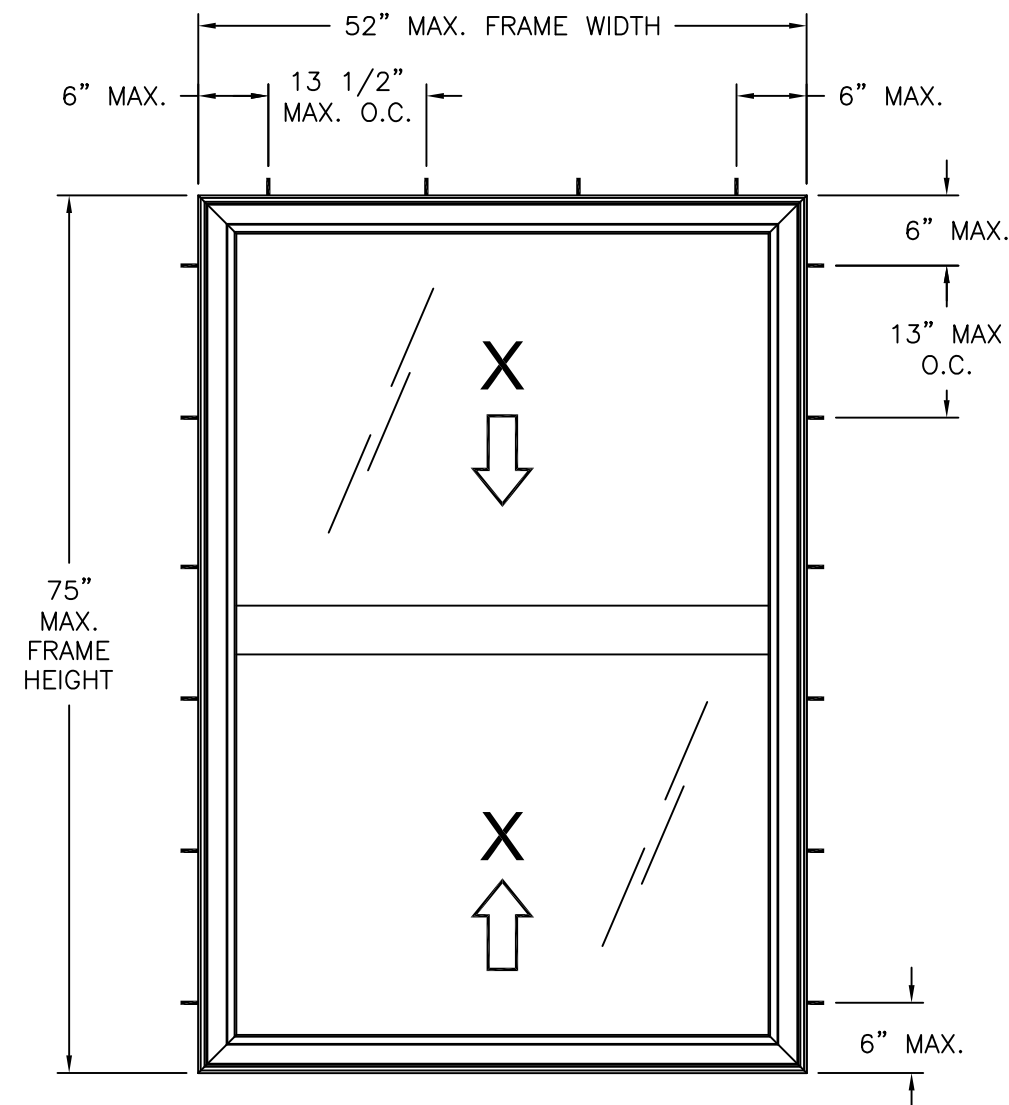




5100 DH NON - IMPACT HVHZ
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±60PSF	NONE

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATION, ANCHORING AND NOTES
2	CROSS SECTIONS AND B.O.M.
3 - 8	INSTALLATION DETAILS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED ANCHORS	04/04/17	R.L.

NOTES:

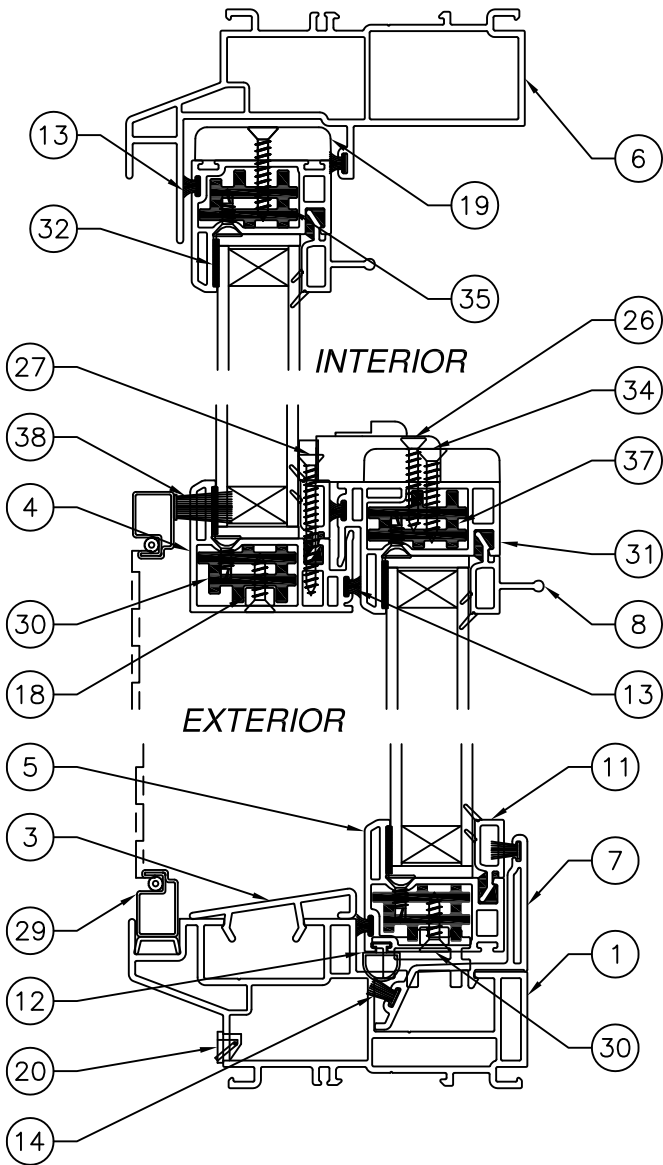
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. 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.
4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. FRAME MATERIAL: EXTRUDED RIGID PVC.
6. UNITS MUST BE GLAZED PER ASTM E1300-04/09. FOR HVHZ, EXTERIOR LITE IN AN INSULATED GLASS UNIT SHALL BE SAFETY GLAZED.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1/4" MINIMUM EMBEDMENT BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. 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 3,000 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, WITH Fm= 2,000 PSI.
 - D. METAL STRUCTURE: STEEL 18GA (.048), 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM.

SIGNED: 04/04/2017

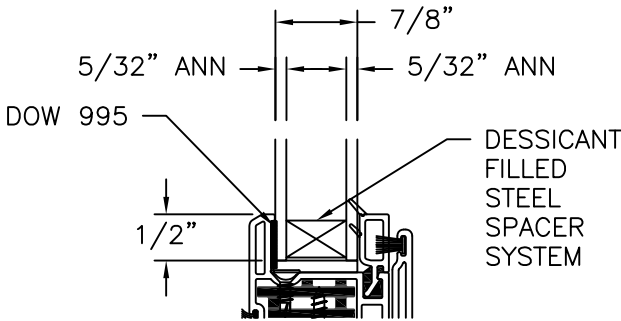
VIWINTech 2400 IRVIN COBB DRIVE PADUCAH, KY 42003		
5100 DH NON - IMPACT HVHZ 52" x 75" ELEVATION AND NOTES		
DRAWN: V.L.	DWG NO. 08-01317	REV C
SCALE NTS	DATE 07/29/11	SHEET 1 OF 8
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

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

PARTS LIST		
NO.	PART NUMBER	DESCRIPTION
1	4005	SILL FRAME, PVC
2	4006	SILL, PVC
3	4012	EXTERIOR SILL, PVC
4	4080A	OUTSIDE SASH INTERLOCK, PVC
5	4027A	SASH FRAME, PVC
6	4011	HEAD, PVC
7	4219	SILL ADAPTER, PVC
8	4022	7/8" GLAZING BEAD, PVC
9	4030	SCREEN SPACER
10	4010	SASH STOP, PVC
11	4013	7/8" GLAZING BEAD
12	LDB-100109T	WEATHERSTRIP (SCHLEGEL)
13	HF-7320-187	WEATHERSTRIP (SCHLEGEL)
14	PB-8830-187	WEATHERSTRIP (SCHLEGEL)
15	FBZ128-ABC	COIL BALANCE (UNIQUE)
16	FBZ128-ABC	BALANCE SUPPORT (UNIQUE)
17	FS550ET C	TILT SHOE (UNIQUE)
18	FPDC04L	PIVOT BAR (UNIQUE)
19	808-0018	TILT LATCH
20	97-03-00-00	VALVE (GEARMOLD)
21	SL047500	LOCK (ROTO)
22	SL047550	KEEPER (ROTO)
23		7/16" SCREEN FRAME
24		BALANCE SCREWS PH #8 X 1"
25		BALANCE SCREWS PH #8 X 1 1/2"
26		LOCK SCREWS FH #6 X1"
27		KEEPER SCREWS FH #6 X 1 1/2"
28		SETTING BLOCK (80 DUROMETER) 7/8"x1"x1/8"
29		SCREEN SPRING
30		PIVOT SCREWS FH #8 X 1/2"
31	4084A	INSIDE SASH INTERLOCK, PVC
32		DOW 995 SEALANT
33		RECEPTACLE SCREWS FH #10 X2"
34		TILT LATCH SCREWS FH #8 X 1"
35	A110-02M095	SASH REINFORCEMENT ALUMINUM, 6063-T5
36		REINFORCEMENT SCREWS STL #8 X 1/2"
37	A111-02M096	MEETING RAIL REINFORCEMENT ALUMINUM,6063-T5

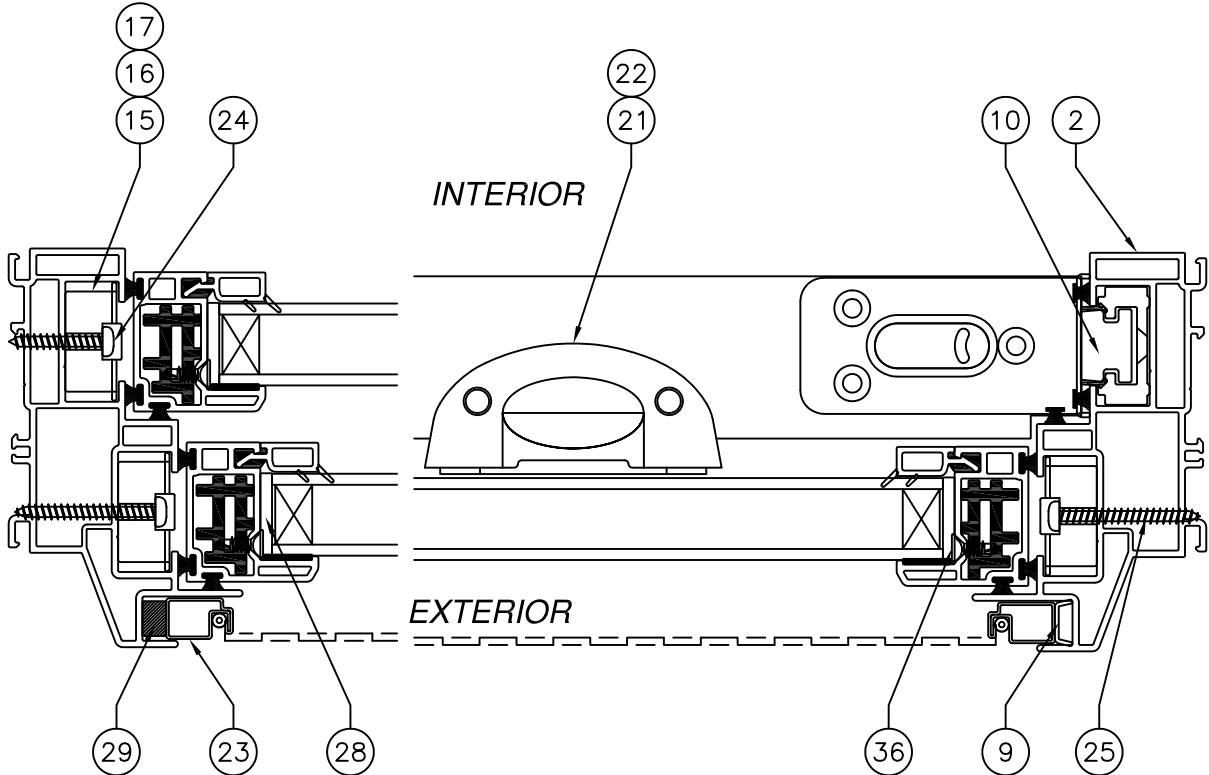


VERTICAL CROSS SECTION



GLAZING DETAIL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED ANCHORS	04/04/17	R.L.



HORIZONTAL CROSS SECTION

VIWINTech

2400 IRVIN COBB DRIVE
PADUCAH, KY 42003

5100 DH NON – IMPACT HVHZ
52" x 75"

CROSS SECTIONS AND B.O.M.

DRAWN: V.L.

DWG NO. 08-01317

REV C

SCALE NTS

DATE 07/29/11

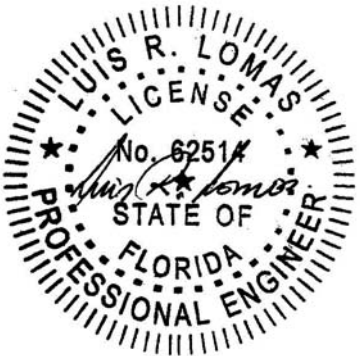
SHEET 2 OF 8

L. ROBERTO LOMAS P.E.

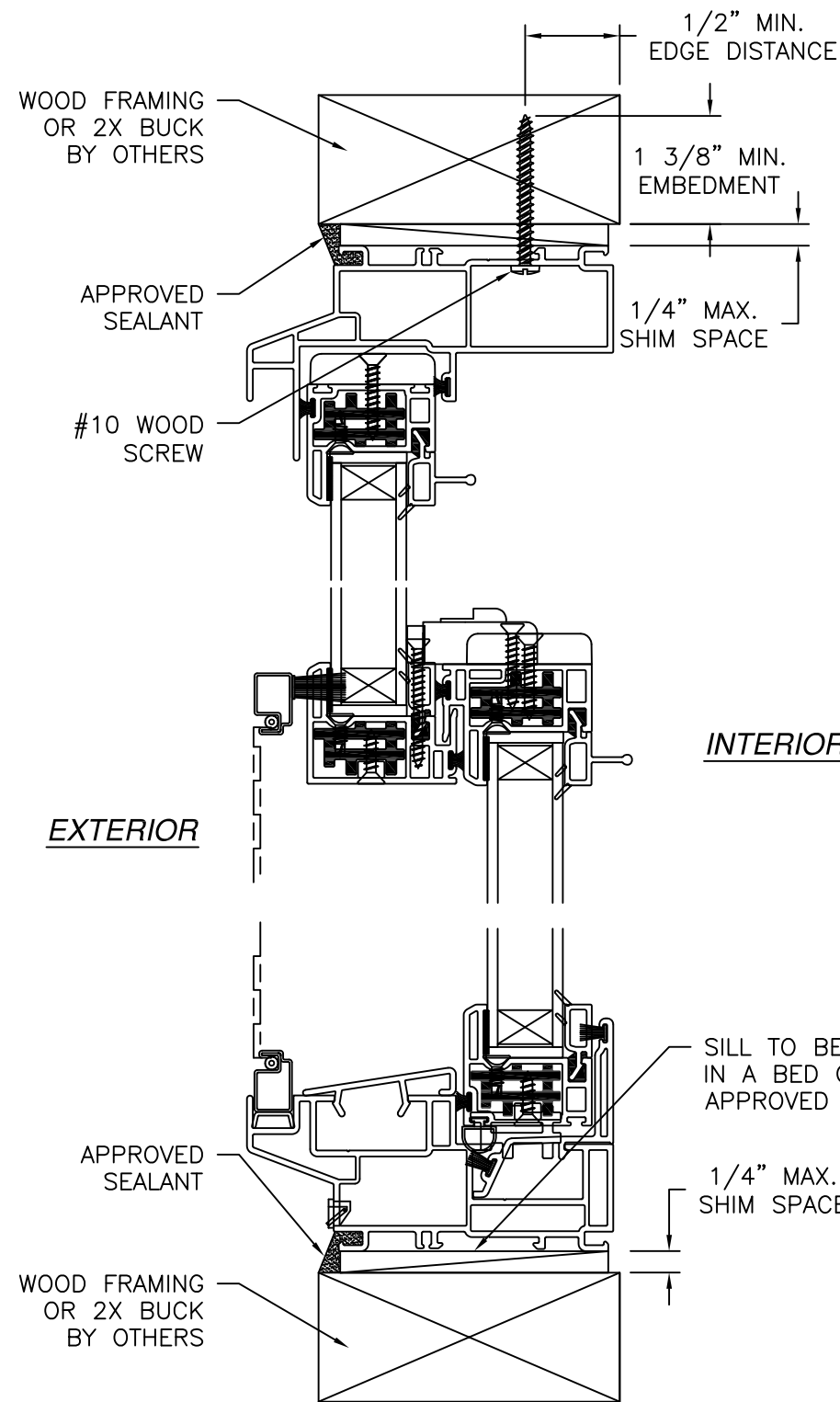
1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 04/04/2017



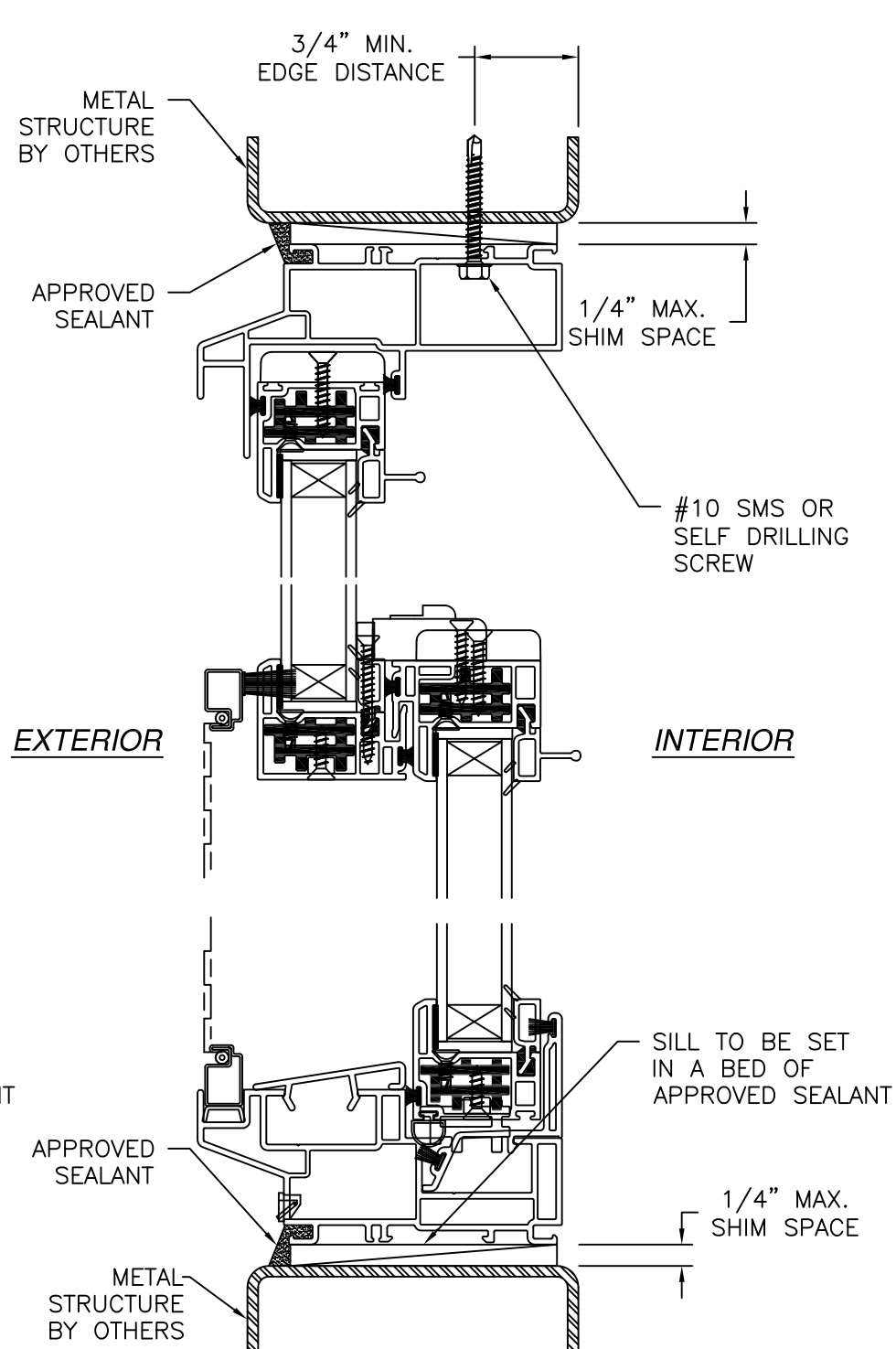
Luis R. Lomas P.E.
FL No.: 62514



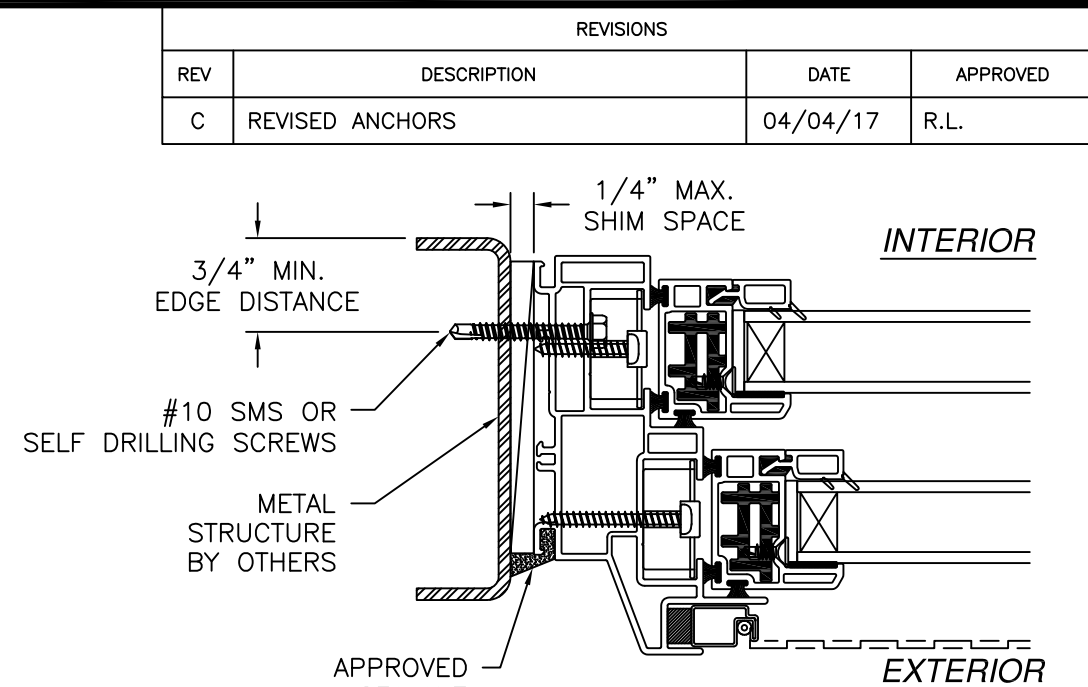
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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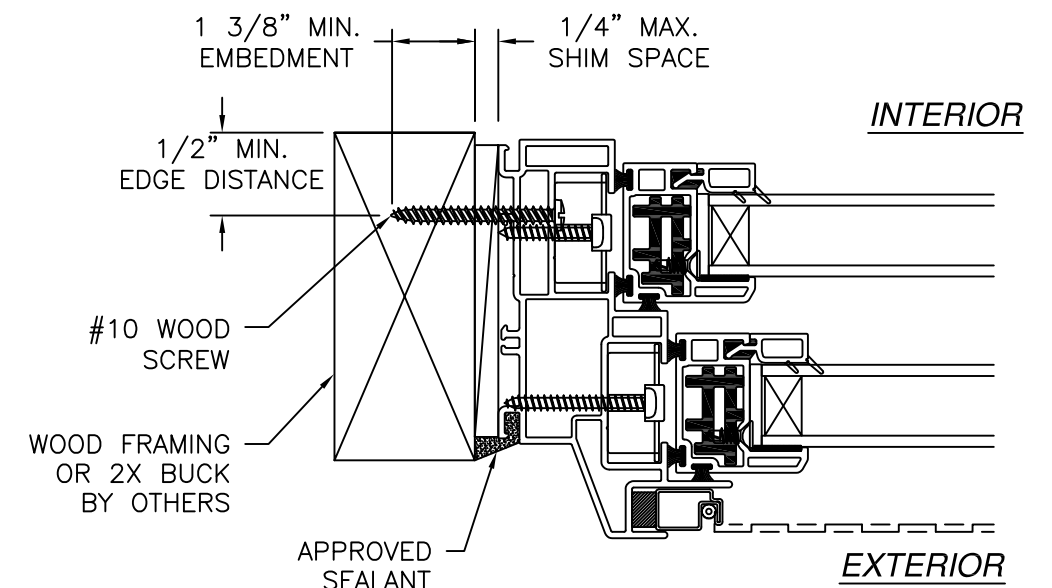
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



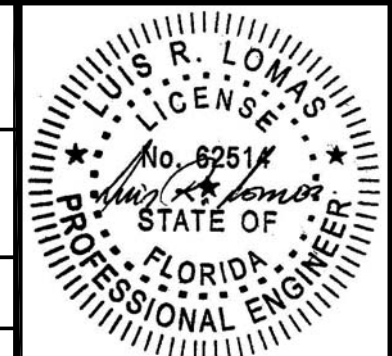
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METAL STRUCTURE INSTALLATION



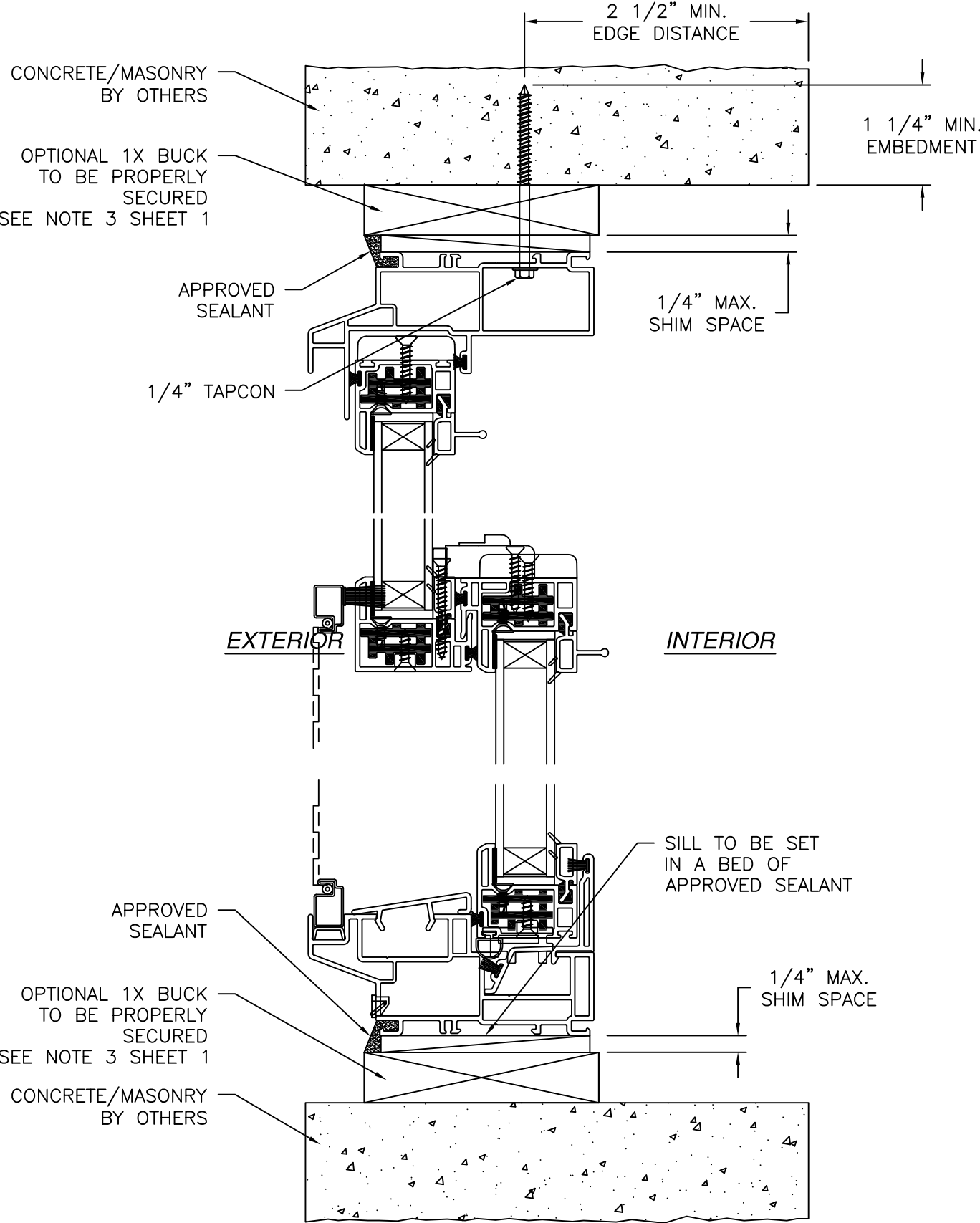
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WOOD FRAMING OR 2X BUCK INSTALLATION

SIGNED: 04/04/2017

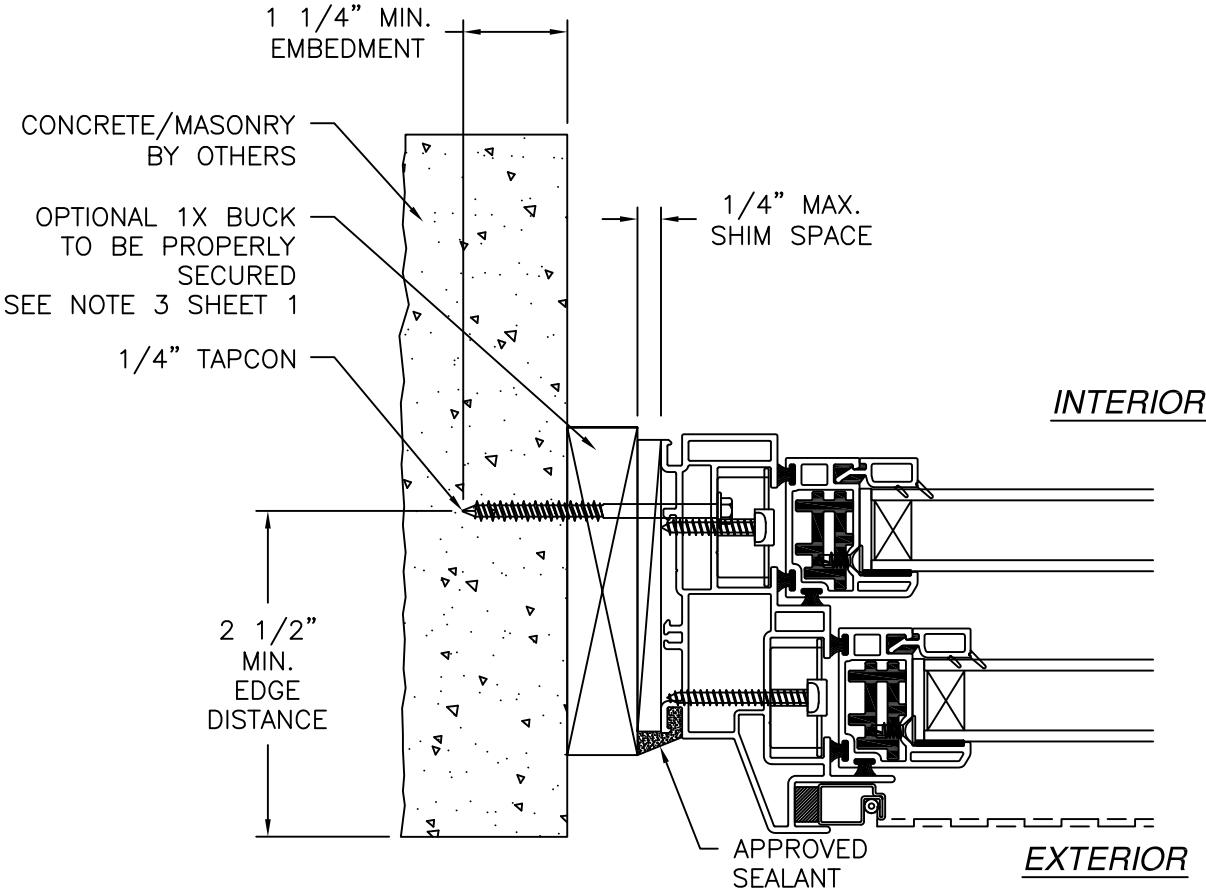
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5100 DH NON – IMPACT HVHZ 52" x 75" INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01317	REV C
SCALE NTS	DATE 07/29/11	SHEET 3 OF 8
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



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



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

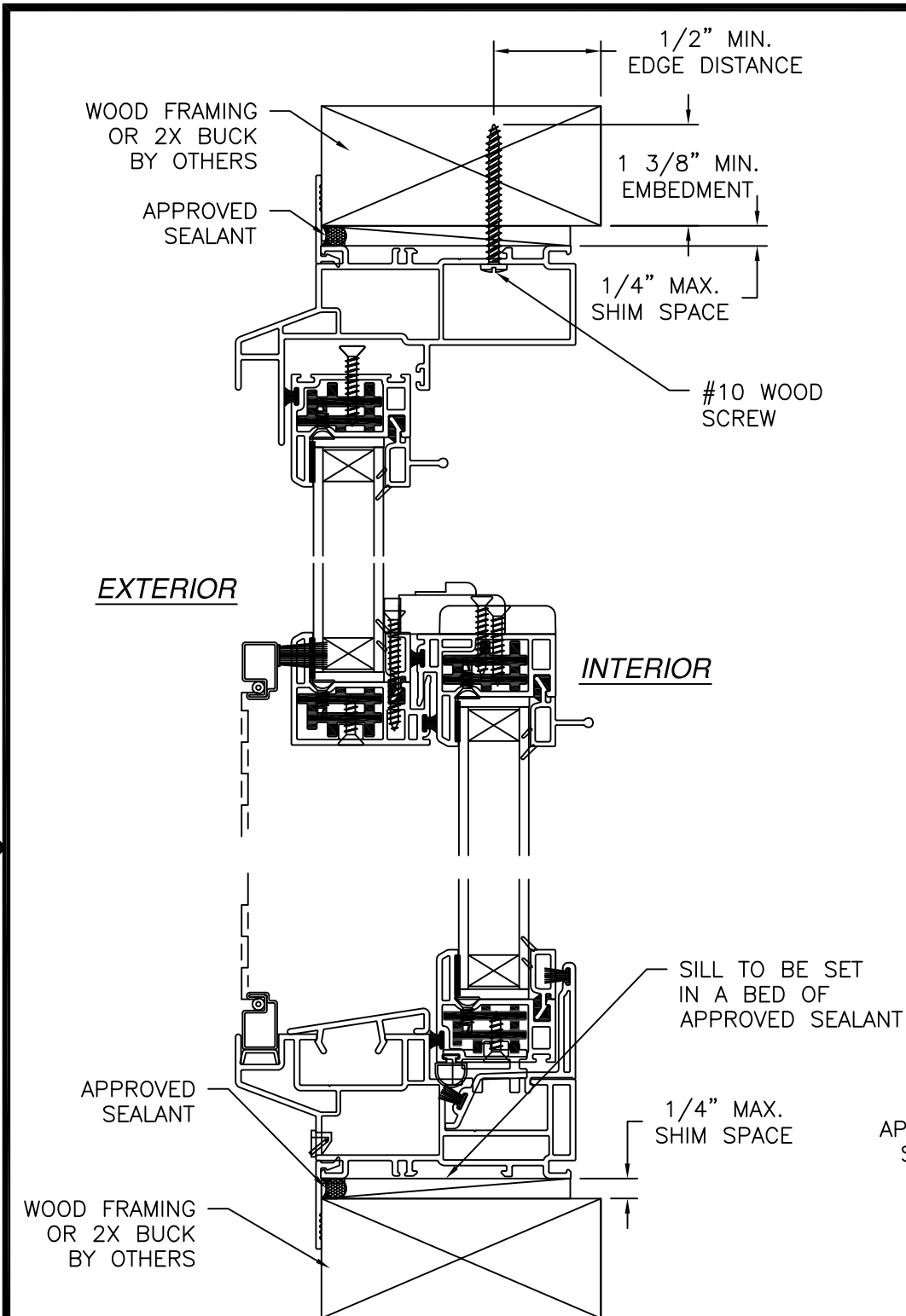
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SIGNED: 04/04/2017

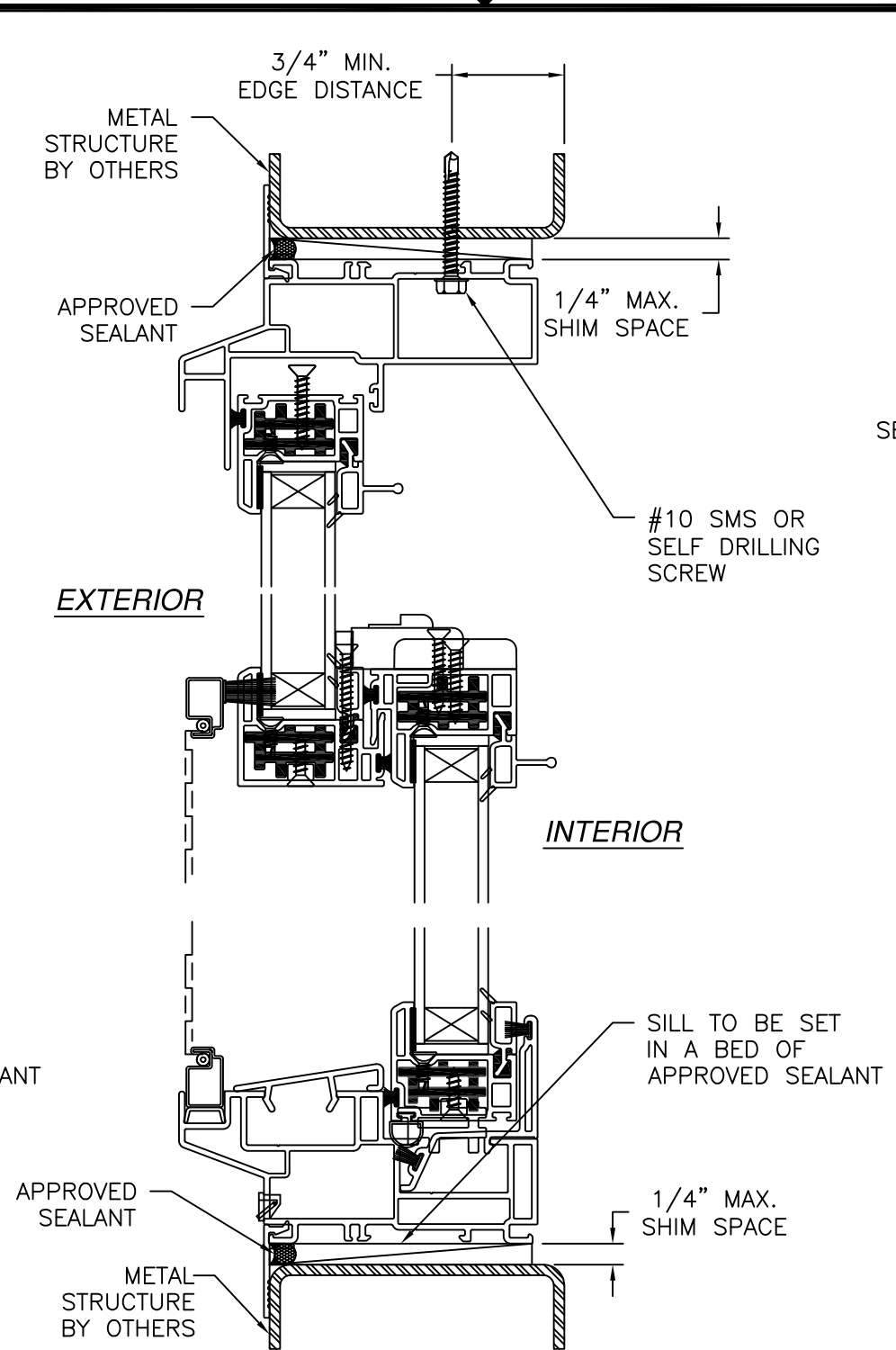
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L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



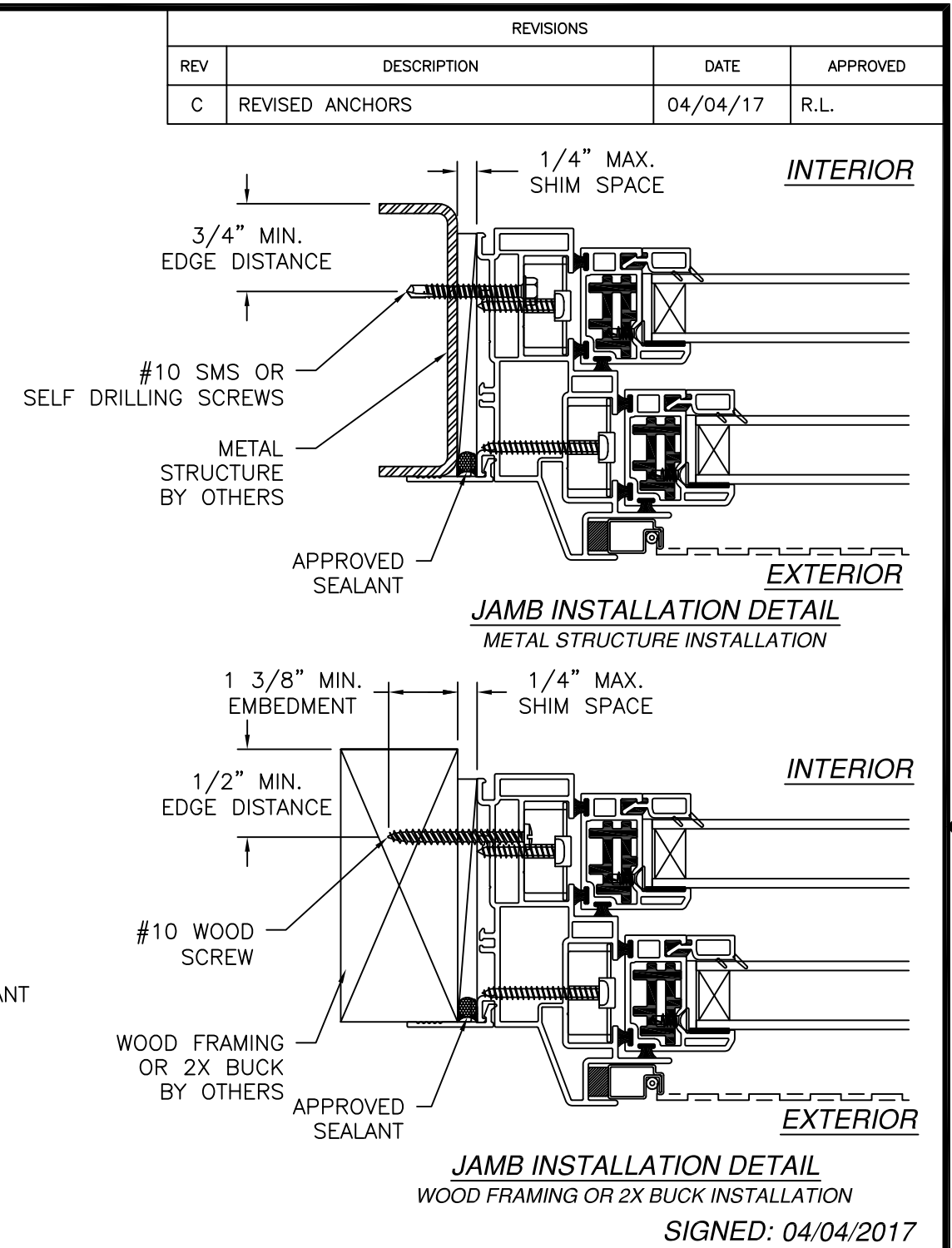
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FL No.: 62514



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

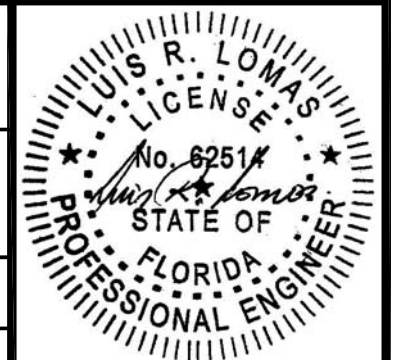


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

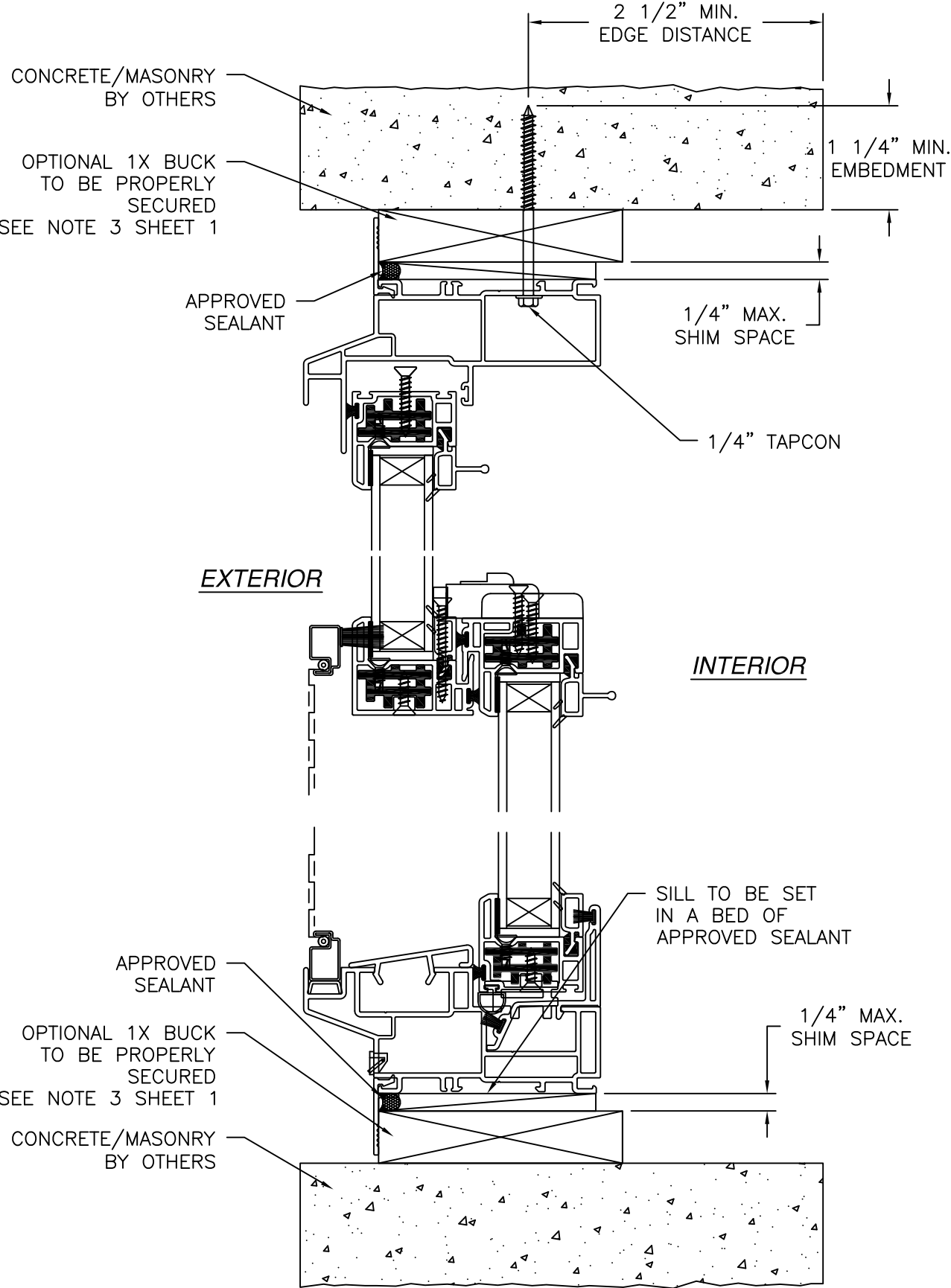
SIGNED: 04/04/2017

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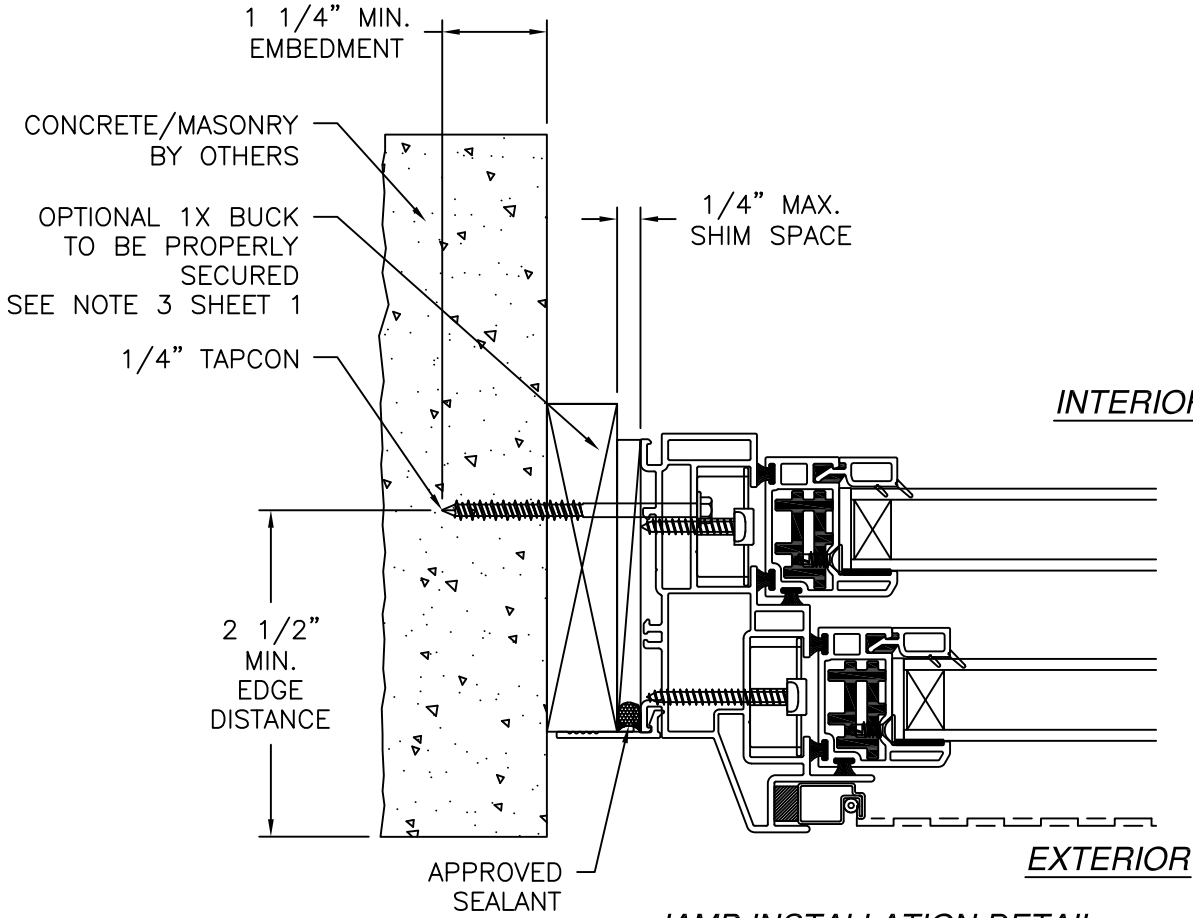
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SCALE NTS	DATE 07/29/11	SHEET 5 OF 8
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



Luis R. Lomas P.E.
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

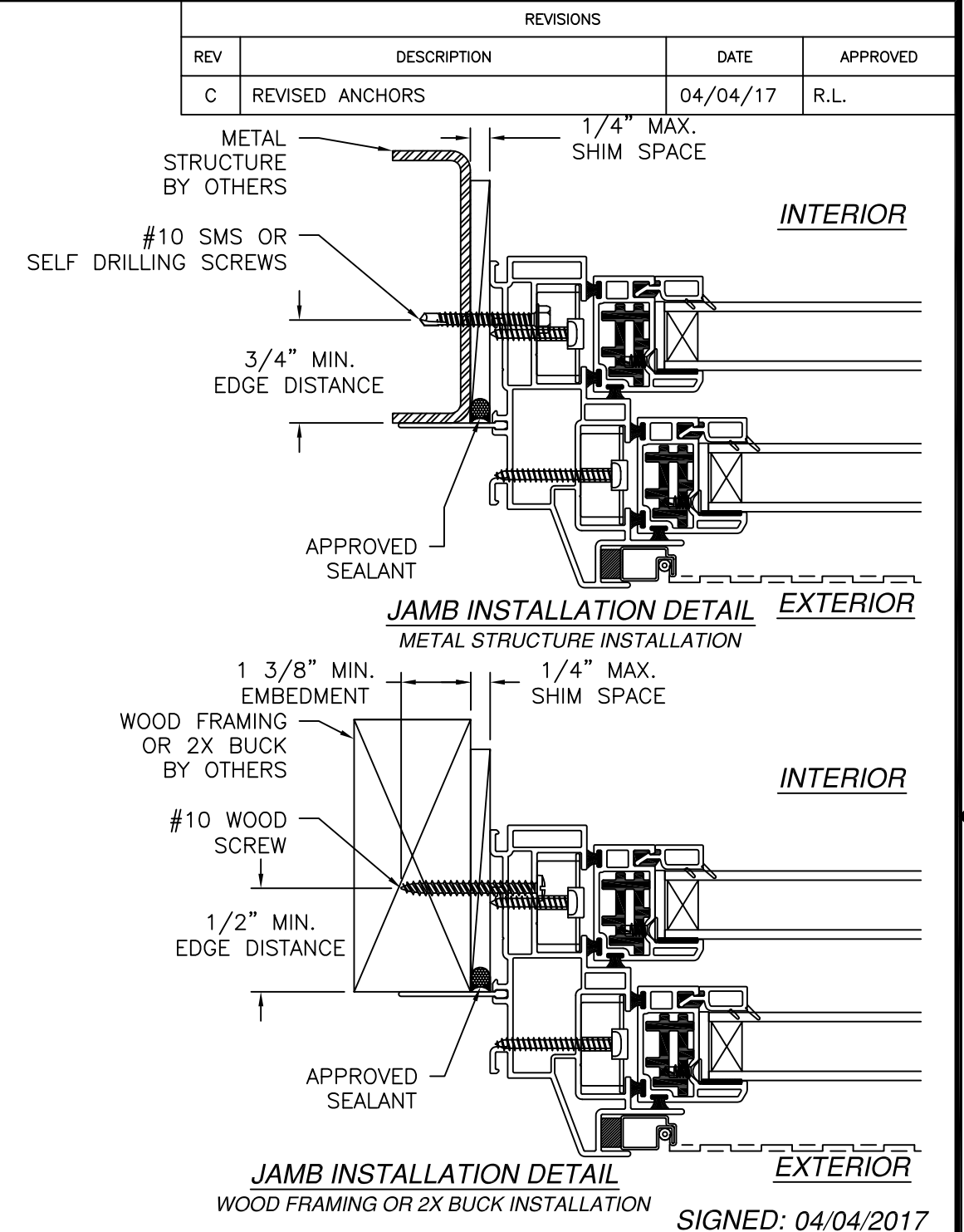
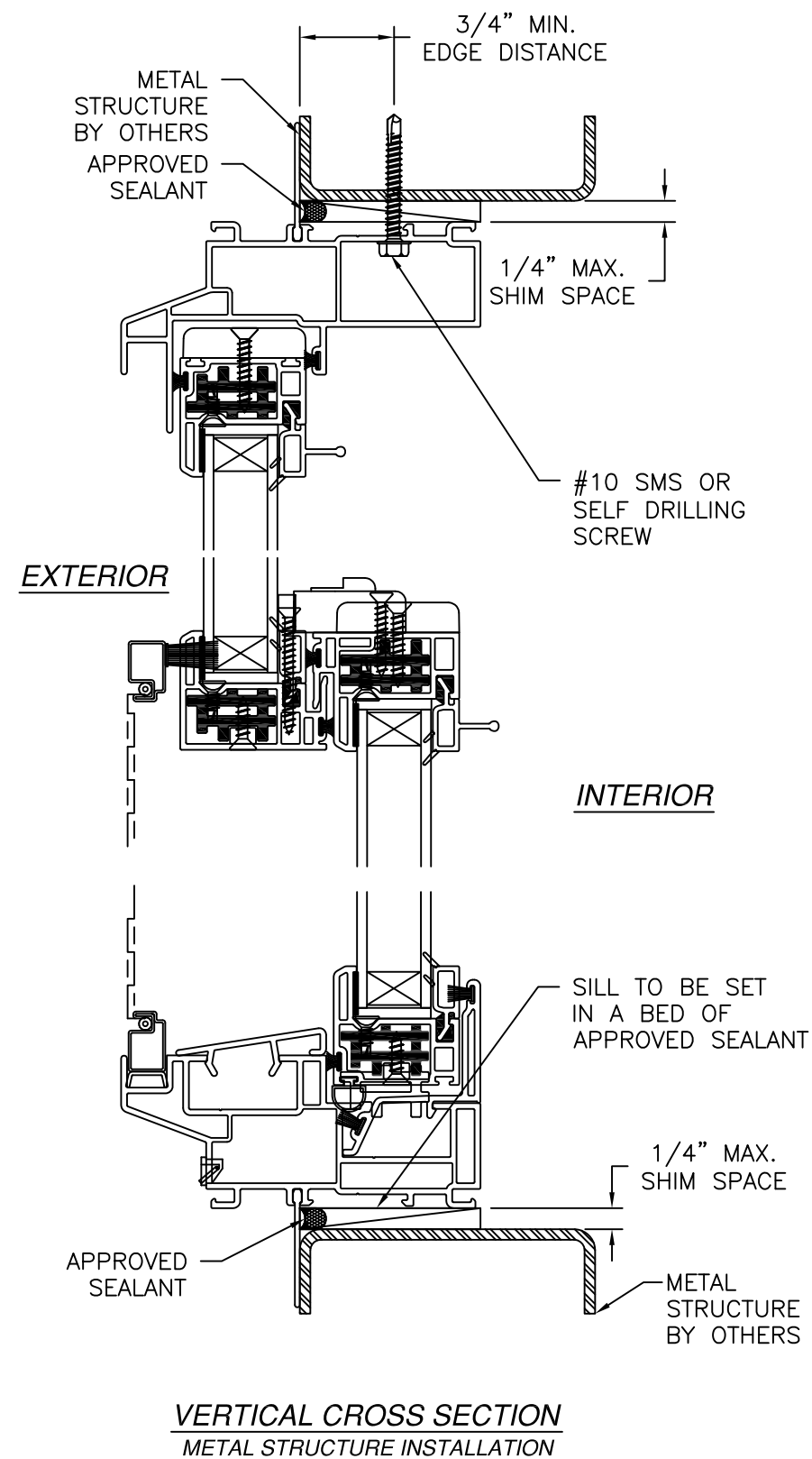
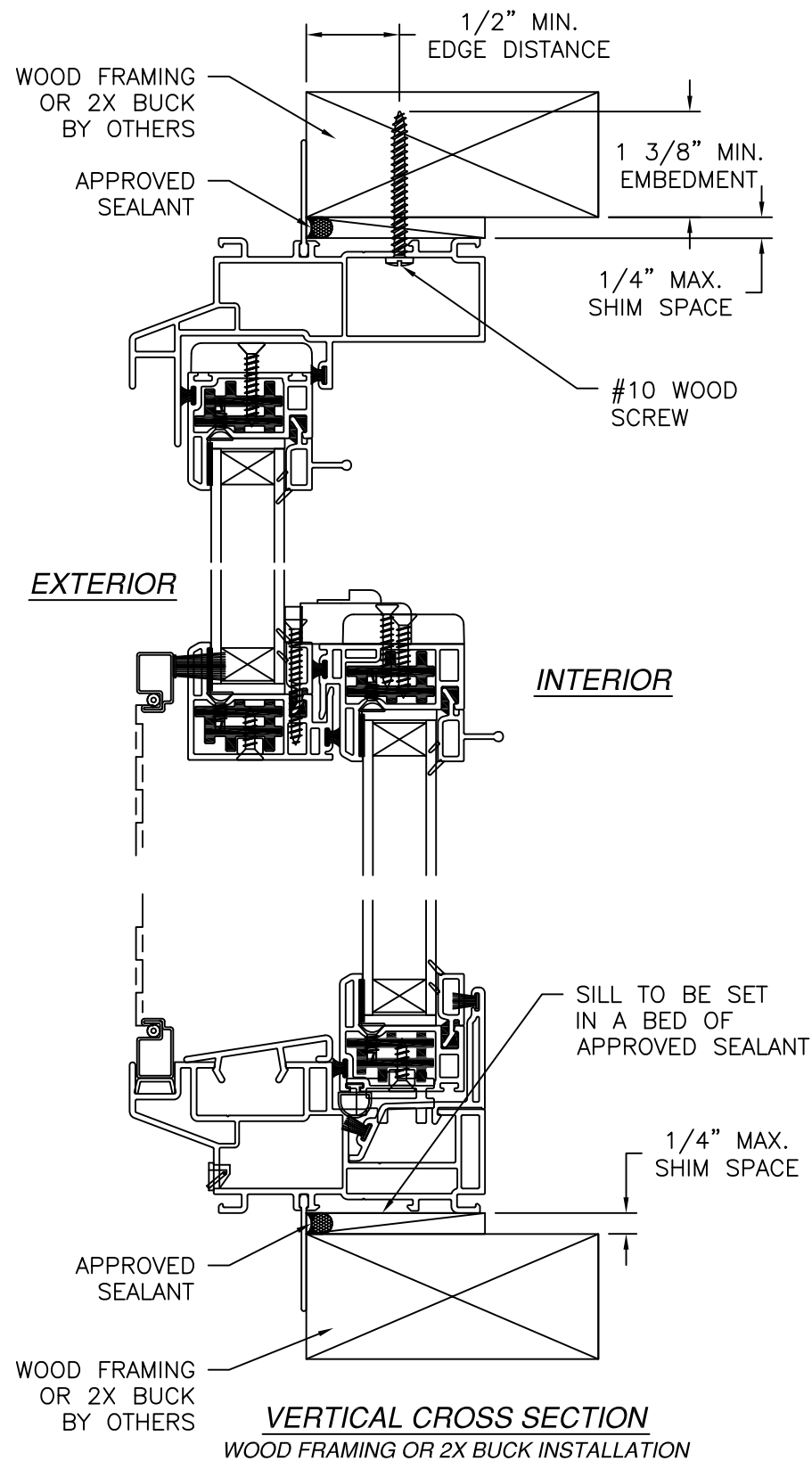
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VIWINTech		
2400 IRVIN COBB DRIVE PADUCAH, KY 42003		
5100 DH NON – IMPACT HVHZ 52" x 75" FLANGE INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01317	REV C
SCALE NTS	DATE 07/29/11	SHEET 6 OF 8
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

SIGNED: 04/04/2017



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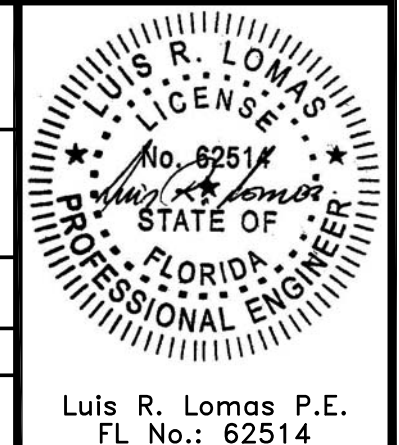
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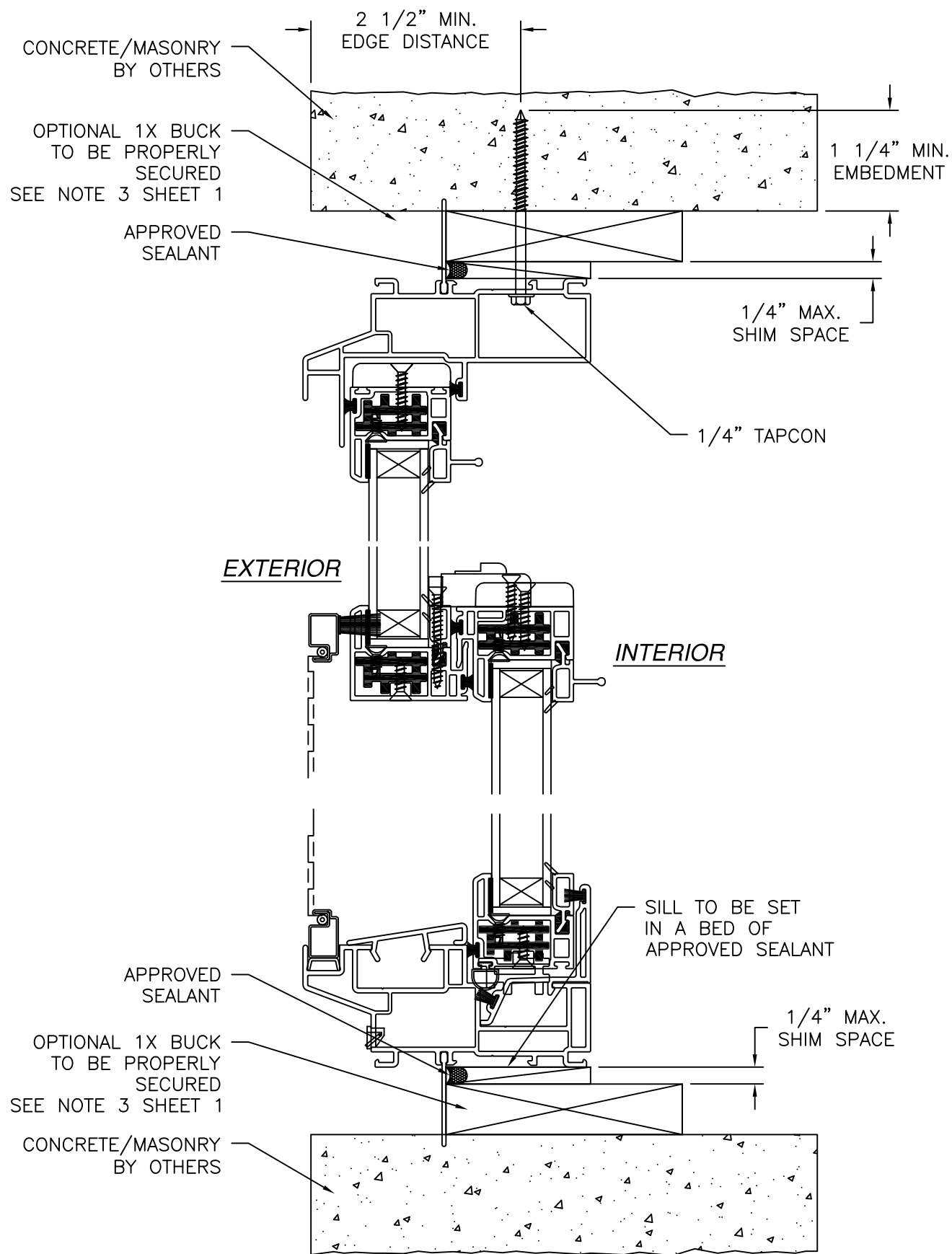
VIWINTech
 2400 IRVIN COBB DRIVE
 PADUCAH, KY 42003

5100 DH NON – IMPACT HVHZ
 52" x 75"
 FIN INSTALLATION DETAILS

DRAWN: V.L.		DWG NO. 08-01317	REV C
SCALE NTS	DATE 07/29/11	SHEET 7 OF 8	

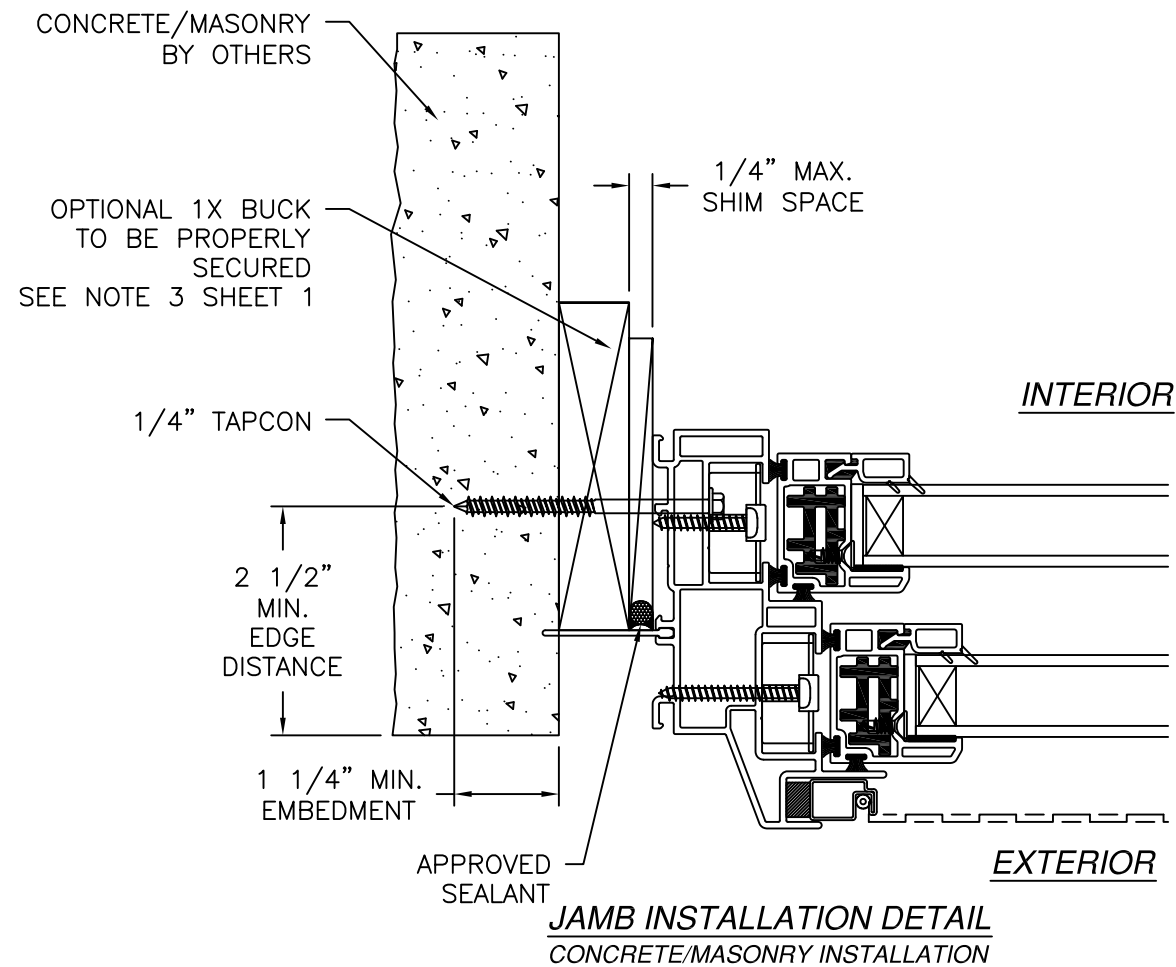
L. ROBERTO LOMAS P.E.
 1432 WOODFORD RD LEWISVILLE, NC 27023
 434-688-0609 rllomas@rlomaspe.com





VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED ANCHORS	04/04/17	R.L.

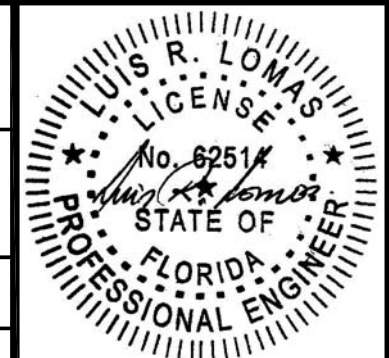


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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VIWINTech 2400 IRVIN COBB DRIVE PADUCAH, KY 42003		
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SCALE NTS	DATE 07/29/11	SHEET 8 OF 8
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



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