

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	03/06/19	R.L.

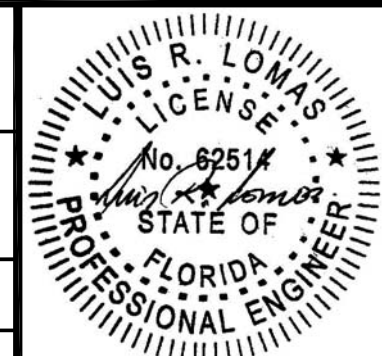
NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1 1/2" WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
5. WHERE WOOD BUCK THICKNESS IS 1 1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
6. 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.
7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: 6060-T64 ALUMINUM.
12. UNITS MUST BE GLAZED PER ASTM E1300-04/09, WITH SAFETY GLAZING.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE UNIVERSAL ANCHOR SF COUNTERSUNK D7.5MM WITH SUFFICIENT LENGTH TO ACHIEVE A 2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING INTO MASONRY/CONCRETE USE UNIVERSAL ANCHOR SF COUNTERSUNK D7.5MM WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING INTO METAL STRUCTURE USE COUNTERSUNK SCREW M6 WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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 BELOW:
 - A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
19. APPROVED CONFIGURATIONS: OX, XO.

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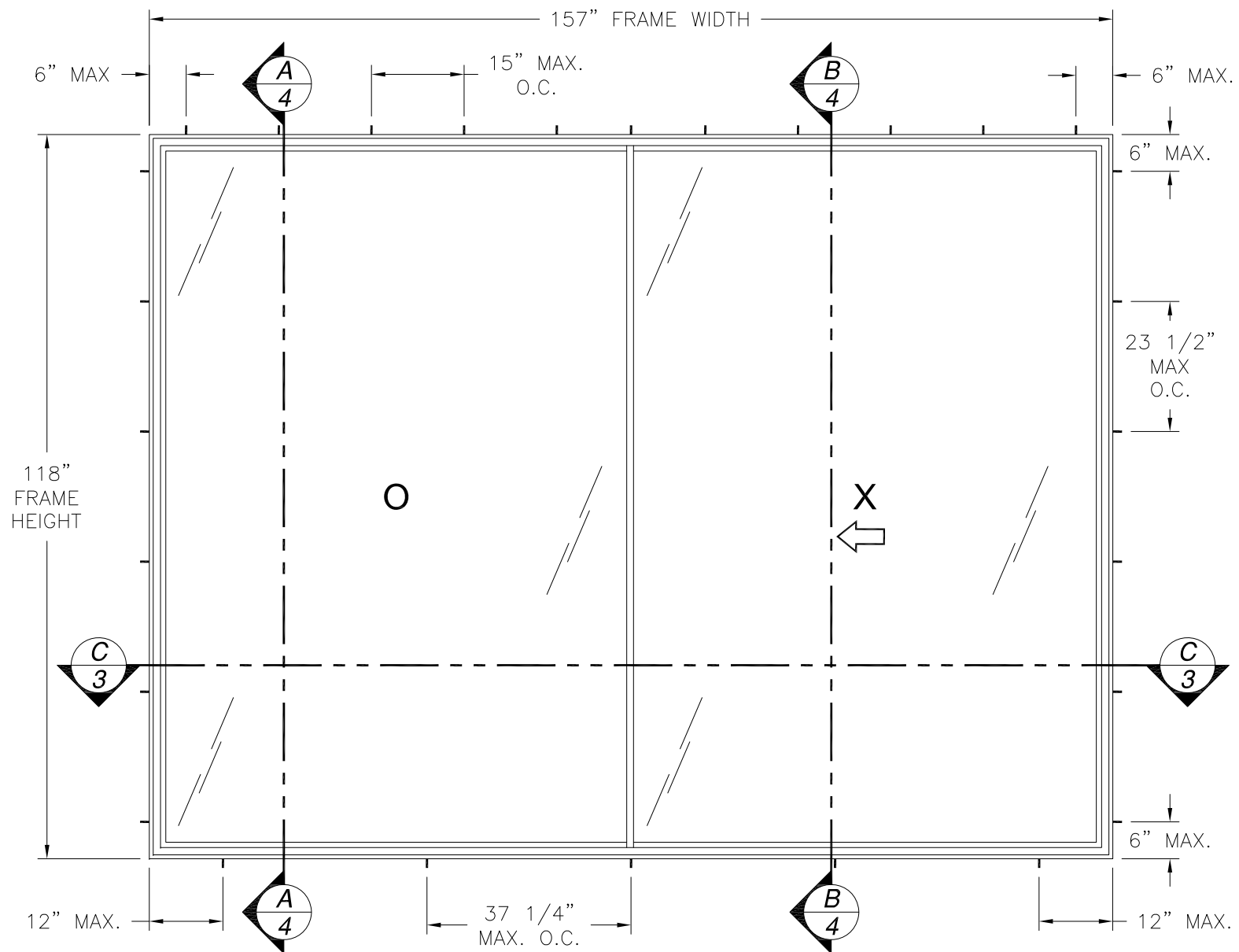
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SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3 - 4	CROSS SECTIONS AND B.O.M.
5 - 8	INSTALLATION DETAILS
9 - 10	COMPONENTS

SKY-FRAME INC. LANGFELDSTRASSE 111 FRAUENFELD, SWITZERLAND CH-8500		
SERIES SF2-R30 ALUMINUM SGD NON-IMPACT NOTES		
DRAWN: N.G.	DWG NO. 08-02789	REV A
SCALE NTS	DATE 08/24/15	SHEET 1 OF 10
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



Luis R. Lomas P.E.
FL No.: 62514

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SERIES SF2-R30 SLIDING WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
+30.0/-50.0PSF	NONE

79" X 113 1/2" PANEL SHOWN. OTHER SIZES APPROVED AS LONG AS
PANEL AREA DOES NOT EXCEED 62.26 FT²

NOTES:

1. SASH SIZE: 79" X 113 1/2"
2. D.L.O.: 76 5/8" X 111 3/16"
3. (6) WEEP SLOT 1 1/4" X 1/8" AT 9" FROM RIGHT JAMB 27 1/2" ON CENTER.
4. (10) WEEP HOLE 5/16" AT 4" FROM LEFT JAMB 8" ON CENTER

HARDWARE SCHEDULE

A.	(1) MULTIPOINT LOCK BAR WITH TWO POINTS AT ACTIVE STILE
B.	(2) ADJACENT KEEPERS AT JAMBS
C.	(3) ROLLER ASSEMBLY AT SILL
D.	STEEL REINFORCEMENT (SKI1211.1) AT MEETING STILE FRAME

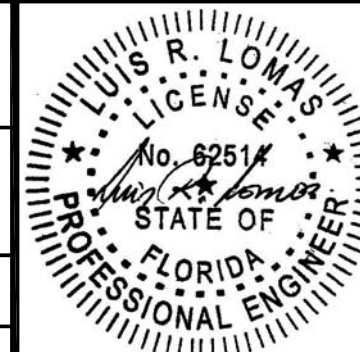
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SKY-FRAME INC.
LANGFELDSTRASSE 111
FRAUENFELD, SWITZERLAND CH-8500

SERIES SF2-R30
ALUMINUM SGD NON-IMPACT
ELEVATION

DRAWN: N.G.	DWG NO. 08-02789	REV A
SCALE NTS	DATE 08/24/15	SHEET 2 OF 10

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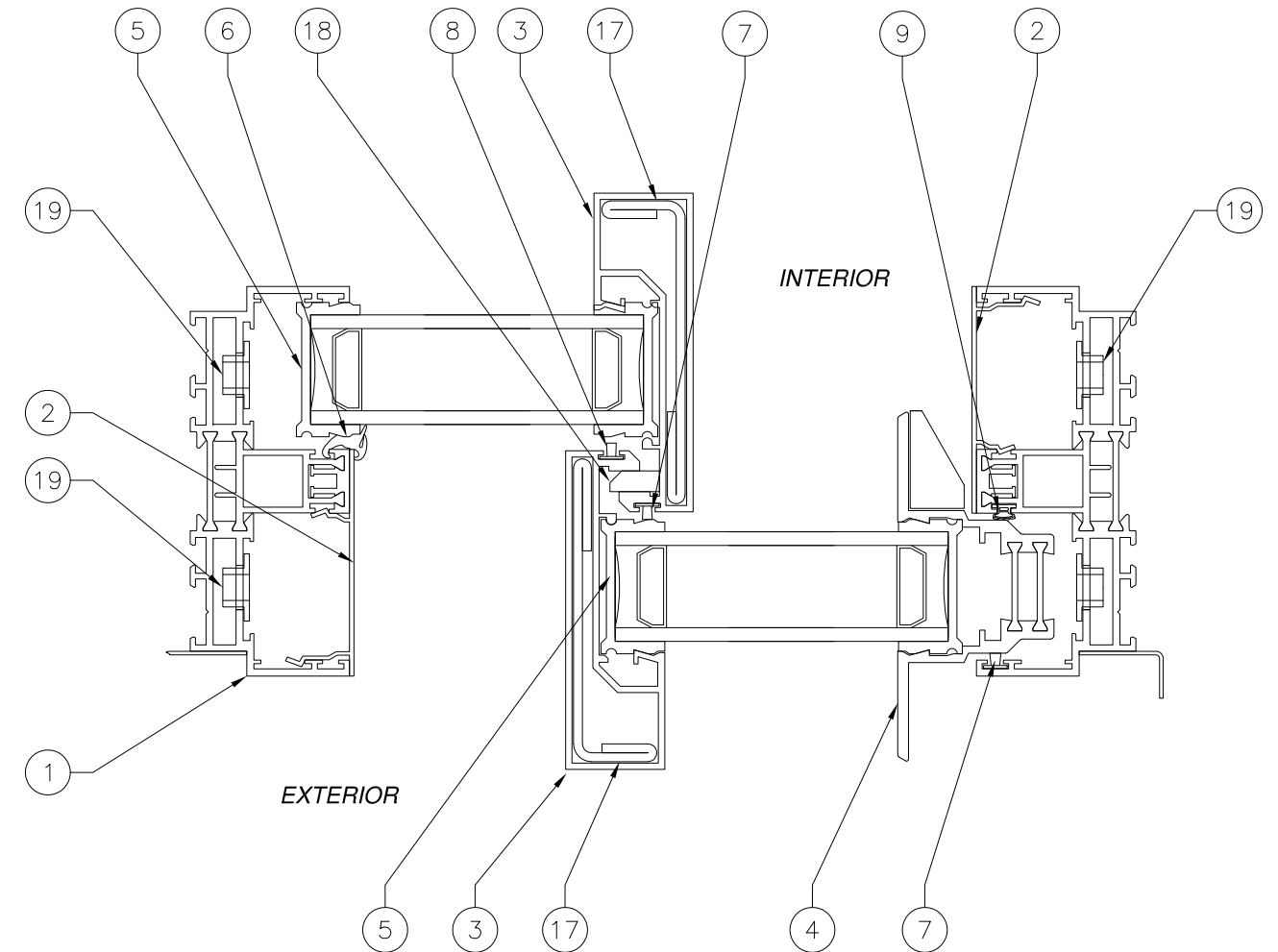
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BILL OF MATERIALS

ITEM NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	SK1001	WALL CONNECTION	SKY-FRAME, INC.	ALUMINUM 6060-T64
2	SK1202	COPING	SKY-FRAME, INC.	ALUMINUM 6060-T66
3	SK1211	MULLION	SKY-FRAME, INC.	ALUMINUM 6060-T66
4	SK1101	LOCKING PROFILE	SKY-FRAME, INC.	ALUMINUM 6060-T64
5	SK1304	GRP VERTICAL	SKY-FRAME, INC.	FIBERGLASS
6	SK1420	RUBBER GASKET	SKY-FRAME, INC.	RUBBER
7	SK1417	BRUSH GASKET	SKY-FRAME, INC.	
8	SK1412	BRUSH GASKET	SKY-FRAME, INC.	
9	SK1416	RUBBER GASKET	SKY-FRAME, INC.	RUBBER
10	SK1001	LINTEL	SKY-FRAME, INC.	ALUMINUM 6060-T64
11	SK1010	BOTTOM TRACK	SKY-FRAME, INC.	ALUMINUM 6060-T64
12	SK1484	RUNNING GEARS	SKY-FRAME, INC.	
13	SK1434	GLASS SUPPORT	SKY-FRAME, INC.	
14		INSULATION (EPS)	SKY-FRAME, INC.	
15		10MM BOLT		
16		10MM NUT		
17	SK1211.1	STEEL INLAY	SKY-FRAME, INC.	STEEL
18	SK1547	ABUTTING WEDGE	SKY-FRAME, INC.	POM
19	SK1508	SCREW LOCKING	SKY-FRAME, INC.	
20	SK1514	CORNER CONNECTORS	SKY-FRAME, INC.	ALUMINUM 6063-T6
21	SK1710	EDGE CONNECTING SCREWS/ COUNTERSUNK M8X8	SKY-FRAME, INC.	
22		NOT USED		
23	SK8004	HEXAGON SCREW M10X70	SKY-FRAME, INC.	
24	SK1571.2	CLAMPING PLATE	SKY-FRAME, INC.	STEEL
25	SK1571.1	BASE PLATE	SKY-FRAME, INC.	STEEL
26	SK1305	SF2 GPK HORIZONTAL	SKY-FRAME, INC.	FIBERGLASS
27	SK1203.3	TRACK	SKY-FRAME, INC.	ALUMINUM 6060-T64
28	SK1380	BASE PLATE	SKY-FRAME, INC.	ALUMINUM 6060-T64

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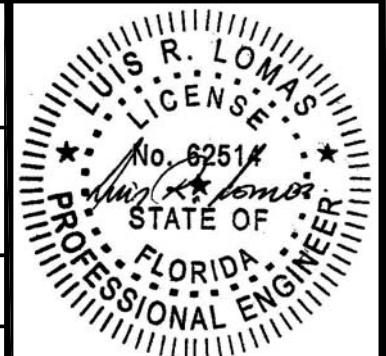
**FOR ILLUSTRATION PURPOSES ONLY
FOR INSTALLATION DETAILS REFER TO SHEETS 5 - 8**



C
3 HORIZONTAL SECTION

SIGNED: 03/14/2019

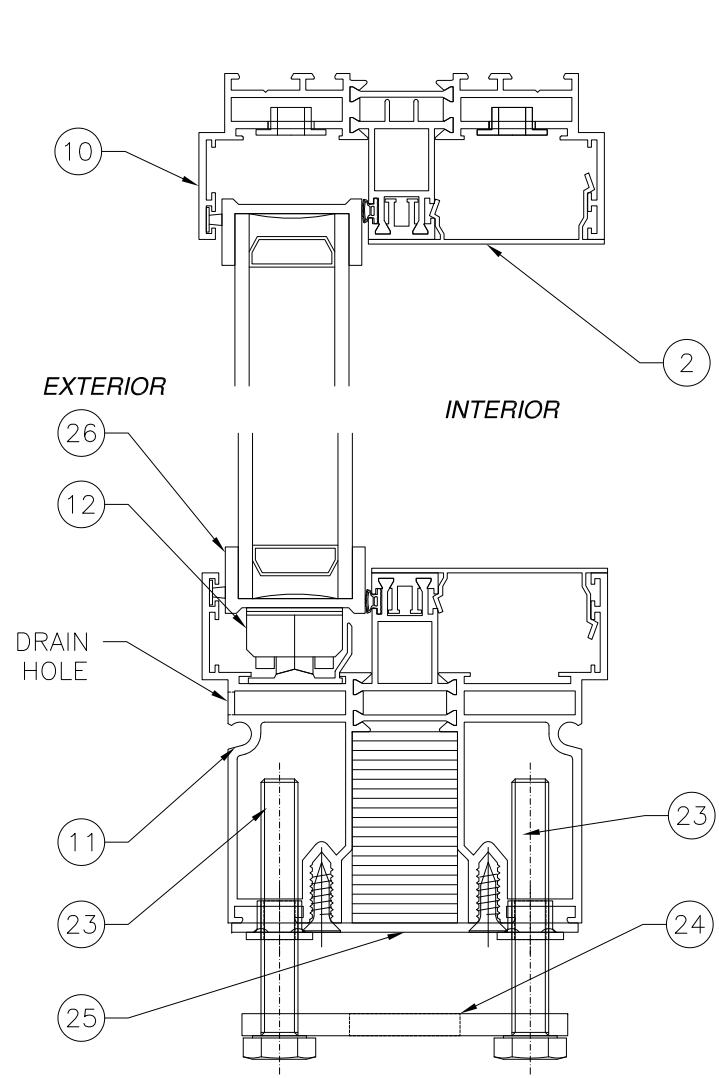
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SERIES SF2-R30 ALUMINUM SGD NON-IMPACT CROSS SECTIONS AND B.O.M.		
DRAWN: N.G.	DWG NO. 08-02789	REV A
SCALE NTS	DATE 08/24/15	SHEET 3 OF 10
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



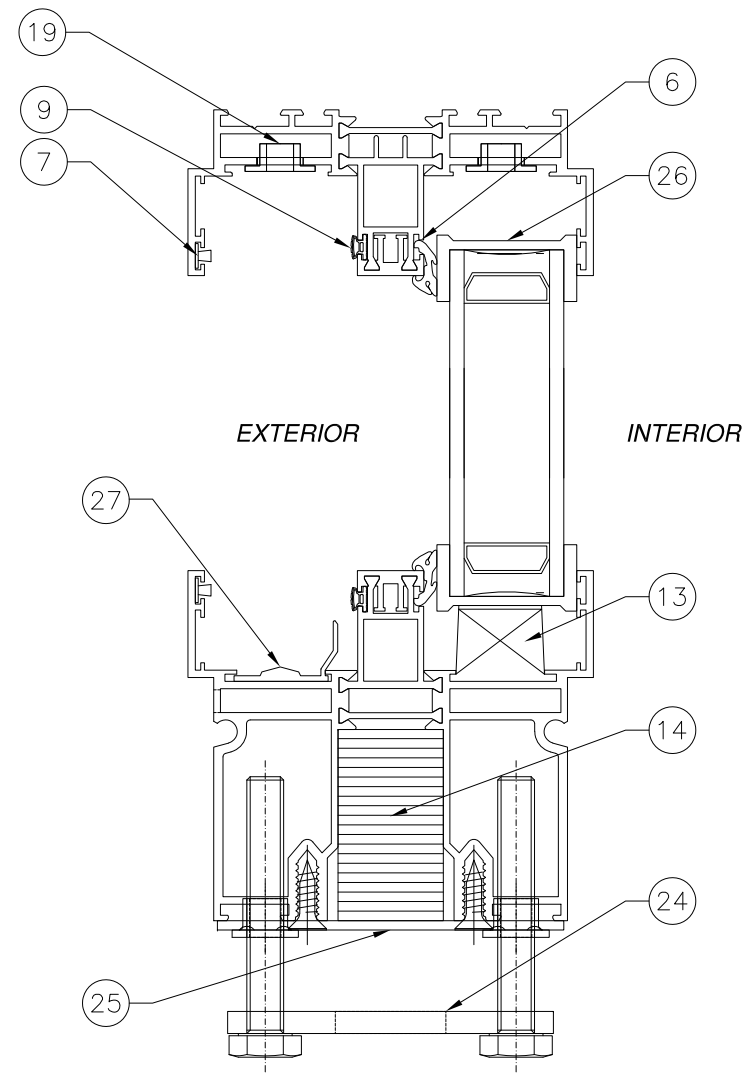
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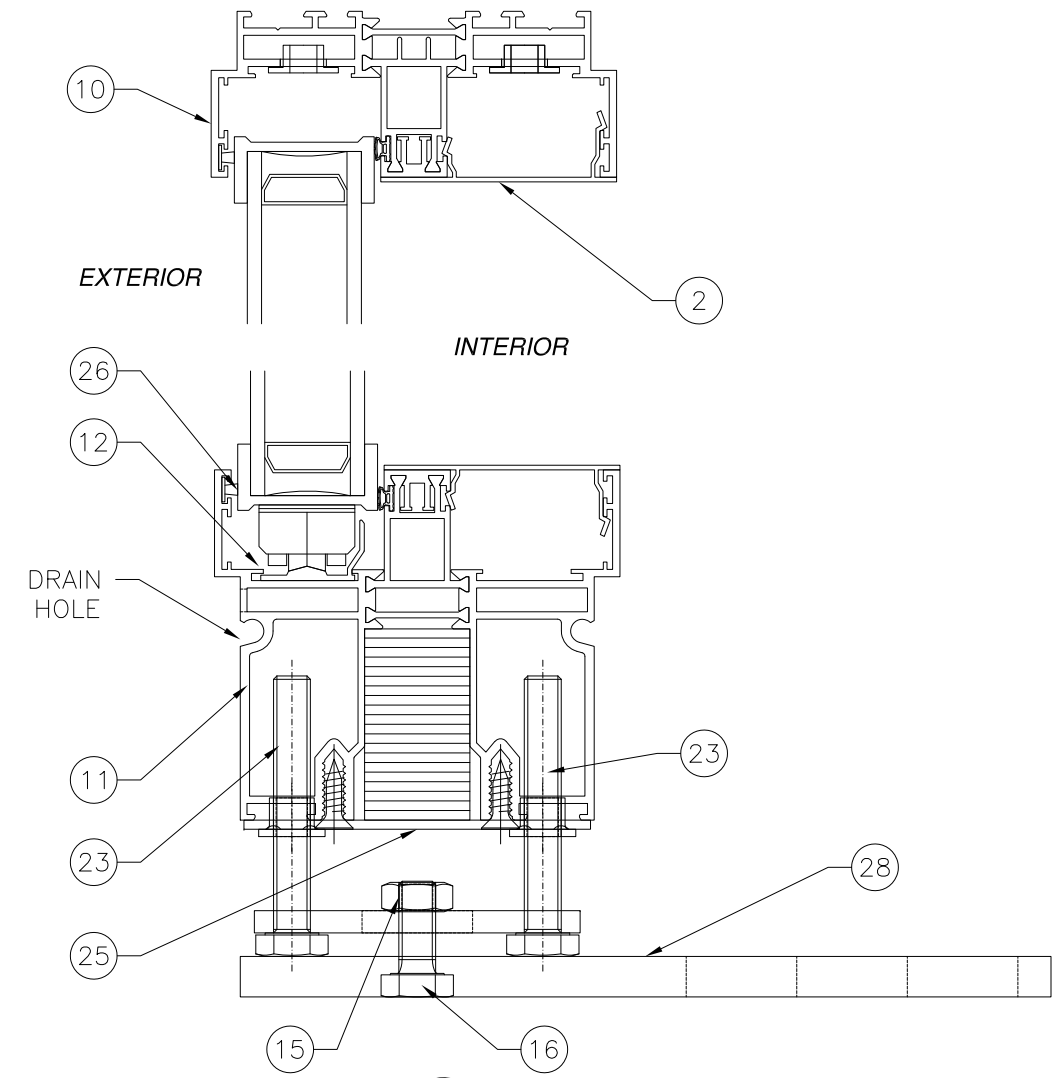
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A
4 VERTICAL SECTION



B
4 VERTICAL SECTION



A
4 VERTICAL SECTION
WITH BASE PLATE OPTION

SIGNED: 03/14/2019

SKY-FRAME INC.
 LANGFELDSTRASSE 111
 FRAUENFELD, SWITZERLAND CH-8500

SERIES SF2-R30
 ALUMINUM SGD NON-IMPACT
 CROSS SECTIONS

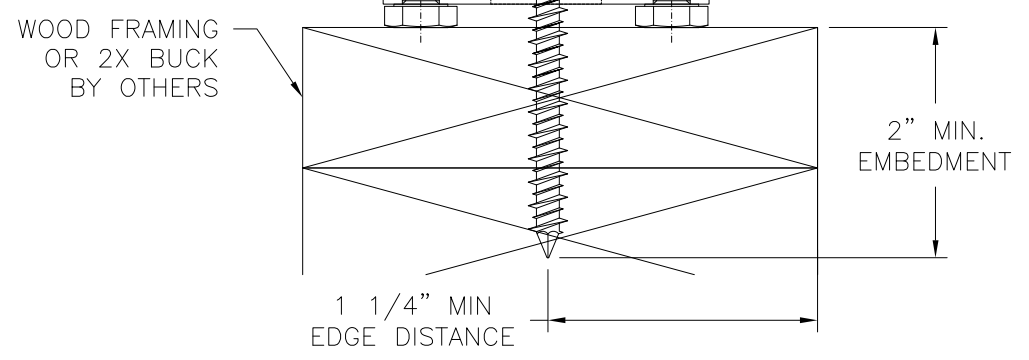
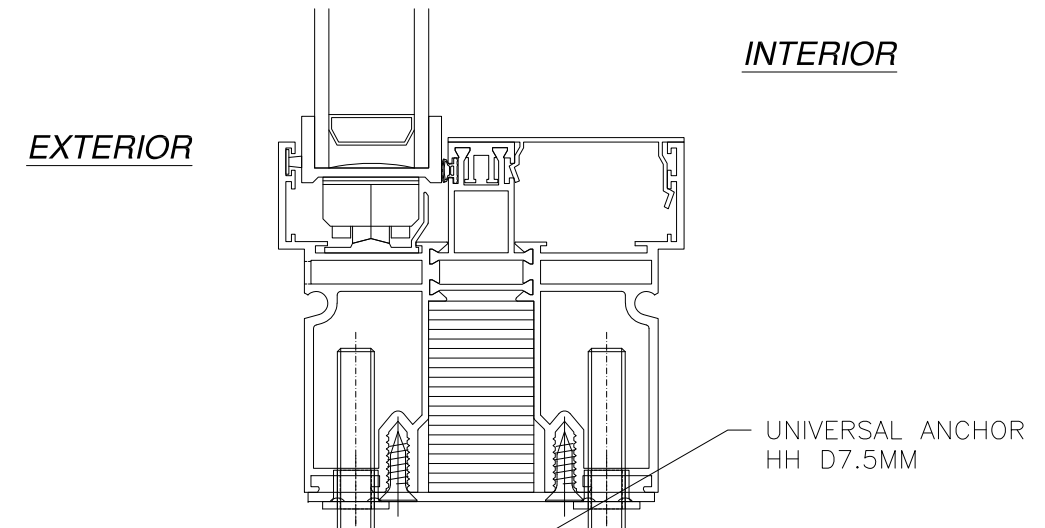
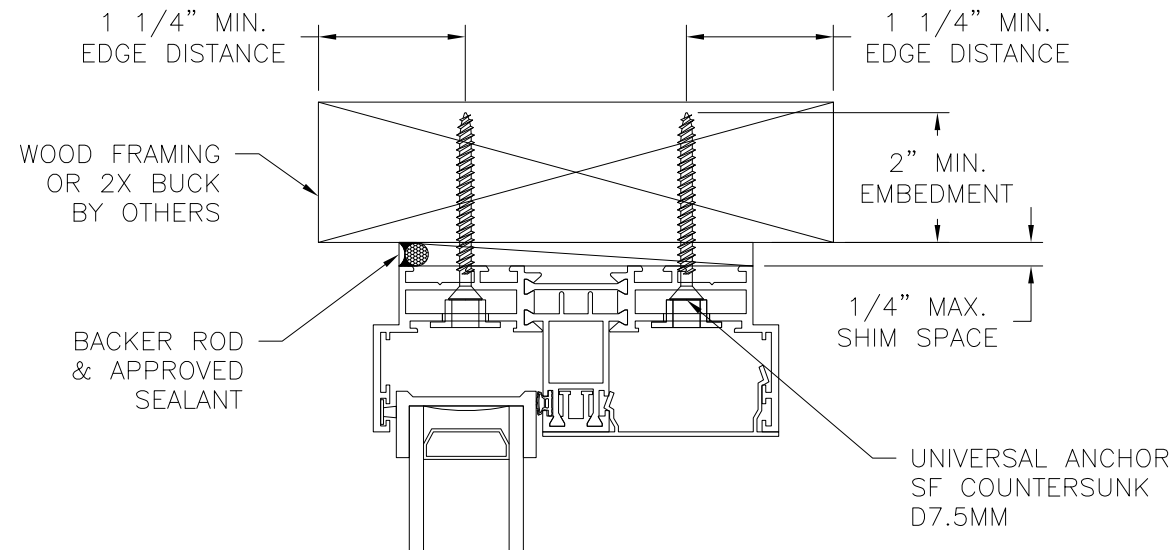
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 434-688-0609 rllomas@lrlomaspe.com

Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

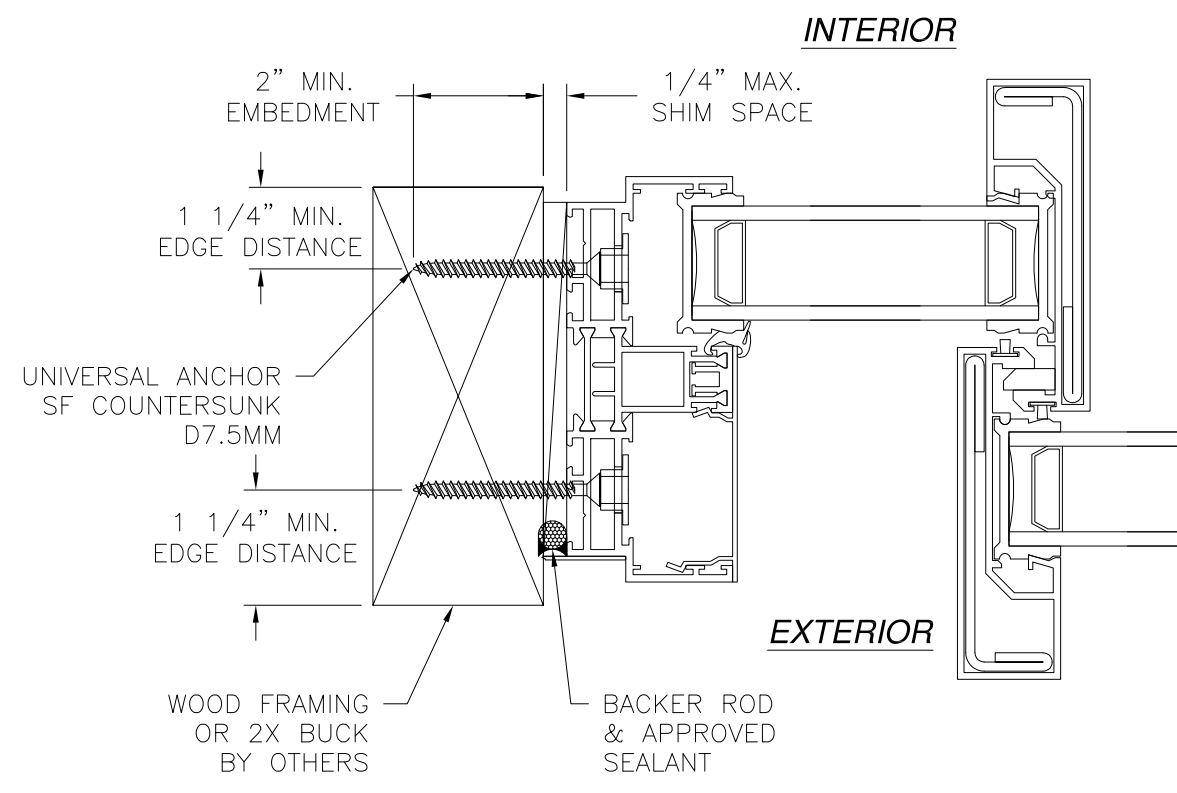
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

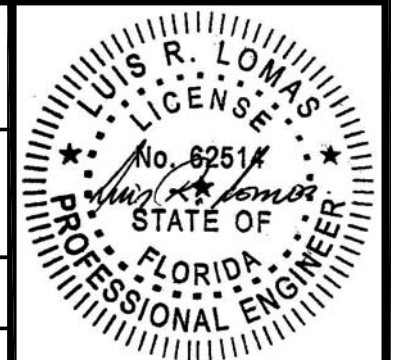
SKY-FRAME INC.
 LANGFELDSTRASSE 111
 FRAUENFELD, SWITZERLAND CH-8500

SERIES SF2-R30
 ALUMINUM SGD NON-IMPACT
 INSTALLATION DETAILS

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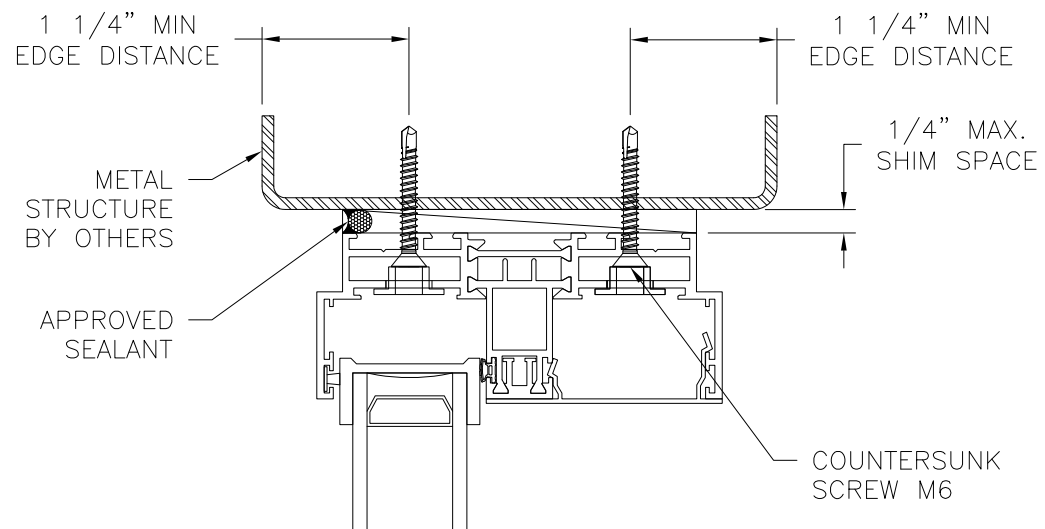
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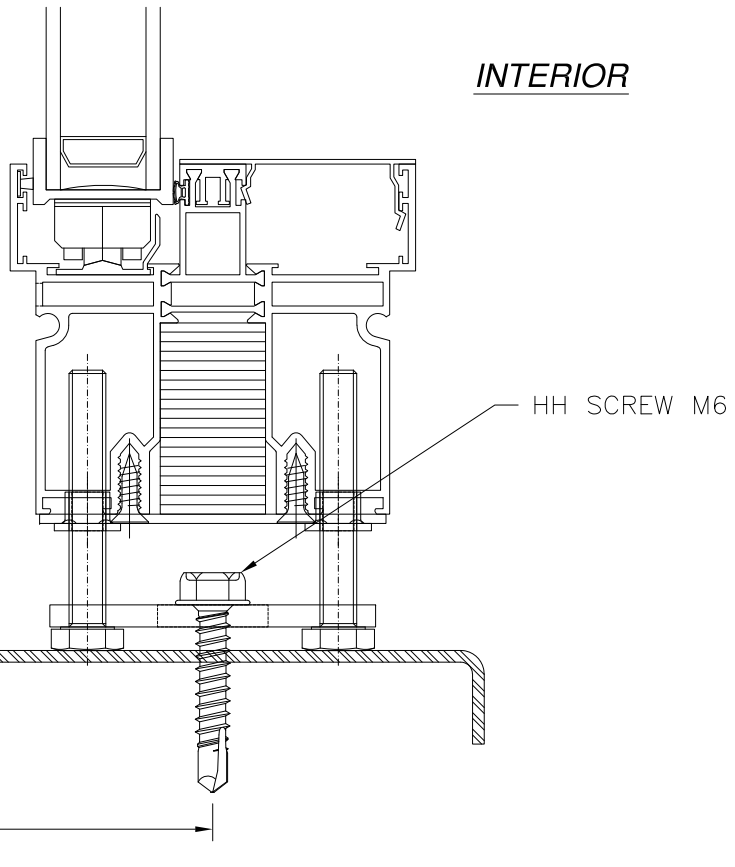
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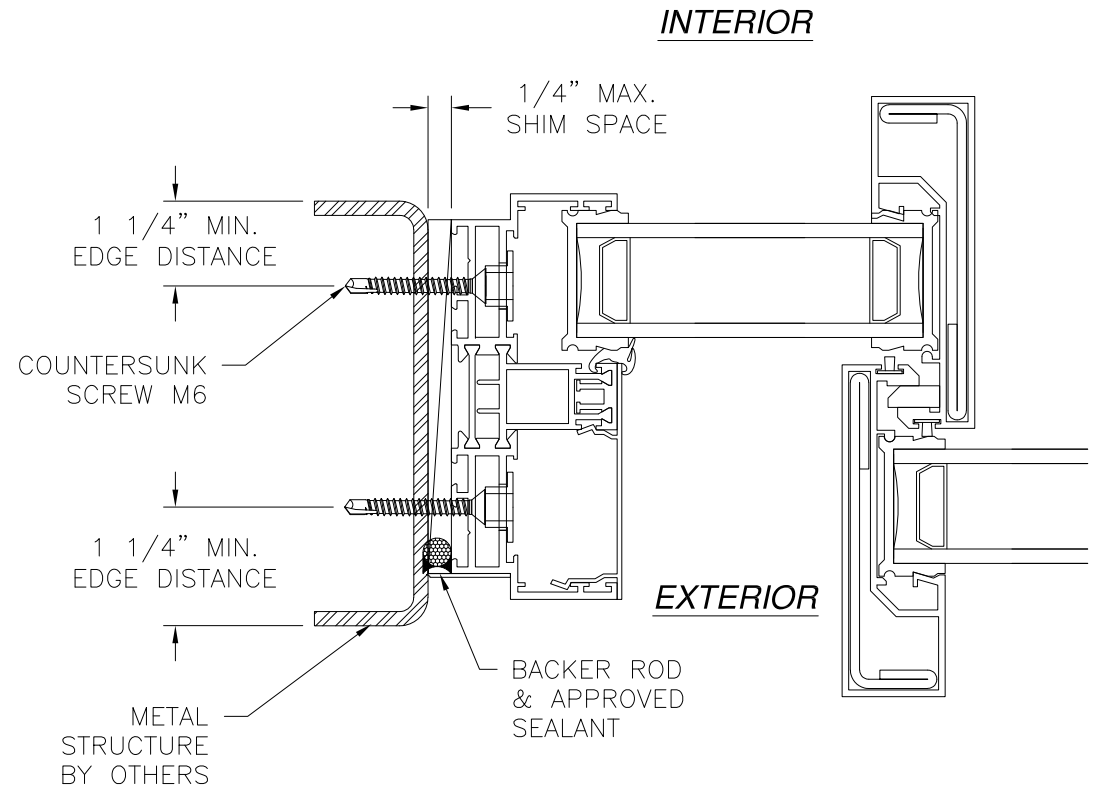


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



INTERIOR

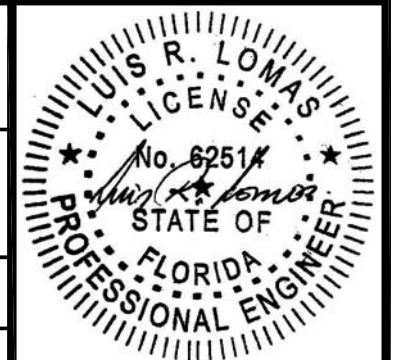
EXTERIOR

JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- NOTES:**
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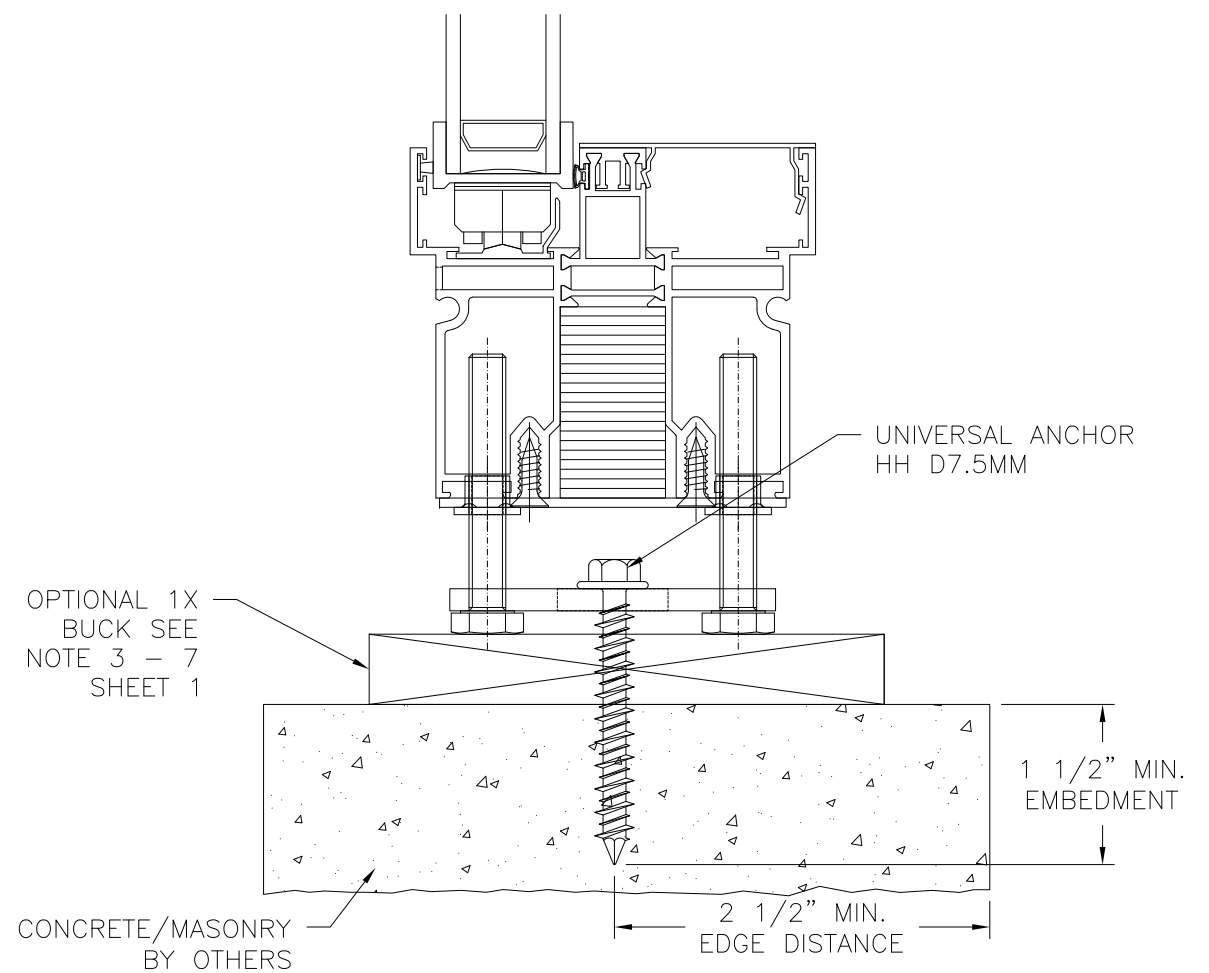
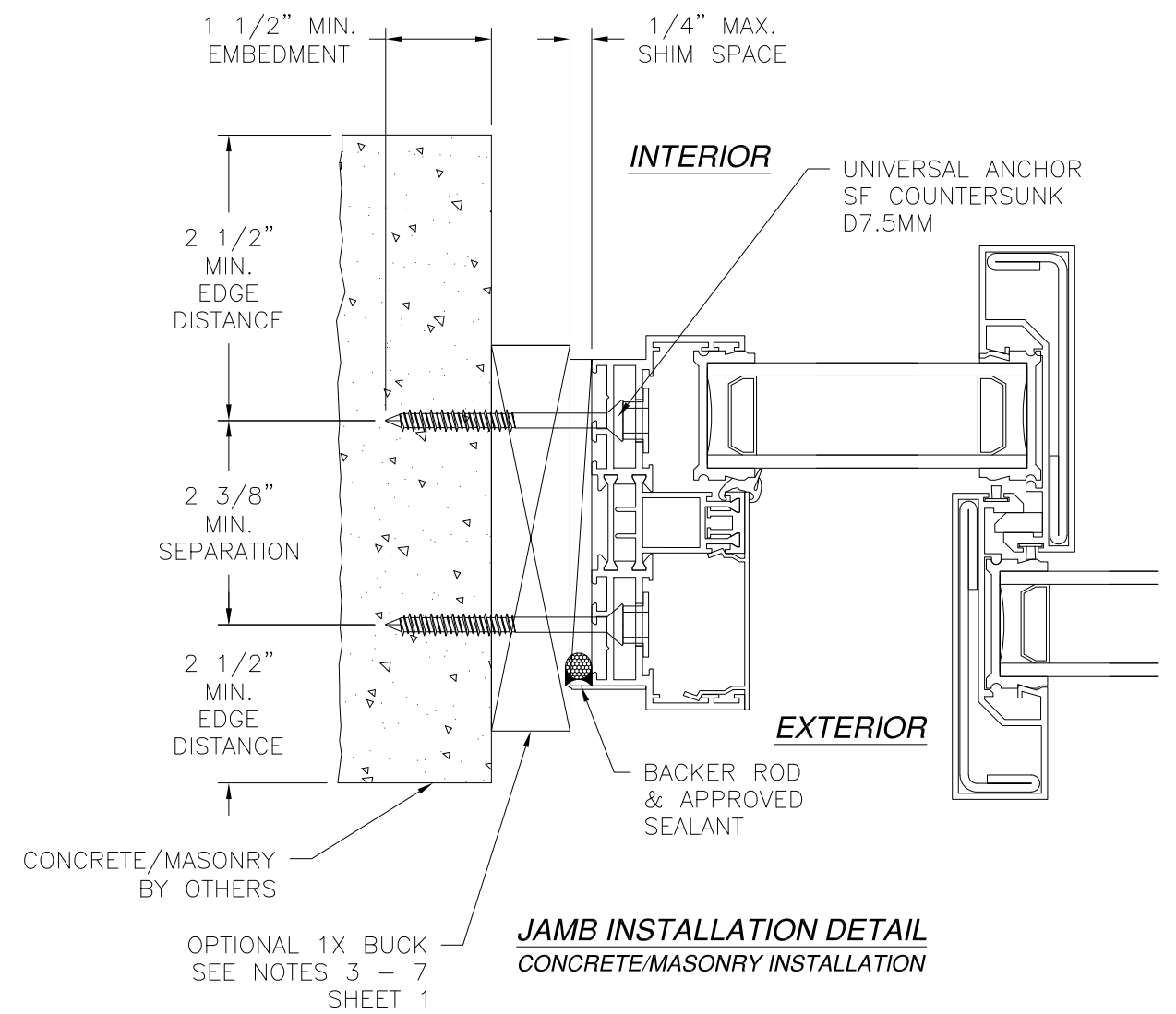
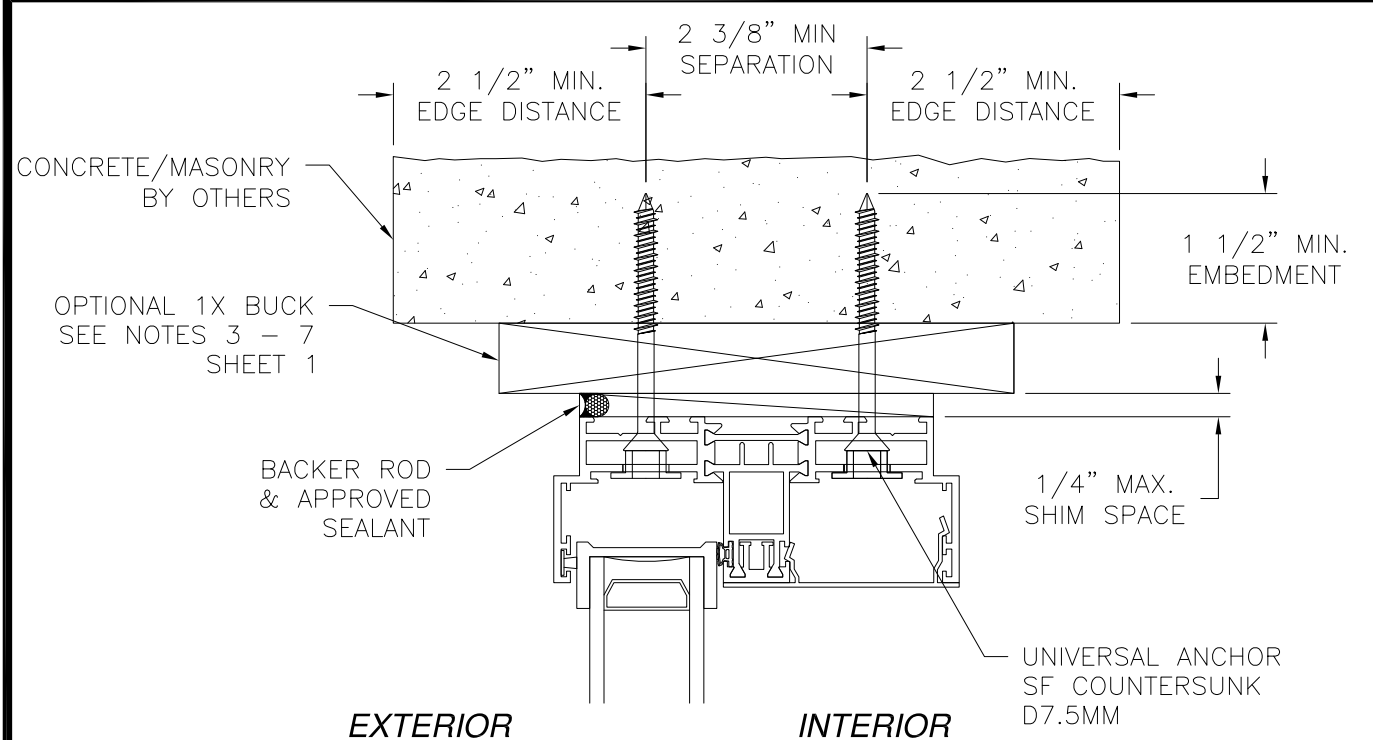
<p>SKY-FRAME INC. LANGFELDSTRASSE 111 FRAUENFELD, SWITZERLAND CH-8500</p>		
<p>SERIES SF2-R30 ALUMINUM SGD NON-IMPACT INSTALLATION DETAILS</p>		
<p>DRAWN: N.G.</p>	<p>DWG NO. 08-02789</p>	<p>REV A</p>
<p>SCALE NTS</p>	<p>DATE 08/24/15</p>	<p>SHEET 6 OF 10</p>
<p>L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com</p>		

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VERTICAL CROSS SECTION
CONCRETE/MASONRY 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

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SKY-FRAME INC.
LANGFELDSTRASSE 111
FRAUENFELD, SWITZERLAND CH-8500

SERIES SF2-R30
ALUMINUM SGD NON-IMPACT
INSTALLATION DETAILS

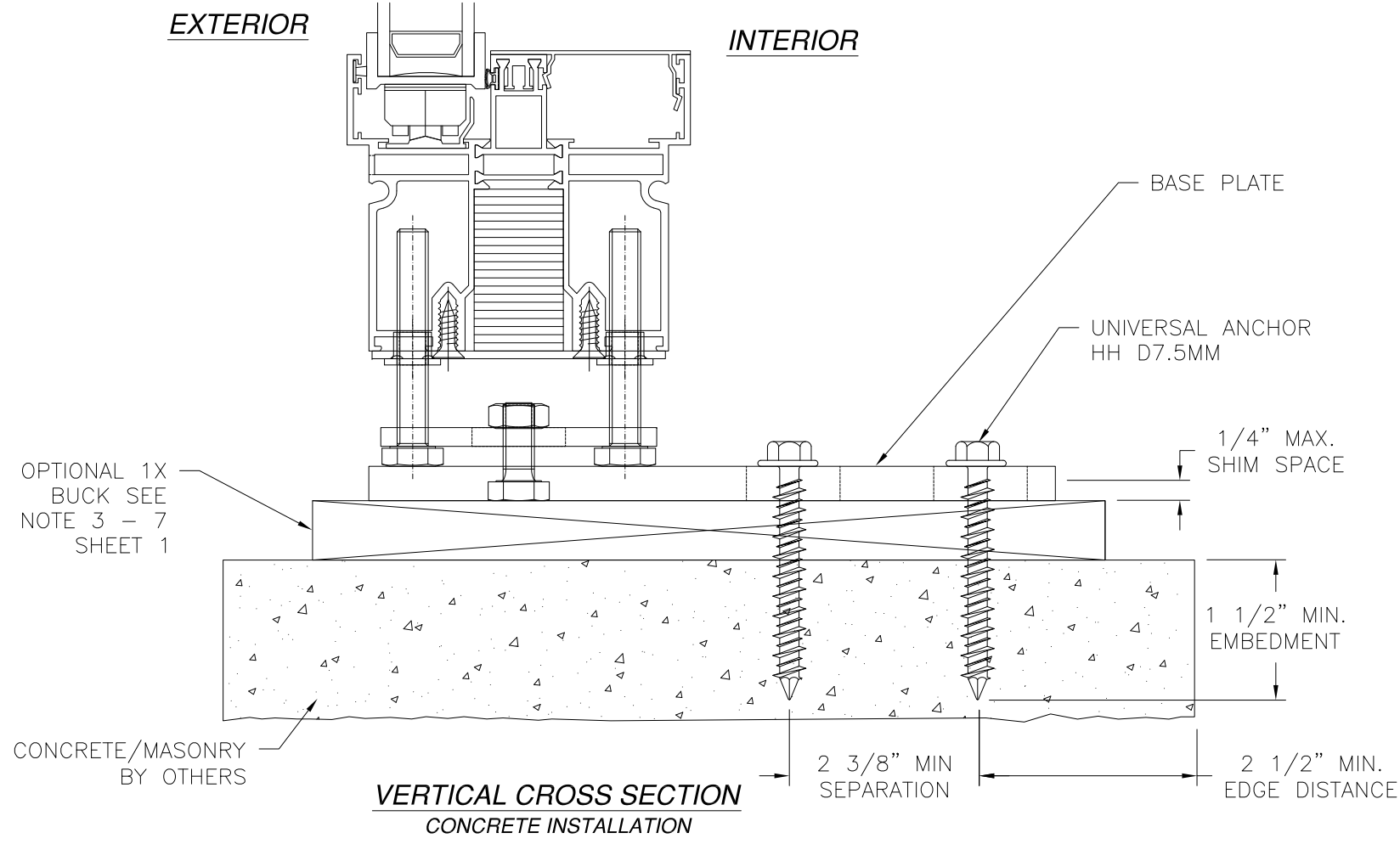
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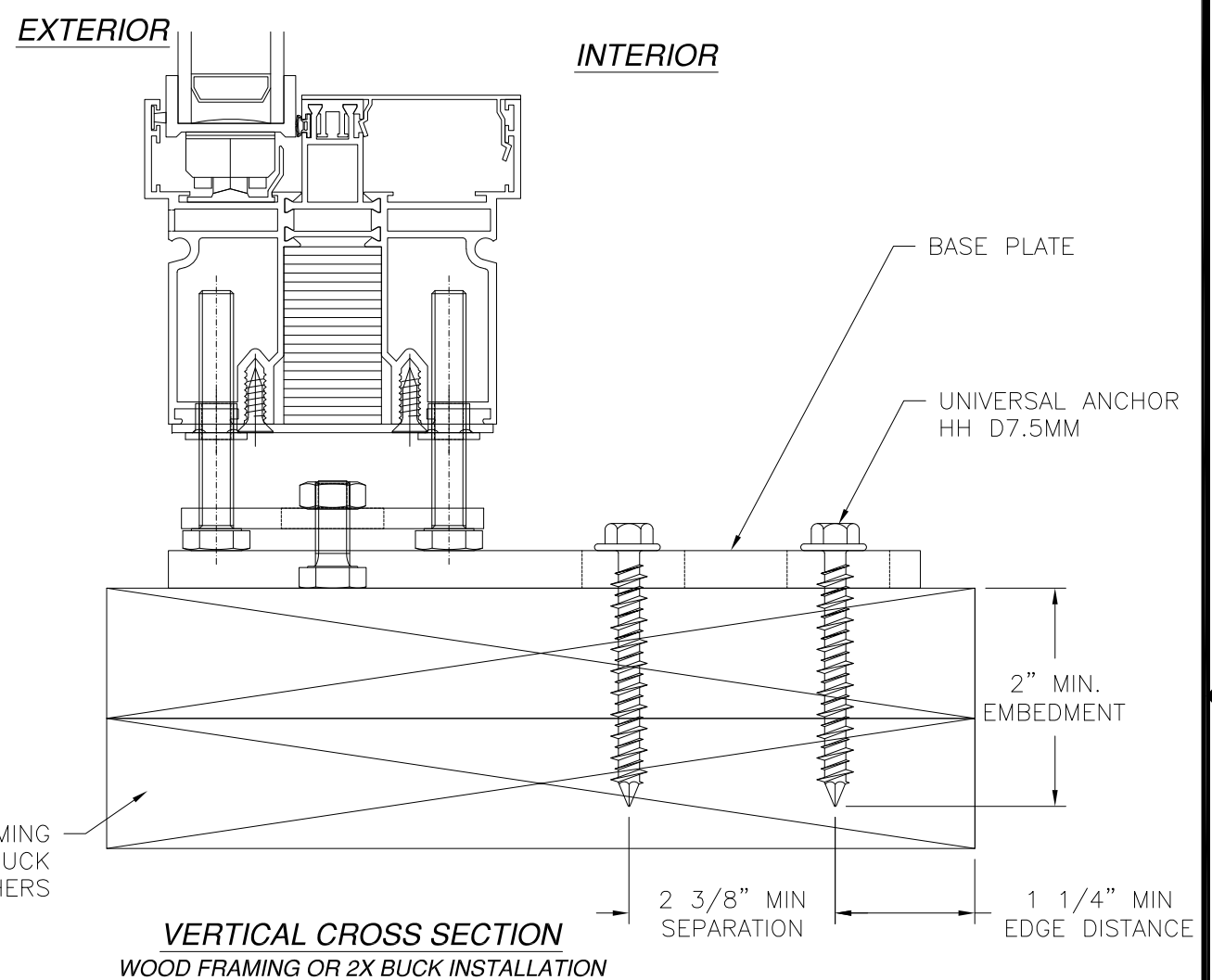


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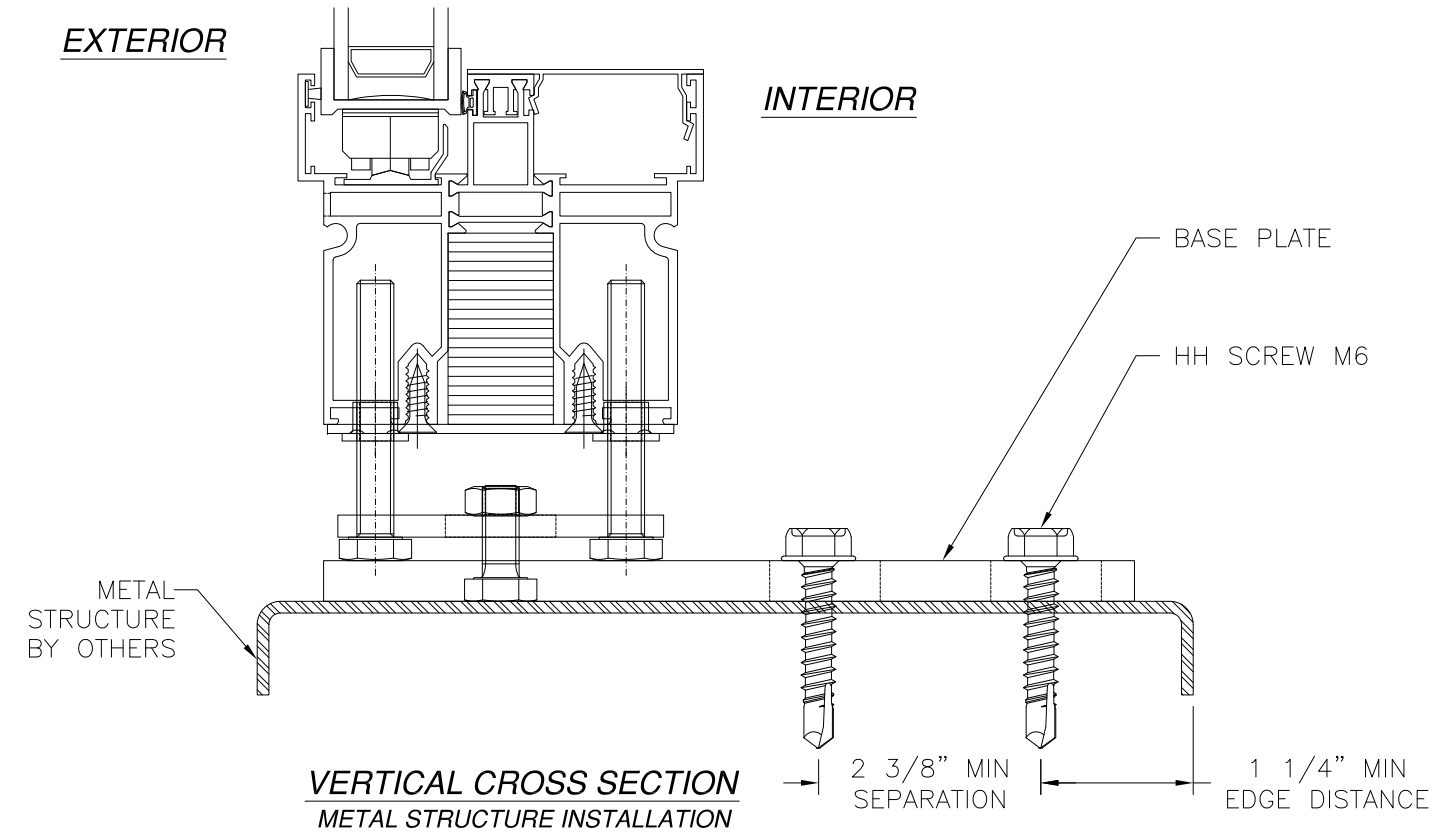
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**VERTICAL CROSS SECTION
CONCRETE INSTALLATION**



**VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION**



**VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION**

- NOTES:**
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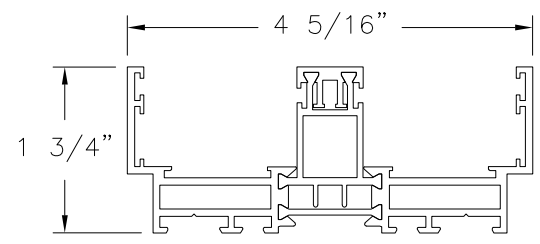
SERIES SF2-R30
ALUMINUM SGD NON-IMPACT
INSTALLATION DETAILS

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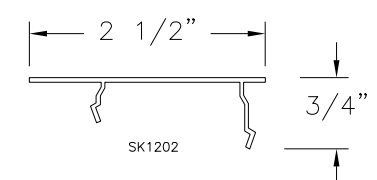
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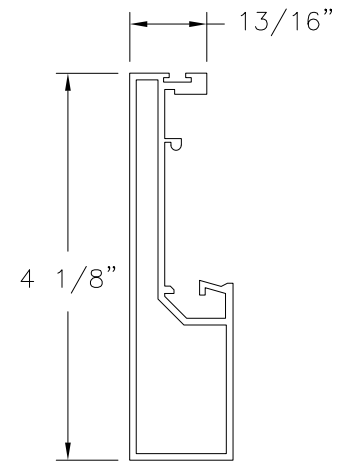
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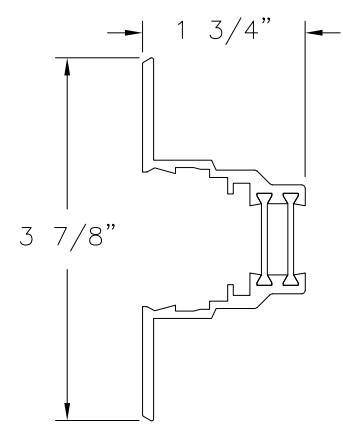
① **WALL CONNECTION (SK1001)**
ALUMINUM 6060-T64 .062 THICK



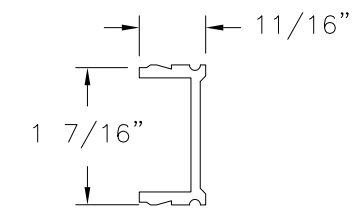
② **COPING (SK1202)**
ALUMINUM 6060-T66 .050 THICK



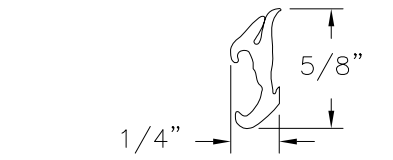
③ **MULLION (SK1211)**
ALUMINUM 6060-T66 .070 THICK



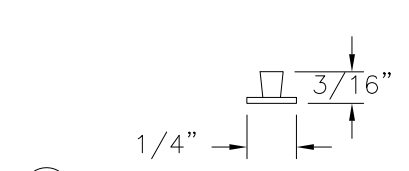
④ **LOCKING PROFILE (SK1101)**
ALUMINUM 6060-T64 .1181 THICK



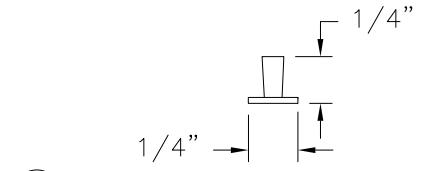
⑤ **GRP VERTICAL (SK1304)**
FIBERGLASS .098 THICK



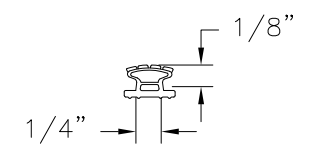
⑥ **RUBBER GASKET (SK1420)**



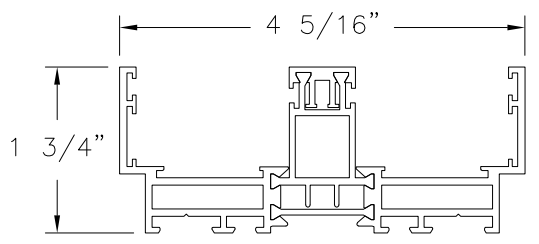
⑦ **BRUSH GASKET (SK1417)**



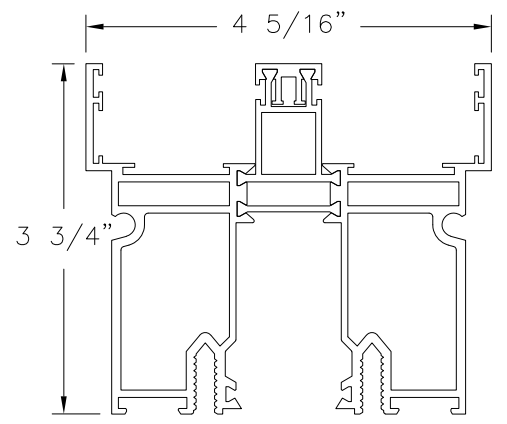
⑧ **BRUSH GASKET (SK1412)**



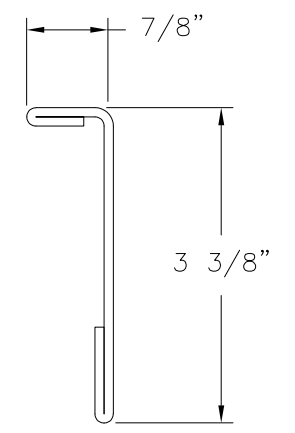
⑨ **RUBBER GASKET (SK1416)**



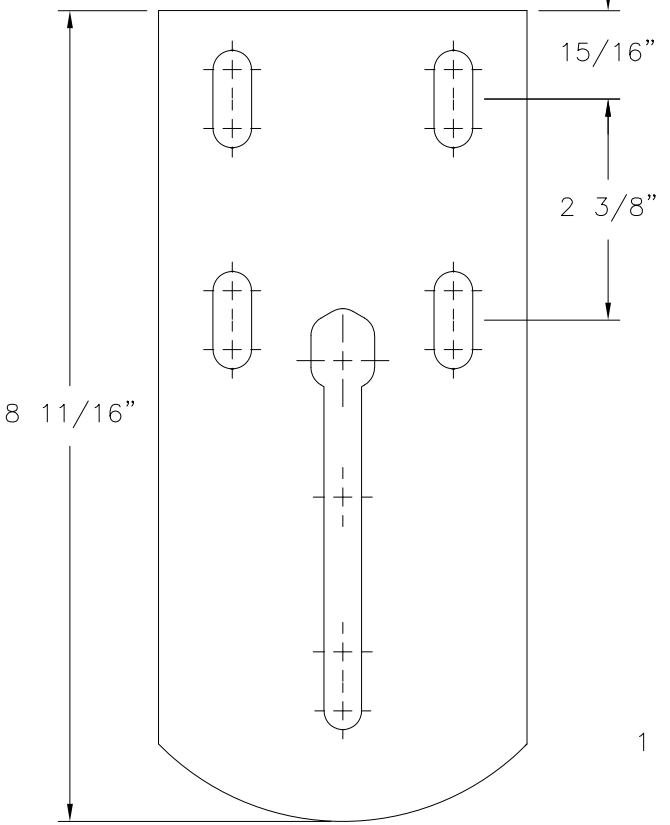
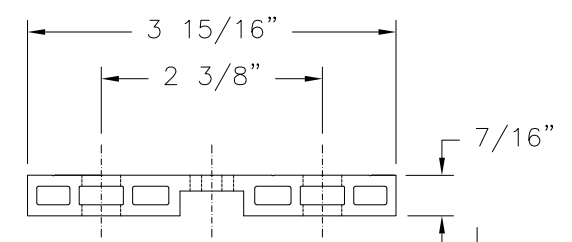
⑩ **LINTEL (SK1001)**
ALUMINUM 6060-T64 .062 THICK



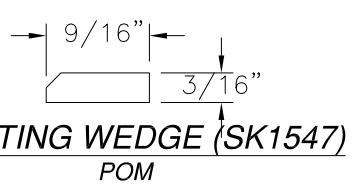
⑪ **BOTTOM TRACK (SK1010)**
ALUMINUM 6060-T64 .062 THICK



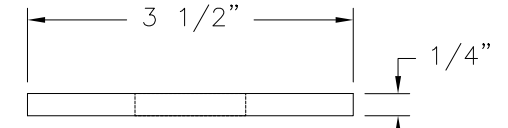
⑰ **STEEL INLAY (SK1211.1)**
STEEL .098 THICK



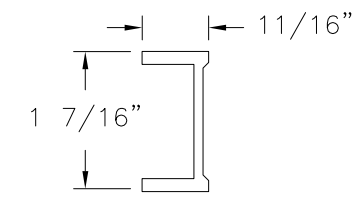
⑳ **BASE PLATE (SK1380)**
ALUMINUM 6060-T64 .4375 THICK



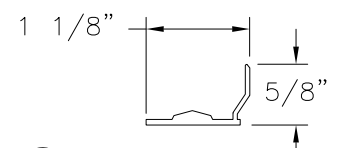
⑱ **ABUTTING WEDGE (SK1547)**
POM



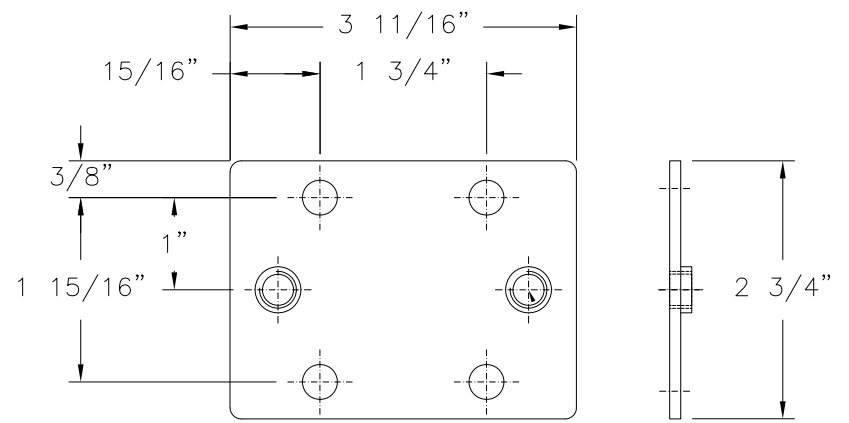
㉔ **CLAMPING PLATE (SK1571.2)**
STEEL .2372 THICK



㉖ **GRP HORIZONTAL (SK1305)**
FIBERGLASS .098 THICK



㉗ **TRACK (SK1203.3)**
ALUMINUM 6060-T6 AND STEEL 1.4310 .050 THICK



㉕ **BASE PLATE (SK1571.1)**
STEEL .0984 THICK

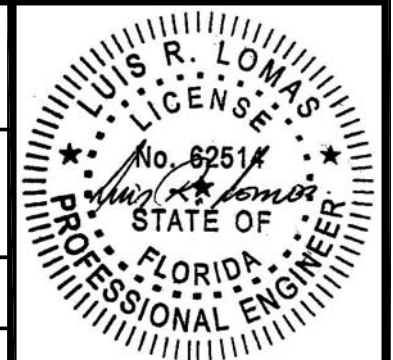
SIGNED: 03/14/2019

SKY-FRAME INC.
LANGFELDSTRASSE 111
FRAUENFELD, SWITZERLAND CH-8500

SERIES SF2-R30
ALUMINUM SGD NON-IMPACT
COMPONENTS

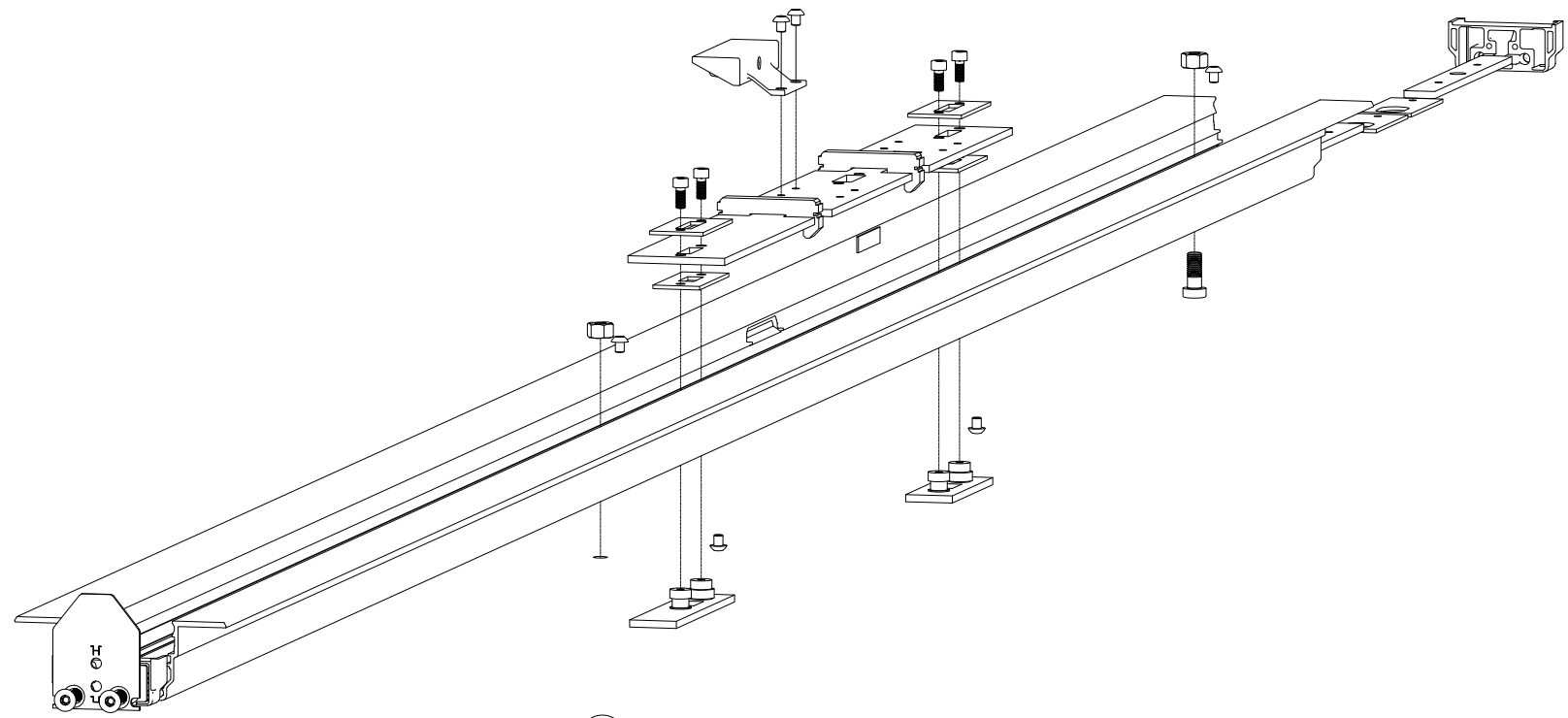
DRAWN: N.G.	DWG NO. 08-02789	REV A
SCALE NTS	DATE 08/24/15	SHEET 9 OF 10

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

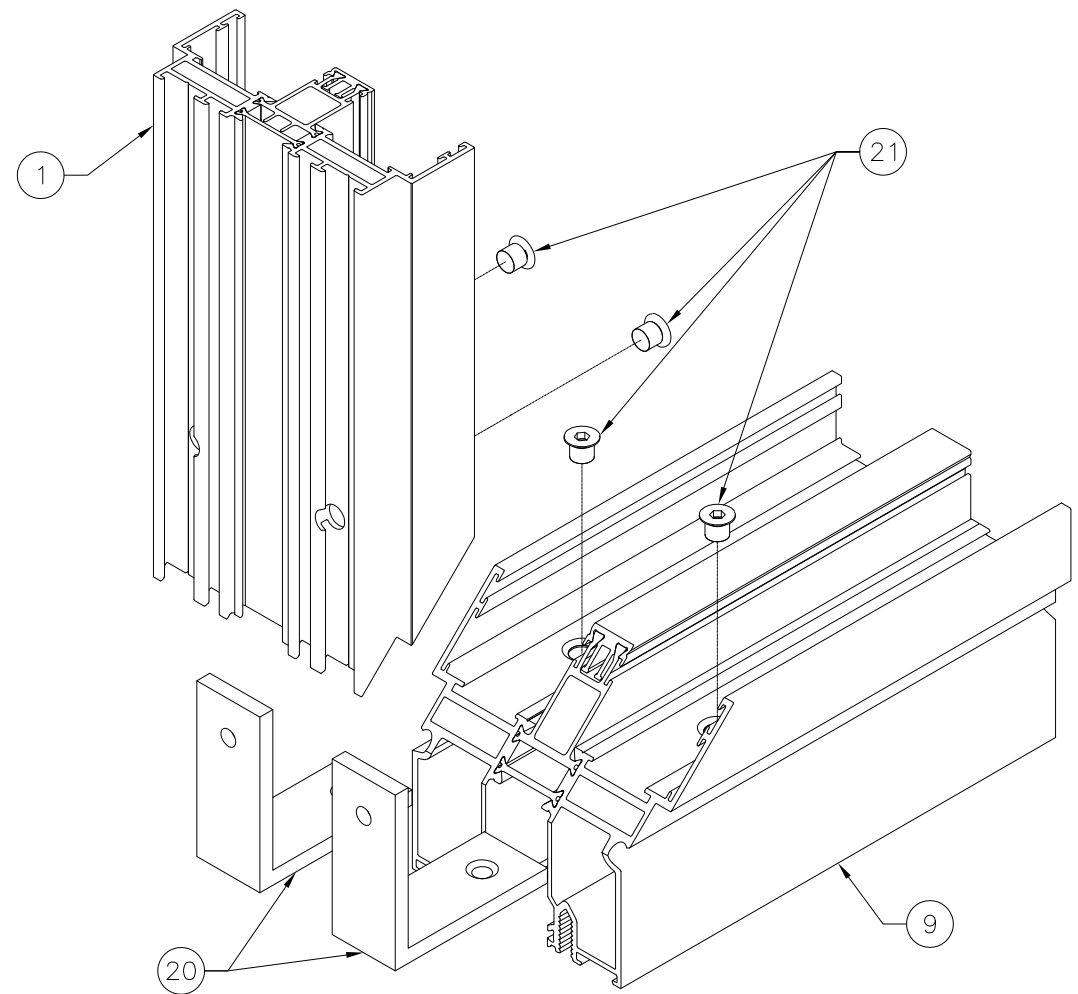


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	03/06/19	R.L.



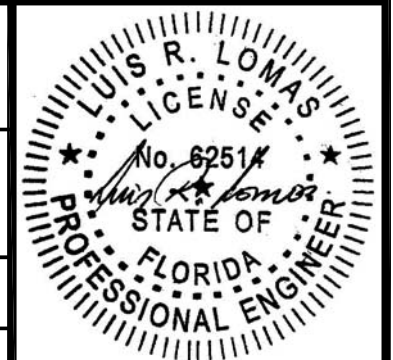
④ **LOCKING PROFILE**
LOCK HARDWARE MODEL
SF2 RV



CORNER JOINT
ALUMINUM 6063-T6 .098 THICK

SIGNED: 03/14/2019

SKY-FRAME INC. LANGFELDSTRASSE 111 FRAUENFELD, SWITZERLAND CH-8500		
SERIES SF2-R30 ALUMINUM SGD NON-IMPACT COMPONENTS		
DRAWN: N.G.	DWG NO. 08-02789	REV A
SCALE NTS	DATE 08/24/15	SHEET 10 OF 10
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



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