

UNILUX GmbH

SERIES KUF/KUDTSF ISOSTAR

FIXED WINDOW 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-210-4123-02 AND NCTL-210-4123-03.
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 7. GLAZING DETAIL 1 SHOWN IN SECTION VIEWS ON SHEETS 4 THROUGH 6.

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.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	GENERAL NOTES
2-3	ELEVATION AND ANCHOR LAYOUT
4-6	INSTALLATION DETAILS
7	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

SERIES: KUF/KUDTSF ISOSTAR

FIXED VINYL WINDOW NON–IMPACT

GENERAL NOTES

DRAWN: JRM

DWG NO. NL–0122

REV –

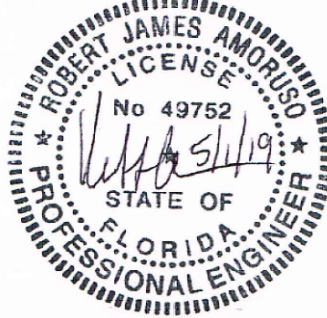
SCALE NTS

DATE 12/05/2018

SHEET 1 OF 7

ROBERT J. AMORUSO

FL. P.E. NO. 49752



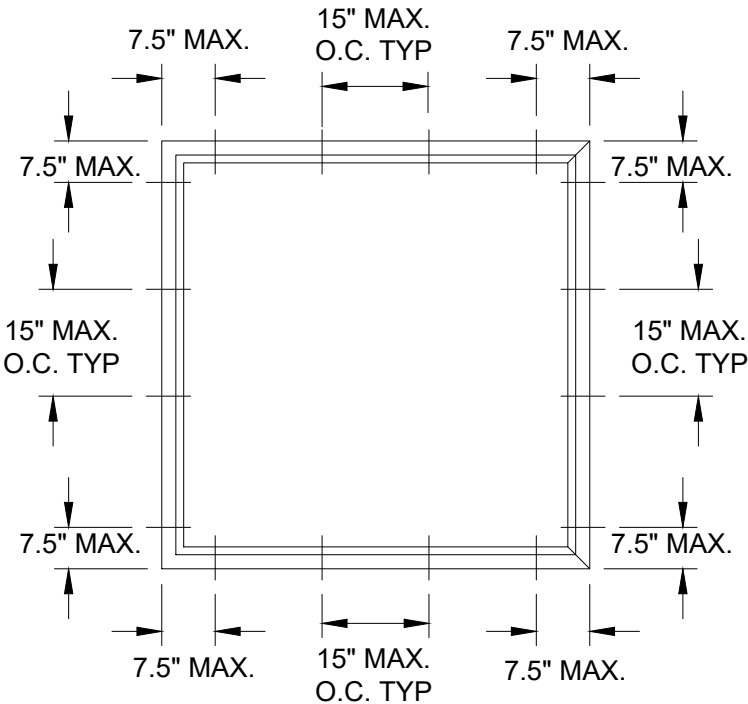
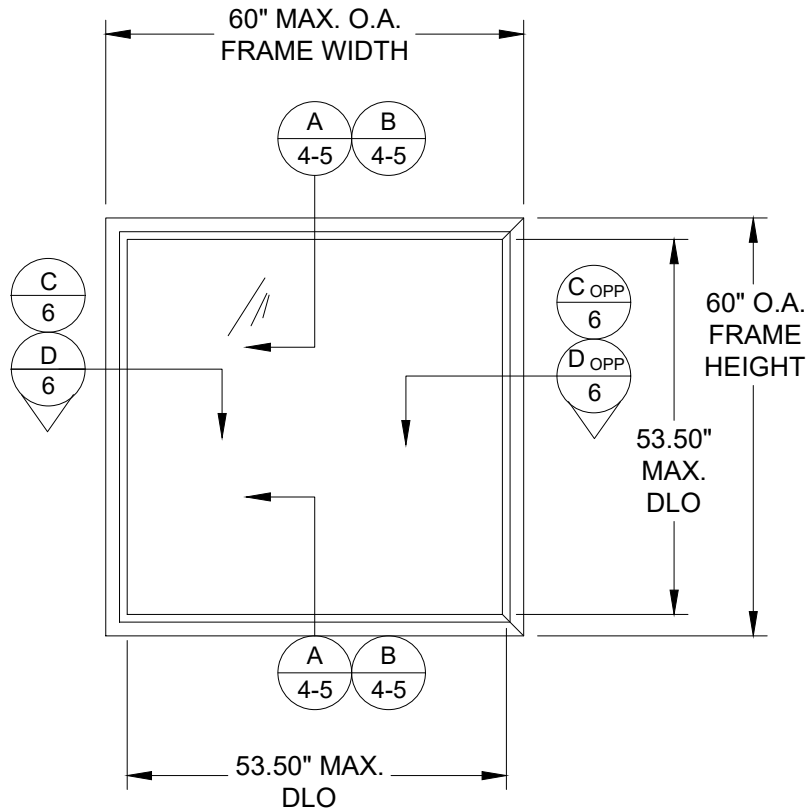
12472 LAKE UNDERHILL RD

NO. 148

ORLANDO, FL 32828

robert.amoruso@comcast.net

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



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

ANCHOR LAYOUT
FRAME AND CLIP
INSTALLATION

**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
60" X 60"	+/- 60.0	O	NONE
SEE GLAZING DETAIL 1 ON SHT. 7			

UNILUX GmbH
Nikolaus-Meeth-Strab1
Salmtal-Germany

SERIES: KUF/KUDTSF ISOSTAR
FIXED VINYL WINDOW NON-IMPACT
ELEVATION & ANCHOR LAYOUT

DRAWN: JRM

DWG NO. NL-0122

REV -

SCALE NTS

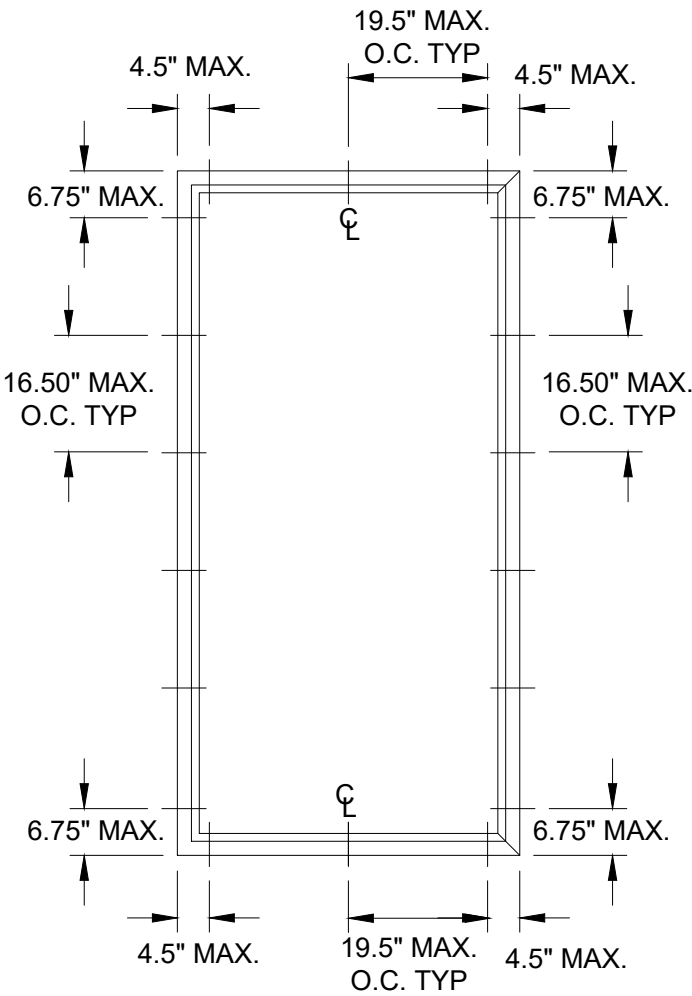
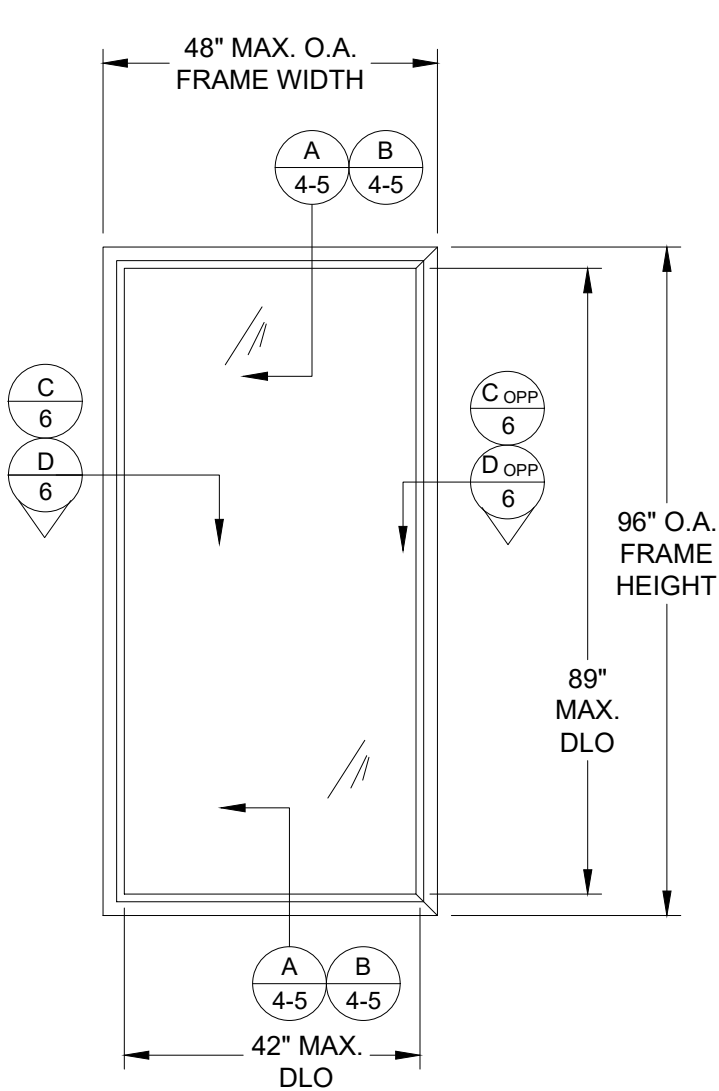
DATE 12/05/2018

SHEET 2 OF 7

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

12472 LAKE UNDERHILL RD
NO. 148
ORLANDO, FL 32828
robert.amoruso@comcast.net

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



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

ANCHOR LAYOUT
FRAME AND CLIP
INSTALLATION

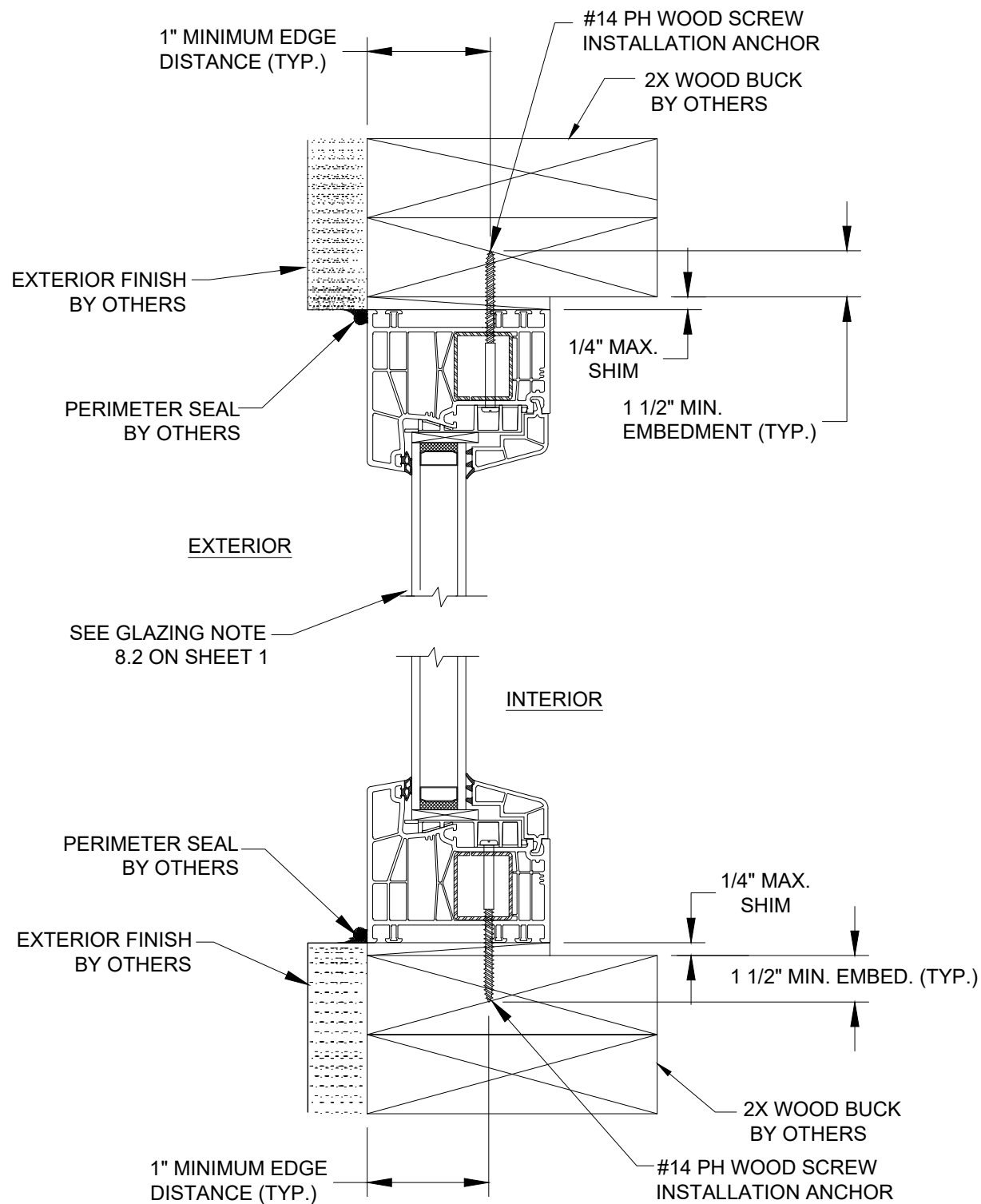
**ANCHORAGE INSTALLATION REQUIREMENTS TO MEET
DESIGN PRESSURE OF +/-60 PSF**

DESIGN PRESSURE RATING (PSF)			
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF)	QUALIFIED CONFIGURATION	IMPACT RATING
48" X 96"	+/- 60.0	O	NONE
SEE GLAZING DETAIL 2 ON SHT. 7			

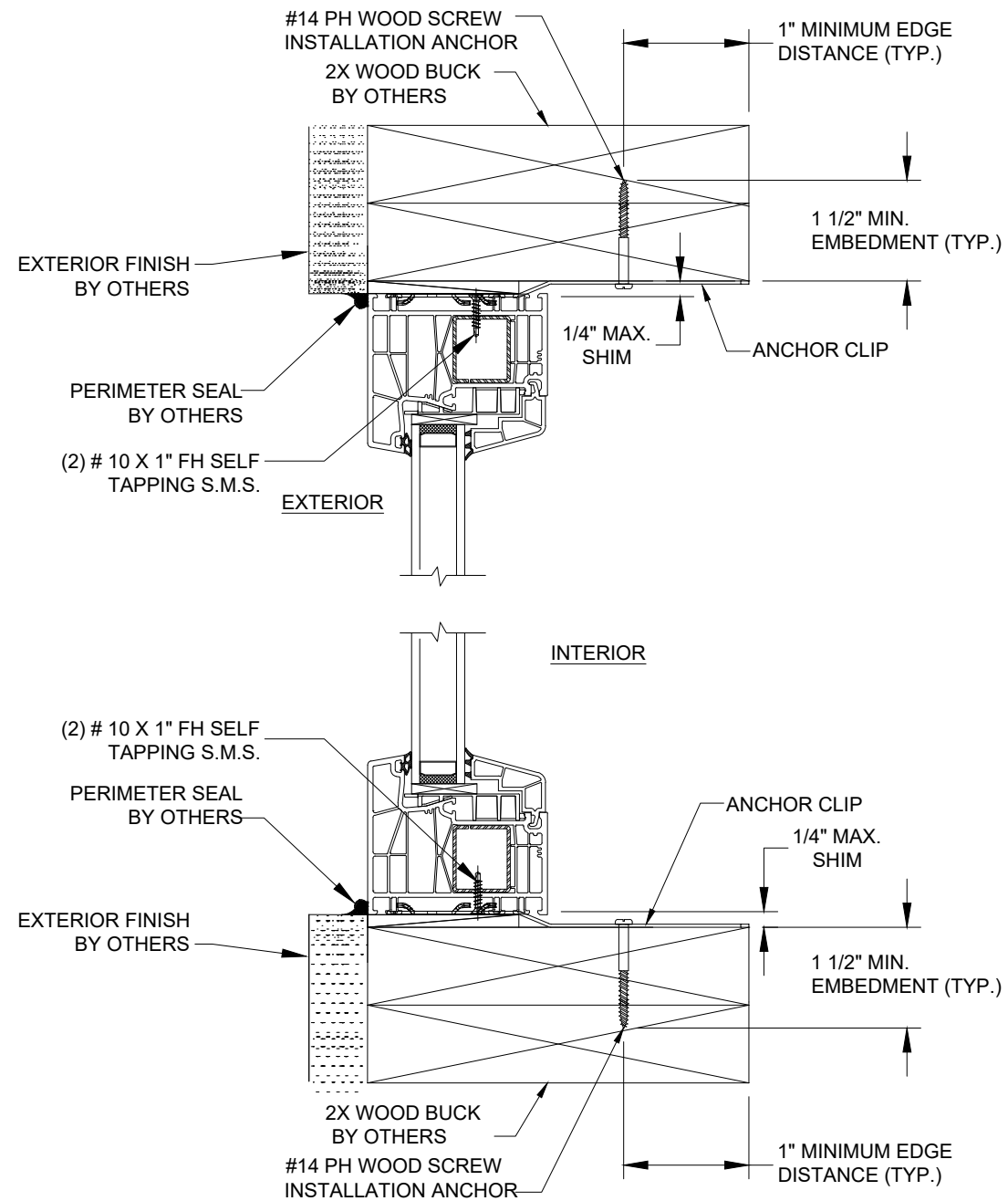
UNILUX GmbH Nikolaus-Meeth-Strab1 Salmtal-Germany		
SERIES: KUF/KUDTSF ISOSTAR FIXED VINYL WINDOW NON-IMPACT ELEVATION & ANCHOR LAYOUT		
DRAWN: JRM	DWG NO. NL-0122	REV -
SCALE NTS	DATE 12/05/2018	SHEET 3 OF 7

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

12472 LAKE UNDERHILL RD
NO. 148
ORLANDO, FL 32828
robert.amoruso@comcast.net



A
4 **VERTICAL SECTION**
WOOD FRAME SUBSTRATE
THROUGH FRAME TYPE



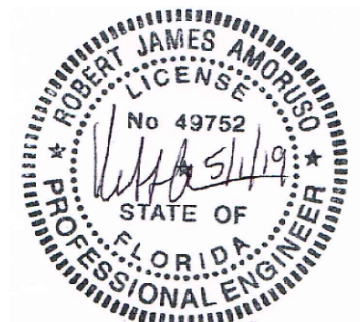
B
4 **VERTICAL SECTION**
WOOD FRAME SUBSTRATE
ANCHOR STRAP TYPE

UNILUX GmbH
Nikolaus-Meeth-Strab1
Salmtal-Germany

SERIES: KUF/KUDTSF ISOSTAR
FIXED VINYL WINDOW NON-IMPACT
VERTICAL INSTALLATION DETAILS-WOOD FRAME

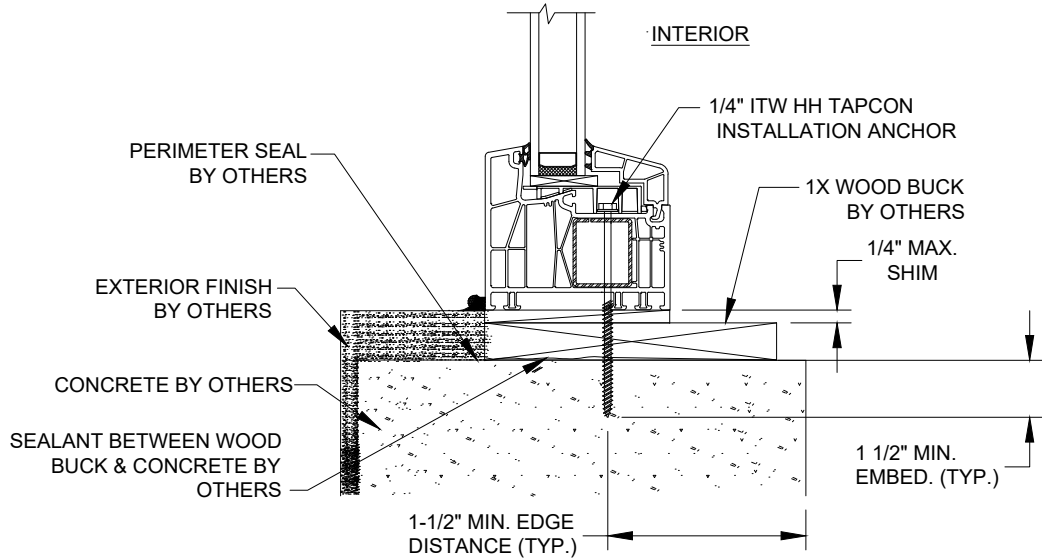
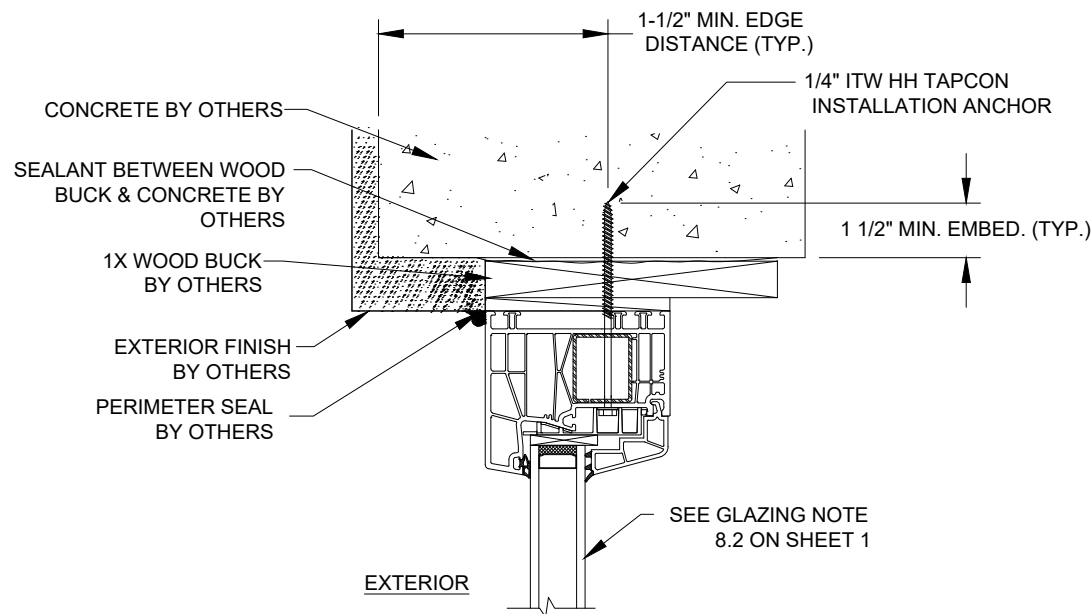
DRAWN: JRM	DWG NO. NL-0122	REV -
SCALE NTS	DATE 12/05/2018	SHEET 4 OF 7

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

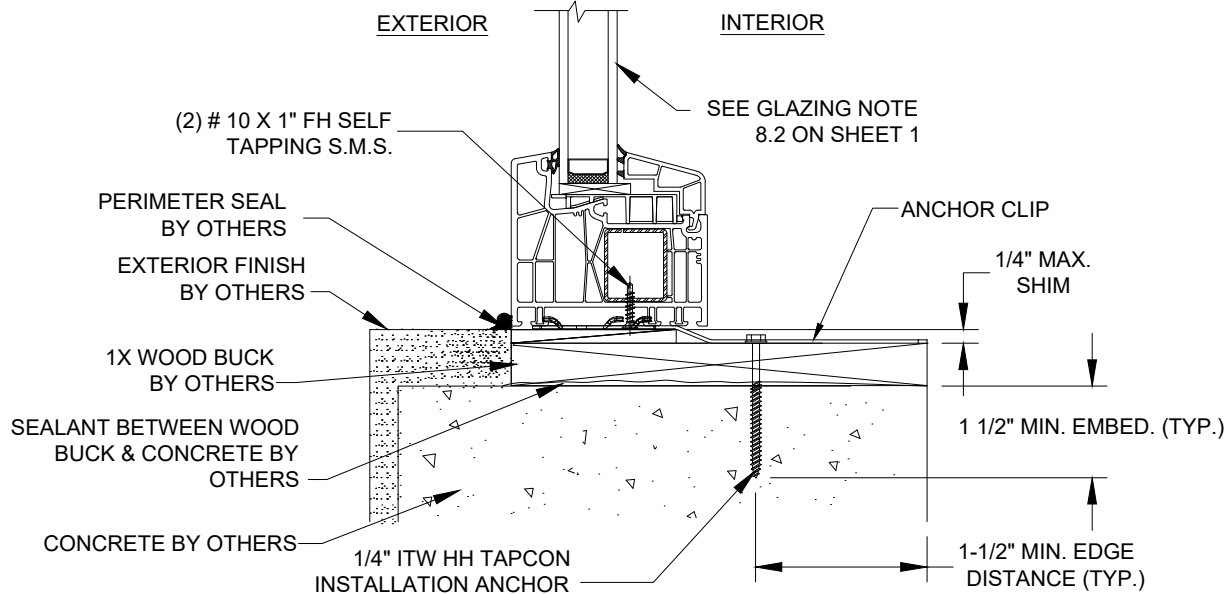
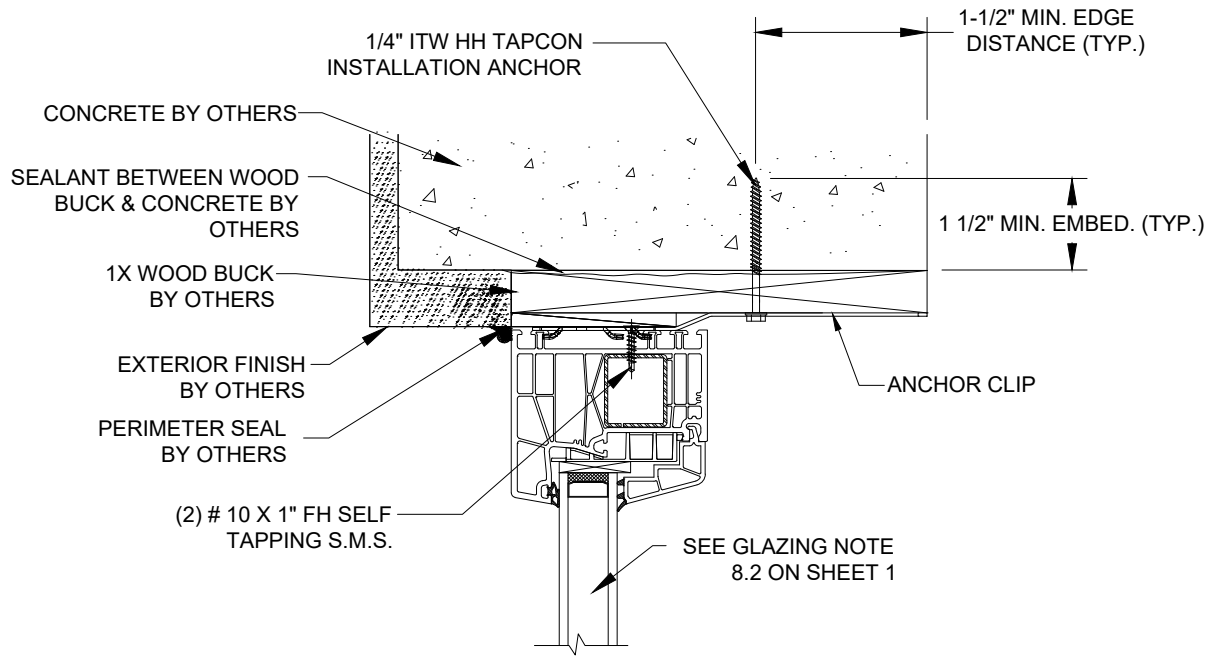


12472 LAKE
UNDERHILL RD
NO. 148
ORLANDO, FL 32828
robert.amoruso@
comcast.net

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



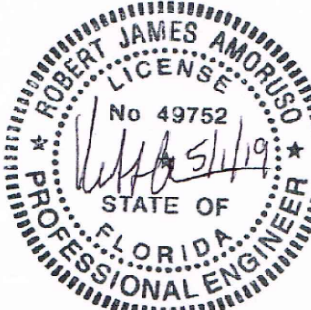
A
5 **VERTICAL SECTION**
CONCRETE SUBSTRATE
THROUGH FRAME TYPE



B
5 **VERTICAL SECTION**
CONCRETE SUBSTRATE
ANCHOR STRAP TYPE

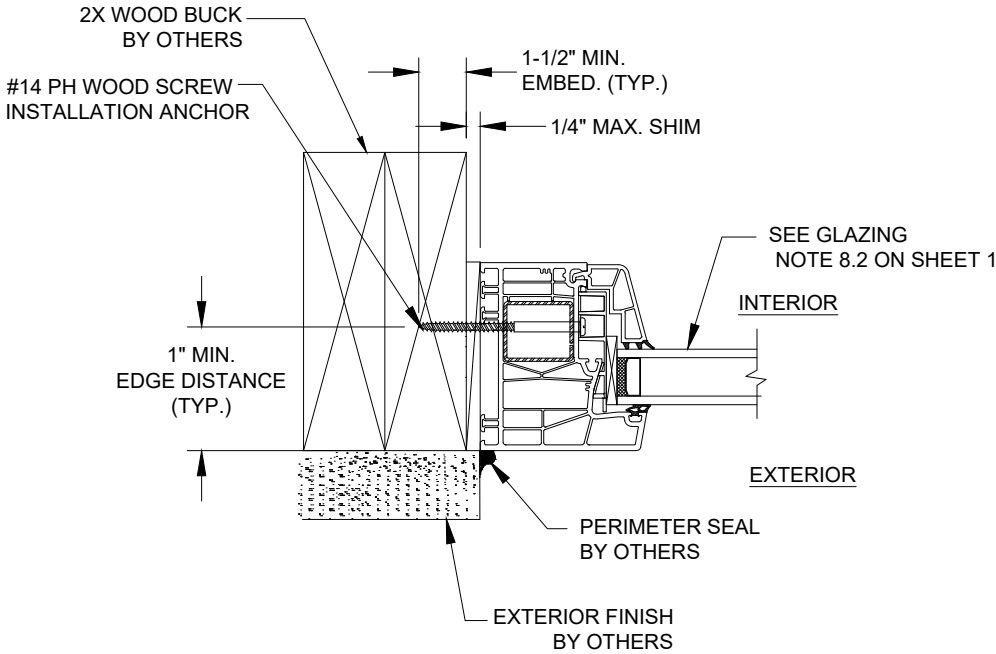
UNILUX GmbH Nikolaus-Meeth-Strab1 Salmtal-Germany		
SERIES: KUF/KUDTSF ISOSTAR FIXED VINYL WINDOW NON-IMPACT VERTICAL INSTALLATION-MASONRY/CONCRETE		
DRAWN: JRM	DWG NO. NL-0122	REV -
SCALE NTS	DATE 12/05/2018	SHEET 5 OF 7

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

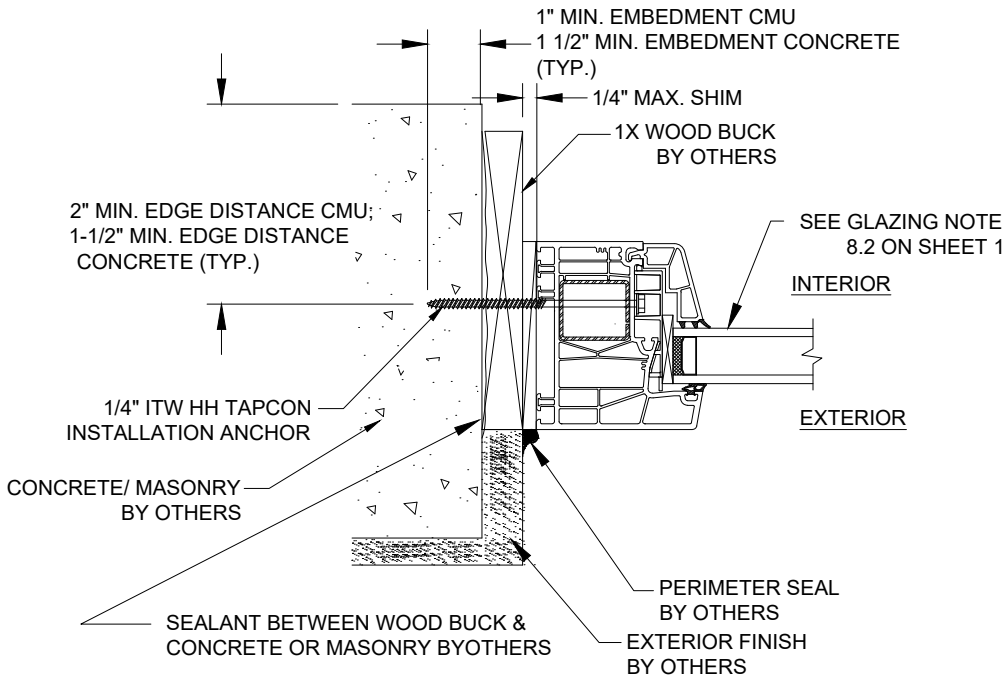


12472 LAKE
UNDERHILL RD
NO. 148
ORLANDO, FL 32828
robert.amoruso@
comcast.net

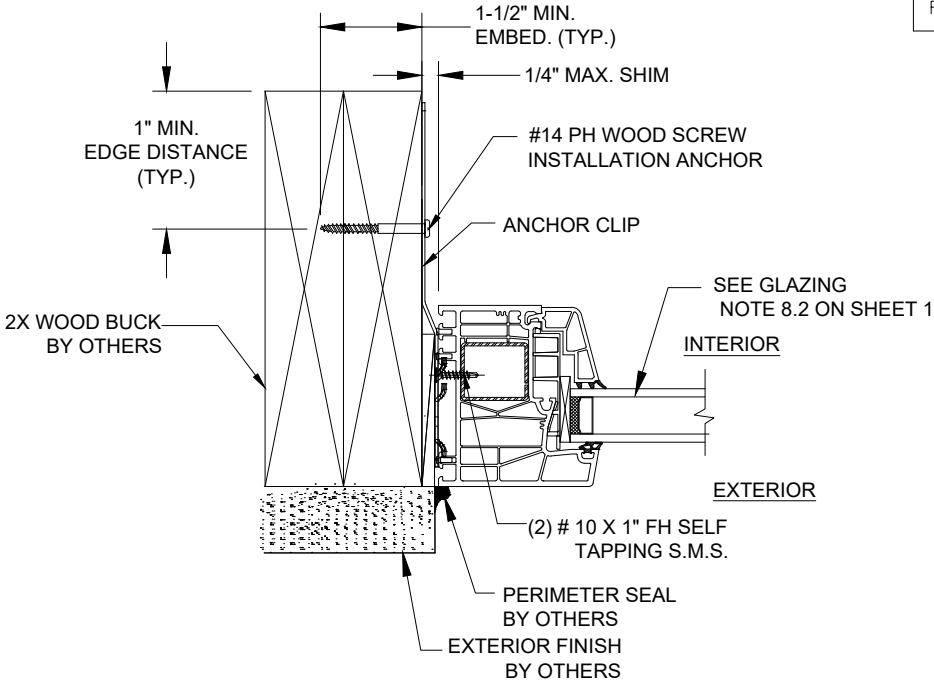
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



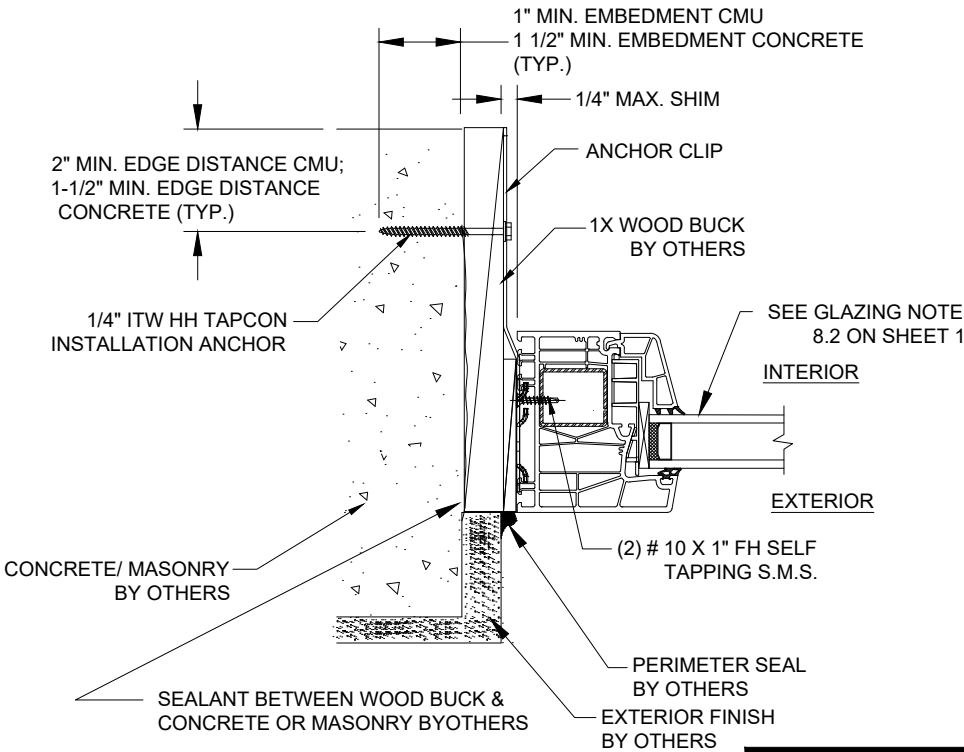
C
6
HORIZONTAL SECTION
WOOD FRAME SUBSTRATE
THROUGH FRAME TYPE



C
6
HORIZONTAL SECTION
MASONRY/CONCRETE SUBSTRATE
THROUGH FRAME TYPE



D
6
HORIZONTAL SECTION
WOOD FRAME SUBSTRATE
ANCHOR STRAP TYPE



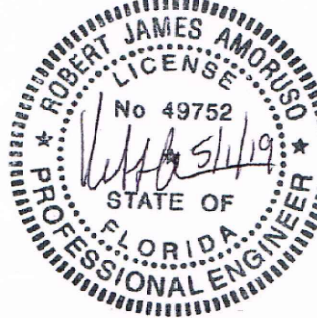
D
6
HORIZONTAL SECTION
MASONRY/CONCRETE SUBSTRATE
ANCHOR STRAP TYPE

UNILUX GmbH
Nikolaus-Meeth-Strab1
Salmtal-Germany

SERIES: KUF/KUDTSF ISOSTAR
FIXED VINYL WINDOW NON-IMPACT
HORIZ. INSTALLATION-WOOD-MASONRY/CONCRETE

DRAWN: JRM	DWG NO. NL-0122	REV -
SCALE NTS	DATE 12/05/2018	SHEET 6 OF 7

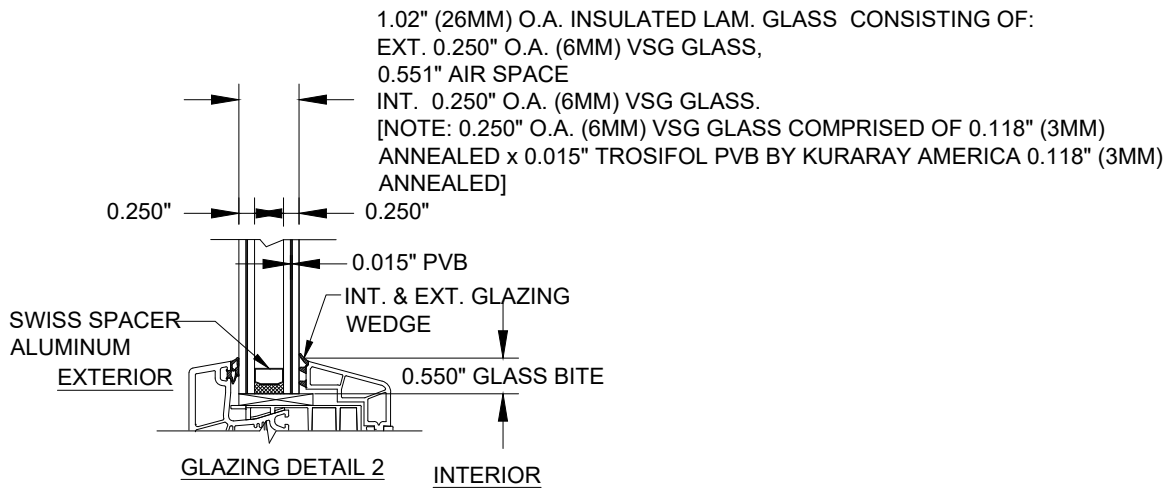
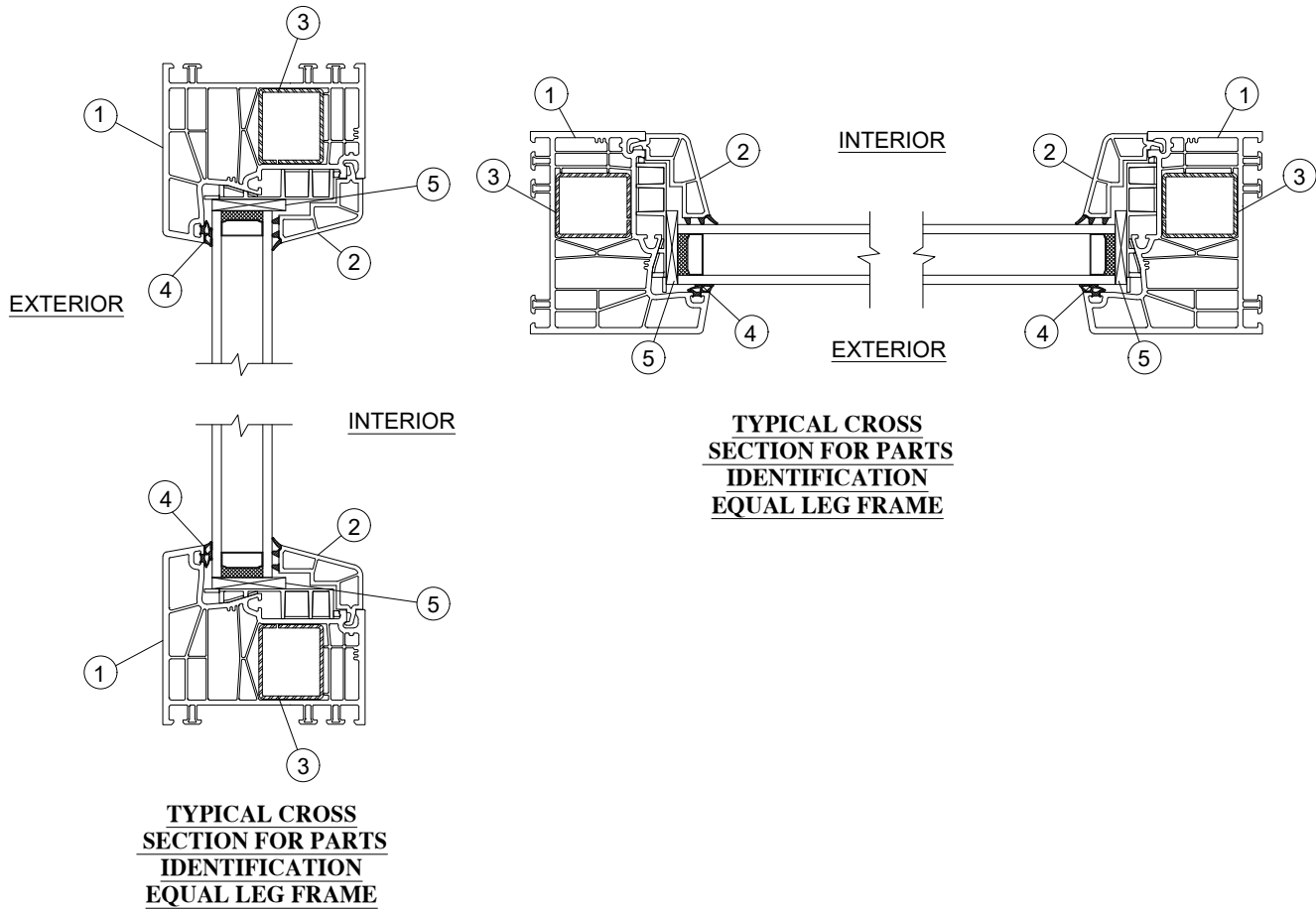
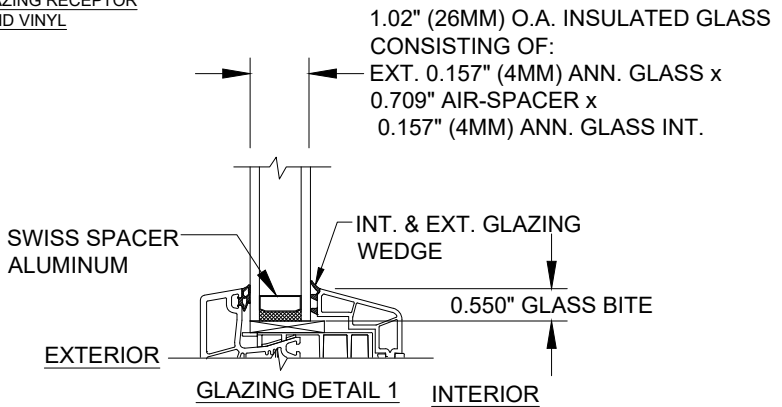
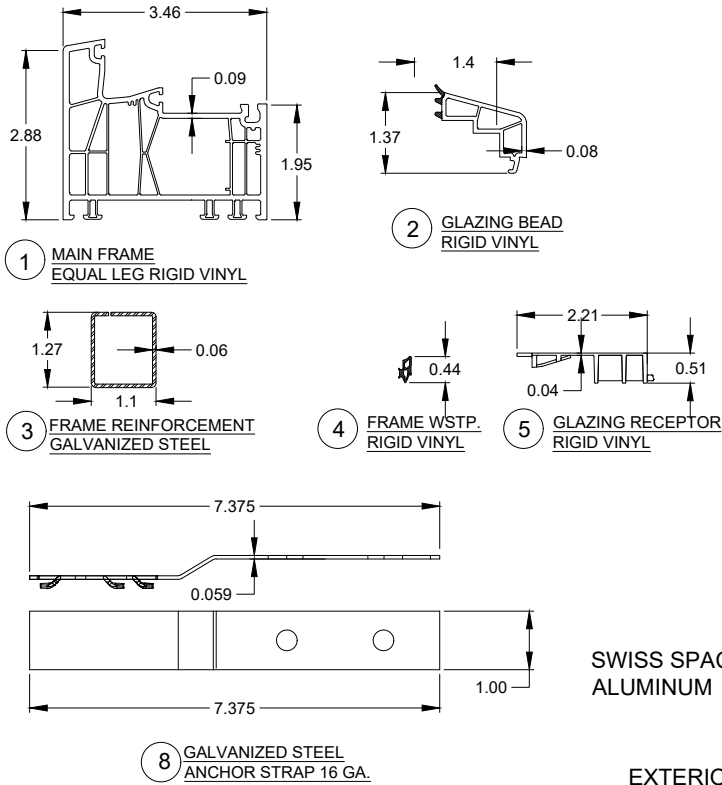
ROBERT J. AMORUSO
FL. P.E. NO. 49752



12472 LAKE
UNDERHILL RD
NO. 148
ORLANDO, FL 32828
robert.amoruso@
comcast.net

QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	88171	MAIN FRAME HEAD, RIGID VINYL	UNILUX
2	2624	1.20" I.G. LAMINATED GLAZING BEAD, RIGID PVC	UNILUX
3	V309	FRAME REINFORCEMENT-GALV. STL.	UNILUX
4	-----	EXTERIOR GLAZING WEDGE-RIGID VINYL	PURCHASE
5	-----	GLAZING RECEPTOR, RIGID PVC	UNILUX
6	-----	EPDM SETTING BLOCKS	PURCHASE
7	-----	#10 PH S.M.S.	PURCHASE
8	-----	GALVANIZED STEEL ANCHOR STRAP	PURCHASE
9	-----	#14 PH WOOD SCREW	PURCHASE
10	-----	1/4" DIAM. I.T.W. MASONRY ANCHOR	PURCHASE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



UNILUX GmbH Nikolaus-Meeth-Strab1 Salmtal-Germany		
SERIES: KUF/KUDTSF ISOSTAR FIXED VINYL WINDOW NON-IMPACT B.O.M./COMP. & GLAZING DETAILS		
DRAWN: JRM	DWG NO. NL-0122	REV -
SCALE NTS	DATE 12/05/2018	SHEET 7 OF 7

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

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No 49752

12472 LAKE
UNDERHILL RD
NO. 148
ORLANDO, FL 32828
robert.amoruso@comcast.net