

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISE PER NEW CODE	11/29/2023	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
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. 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.
4. 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.
5. 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.
6. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. 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".
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: 6060-T64 ALUMINUM.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 2 FOR GLASS DETAILS
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. 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.
14. 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.
15. 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.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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:
 - 17.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - 17.3. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - 17.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
18. APPROVED CONFIGURATIONS: OX, XO.

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1	NOTES
2	ELEVATION
3 – 4	CROSS SECTIONS AND B.O.M.
5 – 8	INSTALLATION DETAILS
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SKY-FRAME INC.
LANGFELDSTRASSE 111
FRAUENFELD, SWITZERLAND CH-8500

SERIES SKY-FRAME 2
ALUMINUM SGD – IMPACT
NOTES

DRAWN:
N.G.

DWG NO.
08-02682

REV
B

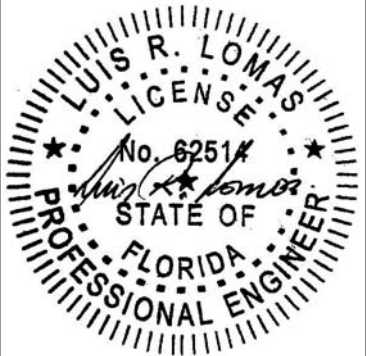
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DATE 08/24/15

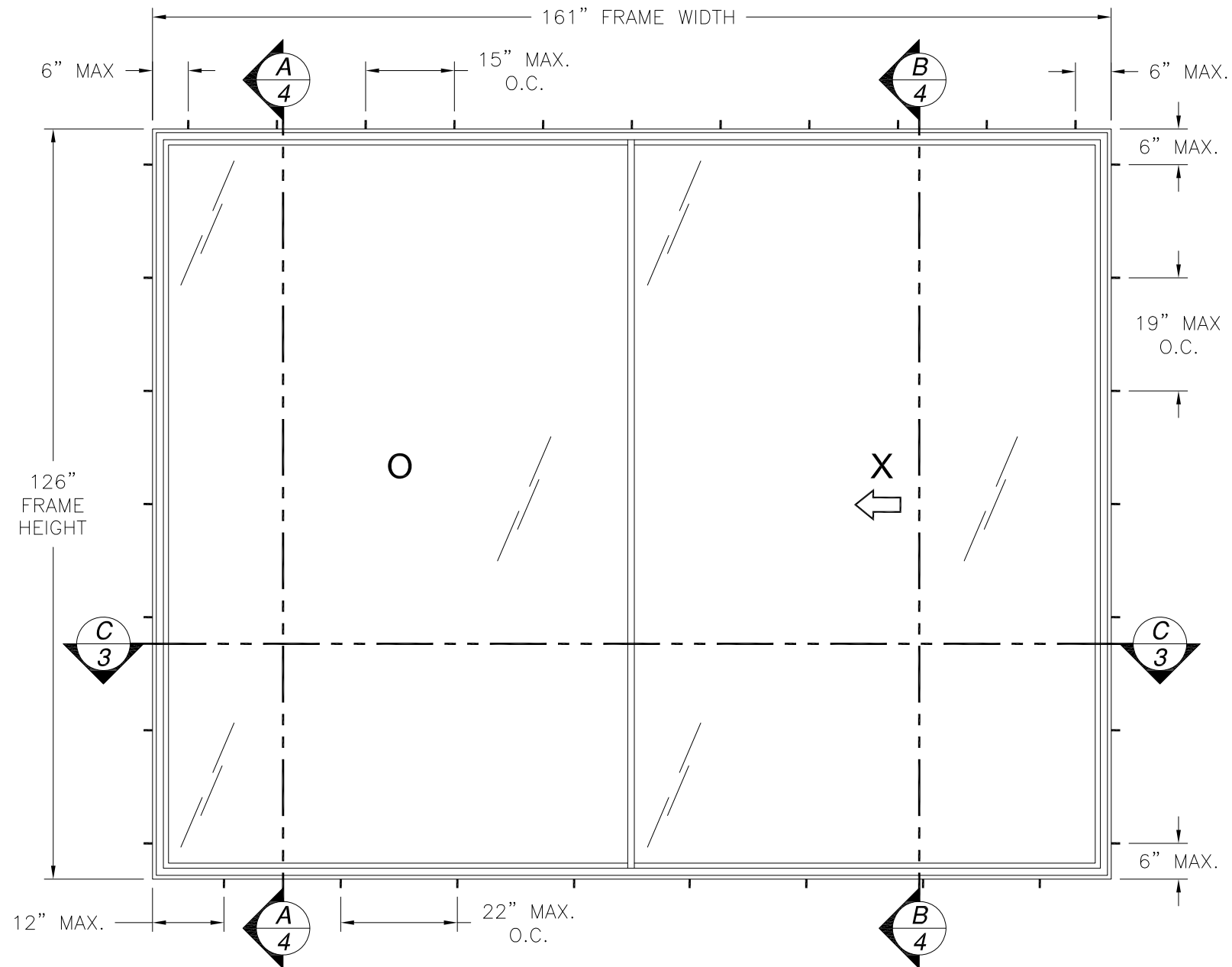
SHEET 1 OF 10

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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 11/29/2023



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



SERIES SKY-FRAME 2 SLIDING WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	LARGE AND SMALL MISSILE IMPACT

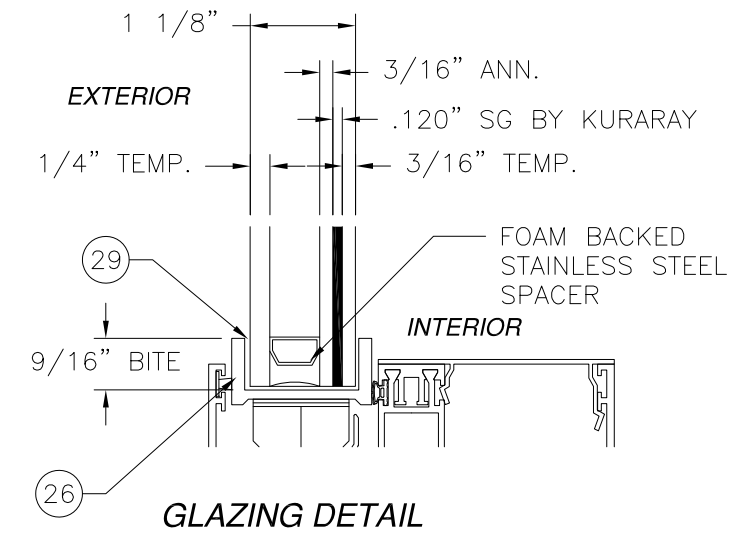
MISSILE LEVEL D, WIND ZONE 4, AND HVHZ

77 3/4" X 120" PANEL SHOWN. OTHER SIZES APPROVED AS LONG AS
PANEL AREA DOES NOT EXCEED 64.79 FT²

NOTES:

- SASH SIZE: 77 3/4" X 120"
- D.L.O.: 75 3/8" X 117 11/16"
- (13) WEEP SLOT 1 1/8" X 1/4" AT 6" FROM CORNERS AND 12 1/2" ON CENTER.
- (2) 2 1/2" WEEP CHAMBER AT 40" FROM CORNERS INSIDE FRAME
- (2) 2" WEEP BOX MOUNTED TO WEEP CHAMBER
- (2) 2 1/4" X 1 1/4" DRAIN SLOTS 40 1/2" FROM CORNERS AT INSIDE SILL

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HARDWARE SCHEDULE	
A.	(1) MULTIPOINT LOCK BAR ITEM #29 WITH TWO POINTS AT ACTIVE STILE
B.	(2) ADJACENT KEEPERS ITEM #30 AT JAMBS
C.	(2) ROLLER ASSEMBLY ITEM #12 AT SILL
D.	STEEL REINFORCEMENT ITEM #17 (SKI1214.1) AT MEETING STILE FRAME

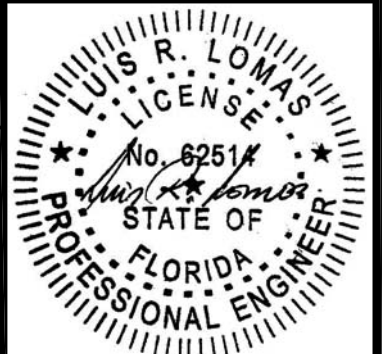
SKY-FRAME INC.
LANGFELDSTRASSE 111
FRAUENFELD, SWITZERLAND CH-8500

SERIES SKY-FRAME 2
ALUMINUM SGD - IMPACT
ELEVATION

DRAWN: N.G.	DWG NO. 08-02682	REV B
SCALE NTS	DATE 08/24/15	SHEET 2 OF 10

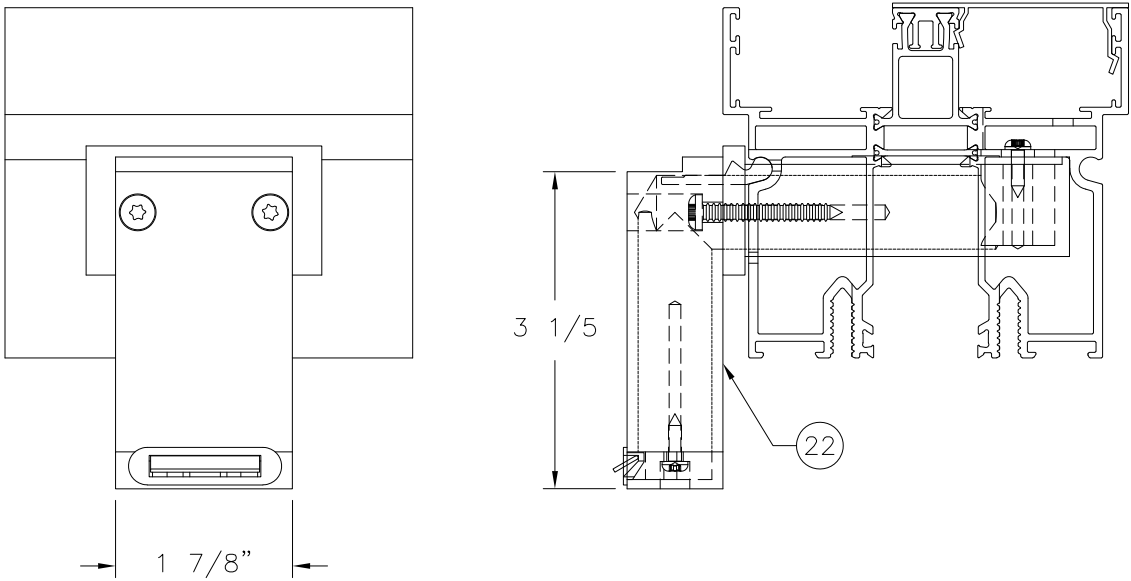
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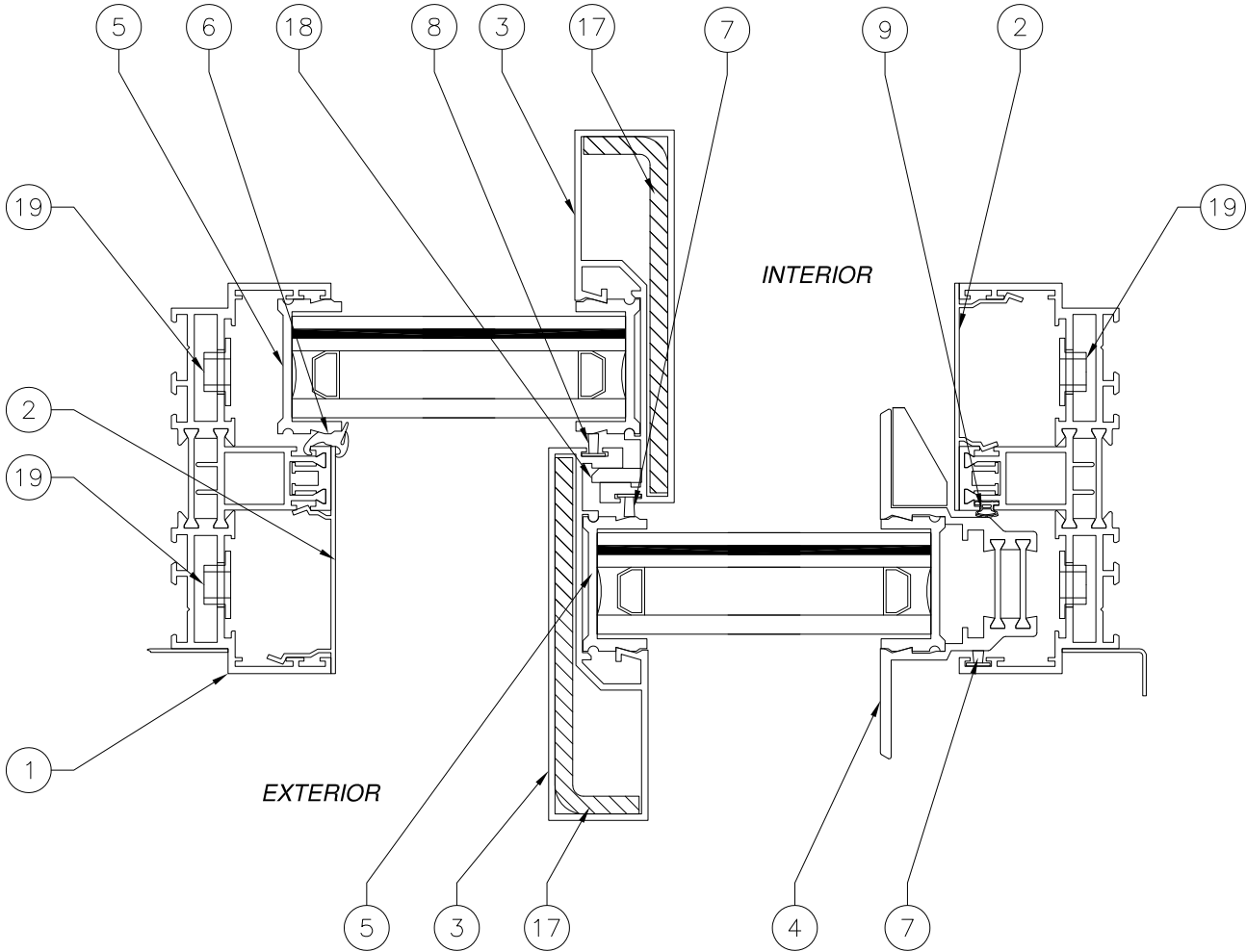
BILL OF MATERIALS				
ITEM NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	SK1001	WALL CONNECTION	SKY-FRAME, INC.	ALUMINUM 6060-T64
2	SK1202	COPING	SKY-FRAME, INC.	ALUMINUM 6060-T66
3	SK1214	MULLION	SKY-FRAME, INC.	ALUMINUM 6060-T66
4	SK1101	LOCKING PROFILE	SKY-FRAME, INC.	ALUMINUM 6060-T64
5	SK1304	GRP VERTICAL	SKY-FRAME, INC.	FIBERGLASS
6	SK1420	RUBBER GASKET	SKY-FRAME, INC.	EPDM 70 DUROMETER SHORE A
7	SK1417	BRUSH GASKET	SKY-FRAME, INC.	
8	SK1412	BRUSH GASKET	SKY-FRAME, INC.	
9	SK1416	RUBBER GASKET	SKY-FRAME, INC.	TPS 60 DUROMETER SHORE A
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	SK1577	INSULATION	SKY-FRAME, INC.	
15	SK1621	10MM BOLT	SKY-FRAME, INC.	EPS
16	SK8001	10MM NUT	TRADER	
17	SK1214.1	STEEL INLAY	TRADER	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	SK1658	WEEPING SYSTEM	SKY-FRAME, INC.	
23	SK8004	HEXAGON SCREW M10X70	TRADER	
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
29	WT480	SILICONE	SIKASIL	SILICONE



WEEPING SYSTEM DETAIL

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



C
3 HORIZONTAL SECTION

SIGNED: 11/29/2023

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

SERIES SKY-FRAME 2
ALUMINUM SGD - IMPACT
CROSS SECTIONS AND B.O.M.

DRAWN:
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DWG NO.
08-02682

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NTS

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08/24/15

SHEET
3 OF 10

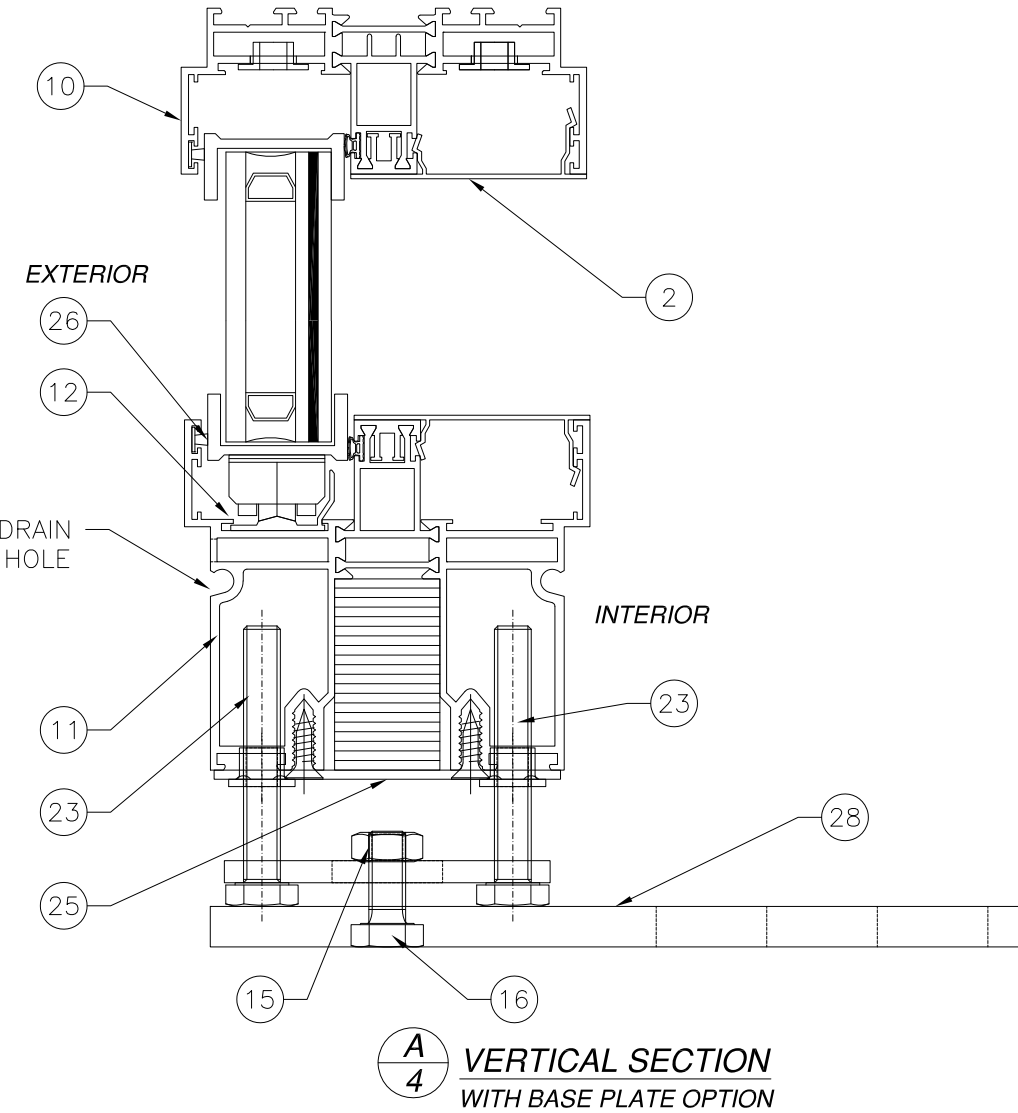
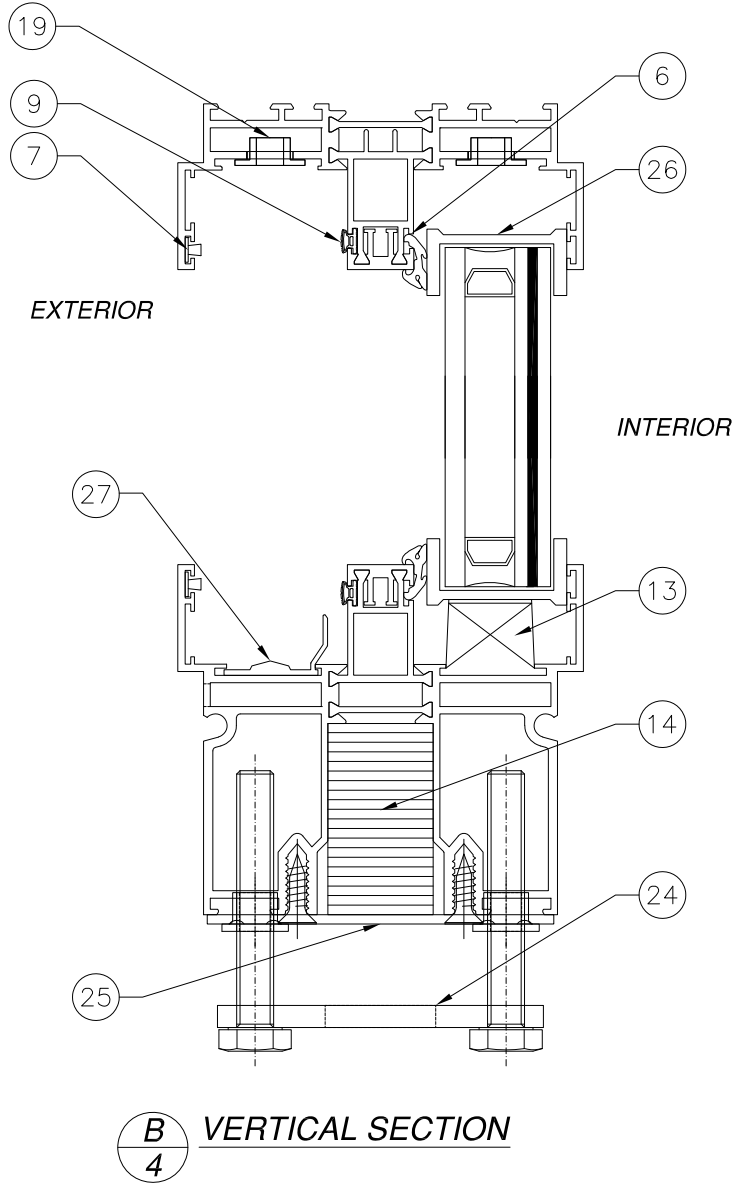
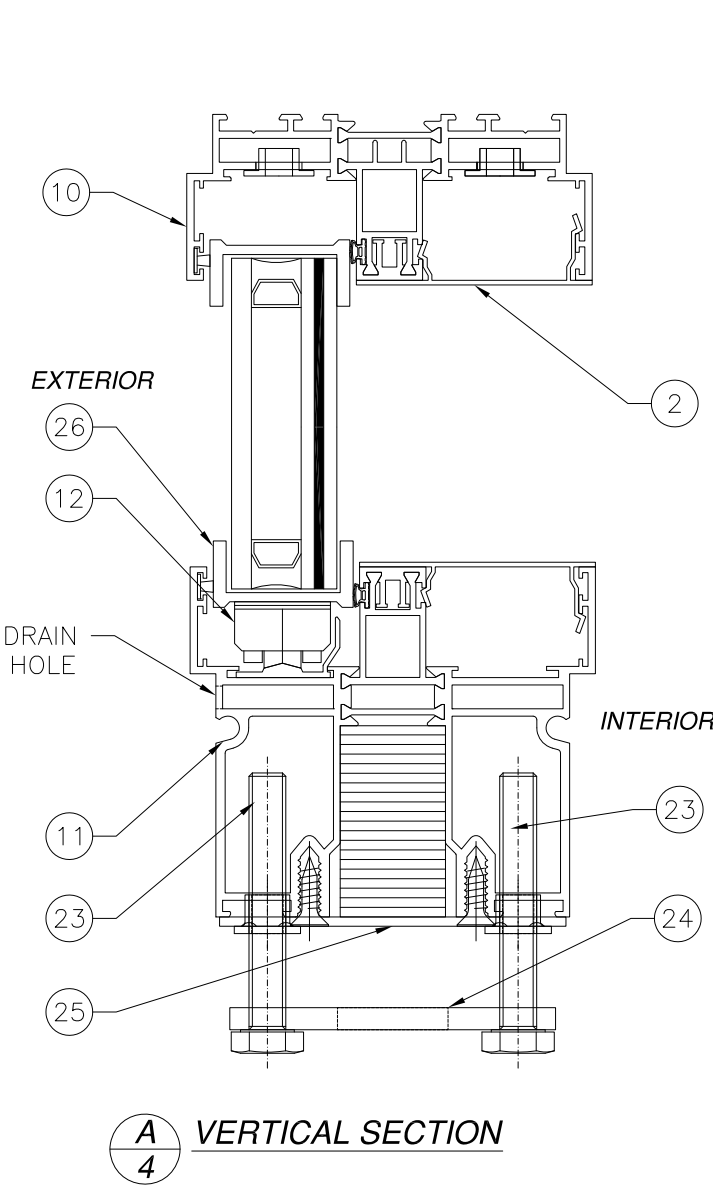
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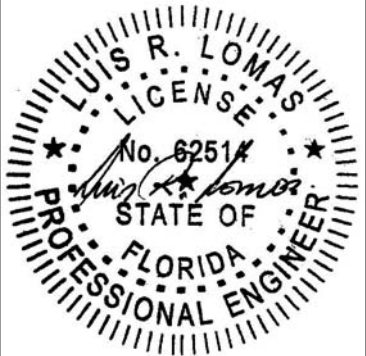
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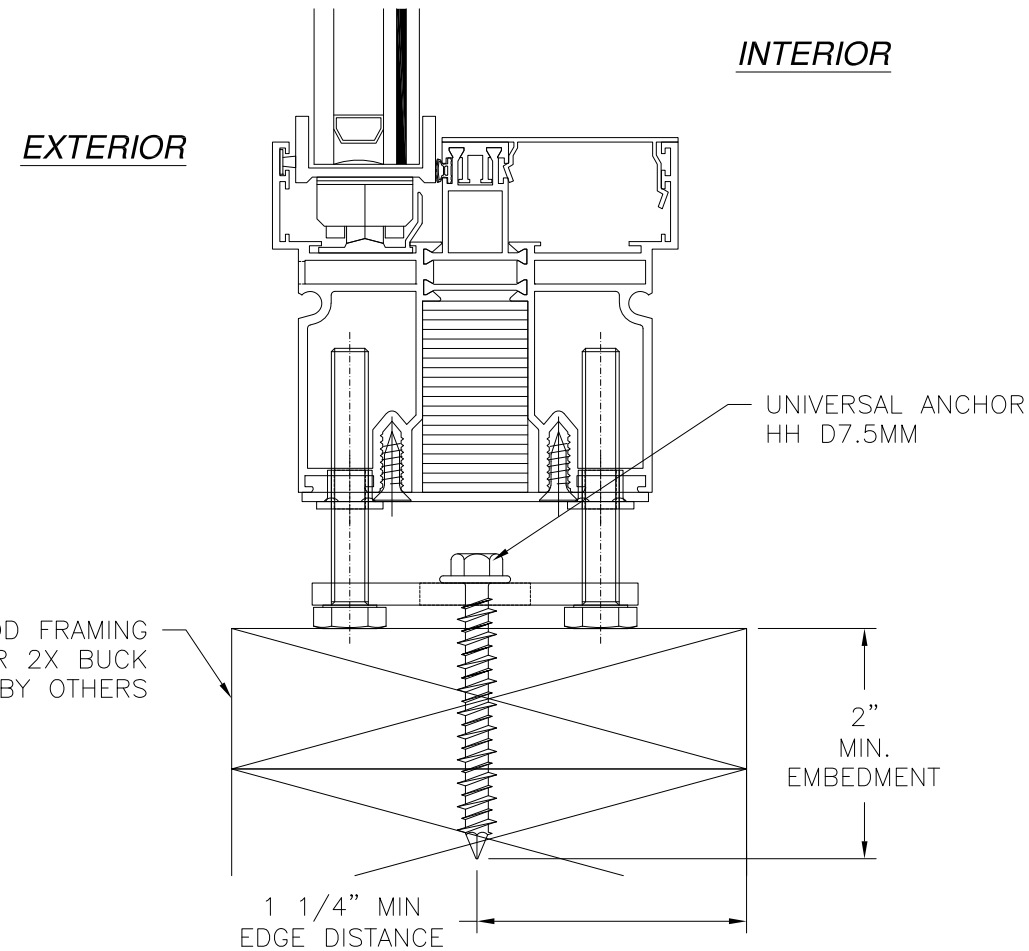
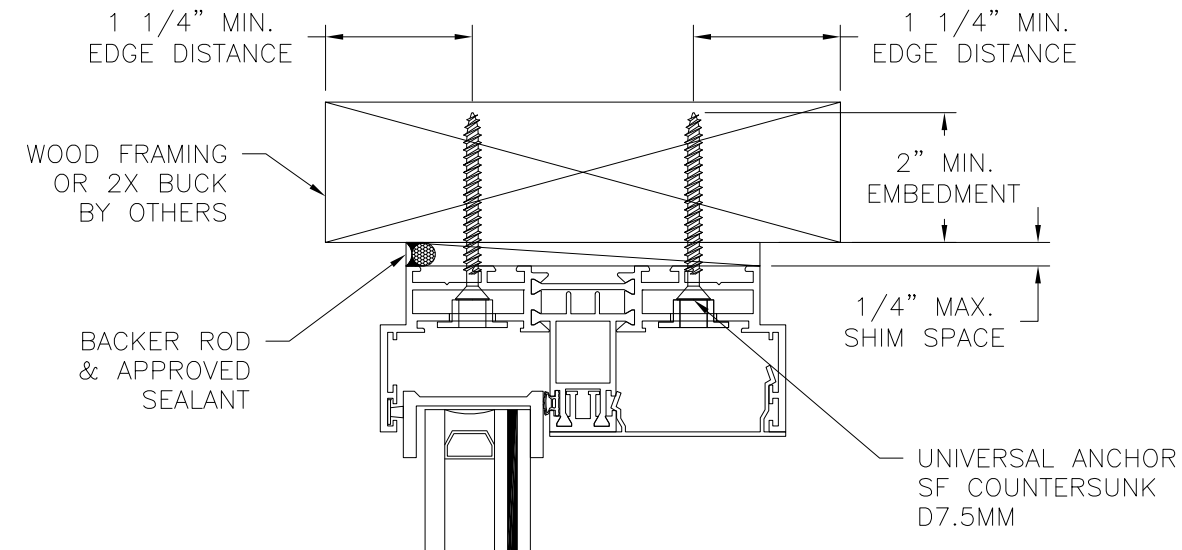
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SKY-FRAME INC. LANGFELDSTRASSE 111 FRAUENFELD, SWITZERLAND CH-8500		
SERIES SKY-FRAME 2 ALUMINUM SGD - IMPACT CROSS SECTIONS		
DRAWN: N.G.	DWG NO. 08-02682	REV B
SCALE NTS	DATE 08/24/15	SHEET 4 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



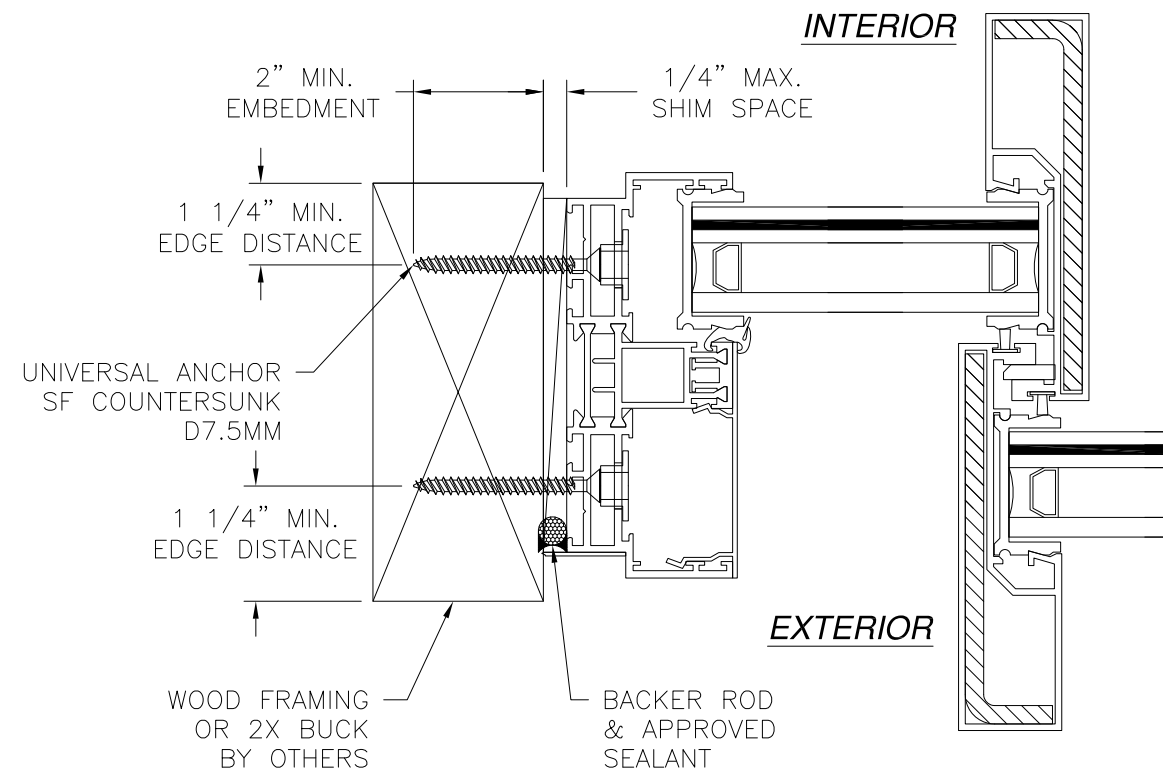
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

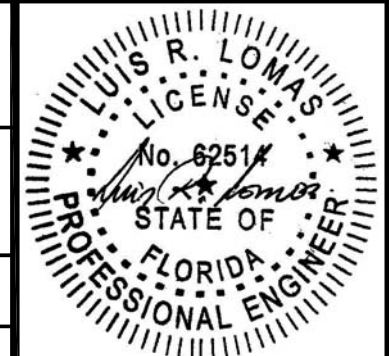
NOTES:
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2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

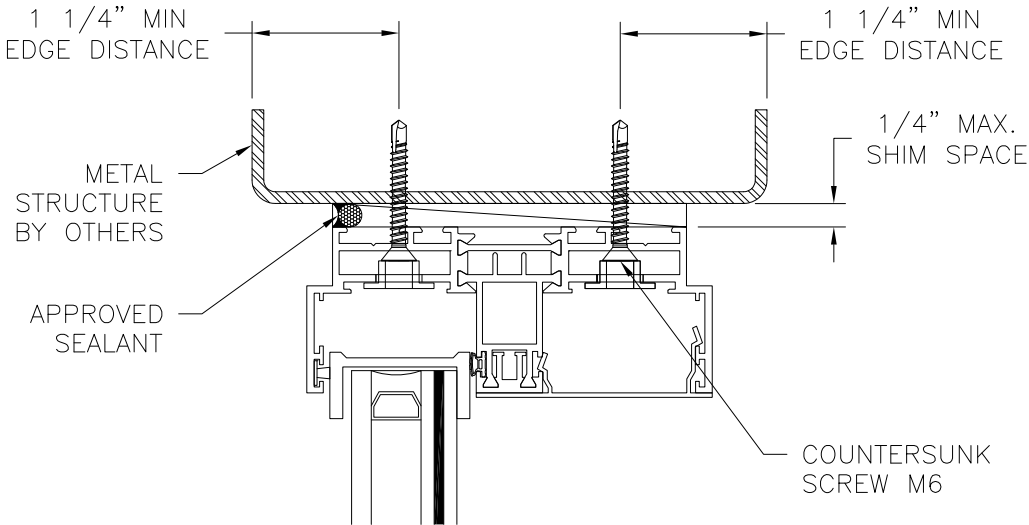
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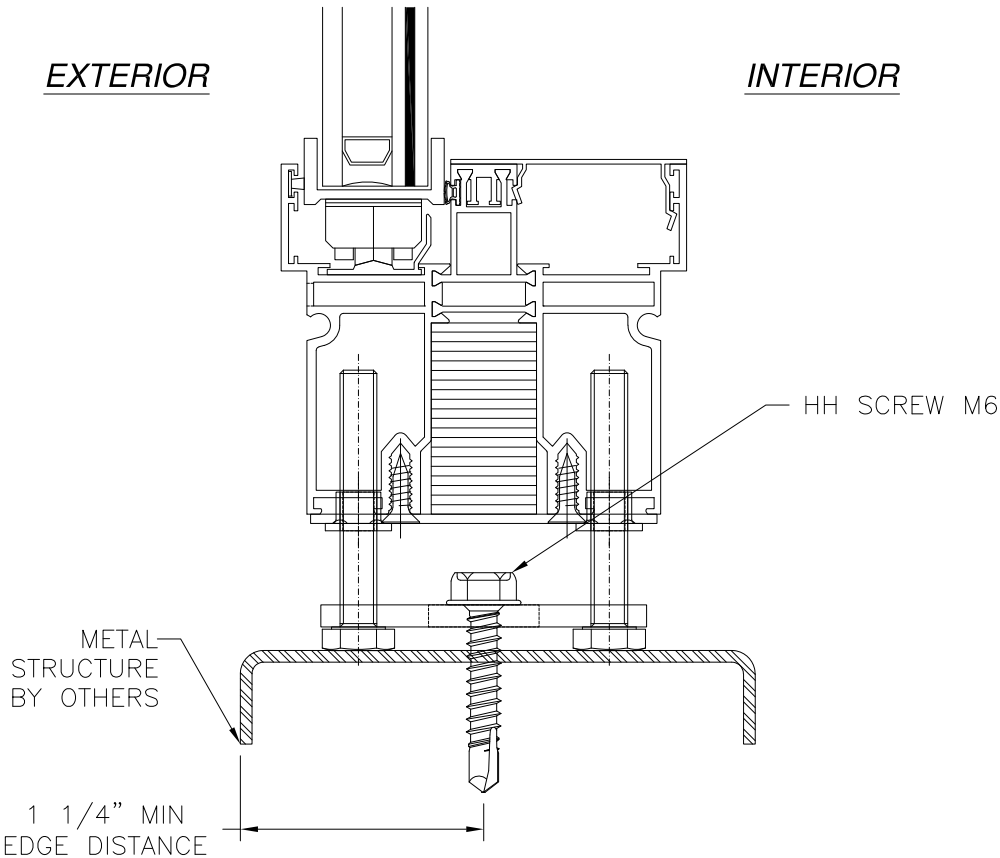
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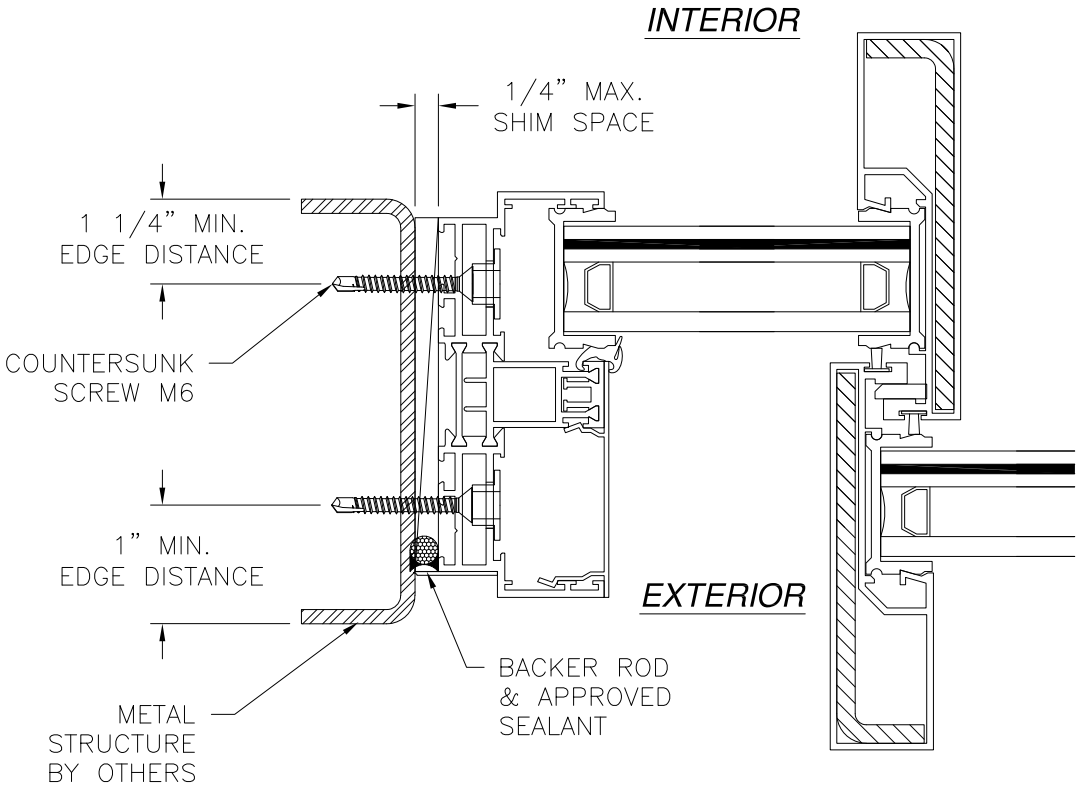
EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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INTERIOR

EXTERIOR

JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

SKY-FRAME INC.

LANGFELDSTRASSE 111

FRAUENFELD, SWITZERLAND CH-8500

SERIES SKY-FRAME 2

ALUMINUM SGD – IMPACT

INSTALLATION DETAILS

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SHEET

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OF

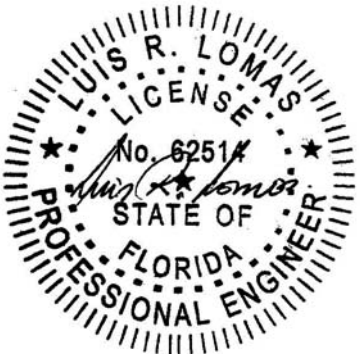
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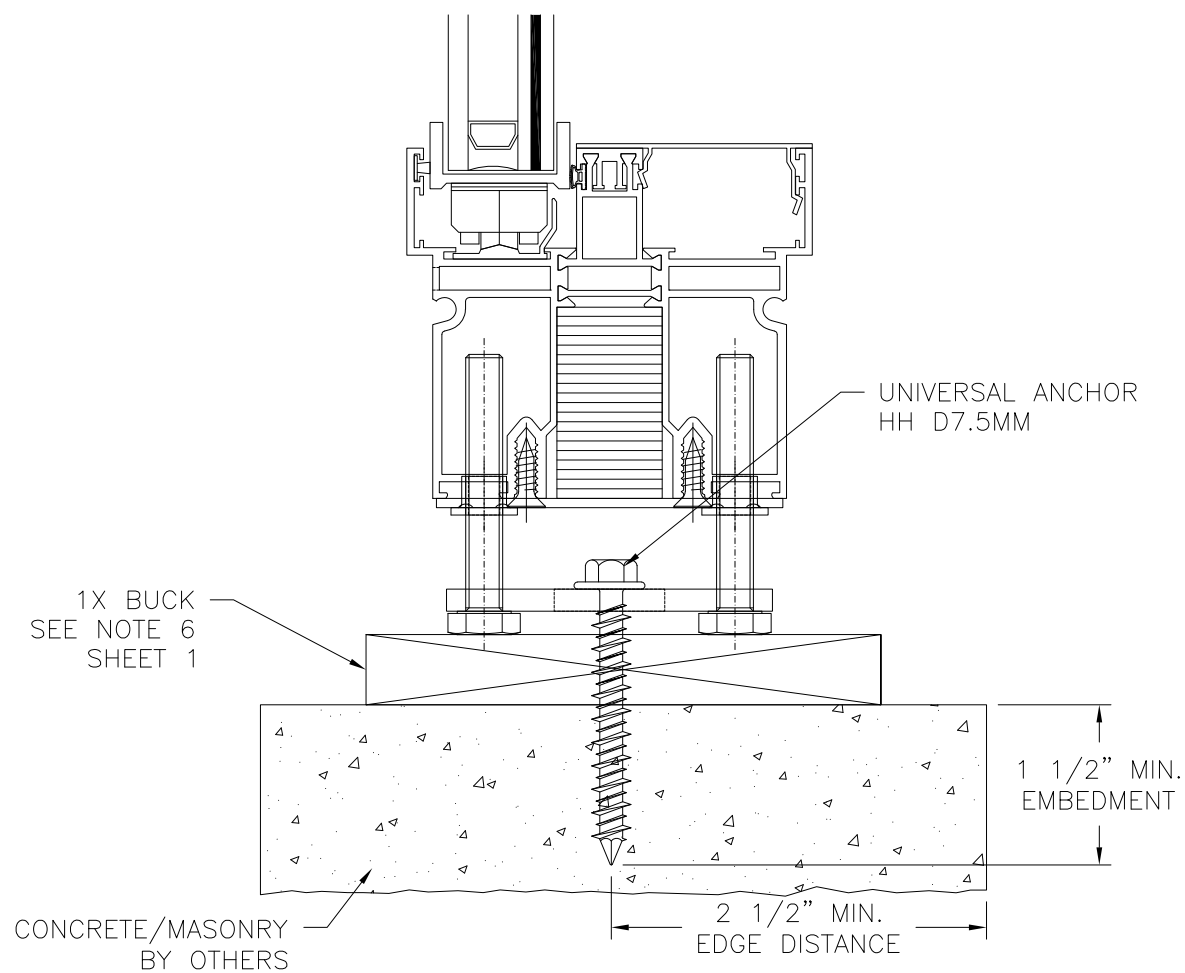
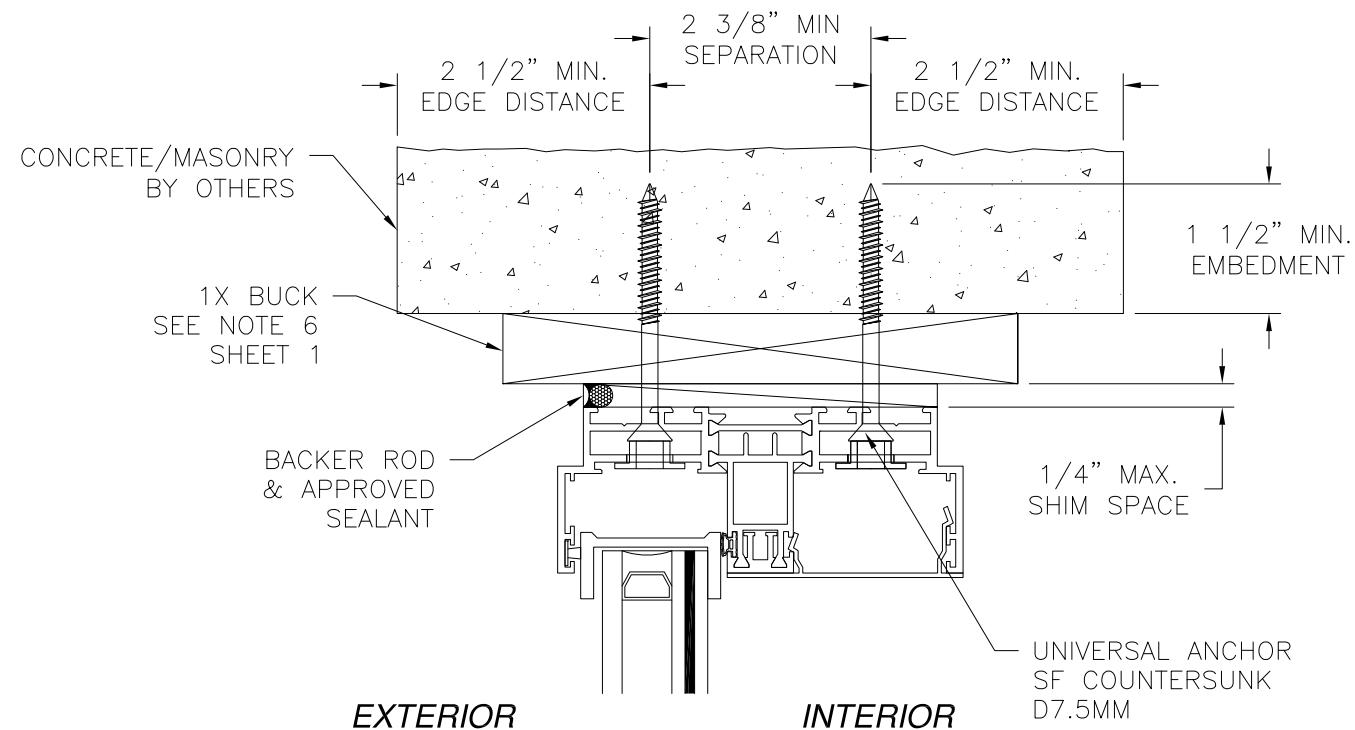
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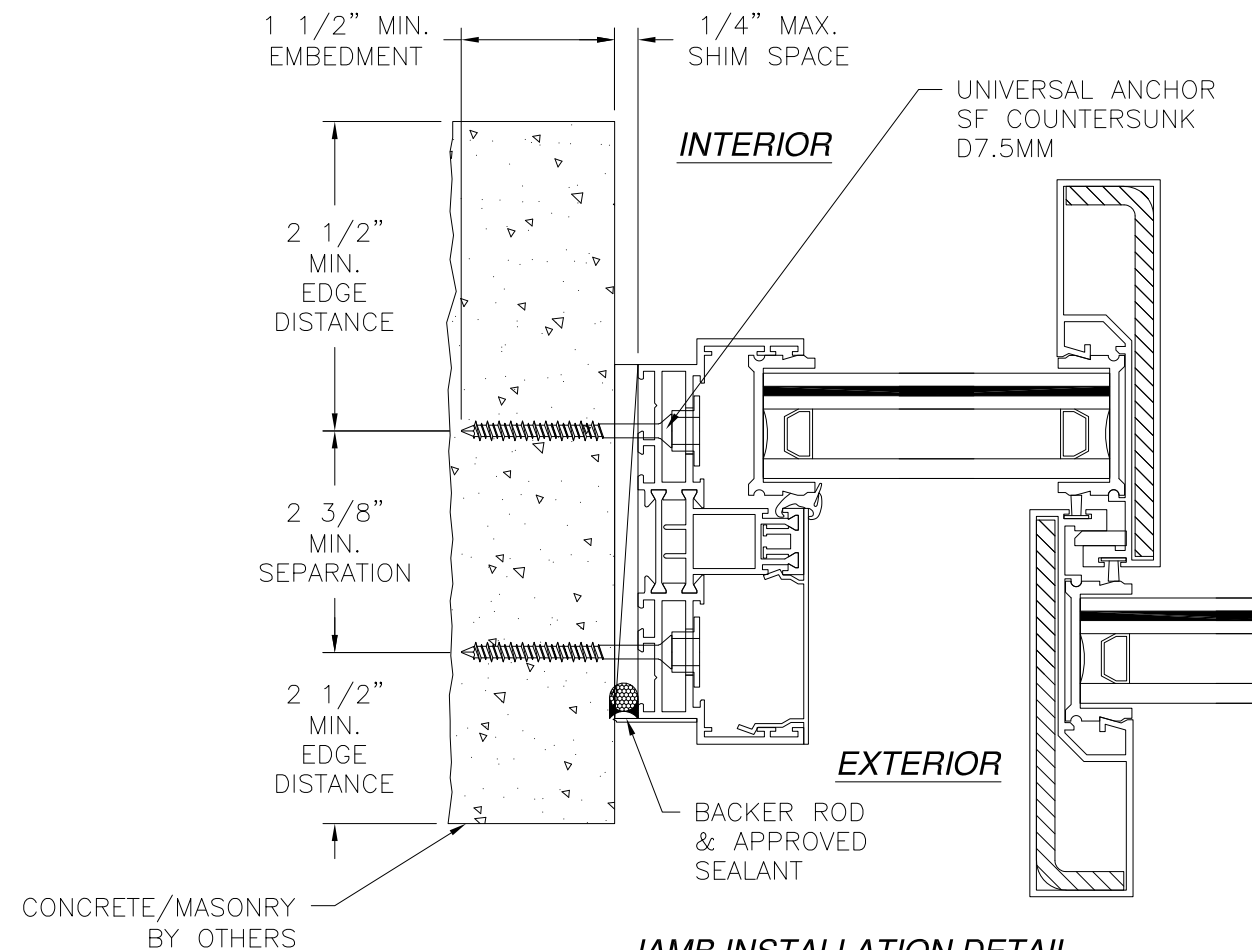


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VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL

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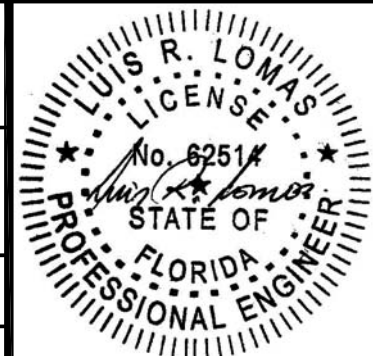


JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

NOTES:
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 DESIGNED IN ACCORDANCE WITH ASTM E2112

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SKY-FRAME INC. LANGFELDSTRASSE 111 FRAUENFELD, SWITZERLAND CH-8500		
SERIES SKY-FRAME 2 ALUMINUM SGD - IMPACT INSTALLATION DETAILS		
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

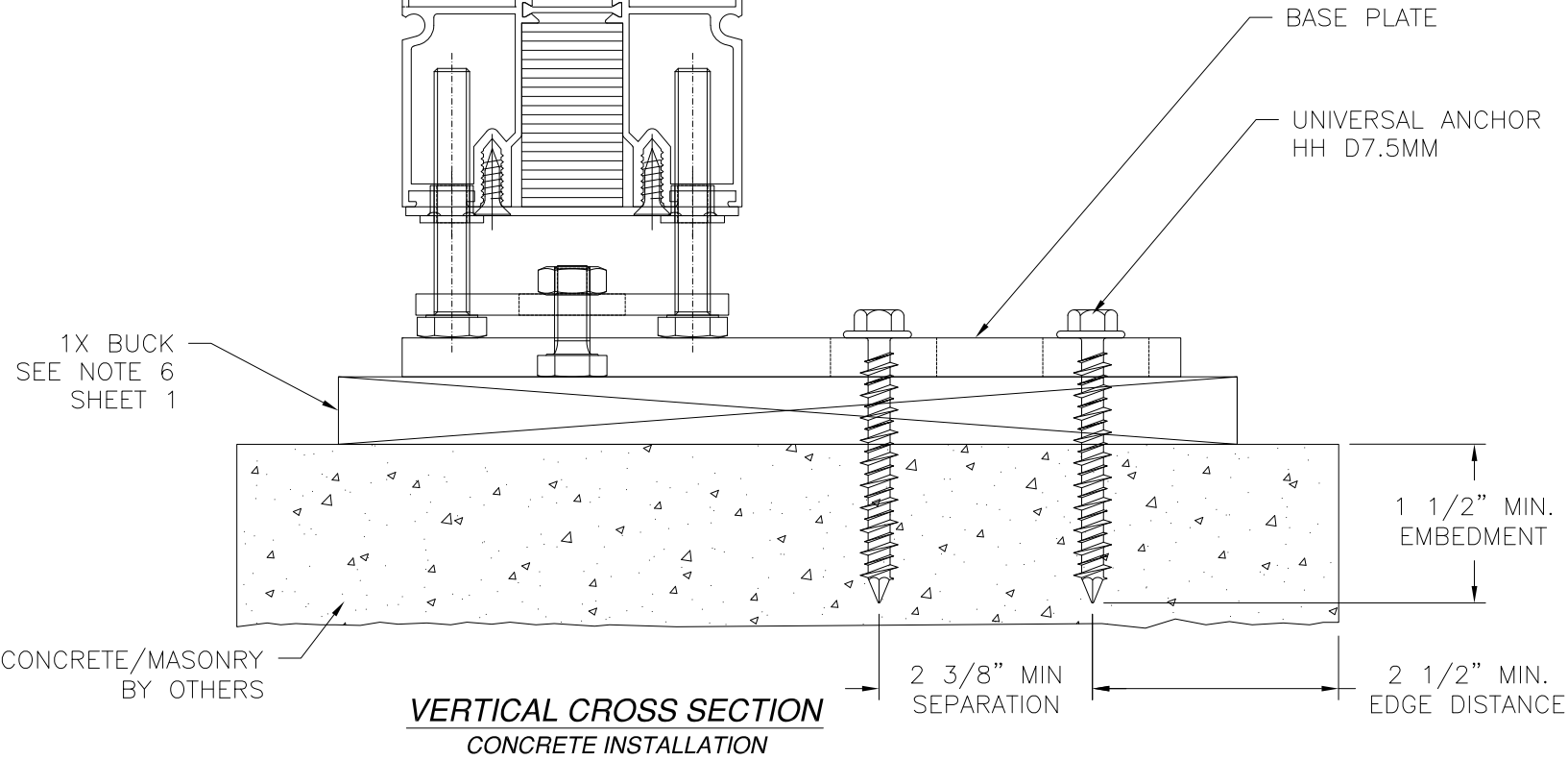


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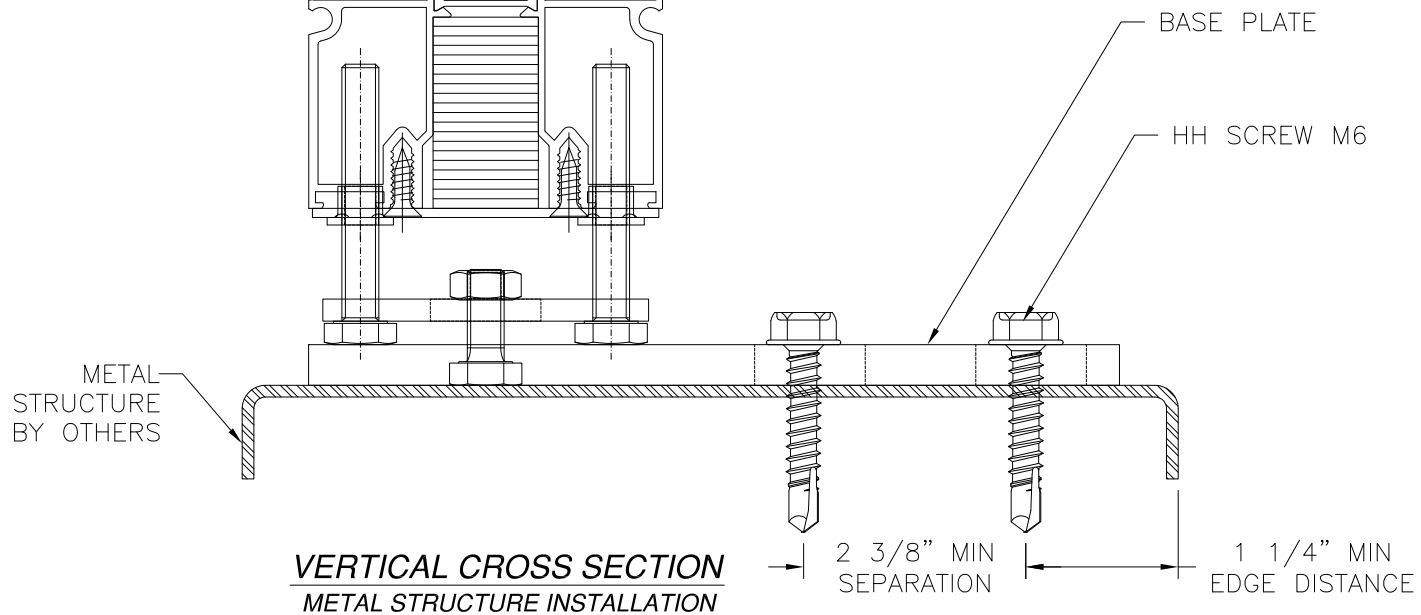
EXTERIOR

INTERIOR



EXTERIOR

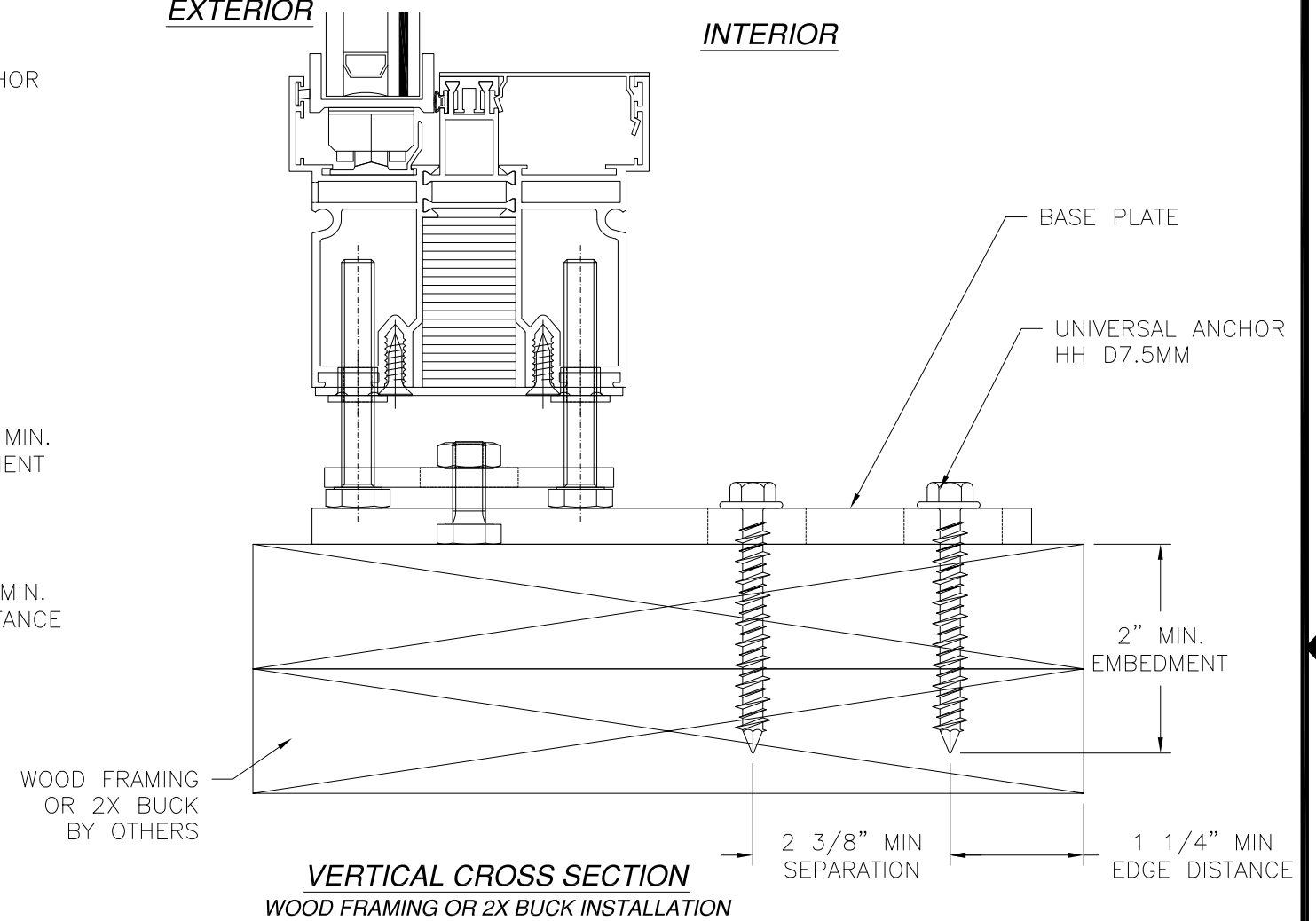
INTERIOR



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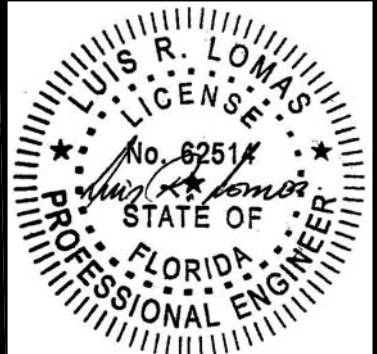
INTERIOR



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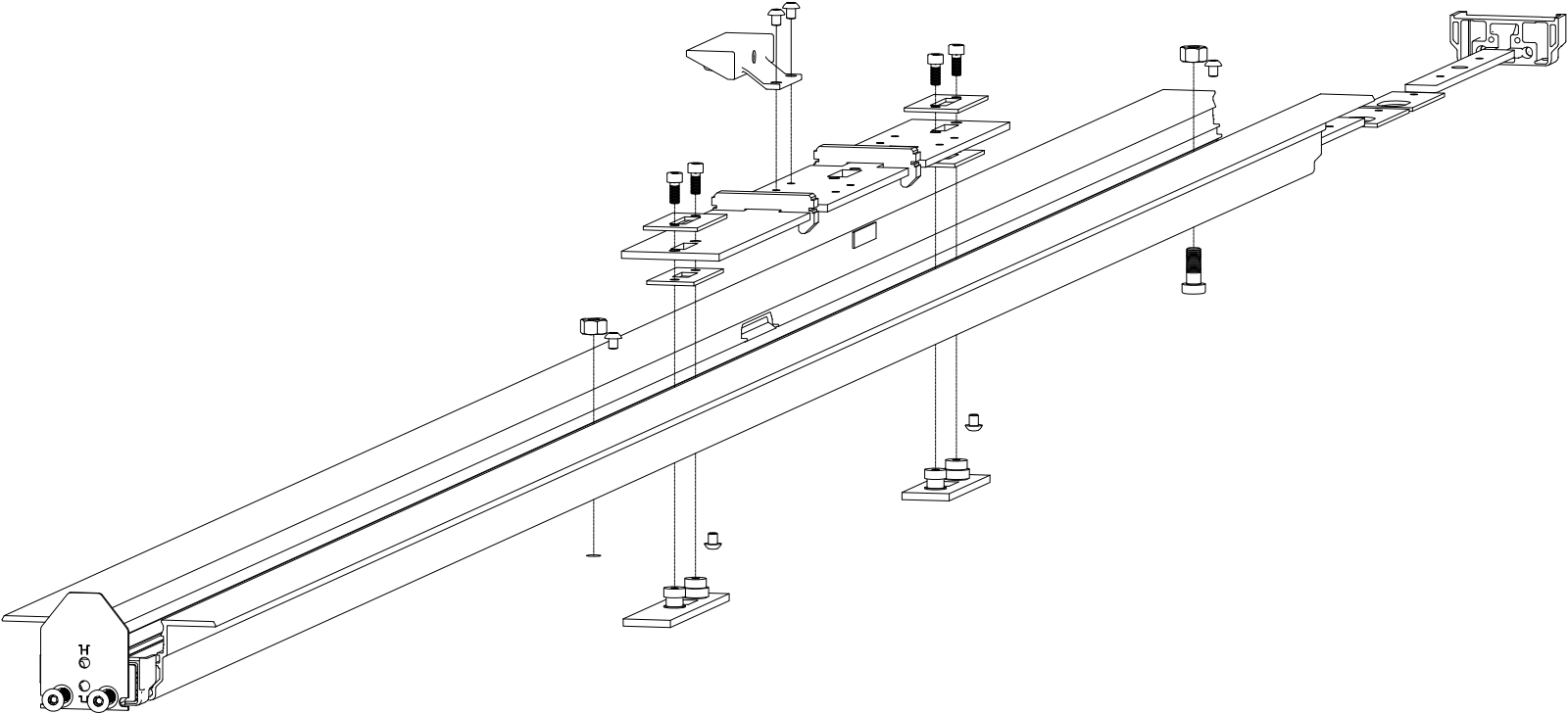
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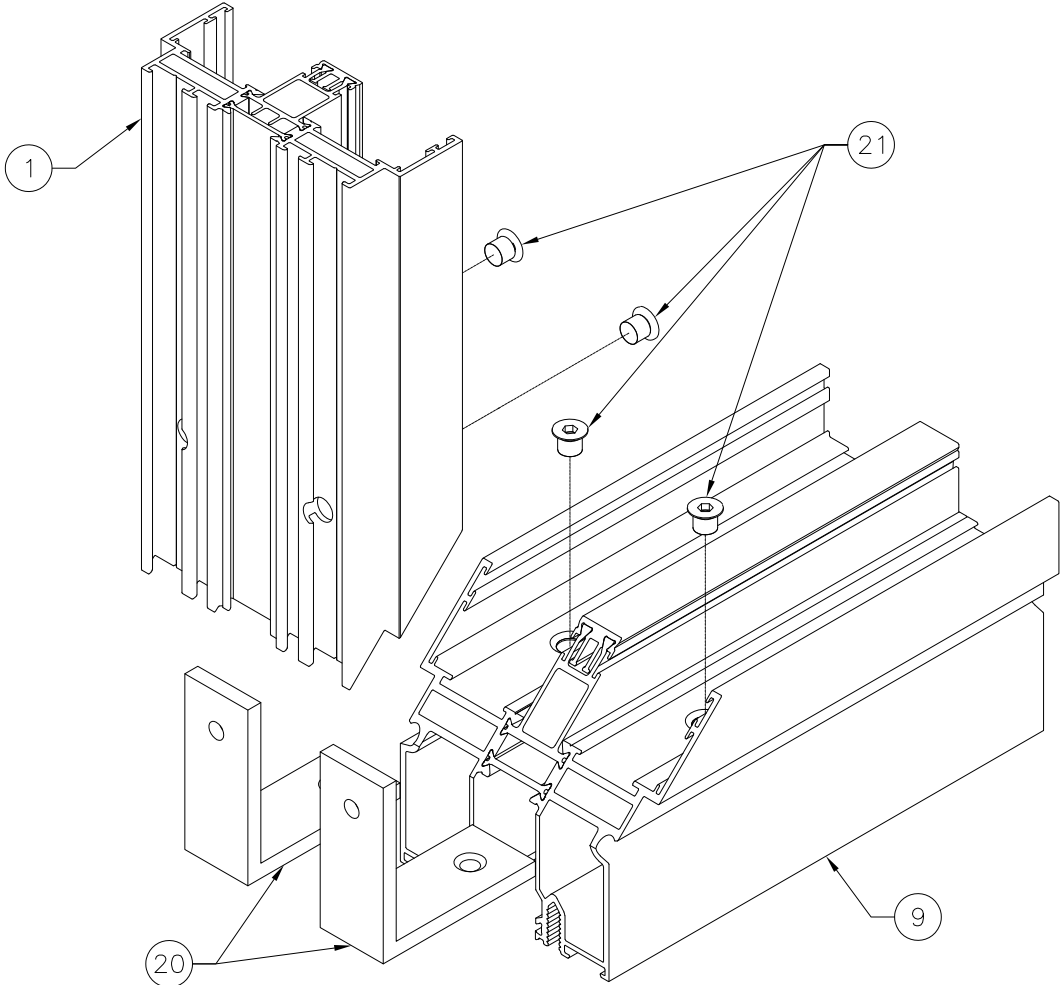
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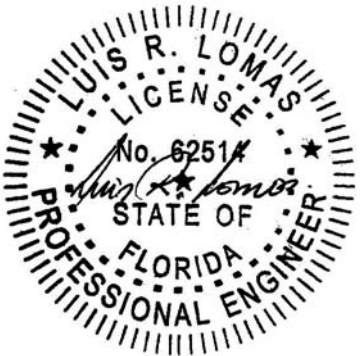
4 **LOCKING PROFILE**
LOCK HARDWARE MODEL
SF2 RV



CORNER JOINT
ALUMINUM 6063-T6 .098 THICK

SIGNED: 11/29/2023

SKY-FRAME INC. LANGFELDSTRASSE 111 FRAUENFELD, SWITZERLAND CH-8500		
SERIES SKY-FRAME 2 ALUMINUM SGD - IMPACT COMPONENTS		
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