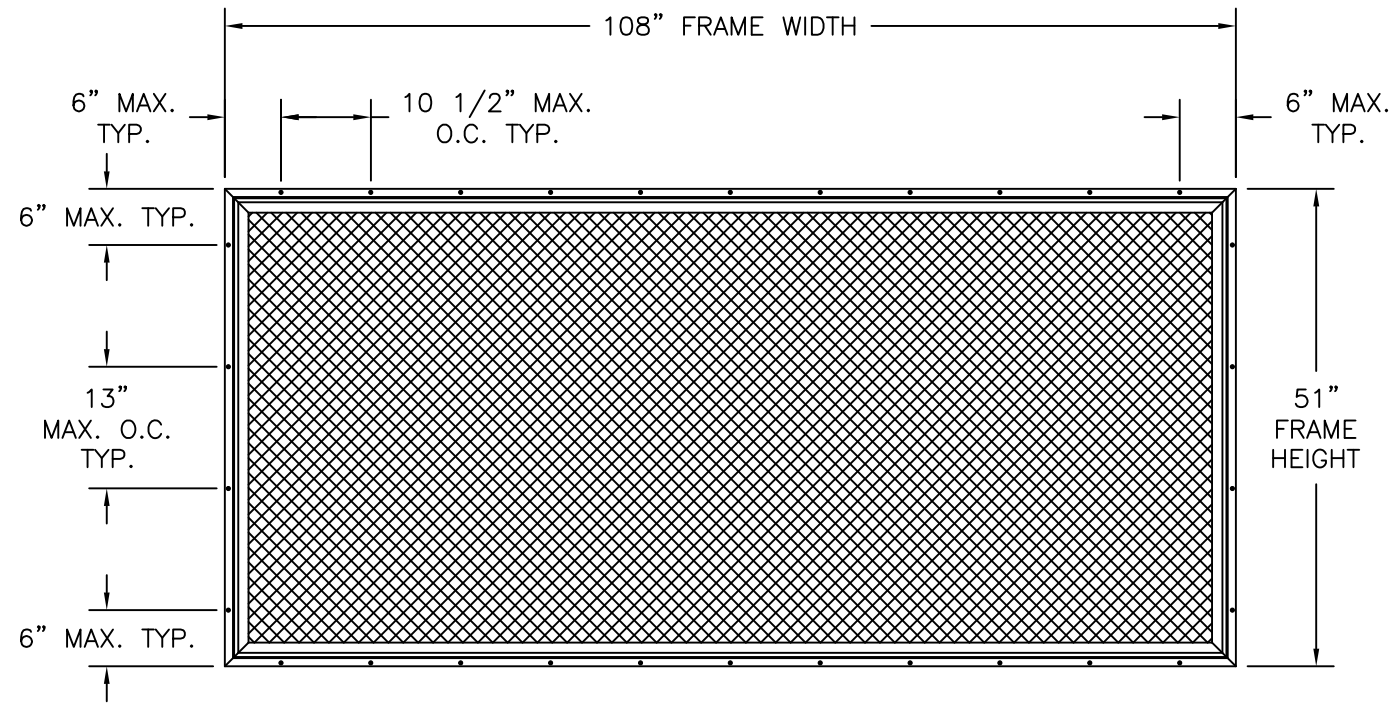




300-HV-F ALUMINUM FIXED HURRICANE SCREEN
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL E, WIND ZONE 4 AND HVHZ

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/28/23	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, 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.
 6. SCREEN MATERIAL: .035" STAINLESS STEEL WITH 12x12 STANDS PER SQUARE INCH AND .048" OPEN SPACE BETWEEN STRANDS. MESH FINISH MAY BE NATURAL OR PAINTED.
 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 USE 3/16" 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.
 10. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 11. FOR ANCHORING INTO METAL STRUCTURE USE #8 SELF DRILLING SCREW WITH SUFFICIENT LENGTH TO ACHIEVE 3-THREADS MINIMUM BEYOND SUBSTRATE. 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:
 - 13.A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 13.B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - 13.C. MASONRY: STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - 13.D. METAL FRAMING: STEEL 16GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
 14. UNITS MAYBE INSTALLED VERTICALLY, OR HORIZONTALLY.

SIGNED: 12/29/2023

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SHEET NO.	DESCRIPTION
1 - 2	ELEVATIONS, ANCHORING LAYOUT AND NOTES
3 - 4	INSTALLATION DETAILS AND COMPONENTS

TAPCO INCORPORATED
1815 McCULLOUGH BLVD
TUPELO, MS 38801

300-HV-F ALUMINUM FIXED HURRICANE SCREEN
IMPACT HVHZ
300-HV-F ELEVATION AND NOTES

DRAWN: V.L.

DWG NO. 08-02479A

REV A

SCALE NTS

DATE 08/28/14

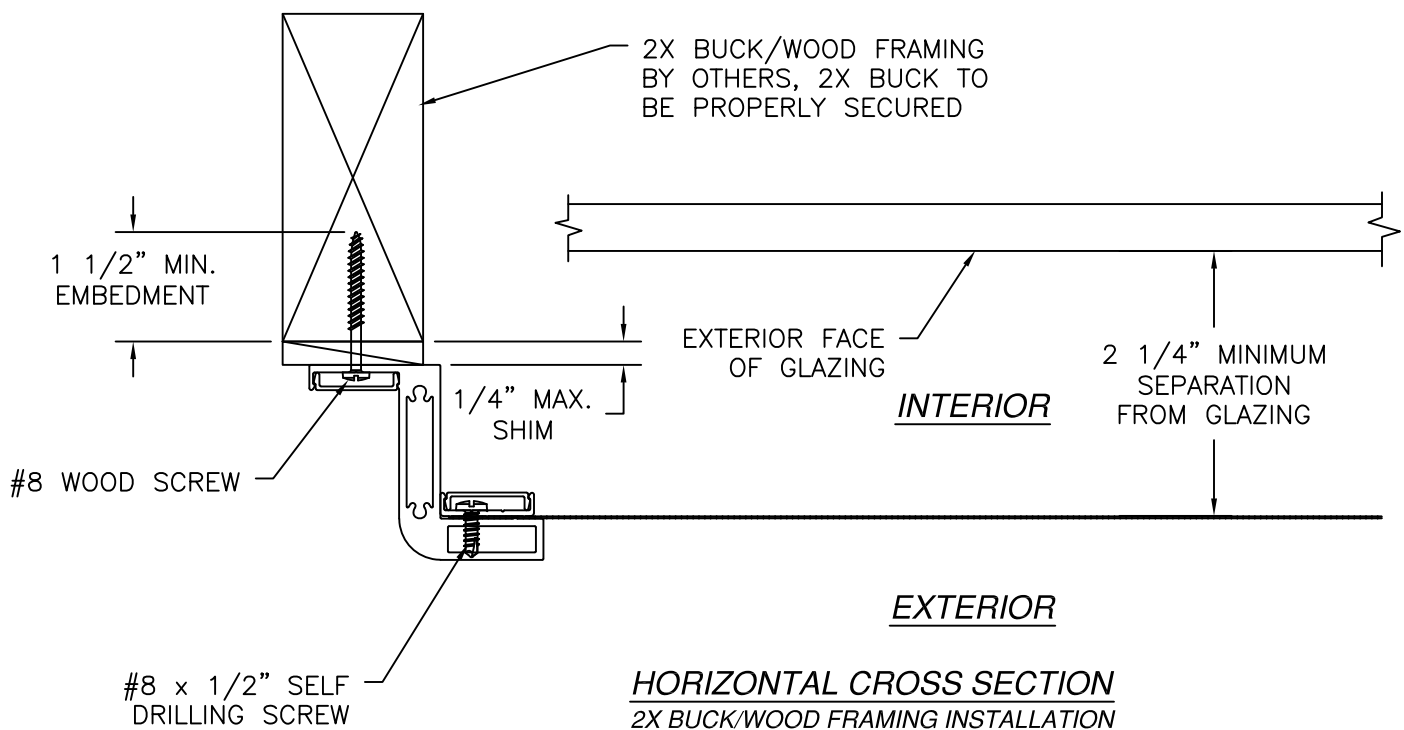
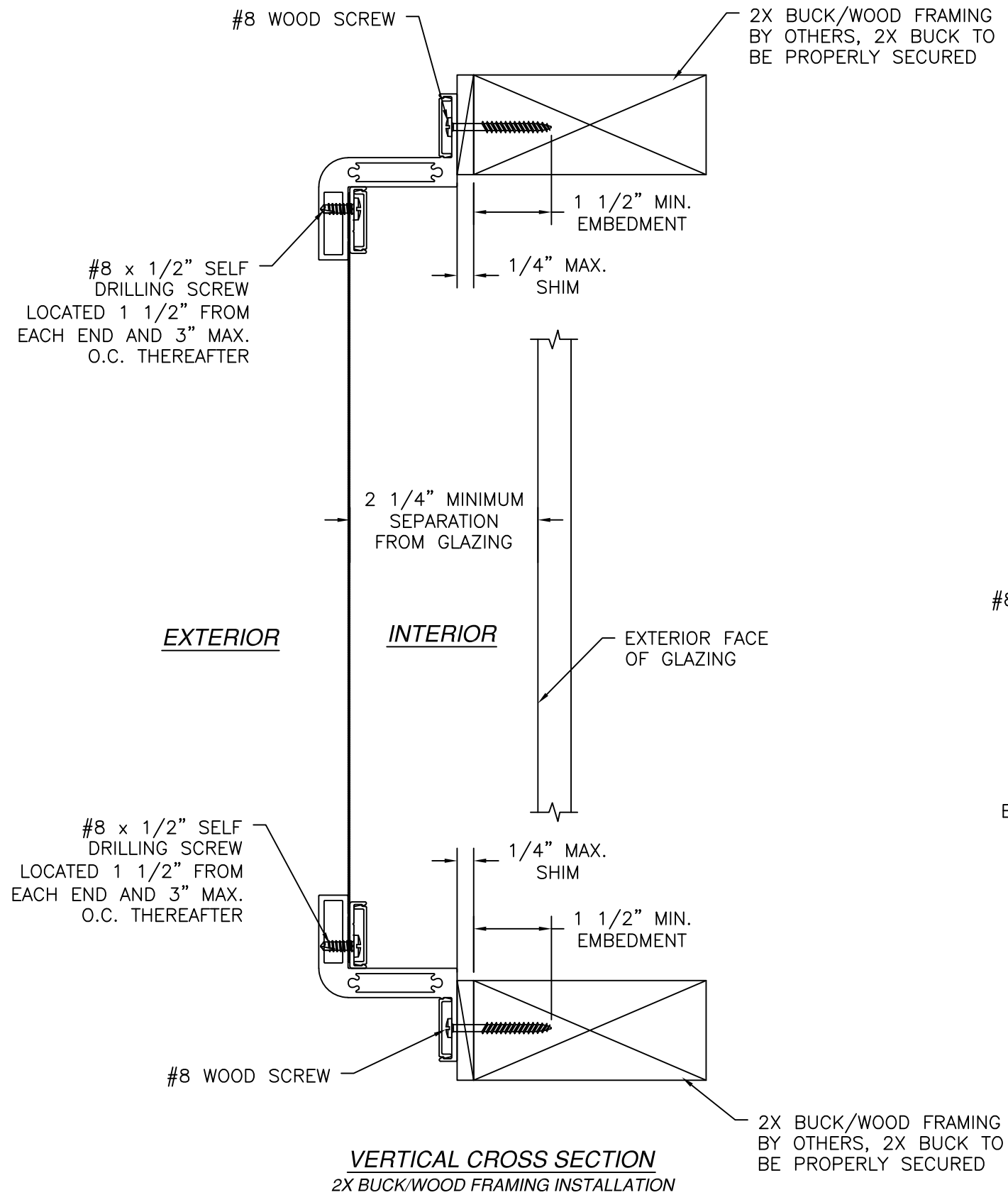
SHEET 1 OF 4

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

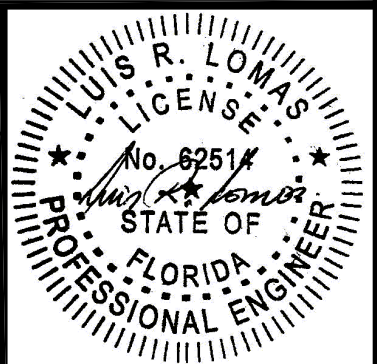
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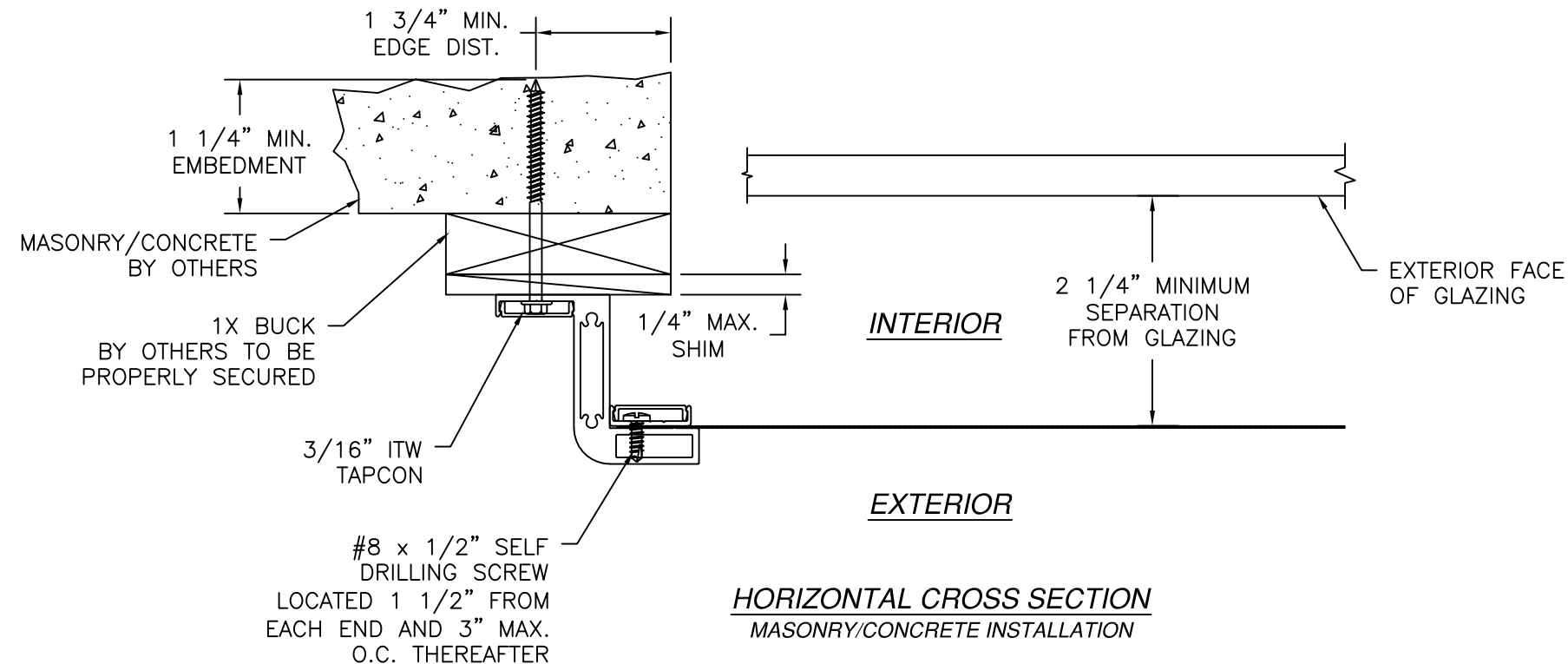
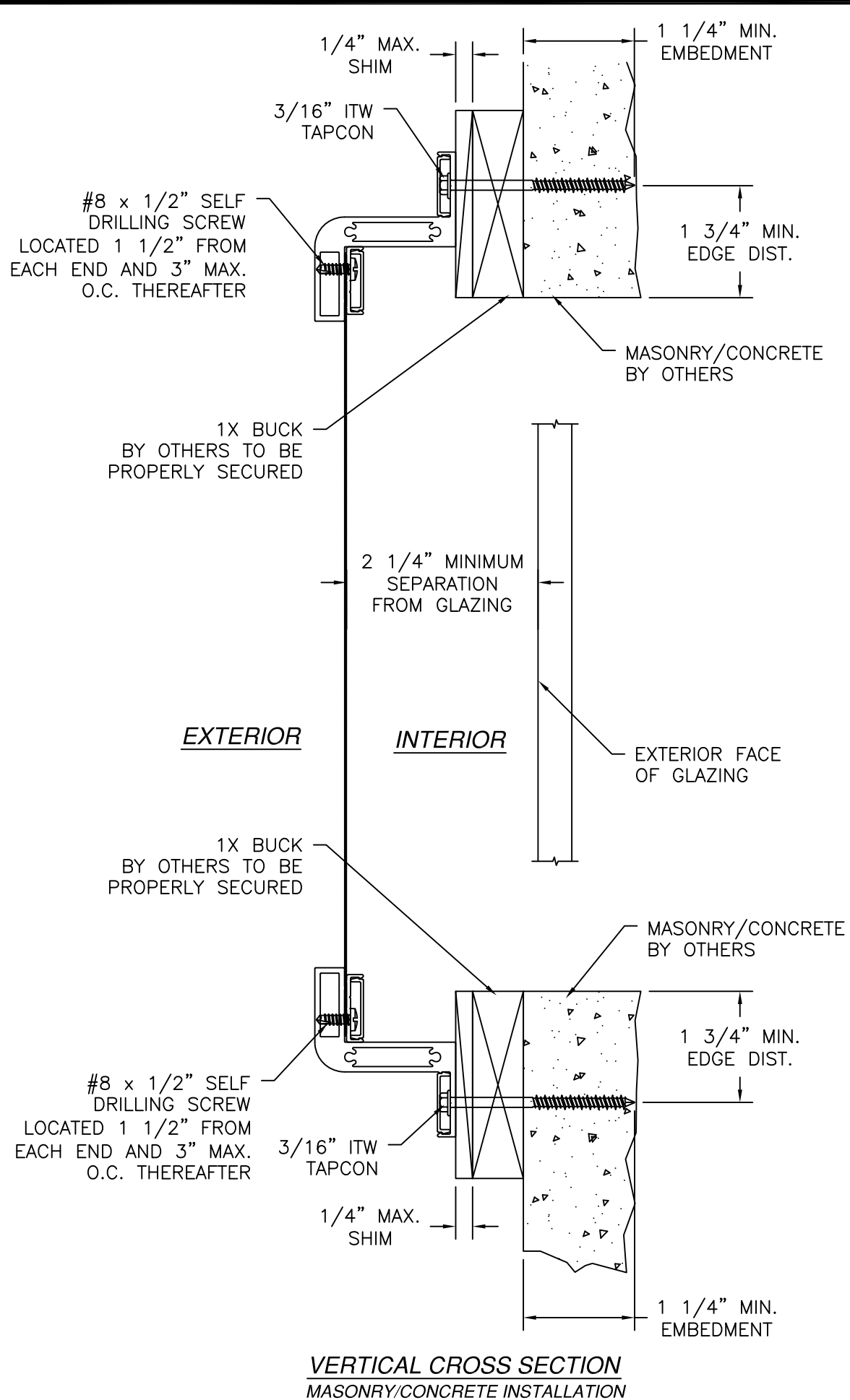


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TAPCO INCORPORATED 1815 McCULLOUGH BLVD TUPELO, MS 38801		
300-HV-F ALUMINUM FIXED HURRICANE SCREEN IMPACT HVHZ 300-HV-F ELEVATION AND NOTES		
DRAWN: V.L.	DWG NO. 08-02479A	REV A
SCALE NTS	DATE 08/28/14	SHEET 2 OF 4
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FL No.: 62514



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TAPCO INCORPORATED
1815 McCULLOUGH BLVD
TUPELO, MS 38801

300-HV-F ALUMINUM FIXED HURRICANE SCREEN
IMPACT HVHZ
300-HV-F ELEVATION AND NOTES

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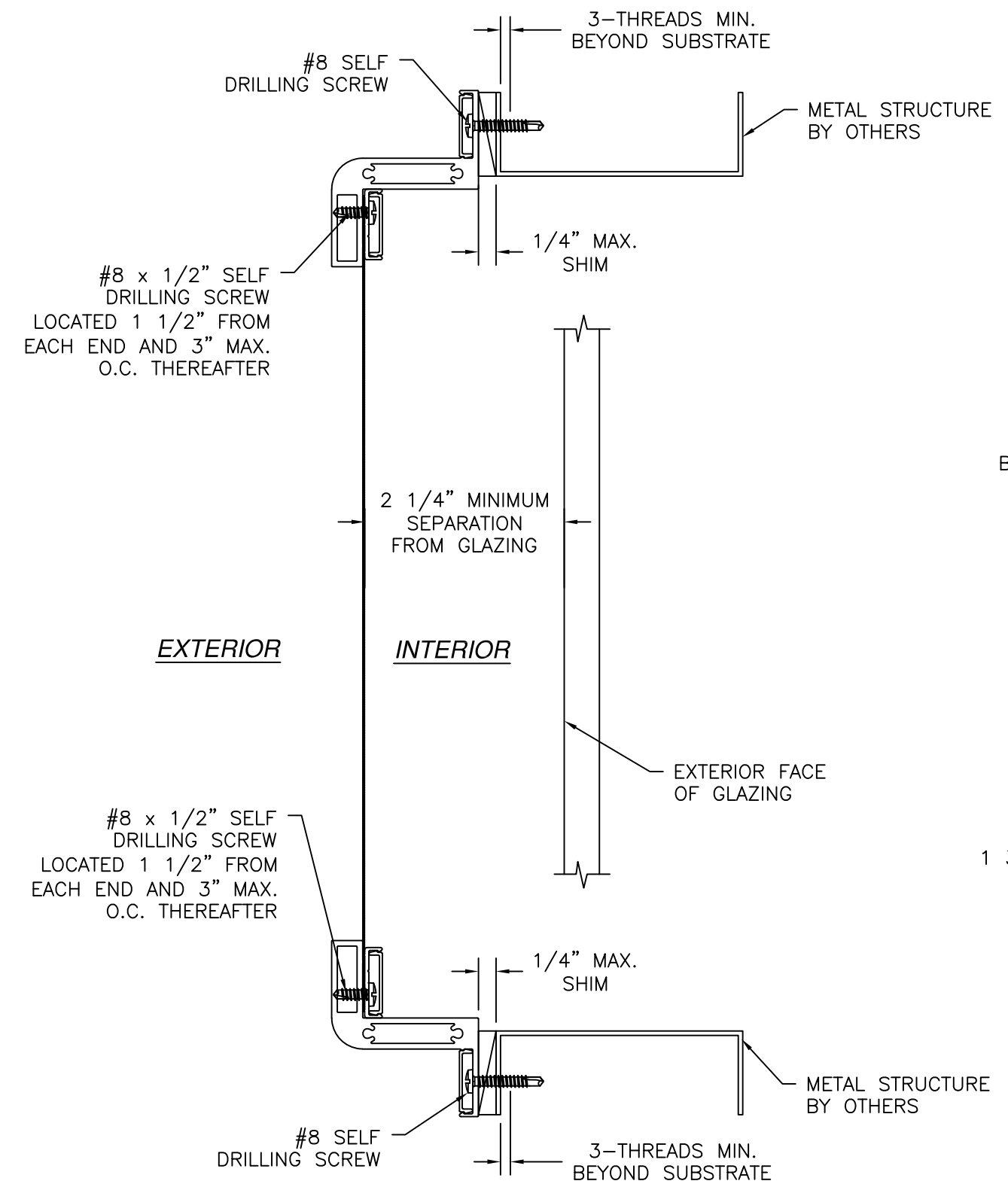
SHEET
3 OF 4

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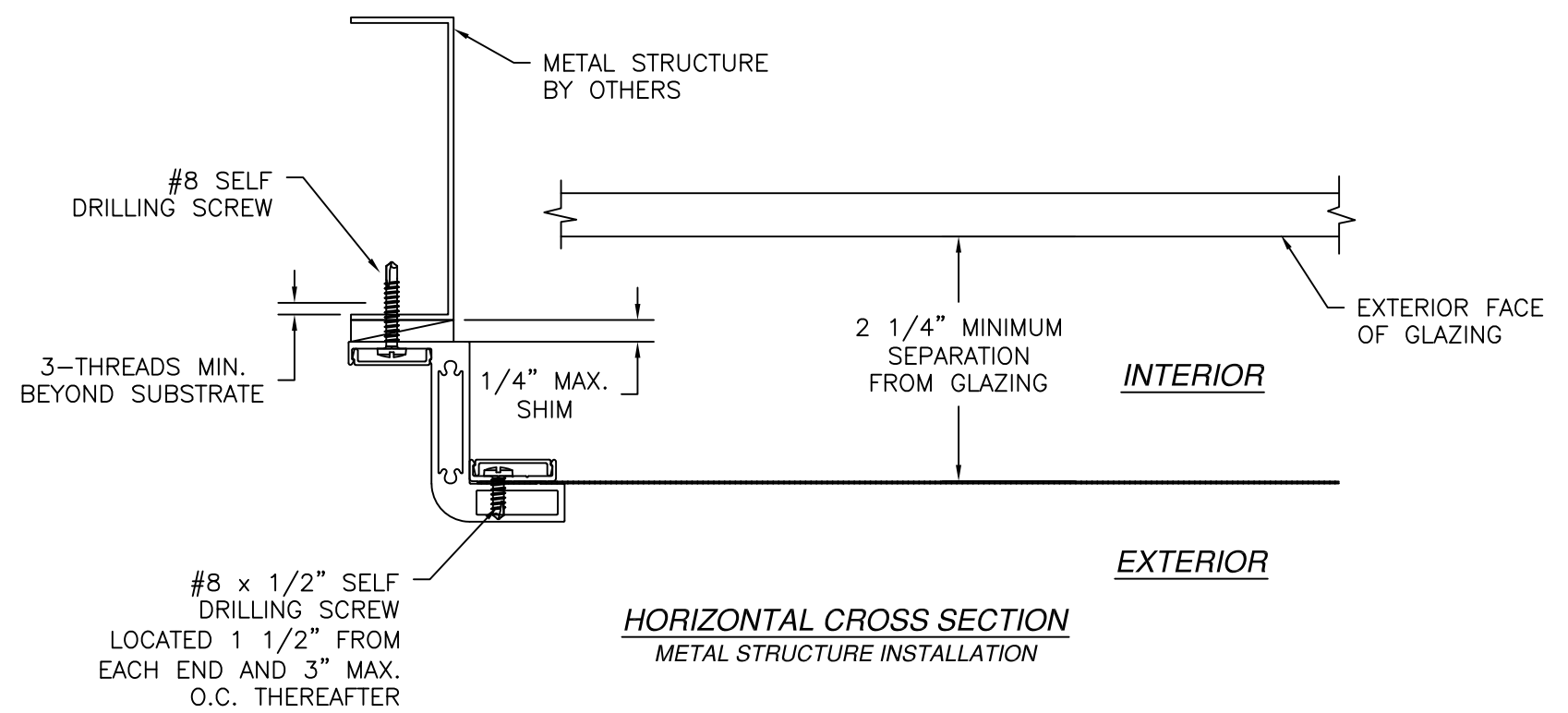
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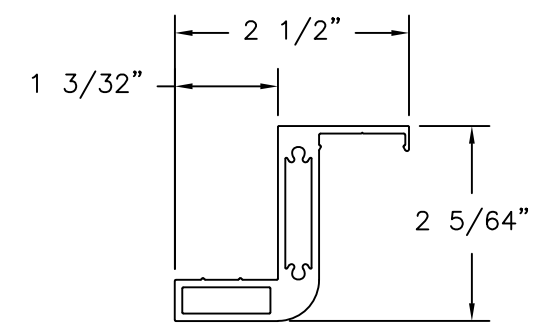
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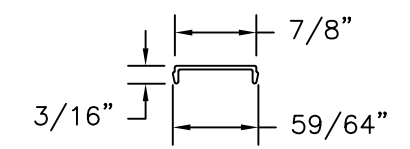
VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



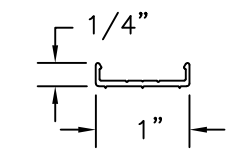
HORIZONTAL CROSS SECTION
METAL STRUCTURE INSTALLATION



300-F MAIN FRAME
ALUMINUM 6063-T5 .080" THICK



FLAT BAR COVER
EXTRUDED RIGID PVC .040" THICK



FLAT BAR U-CHANNEL
ALUMINUM 6063-T5 .060" THICK

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4 OF 4

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