

UNILUX GmbH

KUHS2 ISOSTAR UPVC LIFT AND SLIDE DOOR

XO, OX, 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. NCTL-210-4123-01.
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.
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 MD NOA NO. 17-1114.14 OR LATER CURRENT NOA.
8. GLAZING:

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

8.2. SEE GLAZING DETAILS ON SHEET 7 OF 8.

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

9.1. (X) DESIGNATION IS OPERABLE PANEL

9.2. (O) DESIGNATION IS STATIONARY PANEL

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8	BILL OF MATERIALS

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" 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. FOR ANCHORING INSTALLATION CLIP INTO WOOD FRAMING OR 2X BUCK, USE (2) #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 AND SPACED MIN. 1" BETWEEN ANCHORS.
4. FOR ANCHORING FIXED PANEL THROUGH FRAME INTO MASONRY, CONCRETE OR WOOD FRAMING OR 2X WOOD BUCK, USE WURTH AMO III SPACING ASSEMBLY SCREW 7.5mm DIA. TYPE 2 CYLINDER HEAD GALVANIZED STEEL WITH A MINIMUM EDGE DISTANCE OF 2-1/2" IN CONCRETE/MASONRY AND 1-1/2" IN WOOD SUBSTRATES.

4.1. THIS ANCHOR TO BE SUPPLIED BY MANUFACTURER WITH DOOR ASSEMBLY (ITEM NO. 23 IN BOM).
5. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

5.1. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.

5.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

5.3. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF).

UNILUX GmbH

Nikolaus–Meeth–Strab 1

Salmtal–Germany

SERIES: KUHS2 ISOSTAR

LIFT–SLIDE DOOR XO,OX, NON–IMPACT

GENERAL NOTES

DRAWN: JRM

DWG NO. NL–0119

REV –

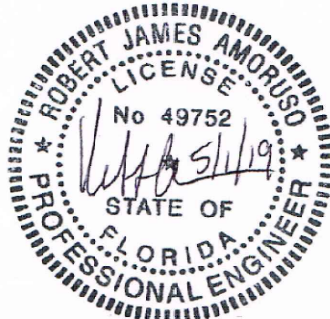
SCALE NTS

DATE 04/15/2019

SHEET 1 OF 8

ROBERT J. AMORUSO

FL. P.E. NO. 49752



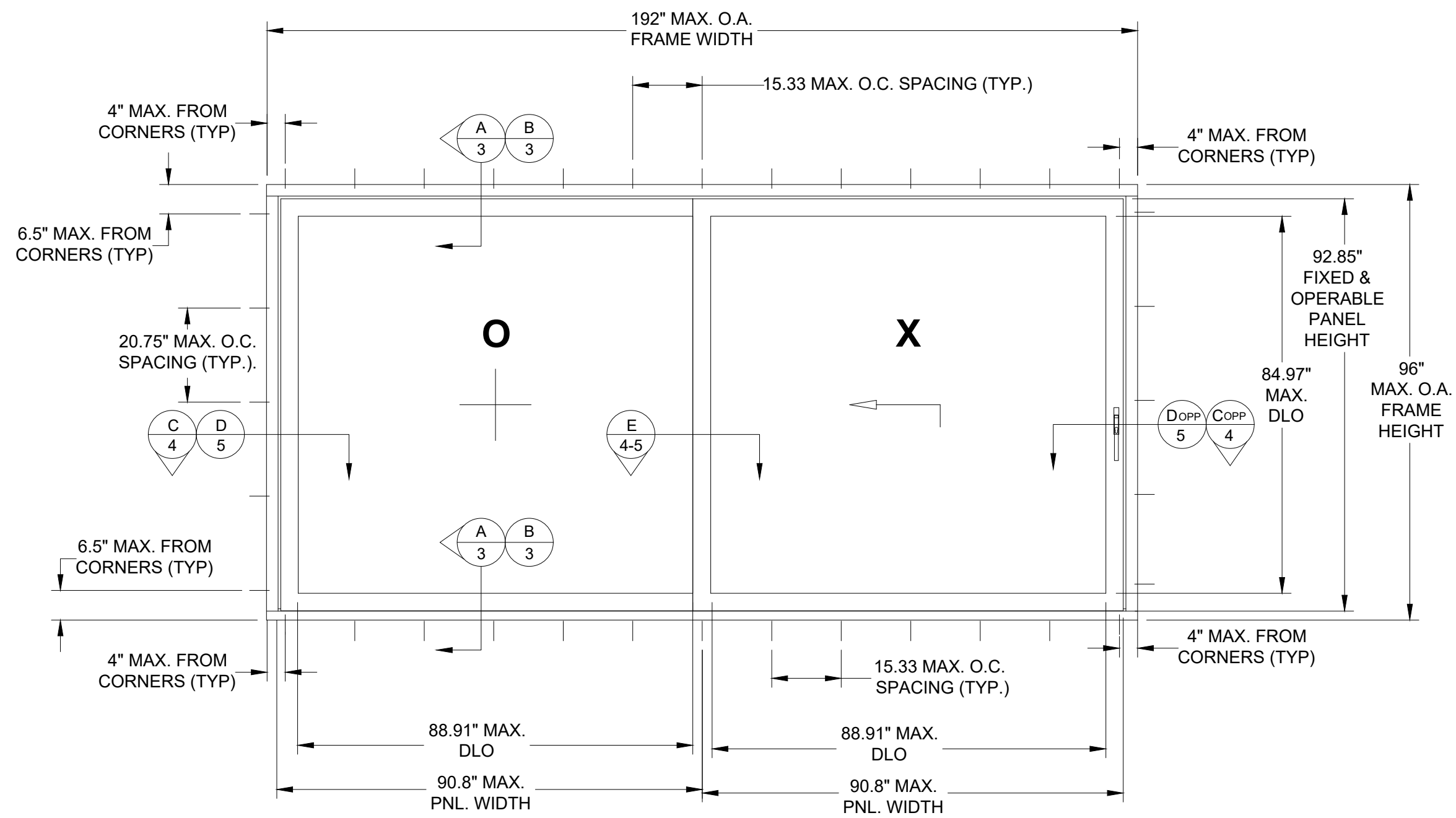
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**ANCHORAGE INSTALLATION REQUIREMENTS TO MEET
DESIGN PRESSURE OF +/-50 PSF**

DESIGN PRESSURE RATING (PSF)			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF)	QUALIFIED CONFIGURATION	IMPACT RATING
192" X 96"	+/- 50.0	OX, XO	NONE
SEE GLAZING DETAIL ON SHT. 7			

UNILUX GmbH
Nikolaus-Meeth-Strab 1
Salmtal-Germany

SERIES: KUHS2 ISOSTAR
LIFT-SLIDE DOOR XO,OX, NON-IMPACT
ELEVATION & ANCHOR LAYOUT

DRAWN:
JRM

DWG NO.
NL-0119

REV
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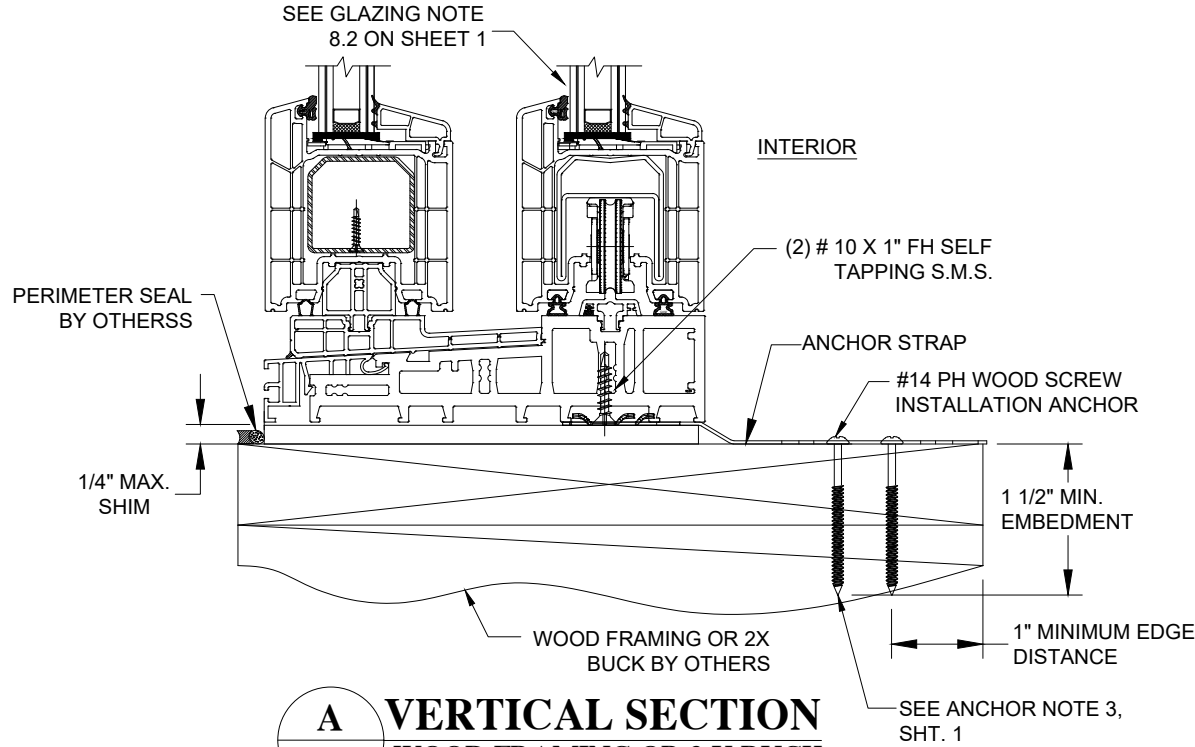
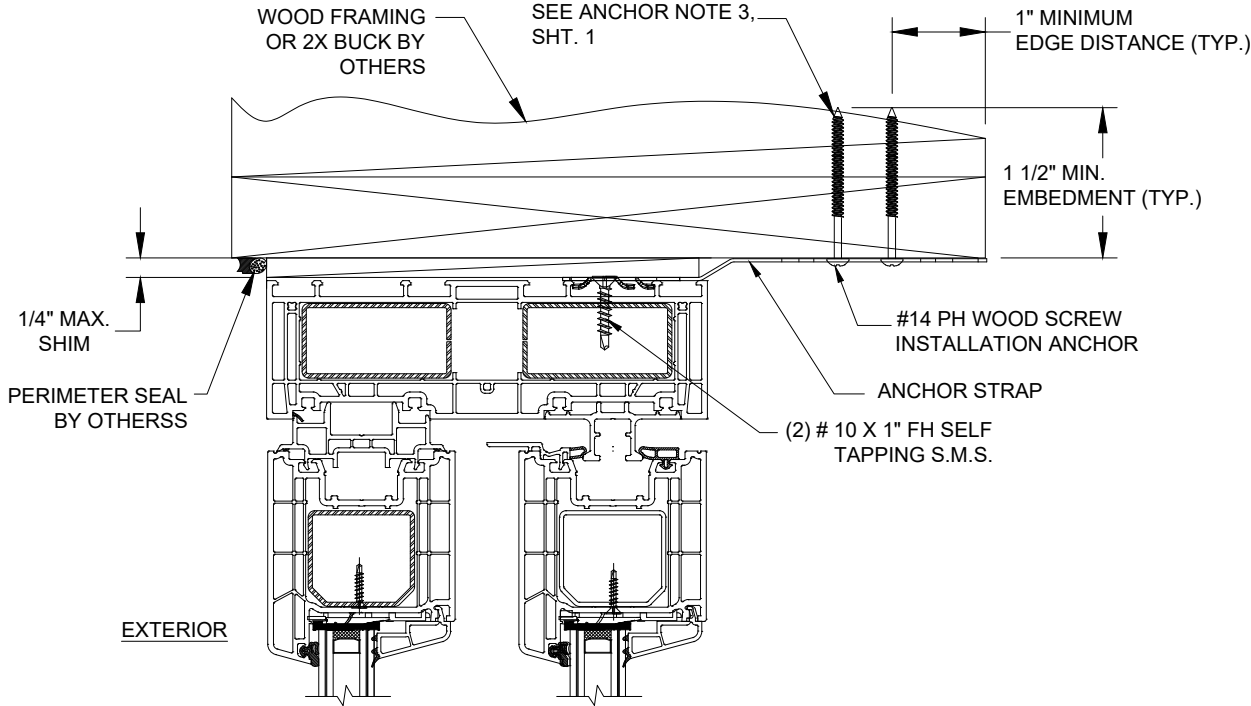
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SHEET 2 OF 8

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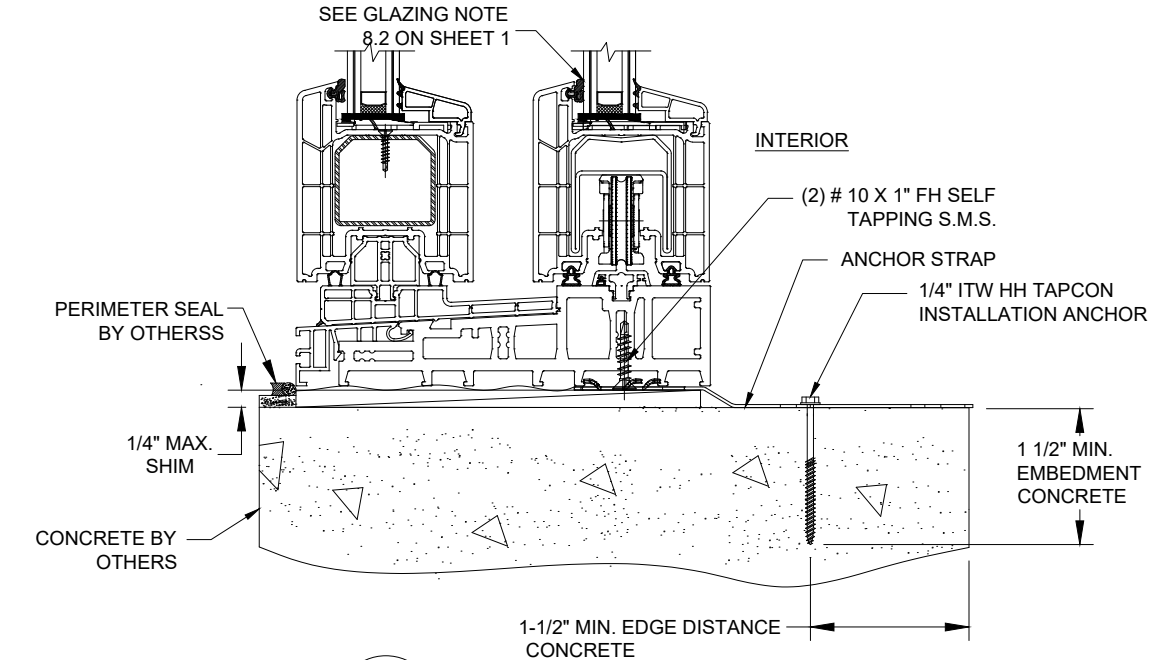
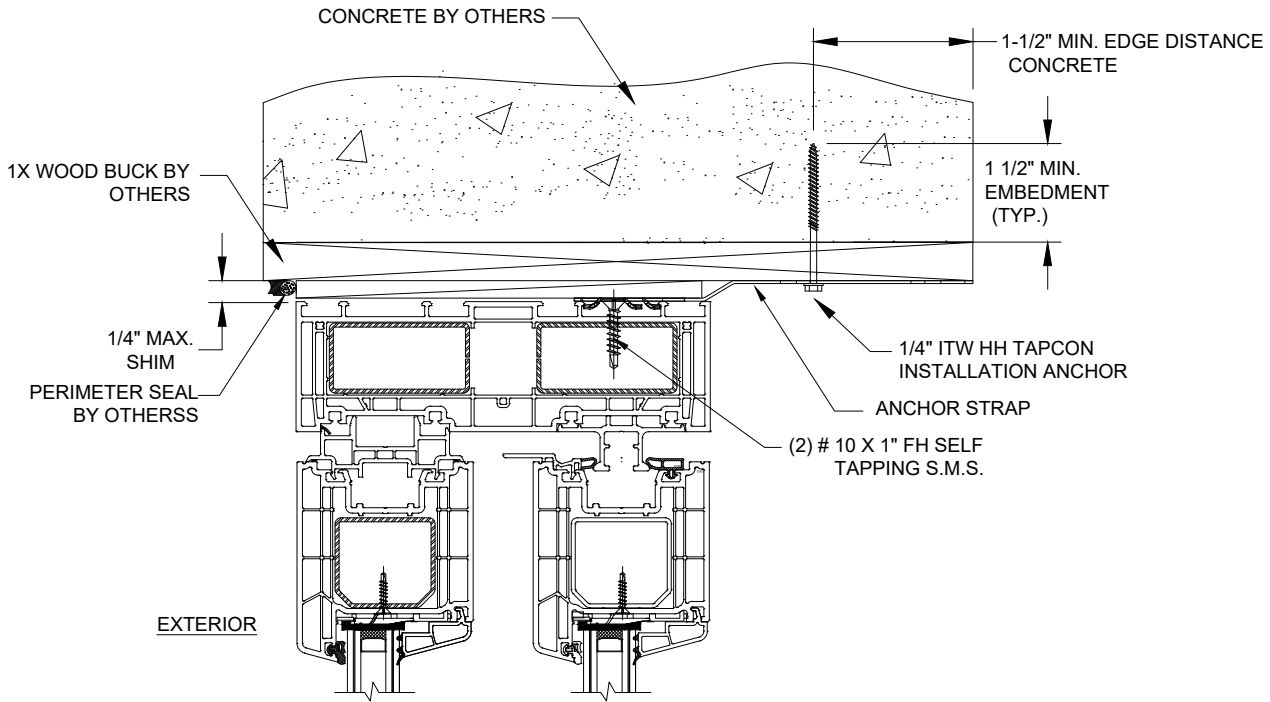
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A
3 **VERTICAL SECTION**
WOOD FRAMING OR 2 X BUCK
ANCHOR STRAP INSTALLATION

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.



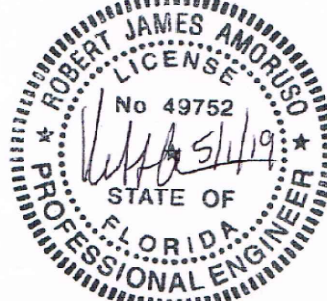
B
3 **VERTICAL SECTION**
CONCRETE SUBSTRATE
ANCHOR STRAP INSTALLATION

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Salmthal-Germany

SERIES: KUHS2 ISOSTAR
LIFT-SLIDE DOOR XO,OX, NON-IMPACT
VERTICAL INSTALLATION DETAILS-WOOD/CONC.

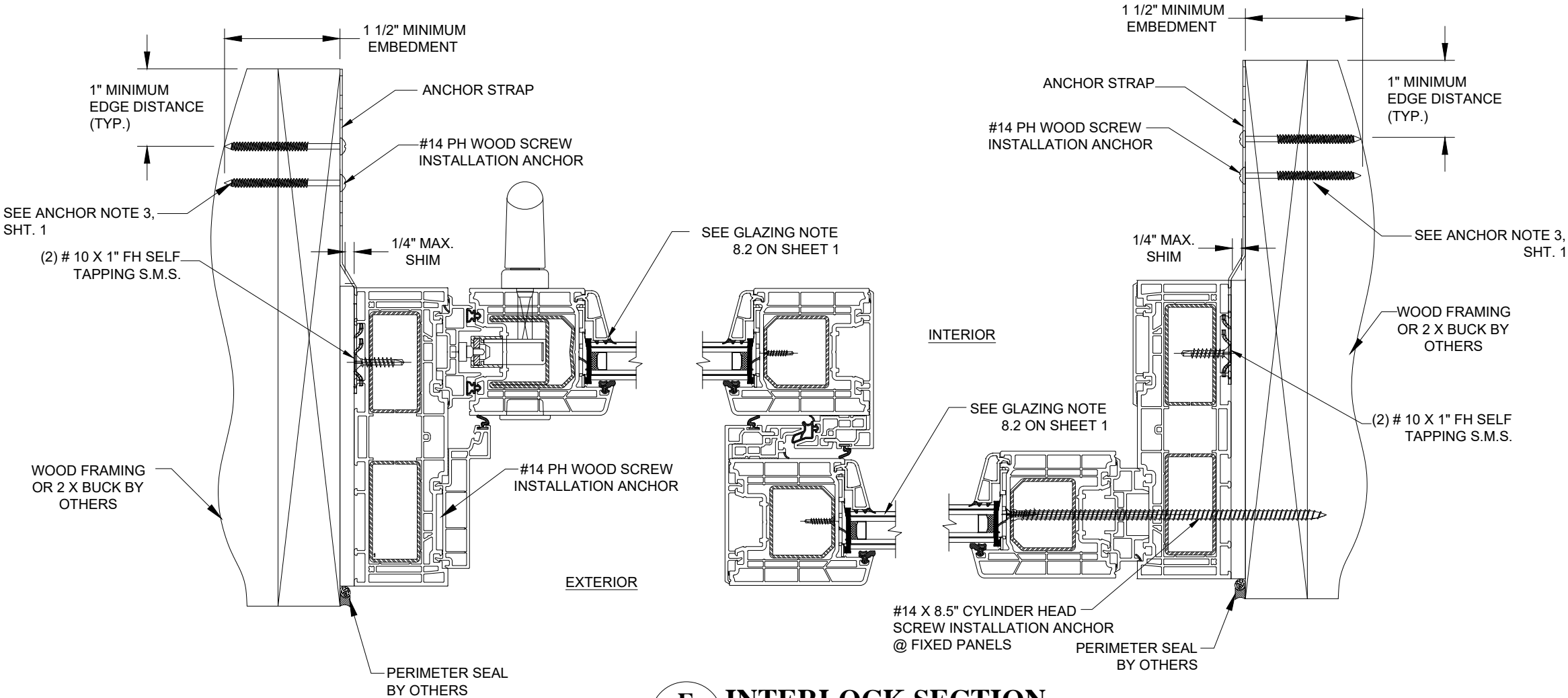
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C4

HORIZONTAL SECTION
WOOD FRAMING OR 2 X BUCK
ANCHOR STRAP INSTALLATION
OPERABLE PANEL

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.

E4

INTERLOCK SECTION

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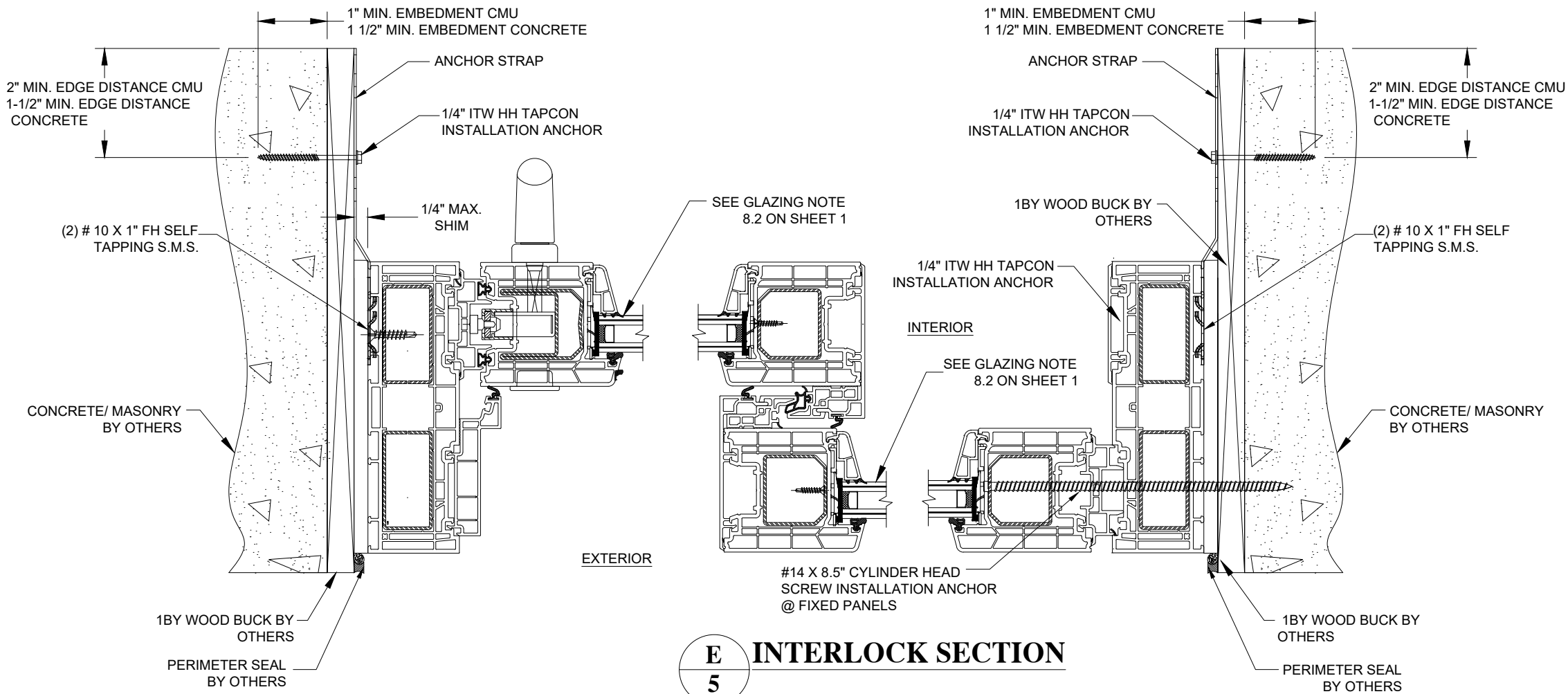
HORIZONTAL SECTION
WOOD FRAMING OR 2 X BUCK
ANCHOR STRAP INSTALLATION
STATIONARY PANEL

UNILUX GmbH Nikolaus-Meeth-Strab 1 Salmthal-Germany		
SERIES: KUHS2 ISOSTAR LIFT-SLIDE DOOR XO,OX, NON-IMPACT HORIZONTAL INSTALLATION-2 X WOOD FRAME		
DRAWN: JRM	DWG NO. NL-0119	REV -
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D
5 **HORIZONTAL SECTION**
CONCRETE/MASONRY SUBSTRATE
OPERABLE PANEL ANCHOR STRAP
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.

E
5 **INTERLOCK SECTION**

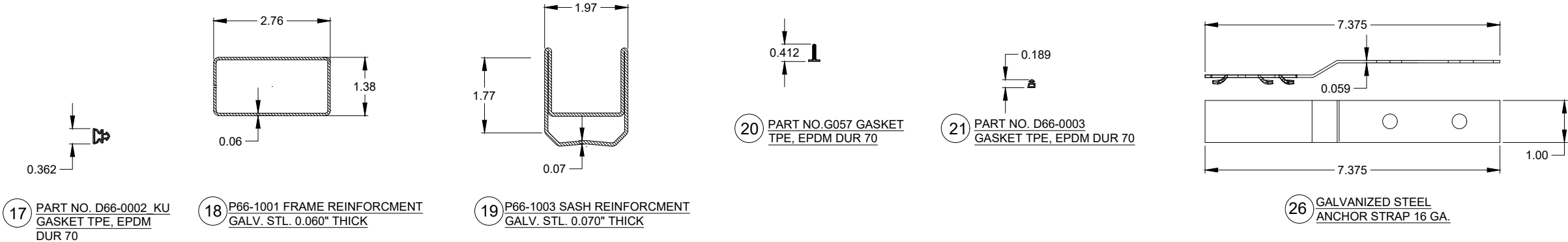
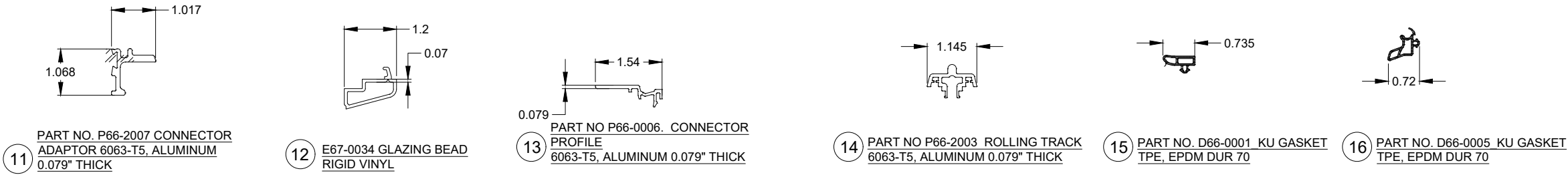
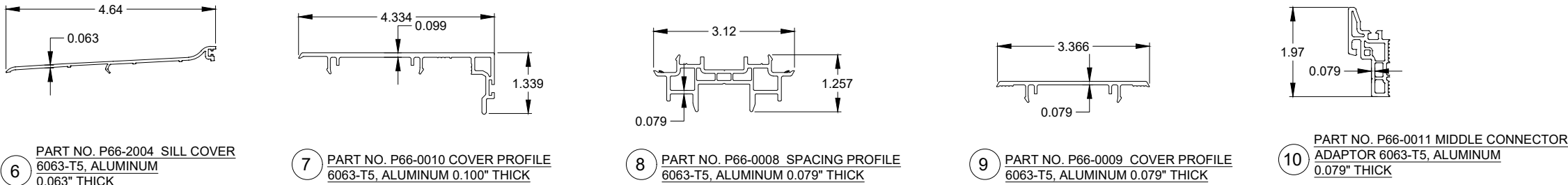
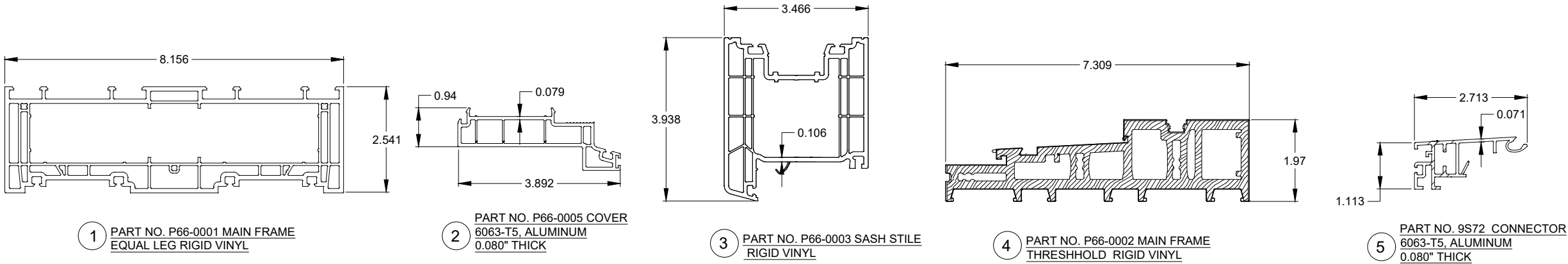
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5 **HORIZONTAL SECTION**
CONCRETE/MASONRY SUBSTRATE
STATIONARY PANEL ANCHOR STRAP
INSTALLATION

UNILUX GmbH Nikolaus-Meeth-Strab 1 Salmtal-Germany		
SERIES: KUHS2 ISOSTAR LIFT-SLIDE DOOR XO,OX, NON-IMPACT HORIZONTAL INSTALLATION-CMU-CONC.		
DRAWN: JRM	DWG NO. NL-0119	REV —
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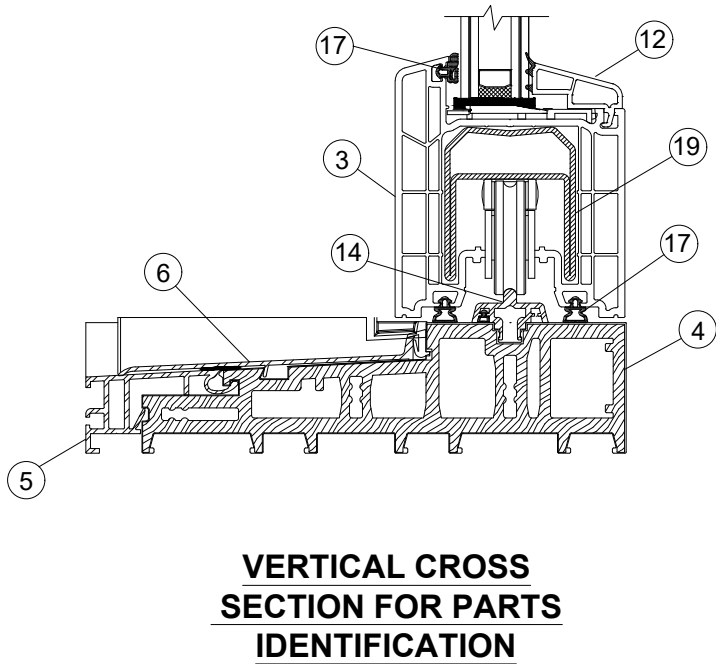
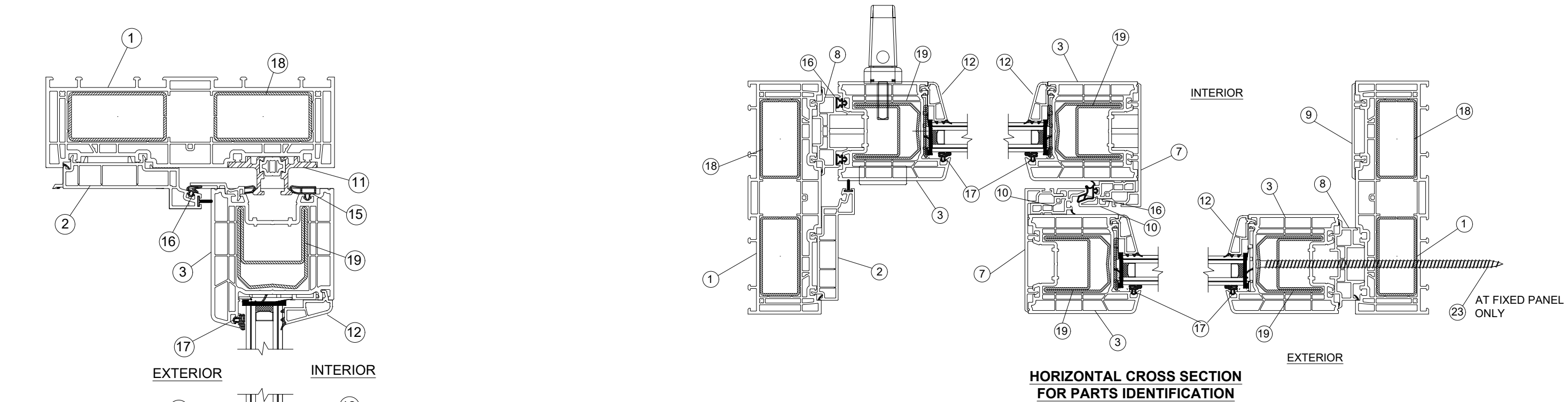


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SERIES: KUHS2 ISOSTAR LIFT-SLIDE DOOR XO,OX, NON-IMPACT COMPONENTS		
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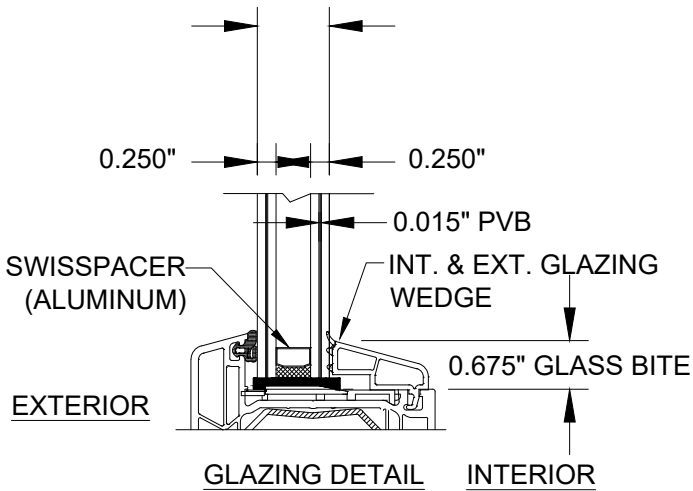
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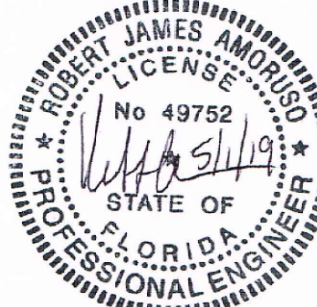


1.02" (26MM) O.A. INSULATED LAM. GLASS CONSISTING OF:
 EXT. 0.250" O.A. (6MM) VSG GLASS,
 0.551" AIR SPACE
 INT. 0.250" O.A. (6MM) VSG GLASS.
 [NOTE: 0.250" O.A. (6MM) VSG GLASS COMPRISED OF 0.118"
 (3MM) ANNEALED x 0.015" TROSIFOL PVB BY KURARAY AMERICA 0.118" (3MM) ANNEALED



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SERIES: KUHS2 ISOSTAR LIFT-SLIDE DOOR XO,OX, NON-IMPACT CROSS SECTIONS & GLAZING DETAIL		
DRAWN: JRM	DWG NO. NL-0119	REV -
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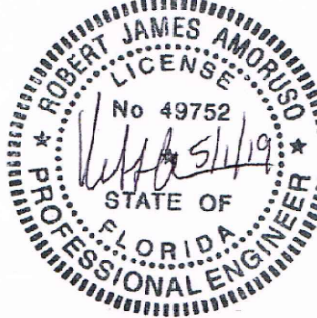
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QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	P66-0001	MAIN FRAME, RIGID VINYL	UNILUX
2	P66-0005	FRAME COVER, RIGID VINYL	UNILUX
3	P66-0003	SASH PROFILE, RIGID VINYL	UNILUX
4	P66-0002	FRAME THRESHOLD, RIGID VINYL	UNILUX
5	9S72	CONNECTOR, 6063 T5 ALUMINUM	PURCHASE
6	P66-2004	SILL COVER, 6063 T5 ALUMINUM	PURCHASE
7	P66-0010	COVER PROFILE, 6063 T5 ALUMINUM	PURCHASE
8	P66-2008	SPACING PROFILE, 6063 T5 ALUMINUM	PURCHASE
9	P66-0009	COVER PROFILE, 6063 T5 ALUMINUM	PURCHASE
10	P66-0011	MIDDLE CONNECTOR, 6063 T5 ALUMINUM	PURCHASE
11	P66-2007	CONNECTOR ADAPTOR, 6063 T5 ALUMINUM	PURCHASE
12	E67-0034	GLAZING BEAD, RIGID VINYL	UNILUX
13	P66-0006	CONNECTOR PROFILE, 6063 T5 ALUMINUM	-----
14	P66-2003	ROLLING TRACK, 6063 T5 ALUMINUM	-----
15	D66-0001	GASKET TPE, EPDM DUR 70	-----
16	D66-0005	GASKET, 80 DUROMETER EPDM	PURCHASE
17	D66-0002	GASKET, 80 DUROMETER EPDM	PURCHASE
18	P66-1001	FRAME REINFORCEMENT, GALV. STL.	PURCHASE
19	P66-1003	SASH REINFORCEMENT, GALV. STL.	PURCHASE
20	G057	GASKET, 80 DUROMETER EPDM	PURCHASE
21	D66-0003	GASKET, 80 DUROMETER EPDM	PURCHASE
22	P66-1002	SASH REINFORCEMENT, GALV. STL.	PURCHASE
23	-----	#14 X 8.5" CYLINDER HEAD SCREW	-----
24	PURCHASE	#14 PHD WOOD INSTALLATION SCREW	-----
25	PURCHASE	1/4" DIAM. I.T.W. MASONRY ANCHOR	-----
26	PURCHASE	GALVANIZED STEEL ANCHOR STRAP	-----

UNILUX GmbH Nikolaus-Meeth-Strab 1 Salmtal-Germany		
SERIES: KUHS2 ISOSTAR LIFT-SLIDE DOOR XO,OX, NON-IMPACT BILL OF MATERIALS		
DRAWN: JRM	DWG NO. NL-0119	REV -
SCALE NTS	DATE 04/15/2019	SHEET 8 OF 8

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