

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	02/27/18	R.L.
B	REVISED PER NEW STANDARDS	01/11/2022	R.L.

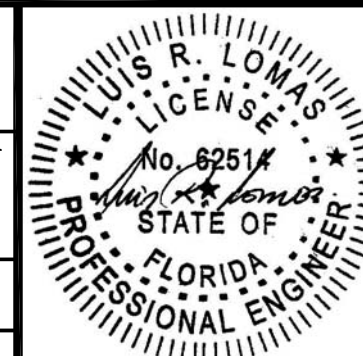
NOTES:

- 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) 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.
- 4) FRAME AND SASH MATERIAL: EXTRUDED WHITE PVC .070" THICK.
- 5) UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 2 FOR GLAZING DETAILS.
- 6) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 7) 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".
- 8) FOR ANCHORING INTO MASONRY USE 3/16" ELCO ULTRACON TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 9) FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 10) 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.
- 11) ALL FASTENERS TO BE CORROSION RESISTANT.
- 12) 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 2,700 PSI.
 - C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE – STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION, ANCHORING AND GLAZING DETAIL
3 – 6	INSTALLATION DETAILS

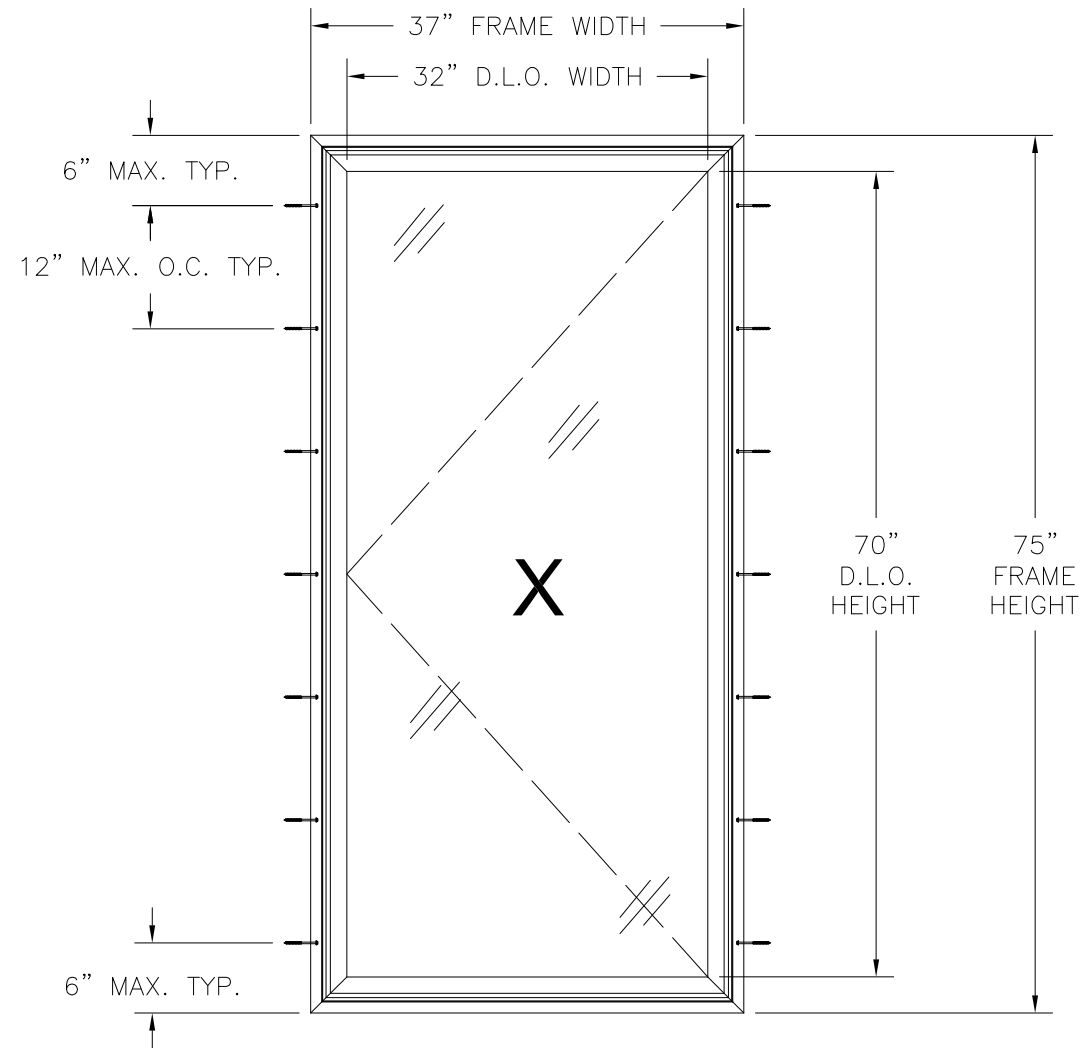
STERGIS WINDOWS & DOORS, INC. 79 WALTON ST. ATTLEBORO, MA 02703		
STORMGATE REP CA PVC CASEMENT WINDOW IMPACT 37" X 75" NOTES		
DRAWN: TJH	DWG NO. 08-00830	REV B
SCALE NTS	DATE 08/25/09	SHEET 1 OF 6
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

SIGNED: 03/25/2022



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	02/27/18	R.L.
B	REVISED PER NEW STANDARDS	01/11/2022	R.L.



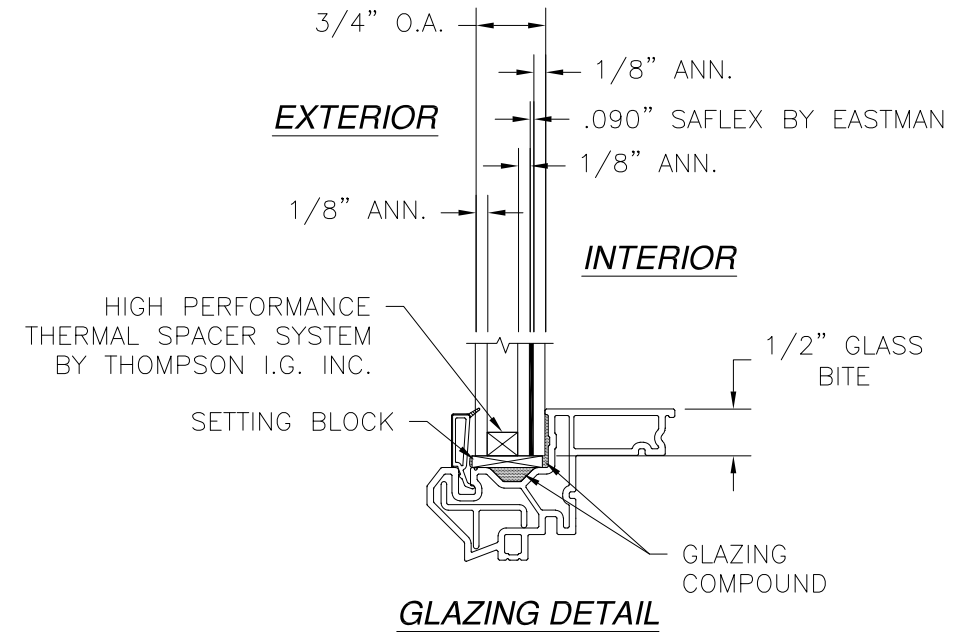
STORMGATE REP CA PVC CASEMENT WINDOW
EXTERIOR VIEW

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

37" X 75" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS FRAME AREA DOES NOT EXCEED 19.27" FT²

HARDWARE SCHEDULE

A.	(1) ROTARY OPERATOR AT SILL
B.	(1) SINGLE ARM HINGE AT HEAD
C.	(1) FOUR POINT LEVER LOCK AT LOCK JAMB
D.	(4) METAL LOCK KEEPER AT LOCK STILE
E.	(2) METAL SNUBBER AT HINGE JAMB, 24 1/2" FROM CORNERS
F.	(2) METAL SNUBBER AT HINGE STILE, 24 1/2" FROM CORNERS
G.	ALUMINUM REINFORCEMENT AT EXTERIOR PERIMETER OF SASH, INTERIOR SASH HOLLOW OF LOCK STILE AND JAMBS



STERGIS WINDOWS & DOORS, INC.

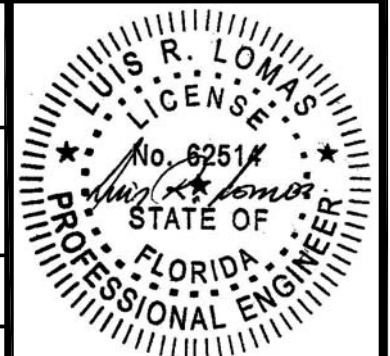
79 WALTON ST.
ATTLEBORO, MA 02703

STORMGATE REP CA PVC CASEMENT WINDOW IMPACT
37" X 75"
ELEVATION, ANCHORING AND GLAZING DETAILS

DRAWN: TJH	DWG NO. 08-00830	REV B
SCALE NTS	DATE 08/25/09	SHEET 2 OF 6

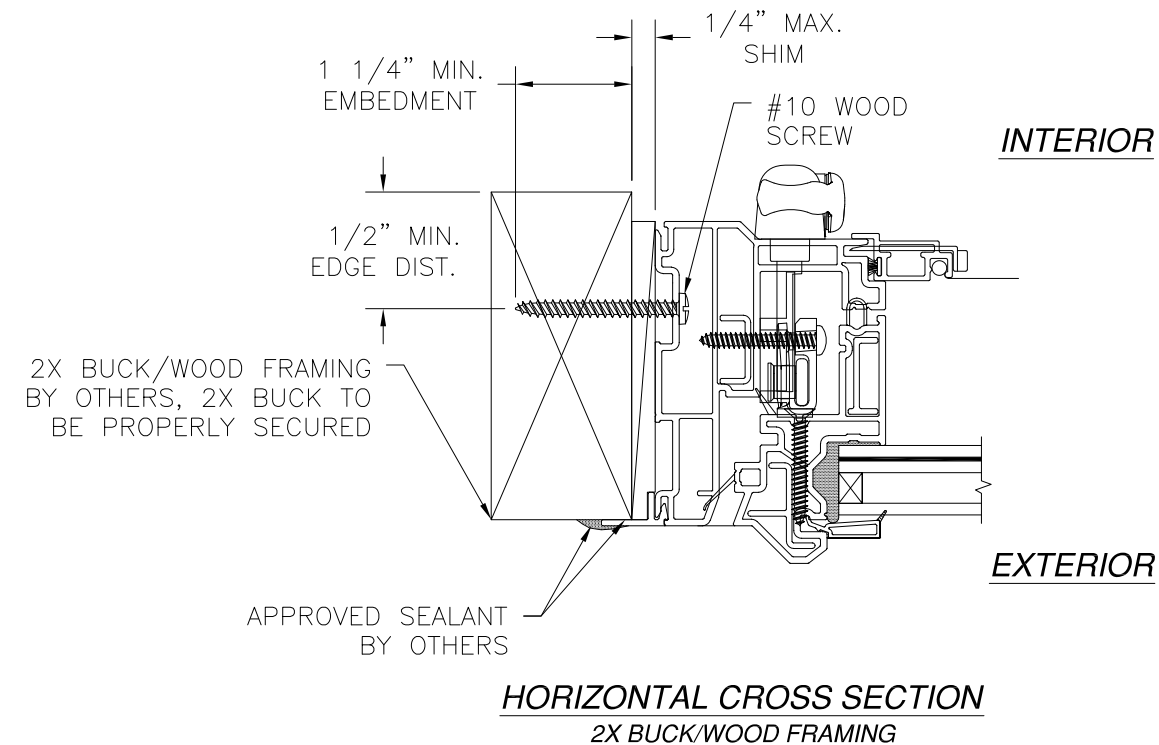
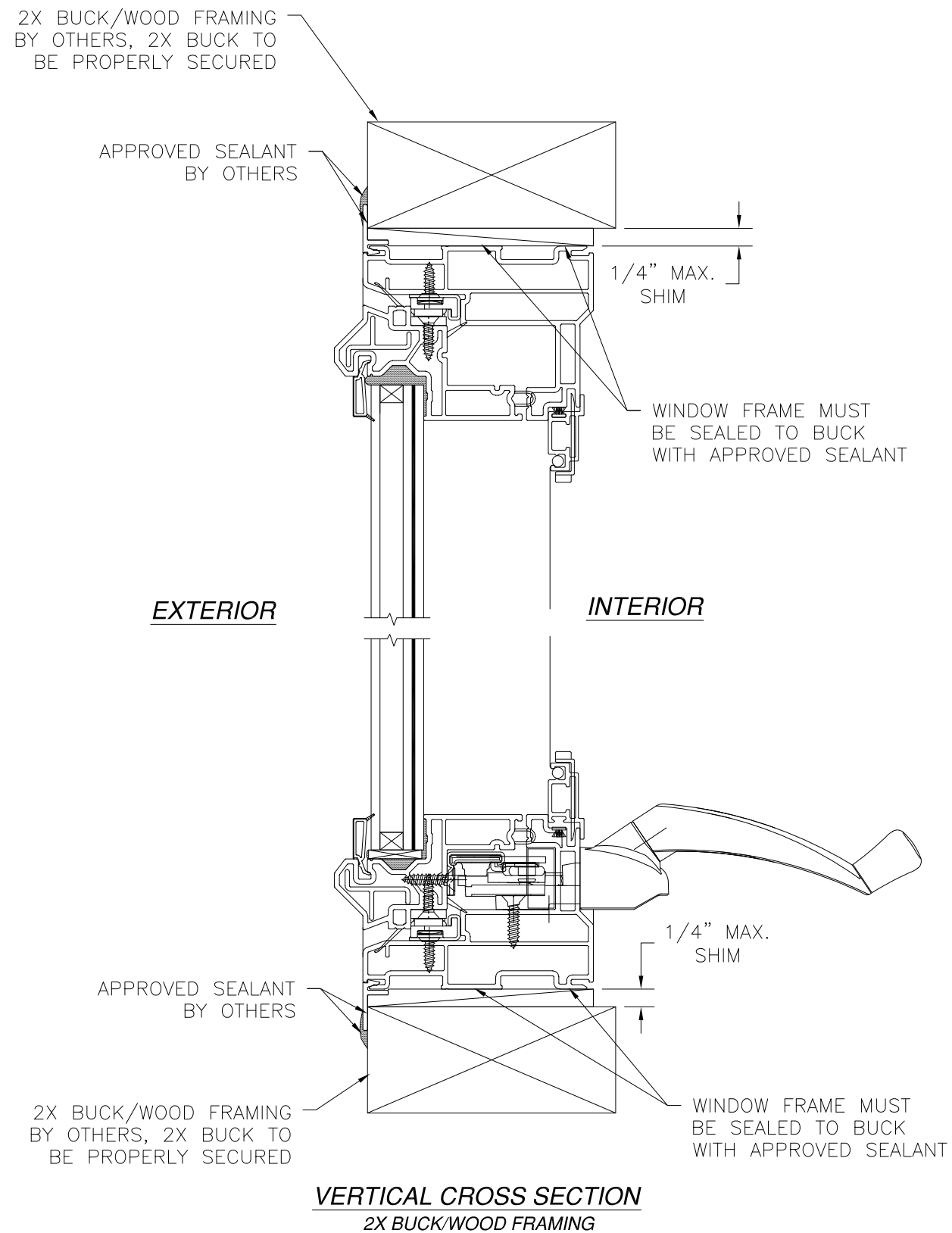
L. ROBERTO LOMAS P.E.
400 S. PALM AVE, INDIAN LANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com

SIGNED: 03/25/2022



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	02/27/18	R.L.
B	REVISED PER NEW STANDARDS	01/11/2022	R.L.



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

SIGNED: 03/25/2022

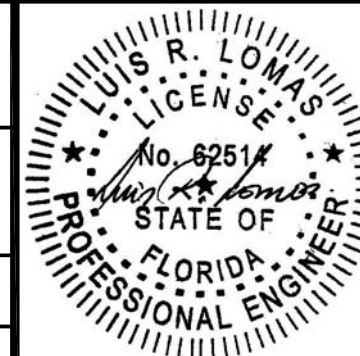
STERGIS WINDOWS & DOORS, INC.

79 WALTON ST.
ATTLEBORO, MA 02703

STORMGATE REP CA PVC CASEMENT WINDOW IMPACT
37" X 75"
INSTALLATION DETAILS

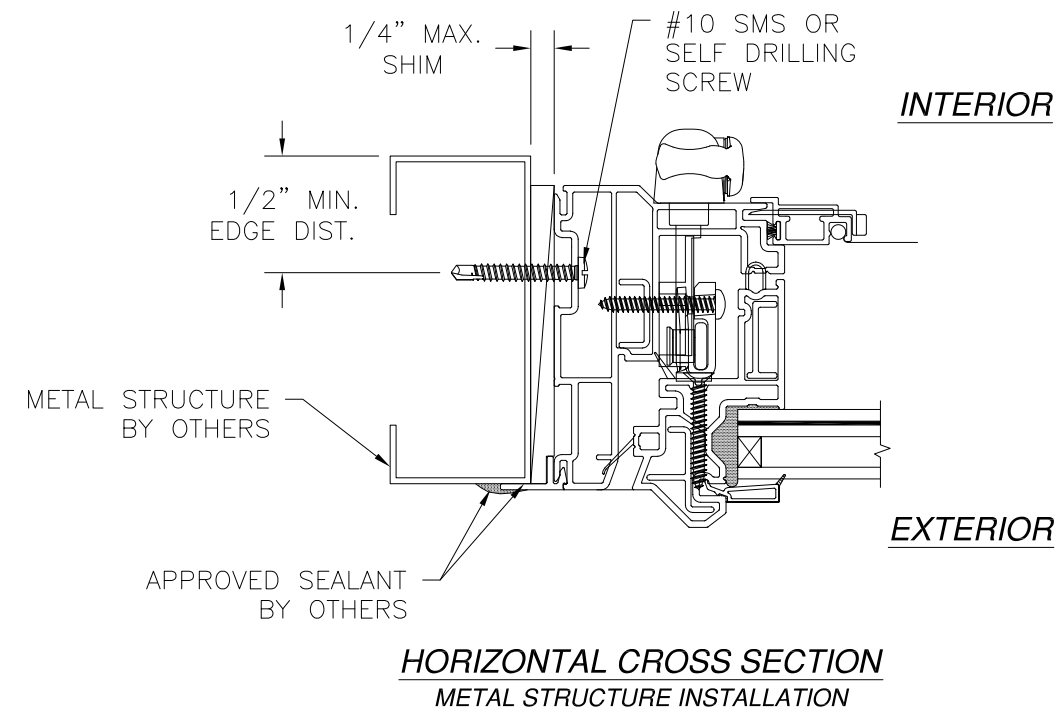
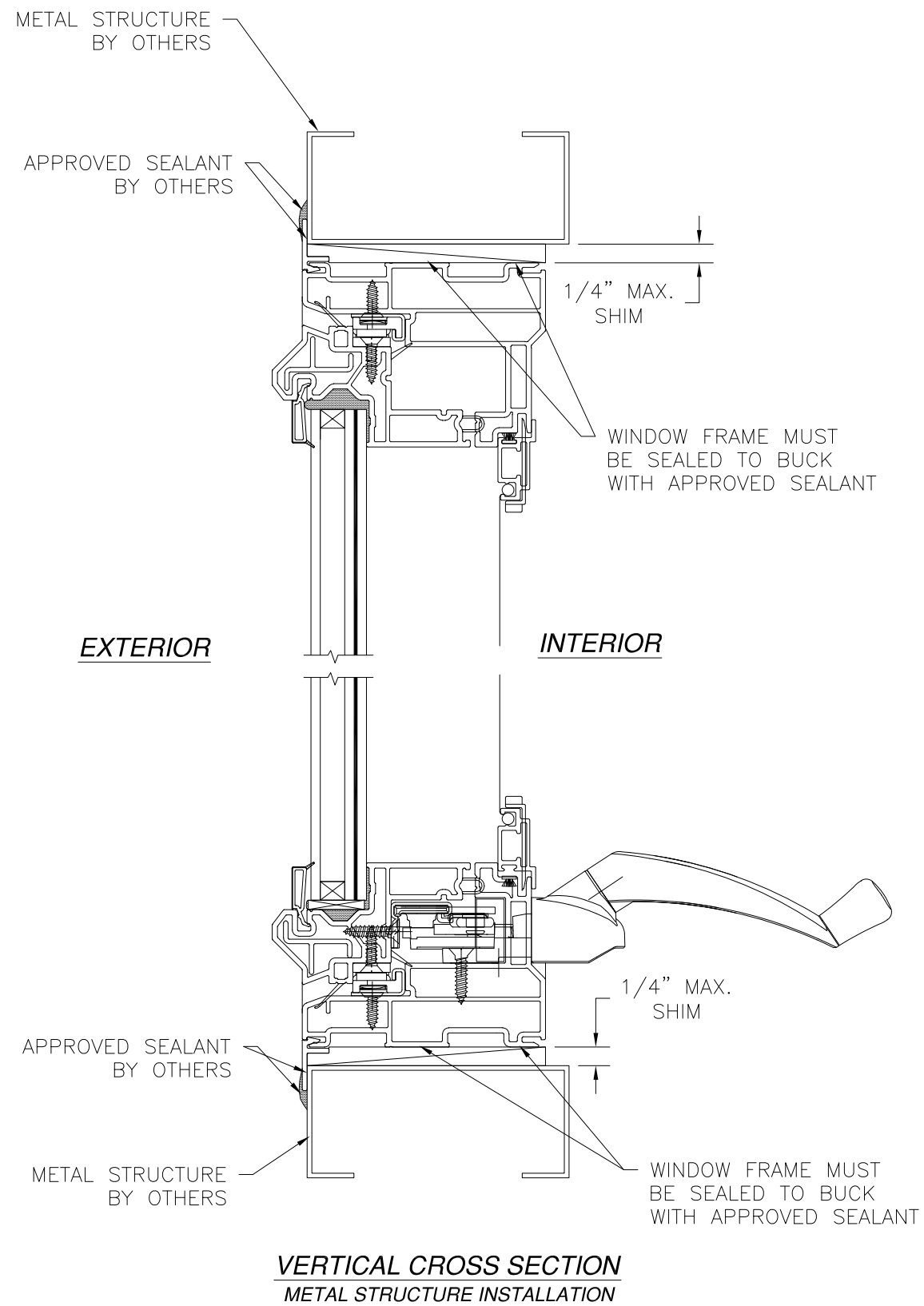
DRAWN: TJH	DWG NO. 08-00830	REV B
SCALE NTS	DATE 08/25/09	SHEET 3 OF 6

L. ROBERTO LOMAS P.E.
400 S. PALM AVE, INDIALANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	02/27/18	R.L.
B	REVISED PER NEW STANDARDS	01/11/2022	R.L.



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

SIGNED: 03/25/2022

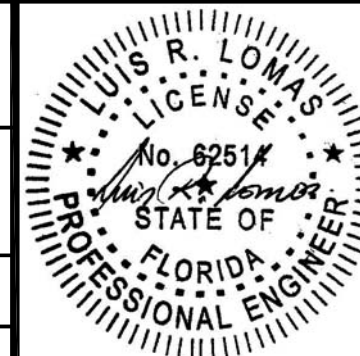
STERGIS WINDOWS & DOORS, INC.

79 WALTON ST.
ATTLEBORO, MA 02703

STORMGATE REP CA PVC CASEMENT WINDOW IMPACT
37" X 75"
INSTALLATION DETAILS

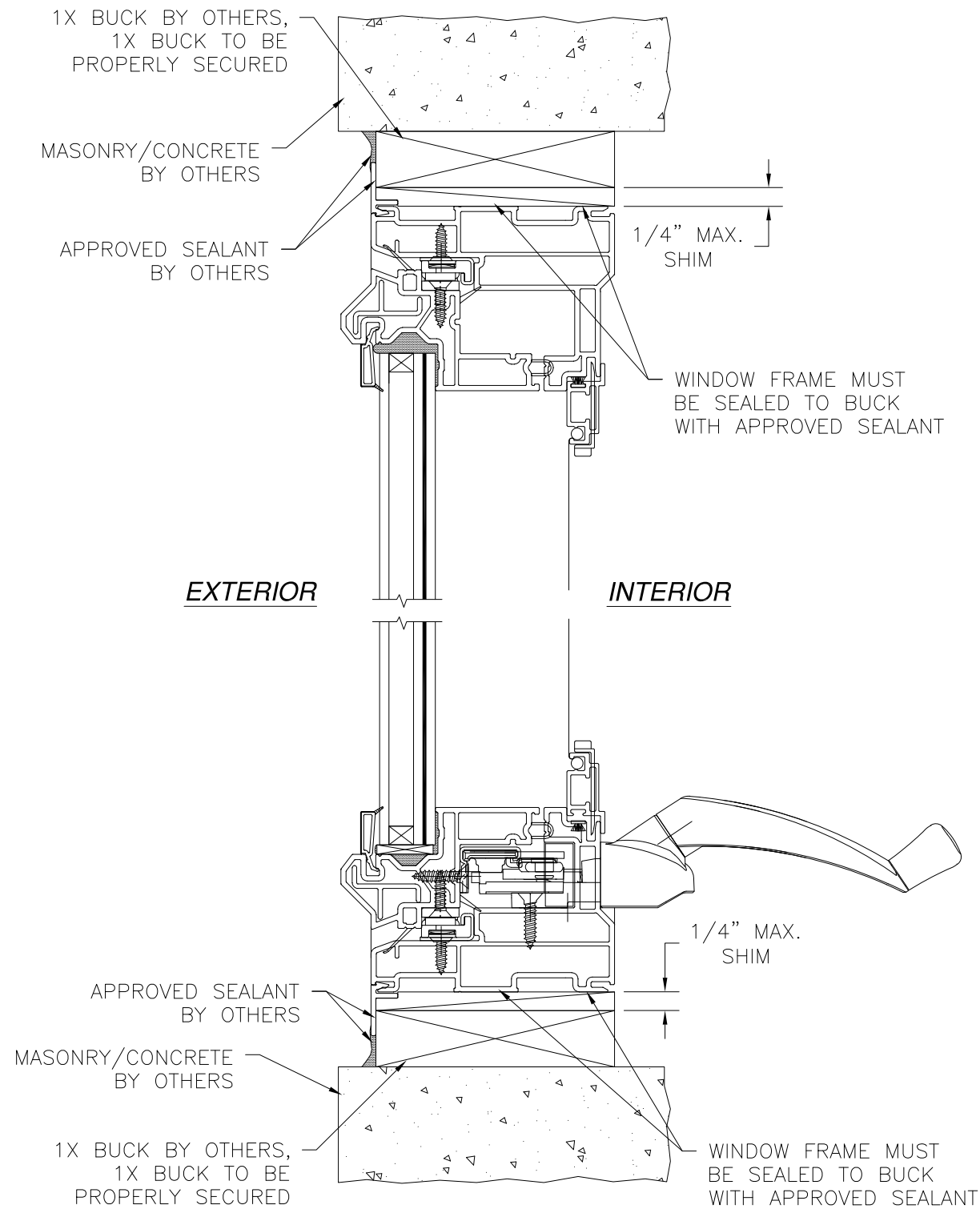
DRAWN: TJH	DWG NO. 08-00830	REV B
SCALE NTS	DATE 08/25/09	SHEET 4 OF 6

L. ROBERTO LOMAS P.E.
400 S. PALM AVE, INDIALANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com

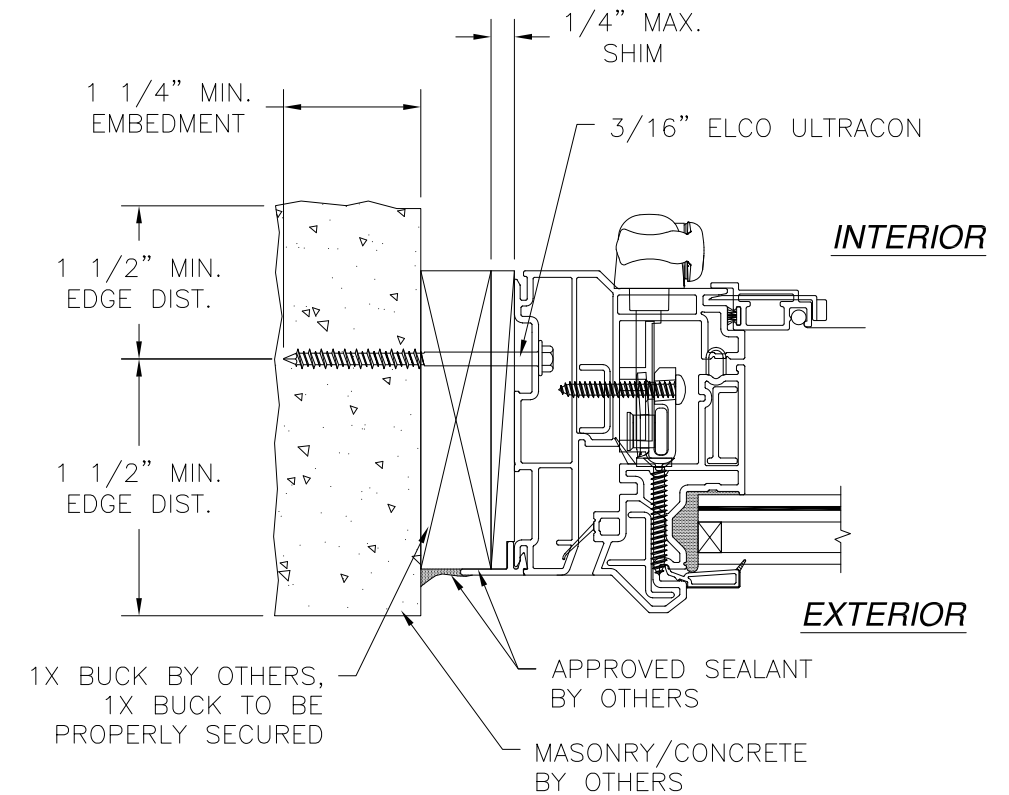


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	02/27/18	R.L.
B	REVISED PER NEW STANDARDS	01/11/2022	R.L.



VERTICAL CROSS SECTION
1X BUCK MASONRY/CONCRETE



HORIZONTAL CROSS SECTION
1X BUCK MASONRY/CONCRETE

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

SIGNED: 03/25/2022

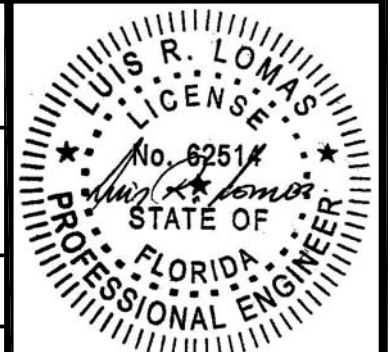
STERGIS WINDOWS & DOORS, INC.

79 WALTON ST.
ATTLEBORO, MA 02703

STORMGATE REP CA PVC CASEMENT WINDOW IMPACT
37" X 75"
INSTALLATION DETAILS

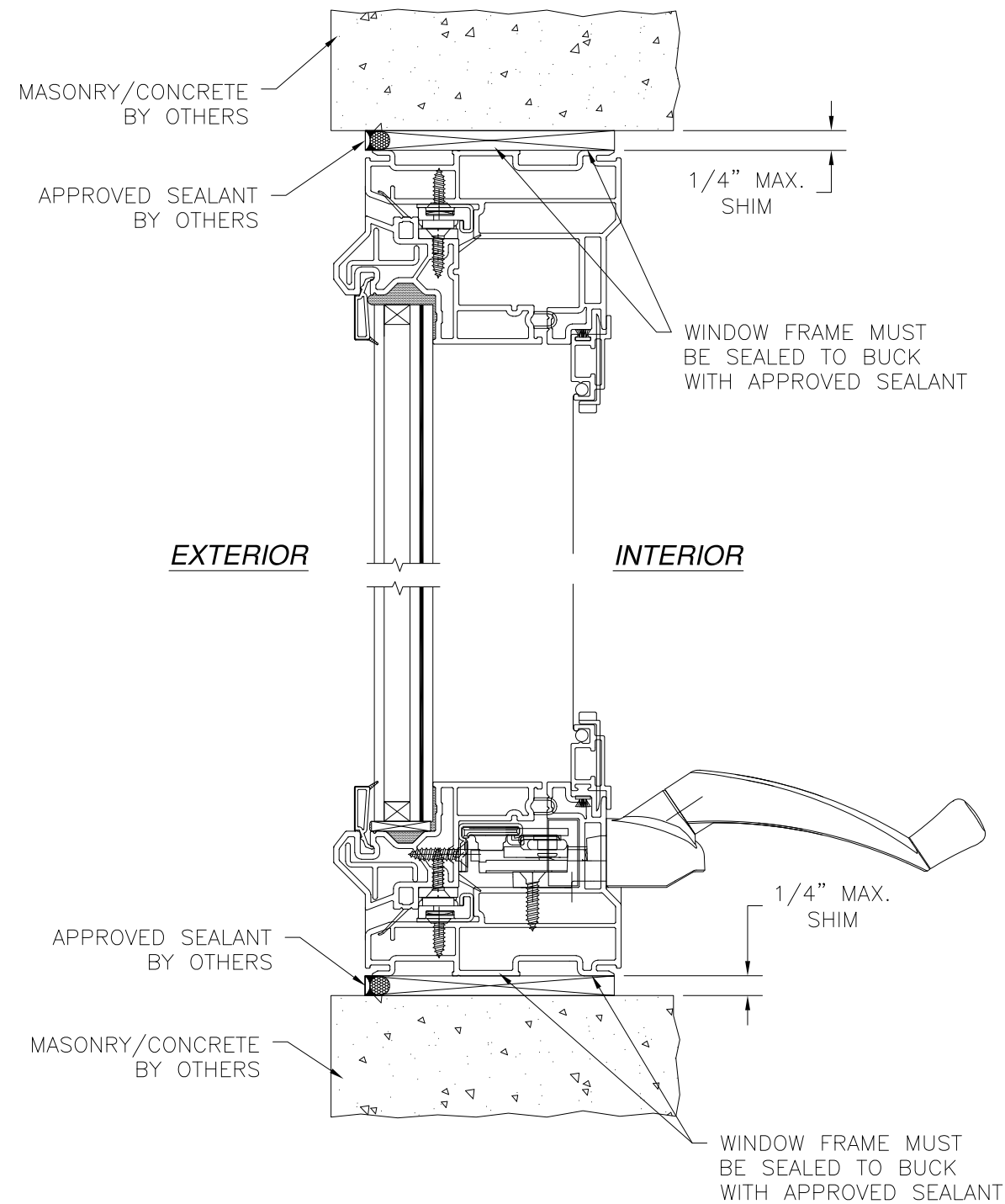
DRAWN: TJH	DWG NO. 08-00830	REV B
SCALE NTS	DATE 08/25/09	SHEET 5 OF 6

L. ROBERTO LOMAS P.E.
400 S. PALM AVE, INDIALANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com

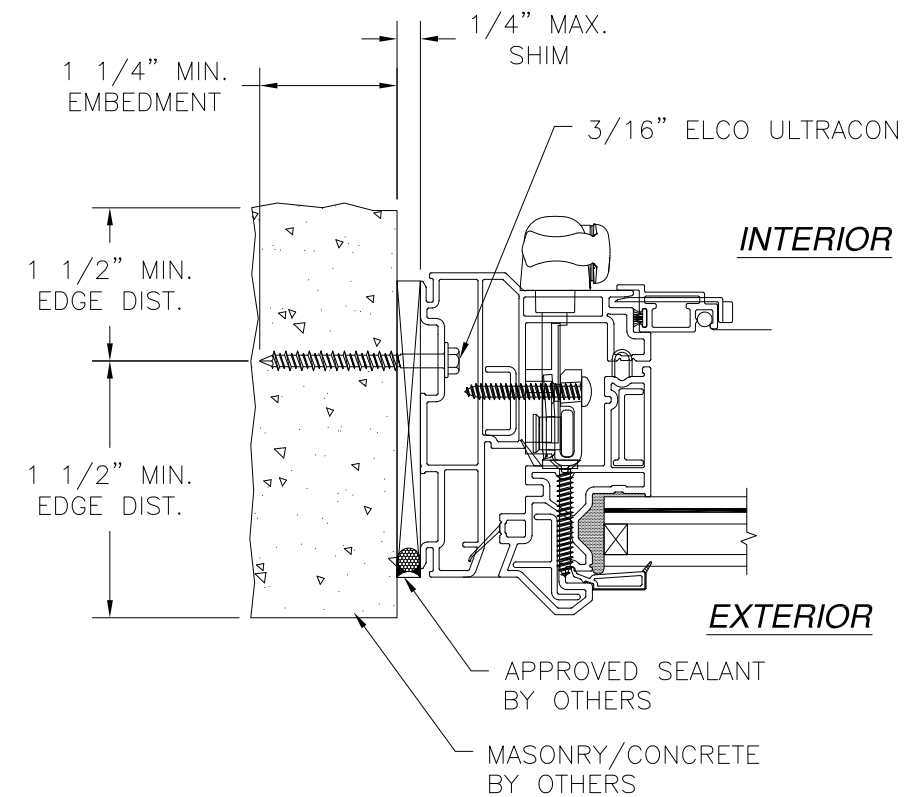


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	02/27/18	R.L.
B	REVISED PER NEW STANDARDS	01/11/2022	R.L.



VERTICAL CROSS SECTION
MASONRY/CONCRETE



HORIZONTAL CROSS SECTION
MASONRY/CONCRETE

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

SIGNED: 03/25/2022

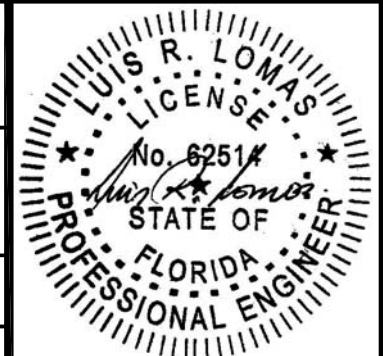
STERGIS WINDOWS & DOORS, INC.

79 WALTON ST.
ATTLEBORO, MA 02703

STORMGATE REP CA PVC CASEMENT WINDOW IMPACT
37" X 75"
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00830	REV B
SCALE NTS	DATE 08/25/09	SHEET 6 OF 6

L. ROBERTO LOMAS P.E.
400 S. PALM AVE, INDIALANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com



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