

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	08/16/2023	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. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION 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: EXTRUDED RIGID PVC.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 3 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 #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS 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 .048” THICK MINIMUM

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
3	CROSS SECTIONS, GLAZING DETAILS AND B.O.M.
4 – 7	INSTALLATION DETAILS
8	COMPONENTS

LAS ENTERPRISES
2413 L & A ROAD
METAIRIE, LA 70001

SERIES 4100 HORIZONTAL SLIDER WEATHERGARD III
VINYL WINDOW 74” x 63” – IMPACT HVHZ
NOTES

DRAWN:
J.L.

DWG NO.
08–02276

REV
C

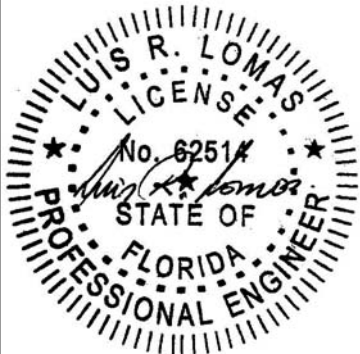
SCALE NTS

DATE 01/28/11

SHEET 1 OF 8

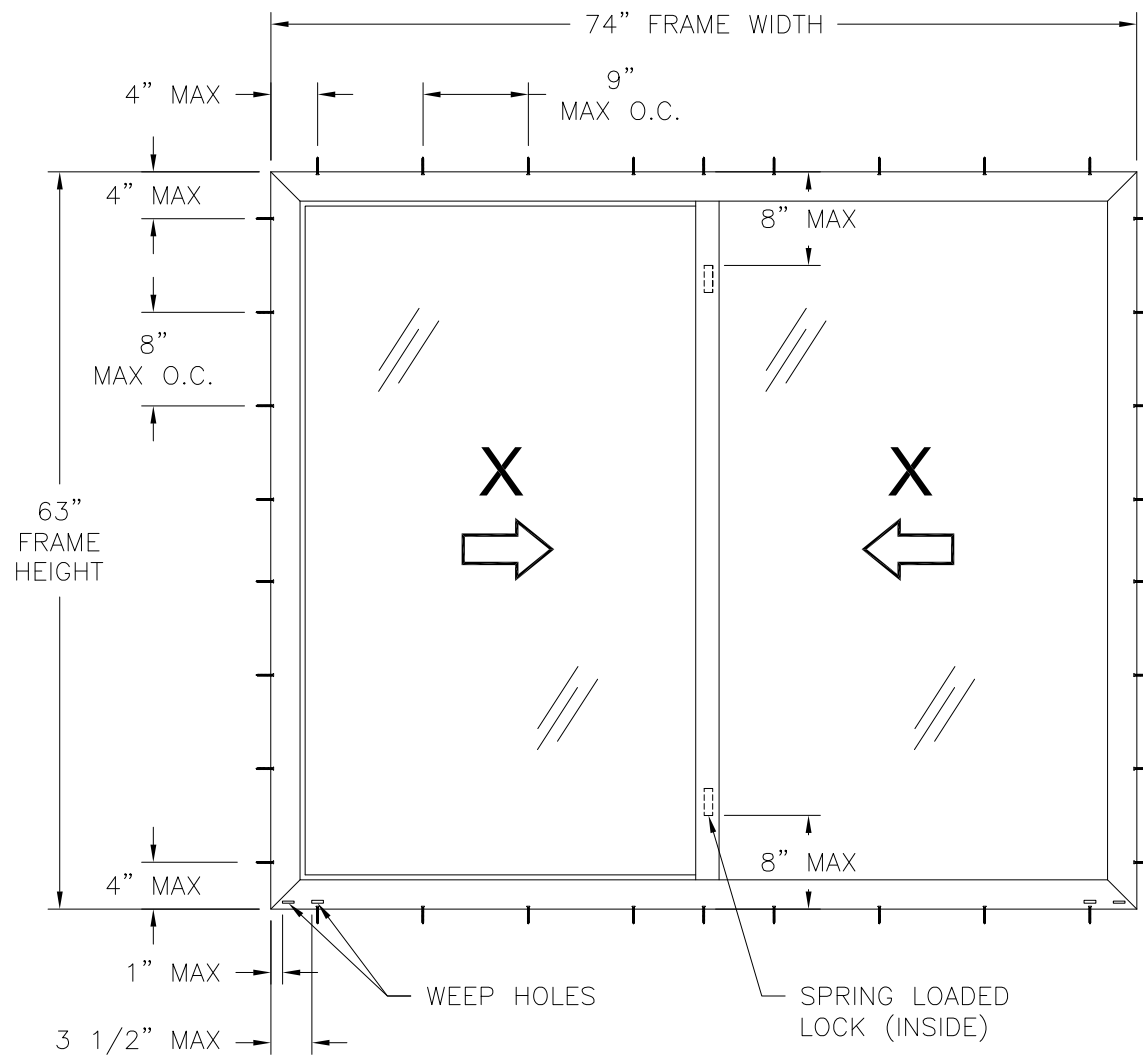
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/26/2023

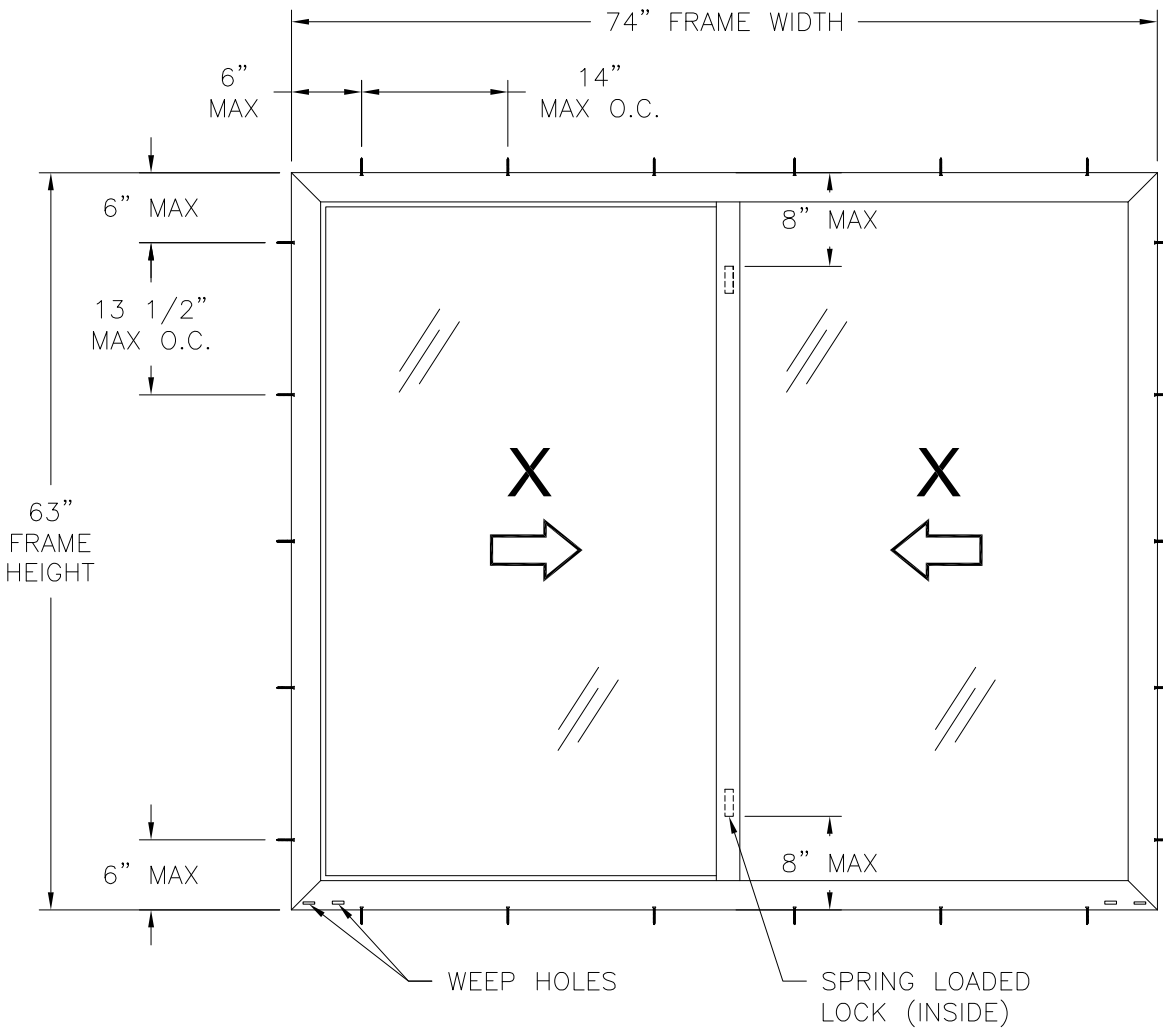


Luis R. Lomas P.E.
FL No.: 62514

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4100 HORIZONTAL SLIDER WEATHERGARD III
EXTERIOR VIEW STRAP INSTALLATION



4100 HORIZONTAL SLIDER WEATHERGARD III
EXTERIOR VIEW FRAME FLUSH INSTALLATION

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

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ

NOTES:

- SASH SIZE: 36 1/8" x 60 1/4"
- D.L.O.: 33 3/16" x 57 7/8"

WEEP HOLE LOCATIONS:

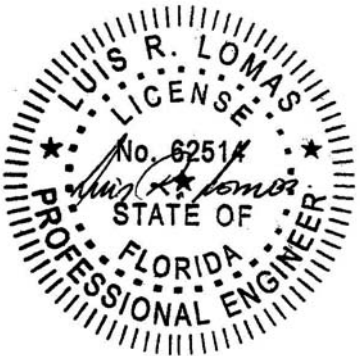
- 7/8" X 3/16" WEEP HOLES LOCATED 1 3/4" FROM EACH END OF INTERIOR SILL TRACK.
- 5/8" X 1/8" WEEP HOLES LOCATED 3" FROM EACH END OF SCREEN RETAINER TRACK AND 3" FROM EACH END OF BOTTOM RAIL.
- 7/8" X 1/4" WEEP HOLE WITH WEEP COVER LOCATED 4" FROM EACH END OF EXTERIOR SILL FACE.
- 3/4" X 3/16" WEEP HOLE LOCATED 3" FROM EACH END OF EXTERIOR SILL FACE.
- 3/4" X 1/8" WEEP HOLE LOCATED 1 7/8" FROM EACH END OF EXTERIOR SILL TRACK.

HARDWARE SCHEDULE

A.	(1) METAL SPRING LOADED LOCK AT 8" FROM EACH END OF INTERIOR MEETING STILE WITH METAL KEEPERS
B.	(1) INTERLOCKING TILT LATCH AT TOP OF EACH STILE WITH METAL KEEPER
C.	(1) DOUBLE METAL ROLLER / PLASTIC HOUSING AT EACH END OF BOTTOM RAILS
D.	(1) EXTRUDED ALUMINUM REINFORCEMENT BAR AT ALL PANEL MEMBER HOLLOW

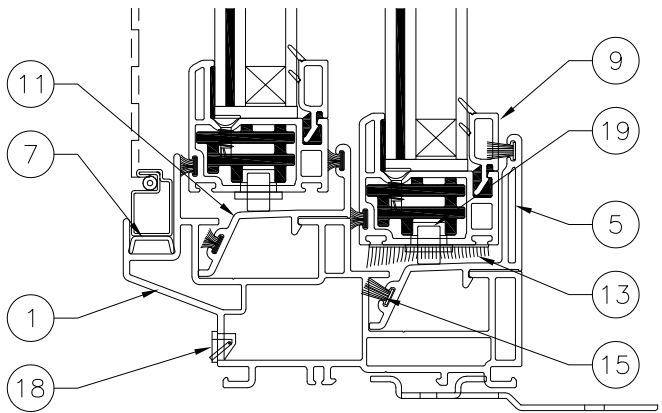
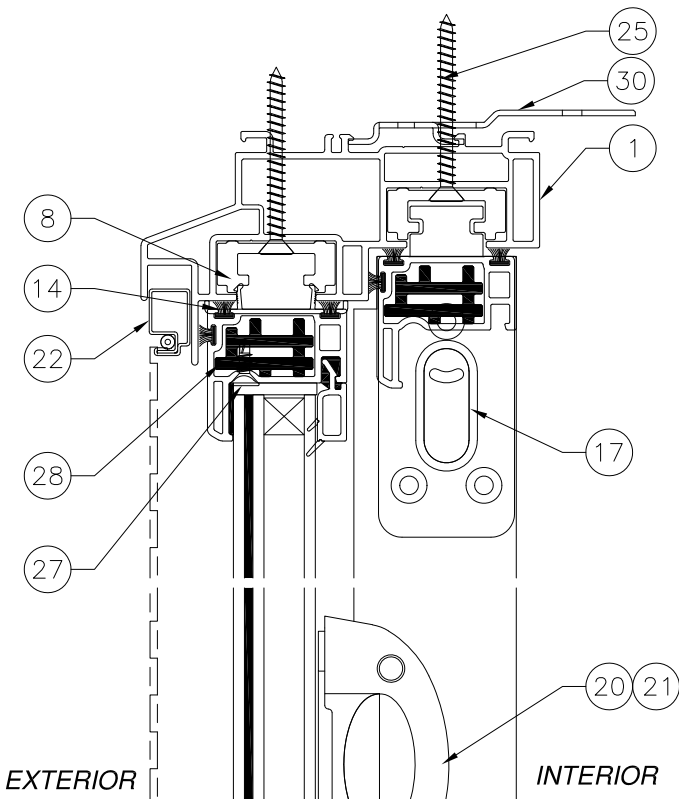
LAS ENTERPRISES 2413 L & A ROAD METAIRIE, LA 70001		
SERIES 4100 HORIZONTAL SLIDER WEATHERGARD III VINYL WINDOW 74" x 63" – IMPACT HVHZ ELEVATIONS		
DRAWN: J.L.	DWG NO. 08-02276	REV C
SCALE NTS	DATE 01/28/11	SHEET 2 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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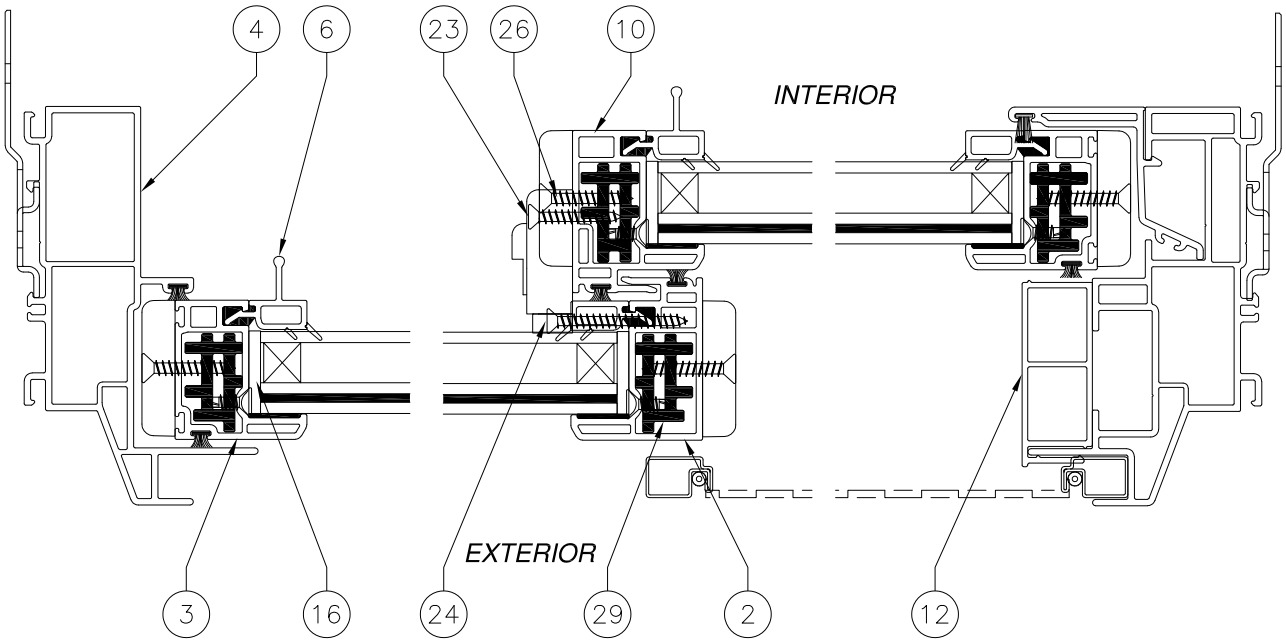


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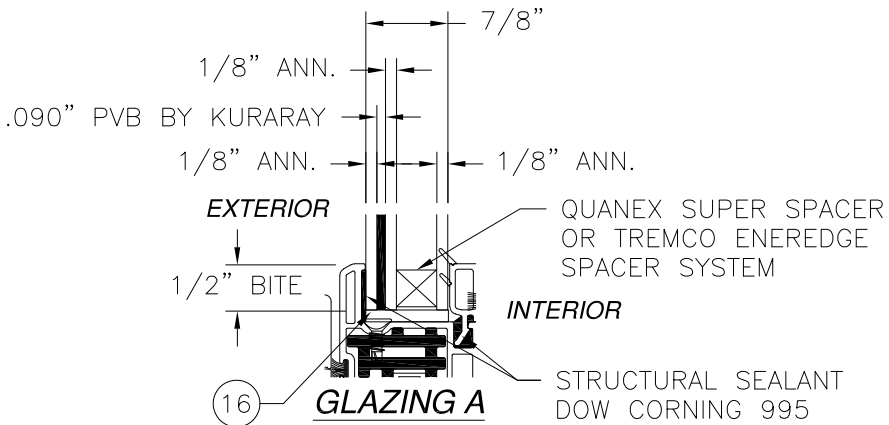
PARTS LIST		
NO.	PART NUMBER	DESCRIPTION
1	4006	FRAME, PVC
2	4080A	EXTERIOR INTERLOCK, PVC
3	4027A	SASH FRAME, PVC
4	4011	JAMB, PVC
5	4219	SILL ADAPTER, PVC
6	4022	7/8" GLAZING BEAD, PVC
7	4030	SCREEN SPACER
8	4010	SASH STOP, PVC
9	4013	7/8" GLAZING BEAD, PVC
10	4084A	INTERIOR INTERLOCK, PVC
11	4019	SILL ADAPTER, PVC
12	3363A	JAMB ADAPTER, PVC
13	DPAB	WEATHERSTRIP 1.062-200FIN, SCHLEGEL
14	HF-7320-187	WEATHERSTRIP (SCHLEGEL)
15	PB-8830-187	WETHERSTRIP (SCHLEGEL)
16	23x25.4x3.2	SETTING BLOCK (80 DUROMETER)
17	Q4060	TILT LATCH
18	97-03-00-00	VALVE (GEARMOLD)
19	4076	ROLLERS
20	SL047500	LOCK (ROTO)
21	SL047550	KEEPER (ROTO)
22		7/16" SCREEN FRAME
23		LOCK SCREWS FH #6 X 1"
24		KEEPER SCREWS FH #6 X 1 1/2"
25		RECEPTACLE SCREWS FH #10 X 2"
26		TILT LATCH SCREWS FH #8 X 1"
27		REINFORCEMENT SCREWS FH #8 X 1/2"
28	A110-02M096	SASH REINFORCEMENT, ALUMINUM 6063-T5
29	A111-02M096	MEETING RAIL REINFORCEMENT,ALUMINUM 6063-T5
30	4560	INSTALLATION STRIP STEEL G60



VERTICAL SECTION



HORIZONTAL SECTION



LAS ENTERPRISES

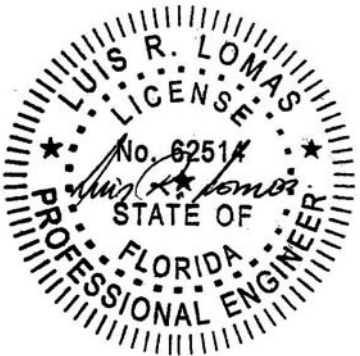
2413 L & A ROAD
METAIRIE, LA 70001

SERIES 4100 HORIZONTAL SLIDER WEATHERGARD III
VINYL WINDOW 74" x 63" - IMPACT HVHZ
CROSS SECTIONS, GLAZING DETAIL AND B.O.M.

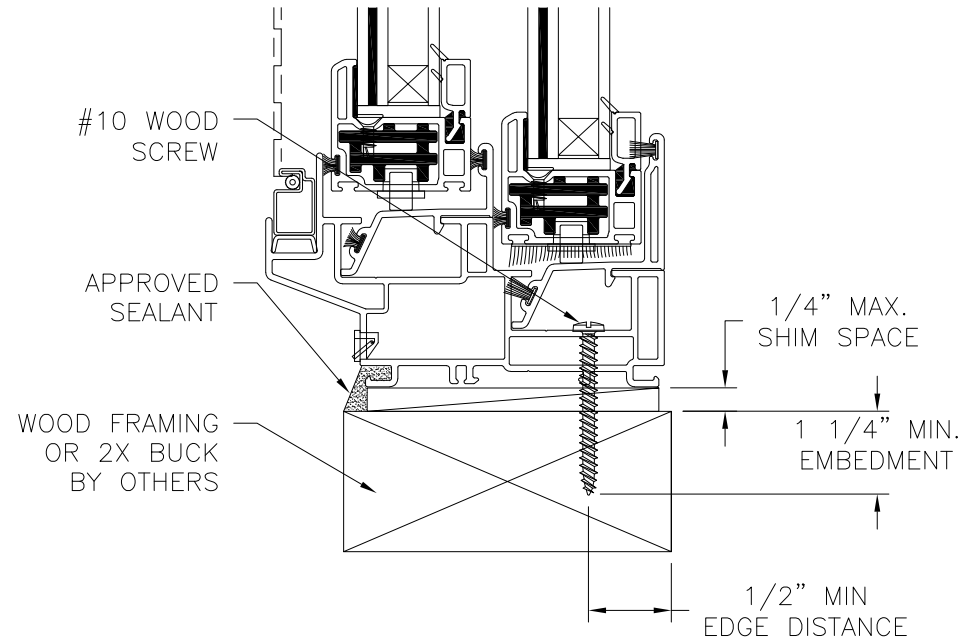
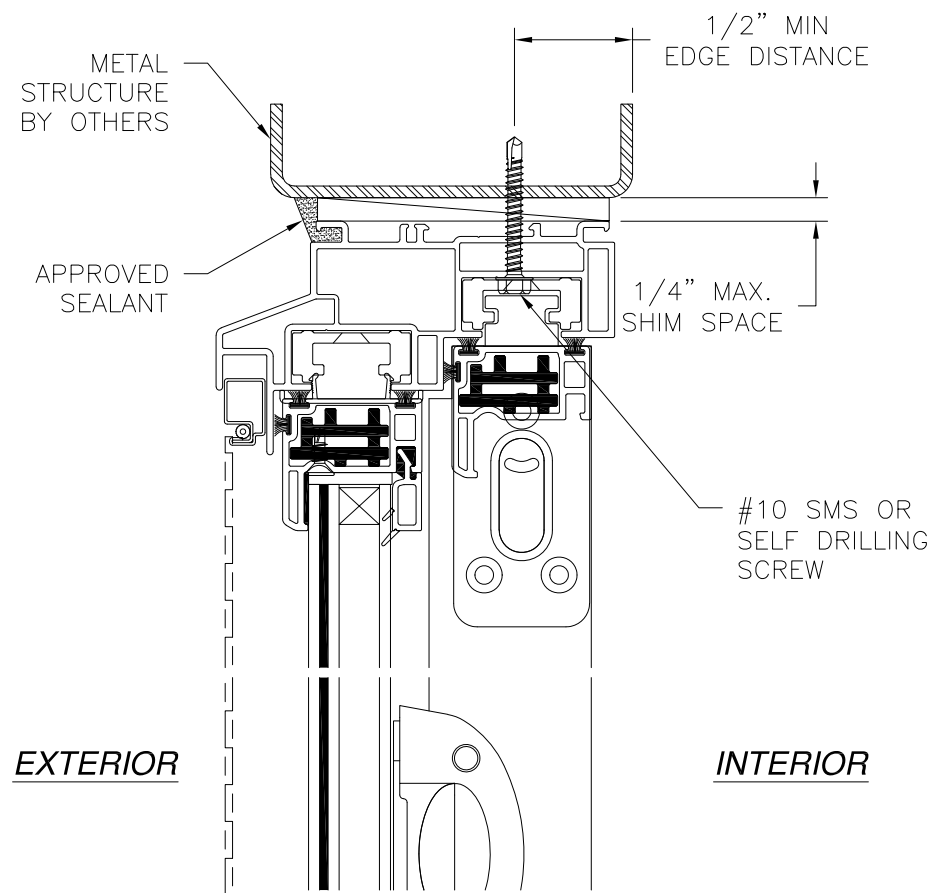
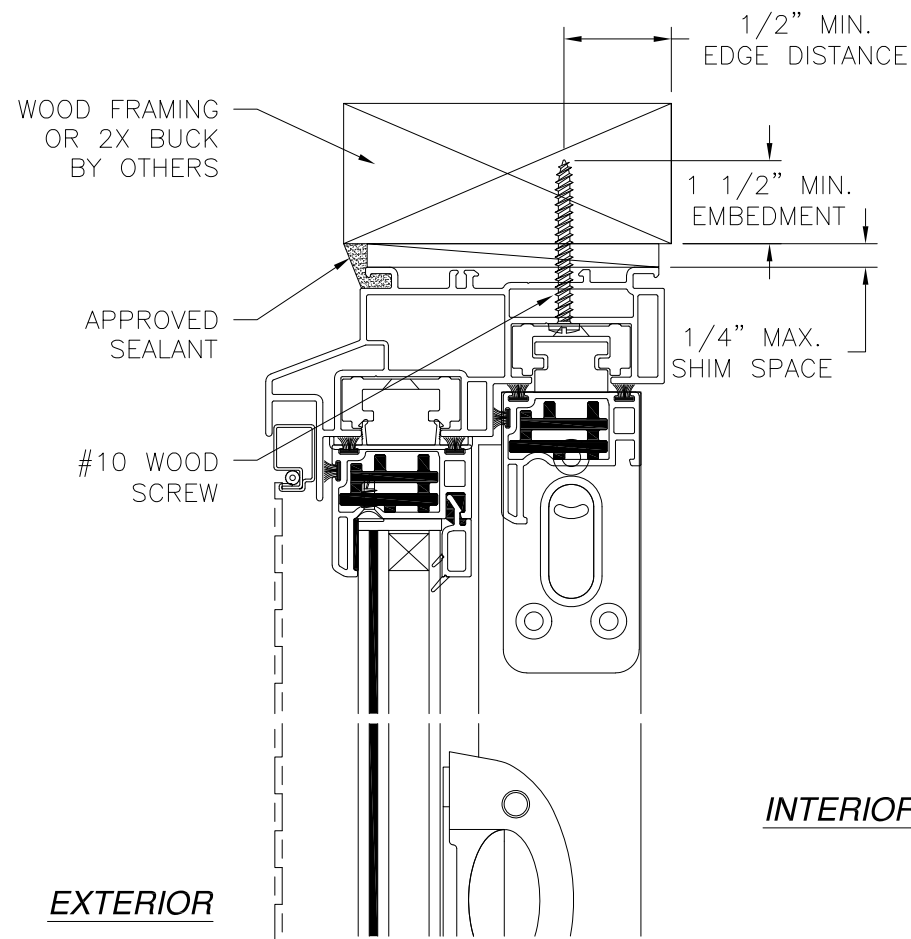
DRAWN: J.L.	DWG NO. 08-02276	REV C
SCALE NTS	DATE 01/28/11	SHEET 3 OF 8

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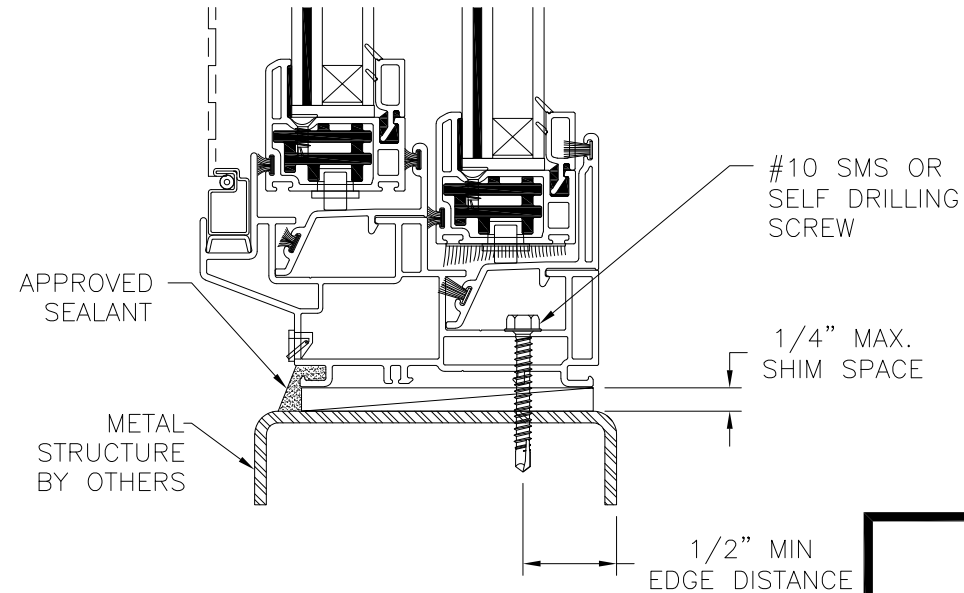
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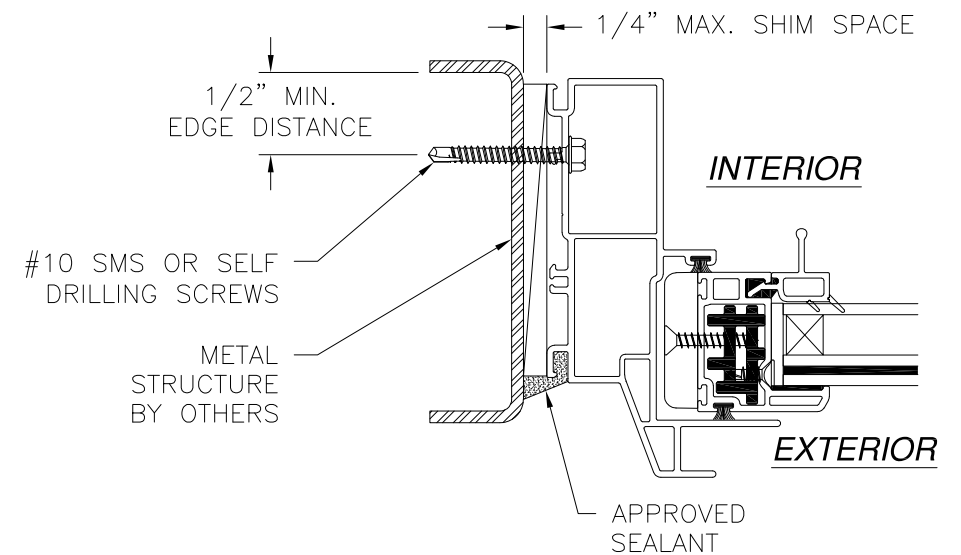
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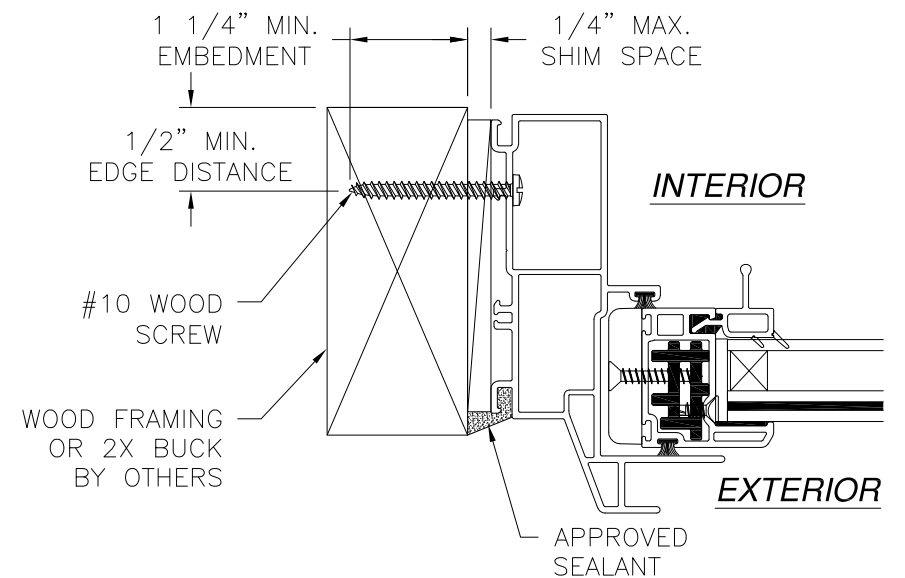
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION **SIGNED: 10/26/2023**

- 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

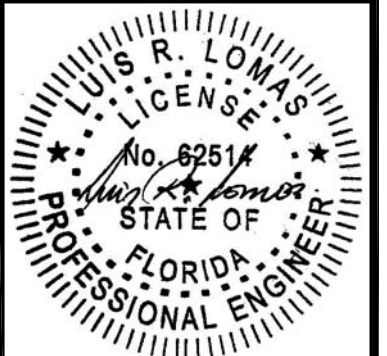
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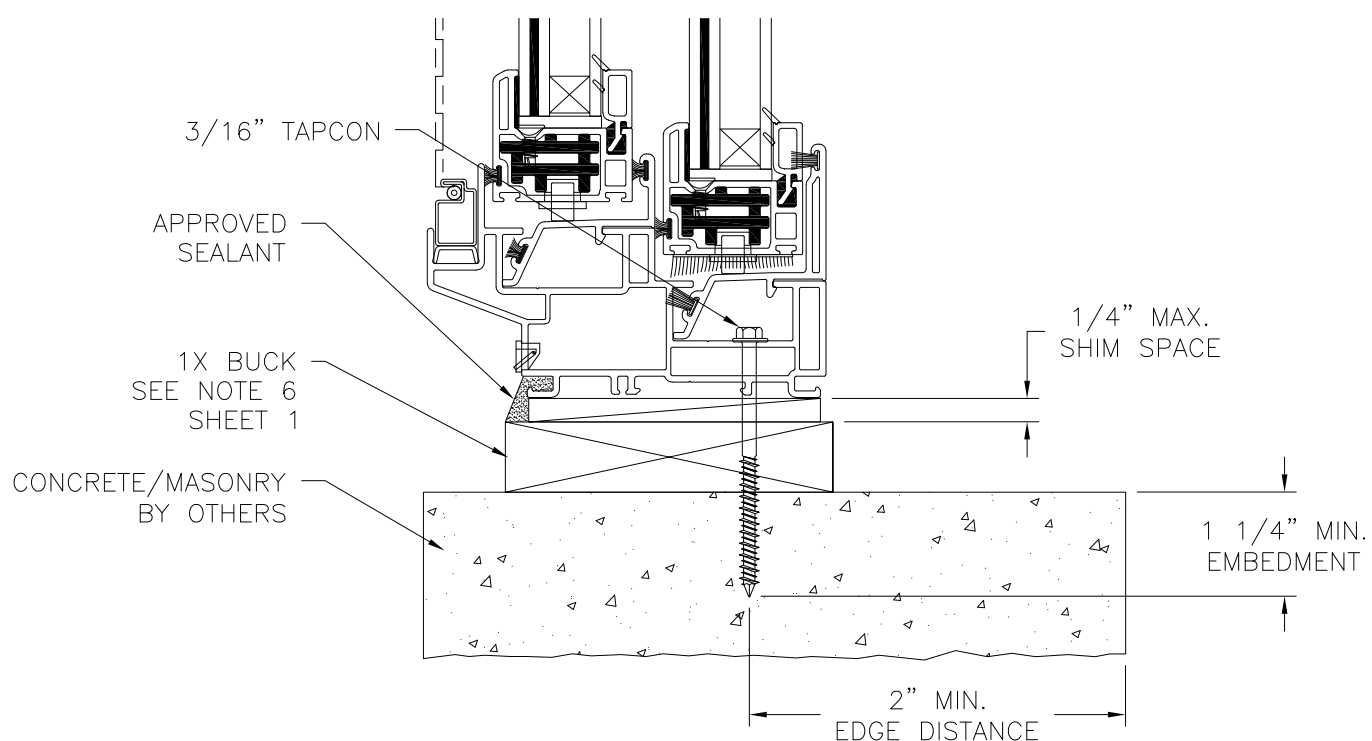
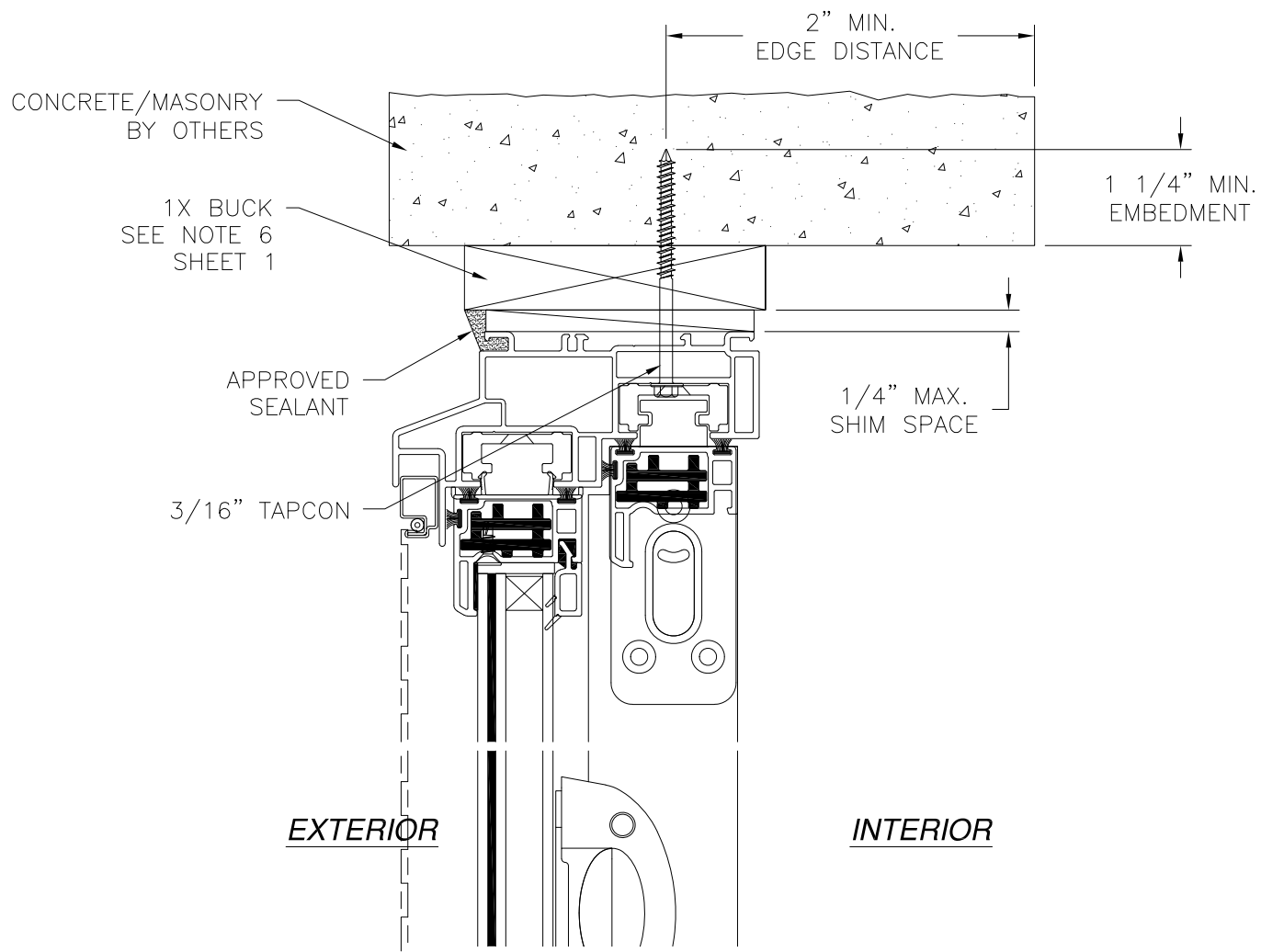
SERIES 4100 HORIZONTAL SLIDER WEATHERGARD III
VINYL WINDOW 74" x 63" – IMPACT HVHZ
FRAME INSTALLATION DETAILS

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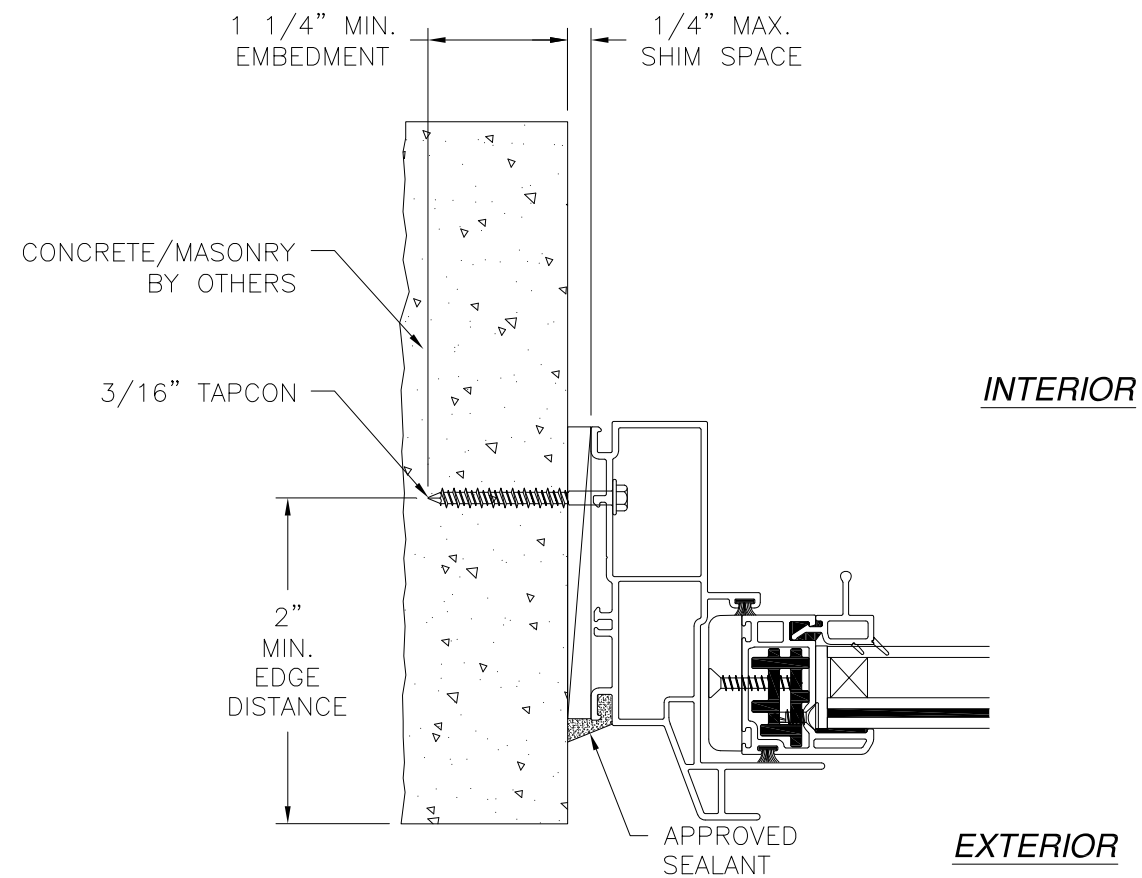


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FL No.: 62514



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

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VINYL WINDOW 74" x 63" – IMPACT HVHZ
FRAME INSTALLATION DETAILS

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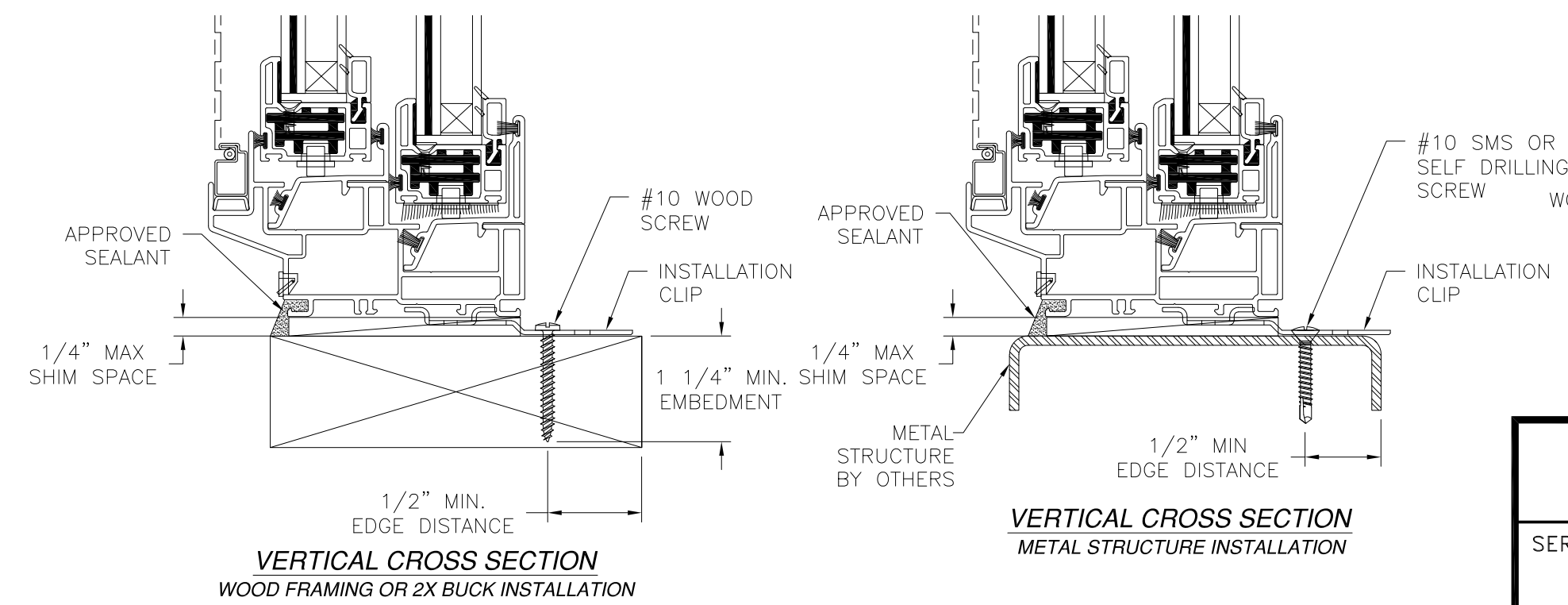
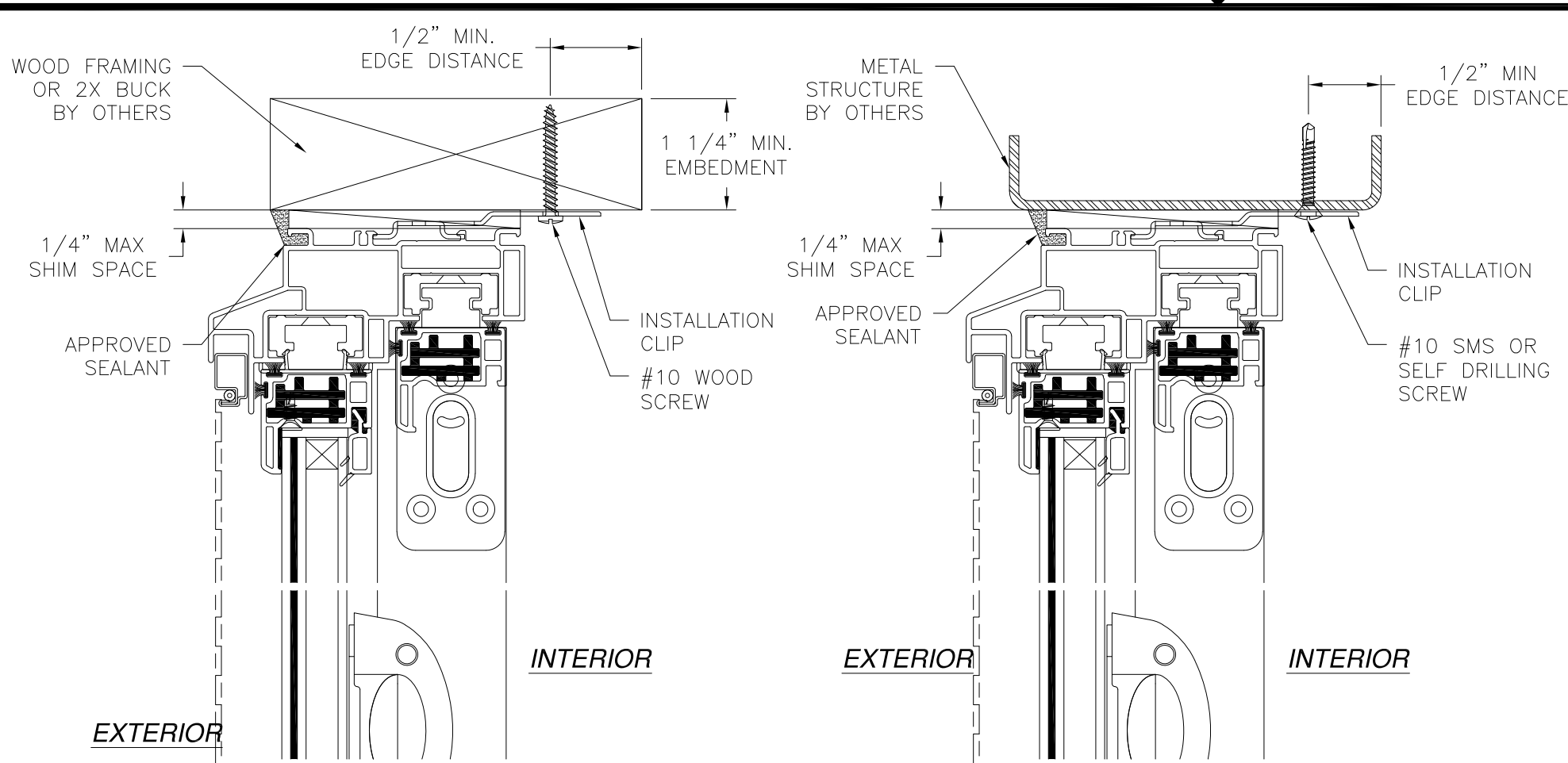
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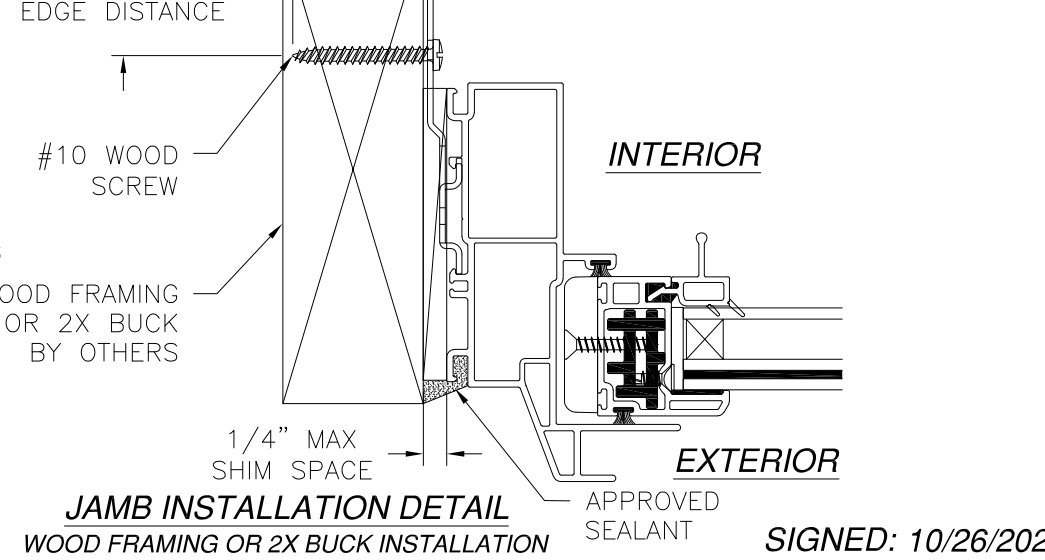
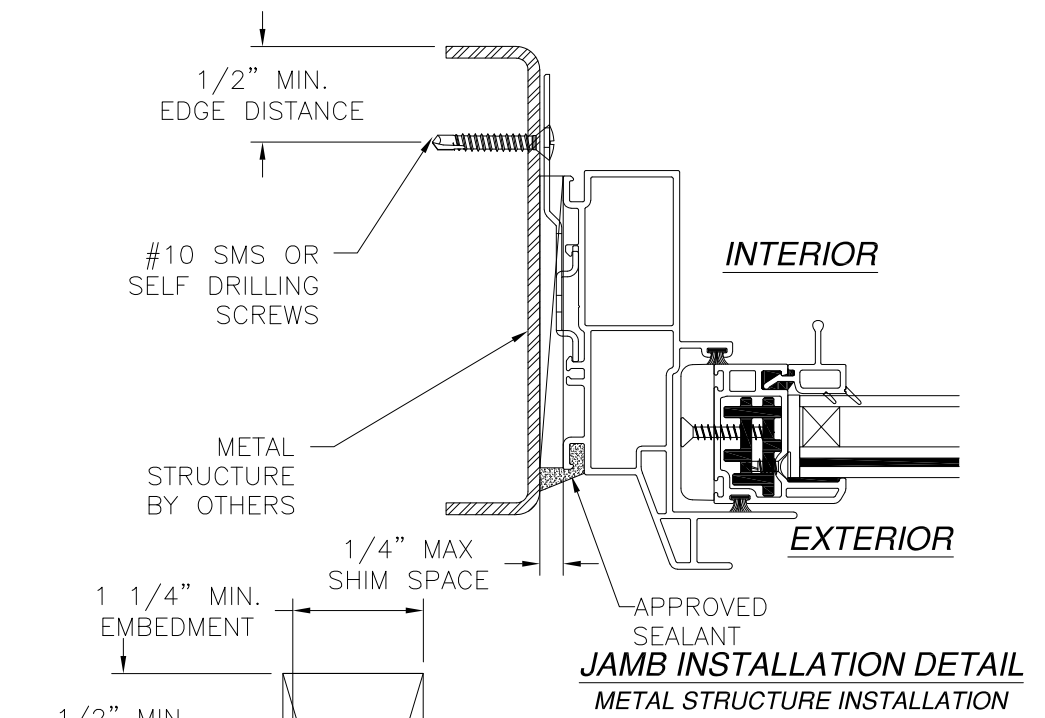
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SERIES 4100 HORIZONTAL SLIDER WEATHERGARD III
VINYL WINDOW 74" x 63" – IMPACT HVHZ
CLIP INSTALLATION DETAILS

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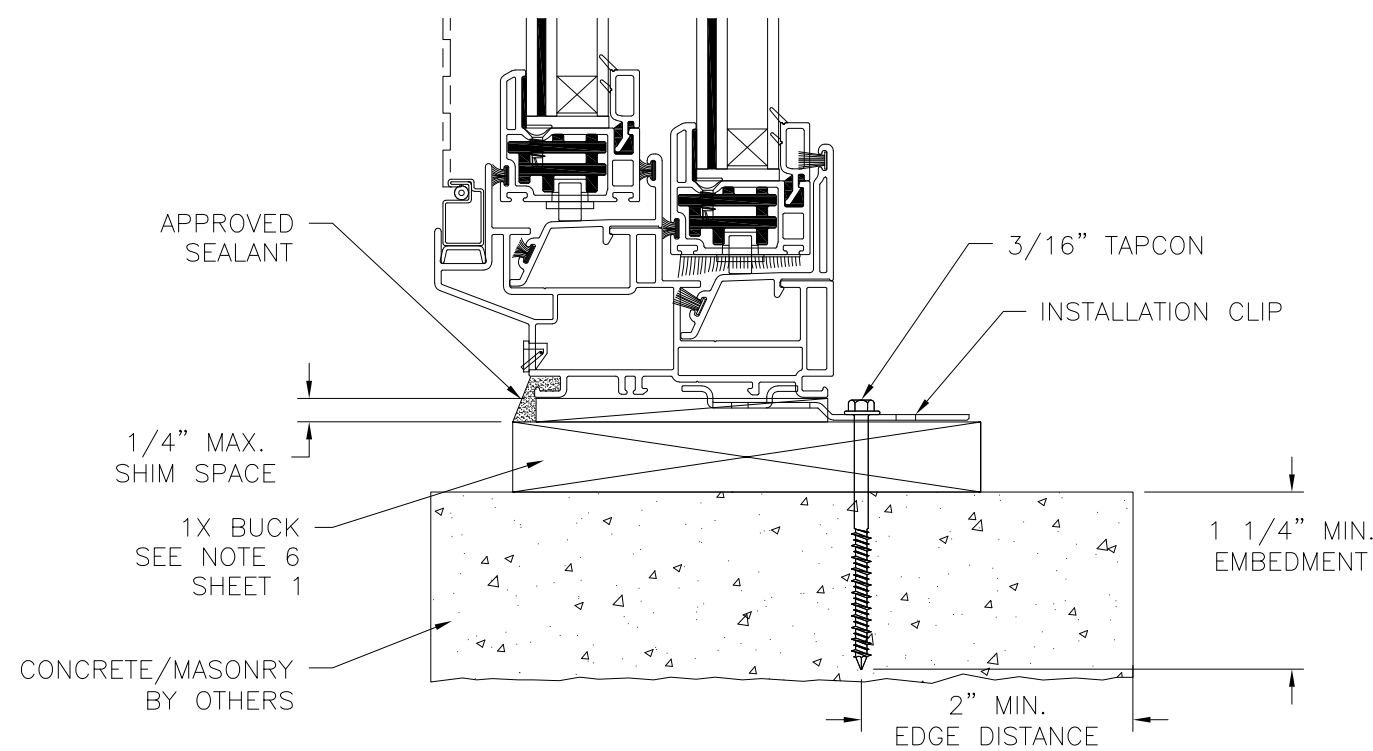
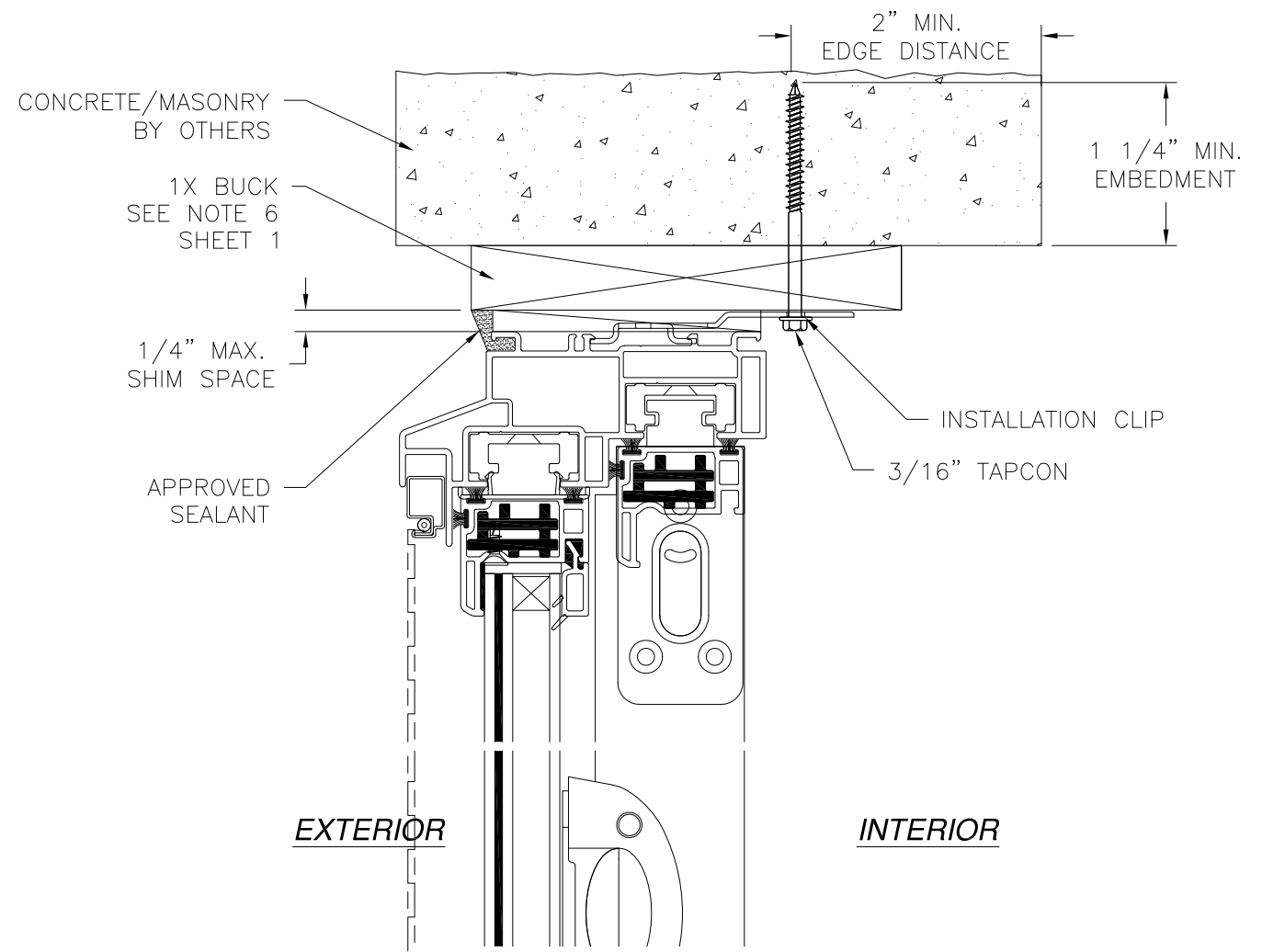
SHEET
6 OF 8

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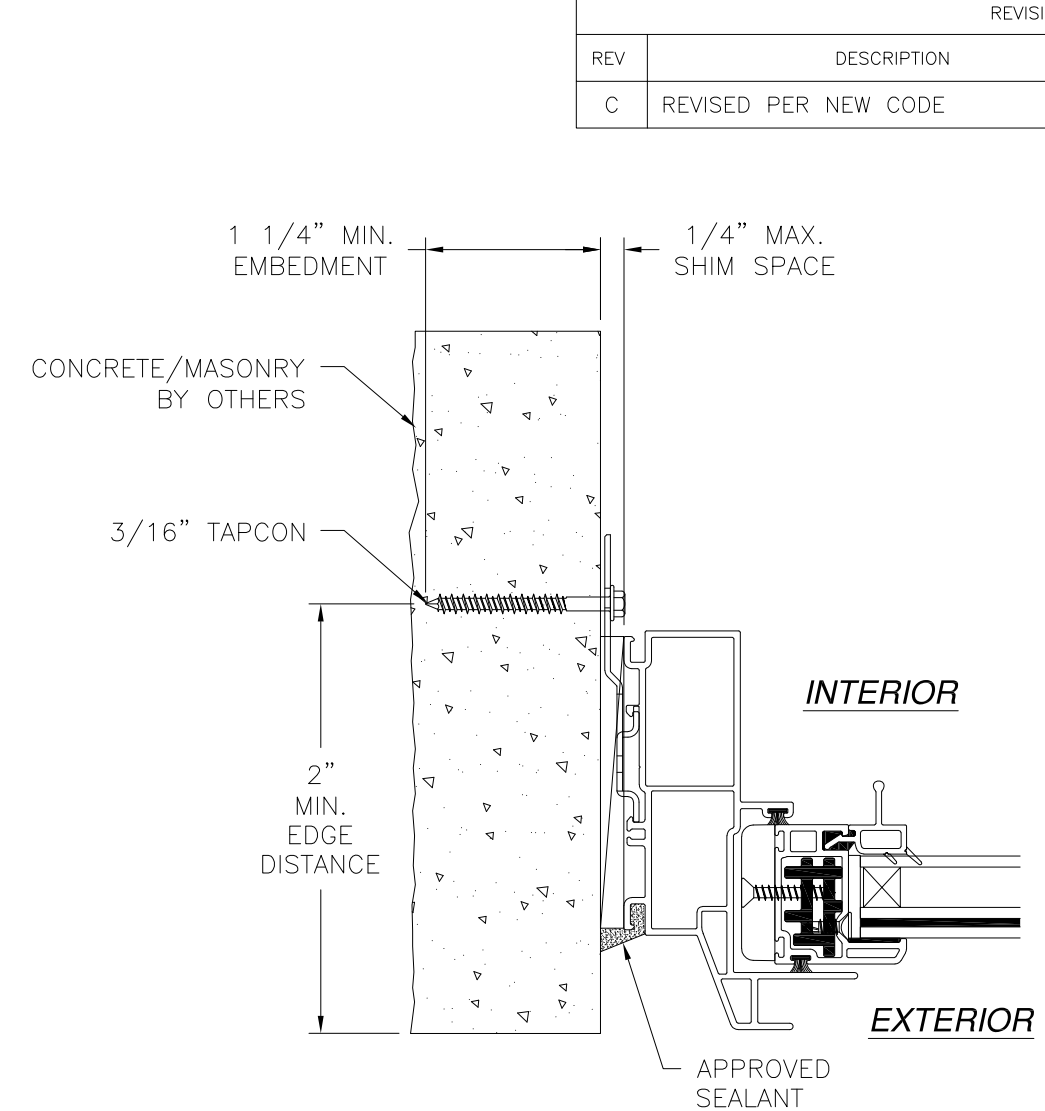
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VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL



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

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 VINYL WINDOW 74" x 63" – IMPACT HVHZ
 CLIP INSTALLATION DETAILS

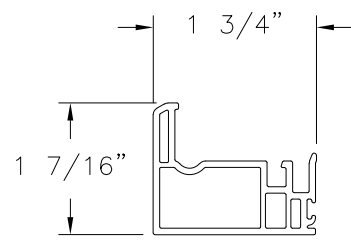
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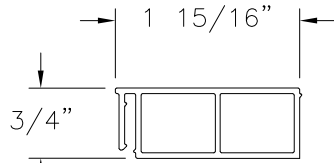
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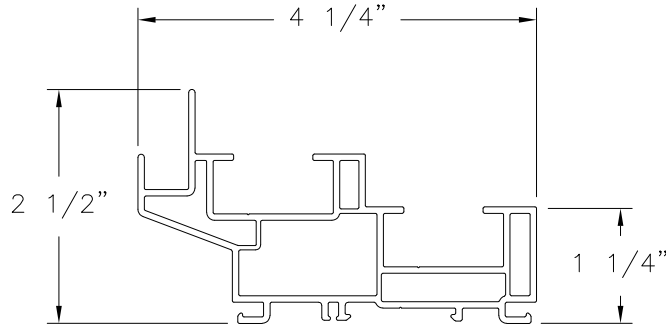
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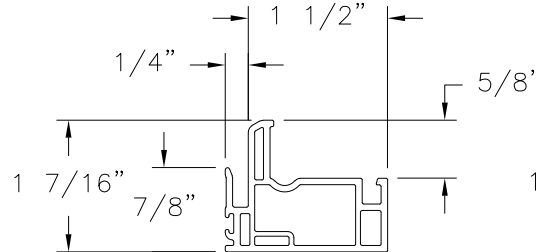
② **EXTERIOR INTERLOCK**
VINYL PVC .069 THICK



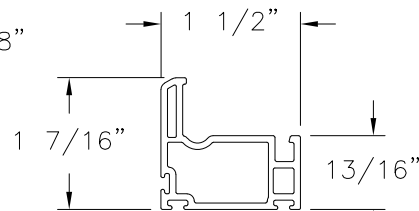
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VINYL PVC .059 THICK



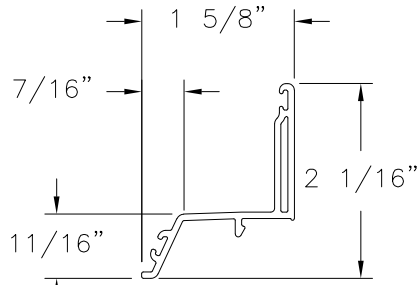
① **FRAME**
VINYL PVC .069 THICK



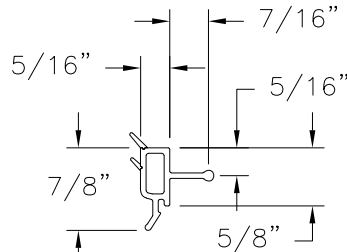
⑩ **INTERIOR INTERLOCK**
VINYL PVC .069 THICK



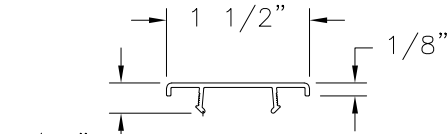
③ **SASH FRAME**
VINYL PVC .069 THICK



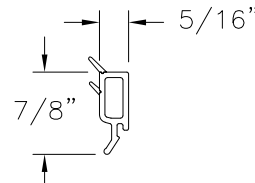
⑤ **SILL ADAPTER**
VINYL PVC .069 THICK



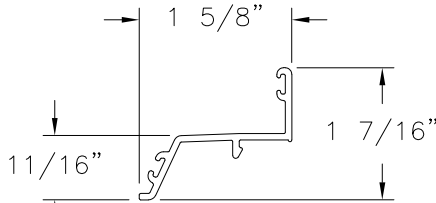
⑥ **7/8" GLAZING BEAD**
VINYL PVC .059 THICK



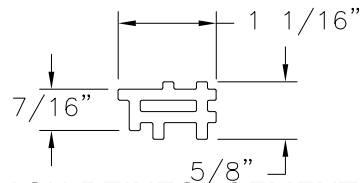
⑧ **SASH STOP**
VINYL PVC .047 THICK



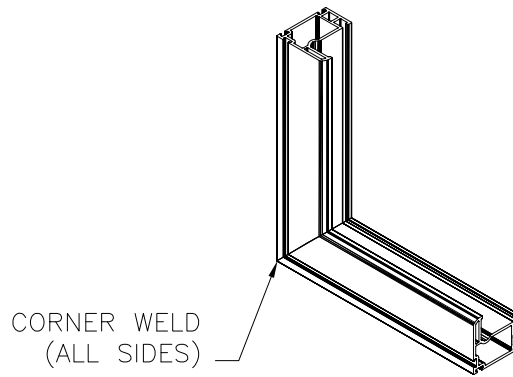
⑨ **7/8" GLAZING BEAD**
VINYL PVC .059 THICK



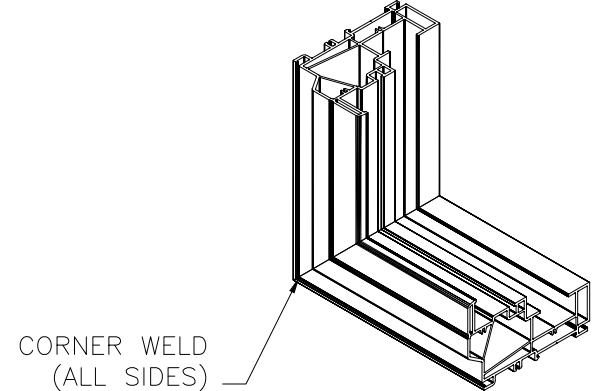
⑪ **SILL ADAPTER**
VINYL PVC .069 THICK



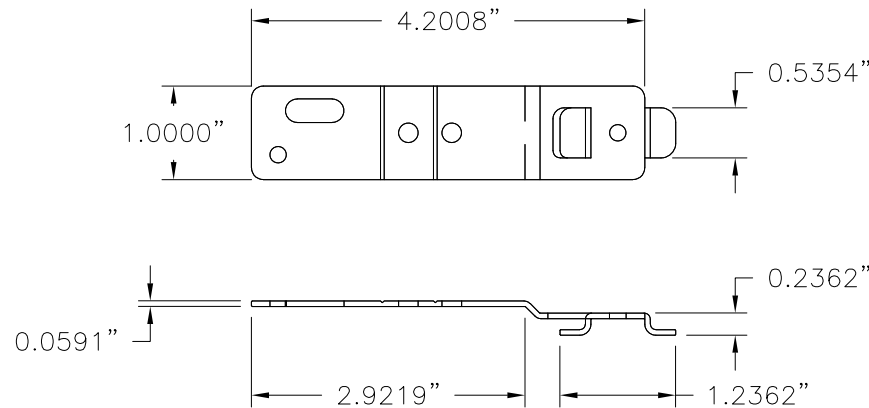
⑳ **SASH REINFORCEMENT**
AL 6063-T5 .118 THICK



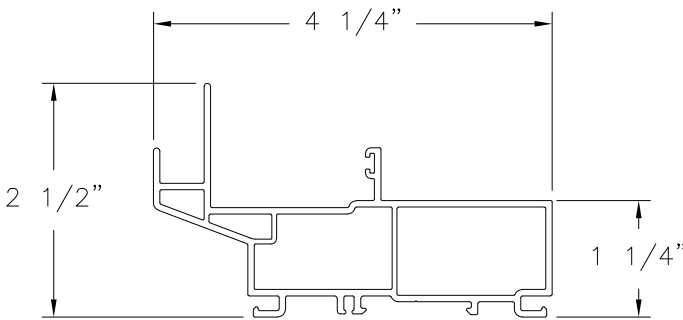
**SASH CORNER
CONSTRUCTION**



**FRAME CORNER
CONSTRUCTION**



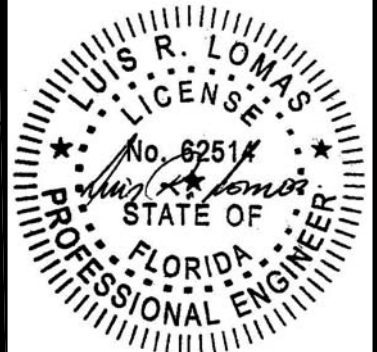
③① **INSTALLATION STRIP**
GALVANIZED STEEL G60



④ **JAMB**
VINYL PVC .069 THICK

LAS ENTERPRISES 2413 L & A ROAD METAIRIE, LA 70001		
SERIES 4100 HORIZONTAL SLIDER WEATHERGARD III VINYL WINDOW 74" x 63" – IMPACT HVHZ COMPONENTS		
DRAWN: J.L.	DWG NO. 08-02276	REV C
SCALE NTS	DATE 01/28/11	SHEET 8 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/26/2023



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