

UNILUX GmbH

SERIES "DTSZ" ALUMINUM CLAD

WOOD I.S. DBL ENTRY DOOR W/SIDELIGHTS

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, 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 REQUIREMENTS FOR OPENING PROTECTION DUE TO WINDBORNE DEBRIS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED WITH THIS PRODUCT. THIS PRODUCT MEETS LARGE MISSILE IMPACT IN HVHZ AREAS AND WIND ZONE 4/MISSILE LEVEL D IN NON-HVHZ AREAS.
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. GLAZING:

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

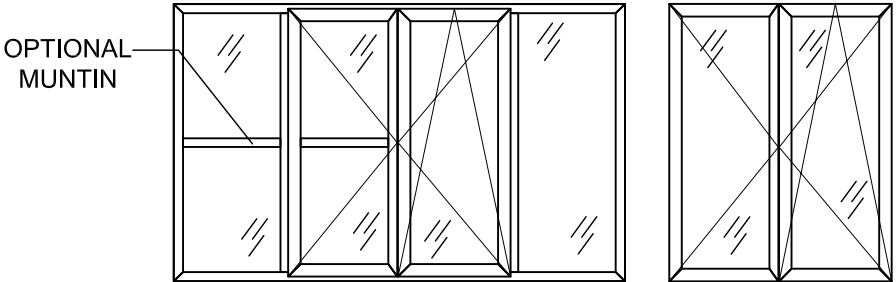
8.2. SEE GLAZING DETAIL ON SHEET 9 OF 11.

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

8.4. APPROVED INTERLAYER FROM KURARAY AMERICA SENTRYGLAS PER CURRENT MIAMI DADE NOTICE OF ACCEPTANCE (N.O.A.)
9. DESIGNATIONS "X" STAND FOR THE FOLLOWING:

9.1. X: OPERABLE

9.2. O: STATIONARY



OPTIONAL MUNTIN (APPLICABLE TO ALL ELEVATIONS)

APPROVED ELEVATIONS OXXO & XX

10. 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".
11. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS. ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW. SEE ANCHOR LAYOUTS AND NOTES ON SHEETS 3 AND 4 FOR ANCHOR QUANTITIES AND REQUIRED SPACING, EMBEDMENT AND EDGE DISTANCES.
12. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55 (HVHZ) OR 0.42 (NON-HVHZ).

B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT (DENSITY > 117PCF)

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PERFORMANCE RATING (PSF)		
MAX. SIZE TESTED (IN)	MAX. DESIGN PRESSURE (PSF)	IMPACT RATING
168.30" x 96.06" OXXO	± 60	LARGE MISSILE
84.3" x 96.06" XX		
GLAZING REQUIREMENTS		
SEE SHEET 9 FOR DETAILS		
APPROXIMATELY 1-1/4" THICK OVERALL 0.250" TEMPERED GLASS / .470" AIRSPACE: SWISSPACER WARM-EDGE SPACER BAR / 0.1875" HEAT STRENGTHENED GLASS / 0.115" SG BY KURARAY AMERICA/ 0.1875" HEAT STRENGTHENED GLASS		

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		11/3/17		DATE
	UPDATE MANUFACTURER ADDRESS			
B	ID IGU SPACER MATERIAL	A		REV
	DESCRIPTION			

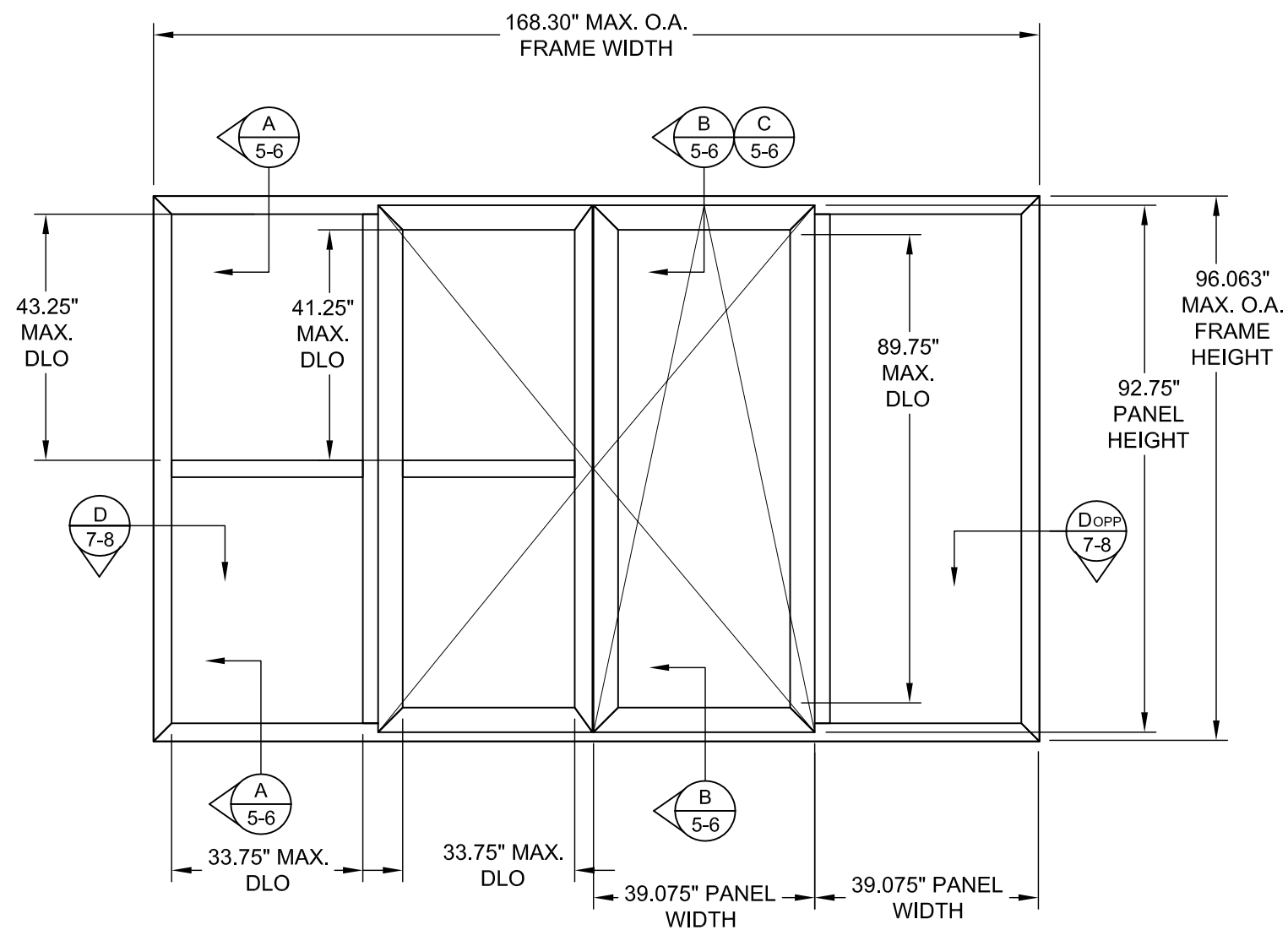
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		DRAWN BY: JRM	DRAWING NO: NL_0060	
		SCALE: N.T.S.	REV: B	

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FL. P.E. NO. 49752



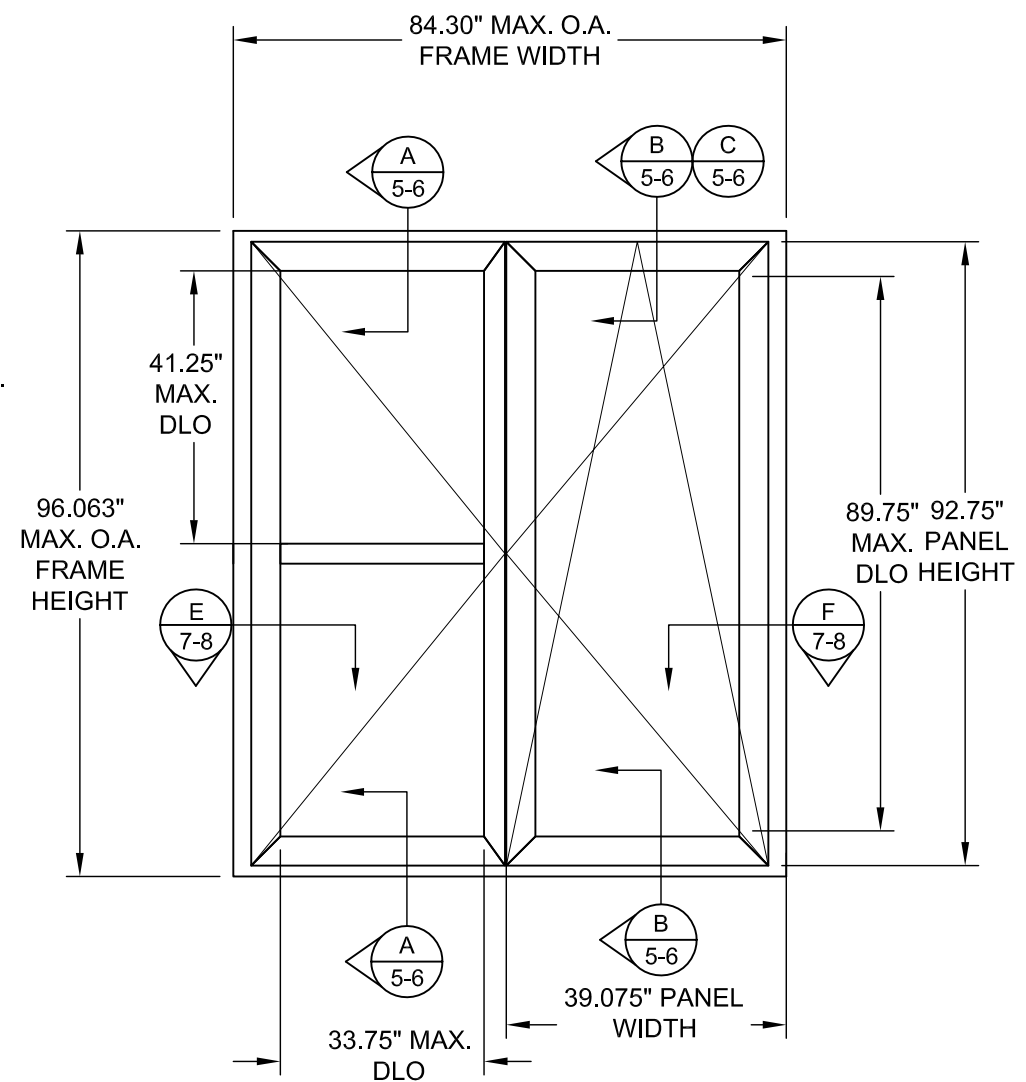
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SERIES "DTS" ALUMINUM CLAD WOOD
I.S. DBL ENTRY DOOR W/SIDELIGHTS
INTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
± 60 PSF	LARGE MISSILE



SERIES "DTS" ALUMINUM CLAD WOOD
I.S. DBL ENTRY DOOR
INTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
± 60 PSF	LARGE MISSILE

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Nikolaus-Meeth-Str. 1, DE 54528 Salmtal, Germany

TITLE: SERIES "DTSZ" I.S. DBL ENTRY DOOR W/ SIDELIGHTS
ELEVATION LAYOUTS

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DATE: 08/01/16

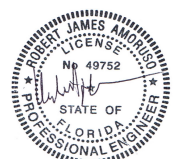
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SHEET: 2 OF 11

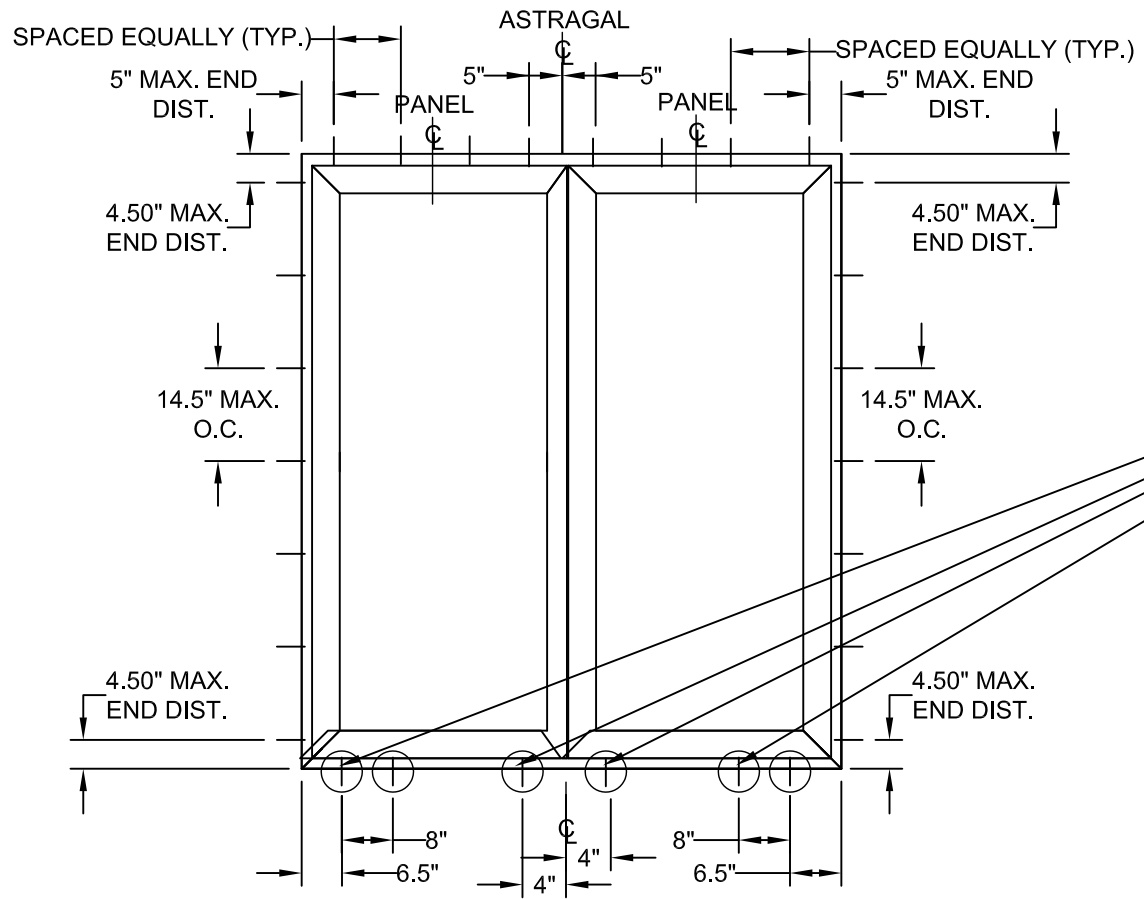
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REV	DESCRIPTION	DATE	BY
B	UPDATE MANUFACTURER ADDRESS	11/3/17	RJA
A	ID IGU SPACER MATERIAL	2/22/17	RJA



ANCHOR LAYOUT
INTERIOR VIEW

INSTALLATION NOTES:

- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH A LOAD BEARING SHIM, SHIM WHERE SPACE OF 1/16" OR GREATER OCCURES. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- FOR ANCHORING THROUGH FRAME OR INSTALLATION CLIP INTO CONCRETE OR MASONRY USE 1/4" ADVANCED THREADFORM TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE THE FOLLOWING:
 - CONCRETE: 1-1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1-1/2" MINIMUM EDGE DISTANCE.
 - CMU/MASONRY: 1" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE.
- 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. WITH SUFFICIENT LENGTH TO ACHIEVE 1-1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42 (NON-HVHZ) AND 0.55 (HVHZ)
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 MEDIUM WT. DENSITY > 117 PCF.
- HEAD AND SILL ANCHORS SPACED EQUALLY ABOUT PANEL CENTERLINE BETWEEN END ANCHORS (AT JAMBS AT 3.75" MAX.) AND PANEL INTERLOCK/ASTRAGAL (5" ON EITHER SIDE OF INTERLOCK/ASTRAGAL, EXCEPT AS NOTED IN DETAIL A).
- NO INSTALLATION SCREWS REQUIRED THROUGH SILL. USE (2) #10 WOOD SCREWS (WOOD SUBSTRATE) OR 3/16" ADVANCED THREADFORM TAPCONS (CONCRETE SUBSTRATE) THROUGH EACH KEEPER. SCREWS SHALL HAVE MINIMUM EMBEDMENT OF 1-1/2". SEE NOTE 4 FOR SUBSTRATE MATERIAL REQUIREMENTS.

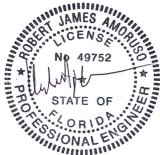
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		11/3/17	DATE
	UPDATE MANUFACTURER ADDRESS		
	ID IGU SPACER MATERIAL	2/22/17	
	DESCRIPTION		
		REV	

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ANCHOR NOTES AND LAYOUT

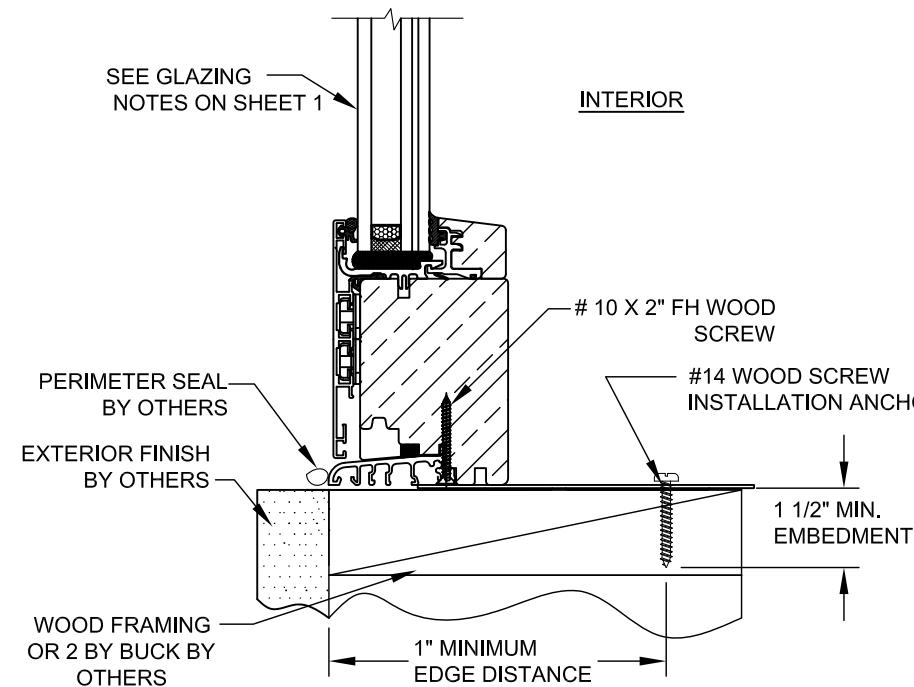
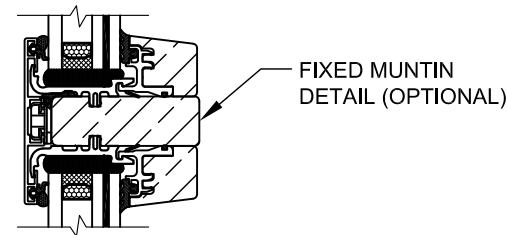
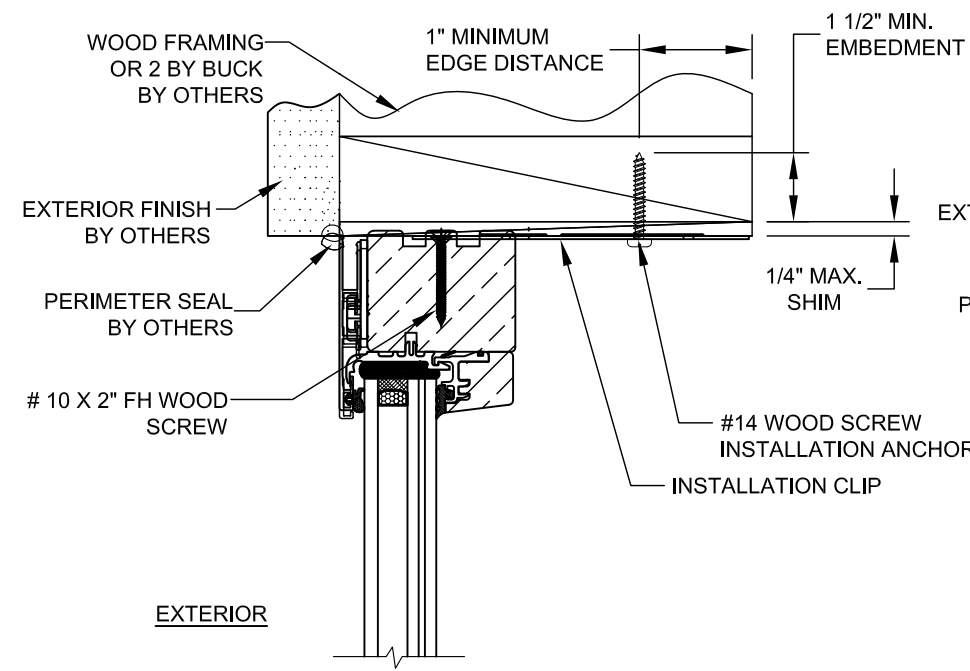
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REV: B	SHEET: 4 OF 11

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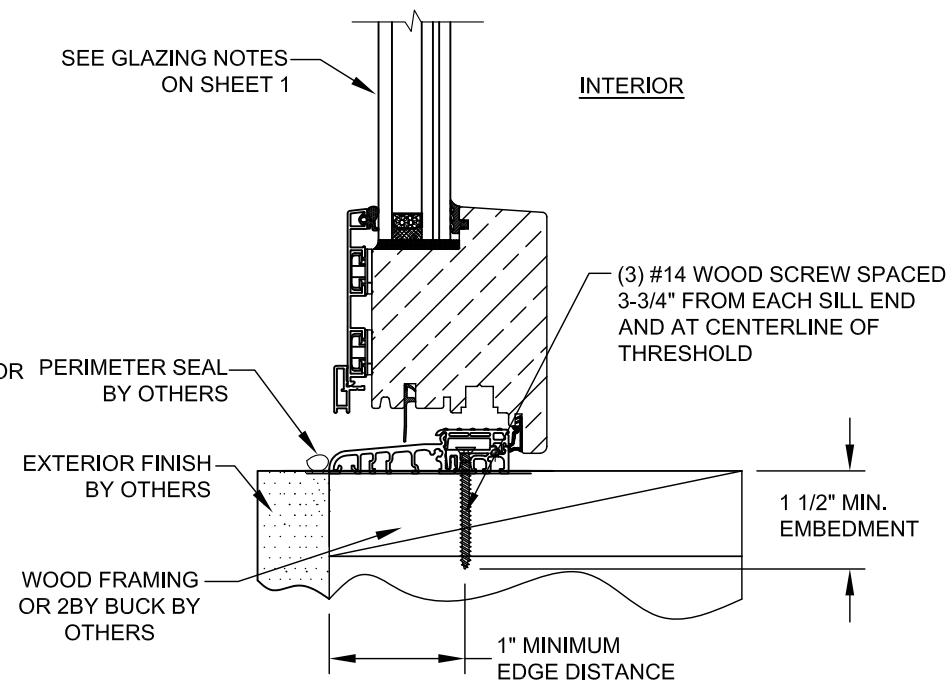
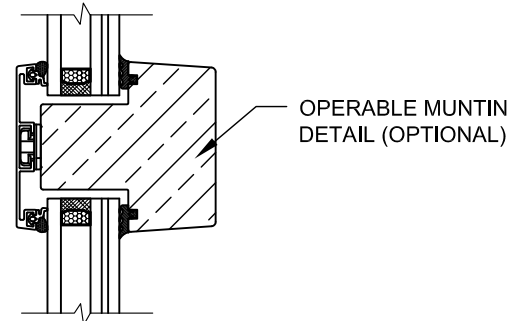
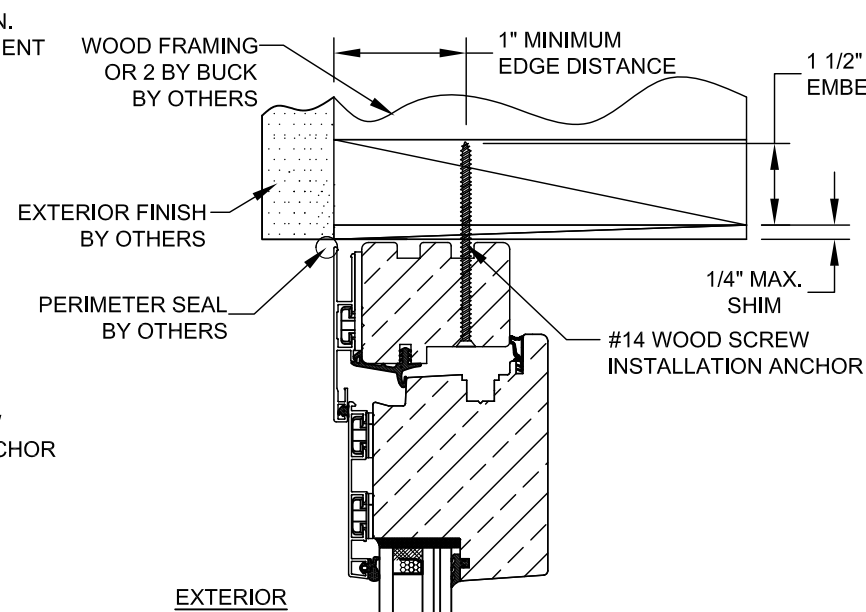
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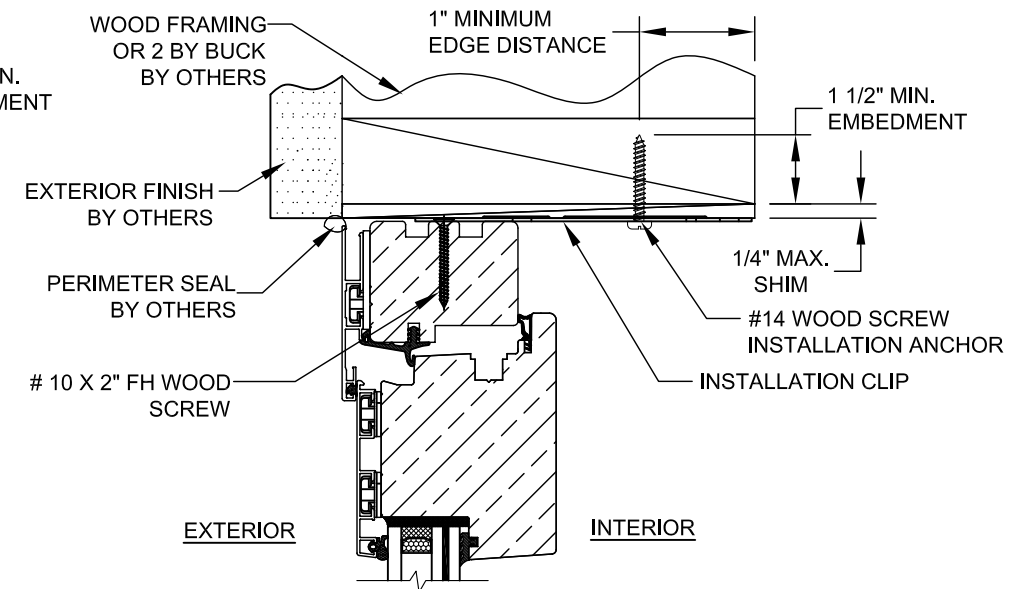
A
5

VERTICAL SECTION
INSTALLATION CLIP
2 BY WOOD SUBSTRATE
STATIONARY PANEL



B
5

VERTICAL SECTION
2 BY WOOD SUBSTRATE
OPERABLE PANEL



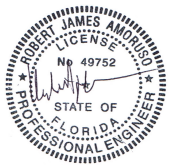
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5

VERTICAL SECTION
INSTALLATION CLIP
2 BY WOOD SUBSTRATE
OPERABLE PANEL (HEAD)

		RJA	BY
		11/3/17	DATE
	UPDATE MANUFACTURER ADDRESS		
	ID IGU SPACER MATERIAL	RJA	
		2/22/17	
			DESCRIPTION
		REV	

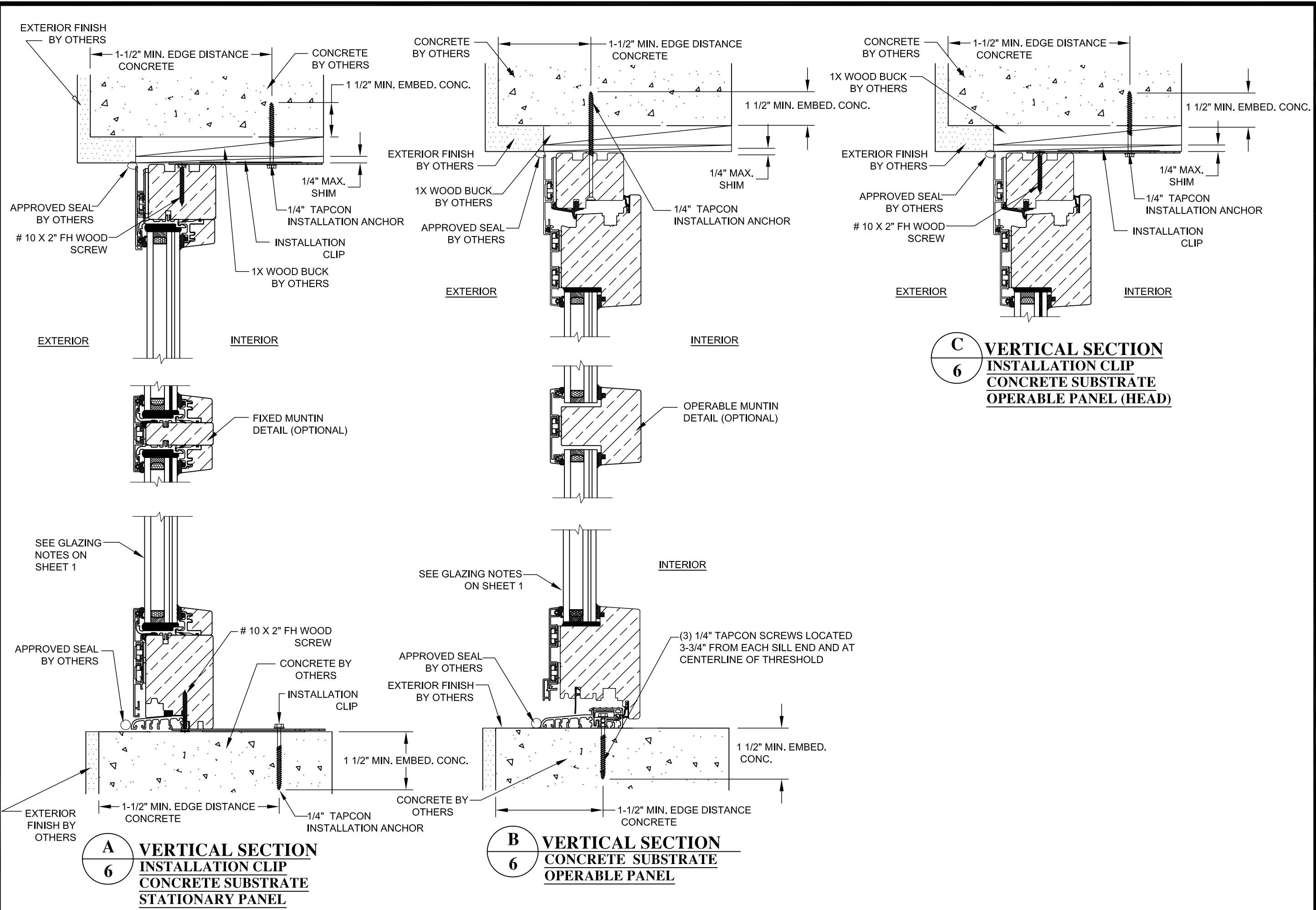
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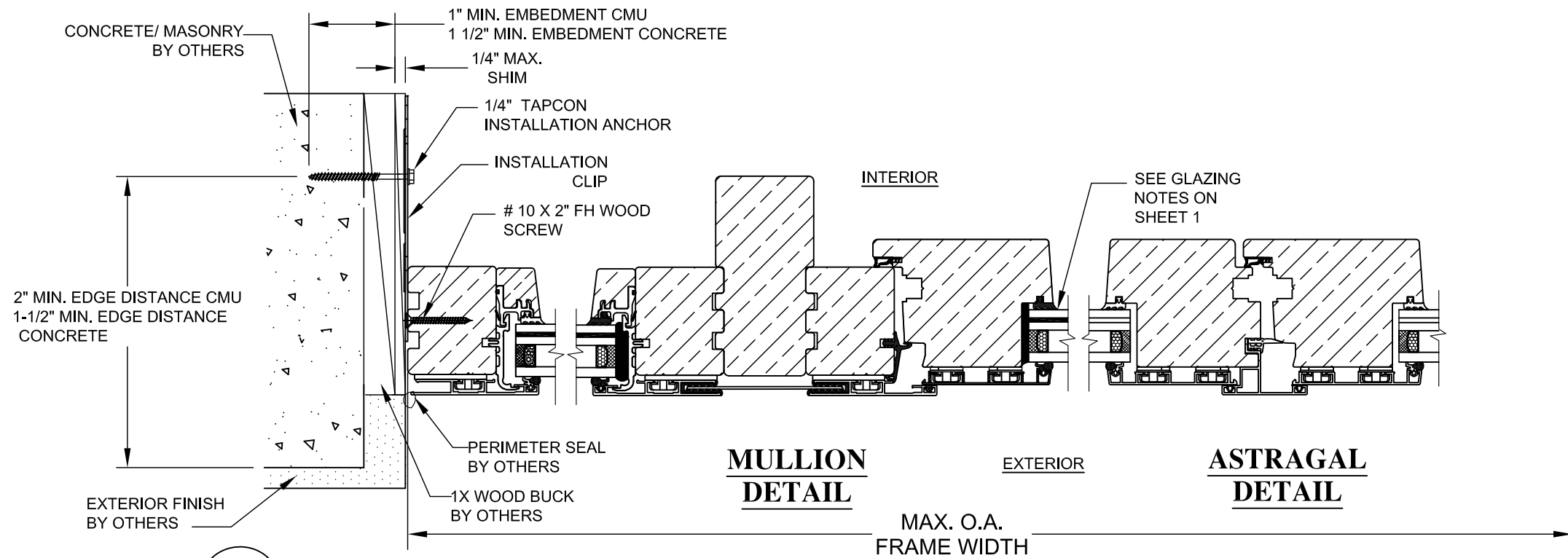


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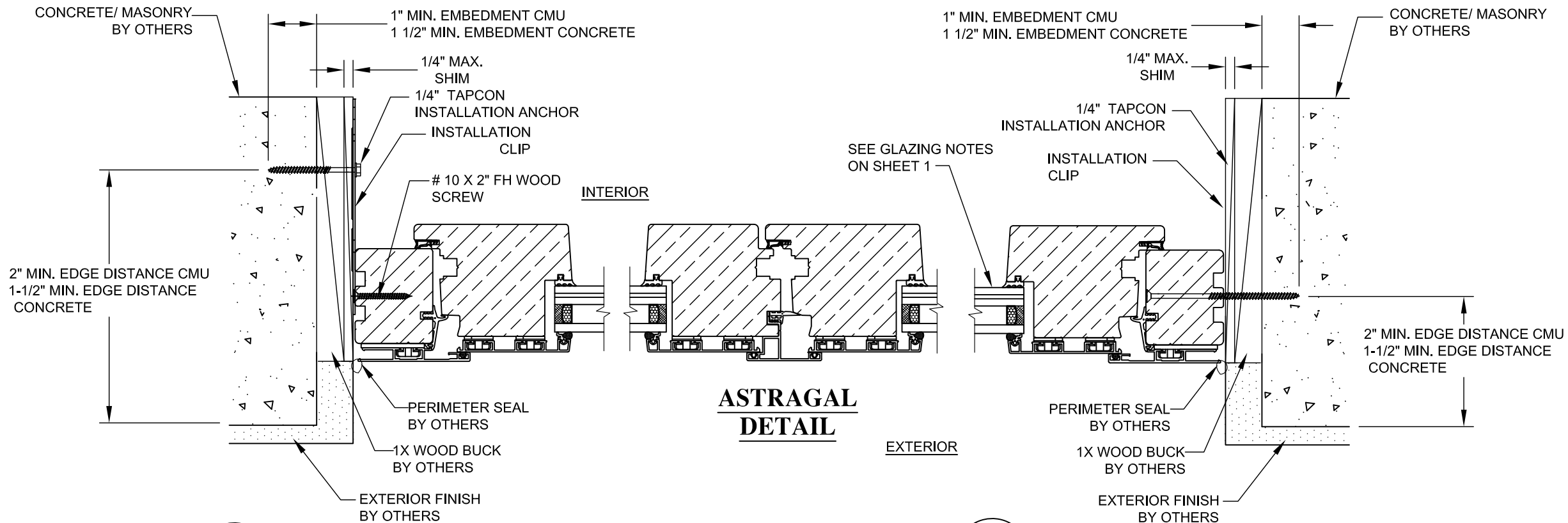


UNILUX GmbH Nikolaus-Meeth-Str. 1, DE 54528 Salmtal, Germany		TITLE: SERIES "DTSZ" I.S. DBL ENTRY DOOR W/ SIDELIGHTS VERTICAL INSTALLATION DETAILS		DRAWN BY: JRM SCALE: N.T.S. REV: B		DATE: 08/01/16 DRAWING NO: NL_0060 SHEET: 6 OF 11	
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D
7

HORIZONTAL SECTION
INSTALLATION CLIP
MASONRY/CONCRETE SUBSTRATE
STATIONARY PANEL



E
7

HORIZONTAL SECTION
INSTALLATION CLIP
CONCRETE/MASONRY SUBSTRATE
OPERABLE PANEL

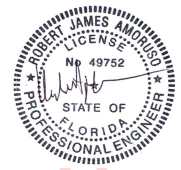
F
7

HORIZONTAL SECTION
CONCRETE/MASONRY SUBSTRATE
OPERABLE PANEL

		RJA	BY
	11/3/17	RJA	DATE
UPDATE MANUFACTURER ADDRESS			
ID IGU SPACER MATERIAL	2/22/17	RJA	
DESCRIPTION			
REV			

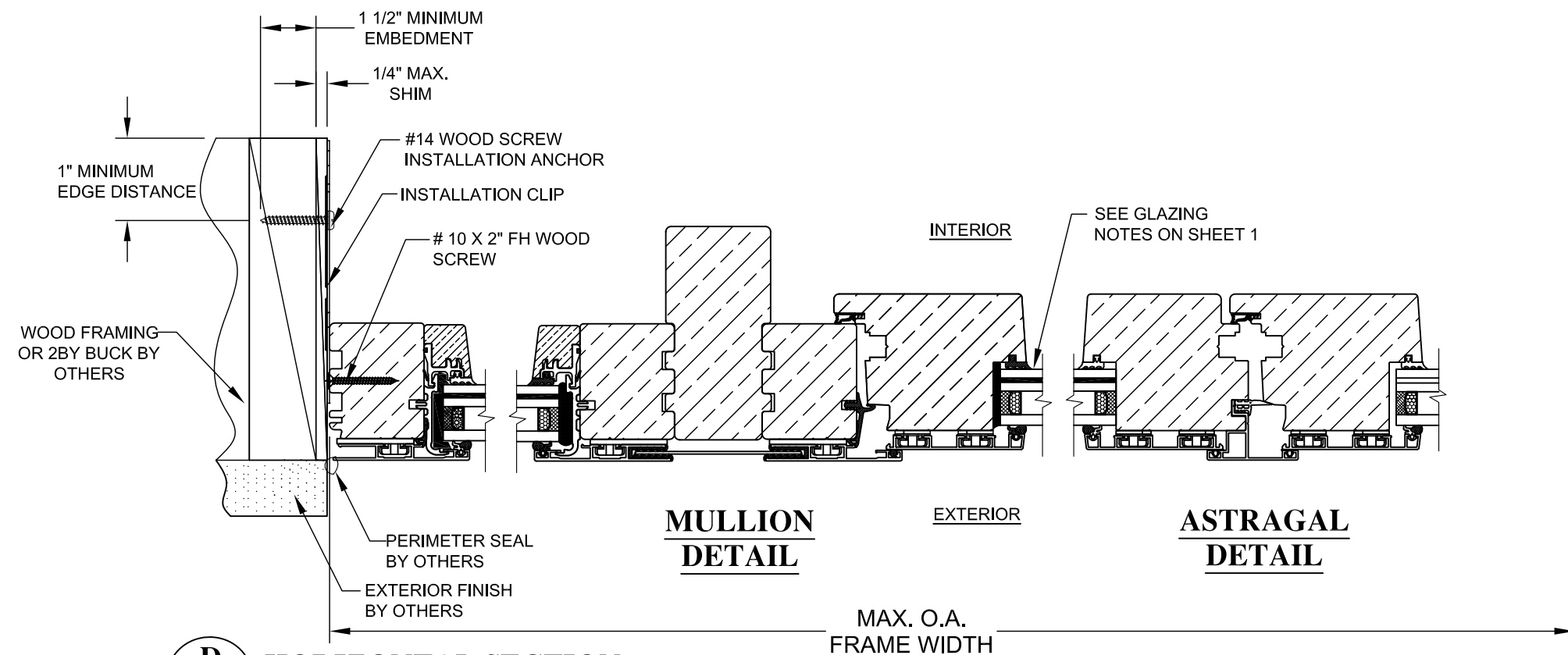
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		SCALE: N.T.S.	
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		SHEET: 7 OF 11	

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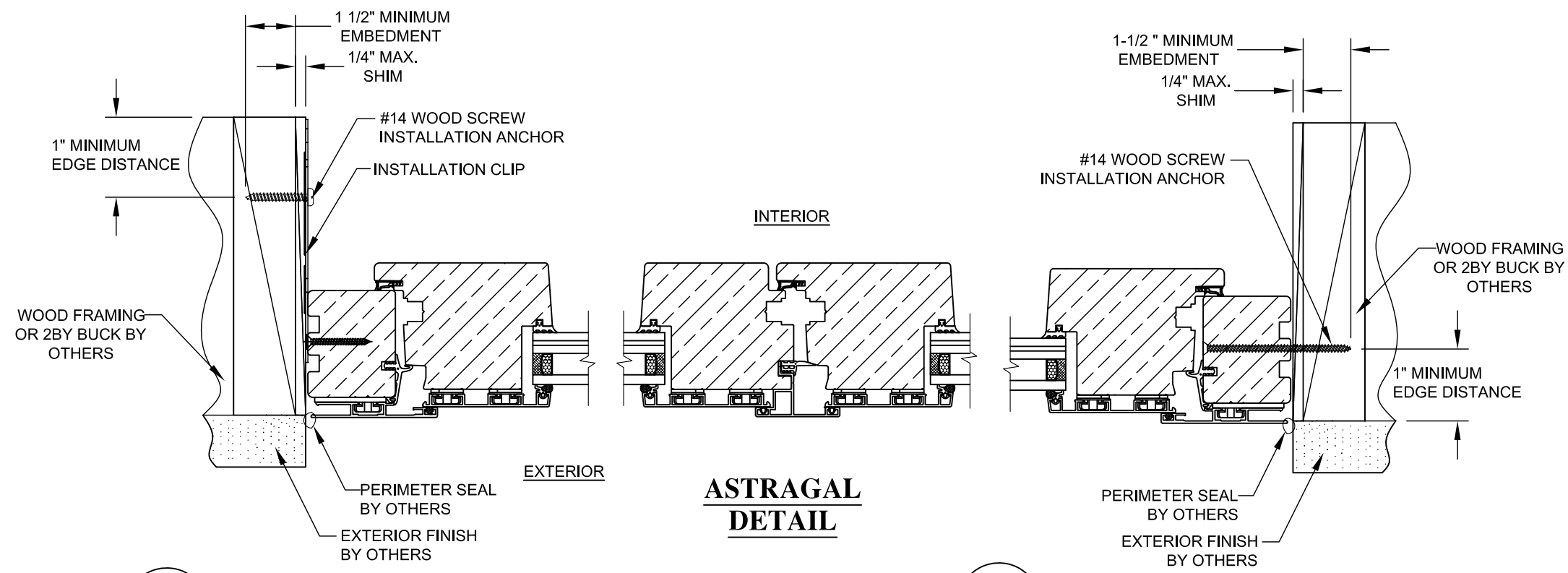


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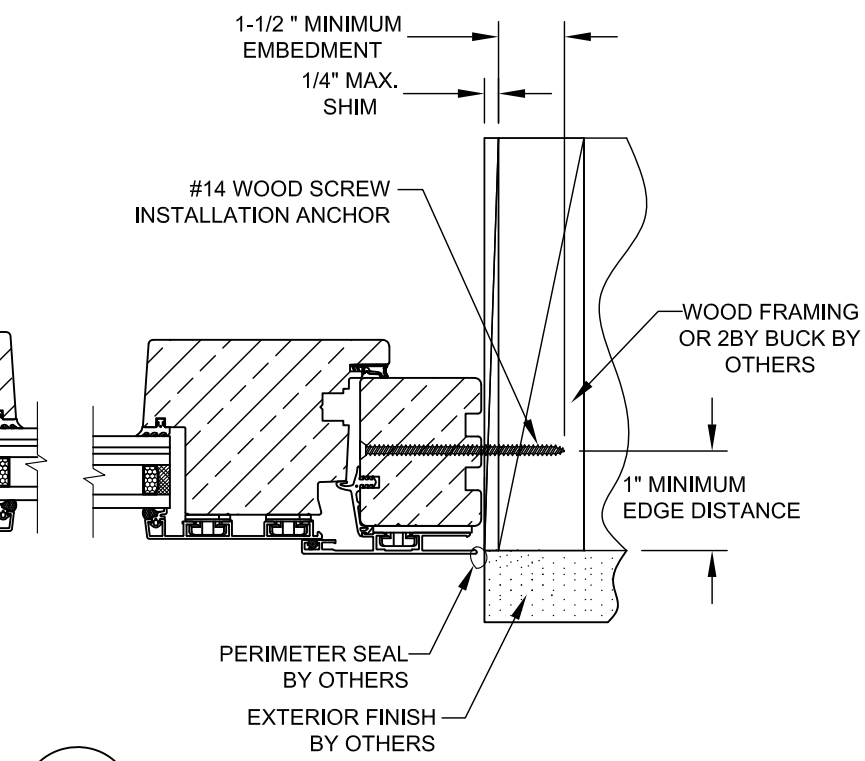
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D
8
HORIZONTAL SECTION
INSTALLATION CLIP
2 BY WOOD SUBSTRATE
STATIONARY PANEL



E
8
HORIZONTAL SECTION
INSTALLATION CLIP
2 BY WOOD SUBSTRATE
OPERABLE PANEL

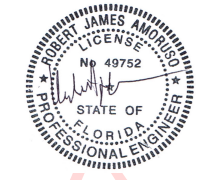


F
8
HORIZONTAL SECTION
THROUGH FRAME
2 BY WOOD SUBSTRATE
OPERABLE PANEL

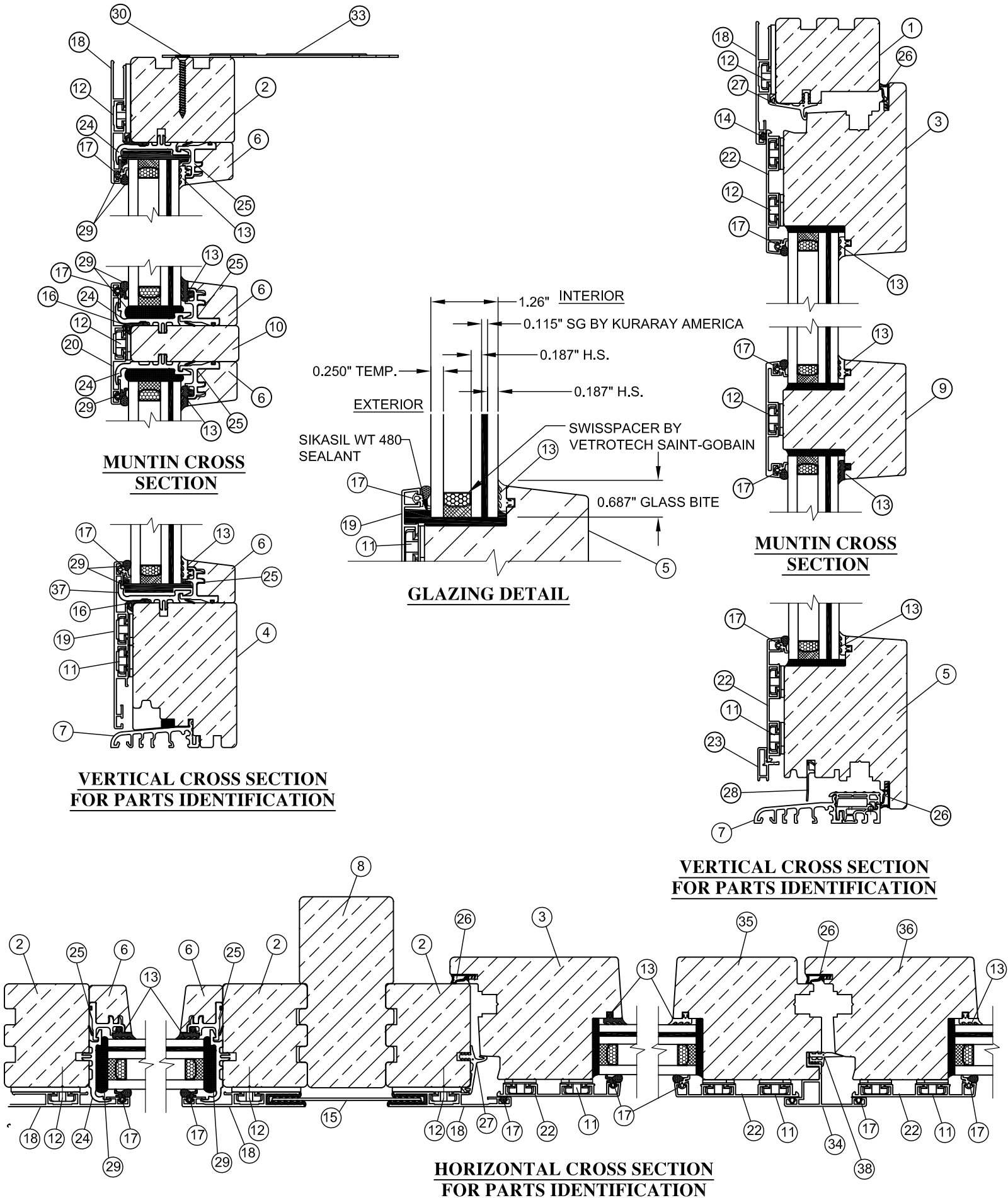
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B			REV
A	ID IGU SPACER MATERIAL	2/22/17	

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HORIZONTAL INSTALLATION DETAILS		DRAWING NO: NL_0060	
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REV: B		SHEET: 8 OF 11	

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QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	F41-0007-1	OPERABLE FRAME HEAD, WOOD G .50	UNILUX
2	F41-0006-1	FIXED HEAD & OPERABLE JAMB WOOD G .50	UNILUX
3	F51-0013-39	PANEL STILE (TOP & SIDE), WOOD G. .50	UNILUX
4	F51-0093	FIXED BOTTOM, WOOD G. .50	UNILUX
5	F51-0097-39	PANEL BOTTOM, WOOD G. .50	UNILUX
6	F51-0111	GLAZING BEAD, WOOD G. .50	UNILUX
7	E41-0050	THRESHOLD, 6060-T5 ALUMINUM	UNILUX
8	BR-81	MULL POST, WOOD G. .50	UNILUX
9	F51-0029-39	OPERABLE MUNTIN, WOOD G. .50	UNILUX
10	F41-0027	FIXED MUNTIN, WOOD G. .50	UNILUX
11	E41-0114	FASTENER CLADDING SASH, 6060-T5 ALUMINUM	UNILUX
12	E41-0116	FASTENER CLADDING FRAME, 6060-T5 ALUMINUM	UNILUX
13	E41-1002	GLAZING GASKET INT., RUBBER EPDM DUR 80	UNILUX
14	E41-1003	FRAME GASKET, EPDM DUR 80	UNILUX
15	E41-1017	MULL CLADDING GASKET INT., EPDM DUR 80	UNILUX
16	E41-1028	CENTER SEAL, RUBBER EPDM DUR 70	UNILUX
17	E41-1029	GLAZING GASKET, RUBBER EPDM DUR 80	UNILUX
18	E51-0002	CLADDING FRAME, 6060-T5 ALUMINUM	UNILUX
19	E51-0004	CLADDING FIXED SASH, 6060-T5 ALUMINUM	UNILUX
20	E51-0009	CLADDING FIXED MUNTIN, 6060-T5 ALUMINUM	UNILUX
21	E55-0011	CLADDING SASH MUNTIN, 6060-T5 ALUMINUM	UNILUX
22	E55-0005	CLADDING SASH 6060-T5 ALUMINUM	UNILUX
23	E51-0081	CLADDING ADAPTOR 6060-T5 ALUMINUM	UNILUX
24	E51-0189	GLAZING SPACER, PVC	UNILUX
25	E51-0187	GLAZING SPACER ADAPTER, PVC	UNILUX
26	E51-1006	SASH GASKET INT., RUBBER EPDM DUR 60	UNILUX
27	E51-1012	FRAME GASKET, RUBBER EPDM DUR 60	UNILUX
28	E51-1045	SASH SWEEP WSTP., RUBBER EPDM DUR 60	UNILUX
29	PURCHASE	205 CLEANER, WT 480 SEALANT	SIKA
30	PURCHASE	#10 PH. FHD WOOD SCREW	UNILUX
31	PURCHASE	#14 P. PHD WOOD INSTALLATION SCREW	UNILUX
32	PURCHASE	1/4 I.T.W. MASONRY ANCHOR	UNILUX
33	E41-2015-2	INSTALLATION CLIP, STEEL	SIMPSON EU
34	E51-0003	CLADDING ASTRAGAL, 6060-T5 ALUMINUM	UNILUX
35	F41-0051	LEFT ASTRAGAL, WOOD G. 50	UNILUX
36	F41-0053	RIGHT ASTRAGAL, WOOD G. 50	UNILUX
35	E51-0185	GLAZING SPACER ADAPTER, PVC	UNILUX
36	E41-1004	ASTRAGAL GASKET, RUBBER EPDM DUR 60	UNILUX

UNILUX GmbH

Nikolaus-Meeth-Str. 1, DE 54528 Salmtal, Germany

TITLE: **SERIES "DTSZ" I.S. DBL ENTRY DOOR W/ SIDELIGHTS**

B.O.M. CROSS SECTIONS & GLAZING DETAIL

DRAWN BY: JRM

DATE: 08/01/16

SCALE: N.T.S.

DRAWING NO: NL_0060

REV: B

SHEET: 9 OF 11

ROBERT J. AMORUSO

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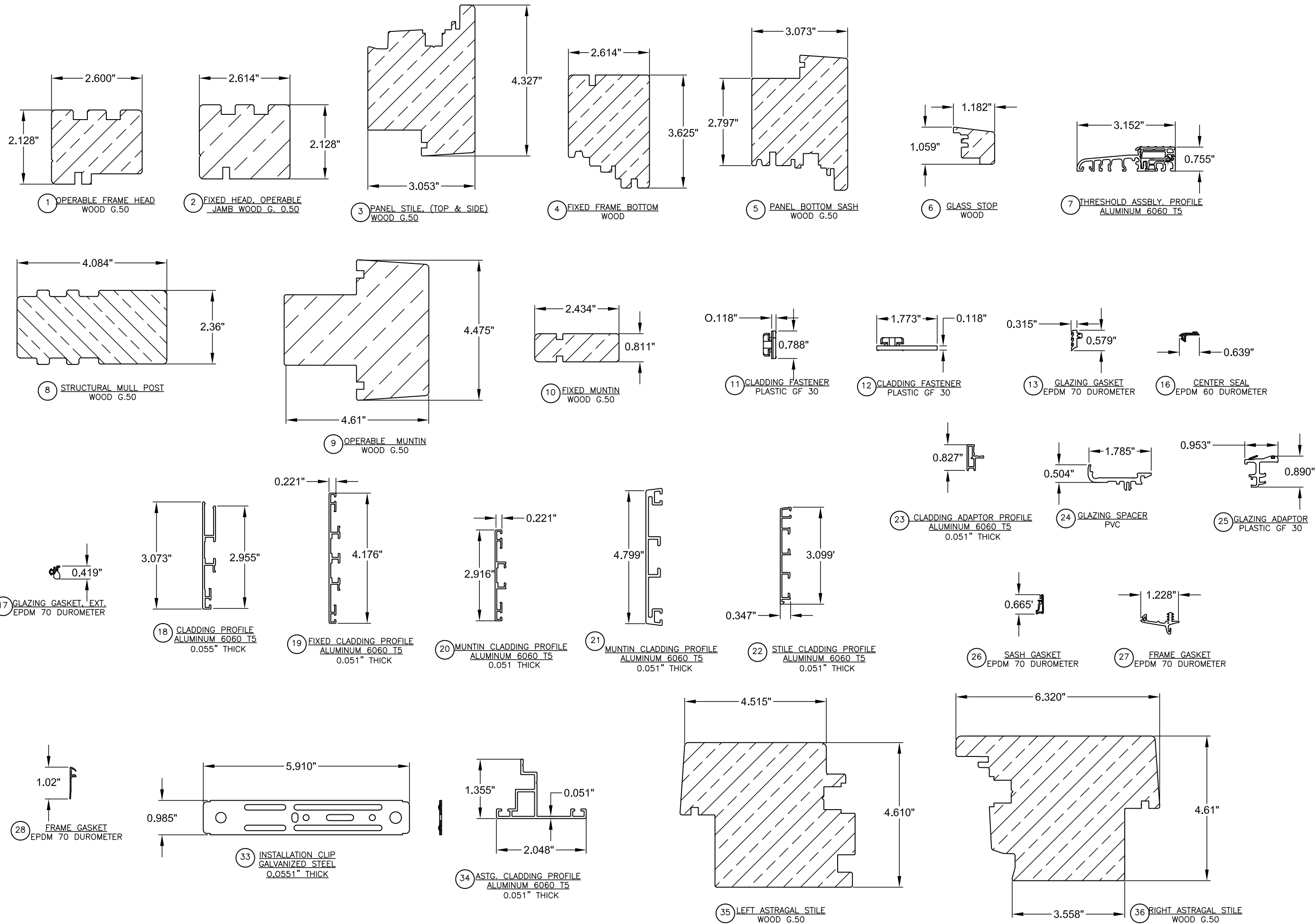
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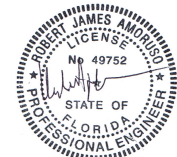
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		RJA	BY
		11/3/17	DATE
	UPDATE MANUFACTURER ADDRESS		
B			REV
A	ID IGU SPACER MATERIAL	2/22/17	

UNILUX GmbH Nikolaus-Meeth-Str. 1, DE 54528 Salmtal, Germany	TITLE: SERIES "DTSZ" I.S. DBL ENTRY DOOR W/ SIDELIGHTS		
	COMPONENTS		
	DRAWN BY: JRM	DATE: 08/01/16	
	SCALE: N.T.S.	DRAWING NO: NL_0060	
	REV: B	SHEET: 10 OF 11	

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

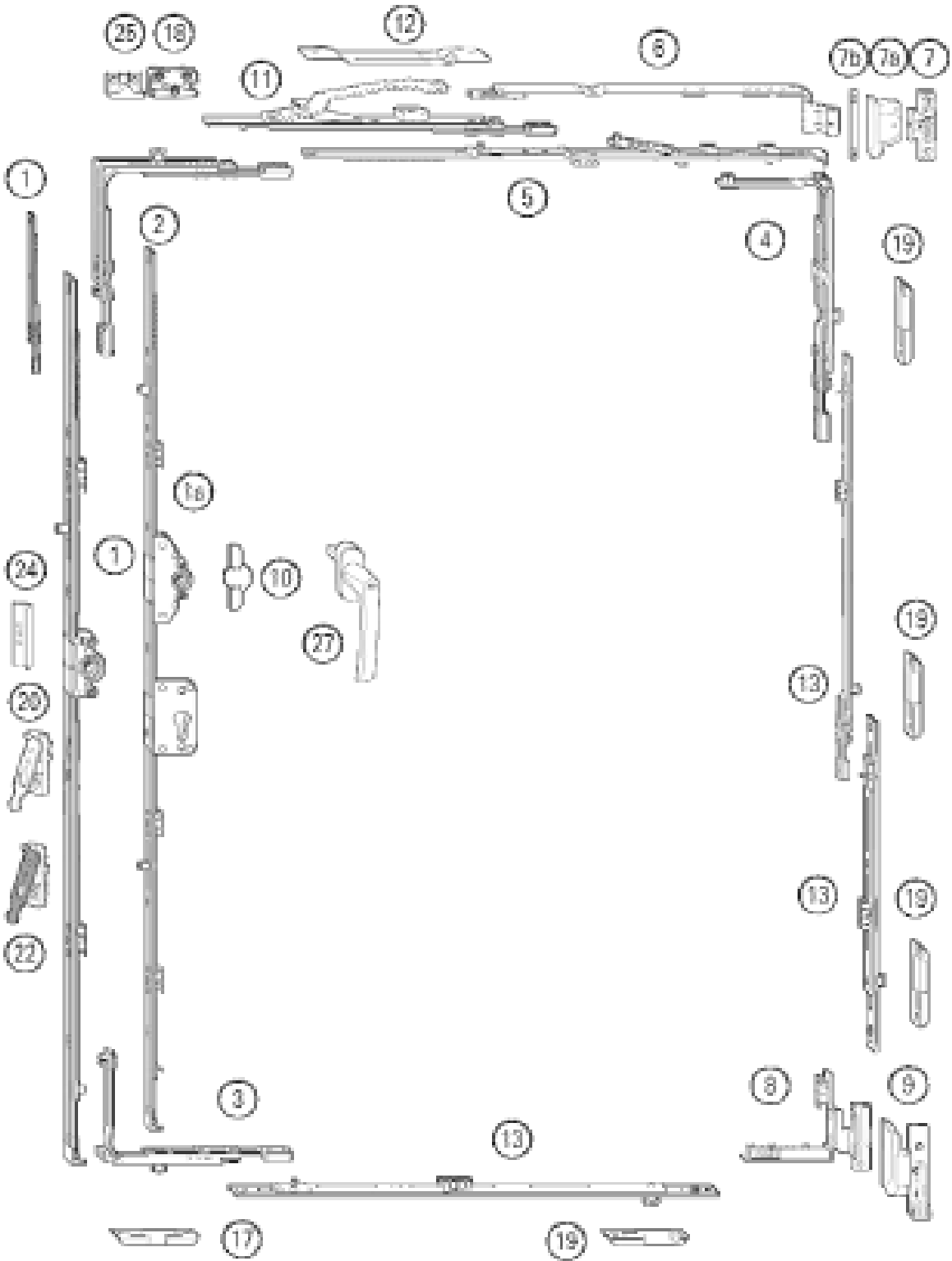


Digitally signed by
Robert J Amoruso
Date: 2017.11.15
10:56:18 -05'00'

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

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
7	230187	SASH STAY HINGE	ROTO
7A	355618	MOULDING COVER AT HINGE	ROTO
7B	227358	HINGE PIN	ROTO
8	262388	REBATE CORNER HINGE	ROTO
9	355620	CORNER PIVOT REST	ROTO
10	264601	DRILL PROTECTION	UNILUX
11	315999	SCISSOR STAY, SASH PART	UNILUX
12	330595	SCISSOR STAY, FRAME PART	UNILUX
13	337711/296853	MULTIPART CENETER LOCK	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
24	284220	MAGNETIC CATCH	UNILUX
25	260527	SLOT-VENT	UNILUX
27	GFORA	HANDLE	UNILUX

ITEMS 14, 15, 16, 21, 23 AND 26 ARE NOT USED.

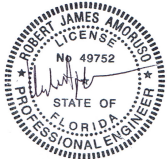


DTSZ HARDWARE

		RJA		BY
		11/3/17		DATE
	UPDATE MANUFACTURER ADDRESS		RJA	
	ID IGU SPACER MATERIAL	2/22/17		
				DESCRIPTION
	B	A	REV	

UNILUX GmbH Nikolaus-Meeth-Str. 1, DE 54528 Salmtal, Germany		DATE: 08/01/16		SHEET: 11 OF 11	
TITLE: SERIES "DTSZ" I.S. DBL ENTRY DOOR W/ SIDELIGHTS HARDWARE DETAILS		DRAWN BY: JRM		SCALE: N.T.S.	
		DATE: 08/01/16		DRAWING NO: NL_0060	
		REV: B			

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