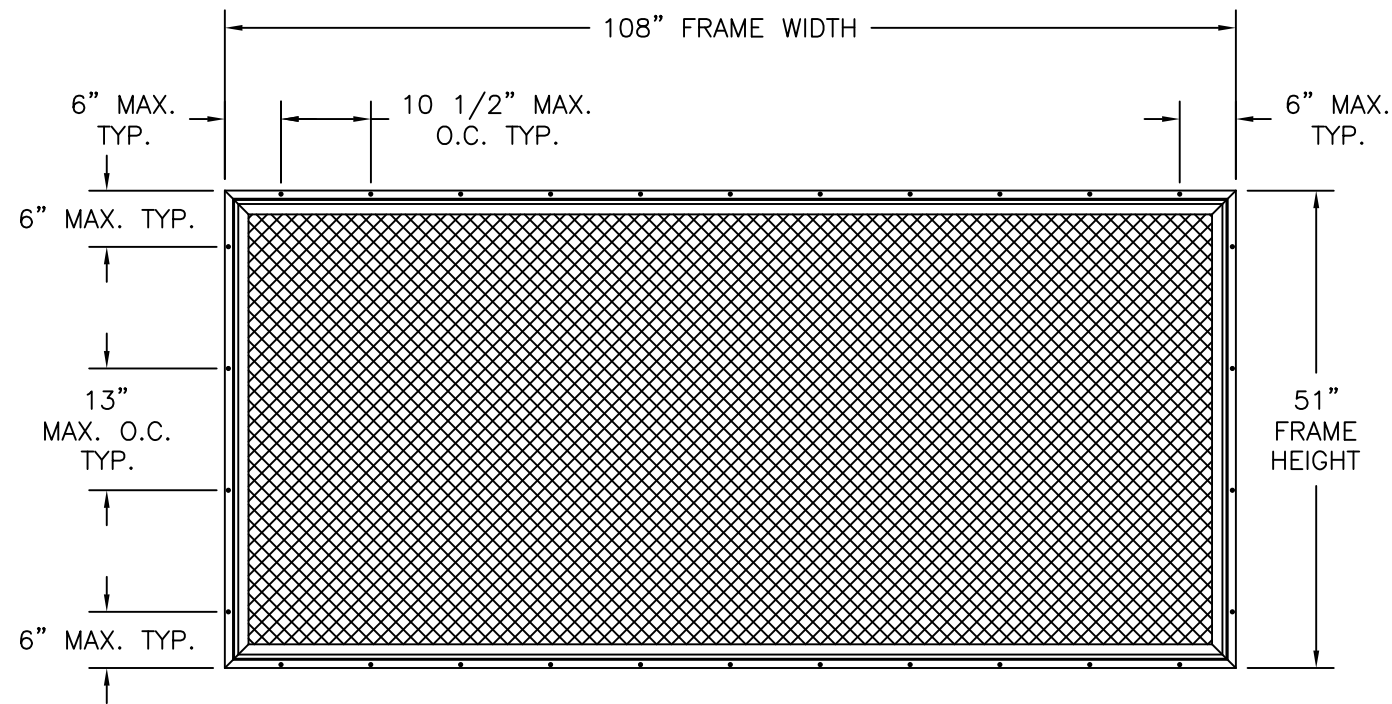


| REVISIONS |                              |          |          |
|-----------|------------------------------|----------|----------|
| REV       | DESCRIPTION                  | DATE     | APPROVED |
| C         | REVISED PER NEW REQUIREMENTS | 12/28/23 | R.L.     |



**200-HV-F ALUMINUM FIXED HURRICANE SCREEN**  
EXTERIOR VIEW

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

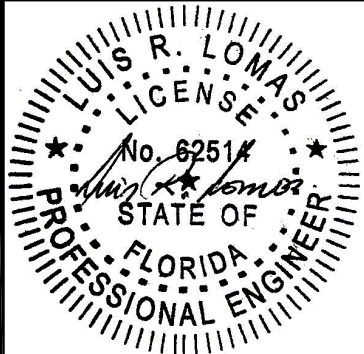
MISSILE LEVEL E, WIND ZONE 4 AND HVHZ

- 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. 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 MATERIAL: EXTRUDED ALUMINUM 6063-T5 .080" THICK.
  5. SCREEN MATERIAL: .035" STAINLESS STEEL WITH 12x12 STANDS PER SQUARE INCH AND .048" OPEN SPACE BETWEEN STRANDS. MESH FINISH MAY BE NATURAL OR PAINTED.
  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" ITW 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.
  9. 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.
  10. FOR ANCHORING INTO 16GA. MINIMUM STEEL STUD FRAMING USE #8 TEK SCREW WITH SUFFICIENT LENGTH TO ACHIEVE 3-THREADS MINIMUM BEYOND SUBSTRATE. 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:
    - 12.A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
    - 12.B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
    - 12.C. MASONRY: STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
    - 12.D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM.
  13. UNITS MAYBE INSTALLED VERTICALLY, OR HORIZONTALLY.

SIGNED: 12/28/2023

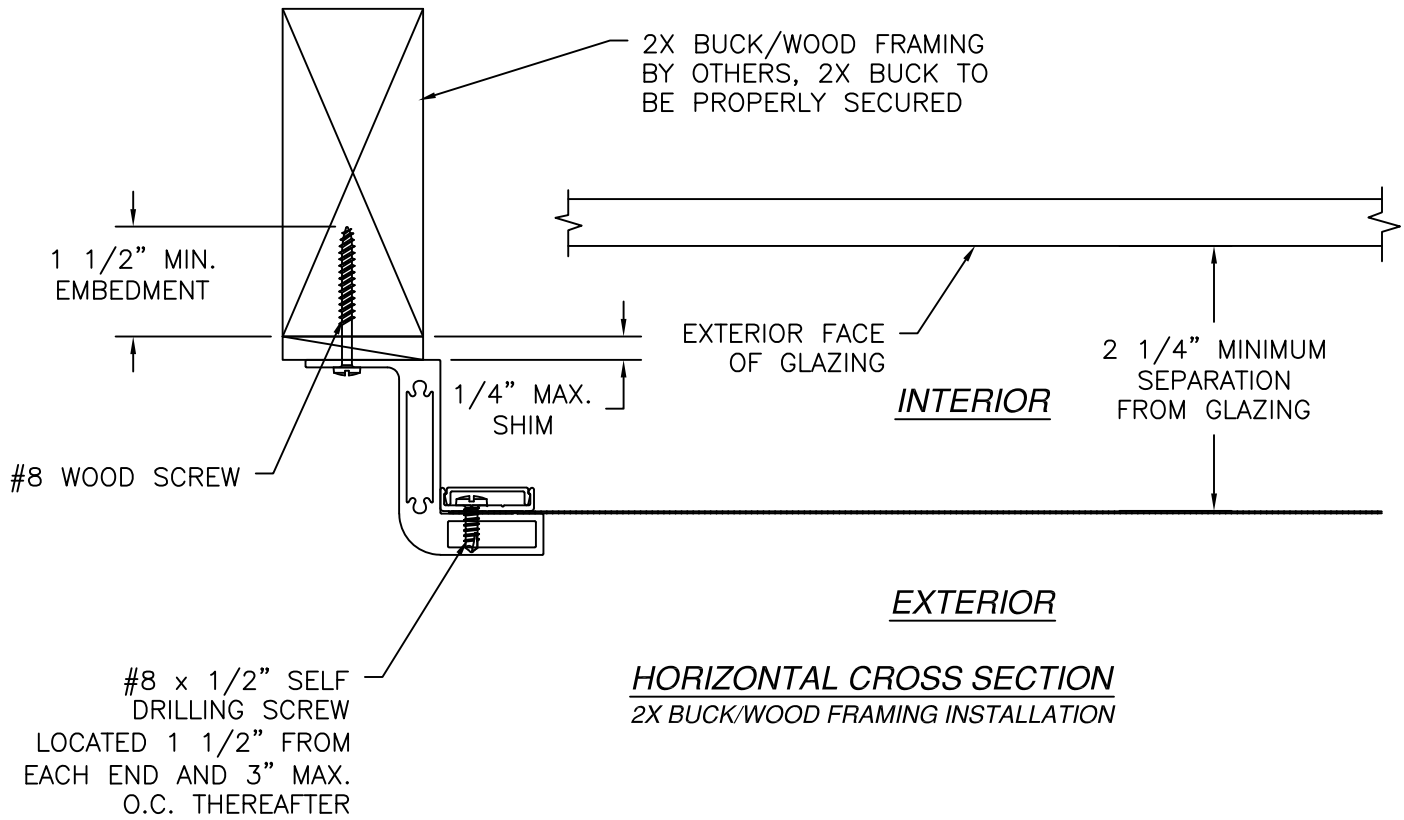
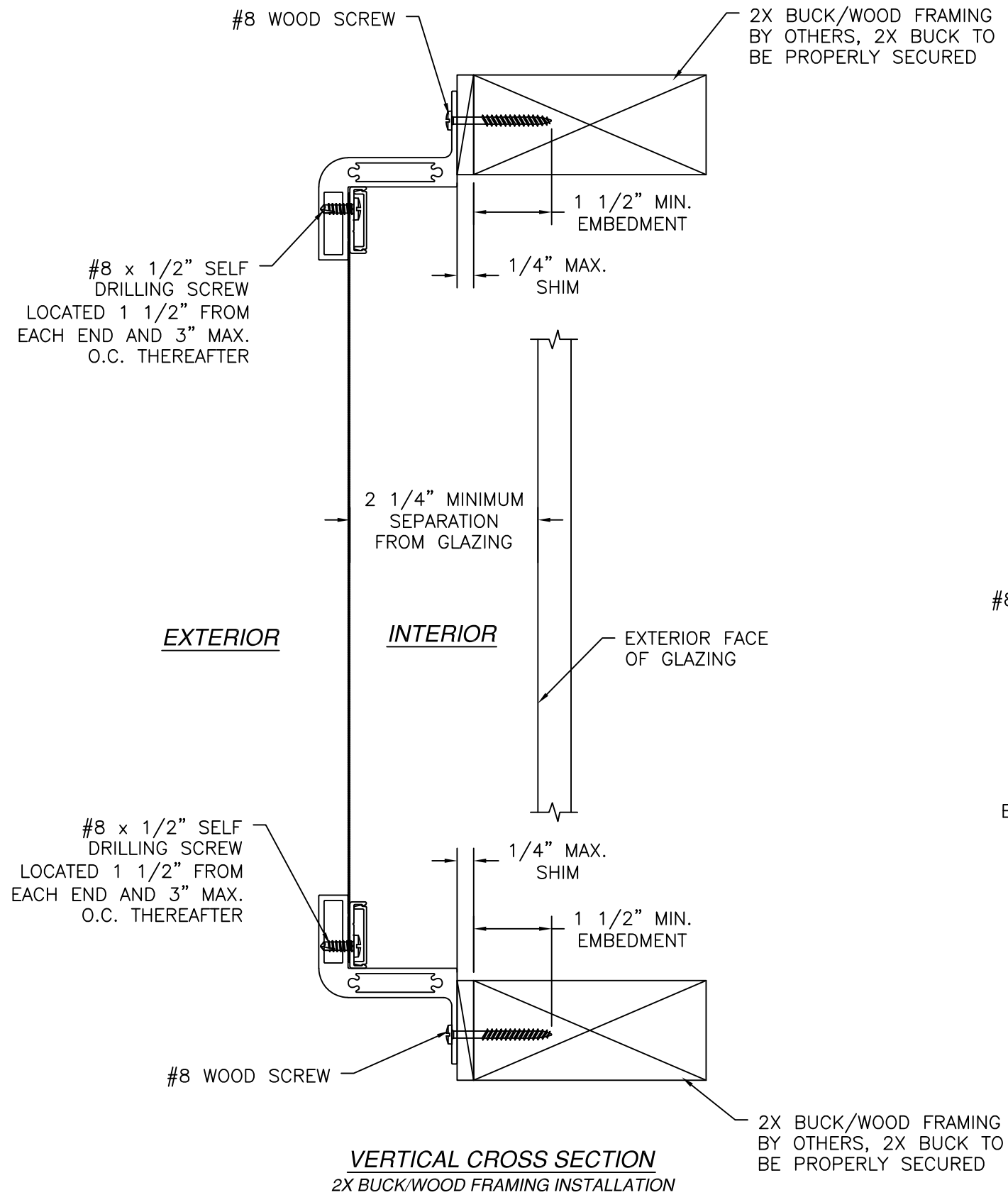
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|-------------------|---------------------------------------|
| SHEET NO.         | DESCRIPTION                           |
| 1                 | ELEVATION, ANCHORING LAYOUT AND NOTES |
| 2 - 3             | INSTALLATION DETAILS                  |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

|                                                                                                   |                      |                 |
|---------------------------------------------------------------------------------------------------|----------------------|-----------------|
| TAPCO INCORPORATED<br>1815 McCULLOUGH BLVD<br>TUPELO, MS 38801                                    |                      |                 |
| 200-HV-F ALUMINUM FIXED HURRICANE SCREEN<br>IMPACT HVHZ<br>ELEVATION AND NOTES                    |                      |                 |
| DRAWN:<br>TJH                                                                                     | DWG NO.<br>08-00940C | REV<br>C        |
| SCALE<br>NTS                                                                                      | DATE<br>02/08/10     | SHEET<br>1 OF 5 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                      |                 |



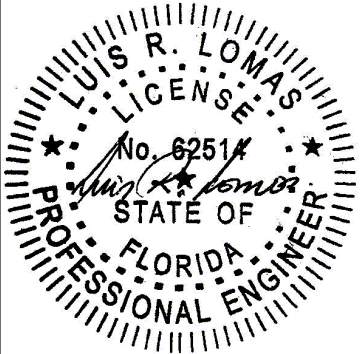
Luis R. Lomas P.E.  
FL No.: 62514

| REVISIONS |                              |          |          |
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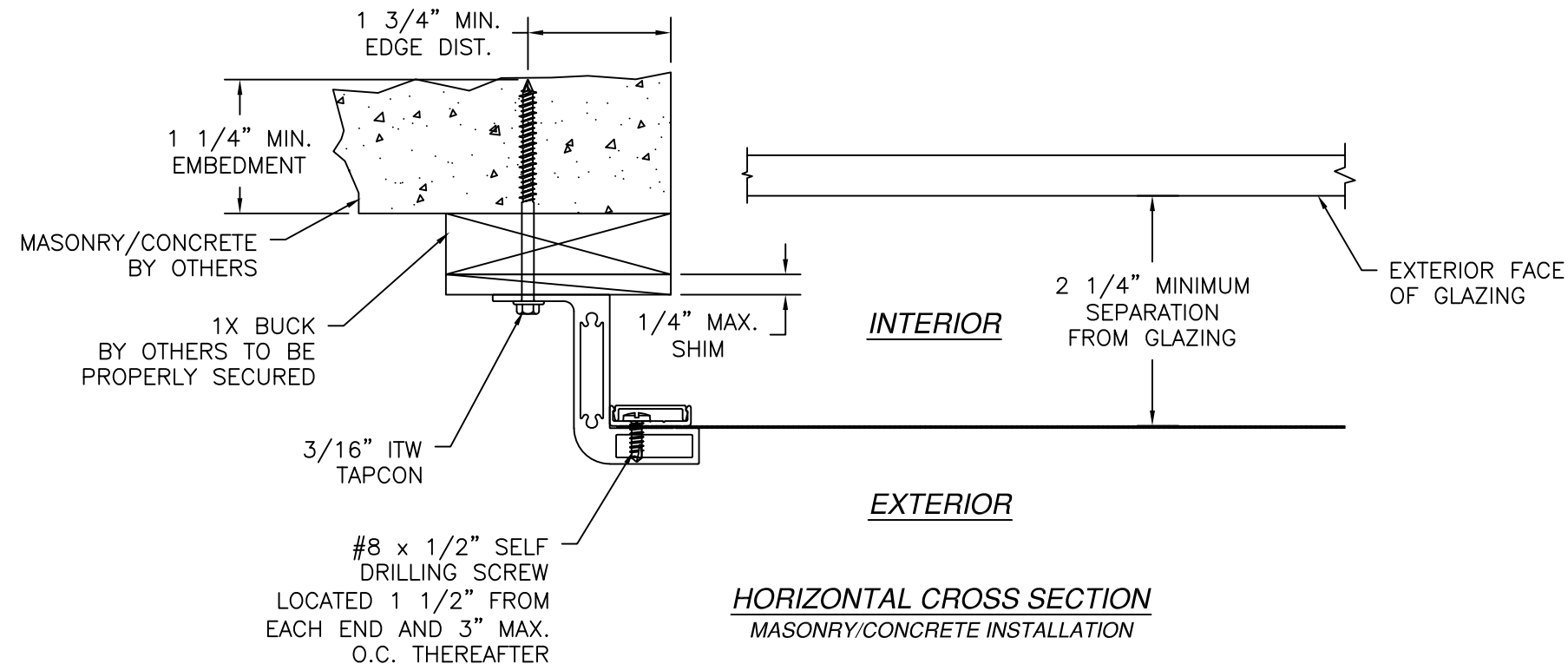
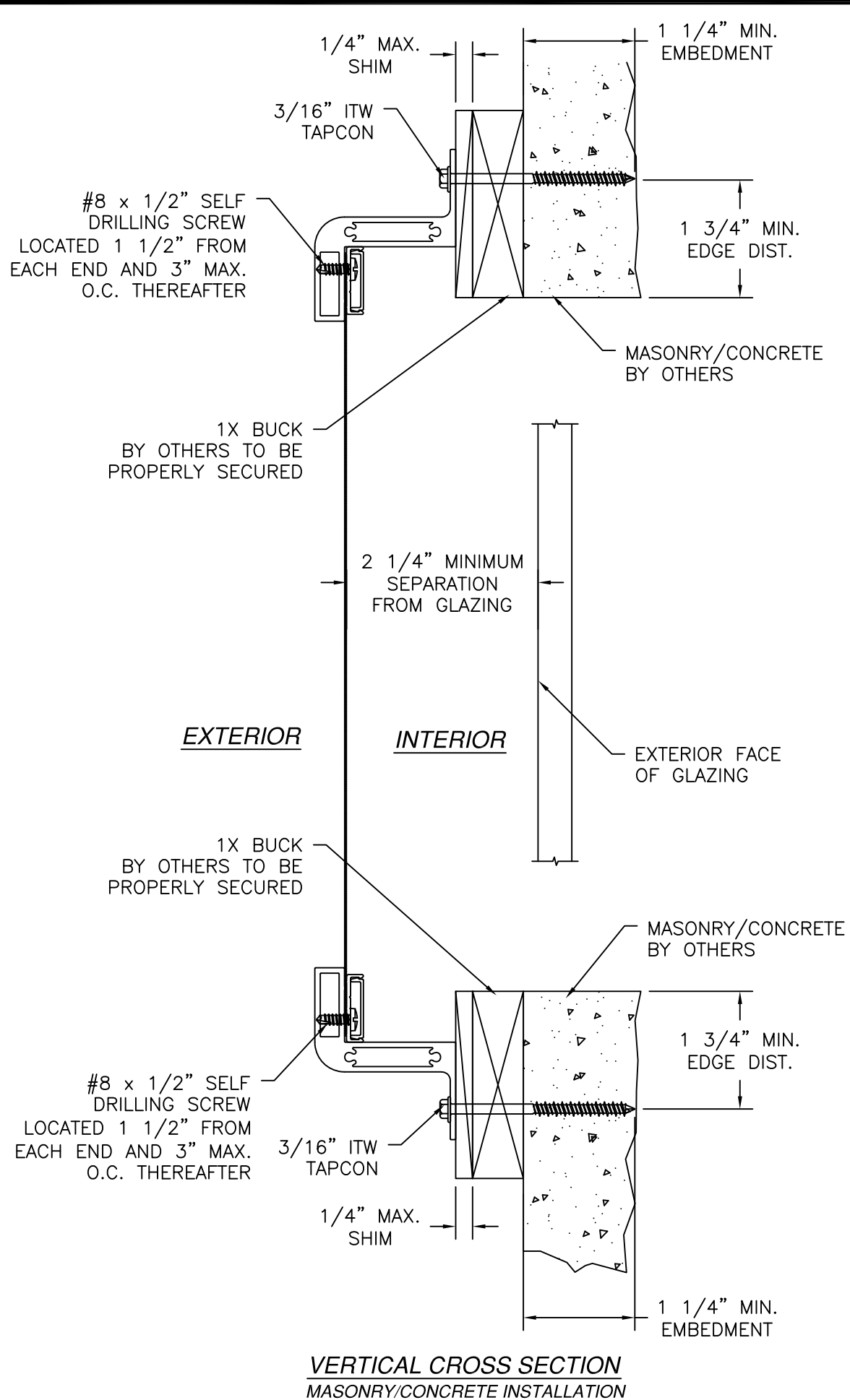


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|                                                                                                   |                      |                 |
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| SCALE<br>NTS                                                                                      | DATE<br>02/08/10     | SHEET<br>2 OF 5 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                      |                 |



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**TAPCO INCORPORATED**  
1815 McCULLOUGH BLVD  
TUPELO, MS 38801

200-HV-F ALUMINUM FIXED HURRICANE SCREEN  
IMPACT HVHZ  
INSTALLATION DETAILS

|               |                      |                 |
|---------------|----------------------|-----------------|
| DRAWN:<br>TJH | DWG NO.<br>08-00940C | REV<br>C        |
| SCALE<br>NTS  | DATE<br>02/08/10     | SHEET<br>3 OF 5 |

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SIGNED: 12/28/2023

LUIS R. LOMAS  
LICENSE  
No. 62514  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

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

