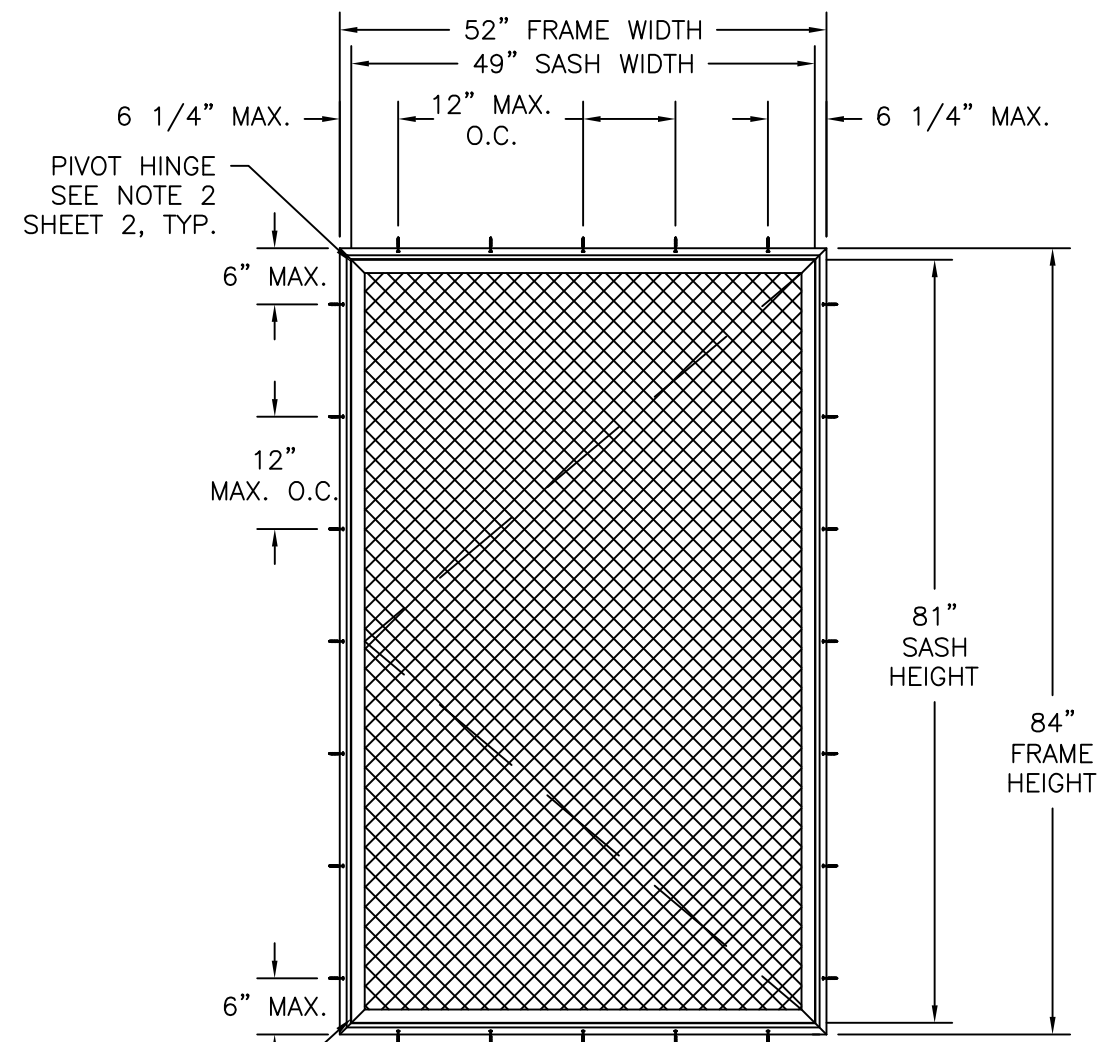


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REV	DESCRIPTION	DATE	APPROVED
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PIVOT HINGE
SEE NOTE 2
SHEET 2, TYP.

300-12 SIDE PIVOT ALUMINUM SCREEN
EXTERIOR VIEW

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

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

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, METAL STRUCTURE 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 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-T5 .080" THICK.
6. SASH MATERIAL: EXTRUDED ALUMINUM 6063-T5 .088" THICK.
7. SCREEN MATERIAL: .035" STAINLESS STEEL WITH 12 x12 STRANDS PER SQUARE INCH AND .048" OPEN SPACE BETWEEN STRANDS. MESH FINISH MAY BE NATURAL OR PAINTED.
8. APPROVED PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

SIGNED: 12/28/2023

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3 - 6	INSTALLATION DETAILS
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TAPCO INCORPORATED

1815 McCULLOUGH BLVD

TUPELO, MS 38801

300 SERIES SIDE PIVOT ALUMINUM

HURRICANE SCREEN IMPACT HVHZ

300-12 ELEVATION AND NOTES

DRAWN:

DWG NO.

REV

J.L.

08-02478A

A

SCALE

DATE

SHEET

NTS

09/02/14

1 OF 7

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS

LICENSE

No. 62514

STATE OF

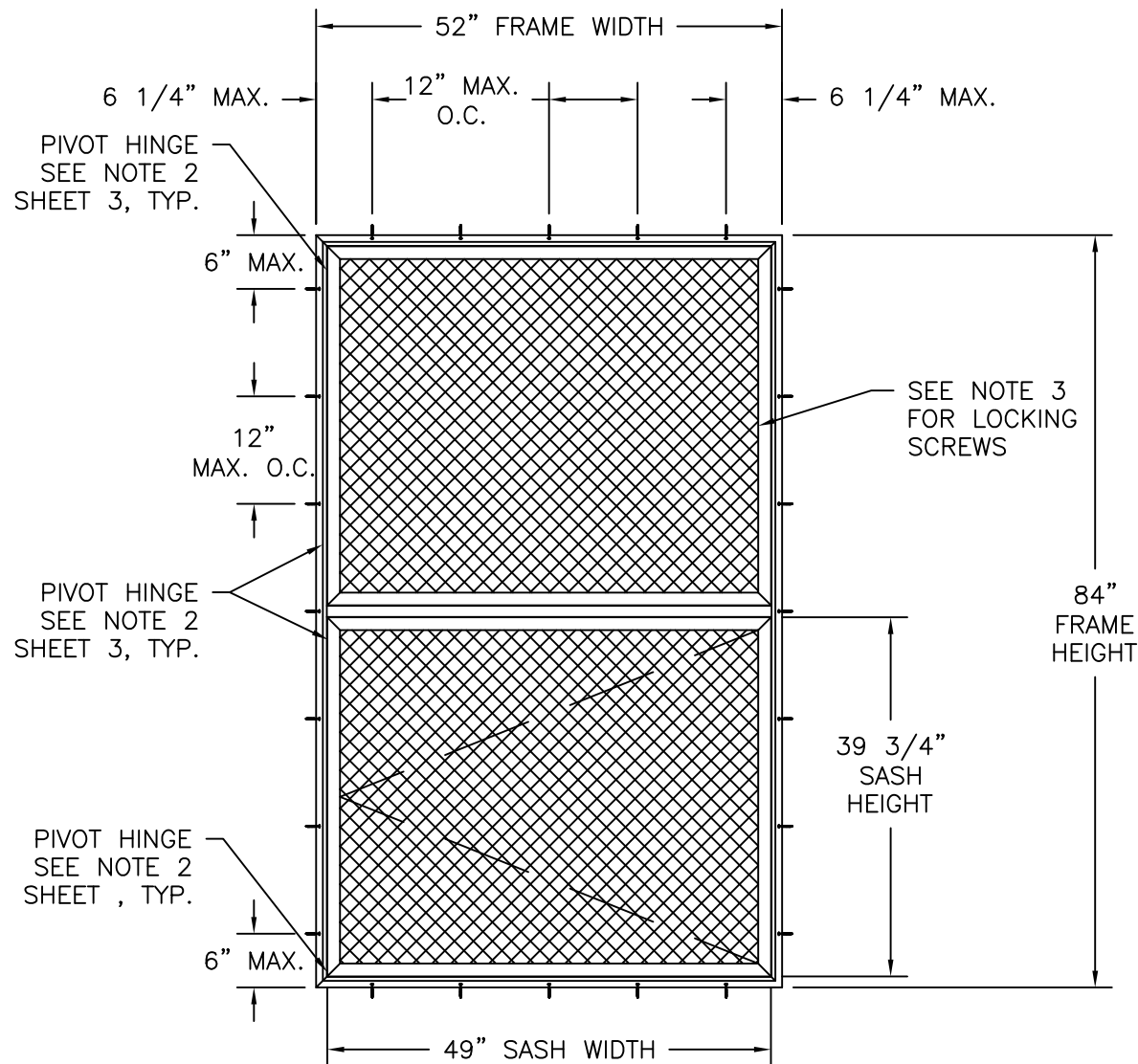
FLORIDA

PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

FL No.: 62514

REVISIONS			
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- NOTES:
1. SINGLE WITH TRANSOM SHOWN WITH ACTIVE SASH ON BOTTOM AND FIXED SASH ON TOP. HORIZONTAL MULLED UNITS CAN BE MULLED IN ANY COMBINATION OF ACTIVE AND FIXED SASHES AS LONG AS INDIVIDUAL SASH DOES NOT EXCEED OVERALL SASH SIZE AS SHOWN HEREIN AND HORIZONTAL MULLION DOES NOT EXCEED 51 1/4".
 2. PIVOT HINGES ARE LOCATED AT TOP AND BOTTOM OF EACH SASH. PIVOT HINGES ARE $\phi 1/4"$ x 2 1/2".
 3. INSTALL LOCKING SCREWS #10x1 1/2" AT FIXED SASH AS FOLLOWS: 6" FROM EACH SASH END AND ONE MORE AT CENTER OF SASH.

300-13 SIDE PIVOT MULLED ALUMINUM SCREEN
EXTERIOR VIEW

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

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

SIGNED: 12/28/2023

TAPCO INCORPORATED

1815 McCULLOUGH BLVD

TUPELO, MS 38801

300 SERIES SIDE PIVOT ALUMINUM HURRICANE SCREEN

IMPACT HVHZ

300-13F ELEVATION AND NOTES

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DWG NO. 08-02478A

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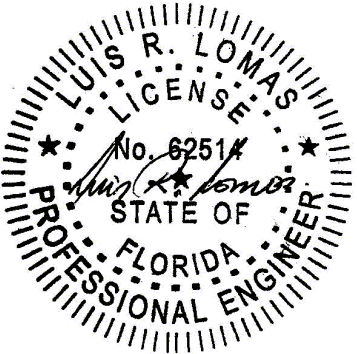
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SHEET 2 OF 7

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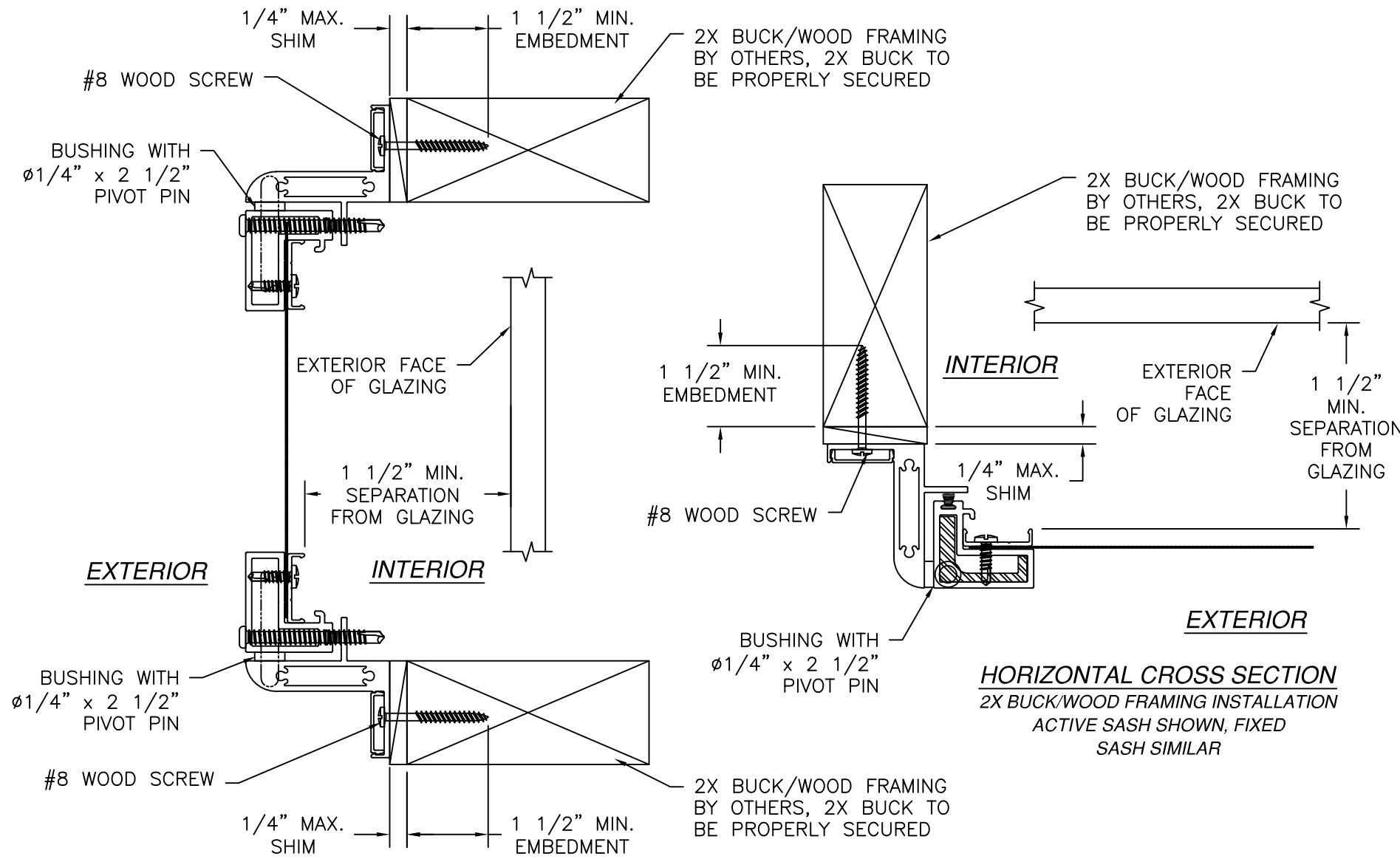
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- ANCHORING NOTES:
1. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
 2. FOR ANCHORING INTO MASONRY USE 3/16" ELCO ULTRACON TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 3/4" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 3. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 4. FOR ANCHORING INTO 16GA. MINIMUM STEEL STUD FRAMING USE #8 TEK SCREW WITH SUFFICIENT LENGTH TO ACHIEVE 3-THREAD PITCH MINIMUM BEYOND SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 5. FOR ANCHORING INTO 1" x 1 1/4" x 1/8" THICK WALL MINIMUM ALUMINUM 6063-T6 TUBE FRAMING USE #10 TEK SCREW WITH SUFFICIENT LENGTH TO ACHIEVE 3-THREAD PITCH MINIMUM BEYOND SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 6. ALL FASTENERS TO BE CORROSION RESISTANT.
 7. 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:
 - 7.A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 7.B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
 - 7.C. MASONRY: STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - 7.D. STEEL STUD FRAMING: 16GA. MINIMUM.
 - 7.E. ALUMINUM TUBE FRAMING: 6063-T6 1" x 1 1/4" x 1/8" MINIMUM WALL.

VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION
SINGLE SCREEN SHOWN, MULLED
SCREEN SIMILAR

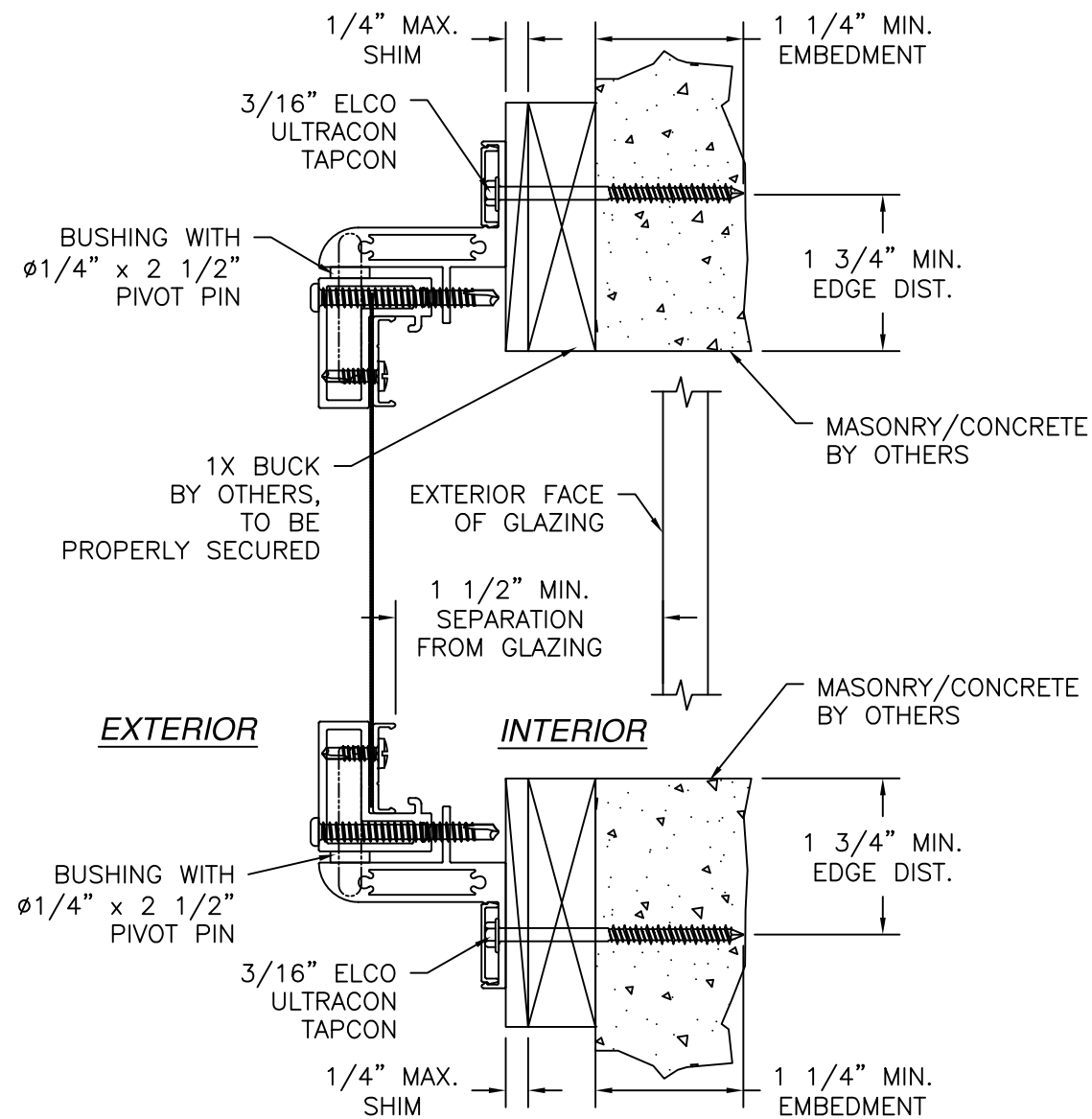
HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION
ACTIVE SASH SHOWN, FIXED
SASH SIMILAR

TAPCO INCORPORATED 1815 McCULLOUGH BLVD TUPELO, MS 38801		
300 SERIES SIDE PIVOT ALUMINUM HURRICANE SCREEN IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: J.L.	DWG NO. 08-02478A	REV A
SCALE NTS	DATE 09/02/14	SHEET 3 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

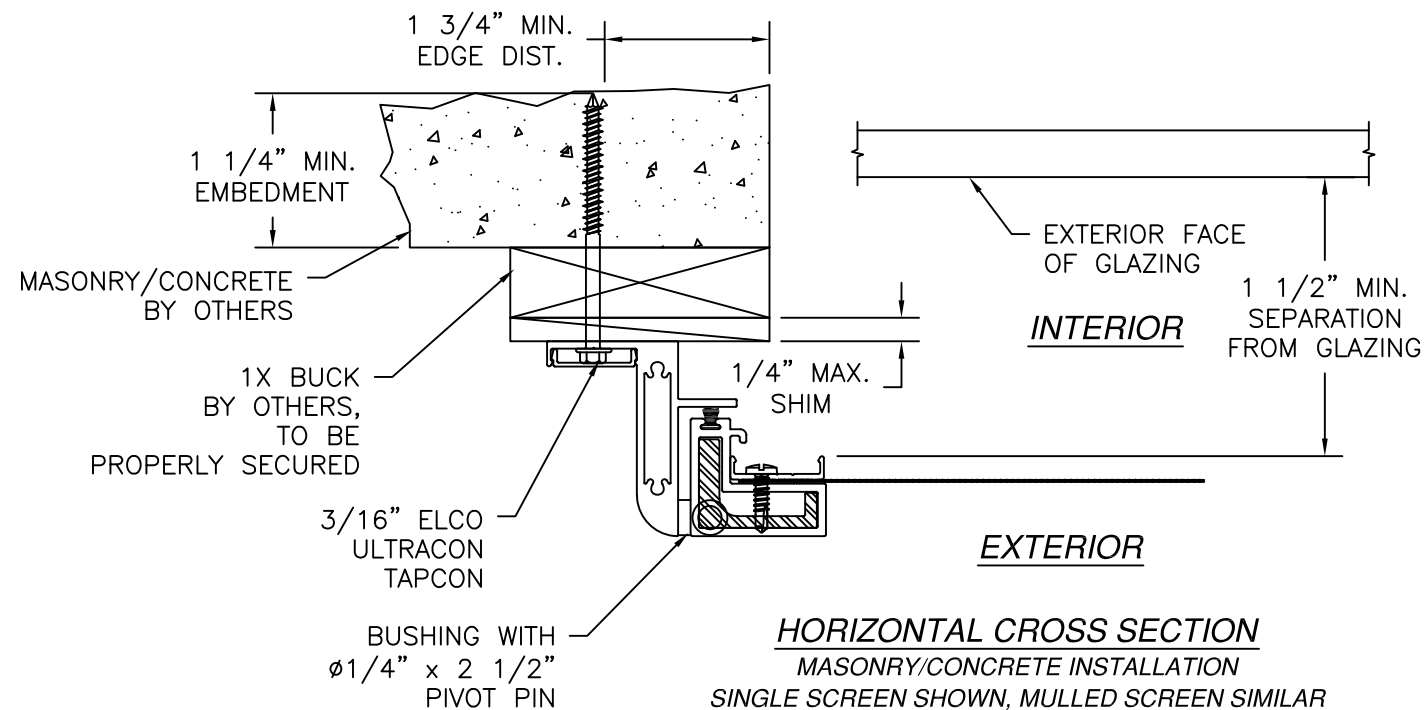
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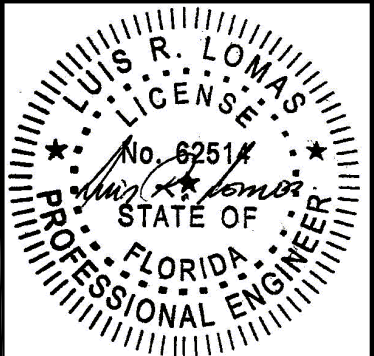


VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION
SINGLE SCREEN SHOWN, MULLED
SCREEN SIMILAR



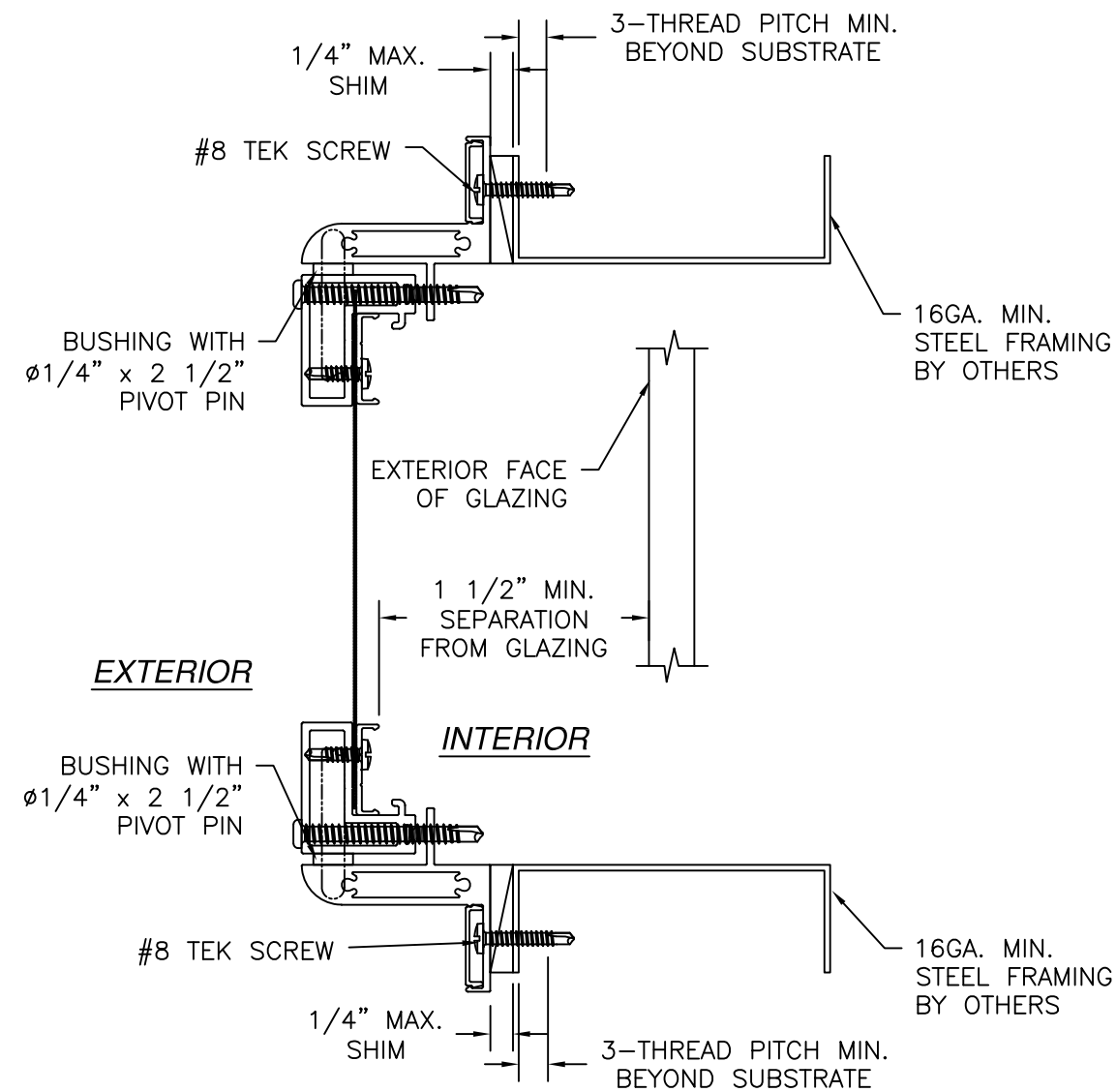
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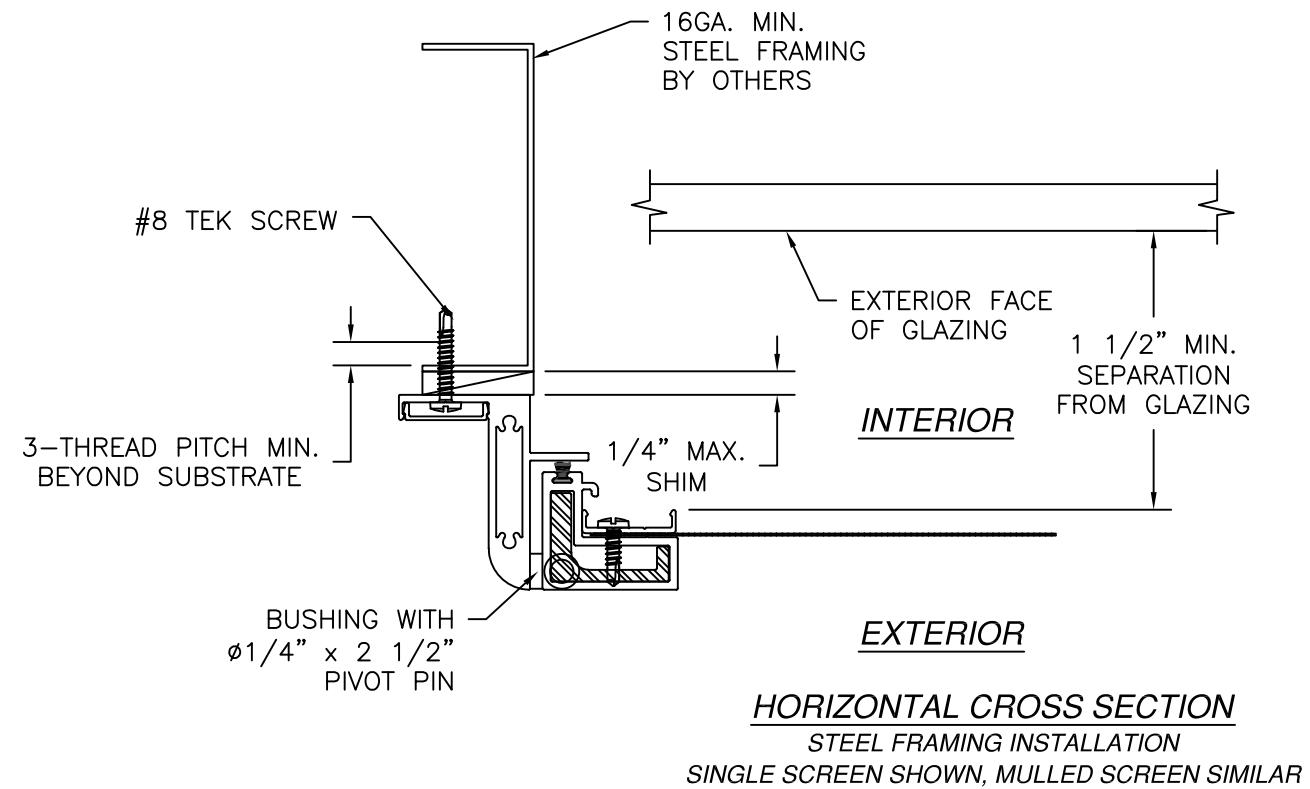


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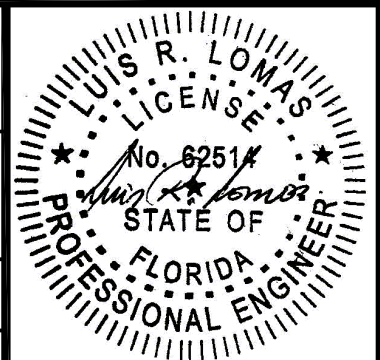
VERTICAL CROSS SECTION
STEEL FRAMING INSTALLATION
SINGLE SCREEN SHOWN, MULLED
SCREEN SIMILAR



HORIZONTAL CROSS SECTION
STEEL FRAMING INSTALLATION
SINGLE SCREEN SHOWN, MULLED SCREEN SIMILAR

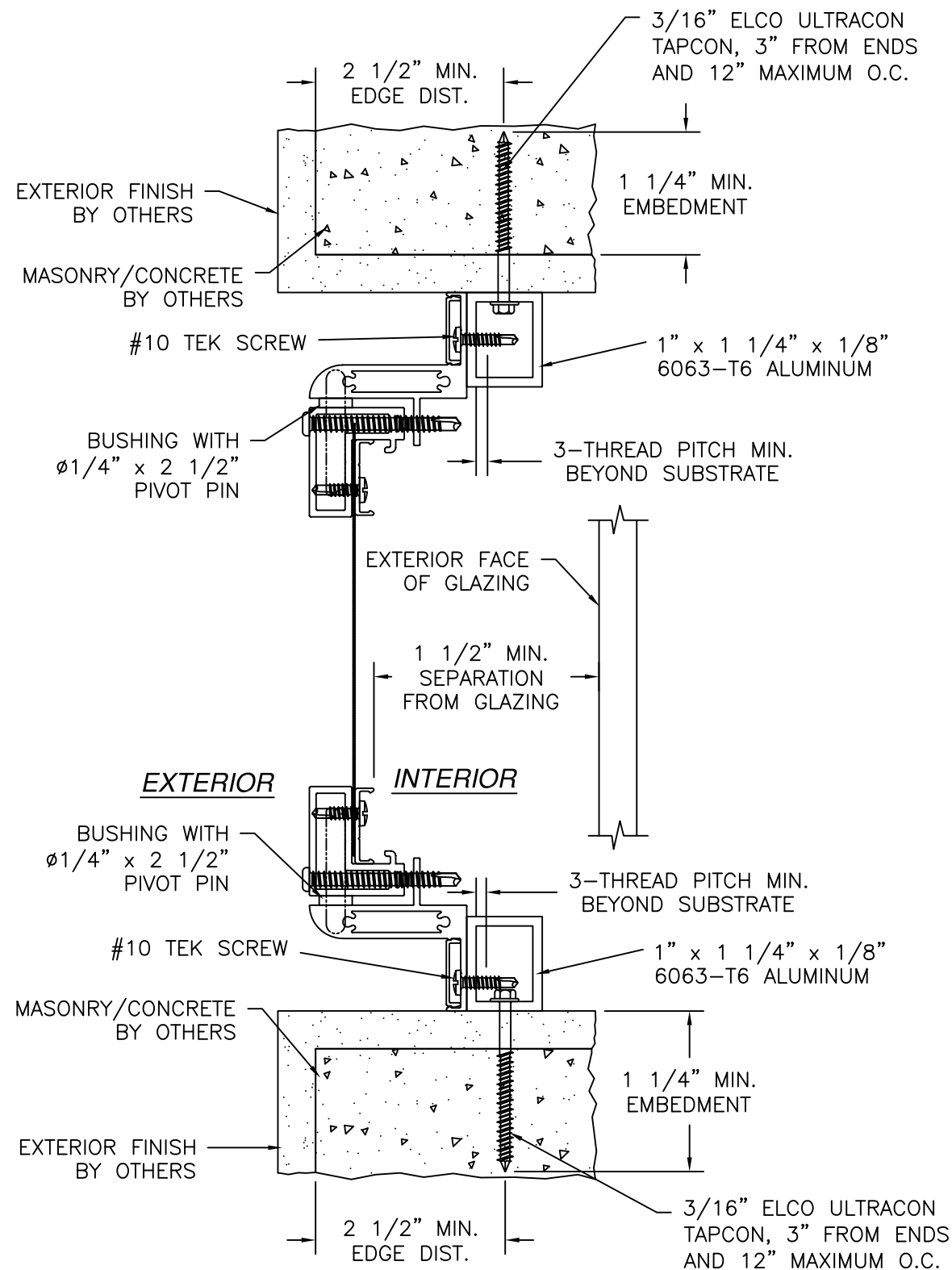
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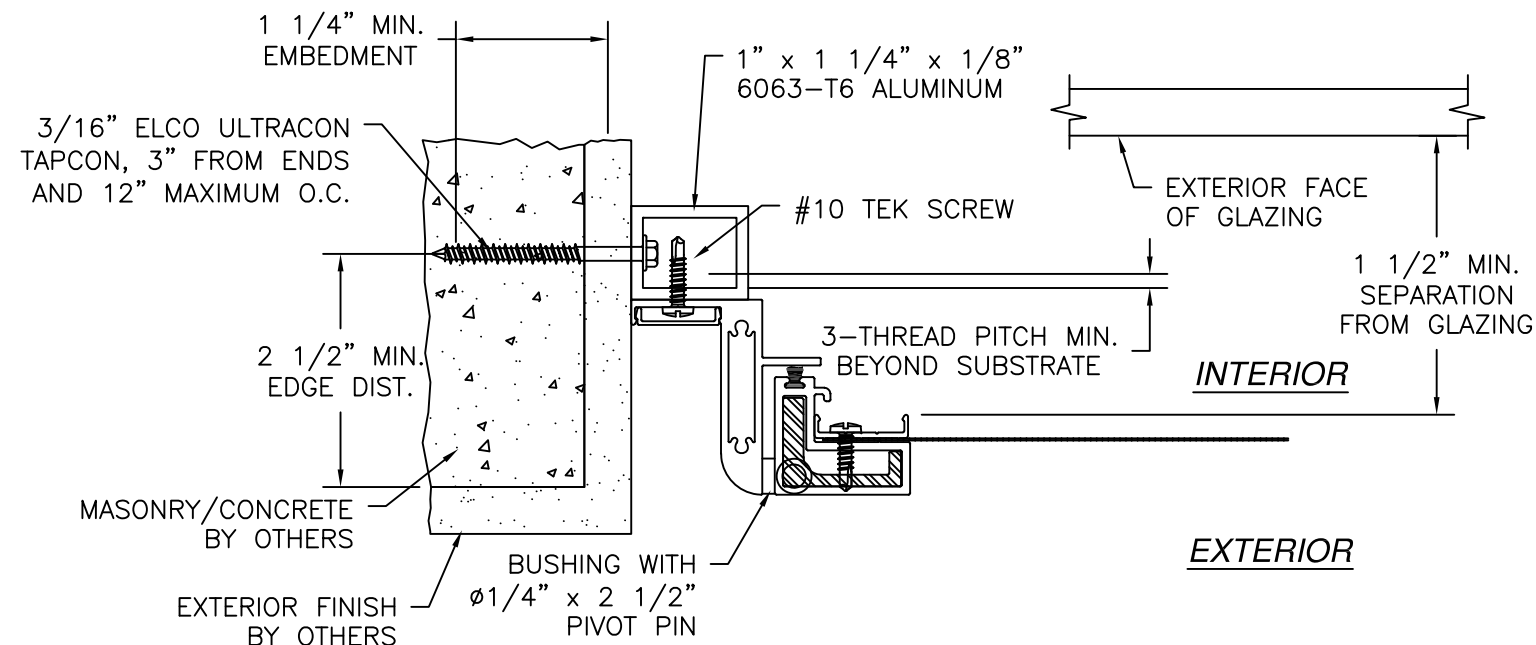


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VERTICAL CROSS SECTION
ALUMINUM TUBE FRAMING INSTALLATION
SINGLE SCREEN SHOWN, MULLED SCREEN SIMILAR



HORIZONTAL CROSS SECTION
ALUMINUM TUBE FRAMING INSTALLATION
SINGLE SCREEN SHOWN, MULLED SCREEN SIMILAR

SIGNED: 12/28/2023

TAPCO INCORPORATED

1815 McCULLOUGH BLVD
TUPELO, MS 38801

300 SERIES SIDE PIVOT ALUMINUM
HURRICANE SCREEN IMPACT HVHZ
INSTALLATION DETAILS

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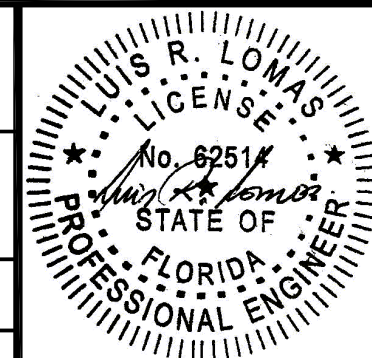
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SHEET 6 OF 7

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