

POLY WALL ALUMINUM FIXED LITE

EXTERIOR VIEW

WITH 2" x 3" OR 3" x 3" TUBE REINFORCEMENT AT MULLION

DESIGN PRESSURE RATING	IMPACT RATING
±60PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 INTERNATIONAL BUILDING CODE AND 2006 INTERNATIONAL RESIDENTIAL CODE WITH TEXAS STATE MODIFICATIONS.
- 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 ALUMINUM 6063-T6 .10" THICK.
- 6) UNITS MUST BE GLAZED WITH 60mm THICK POLYCARBONATE.
- 7) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT 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" ITW 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 1/4" LAG SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 11) FOR ANCHORING INTO 16GA. (.060" MIN.) STEEL FRAMING USE 1/4" SELF TAPPING SCREW WITH SUFFICIENT LENGTH TO ACHIEVE 3-THREADS BEYOND SUBSTRATE MINIMUM EMBEDMENT. 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 3,200 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. STEEL FRAMING - 16GA. (.060" MIN.) THICKNESS.
- 14) APPROVED CONFIGURATIONS: XX SHOWN, UNLIMITED PANELS ARE APPROVED AS LONG AS INDIVIDUAL PANEL D.L.O. SIZE DOES NOT EXCEED PANEL D.L.O. SIZE STATED HEREIN.

SIGNED: 07/12/2011

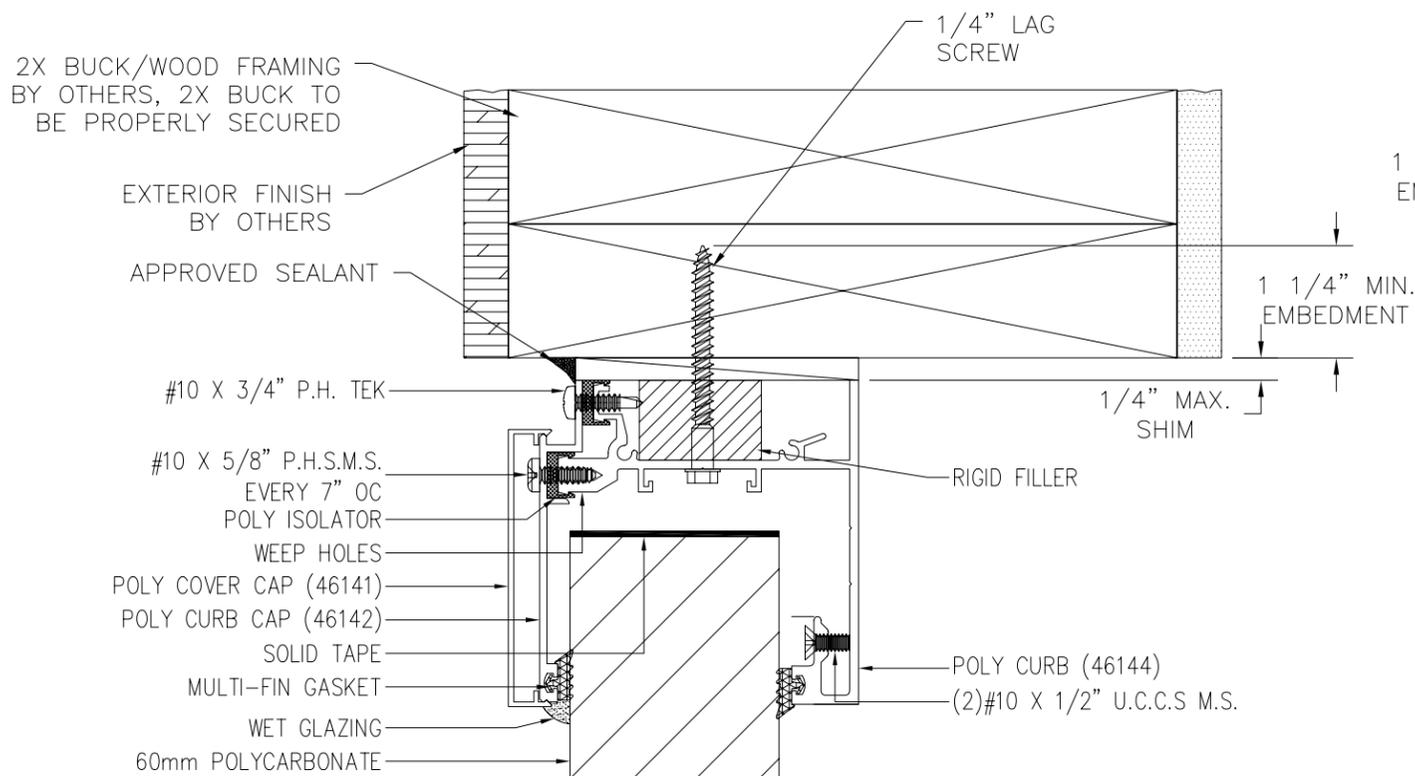
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POLY WALL ALUMINUM FIXED LITE WITH POLYCARBONATE INFILL - IMPACT ELEVATION, ANCHORING LAYOUT AND NOTES		
DRAWN: TJH	DWG NO. 08-01047	REV -
SCALE NTS	DATE 08/04/10	SHEET 1 OF 5



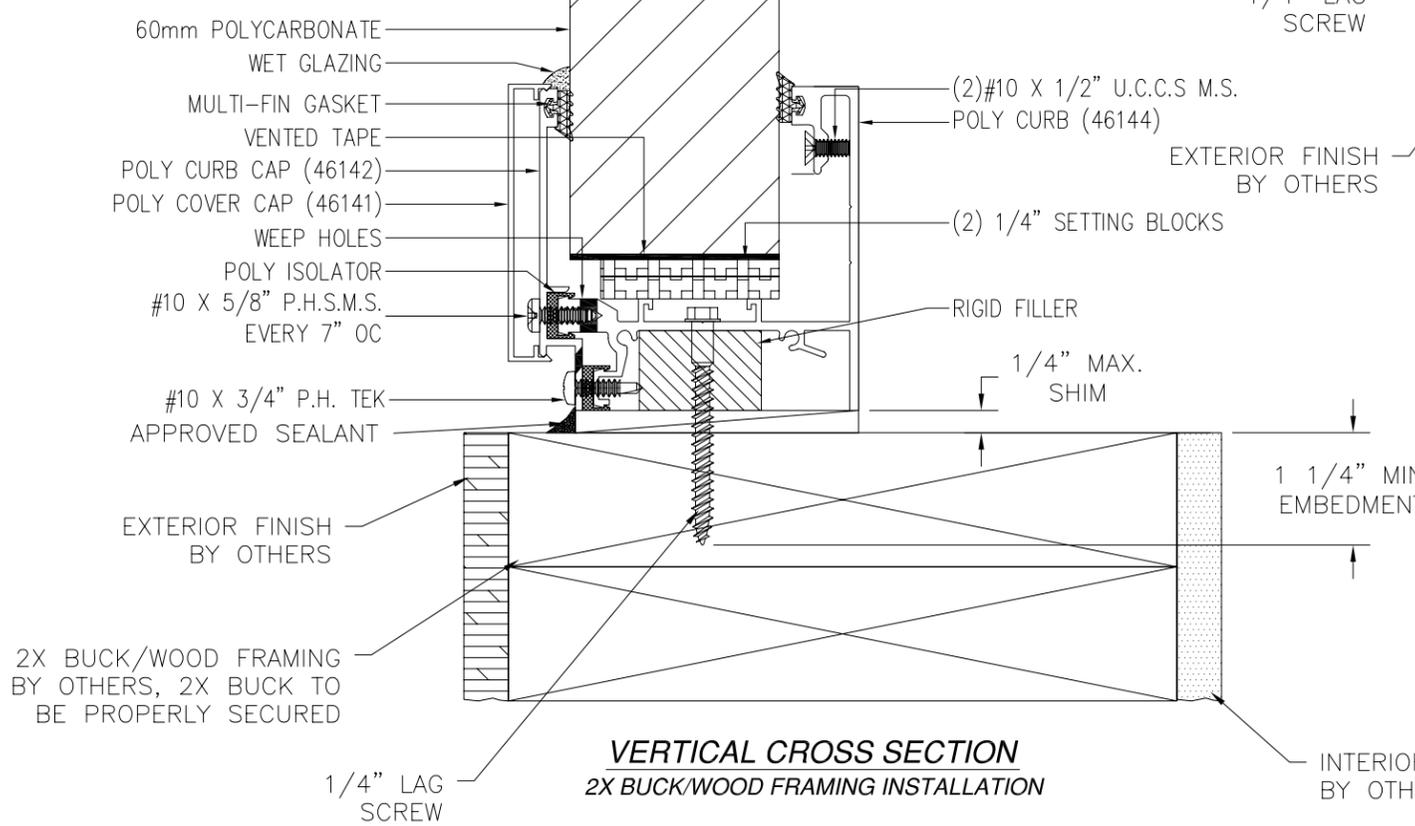
Luis R. Lomas P.E.
Texas No. 101889

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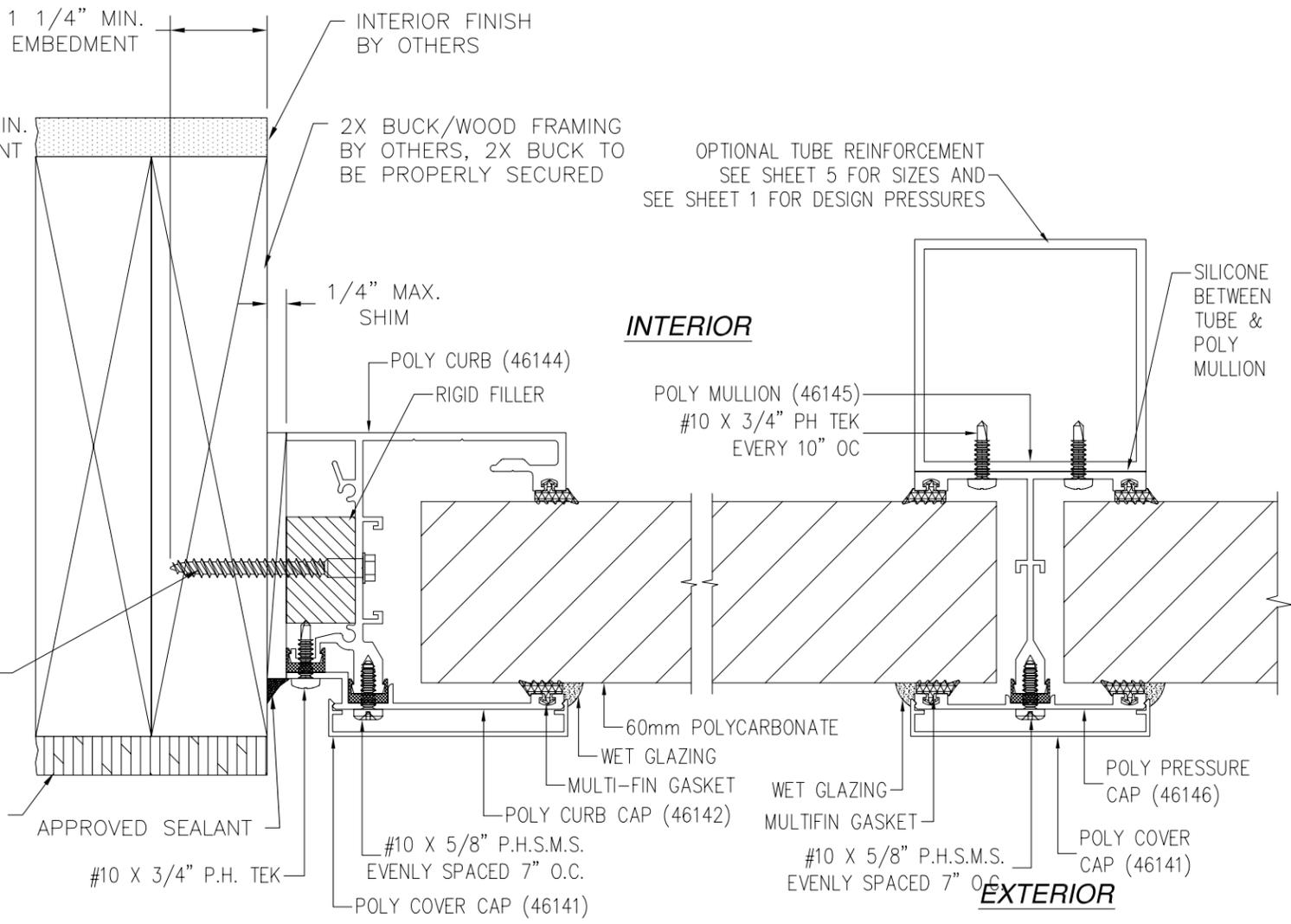
EXTERIOR

INTERIOR



**VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION**

INTERIOR FINISH BY OTHERS



**HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION**

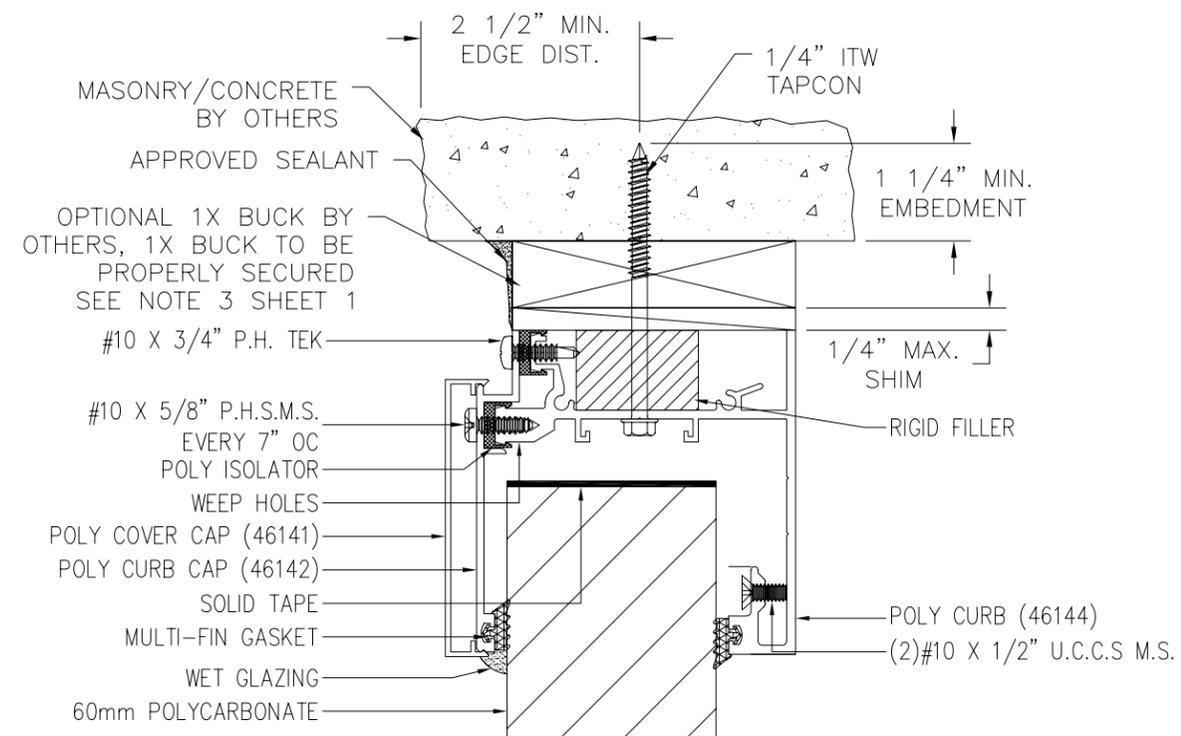
SOLAR INNOVATIONS
31 ROBERTS RD
PINE GROVE, PA 17963

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WITH POLYCARBONATE INFILL - IMPACT
INSTALLATION DETAILS

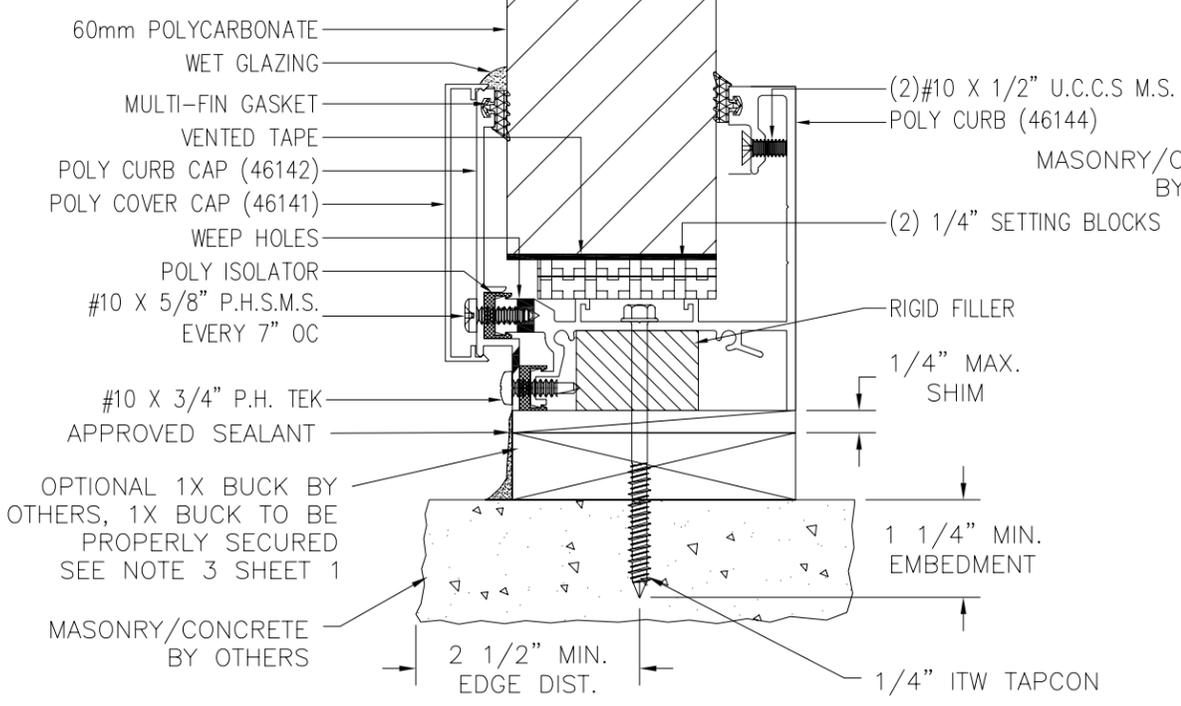
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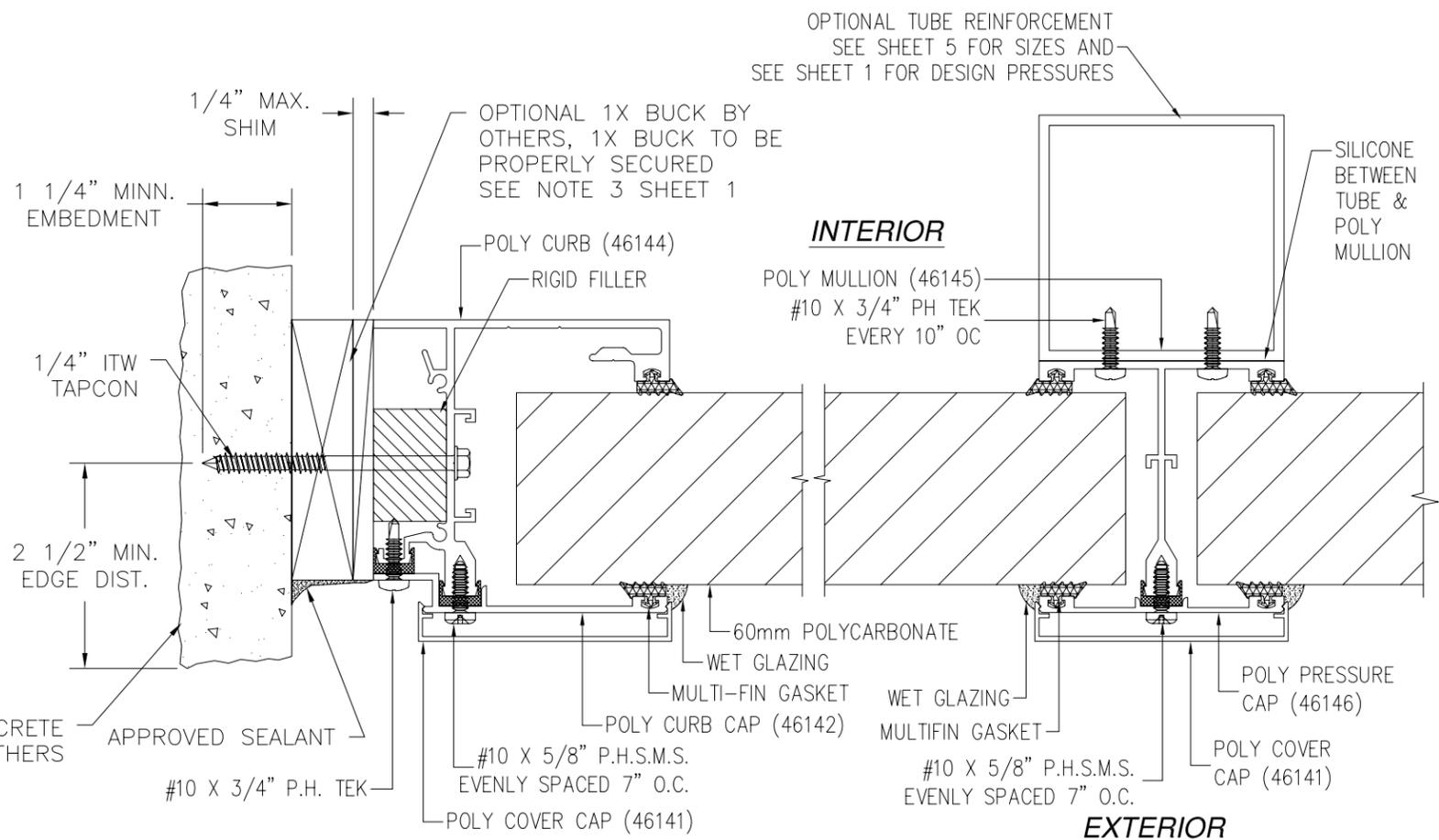
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EXTERIOR **INTERIOR**



VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION



INTERIOR

EXTERIOR

HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

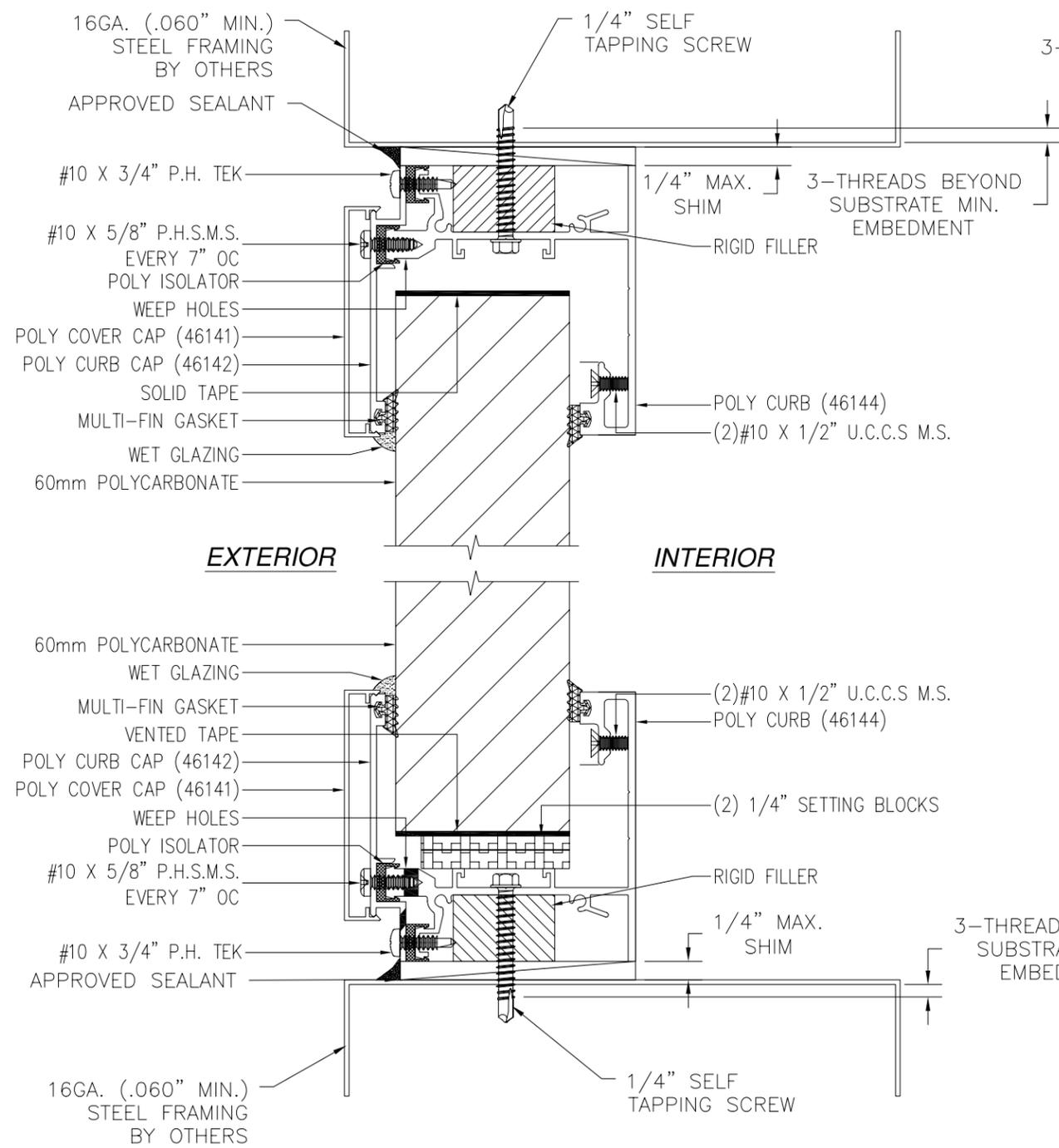
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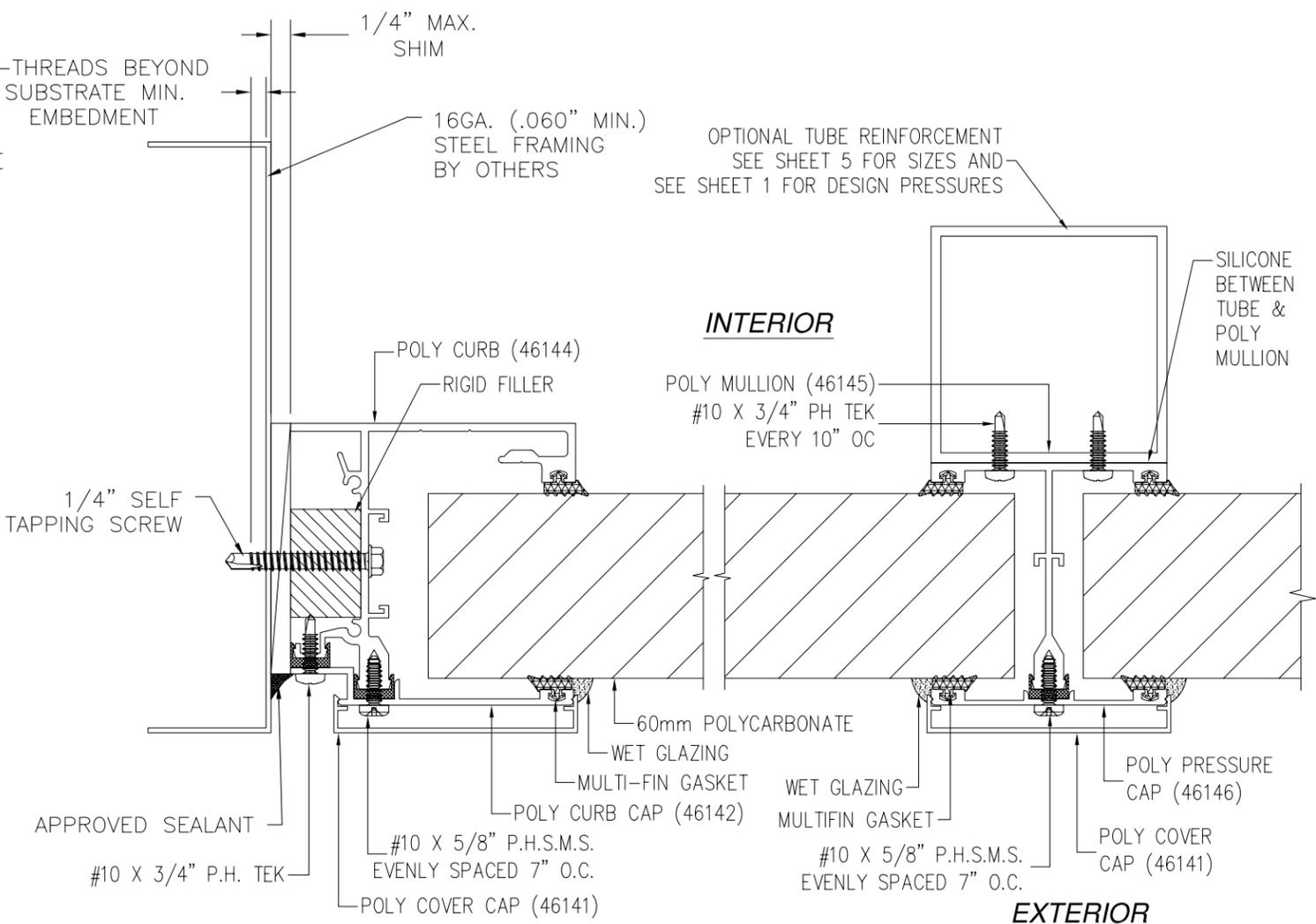
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VERTICAL CROSS SECTION
STEEL FRAMING INSTALLATION



HORIZONTAL CROSS SECTION
STEEL FRAMING INSTALLATION

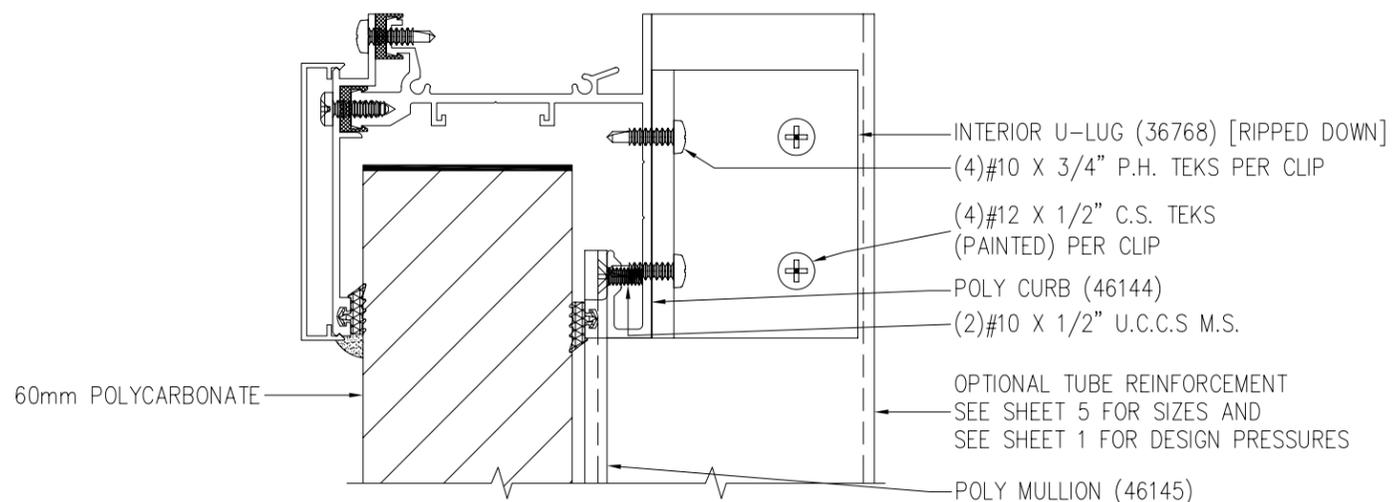
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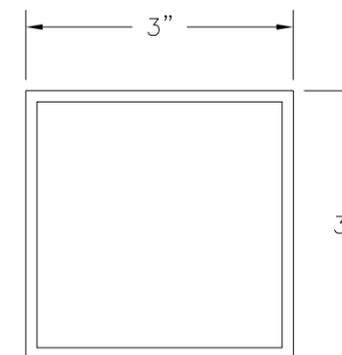
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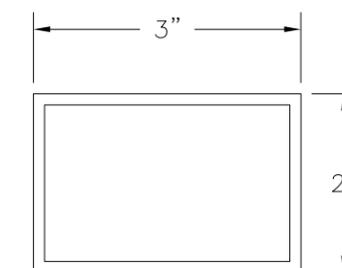
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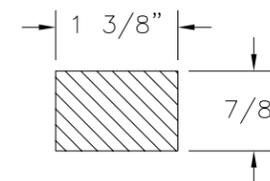
MULLION INSTALLATION DETAIL
 MULLION HEAD SHOWN, MULLION
 SILL SIMILAR



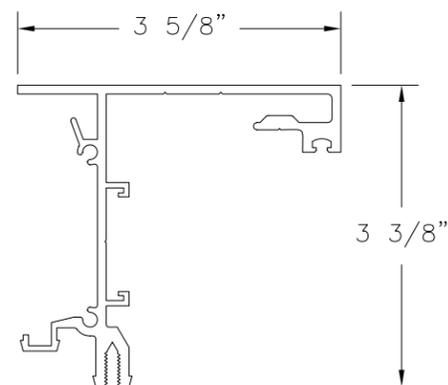
POLY MULLION REINFORCEMENT
 EXTRUDED ALUMINUM 6063-T6 .125" THICK



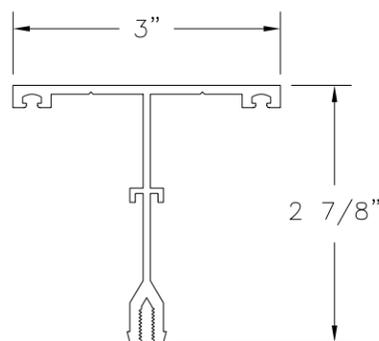
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 EXTRUDED ALUMINUM 6063-T6 .125" THICK



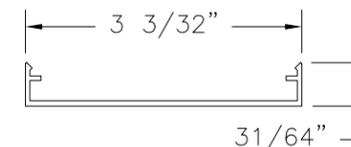
RIGID FILLER
 RIGID PVC



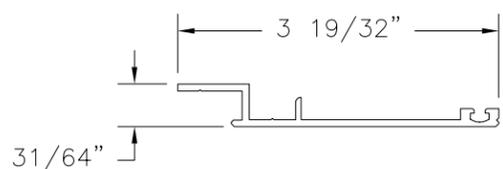
POLY CURB (46144)
 EXTRUDED ALUMINUM 6063-T6 .10" THICK



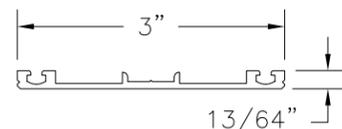
POLY MULLION (46145)
 EXTRUDED ALUMINUM 6063-T6 .08" THICK



POLY COVER CAP (46141)
 EXTRUDED ALUMINUM 6063-T5 .06" THICK



POLY CURB CAP (46142)
 EXTRUDED ALUMINUM 6063-T6 .08" THICK



POLY PRESSURE CAP (46146)
 EXTRUDED ALUMINUM 6063-T6 .06" THICK

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