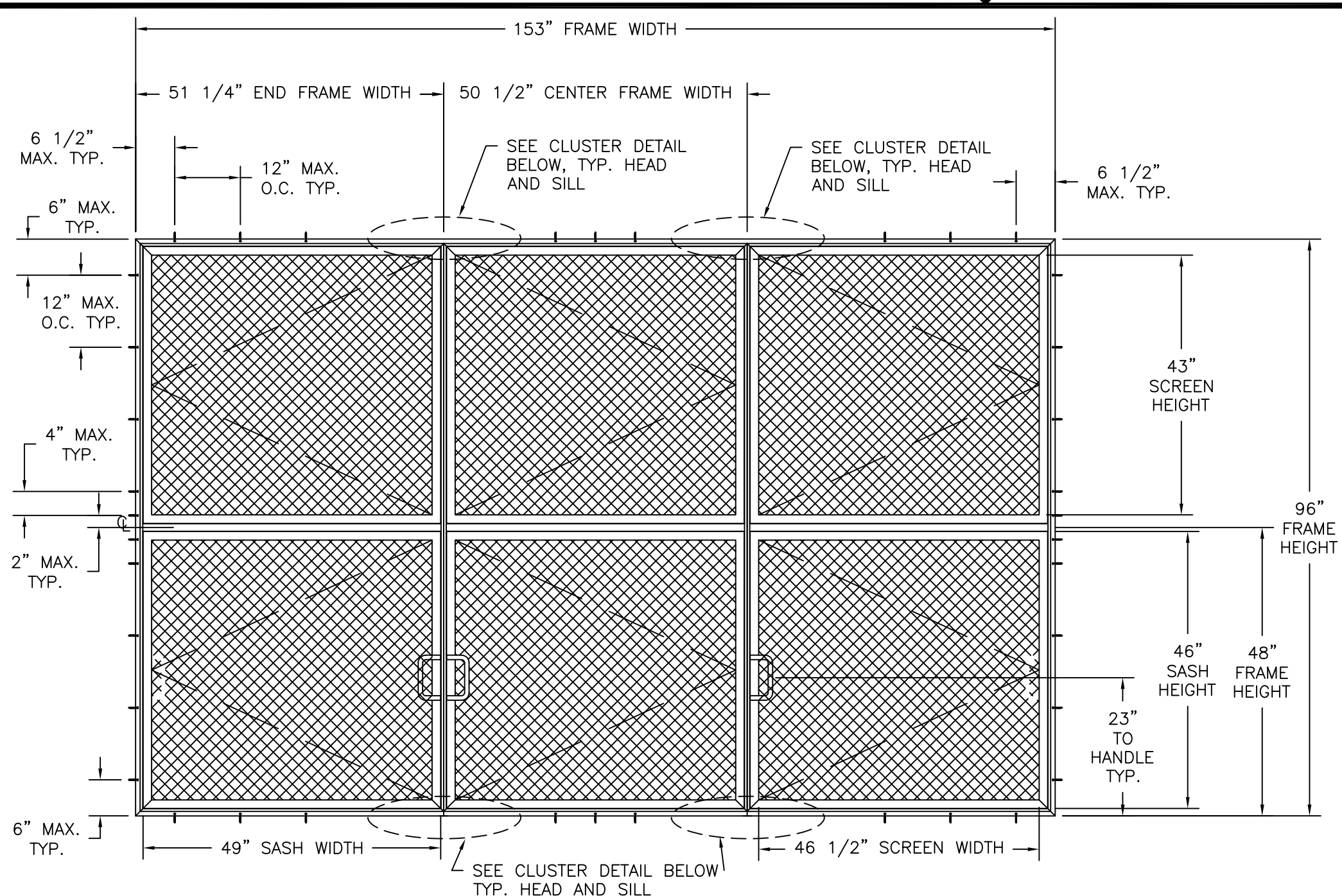




REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW REQUIREMENTS	12/28/23	R.L.

- 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 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 .076" THICK.
 5. SASH MATERIAL: EXTRUDED ALUMINUM 6063-T5 .088" THICK.
 6. SCREEN MATERIAL: .035" STAINLESS STEEL WITH 12x12 STRANDS 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. TRIPLE WIDE WITH TRANSOM SHOWN WITH ACTIVE SASH ON BOTTOM AND FIXED SASH ON TOP. UNLIMITED UNITS VERTICALLY AND HORIZONTALLY IN ANY COMBINATION OF ACTIVE AND FIXED SASHES ARE APPROVED AS LONG AS INDIVIDUAL SASH DOES NOT EXCEED OVERALL SASH SIZE AS SHOWN HEREIN AND VERTICAL MULLION DOES NOT EXCEED 96" AND HORIZONTAL MULLION DOES NOT EXCEED 51 1/4".

985HV ALUMINUM HURRICANE SCREEN - IMPACT
EXTERIOR VIEW

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

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

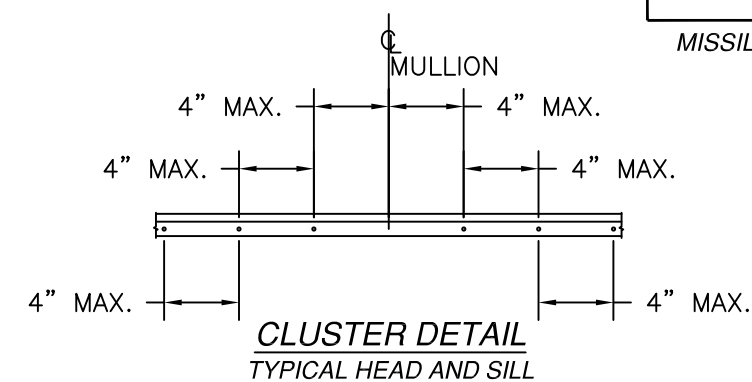


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TAPCO INCORPORATED
1815 McCULLOUGH BLVD
TUPELO, MS 38801

985HV ALUMINUM HURRICANE SCREEN
IMPACT HVHZ
ELEVATION

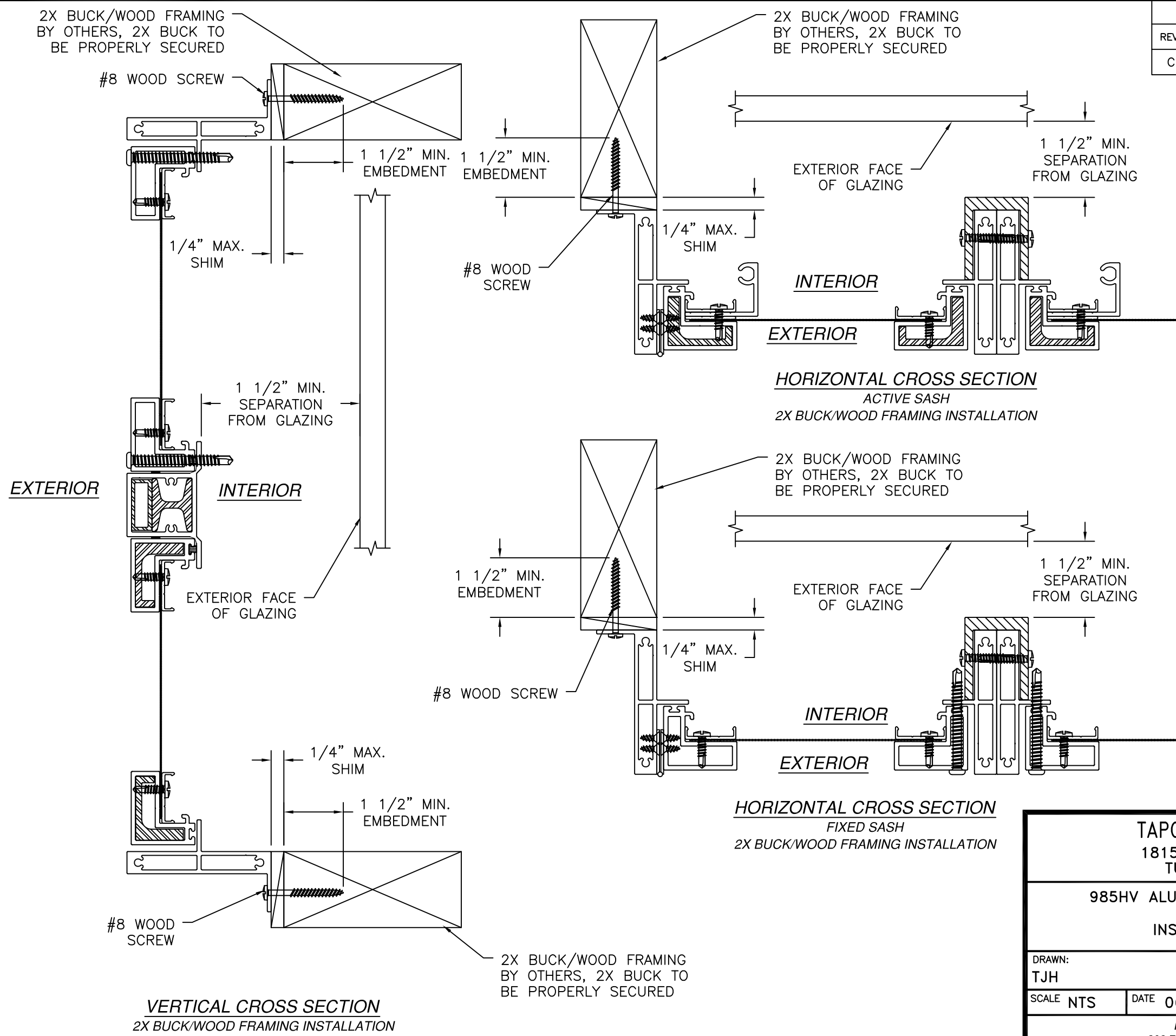
DRAWN:	DWG NO.	REV
TJH	08-00770C	C
SCALE NTS	DATE 06/11/09	SHEET 1 OF 6

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208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 12/28/2023

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

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



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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" 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" x 1/8" MINIMUM WALL.

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TAPCO INCORPORATED

1815 McCULLOUGH BLVD

TUPELO, MS 38801

985HV ALUMINUM HURRICANE SCREEN

IMPACT HVHZ

INSTALLATION DETAILS

DRAWN: TJH

DWG NO. 08-00770C

REV C

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DATE 06/11/09

SHEET 2 OF 6

L. ROBERTO LOMAS P.E.

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LUIS R. LOMAS

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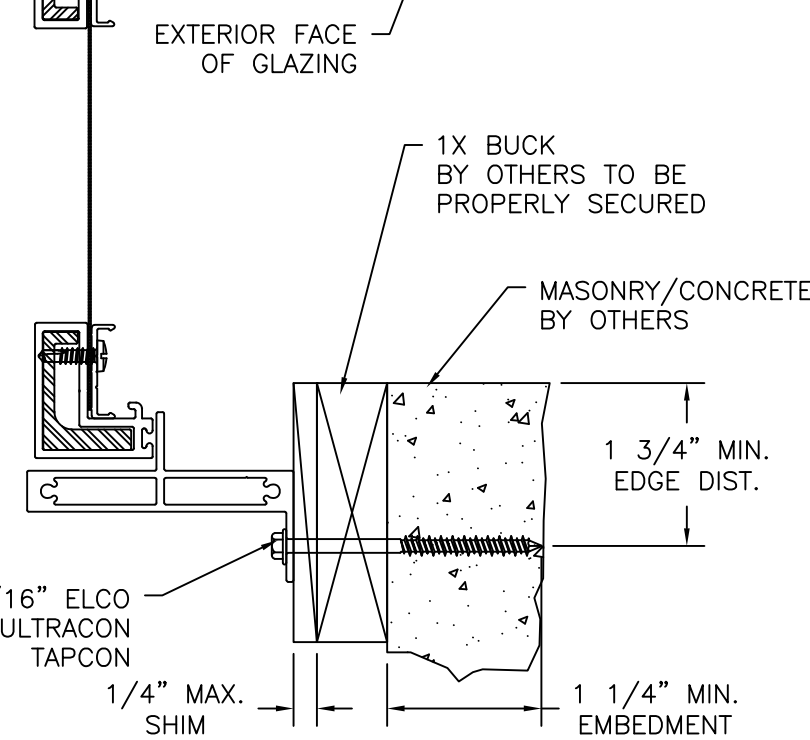
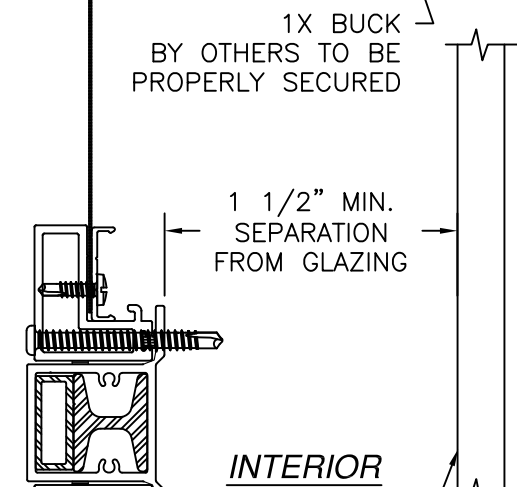
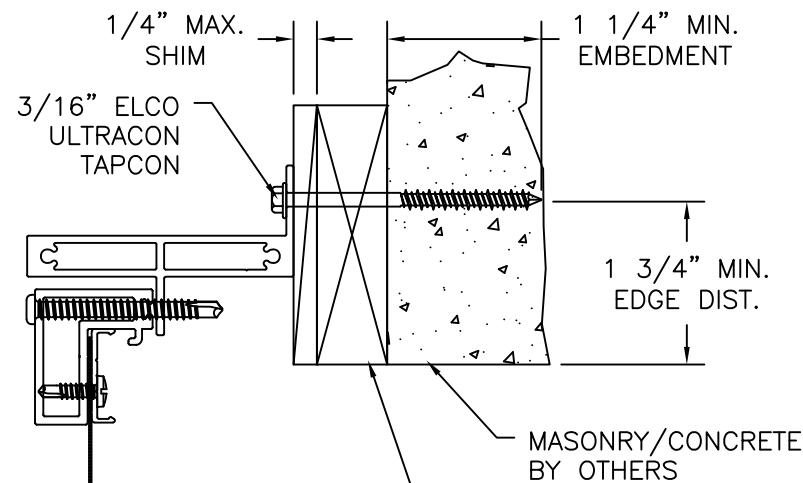
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STATE OF FLORIDA

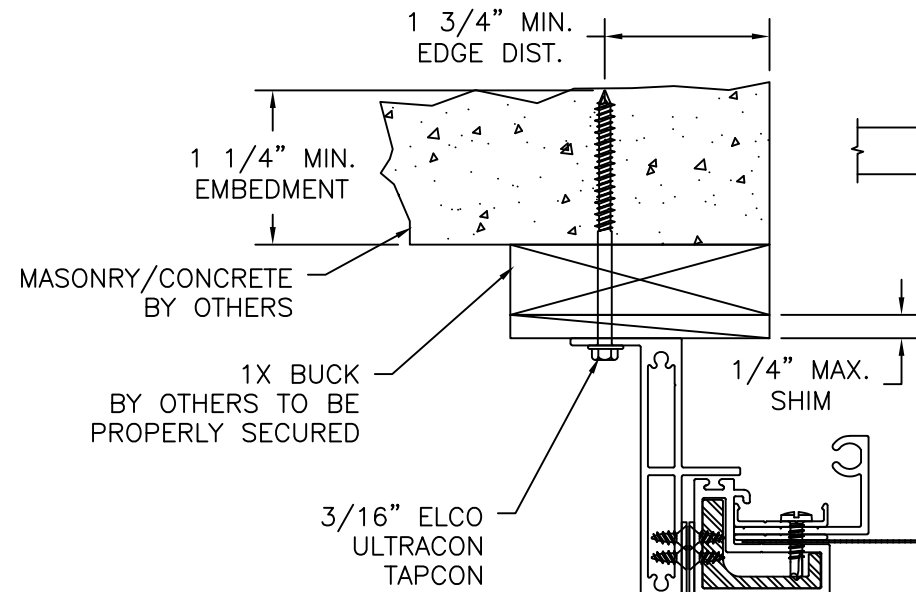
PROFESSIONAL ENGINEER

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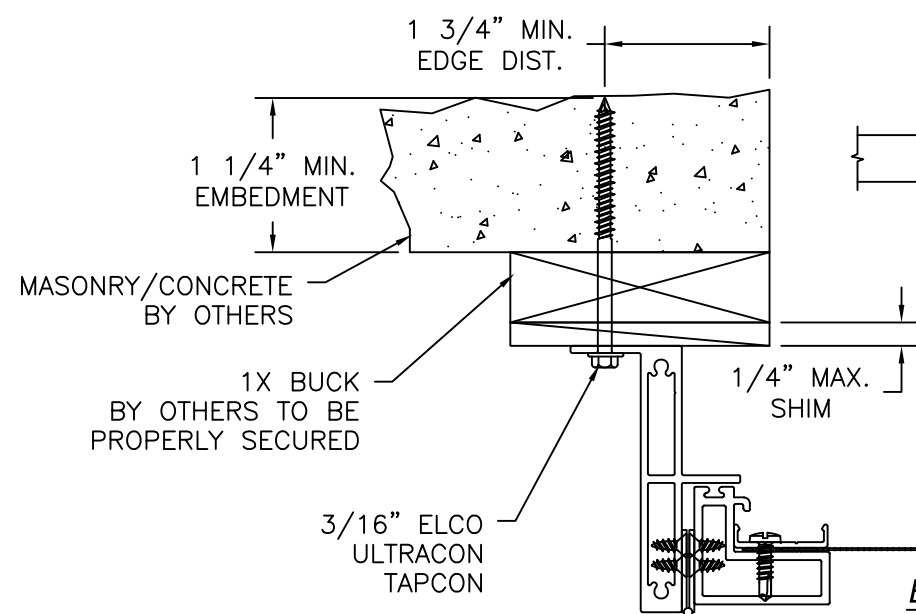
FL No.: 62514



VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

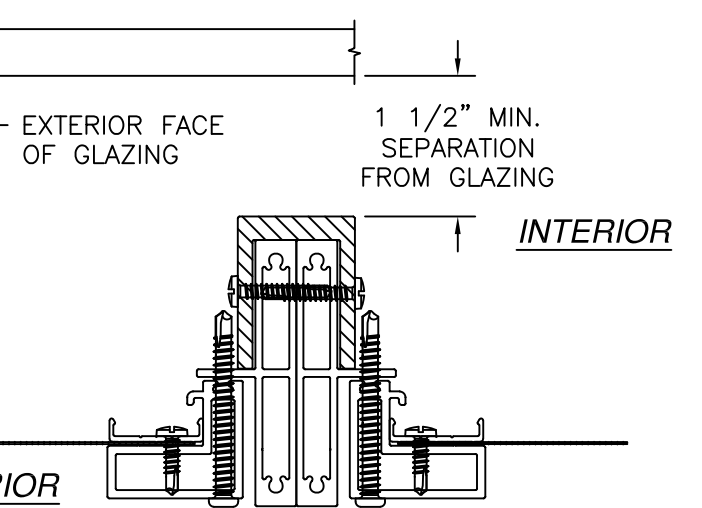
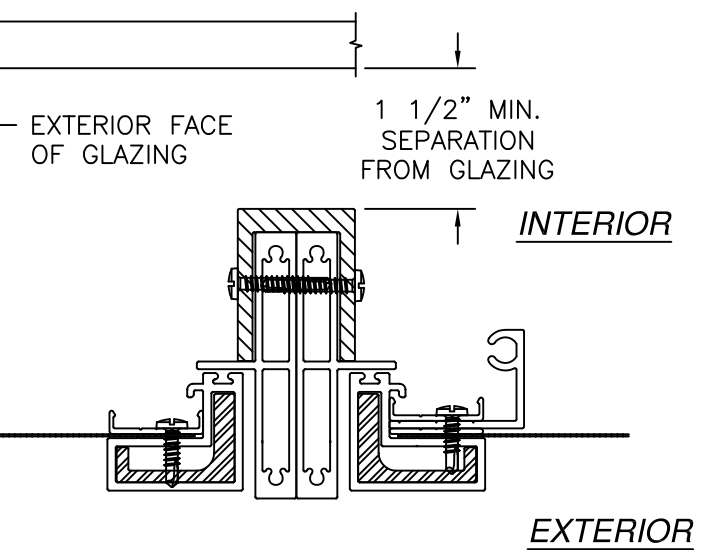


HORIZONTAL CROSS SECTION
ACTIVE SASH
MASONRY/CONCRETE INSTALLATION



HORIZONTAL CROSS SECTION
FIXED SASH
MASONRY/CONCRETE INSTALLATION

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1815 McCULLOUGH BLVD
TUPELO, MS 38801

985HV ALUMINUM HURRICANE SCREEN
IMPACT HVHZ
INSTALLATION DETAILS

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DWG NO.
08-00770C

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SCALE
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06/11/09

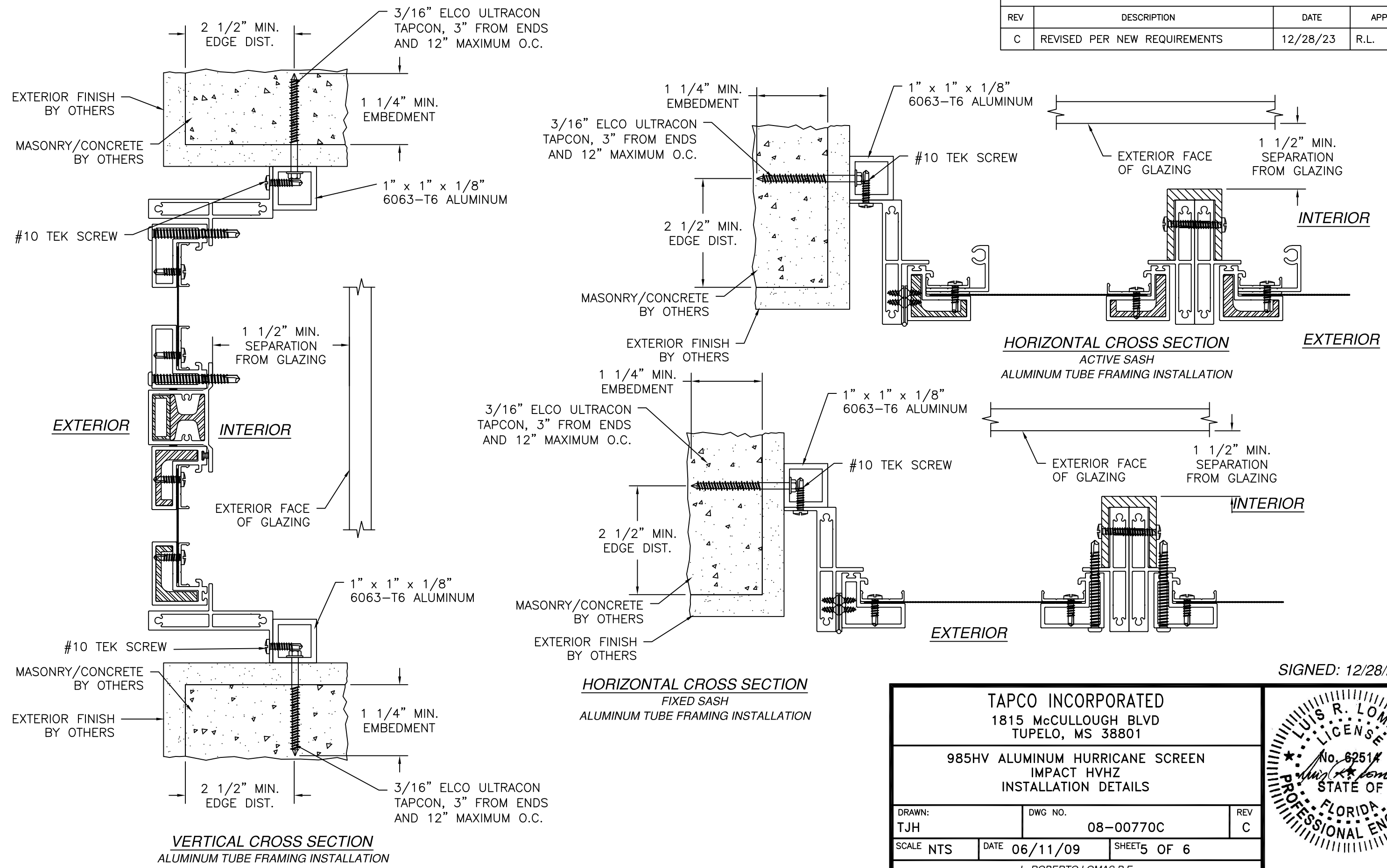
SHEET
3 OF 6

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IMPACT HVHZ
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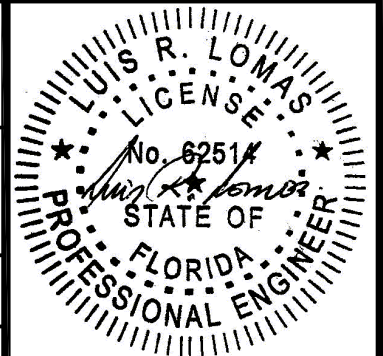
SHEET 5 OF 6

L. ROBERTO LOMAS P.E.

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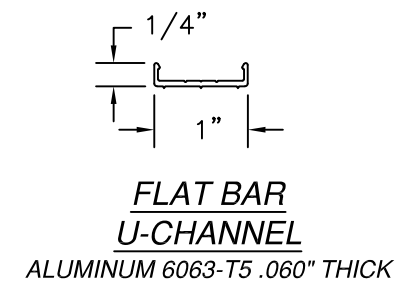
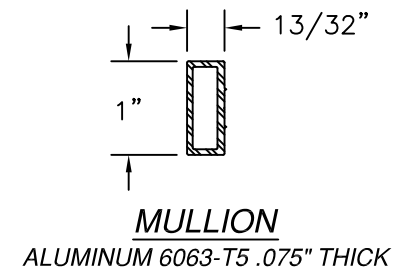
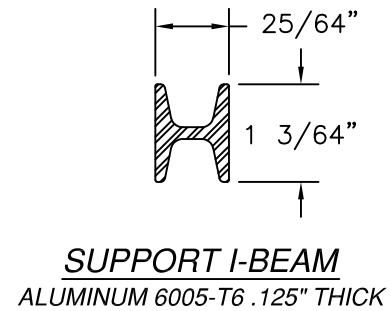
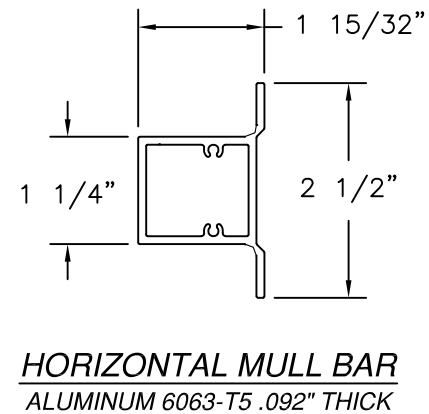
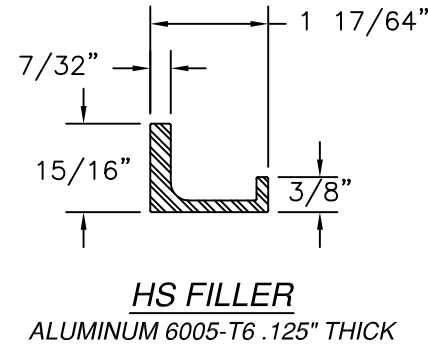
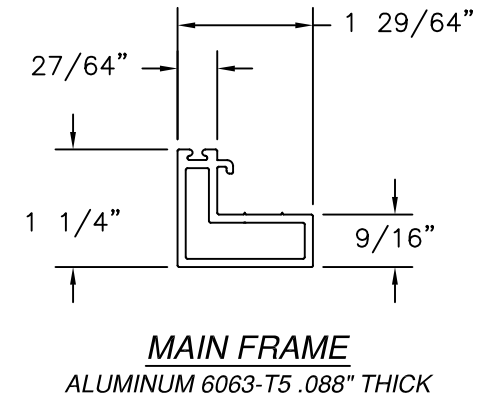
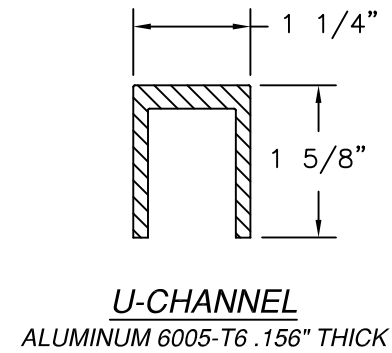
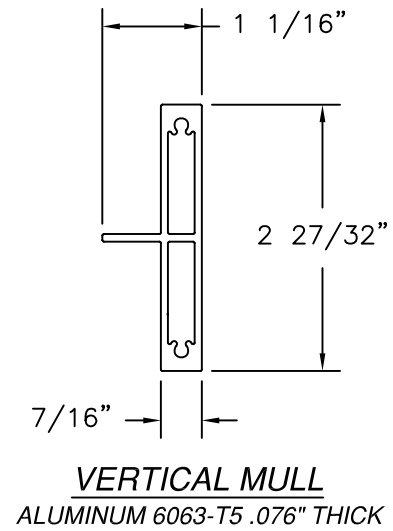
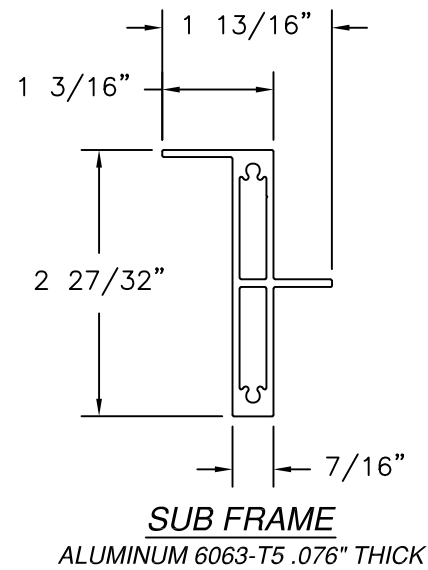
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985HV ALUMINUM HURRICANE SCREEN IMPACT HVHZ COMPONENTS		
DRAWN: TJH	DWG NO. 08-00770C	REV C
SCALE NTS	DATE 06/11/09	SHEET 6 OF 6
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