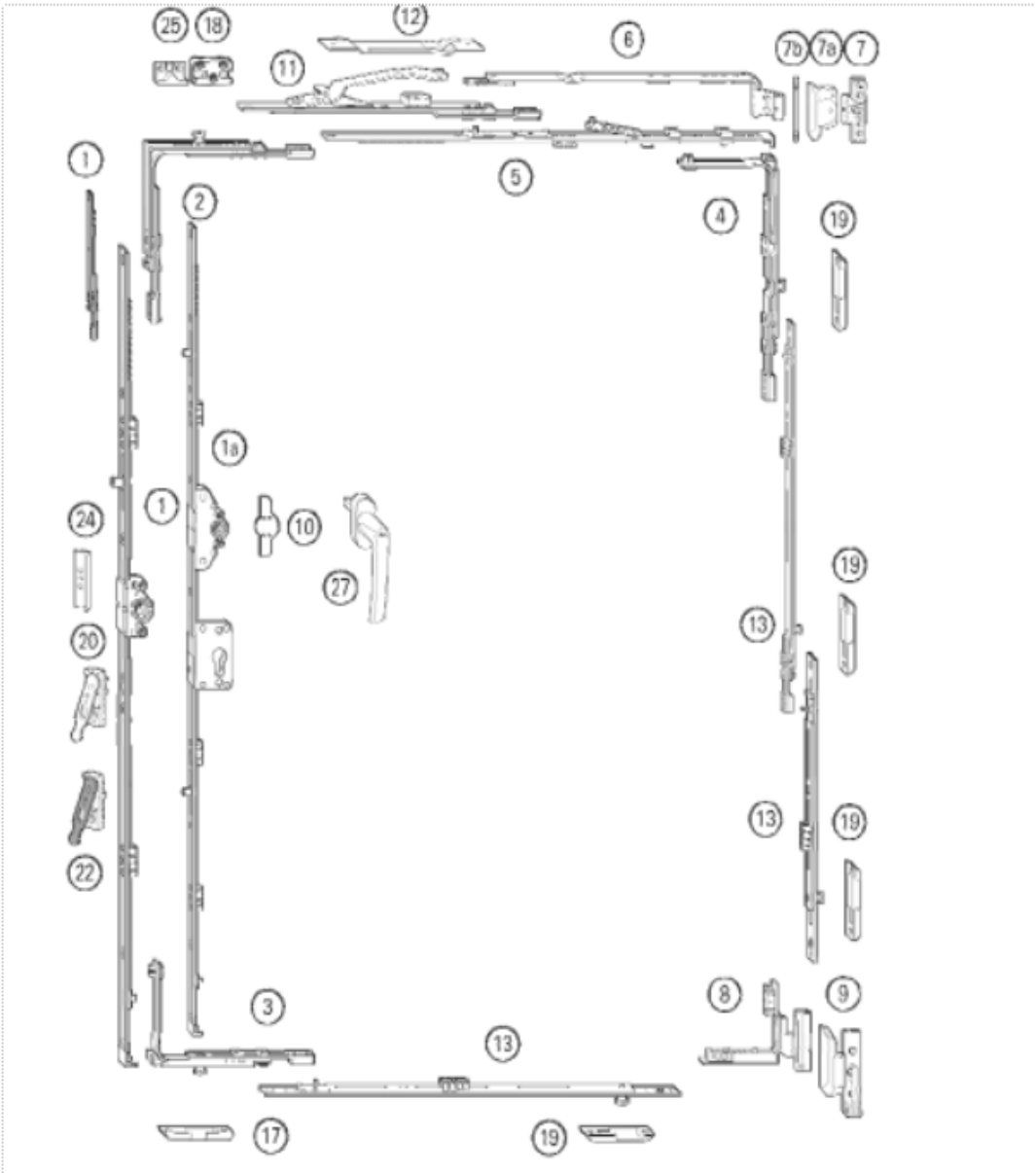
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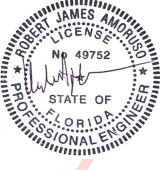
QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	259853/308267	TILT/TURN LOCK GEAR	ROTO
2	260272	CORNER DRIVE HEAD FRONT	ROTO
3	260288	CORNER DRIVE BOTTOM FRONT	ROTO
4	260294	STAY CORNER DRIVE	ROTO
5	287528	SASH STAY GUIDE	ROTO
6	262377	STAY ARM	ROTO
7A	355618	MOULDING COVER AT HINGE	ROTO
7B	227354	HINGE PIN	ROTO
8	262388	REBATE CORNER HINGE	ROTO
9	355620	CORNER PIVOT RESET	ROTO
10	264601	DRILL PROTECTION	ROTO
11	315999	SCISSOR STAY, SASH PART	UNILUX
12	330595	SCISSOR STAY, FRAME PART	UNILUX
13	337711/296853	MULTIPART CENETER LOCK	UNILUX
14	296076/308267	TURN-ONLY LOCK GEAR	UNILUX
15	257138	SASH STAY GUIDE	UNILUX
16	337710	CENTER LOCK, HORIZONTAL	UNILUX
17	355608	STRIKER FOR TILT FUNCTION	UNILUX
18	355611	STRIKER HEAD	UNILUX
19	355610	SAFETY STRIKER	UNILUX
20	260538	SASH LIFTER, SASH PART	UNILUX
21	257600	SASH LIFTER, FRAME PART	UNILUX
22	284220	SPECIAL SASH LIFTER	UNILUX
23	330081	MAGNETIC CATCH, FRAME	UNILUX
24	329981	MAGNETIC CATCH	UNILUX
25	260527	SLOT-VENT	UNILUX
26	350403	REST BLOCK	UNILUX
27	GFORA	HANDLE	UNILUX



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