

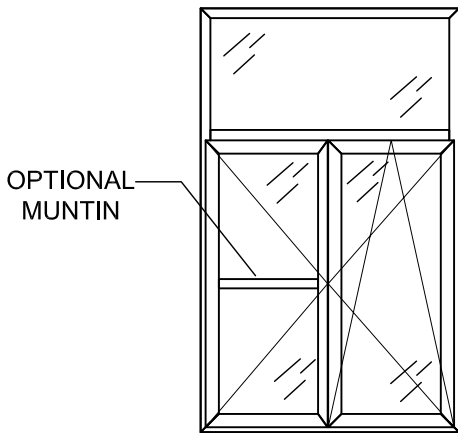
UNILUX GmbH

*SERIES "DKZ" ALUMINUM CLAD
WOOD TILT & TURN W / TRANSOM*

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 SEPERATED 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. 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 LAMINATED GLASS INTERLAYER: KURARAY AMERICA SENTRYGLAS PER CURRENT MIAMI-DADE NOTICE OF ACCEPTANCE (NOA).
9. DESIGNATIONS "X" & "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE
 - O: FIXED



(TYPICAL ELEVATION)

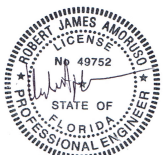
(ELEVATION WITH OPTIONAL MUNTIN SHOWN ABOVE)

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 SHEET 3 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)

TABLE OF CONTENTS		
SHEET	REV.	SHEET DESCRIPTION
1	—	GENERAL AND INSTALLATION NOTES
2	—	ELEVATION AND ANCHOR LAYOUTS
3	—	ANCHOR CHART
4	—	VERTICAL INSTALLATION DETAILS
5	—	VERTICAL INSTALLATION DETAILS
6	—	HORIZONTAL INSTALLATION DETAILS
7	—	B.O.M. CROSS SECTIONS & GLAZING DETAIL
8	—	COMPONENTS
9	—	HARDWARE DETAILS

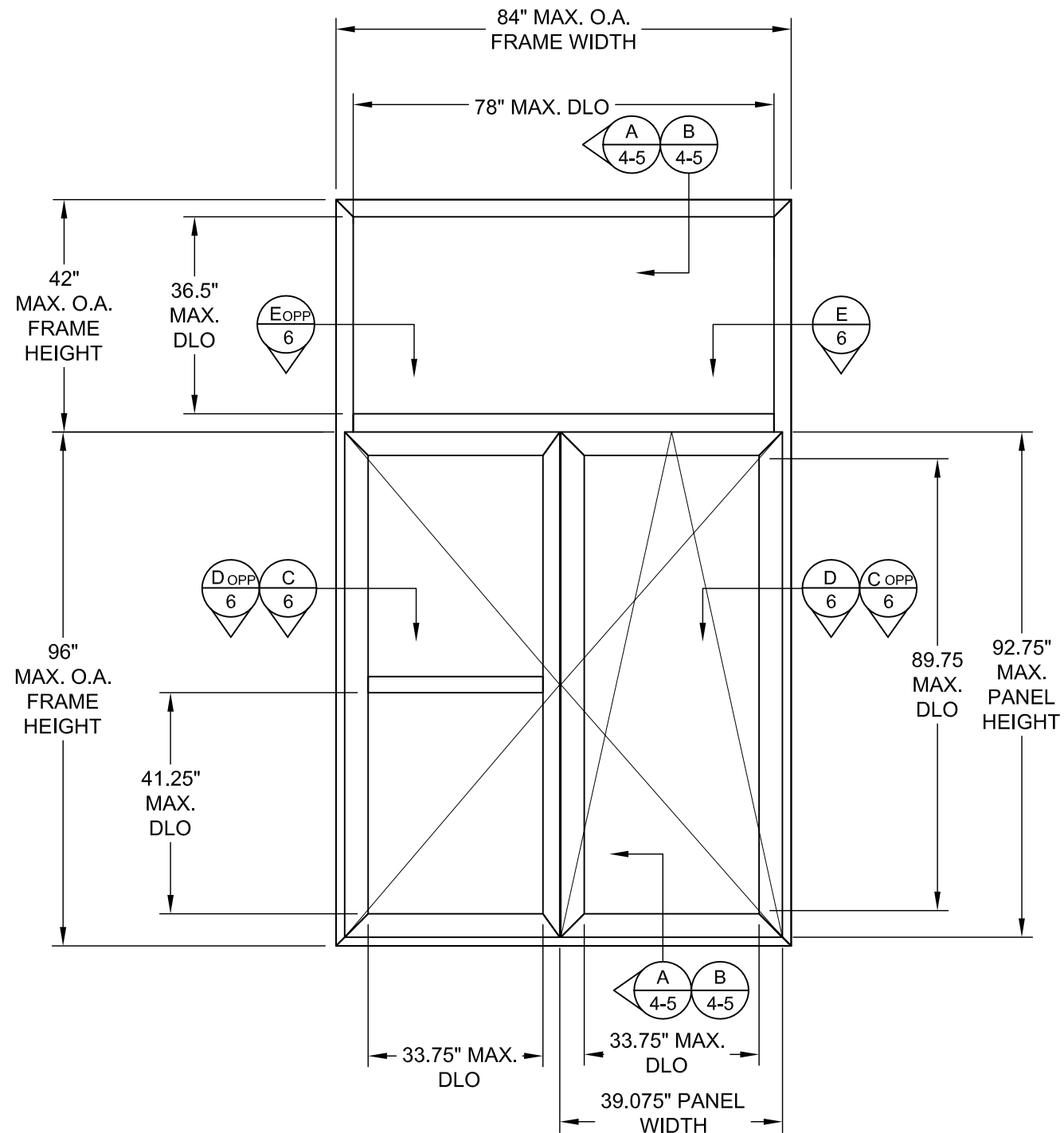
DESIGN PRESSURE RATING (PSF)		
LARGE MISSILE RATING		
MAX. OVERALL TESTED FRAME SIZE (IN)	MAX. DESIGN PRESSURE (PSF)	QUALIFIED CONFIGURATION
84" X 138"	+ - 47.5	O/XX
GLAZING REQUIREMENTS-SEE SHEET 7 FOR DETAILS		
APPROXIMATELY 1-1/4" THICK OVERALL: 0.250" TEMPERED GLASS / 0.470" AIRSPACE: ALUMINUM TECHNOFORM TYPE TS-D SPACER / 0.1875" HEAT STRENGTHENED GLASS / 0.115" SG BY KURARAY AMERICA / 0.1875" HEAT STRENGTHENED GLASS		

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SERIES "DKZ" ALUMINUM CLAD WOOD
TILT AND TURN WITH TRANSOM
INTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
± 47.5 PSF	LARGE MISSILE

UNILUX GMBH

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

TITLE: SERIES "DKZ" ALUM. CLAD WOOD TILT-N-TURN & TRANSOM ELEVATION AND ANCHOR LAYOUT

DRAWN BY: JRM

SCALE: N.T.S.

REV: A

DATE: 08/02/16

DRAWING NO: NL_0051

SHEET: 2 OF 9

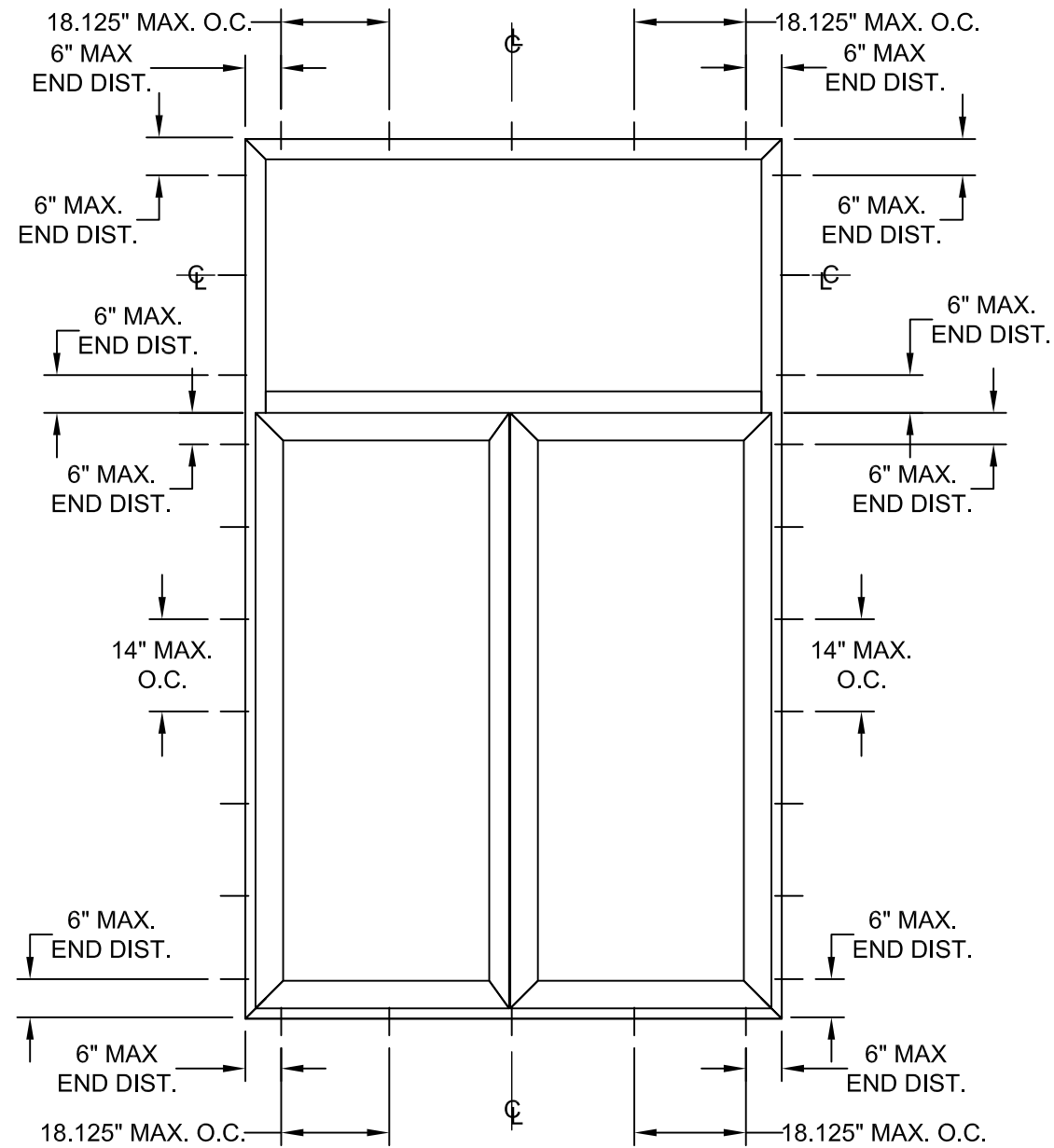
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		A		



ANCHOR LAYOUT

INTERIOR VIEW

INSTALLATION NOTES:

1. 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".
2. FOR ANCHORING THROUGH FRAME OR INSTALLATION CLIP INTO CONCRETE OR MASONRY 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. 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 WT. DENSITY > 117 PCF.

				RJA	BY
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		A	REV		

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

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DATE: 08/02/16

SCALE: N.T.S.

DRAWING NO: NL_0051

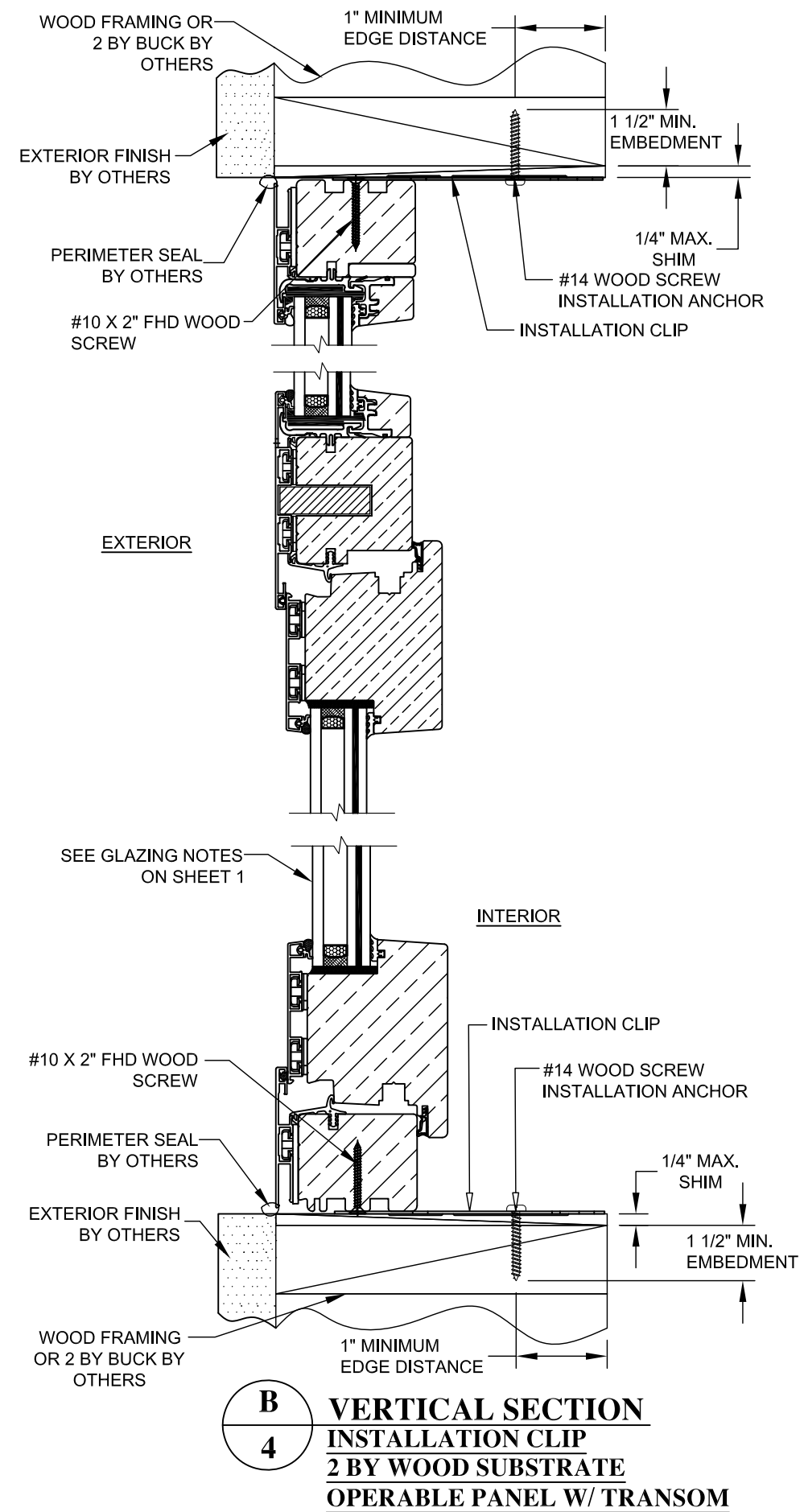
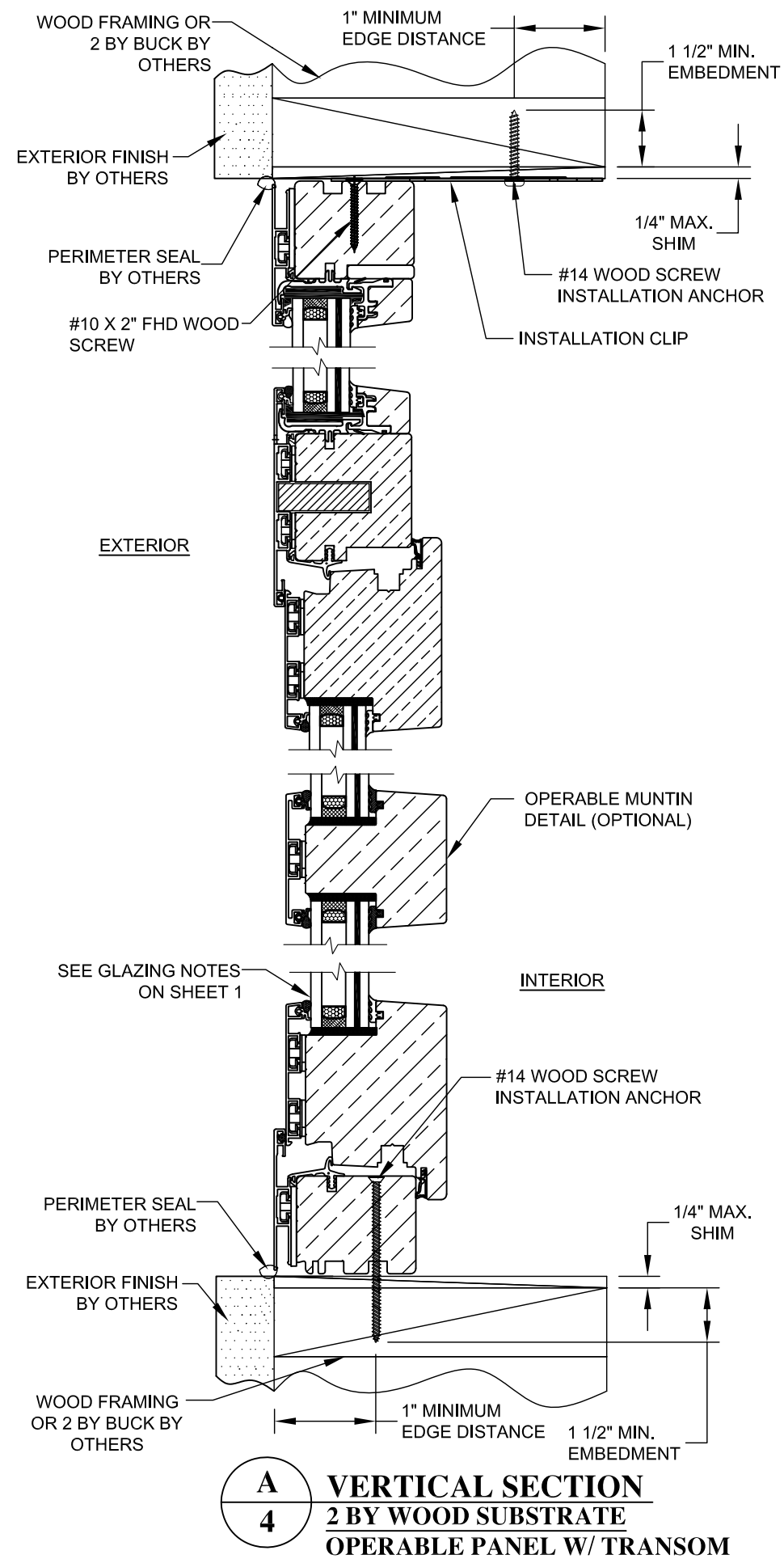
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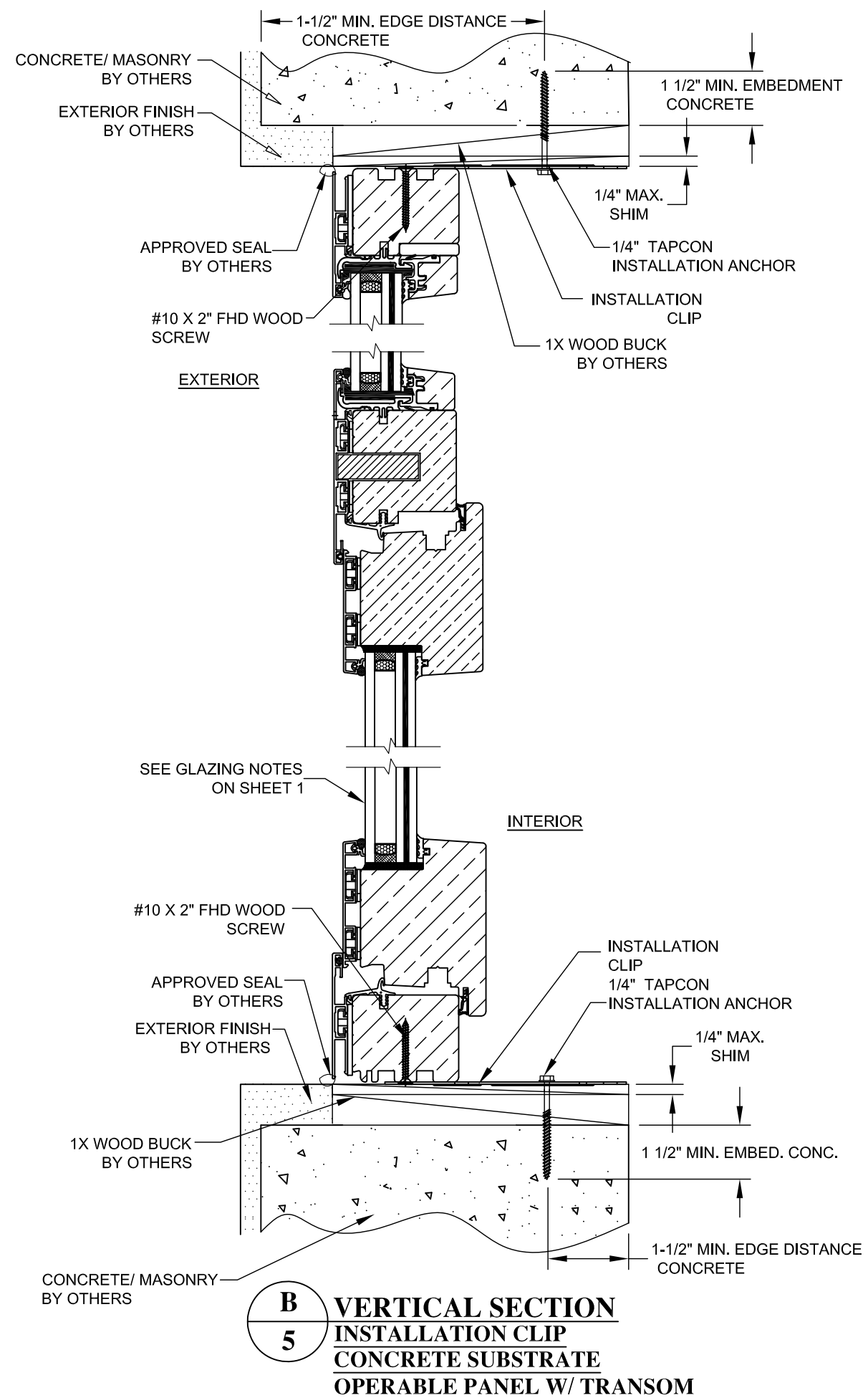
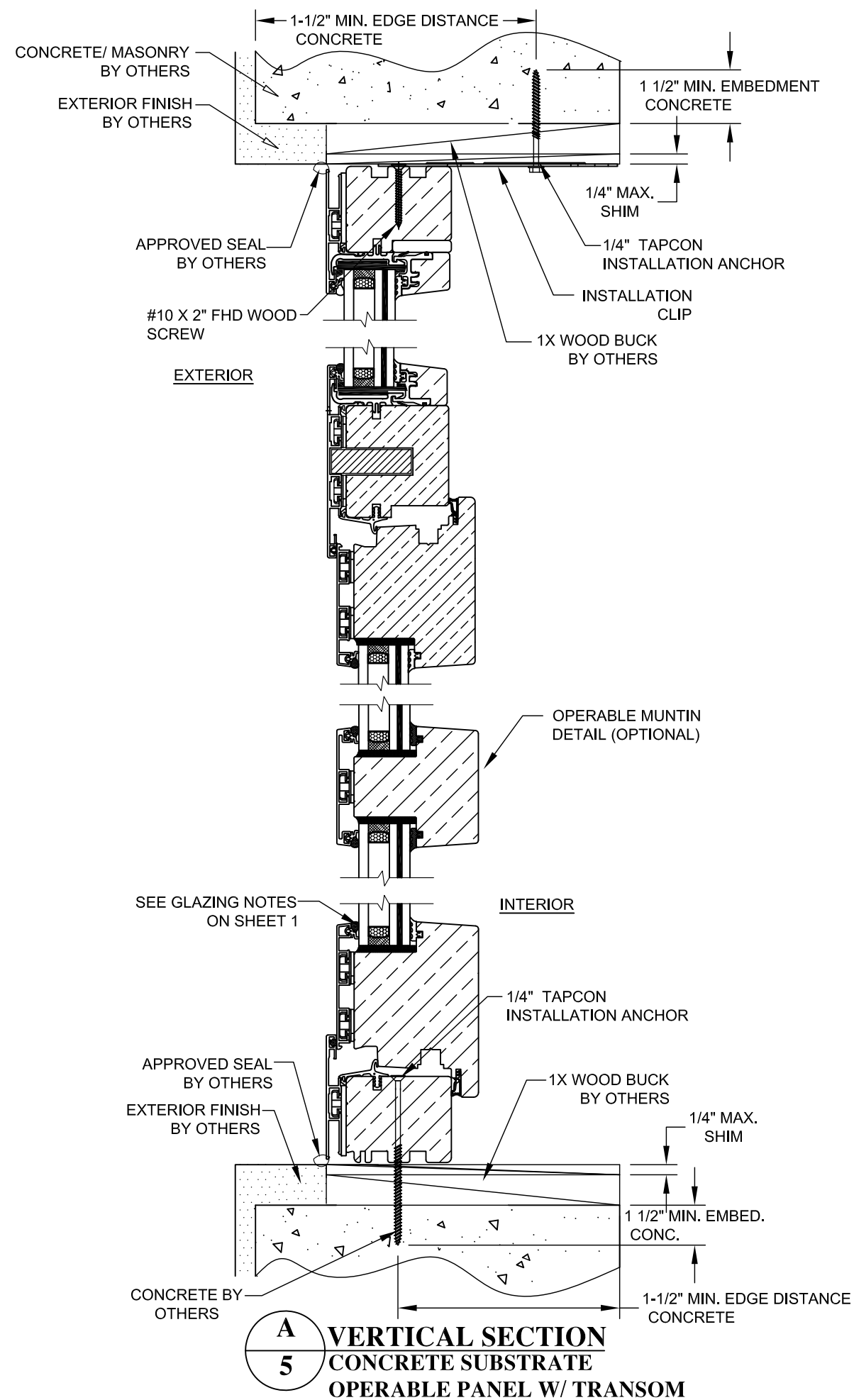
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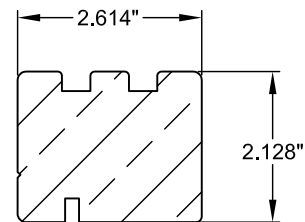
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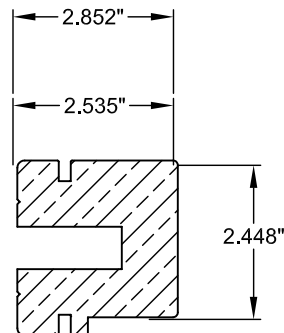
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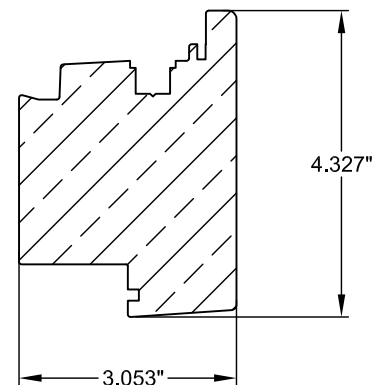




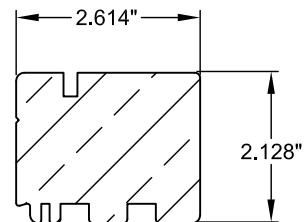
1 F41-0006 TRANSOM
TOP & FRAME JAMBS
WOOD G. .50



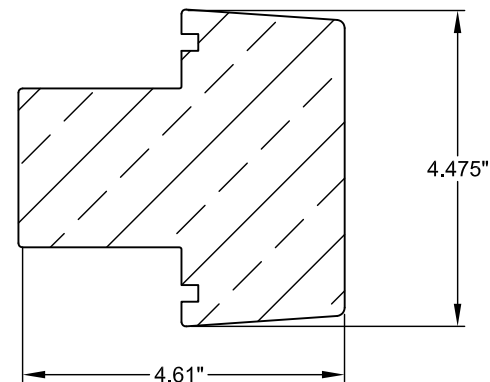
2 F41-0028-2 TRANSOM
BOTTOM STILE
WOOD G. .50



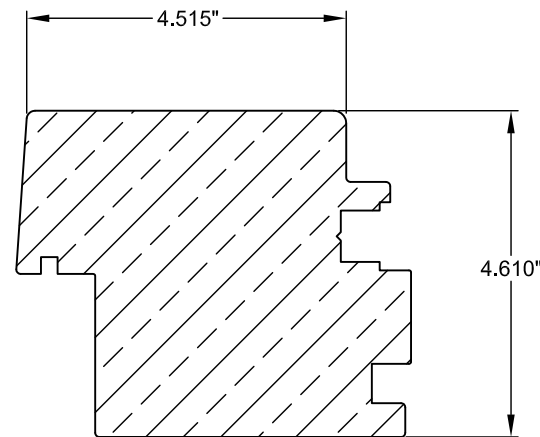
3 F51-0013 OPERABLE SASH
WOOD G.50



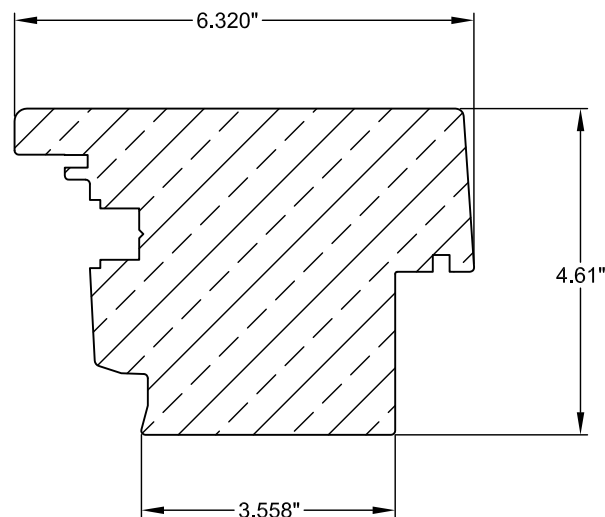
4 F41-0019 FRAME BOTTOM
WOOD G .50



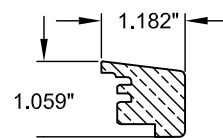
5 F51-0029 FRAME MUNTIN
WOOD G .50



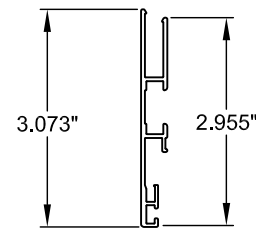
6 F51-0051 LEFT ASTRAGAL SASH
WOOD G.50



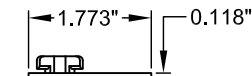
7 F51-0053 RIGHT ASTRAGAL SASH
WOOD G.50



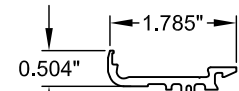
8 F51-0111 GLASS STOP
WOOD



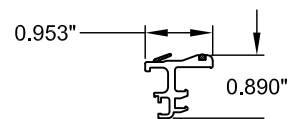
9 E51-0002 CLADDING PROFILE
ALUMINUM 6060 T5
0.055\" THICK



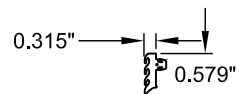
10 E41-0116 CLADDING FASTENER
PLASTIC GF 30



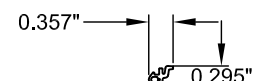
11 E51-0189 GLAZING ADAPTOR
PVC



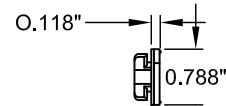
12 E51-0187 GLAZING RETAINER
PVC



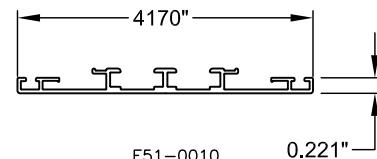
13 E41-1002 CENTER SEAL
EPDM 70 DUROMETER



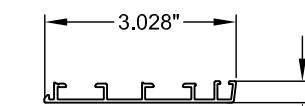
14 E41-1029 GLAZING GASKET
EPDM 80 DUROMETER



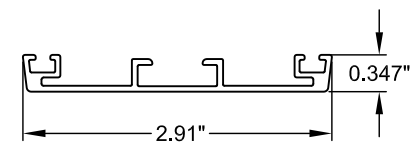
15 E41-0114 CLADDING FASTENER
PLASTIC GF 30



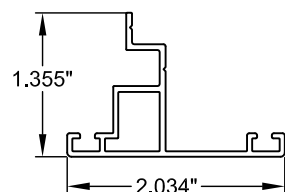
16 E51-0010 CLADDING PROFILE
ALUMINUM 6060 T5
0.055\" THICK



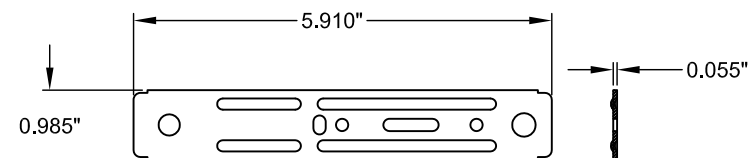
17 E55-0005 CLADDING PROFILE
ALUMINUM 6060 T5
0.055\" THICK



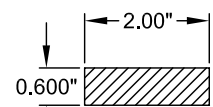
18 E55-0011 MUNTIN CLADDING PROFILE
ALUMINUM 6060 T5
0.055\" THICK



22 E51-0003 ASTRAGAL CLADDING PROFILE
ALUMINUM 6060 T5
0.055\" THICK



28 E41-2015 INSTALLATION CLIP
GALVANIZED STEEL
0.0551\" THICK



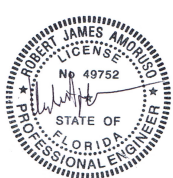
29 E51-2001 REINFORCEMENT
COLD ROLLED STEEL

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

TITLE: SERIES "DKZ" ALUM. CLAD WOOD TILT-N-TURN & TRANSOM
COMPONENTS

DRAWN BY:	JRM	DATE:	08/02/16
SCALE:	N.T.S.	DRAWING NO.:	NL_0051
REV:	A	SHEET:	8 OF 9

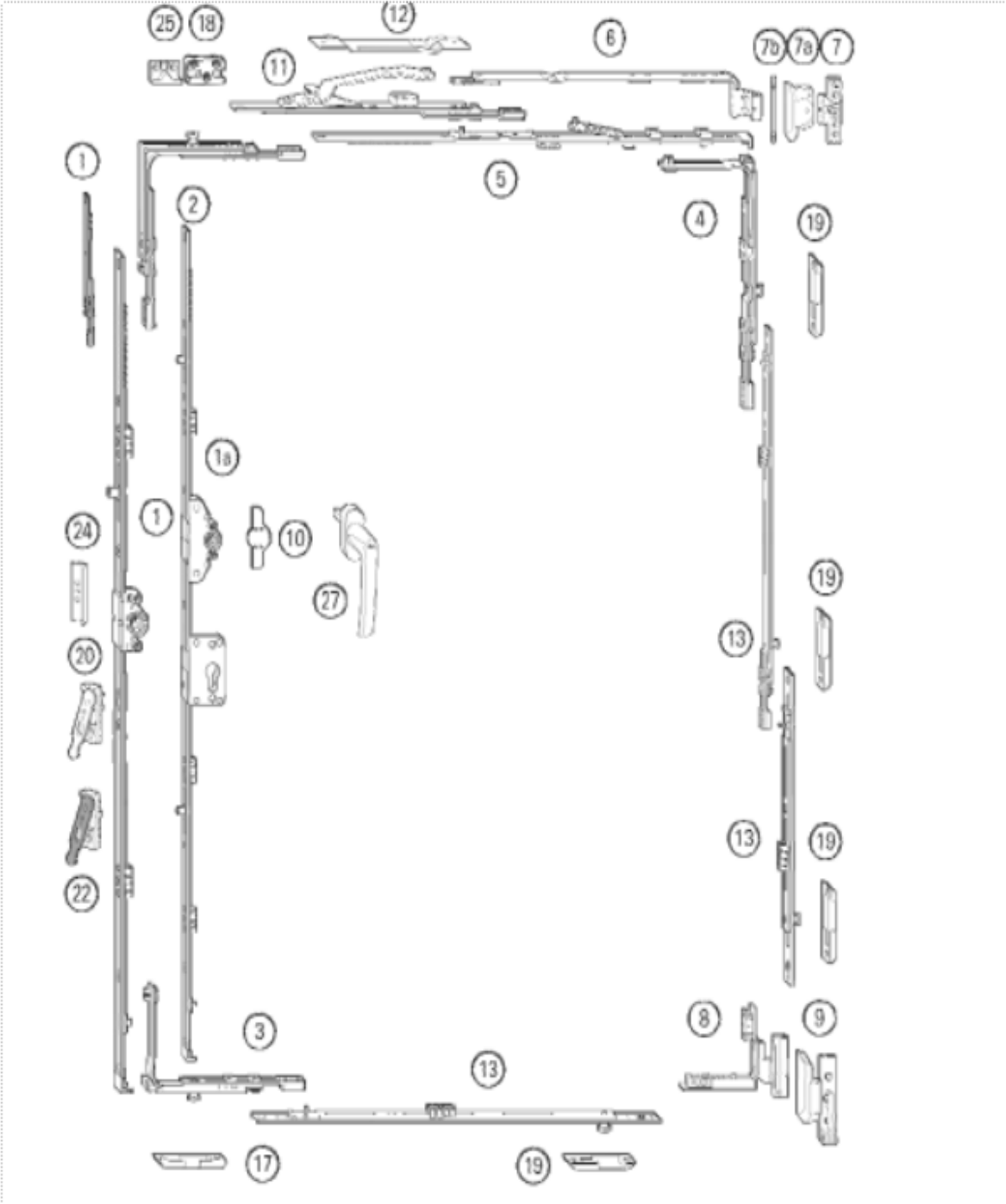
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QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	259853/308267	TILT/TURN LOCK GEAR	ROTO
2	260272	CORNER DRIVE HEAD FRONT	ROTO
3	260288	CORNER DRIVE BOTTOM FRONT	ROTO
4	260294	STAY CORNER DRIVE	ROTO
5	287528	SASH STAY GUIDE	ROTO
6	262377	STAY ARM	ROTO
7A	355618	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

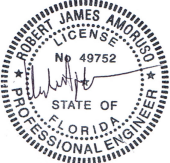


DK HARDWARE

			RJA	BY
			9/30/17	DATE
		UPDATE TO 6TH ED. (2017) FBC		DESCRIPTION
		A	REV	

UNILUX GMBH		NIKOLAUS-MEETH-STR. 1, DE 54528 SALMTAL, GERMANY	
TITLE: SERIES "DKZ" ALUM. CLAD WOOD TILT-N-TURN & TRANSOM		HARDWARE DETAILS	
DRAWN BY: JRM	DATE: 08/02/16	DRAWING NO: NL_0051	SHEET: 9 OF 9
SCALE: N.T.S.	REV: A		

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