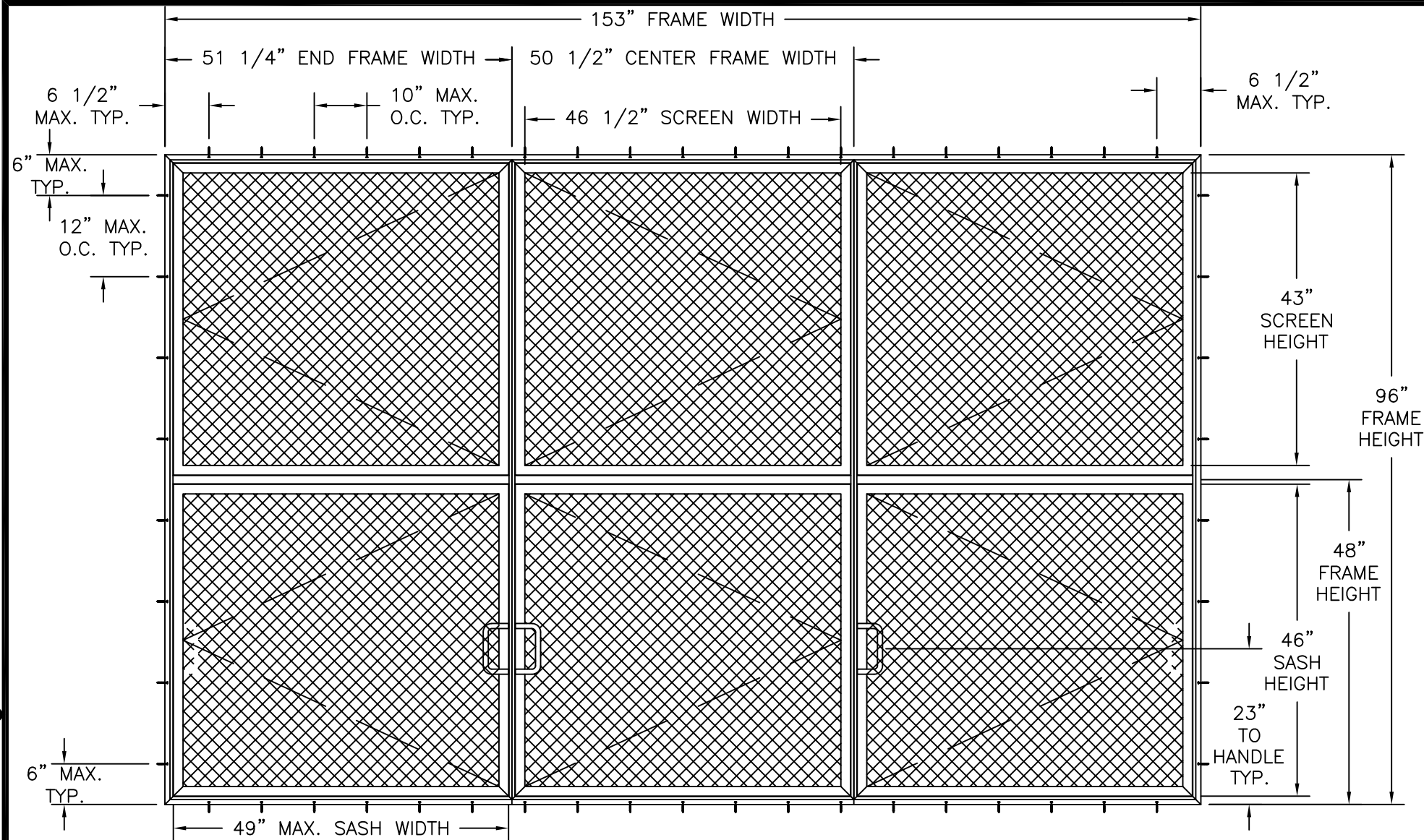




985HV ALUMINUM HURRICANE
SCREEN - IMPACT
EXTERIOR VIEW

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

MISSILE LEVEL D, WIND ZONE 4

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.
 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 .076" THICK.
 6. SASH MATERIAL: EXTRUDED ALUMINUM 6063-T5 .088" THICK.
 7. SCREEN MATERIAL: .035" STAINLESS STEEL WITH 12x12 STRANDS PER SQUARE INCH AND .048" OPEN SPACE BETWEEN STRANDS. MESH FINISH MAY BE NATURAL OR PAINTED.
 8. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
 9. 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".
 10. SEE CHART BELOW FOR REQUIRED NUMBER OF ANCHORS.

- GLASS SEPARATION NOTES:
1. SEPARATION FROM GLASS INSIDE WIND ZONES 1, 2 AND 3 IS NOT REQUIRED.
 2. SEPARATION FROM GLASS INSIDE WIND ZONE 4 MUST BE 2 3/16".

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		Required Number of anchors											
		Nominal Single Sash and Total Unit Width (in)											
		24.0		30.0		36.0		42.0		48.0		51.0	
Height (in)	72.0		90.0		108.0		126.0		144.0		153.0		
	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	
48.0	7	4	9	4	11	4	13	4	15	4	15	4	
54.0	7	5	9	5	11	5	13	5	15	5	15	5	
60.0	7	5	9	5	11	5	13	5	15	5	15	5	
66.0	7	6	9	6	11	6	13	6	15	6	15	6	
72.0	7	6	9	6	11	6	13	6	15	6	15	6	
78.0	7	7	9	7	11	7	13	7	15	7	16	7	
84.0	8	7	10	7	12	7	14	7	16	7	17	7	
90.0	8	8	10	8	12	8	14	8	17	8	18	8	
96.0	9	8	11	8	13	8	15	8	18	8	19	8	

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1	ELEVATION, ANCHORING AND NOTES
2 – 5	INSTALLATION DETAILS
6	COMPONENTS

TAPCO INCORPORATED

1815 McCULLOUGH BLVD

TUPELO, MS 38801

985HV ALUMINUM HURRICANE SCREEN

IMPACT

ELEVATION

DRAWN: TJH

DWG NO. 08-01204A

REV A

SCALE NTS

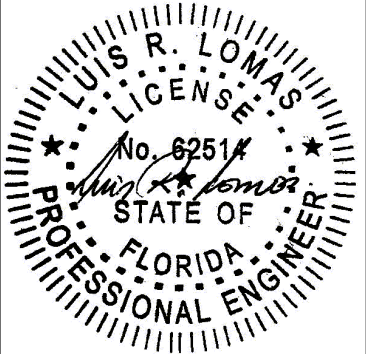
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SHEET 1 OF 6

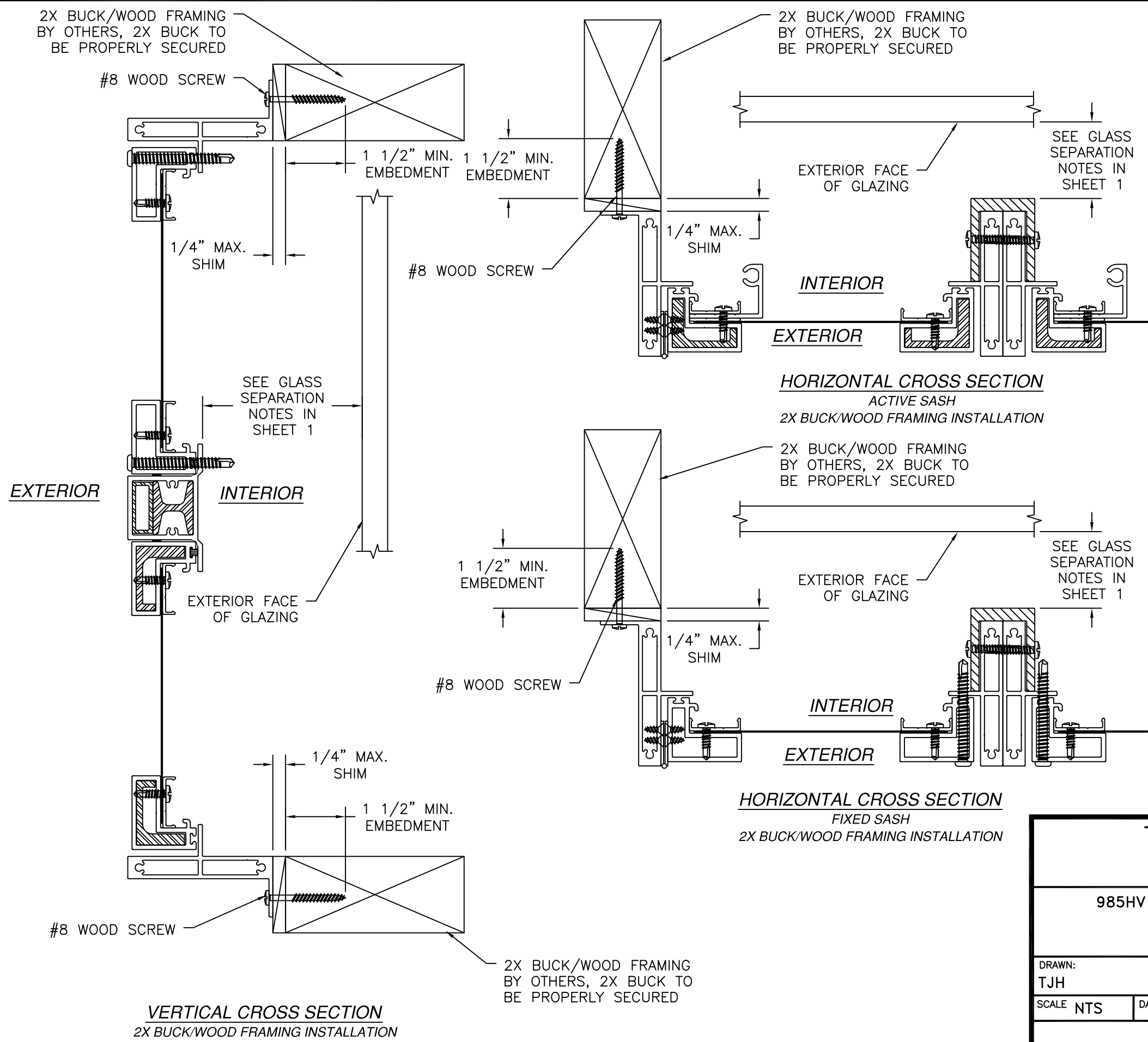
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- ANCHORING NOTES:
1. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
 2. FOR ANCHORING INTO MASONRY USE 3/16" ELCO ULTRACON TAPCONS WITH SUFFICIENT 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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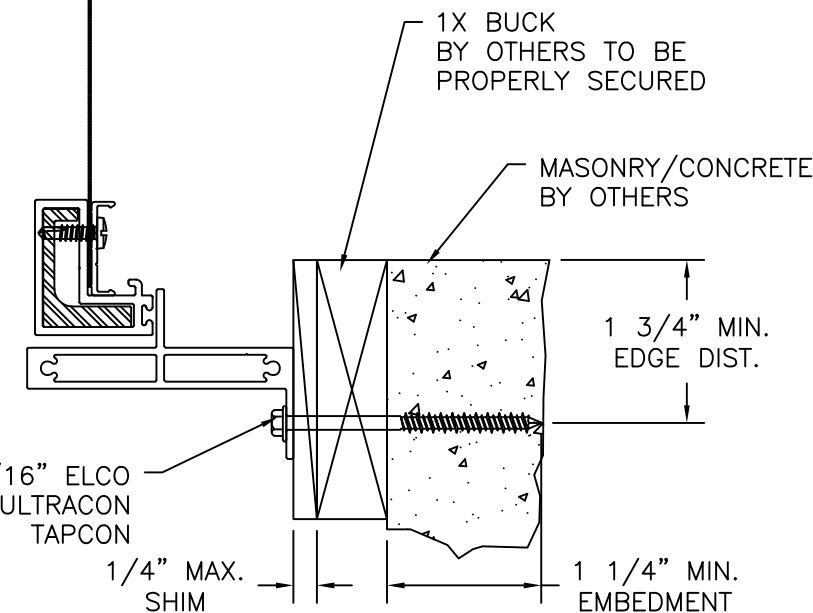
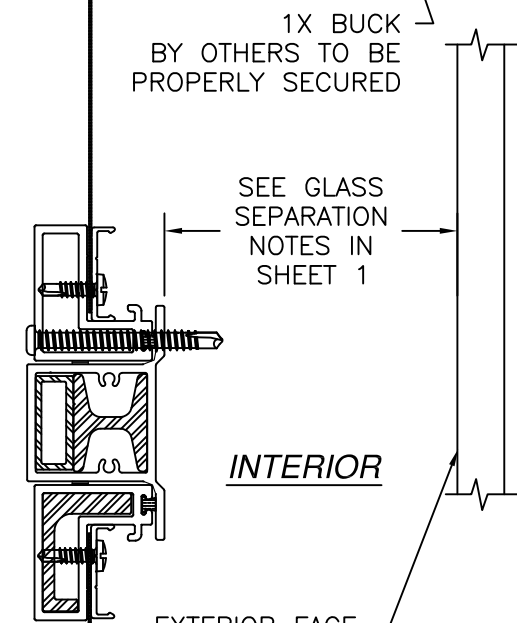
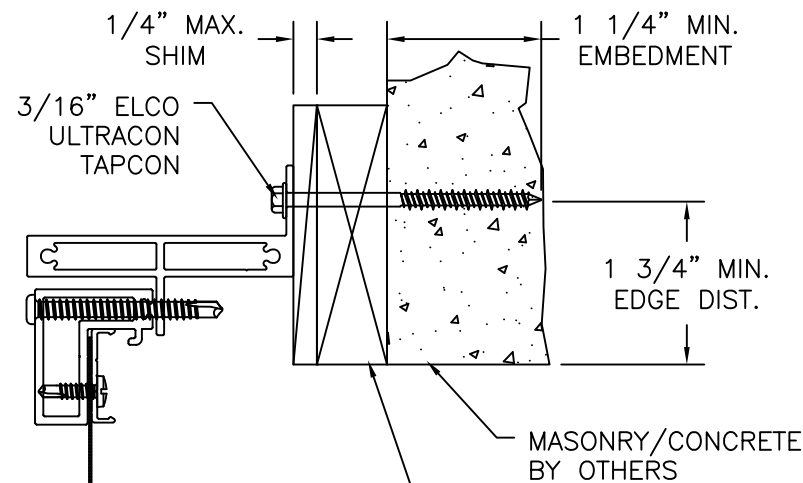
985HV ALUMINUM HURRICANE SCREEN
IMPACT
INSTALLATION DETAILS

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SCALE NTS	DATE 01/18/11	SHEET 2 OF 6

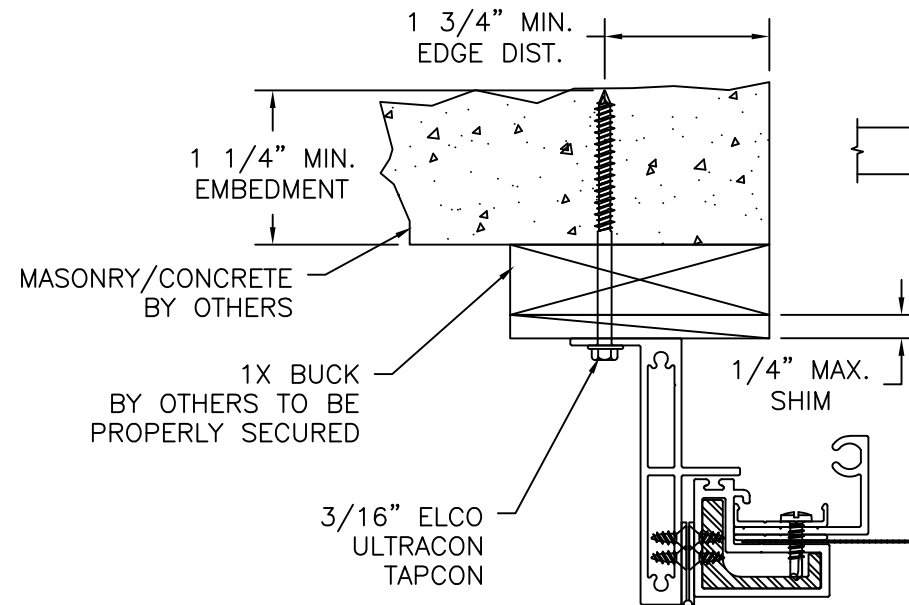
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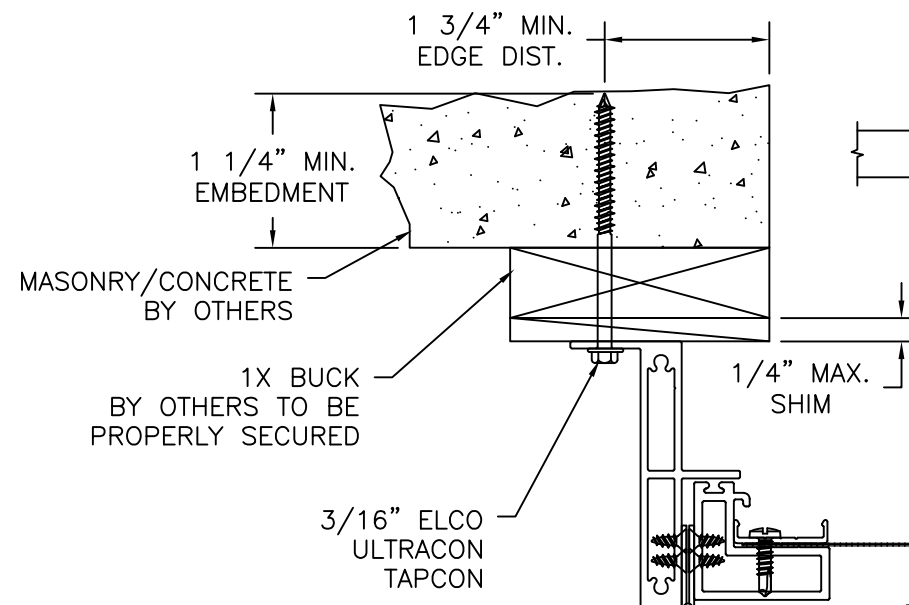
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VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

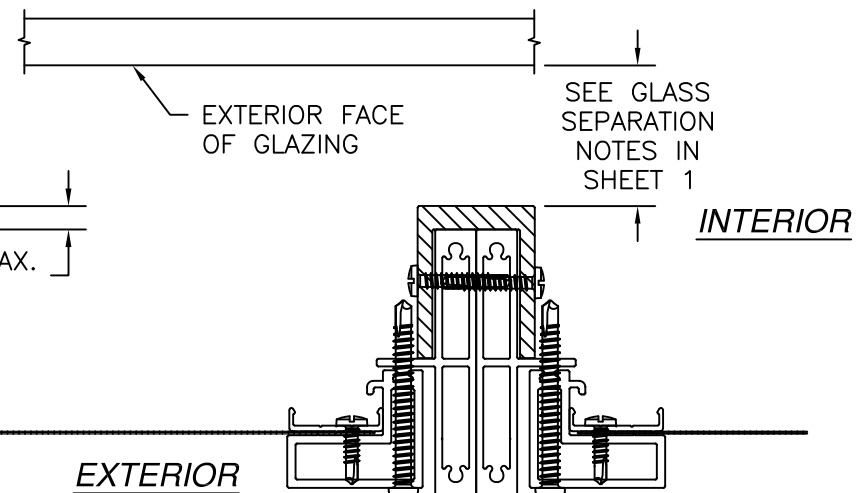
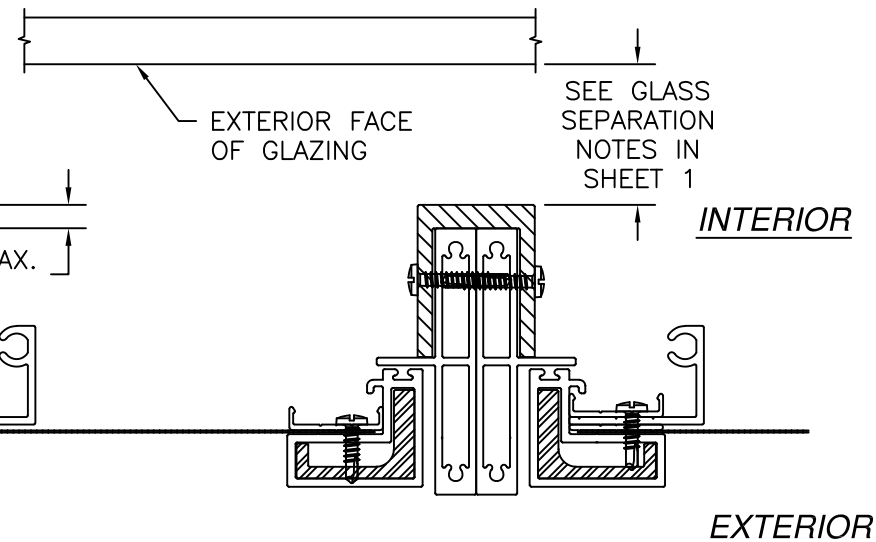


HORIZONTAL CROSS SECTION
ACTIVE SASH
MASONRY/CONCRETE INSTALLATION



HORIZONTAL CROSS SECTION
FIXED SASH
MASONRY/CONCRETE INSTALLATION

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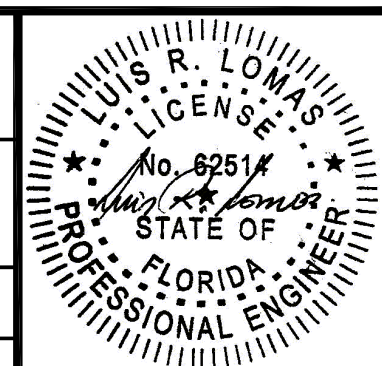
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01/18/11

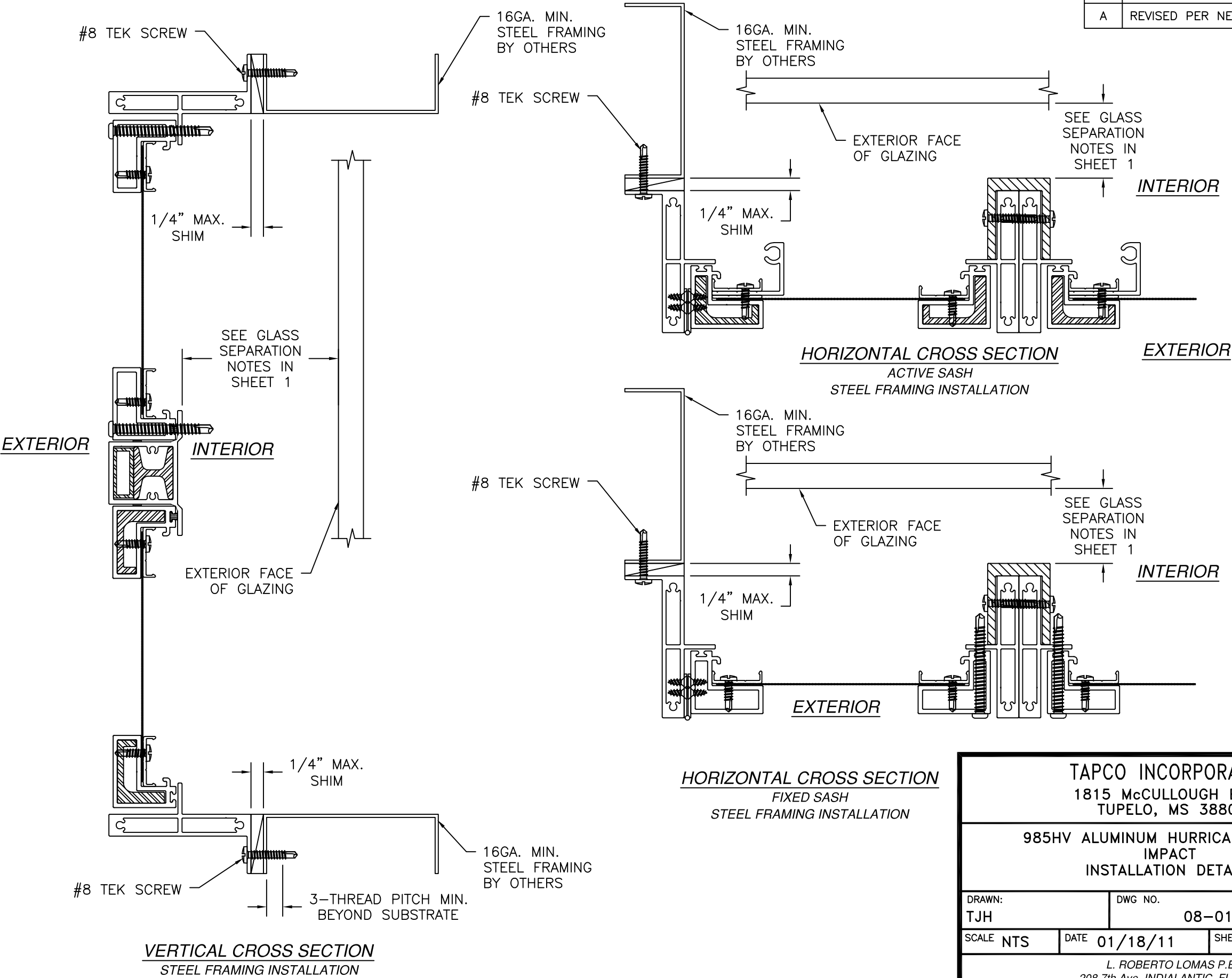
SHEET
3 OF 6

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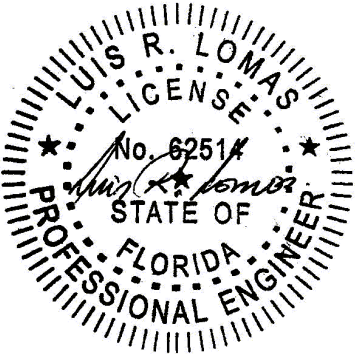
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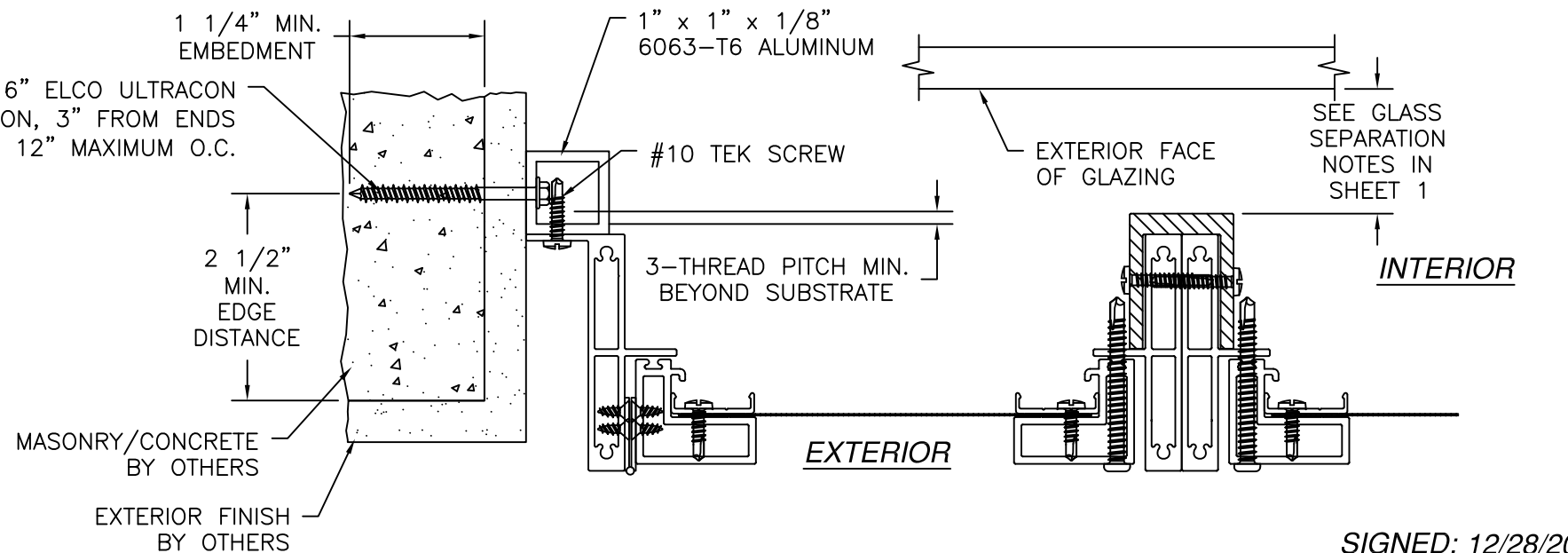
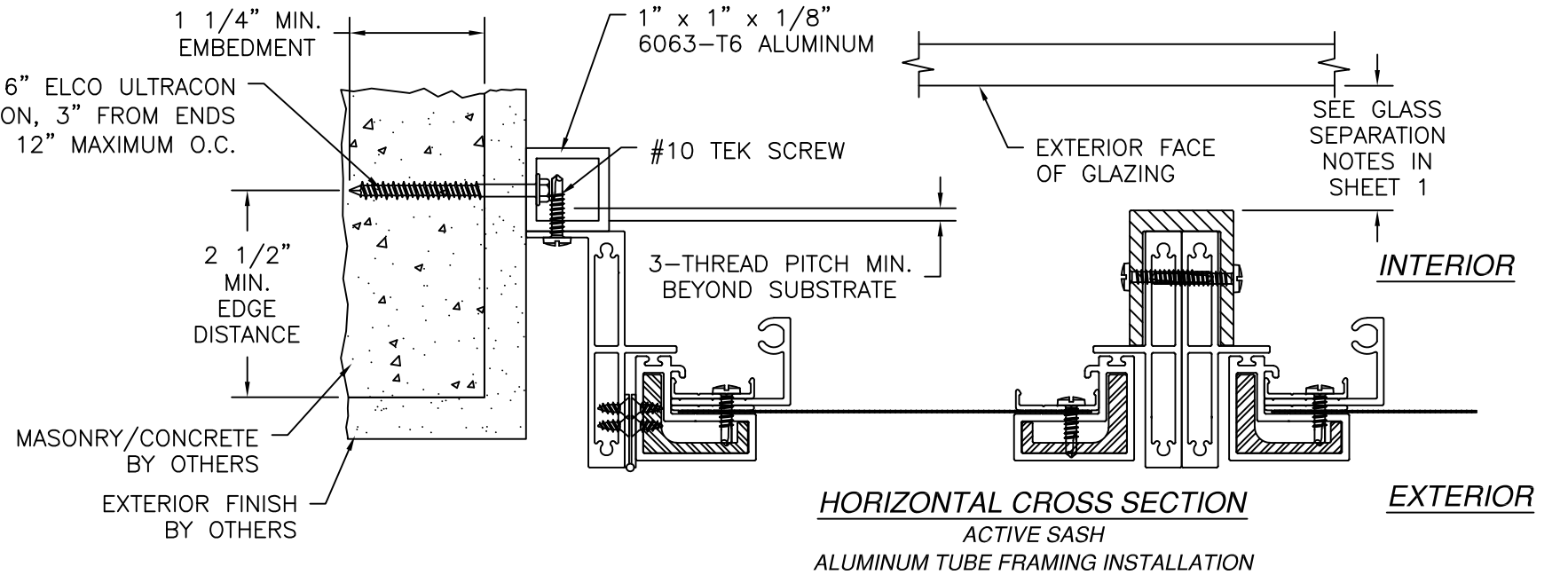
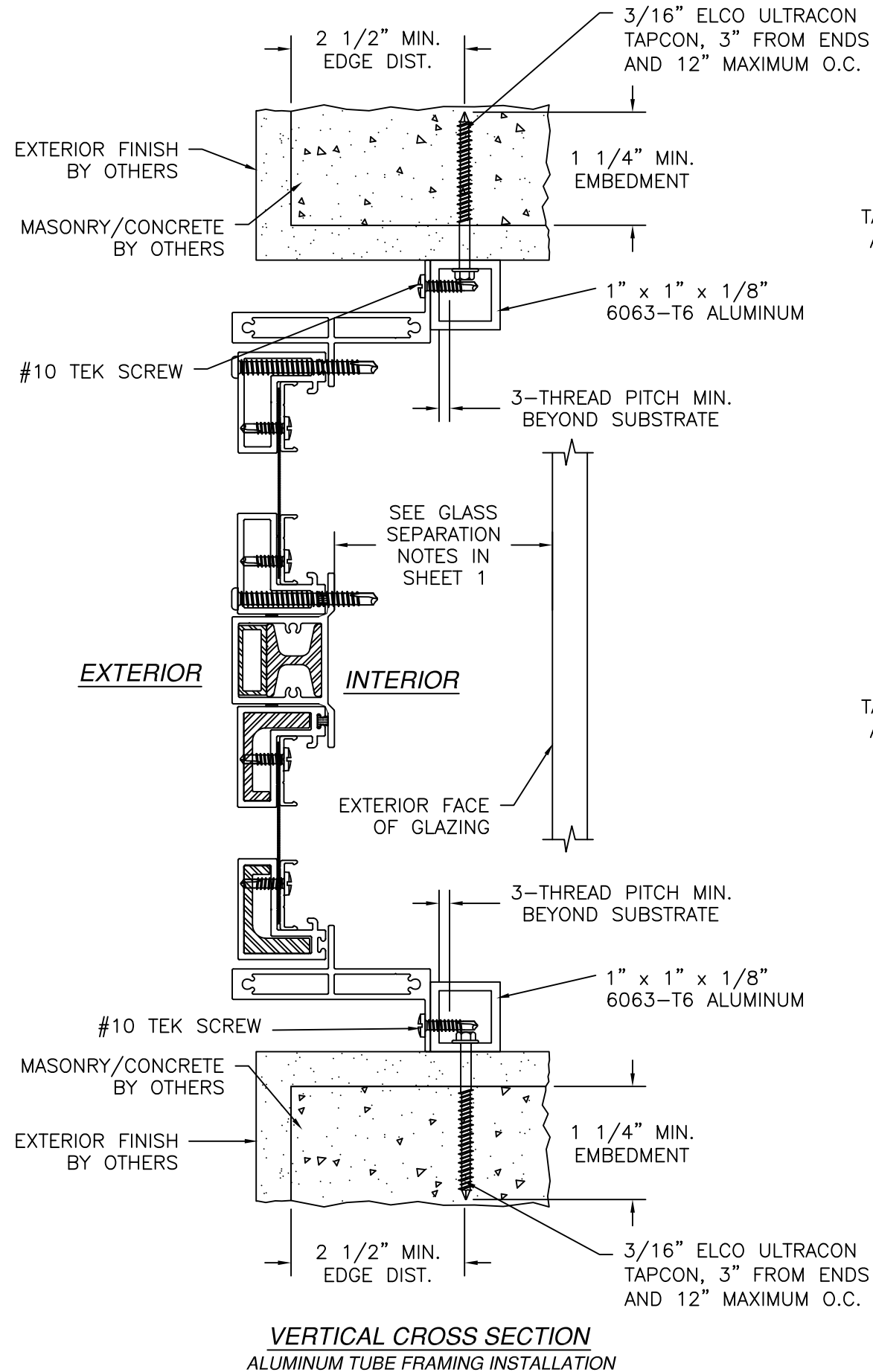
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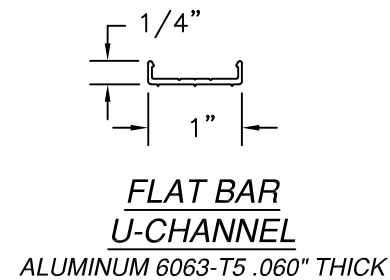
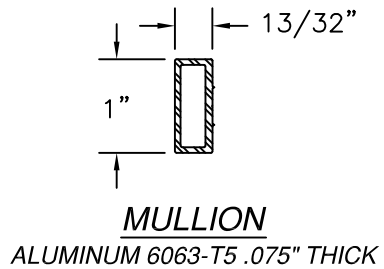
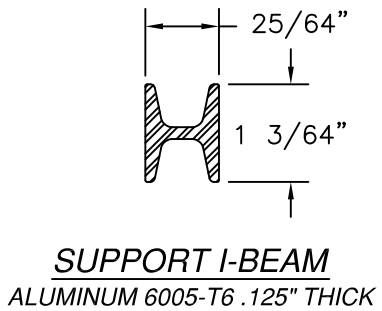
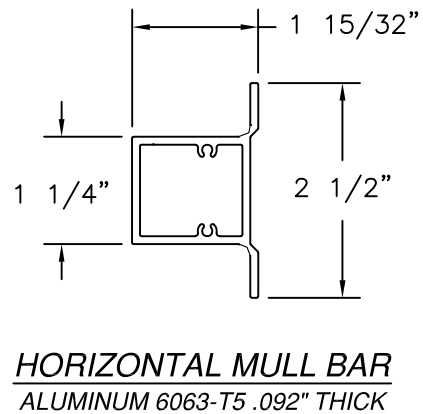
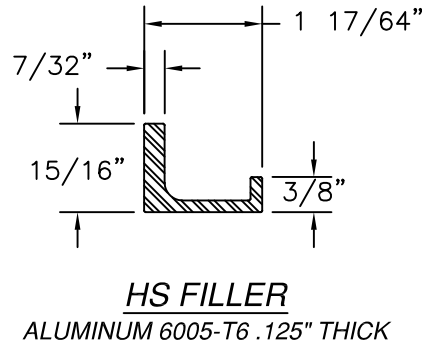
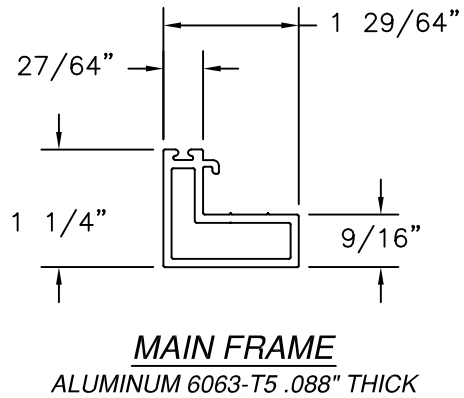
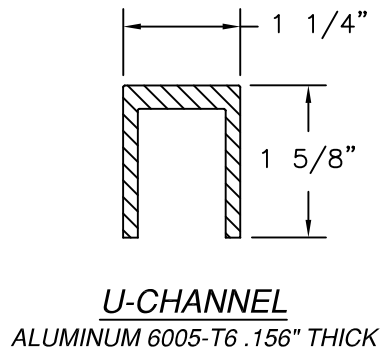
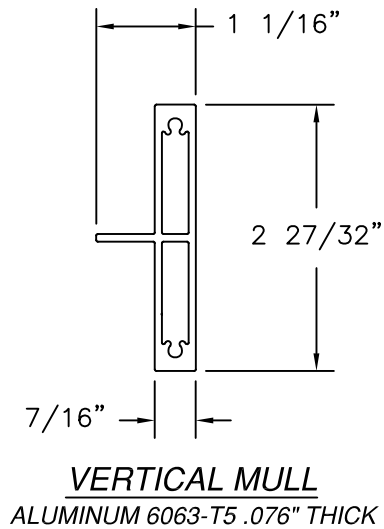
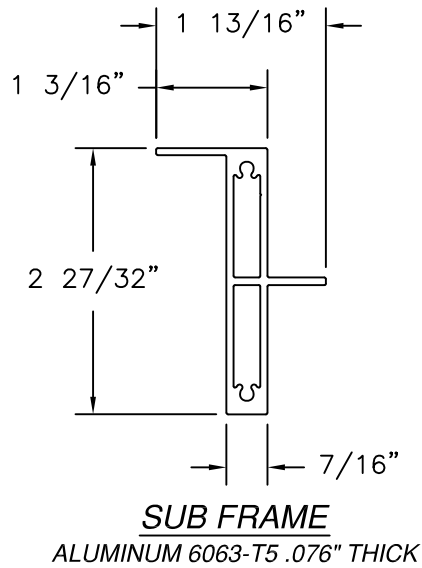
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TAPCO INCORPORATED 1815 McCULLOUGH BLVD TUPELO, MS 38801		
985HV ALUMINUM HURRICANE SCREEN IMPACT INSTALLATION DETAILS		
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SCALE NTS	DATE 01/18/11	SHEET 5 OF 6
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TUPELO, MS 38801

985HV ALUMINUM HURRICANE SCREEN

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