

UNILUX GmbH

SERIES "JUMBO LINE" ALUMINUM

CLAD WOOD DOUBLE I.S. FRENCH DOOR

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 DISSIMALAR MATERIALS MUST BE SEPERATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSABILITY 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 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. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e01 AND MEETS SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE.

8.1. SEE GLAZING DETAIL ON SHEET 7 OF 9

8.2. 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

10. 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".
11. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER BELOW SEE ANCHOR TABLE ON SHEETS 3 OF 9 FOR ANCHOR QUANITIES, MIN. EMBEDMENT AND EDGE DISTANCES FOR APPROVED SUBSTRATES SHOWN.
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)

D. METAL STUD: STEEL 18 GA., FY= 33 KSI.

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

PERFORMANCE RATING (PSF)

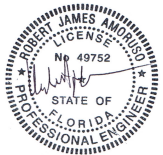
MAX. SIZE TESTED (IN)	MAX. DESIGN PRESSURE (PSF) WHERE WATER PENETRATION IS NOT REQUIRED	MAX. DESIGN PRESSURE (PSF) WHERE WATER PENETRATION IS REQUIRED	IMPACT RATING
84.25 x 120.08	± 55	+40 / -55	LARGE MISSILE

GLAZING REQUIREMENTS

SEE SHEET 7 FOR DETAILS

APPROXIMATELY 1-1/4" THICK OVERALL
0.250" TEMPERED GLASS / .470" AIRSPACE; SWISSPACER
WARM-EDGE SPACER BAR / 0.1875" HEAT STRENGTHENED GLASS /
0.105" SG BY KURARAY AMERICA/ 0.1875" HEAT STRENGTHENED GLASS

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



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UNILUX GmbH

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

TITLE: SERIES "JUMBO LINE" ALUM. CLAD WOOD I.S. ENTRY DOOR
GENERAL AND INSTALLATION NOTES

DRAWN BY: JRM
SCALE: N.T.S.
REV: A

DATE: 07/08/15
DRAWING NO: NL_0047
SHEET: 1 OF 9

UPDATE MANUFACTURER ADDRESS
A
11/3/17
RJA
DATE
REV
DESCRIPTION



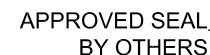
EXTERIOR



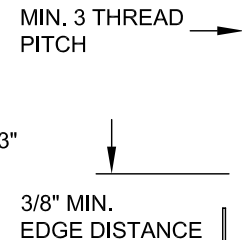
3/8" MIN. EDGE
DISTANCE



INTERIOR



APPROVED SEAL
BY OTHERS

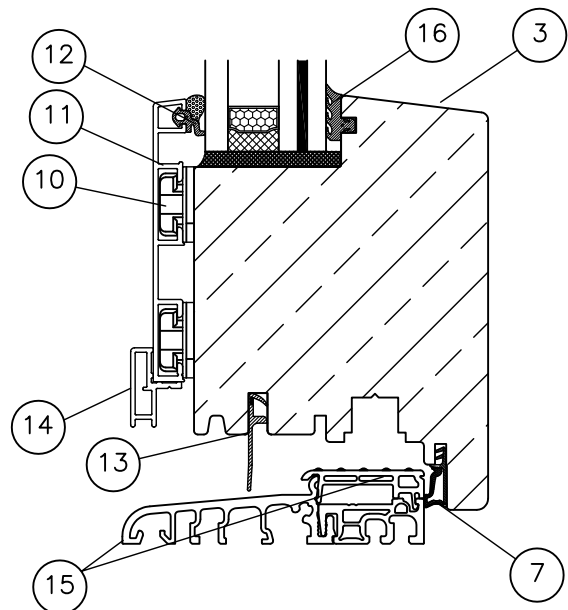
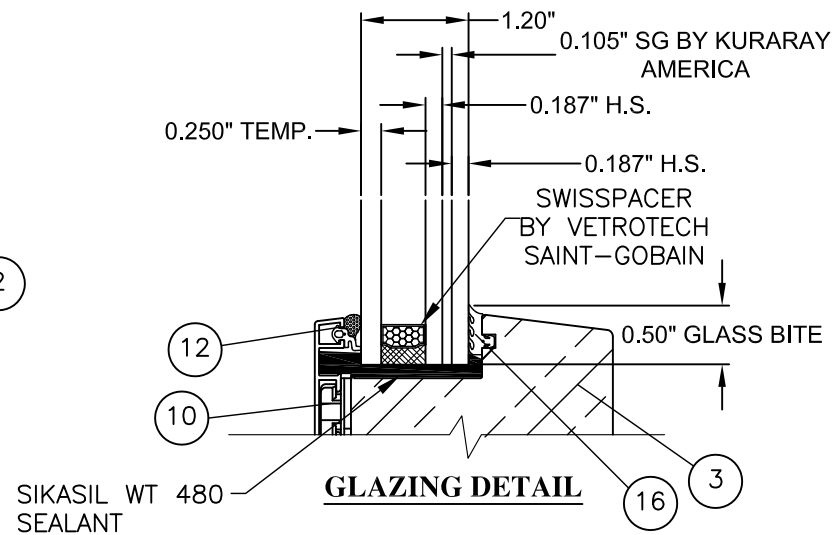
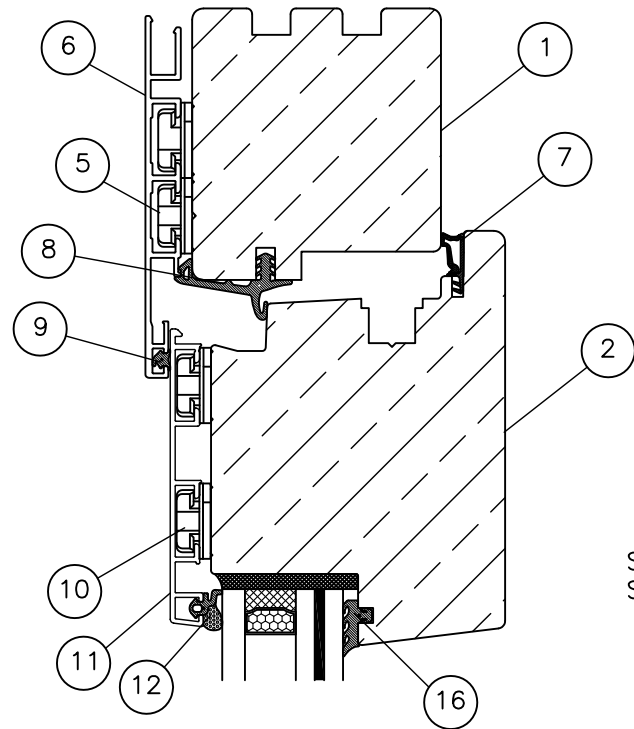


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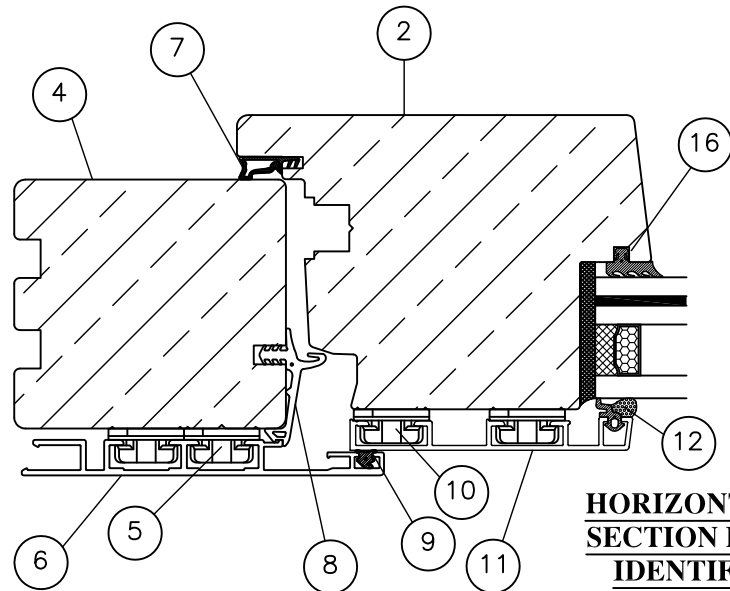


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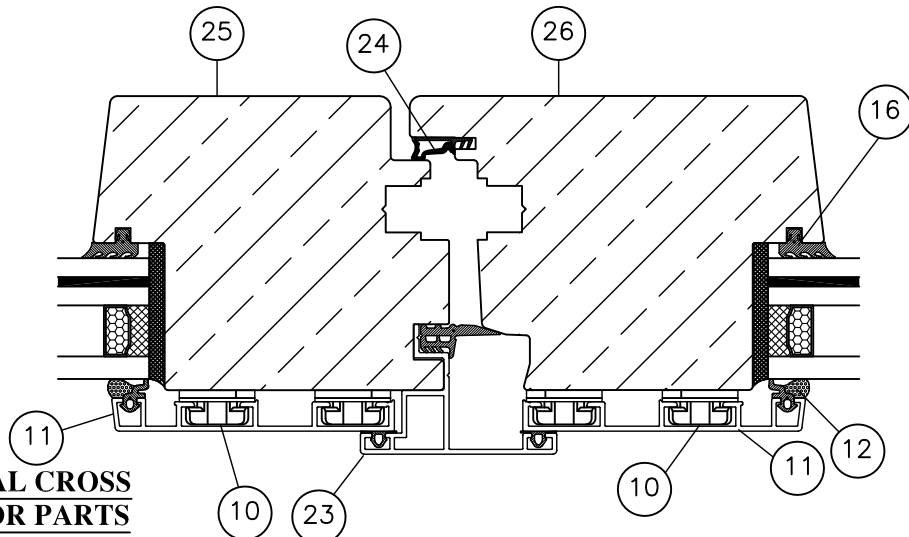
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**VERTICAL CROSS
SECTION FOR PARTS
IDENTIFICATION**



**HORIZONTAL CROSS
SECTION FOR PARTS
IDENTIFICATION**



QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	F41-007-2	FRAME HEAD, WOOD G .50	UNILUX
2	F51-0013-39	SASH, TOP & SIDE WOOD G .50	UNILUX
3	F51-0097-39	SASH, BOTTOM WOOD G. .50	UNILUX
4	F41-0006-2	FRAME, SIDE JAMB WOOD G. .50	UNILUX
5	E41-0116	CLADDING FASTENER, PLASTIC GF 30	UNILUX
6	E51-0075	CLADDING, 6060-T5 ALUMINUM	UNILUX
7	E51-1006	SASH GASKET, EPDM 60 DUR	UNILUX
8	E51-1012	FRAME GASKET, RUBBER EPDM 70 DUR	UNILUX
9	E41-1003	SASH GASKET EPDM DUR 80	UNILUX
10	E41-0114	CLADDING FASTENER, PLASTIC GF 30	UNILUX
11	E55-0005	CLADDING, 6060-T5 ALUMINUM	UNILUX
12	E41-1029	GLAZING GASKET EPDM DUR 80	UNILUX
13	E51-1045	BOTTOM SASH SEAL	UNILUX
14	E51-0081-1	ALUMINUM PROFILE-60663-T5	UNILUX
15	E41-0050-1	FRAME SILL ASSEMBLY ALUM. 6063-T5/PVC CAP	UNILUX
16	E41-1002	GLAZING GASKET EPDM DUR 80	UNILUX
17	PURCHASE	0.0551" THICK GALVANIZED INSTALLATION CLIP	SIMPSON
18	PURCHASE	GLAZING CLEANER, SIKA 205	SIKA
19	PURCHASE	GLAZING SEALANT, SIKASIL WT-480	SIKA
20	PURCHASE	1/4" SELF TAPPING INSTALLATION	UNILUX
21	PURCHASE	#14 P. PHD WOOD INSTALLATION SCREW	UNILUX
22	PURCHASE	1/4" I.T.W. A.T.T. MASONRY ANCHOR	UNILUX
23	E51-0003	CLADDING, 6060-T5 ALUMINUM	SIKA
24	E41-1004	ASTRAGAL GASKET EPDM DUR 80	UNILUX
25	F51-0051-39	ASTRAGAL PASSIVE WOOD G .50	UNILUX
26	F51-0053-39	ASTRAGAL ACTIVE WOOD G .50	UNILUX

UNILUX GmbH

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

DATE: 07/08/15

DRAWING NO: NL_0047

SHEET: 7 OF 9

DATE: 11/3/17

UPDATE MANUFACTURER ADDRESS

REV: A

BY: DATE

DESCRIPTION

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FL. P.E. NO. 49752

ROBERT J. AMORUSO

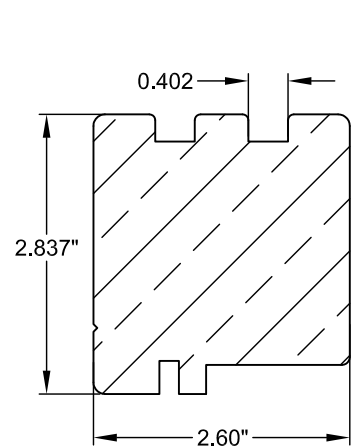
FLORIDA

PROFESSIONAL ENGINEER

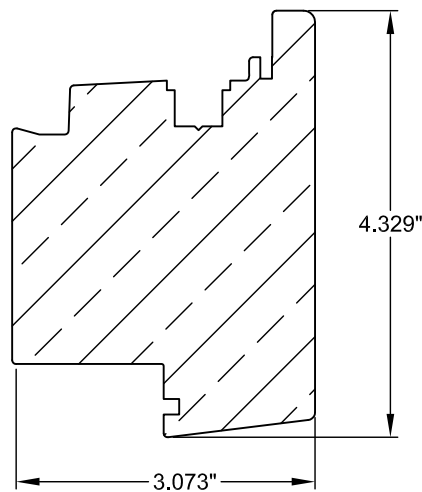
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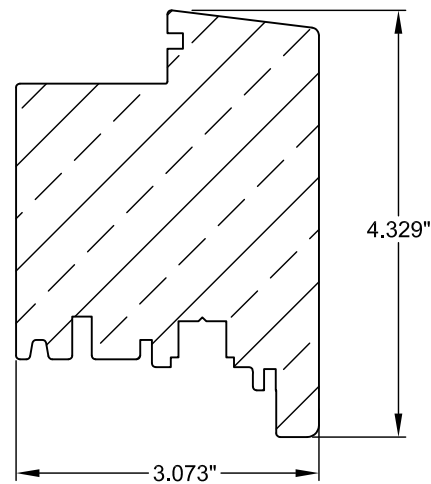
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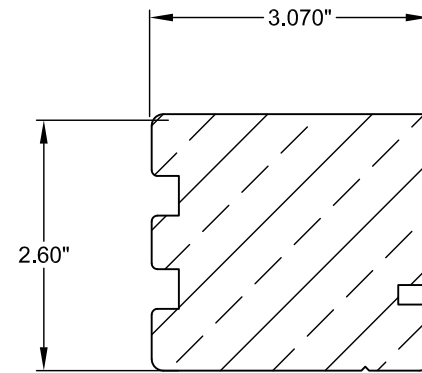
1 WOOD PROFILE, HEAD
F41-0007-2 WOOD



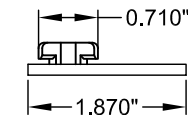
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F51-0013-39 WOOD



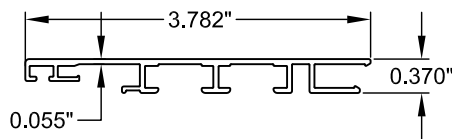
3 WOOD PROFILE, BOTTOM
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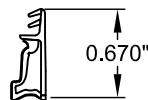
4 WOOD PROFILE, SIDE
F41-0006-2 WOOD



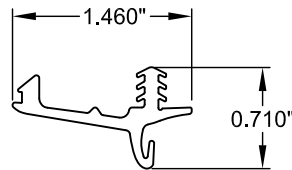
5 CLADDING FASTENER
E41-0116



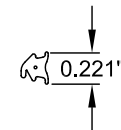
6 CLADDING, E51-0075
ALUMINUM 6063-T5



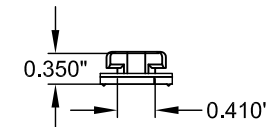
7 SASH GASKET EPDM
60 DUR. E51-1006



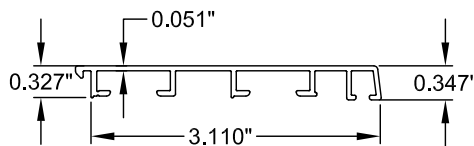
8 FRAME GASKET EPDM
70 DUR. E51-1012



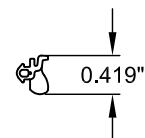
9 FRAME GASKET E41-1003
EPDM DUROMETER 80



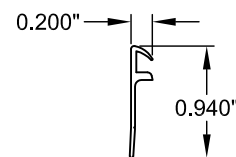
10 CLADDING FASTENER
E41-0114



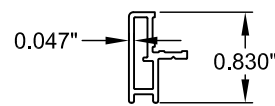
11 CLADDING, E55-0005
ALUMINUM 6063-T5



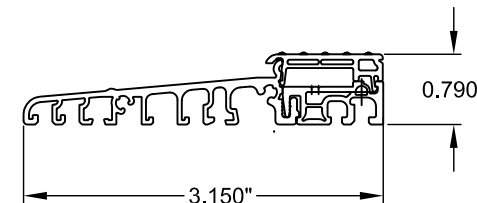
12 GLAZING GASKET E41-1029
EPDM DUROMETER 80



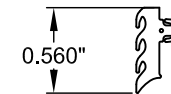
13 BOTTOM SASH SEAL
E51-1045



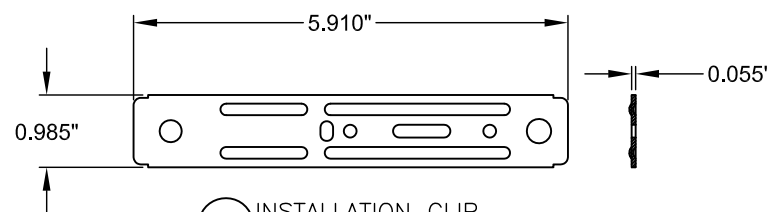
14 PROFILE DTS
ALUMINUM 6063-T5
E51-0081-1



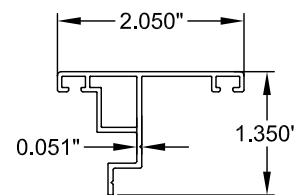
15 FRAME SILL ASSEMBLY
E41-0050-1 ALUMINUM



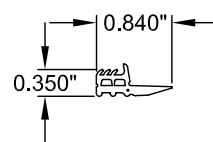
16 GLAZING GASKET EPDM
60 DUR. E41-1002



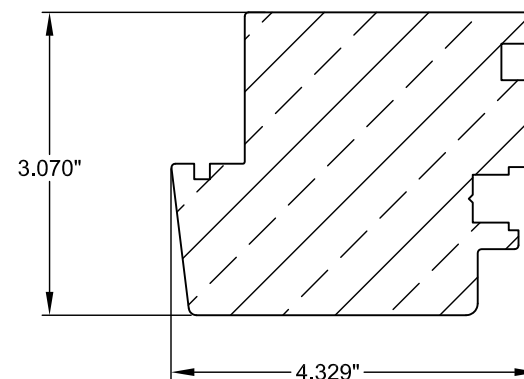
17 INSTALLATION CLIP
GALVANIZED STEEL
0.0551 THICK



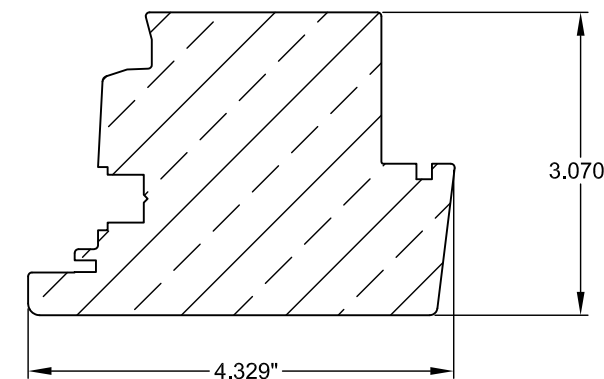
23 CLADDING, E51-0003
ALUMINUM 6063-T5



24 GLAZING GASKET EPDM
80 DUR. E41-1004



25 WOOD PROFILE, P. ASTRAG.
F51-0051-39 WOOD



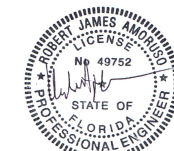
26 WOOD PROFILE, ASTRAG.
F51-0053-39 WOOD

UNILUX GmbH
Nikolaus-Meeth-Str. 1, DE 54528 Salmthal, Germany

TITLE: SERIES "JUMBO LINE" ALUM. CLAD WOOD I.S. ENTRY DOOR
COMPONENTS

DRAWN BY: JRM
SCALE: N.T.S.
REV: A
DATE: 07/08/15
DRAWING NO: NL_0047
SHEET: 8 OF 9

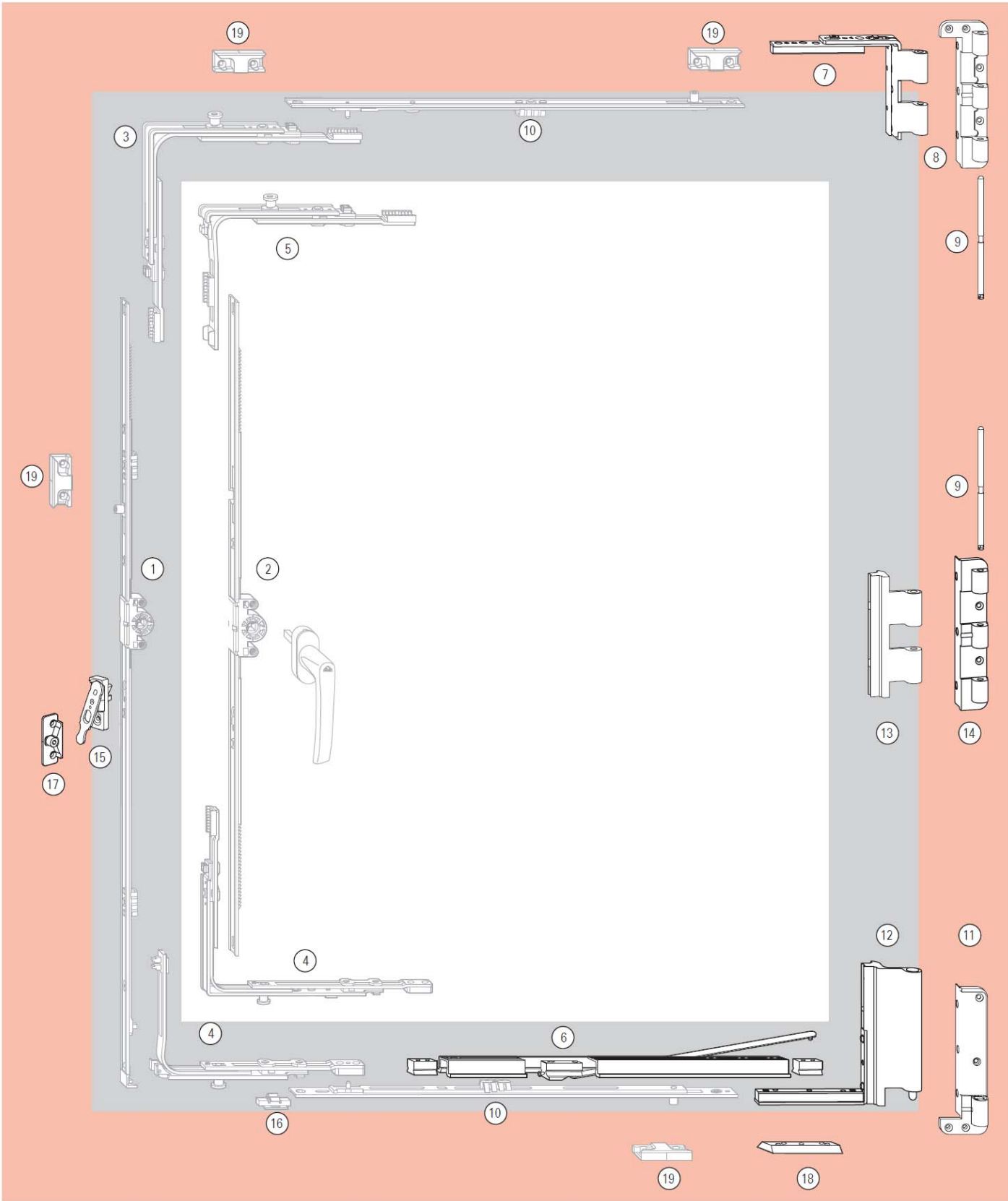
ROBERT J. AMORUSO
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Date: 2017.11.15
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QTY.	PART NO.	DESCRIPTION	MANUFACTURER
1	-----	FIXED HANDLE-HEIGHT, 15MM BACKSET	ROTO
2	-----	VARIABLE HANDLE HEIGHT, 15 MM BACKSET	ROTO
3	-----	CORNER DRIVE	ROTO
4	-----	T&T CORNER DRIVE	ROTO
5	-----	SPECIAL CORNER DRIVE	ROTO
6	260 565	TURN RESTRICTOR 335	ROTO
7A	562001/562002	REBATE HINGE SYSTEM-600-1600-9	ROTO
7B	561999/562000	REBATE HINGE SYSTEM-600-1600-13	ROTO
8	562065/561998	STAY BEARING NY POWER HINGE	ROTO
9	562065	STAY BEARING NY POWER HINGE	ROTO
10	-----	HORIZONTAL MULTI-PART CNTR. LOCK	ROTO
11	561982/561983	PIVOT REST NT POWER HINGE	UNILUX
12	561988/561989	REBATE CORNER HINGE SYSTEM-9	UNILUX
12A	561986/561987	REBATE CORNER HINGE SYSTEM-13	UNILUX
13	561996	CENTRAL HINGE NT POWER HINGE-9	UNILUX
13A	561995	CENTRAL HINGE NT POWER HINGE-13	UNILUX
14	561994	CENTER BEARING, NT POWER HINGE	UNILUX
15	260538	LIFTING MISHANDLING DEVICE	UNILUX
16	-----	TRAVEL RESTRICTOR	UNILUX
17	-----	LIFTING MISHANDLING DEVICE	UNILUX
18	-----	TURN RESTRICTOR	UNILUX
19	-----	STRIKER	UNILUX

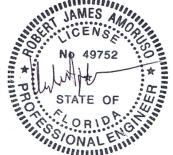


JUMBO LINE HARDWARE

			RJA	BY
			11/3/17	DATE
		UPDATE MANUFACTURER ADDRESS		DESCRIPTION
		A	REV	

UNILUX GmbH Nikolaus-Meeth-Str. 1, DE 54528 Salmtal, Germany		DATE: 07/08/15	
TITLE: SERIES "JUMBO LINE" ALUM. CLAD WOOD I.S. ENTRY DOOR HARDWARE AND BILL OF MATERIALS		DRAWING NO: NL_0047	
DRAWN BY: JRM		SCALE: N.T.S.	
		REV: A	
		SHEET: 9 OF 9	

ROBERT J. AMORUSO
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