

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

(3) PANELS SHOWN, UNLIMITED NUMBER OF PANELS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AS SHOWN.

Maximum design pressure capacity (psf)						
Mullion span (in)	Tributary width (in)					
	24.00	30.00	36.00	42.00	48.00	51.00
54.00	70.0	70.0	70.0	70.0	70.0	70.0
60.00	70.0	70.0	70.0	67.5	64.0	62.9
66.00	70.0	70.0	64.0	58.5	54.9	53.5
72.00	70.0	64.7	56.9	51.6	48.0	46.6
78.00	69.8	58.5	51.2	46.2	42.7	41.3
84.00	64.0	53.4	46.5	41.8	38.4	37.1
90.00	59.1	49.2	42.7	38.2	34.9	33.6
96.00	54.9	45.5	39.4	35.1	32.0	30.8
102.00	51.2	42.4	36.6	32.5	29.1	27.8
108.00	45.7	37.0	31.3	27.2	24.3	23.1

LARGE AND SMALL MISSILE IMPACT, WIND ZONE 3, LEVEL E

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED NOTE 5	07/09/12	R.L.

NOTES:

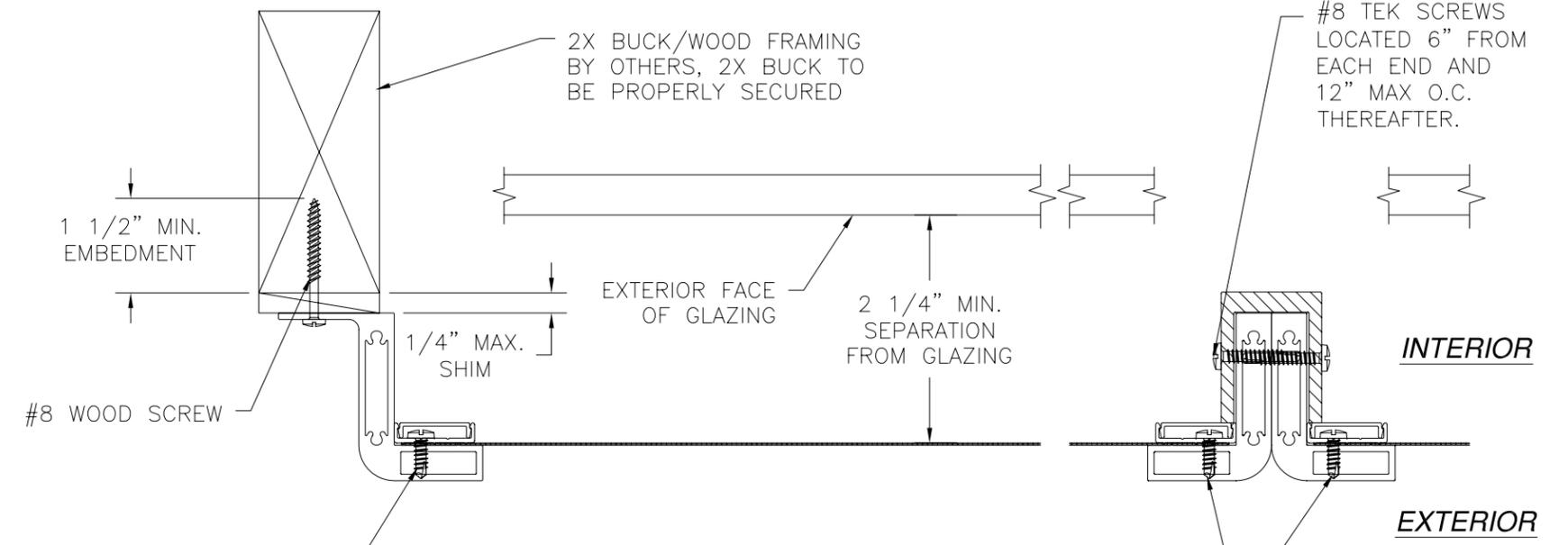
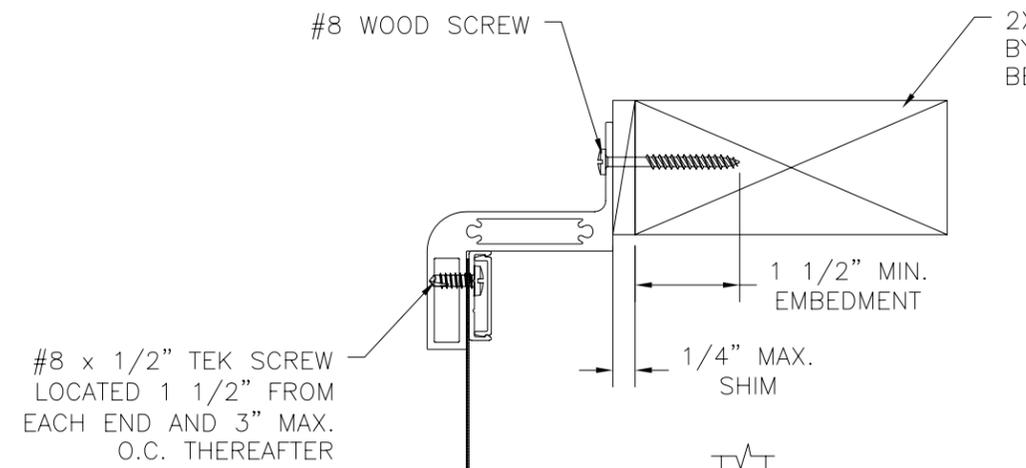
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 IRC AND THE 2006 IBC WITH STATE OF TEXAS MODIFICATIONS..
- 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. 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 6005-T5 .080" THICK.
- 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 ZONE 3 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 #10 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:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL FRAMING - STEEL 18GA, 33KSI OR 6063-T5 1/8" THICK MINIMUM
- 14) UNITS MAYBE INSTALLED VERTICALLY, OR HORIZONTALLY.

SIGNED: 07/09/2012

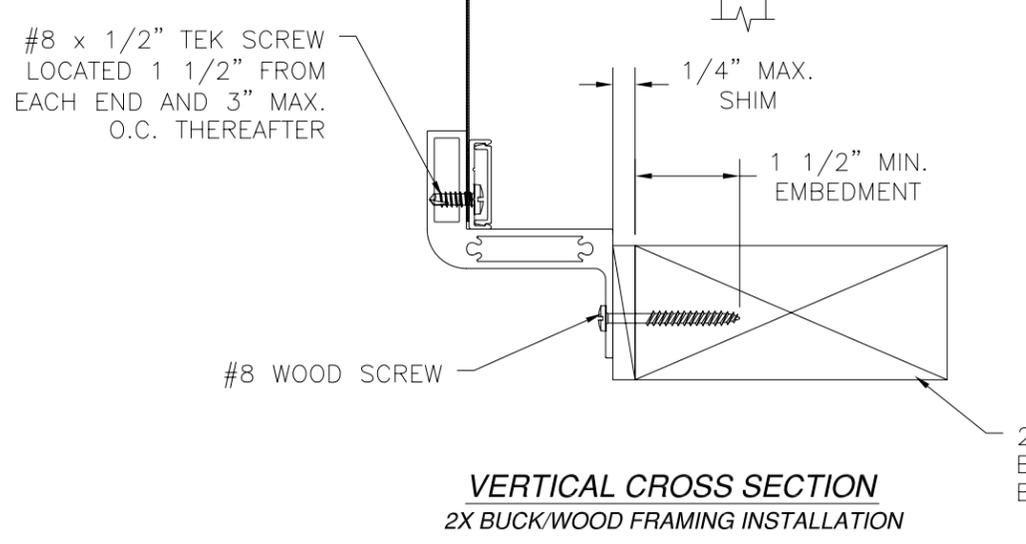
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200-HV-F ALUMINUM FIXED MULLED HURRICANE SCREEN - IMPACT WIND ZONE 3 ELEVATIONS, ANCHORING LAYOUT AND NOTES		
DRAWN: V.L.	DWG NO. 08-01378	REV A
SCALE NTS	DATE 10/31/11	SHEET 1 OF 4

Luis R. Lomas P.E.
TX NO.: 101889

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HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION



VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION

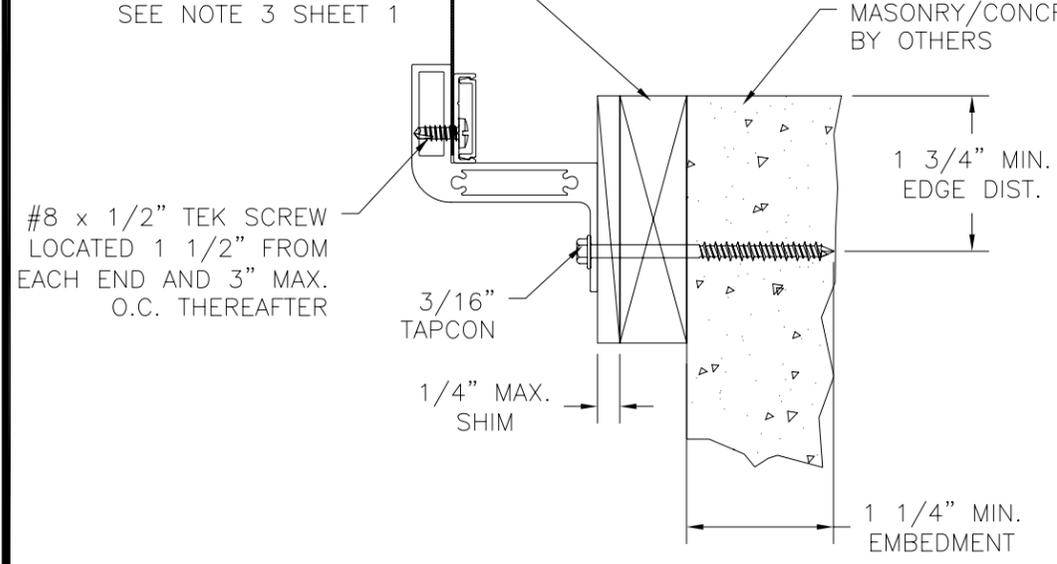
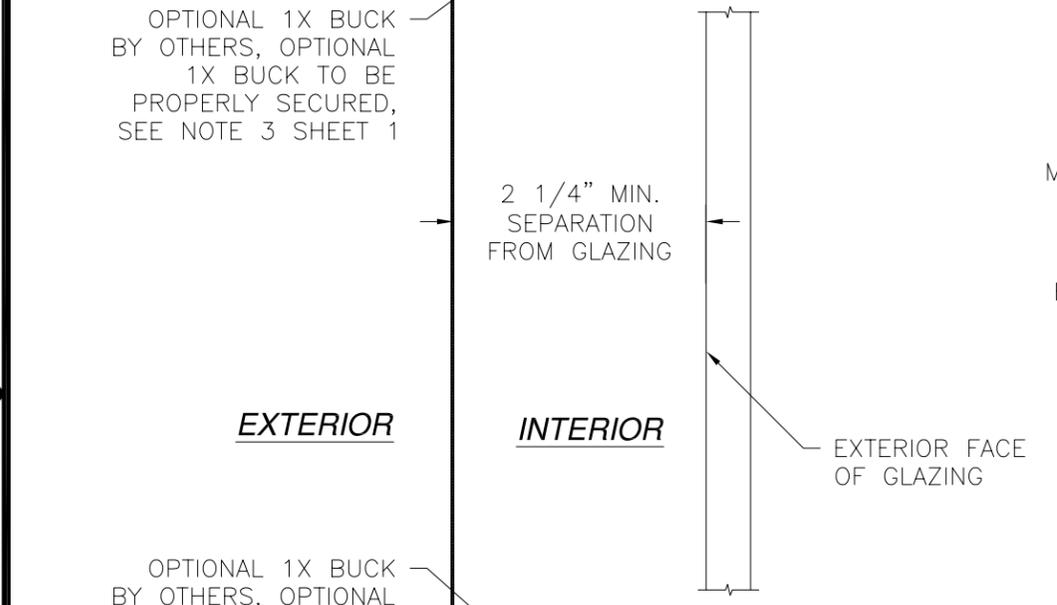
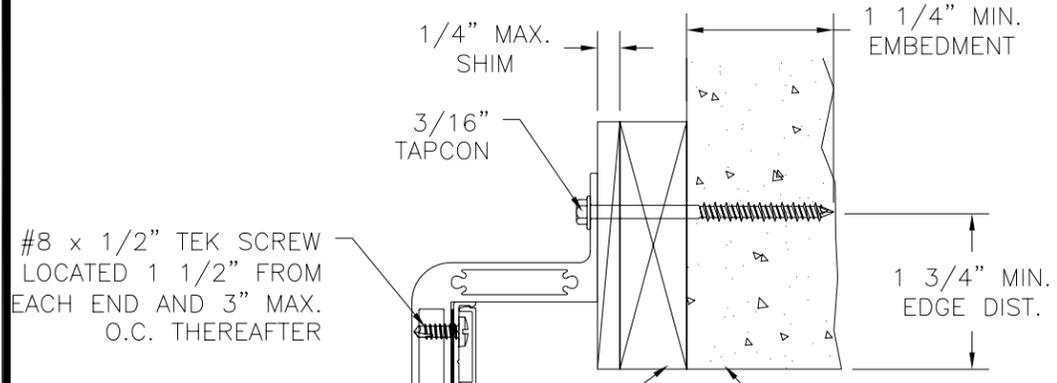
TAPCO INCORPORATED
1815 MCCULLOUGH BLVD
TUPELO, MS 38801

200-HV-F ALUMINUM FIXED MULLED
HURRICANE SCREEN - IMPACT WIND ZONE 3
INSTALLATION DETAILS

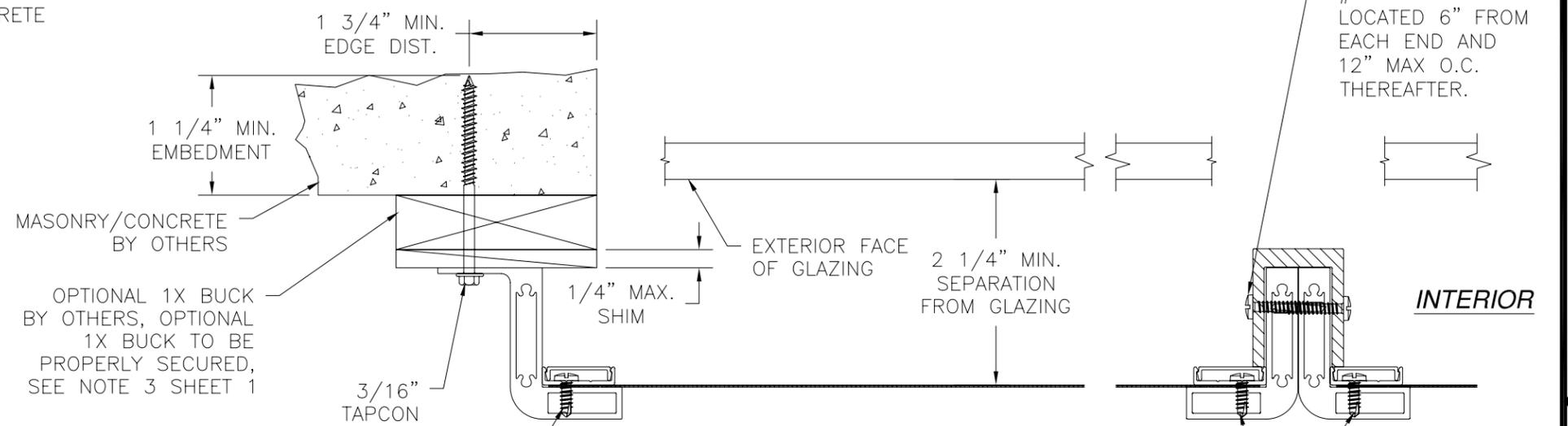
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SCALE NTS	DATE 10/31/11	SHEET 2 OF 4

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VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION



HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

#8 x 1/2" TEK SCREW LOCATED 1 1/2" FROM EACH END AND 3" MAX. O.C. THEREAFTER

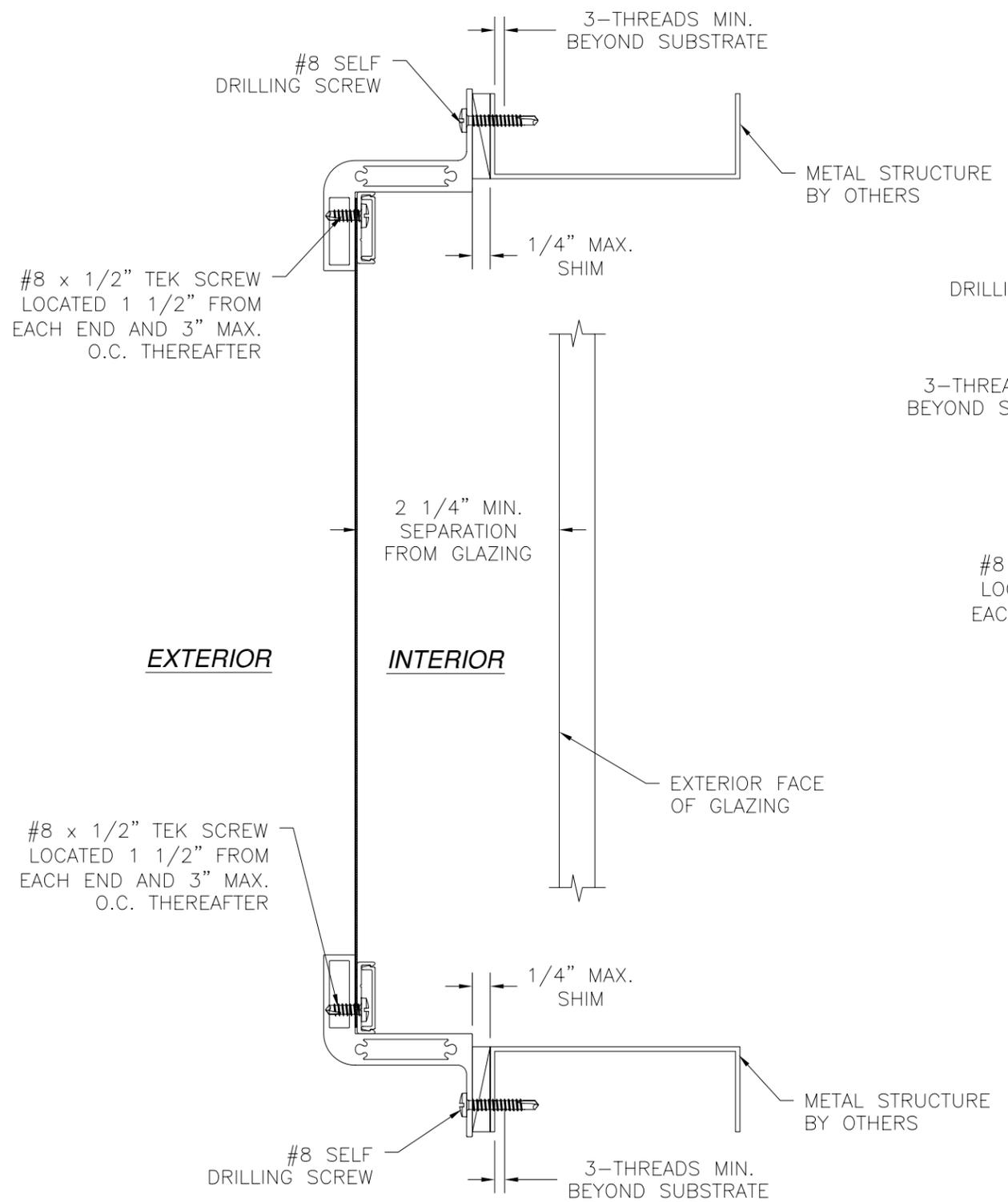
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HURRICANE SCREEN - IMPACT WIND ZONE 3
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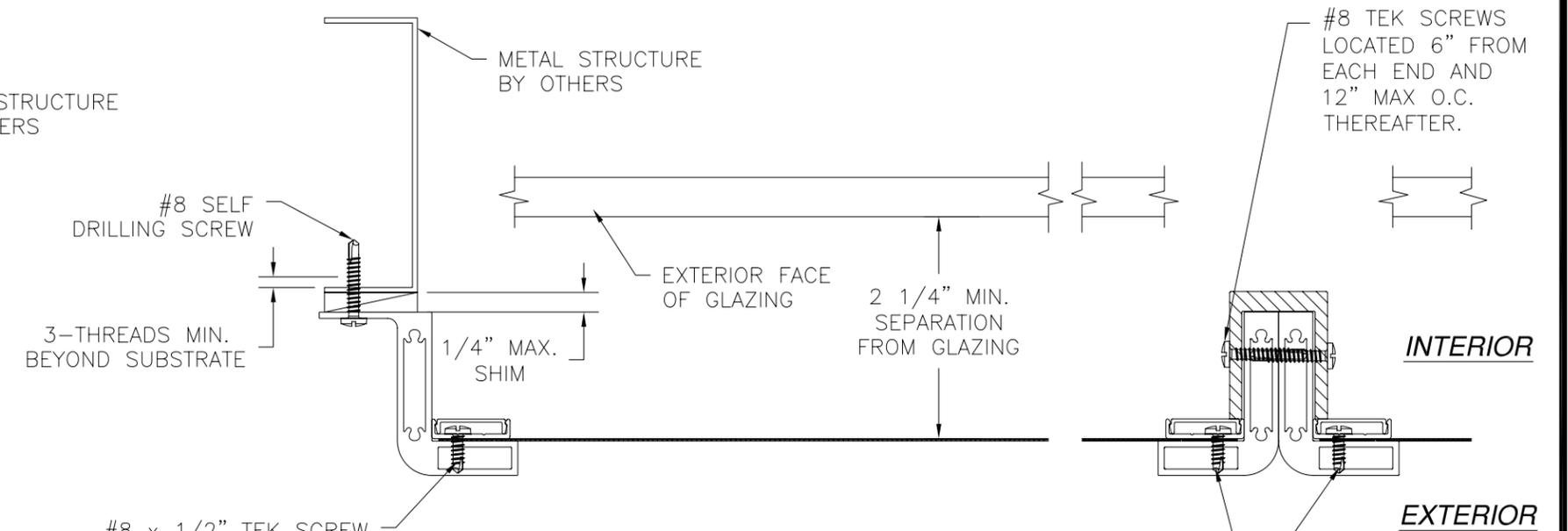
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SCALE NTS	DATE 10/31/11	SHEET 3 OF 4

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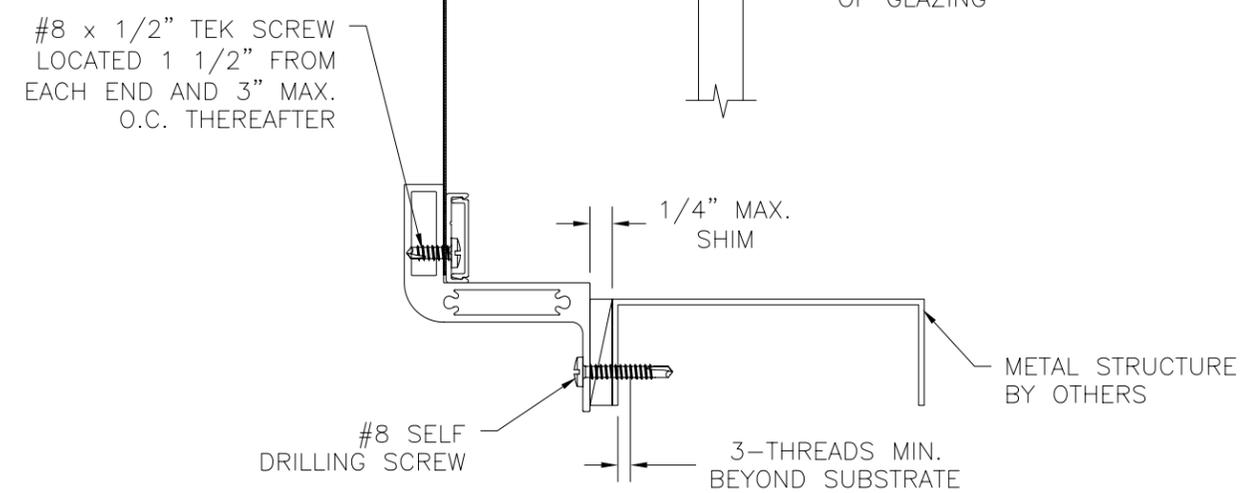
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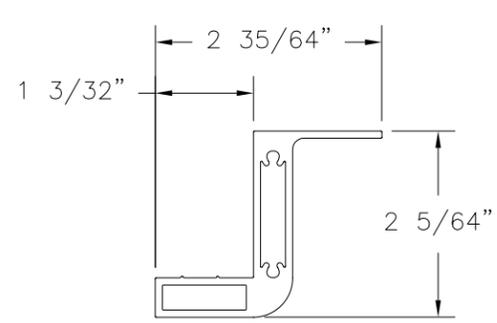
VERTICAL CROSS SECTION
STEEL FRAMING INSTALLATION



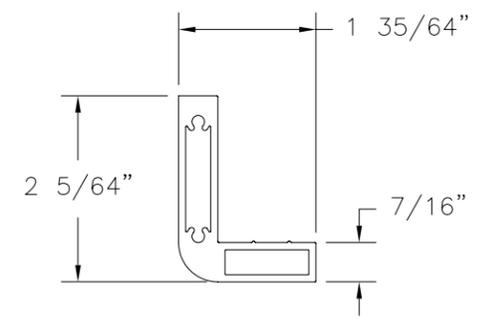
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STEEL FRAMING INSTALLATION



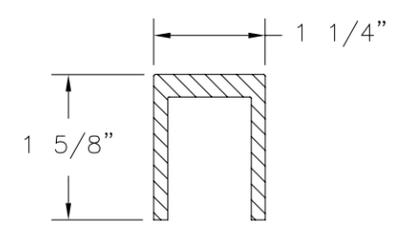
VERTICAL CROSS SECTION
STEEL FRAMING INSTALLATION



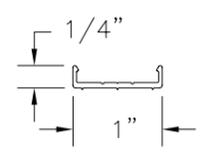
200-F MAIN FRAME
ALUMINUM 6005-T5 .080" THICK



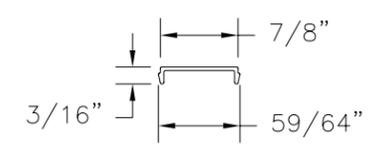
200-F MULLION
ALUMINUM 6005-T5 .080" THICK



U-CHANNEL
ALUMINUM 6005-T6 .156" THICK



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



FLAT BAR COVER
EXTRUDED RIGID PVC .040" THICK

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