

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

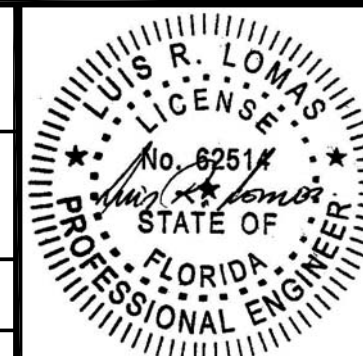
NOTES:

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. 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 NEEDED. 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 VINYL.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 7 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
13. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME 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.
16. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #8 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.
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

SIGNED: 08/08/2022

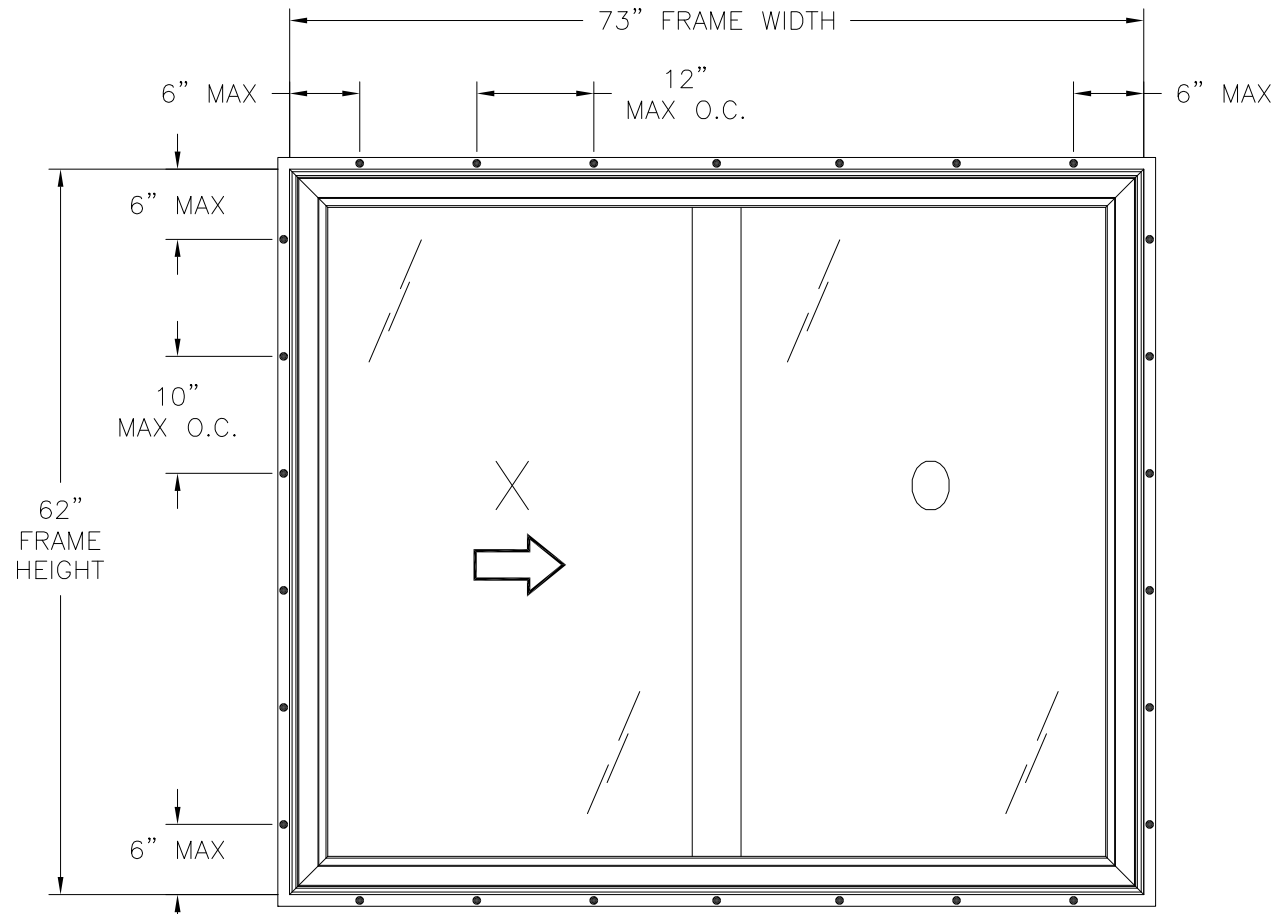
TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
3 - 7	INSTALLATION DETAILS
8	COMPONENTS AND GLAZING DETAILS

STERGIS WINDOWS & DOORS 79 WALTON ST. ATTLEBORO, MA 02703		
STORMGATE HORIZONTAL SINGLE SLIDER IMPACT NOTES		
DRAWN: A.R.	DWG NO. 08-03843	REV -
SCALE NTS	DATE 07/28/2022	SHEET 1 OF 8
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		



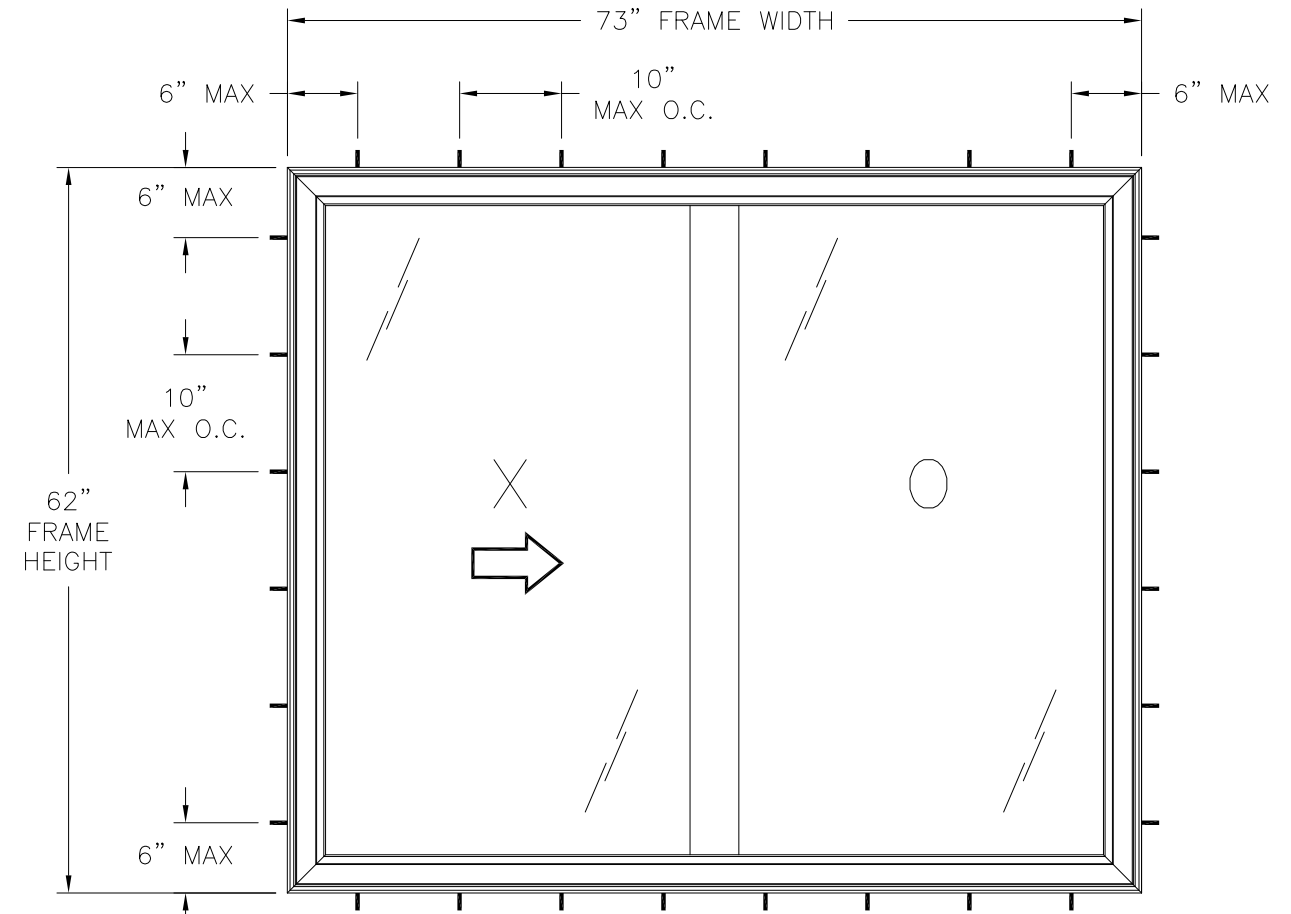
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



STORMGATE HORIZONTAL SINGLE SLIDER

FIN INSTALLATION
EXTERIOR VIEW



STORMGATE HORIZONTAL SINGLE SLIDER

FRAME INSTALLATION
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

73" X 62" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS FRAME AREA DOES NOT EXCEED 31.4 FT²

NOTES:

1. ACTIVE SASH SIZE: 36 1/2" X 60 1/2"
2. FIXED SASH SIZE: 36 1/2" X 60 3/4"
3. ACTIVE SASH D.L.O.: 32 1/4" X 57"
4. FIXED SASH D.L.O.: 34" X 59 3/4"

HARDWARE SCHEDULE

A.	(2) KEEPERS AT FIXED MEETING STILE, 8" C/L FROM HEAD/SILL
B.	(2) LOCKS AT SASH LOCK STILE, 8" C/L FROM SASH CORNERS
C.	(2) ROLLER HOUSINGS AT SASH BOTTOM RAIL
D.	ALUMINUM REINFORCEMENT (10300084) AT FIXED MEETING STILE
E.	ALUMINUM REINFORCEMENT (10300082) AT EACH SASH RAIL
F.	ALUMINUM REINFORCEMENT (10300207) AT SASH PULL STILE

SIGNED: 08/08/2022

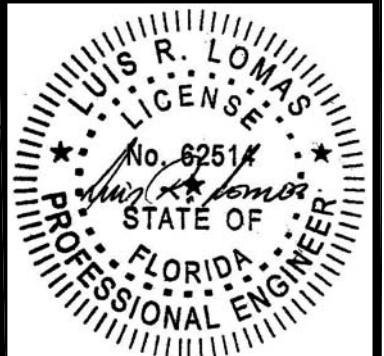
STERGIS WINDOWS & DOORS

79 WALTON ST.
ATTLEBORO, MA 02703

STORMGATE HORIZONTAL SINGLE SLIDER
IMPACT
ELEVATIONS

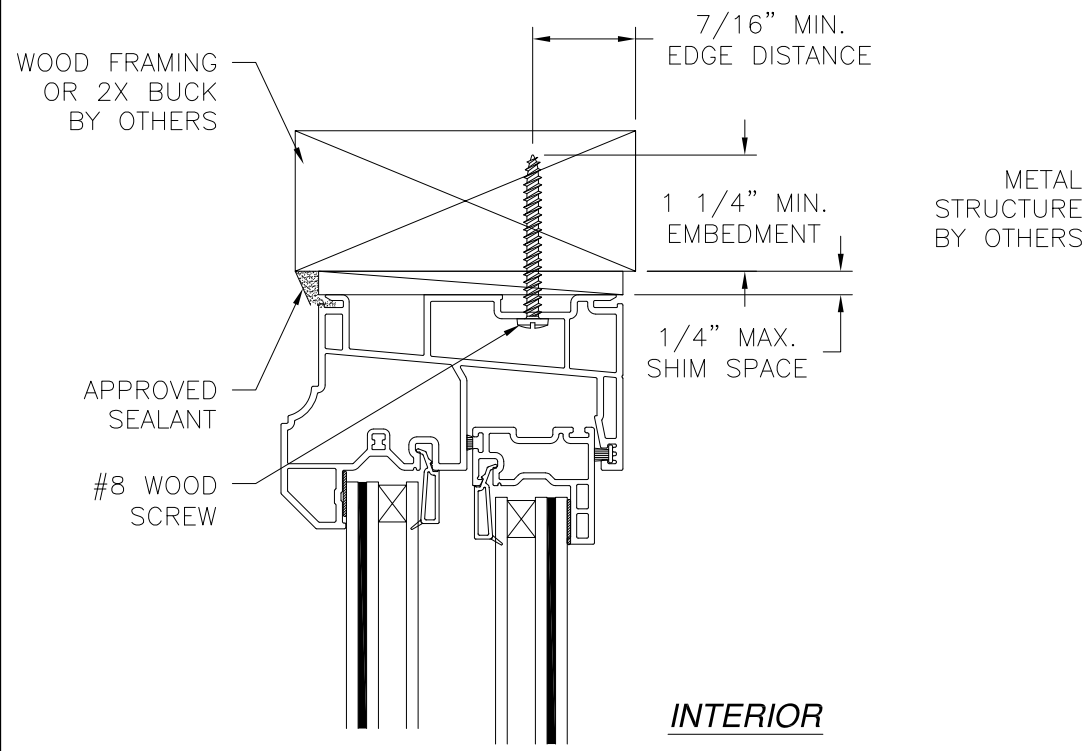
DRAWN: A.R.	DWG NO. 08-03843	REV -
SCALE NTS	DATE 07/28/2022	SHEET 2 OF 8

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

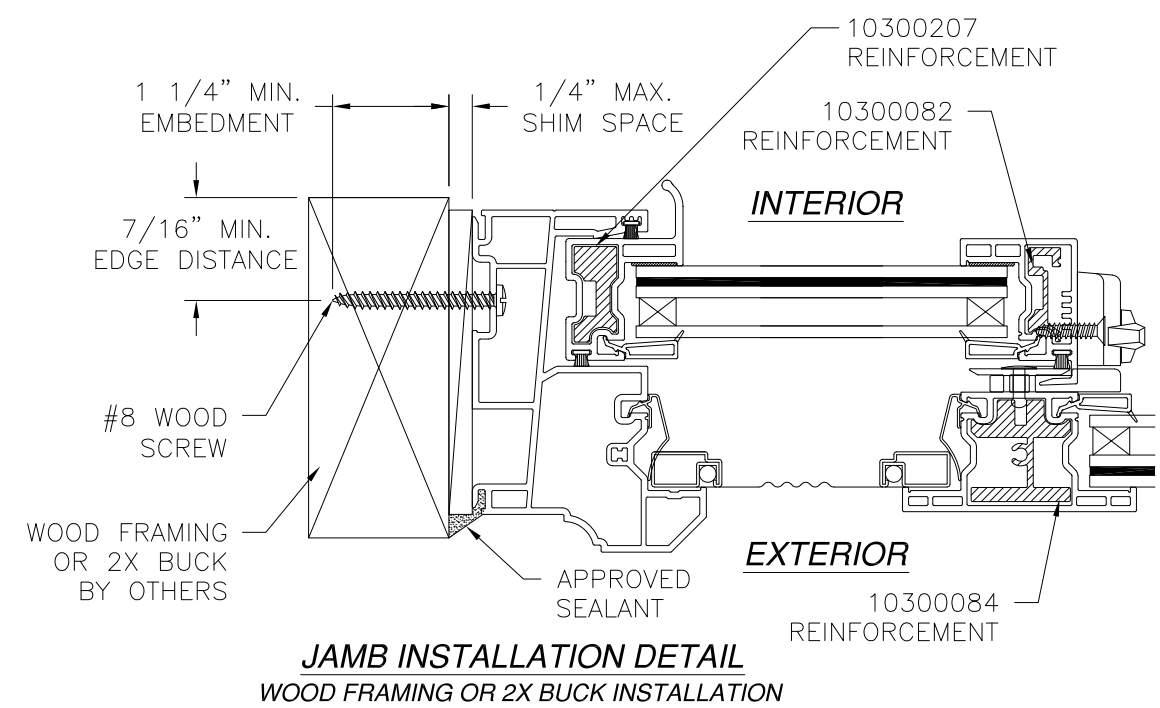


Luis R. Lomas P.E.
FL No.: 62514

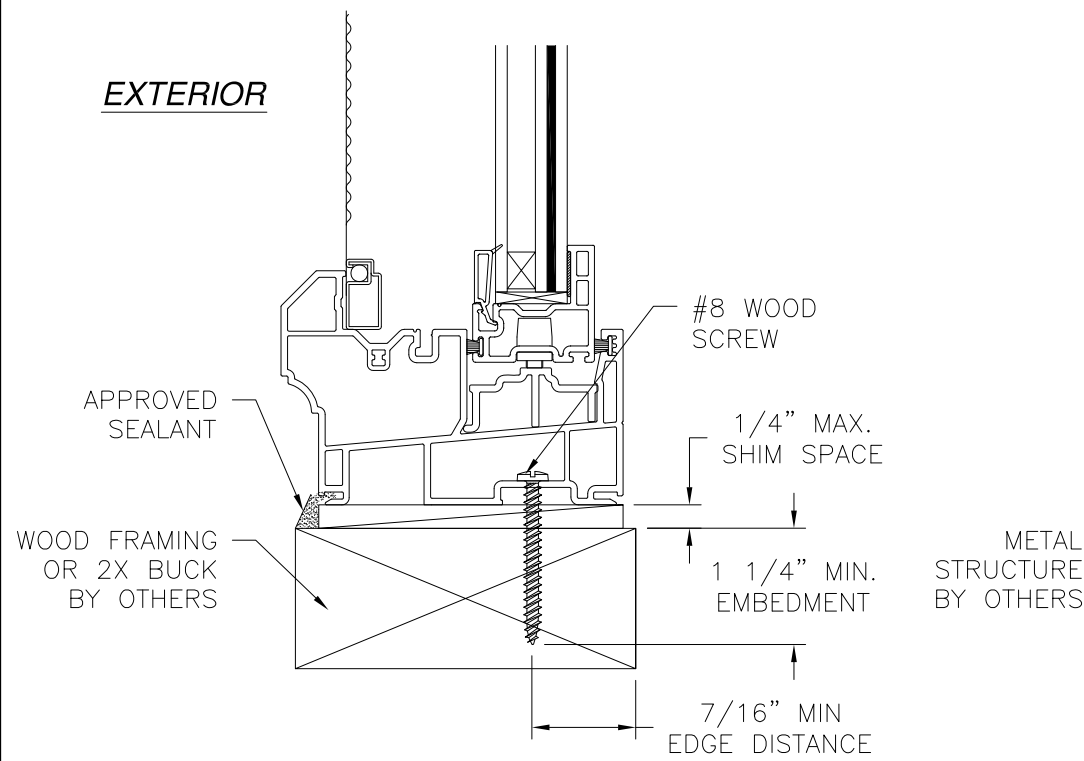
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



INTERIOR



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



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

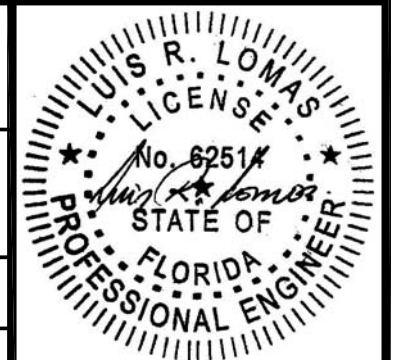
STERGIS WINDOWS & DOORS
79 WALTON ST.
ATTLEBORO, MA 02703

STORMGATE HORIZONTAL SINGLE SLIDER
IMPACT
INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03843	REV -
SCALE NTS	DATE 07/28/2022	SHEET 3 OF 8

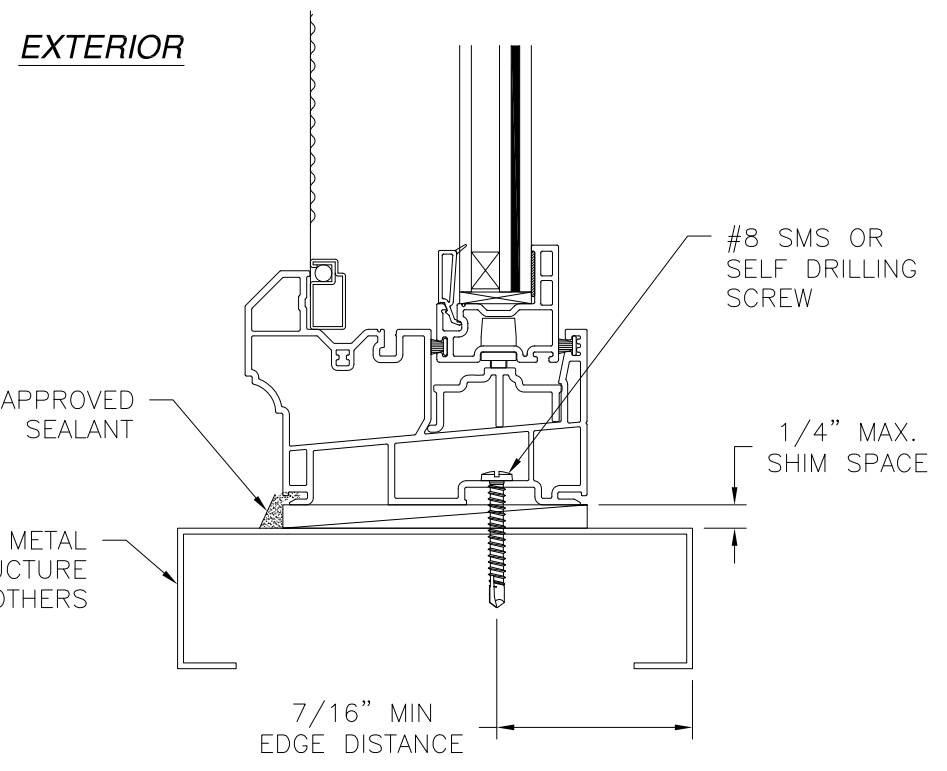
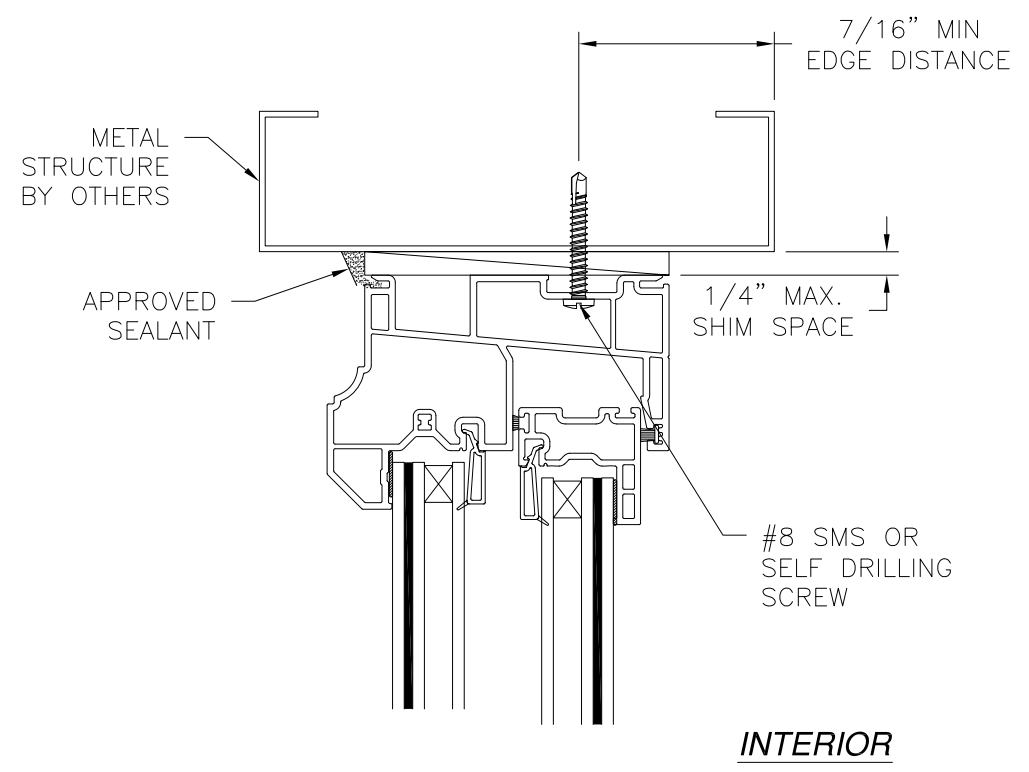
L. ROBERTO LOMAS P.E.
400 S. PALM AVE, INDIALANTIC, FL 32903
434-688-0609 rllomas@rlomaspe.com

SIGNED: 08/08/2022

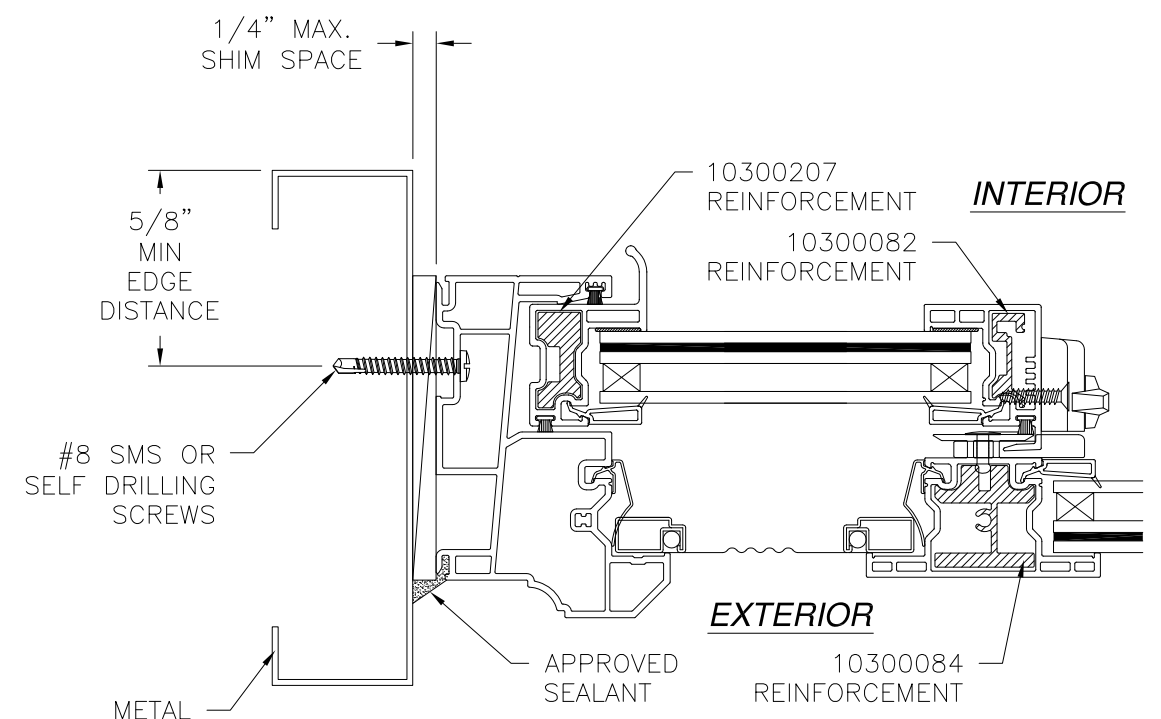


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE 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

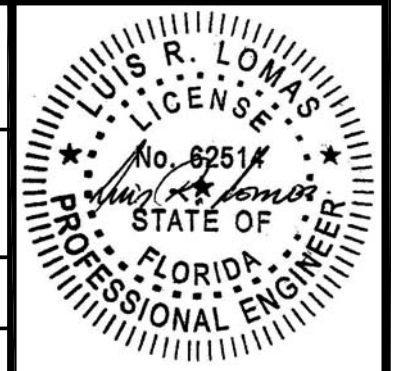
STERGIS WINDOWS & DOORS
 79 WALTON ST.
 ATTLEBORO, MA 02703

STORMGATE HORIZONTAL SINGLE SLIDER
 IMPACT
 INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03843	REV -
SCALE NTS	DATE 07/28/2022	SHEET 4 OF 8

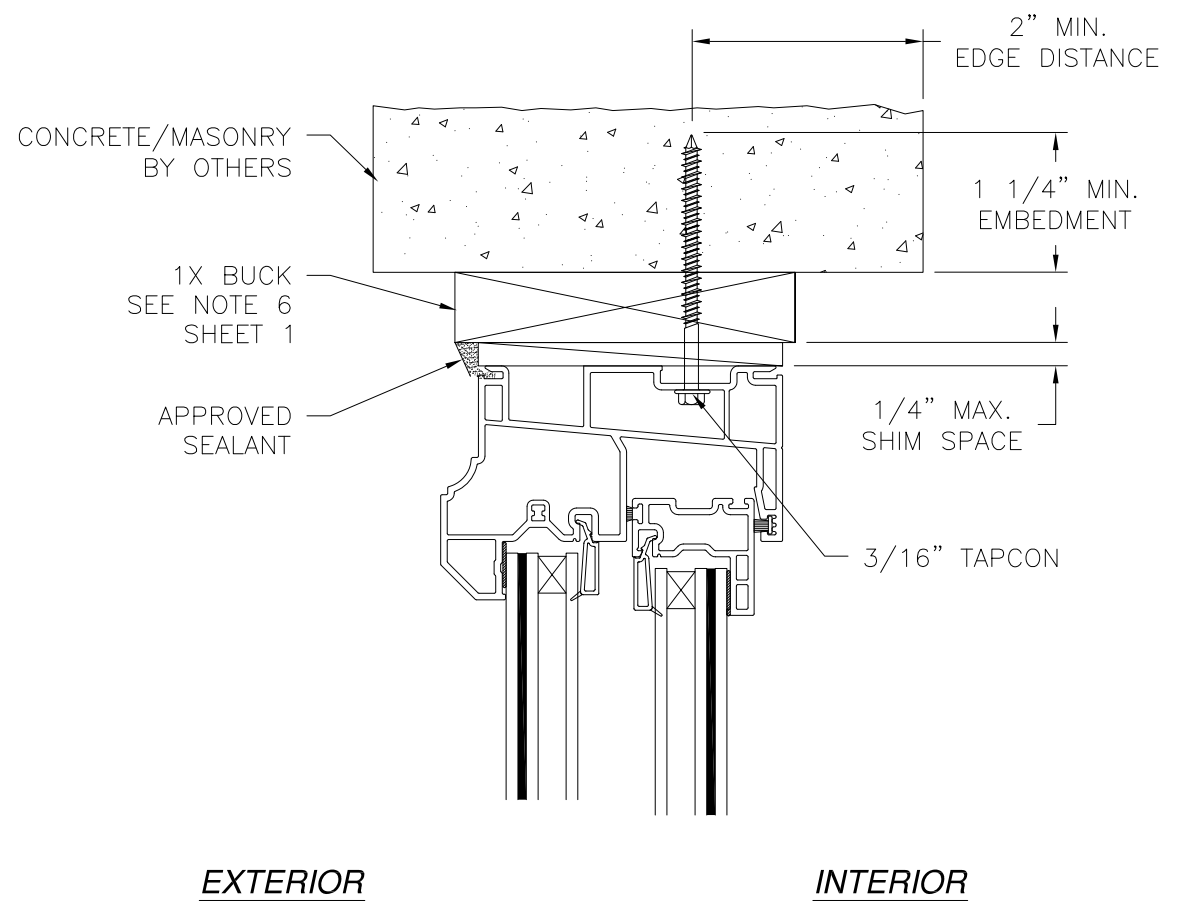
L. ROBERTO LOMAS P.E.
 400 S. PALM AVE, INDIALANTIC, FL 32903
 434-688-0609 rllomas@rlomaspe.com

SIGNED: 08/08/2022



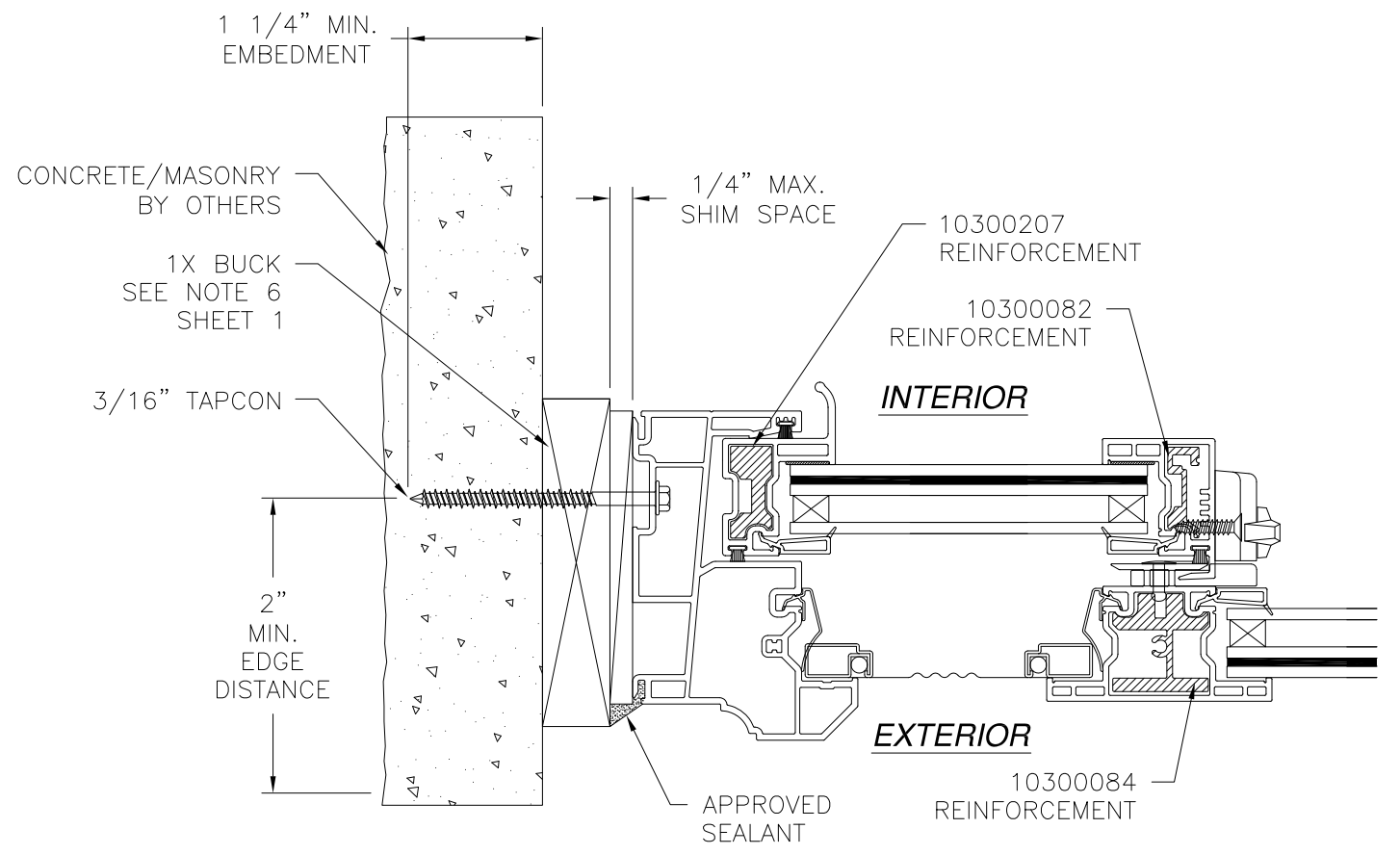
Luis R. Lomas P.E.
 FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



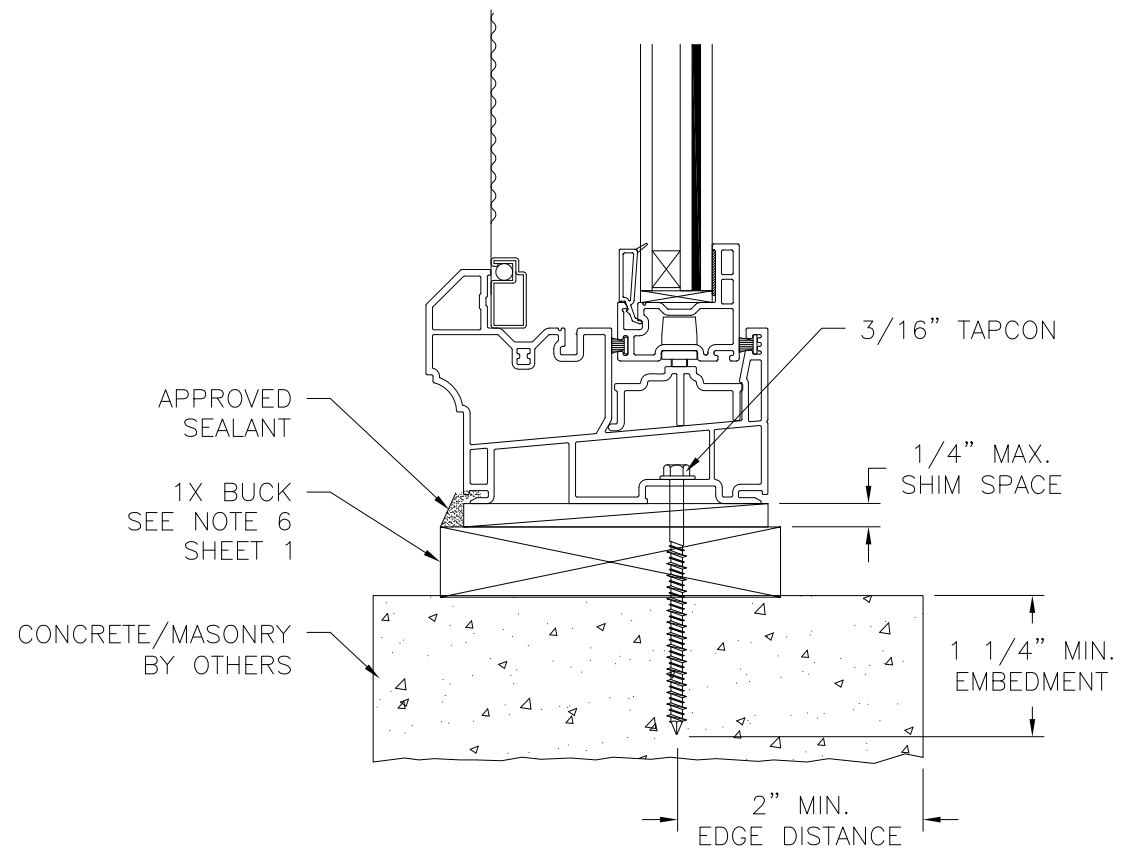
EXTERIOR

INTERIOR



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY W/1X 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



VERTICAL CROSS SECTION
CONCRETE/MASONRY W/1X BUCK INSTALLATION

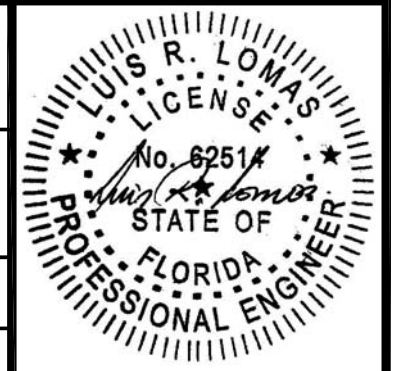
SIGNED: 08/08/2022

STERGIS WINDOWS & DOORS
79 WALTON ST.
ATTLEBORO, MA 02703

STORMGATE HORIZONTAL SINGLE SLIDER
IMPACT
INSTALLATION DETAILS

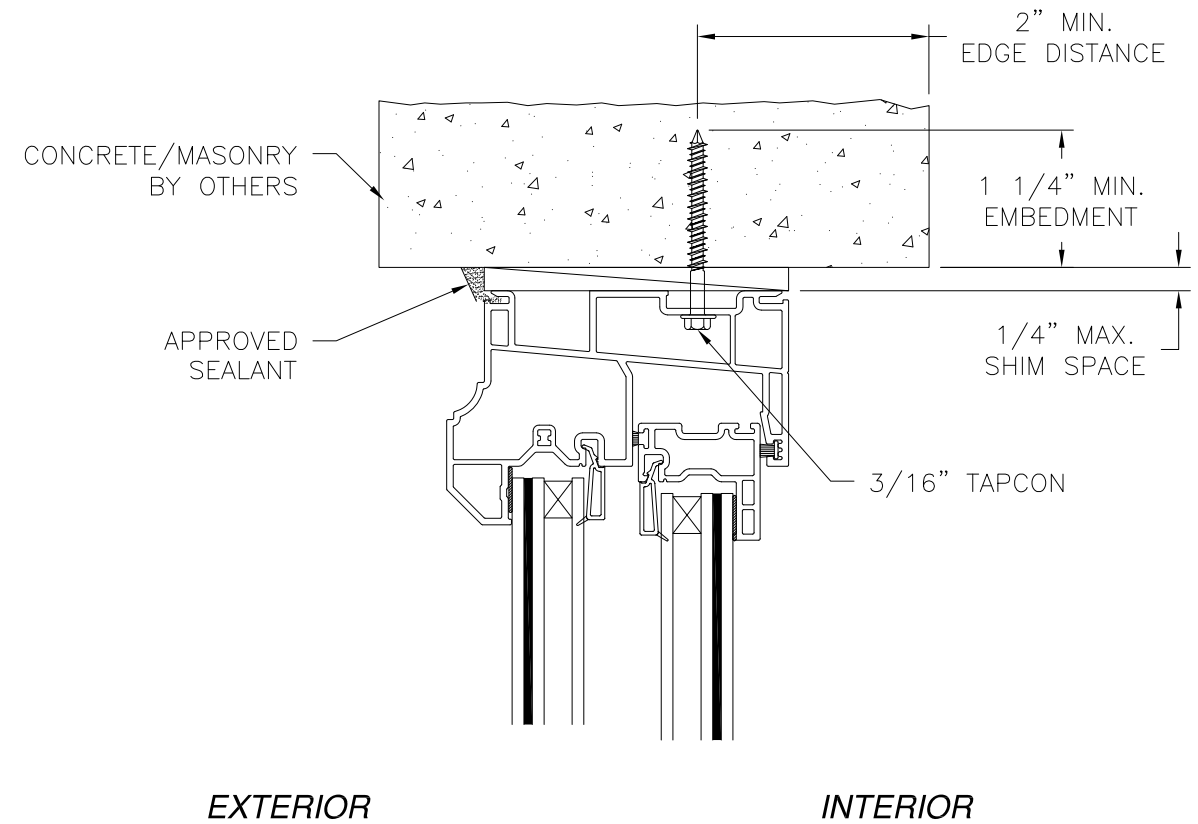
DRAWN: A.R.	DWG NO. 08-03843	REV -
SCALE NTS	DATE 07/28/2022	SHEET 5 OF 8

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



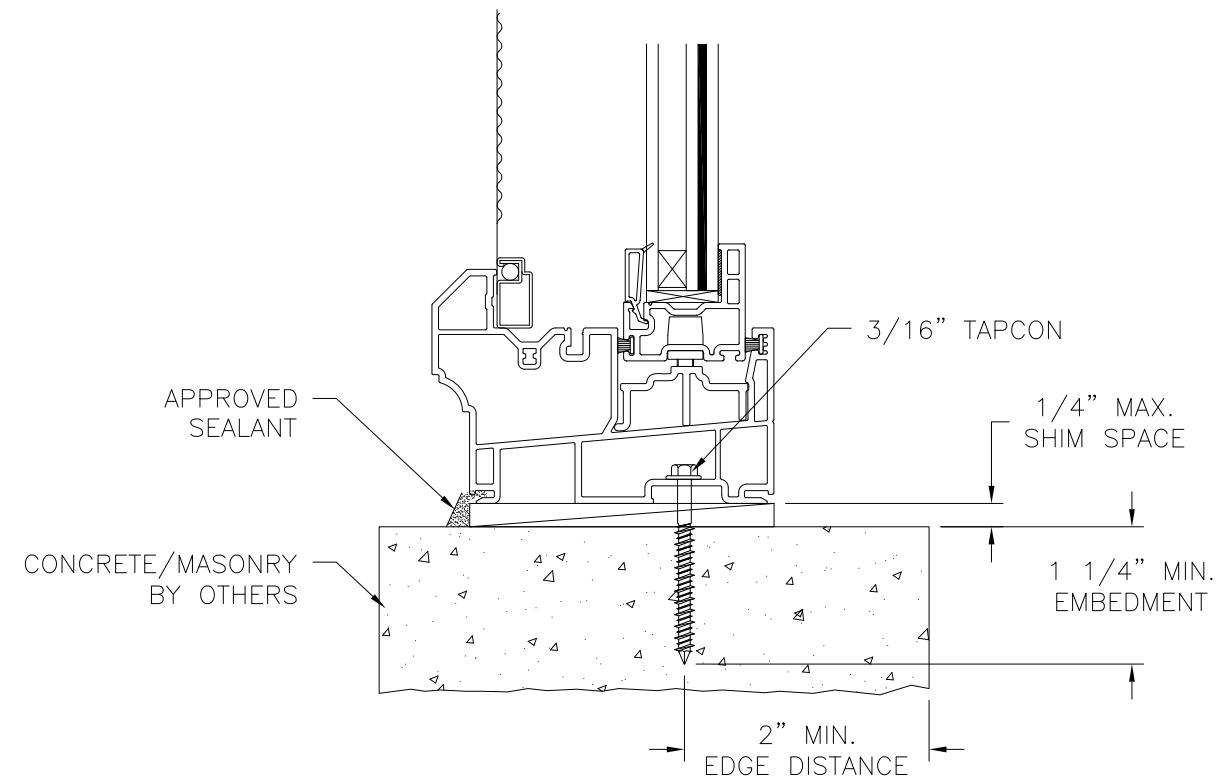
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

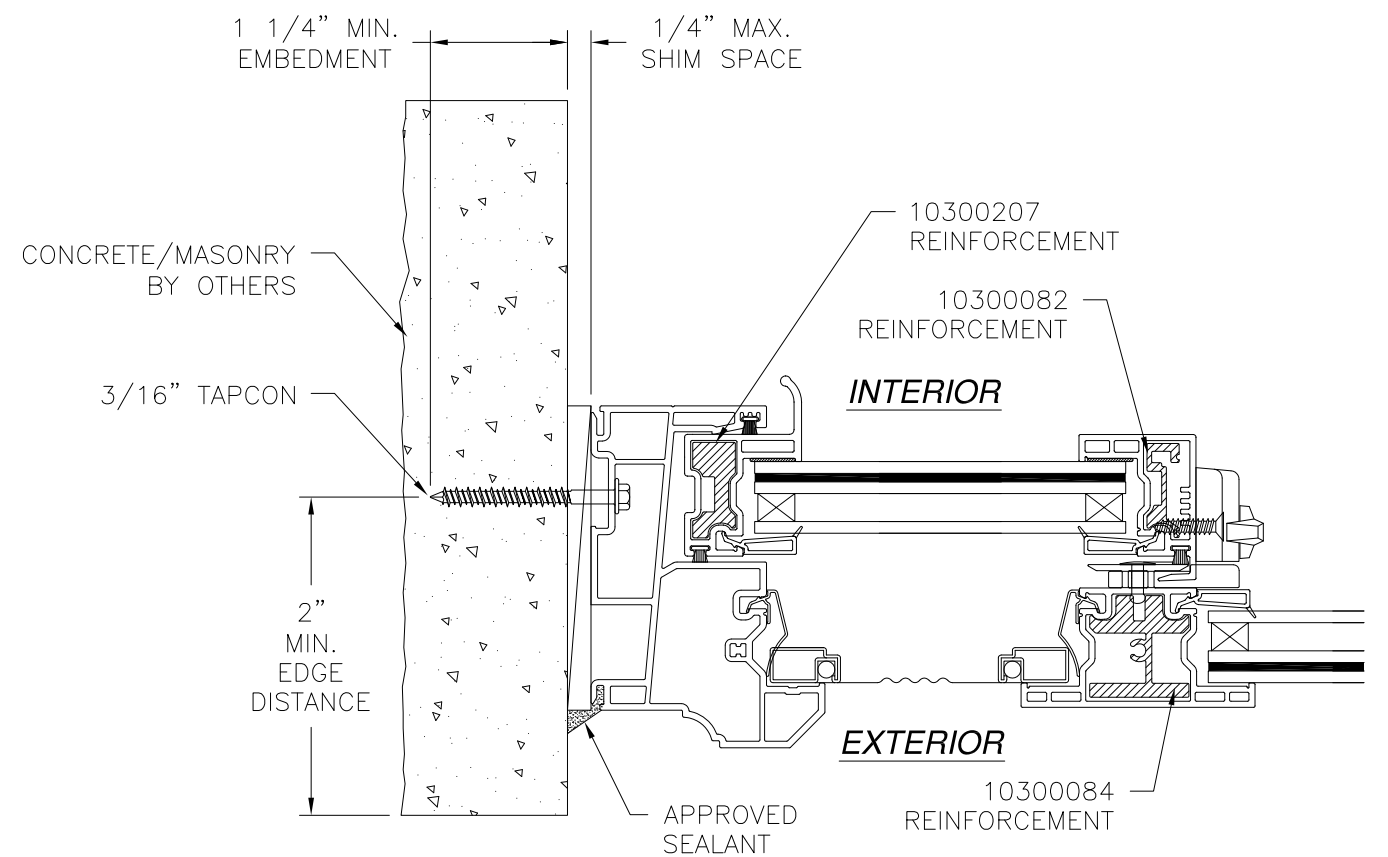


EXTERIOR

INTERIOR



**VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION**



**JAMB INSTALLATION DETAIL
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

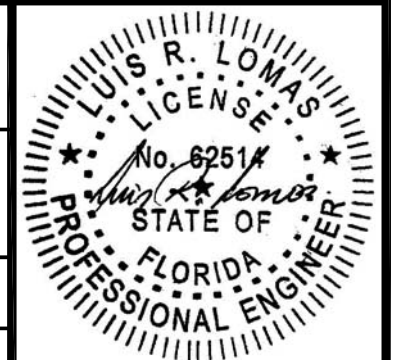
SIGNED: 08/08/2022

STERGIS WINDOWS & DOORS
79 WALTON ST.
ATTLEBORO, MA 02703

STORMGATE HORIZONTAL SINGLE SLIDER
IMPACT
INSTALLATION DETAILS

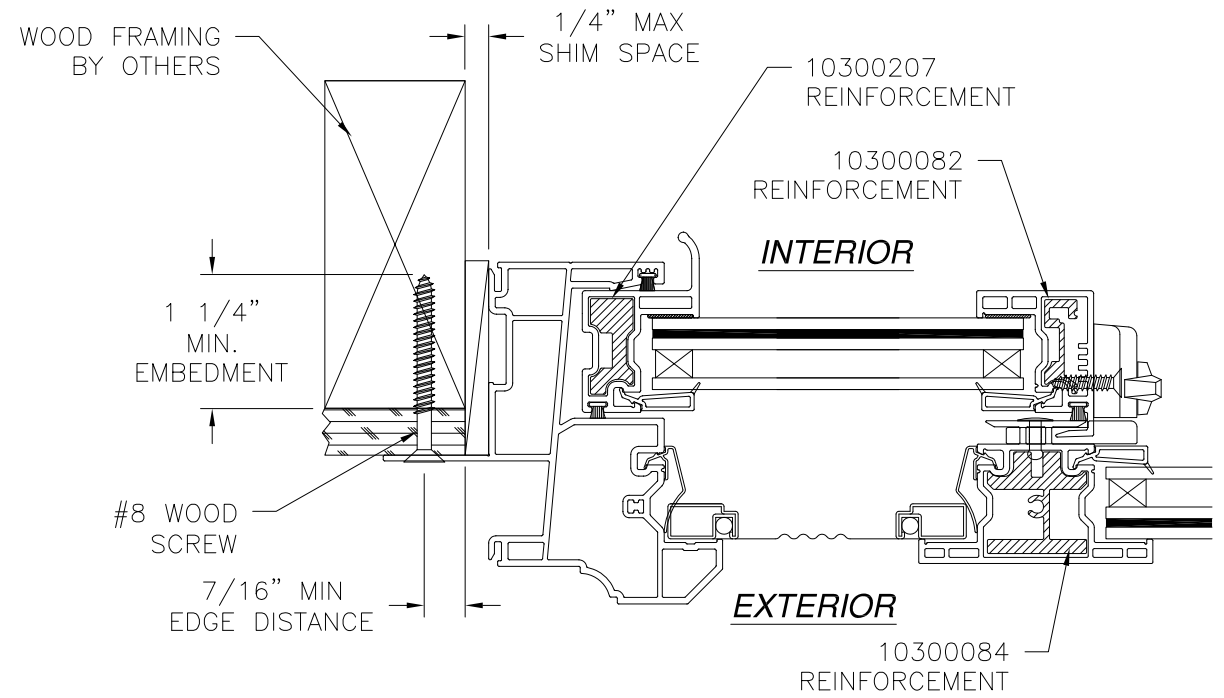
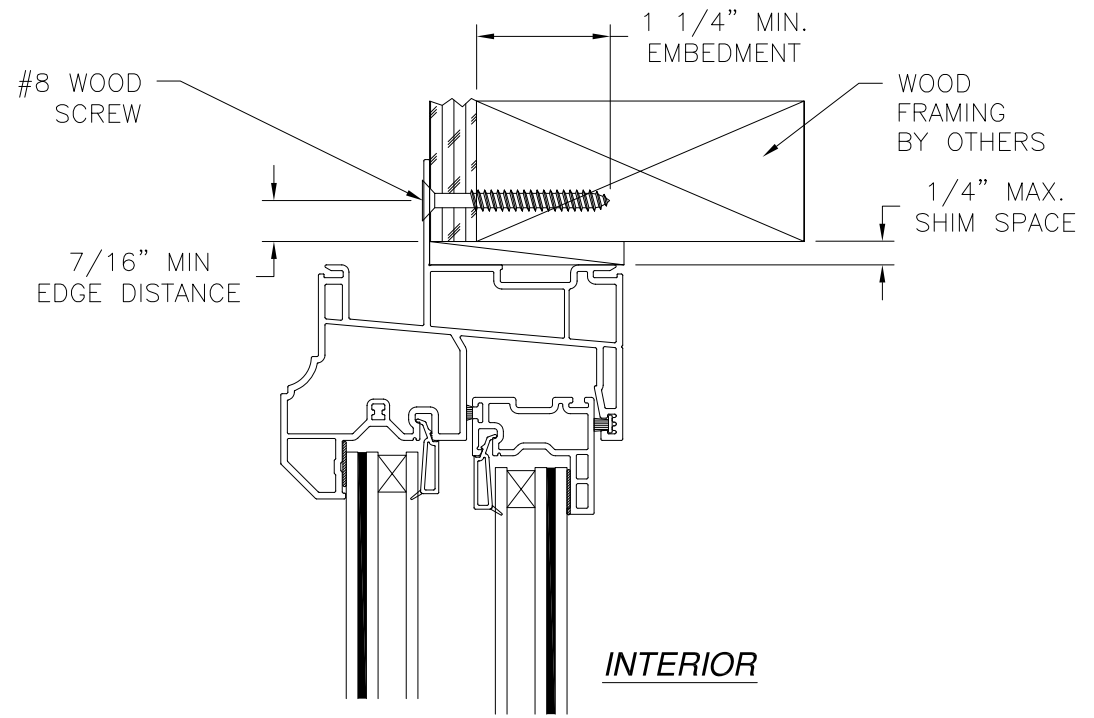
DRAWN: A.R.	DWG NO. 08-03843	REV -
SCALE NTS	DATE 07/28/2022	SHEET 6 OF 8

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

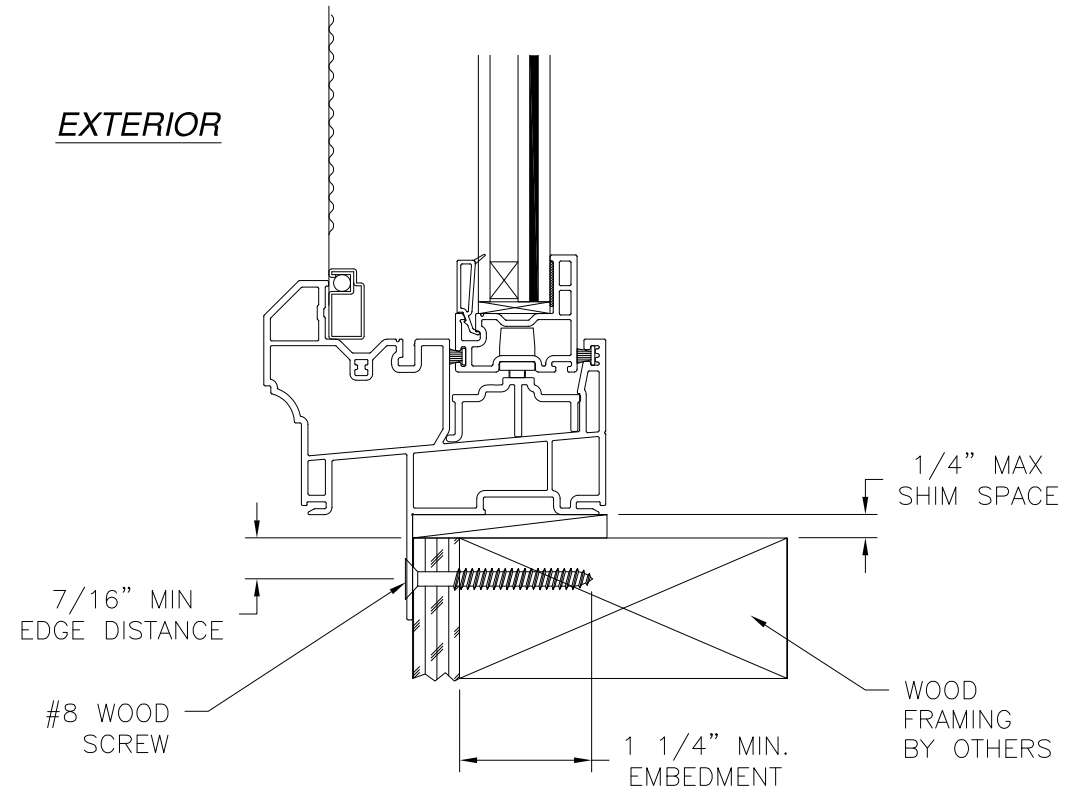


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

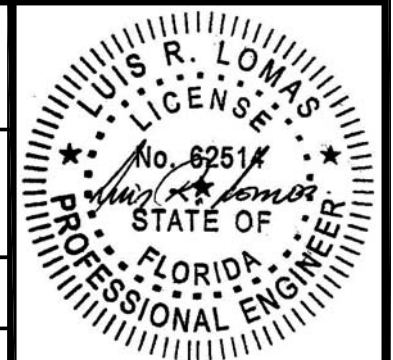


VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

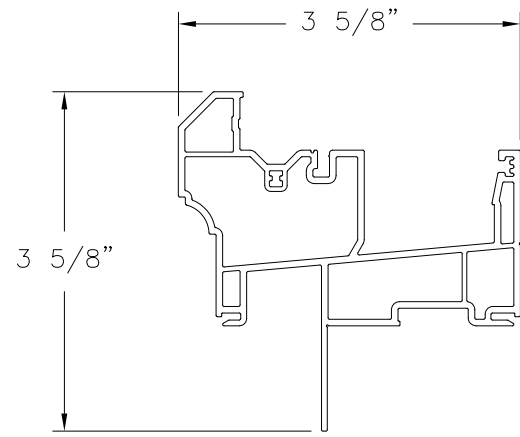
SIGNED: 08/08/2022

STERGIS WINDOWS & DOORS 79 WALTON ST. ATTLEBORO, MA 02703		
STORMGATE HORIZONTAL SINGLE SLIDER IMPACT FIN INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03843	REV -
SCALE NTS	DATE 07/28/2022	SHEET 7 OF 8
L. ROBERTO LOMAS P.E. 400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

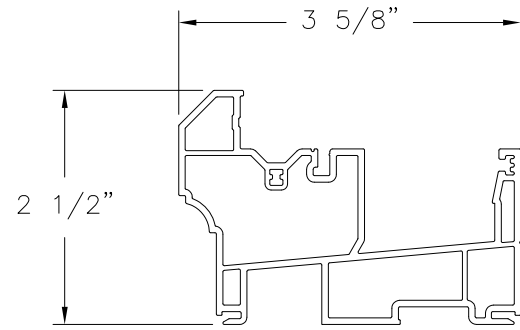


Luis R. Lomas P.E.
FL No.: 62514

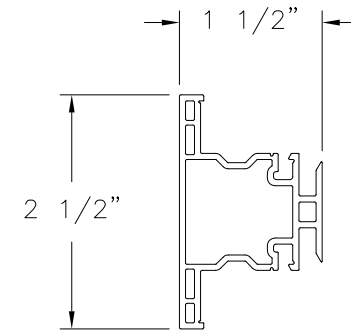
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



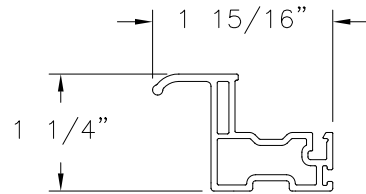
MAIN FRAME
EXTRUDED VINYL



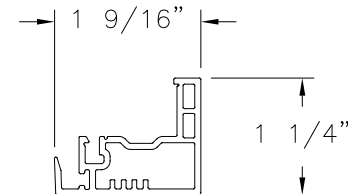
MAIN FRAME
EXTRUDED VINYL



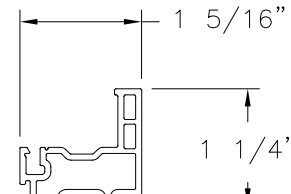
SASH FIXED MEETING RAIL
EXTRUDED VINYL



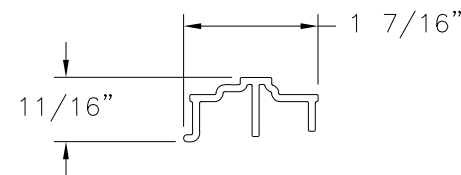
SASH PULL STILE
EXTRUDED VINYL



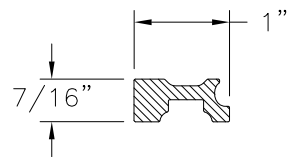
SASH RAIL
EXTRUDED VINYL



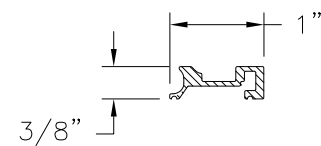
SASH TOP/BOTTOM RAIL
EXTRUDED VINYL



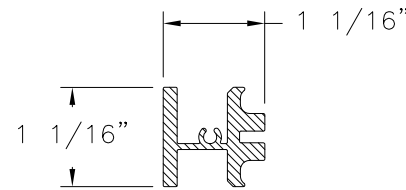
SILL COVER
EXTRUDED VINYL



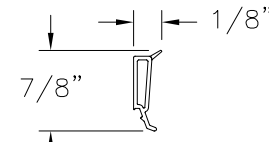
REINFORCEMENT
EXTRUDED ALUMINUM (10300207)



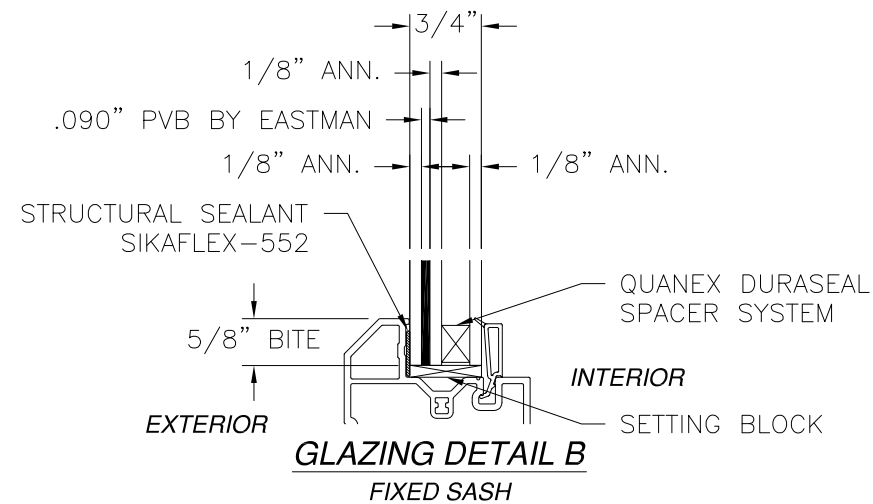
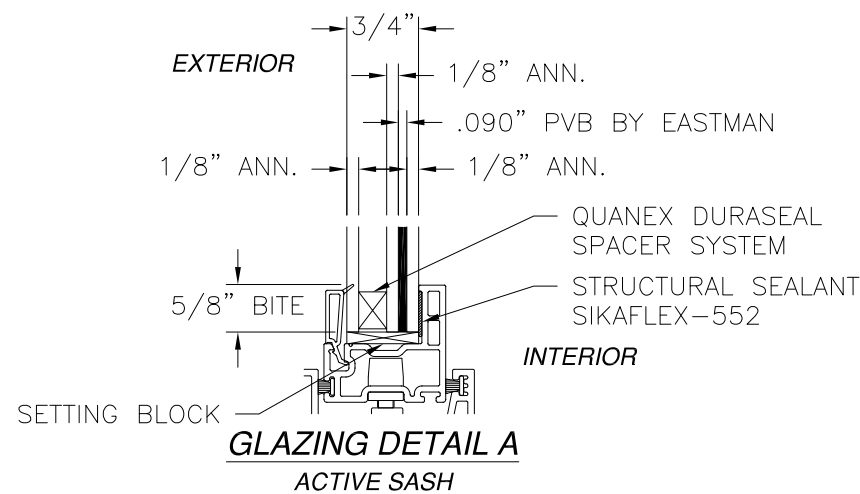
REINFORCEMENT
EXTRUDED ALUMINUM (10300082)



REINFORCEMENT
EXTRUDED ALUMINUM (10300084)



GLAZING BEAD
EXTRUDED VINYL



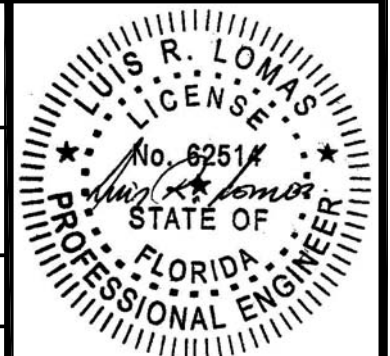
STERGIS WINDOWS & DOORS
79 WALTON ST.
ATTLEBORO, MA 02703

STORMGATE HORIZONTAL SINGLE SLIDER
IMPACT
COMPONENTS AND GLAZING DETAILS

DRAWN: A.R.	DWG NO. 08-03843	REV -
SCALE NTS	DATE 07/28/2022	SHEET 8 OF 8

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

SIGNED: 08/08/2022



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