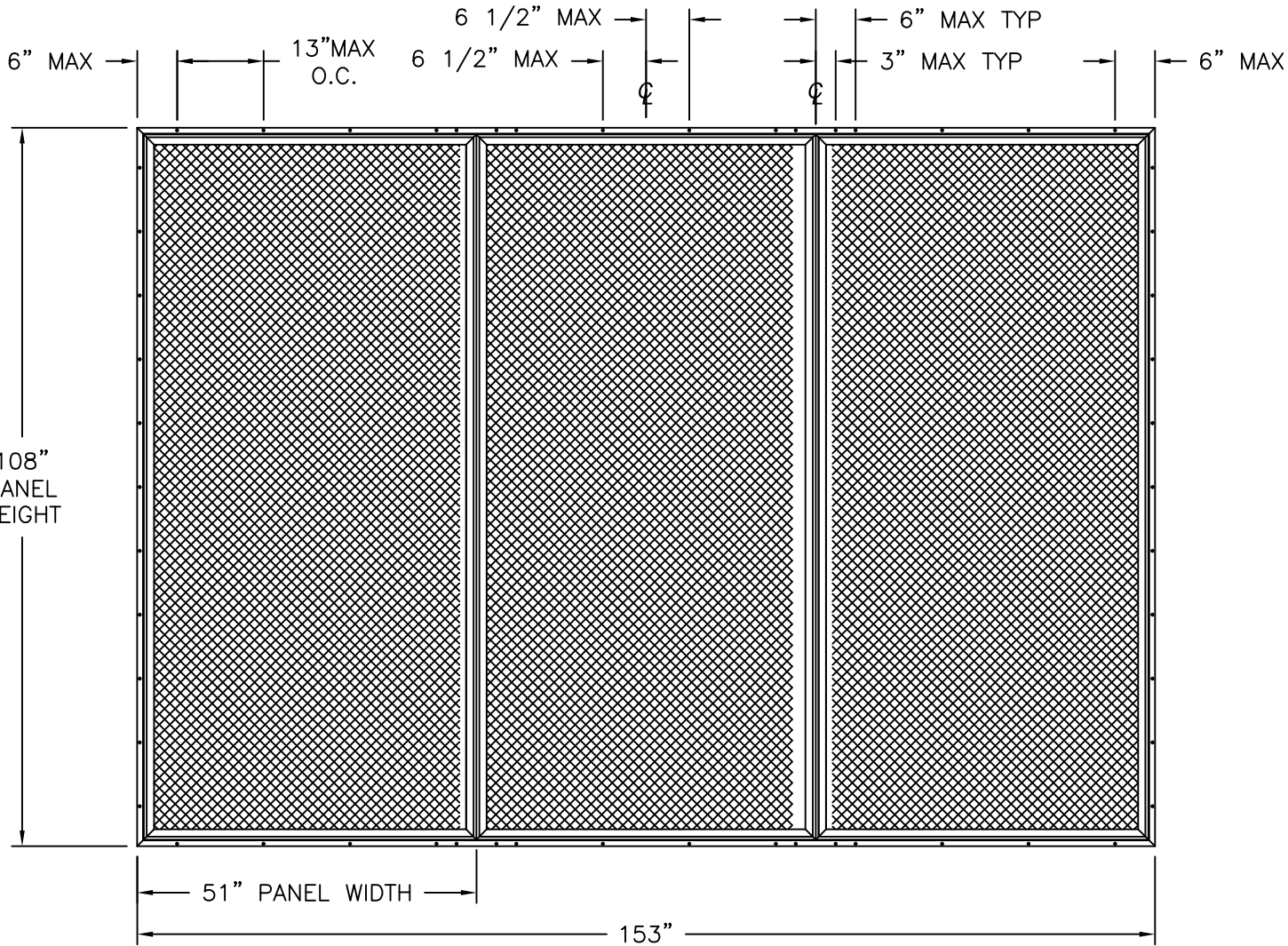




300 SERIES ALUMINUM MULLED HURRICANE SCREEN
EXTERIOR VIEW
(3) PANELS SHOWN, UNLIMITED NUMBER OF PANELS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AS SHOWN.

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	70.0	70.0	70.0
66.00	70.0	70.0	70.0	70.0	70.0	70.0
72.00	70.0	70.0	70.0	70.0	70.0	70.0
78.00	70.0	70.0	70.0	70.0	66.7	64.5
84.00	70.0	70.0	68.5	60.3	54.5	52.3
90.00	70.0	64.8	55.1	48.4	43.6	41.6
96.00	65.5	53.1	45.1	39.4	35.4	33.8
102.00	54.4	44.1	37.3	32.6	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 – 2	ELEVATIONS, ANCHORING LAYOUT AND NOTES
3 – 5	INSTALLATION DETAILS AND COMPONENTS

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.
 - 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, UP TO WIND ZONE 3.
 - 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 1/4" 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 #10 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:
 - 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.

TAPCO INCORPORATED
1815 McCULLOUGH BLVD
TUPELO, MS 38801

300 SERIES ALUMINUM MULLED
HURRICANE SCREEN IMPACT WIND ZONE 3
300-HV-F ELEVATION AND NOTES

DRAWN: J.L.

DWG NO. 08-02481A

REV A

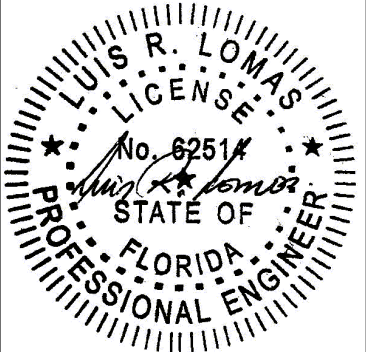
SCALE NTS

DATE 08/26/14

SHEET 1 OF 5

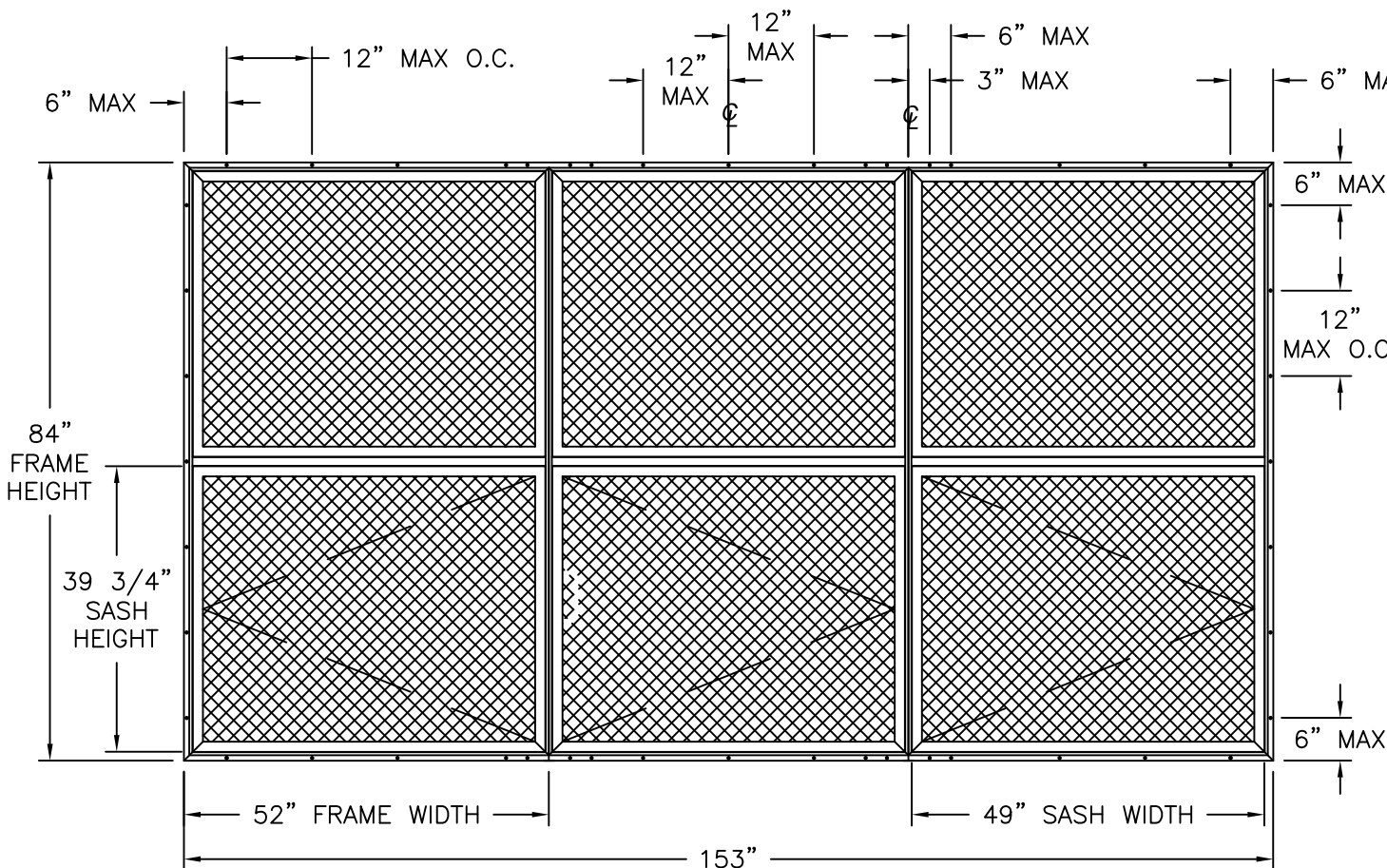
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SIGNED: 12/28/2023



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

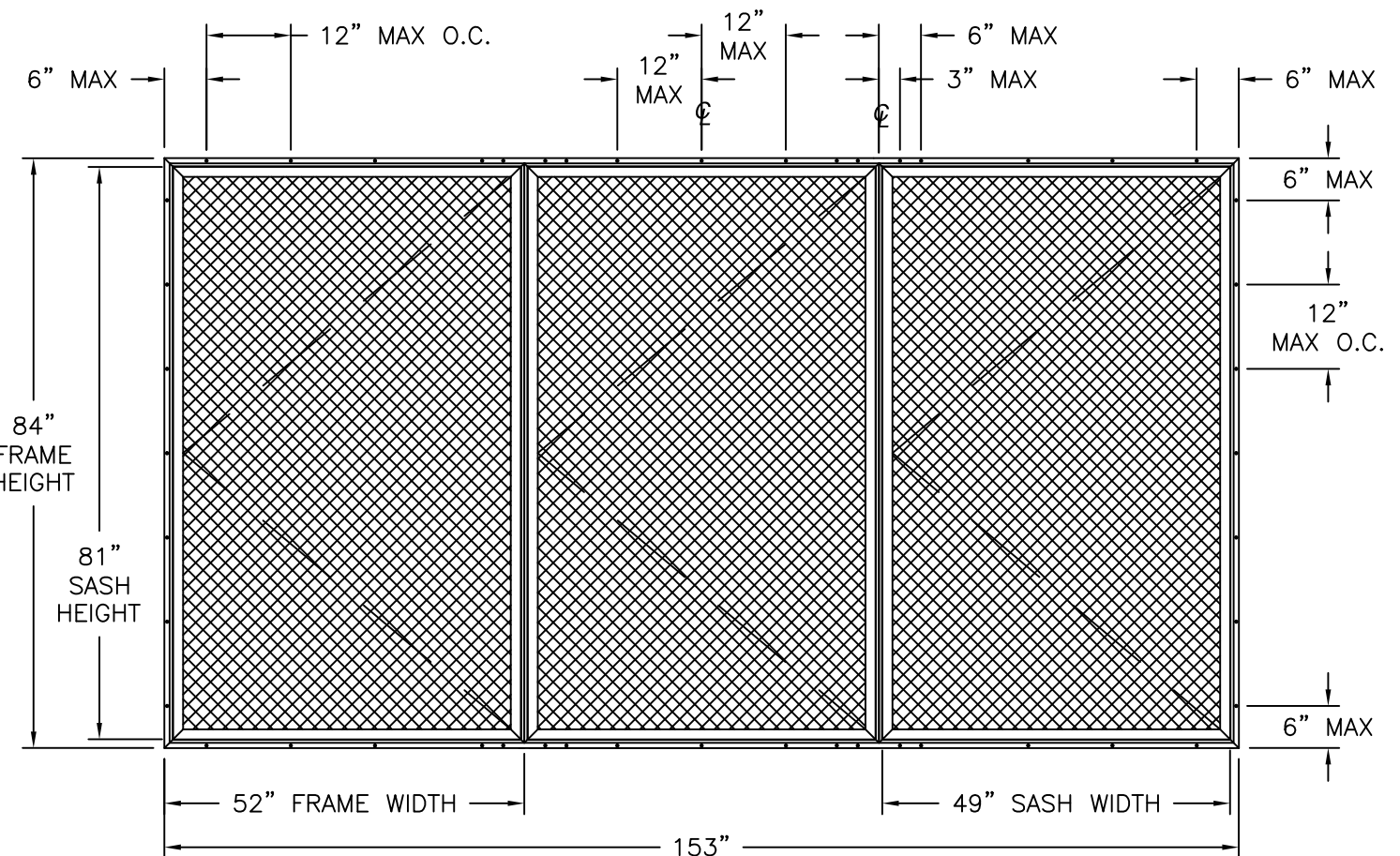
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REV	DESCRIPTION	DATE	APPROVED
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**300-13 SIDE PIVOT ALUMINUM MULLED FIXED/ OPERABLE
HURRICANE SCREEN**

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.



**300-12 SIDE PIVOT ALUMINUM MULLED OPERABLE
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	52.00
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36.00	70.0	70.0	70.0	70.0	70.0	70.0
42.00	70.0	70.0	70.0	70.0	70.0	70.0
48.00	70.0	70.0	70.0	70.0	70.0	70.0
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	62.6
66.00	70.0	70.0	64.0	58.5	54.9	53.2
72.00	70.0	64.7	56.9	51.6	48.0	46.2
78.00	69.8	58.5	51.2	46.2	42.7	40.9
84.00	64.0	53.4	46.5	41.8	38.4	36.7

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

TAPCO INCORPORATED

1815 McCULLOUGH BLVD
TUPELO, MS 38801

300 SERIES ALUMINUM MULLED
HURRICANE SCREEN IMPACT WIND ZONE 3
300-12 AND 300-13 ELEVATIONS

DRAWN: J.L.

DWG NO. 08-02481A

REV A

SCALE NTS

DATE 08/26/14

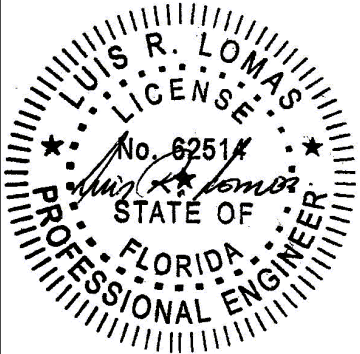
SHEET 2 OF 5

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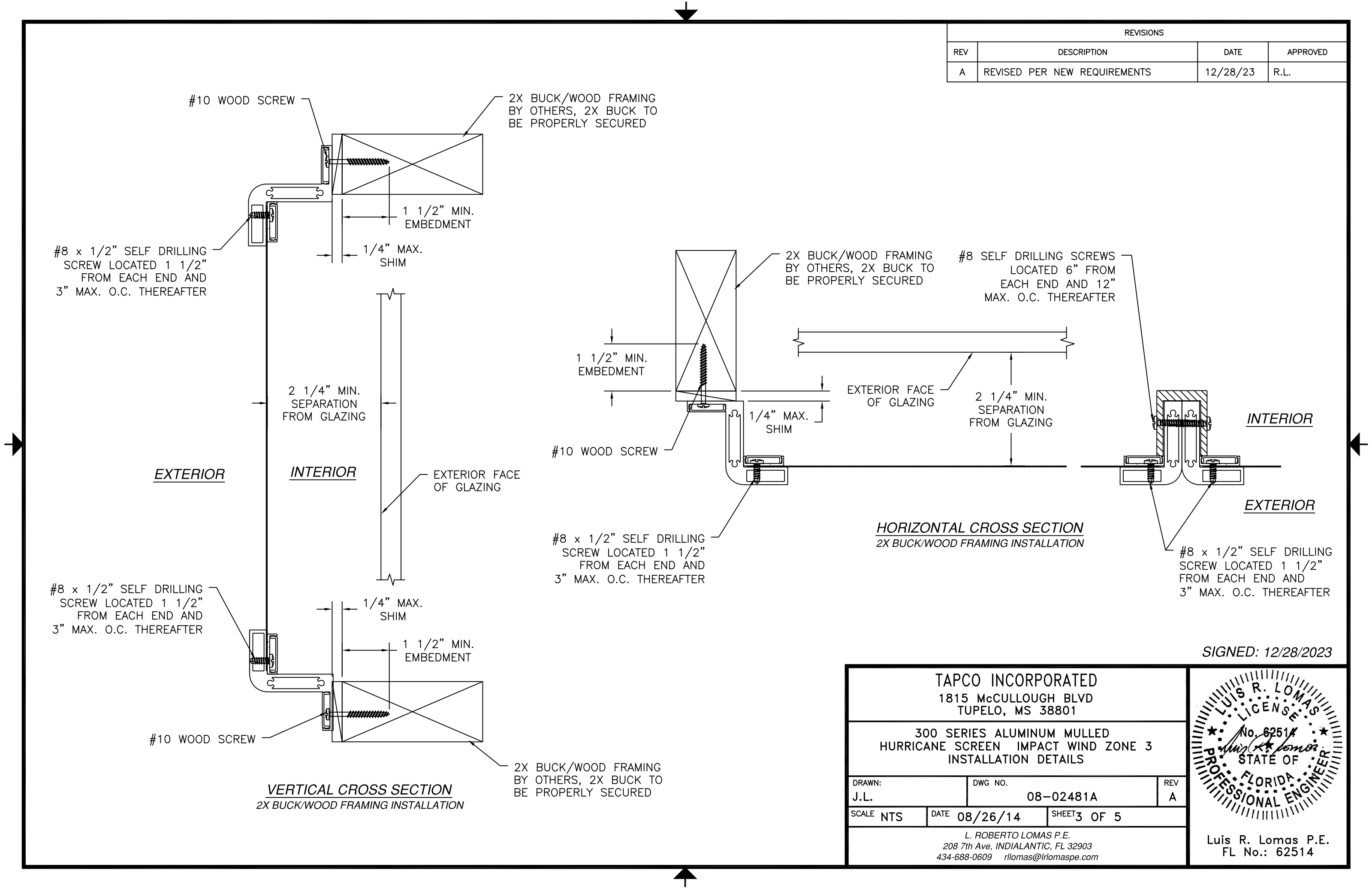
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SIGNED: 12/28/2023



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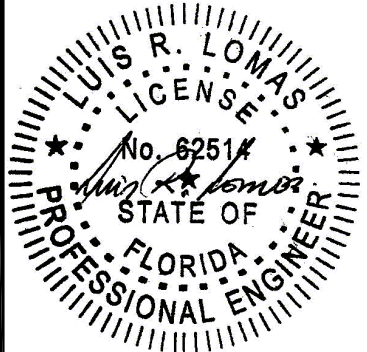
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1815 McCULLOUGH BLVD
TUPELO, MS 38801

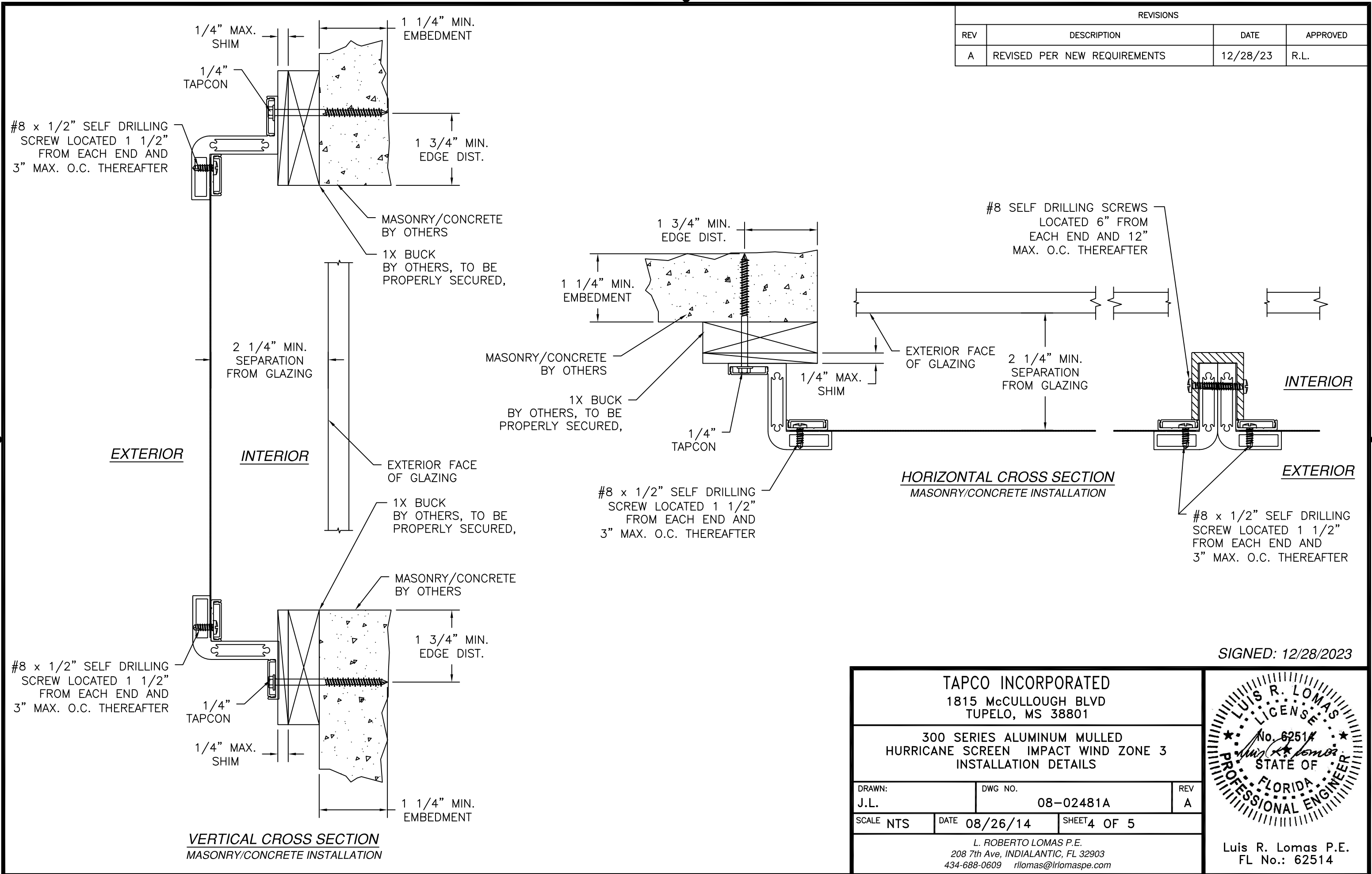
**300 SERIES ALUMINUM MULLED
HURRICANE SCREEN IMPACT WIND ZONE 3
INSTALLATION DETAILS**

DRAWN: J.L.	DWG NO. 08-02481A	REV A
SCALE NTS	DATE 08/26/14	SHEET 3 OF 5

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TUPELO, MS 38801

300 SERIES ALUMINUM MULLED
HURRICANE SCREEN IMPACT WIND ZONE 3
INSTALLATION DETAILS

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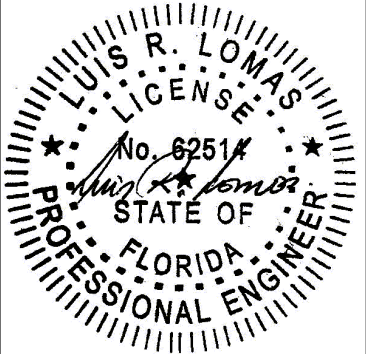
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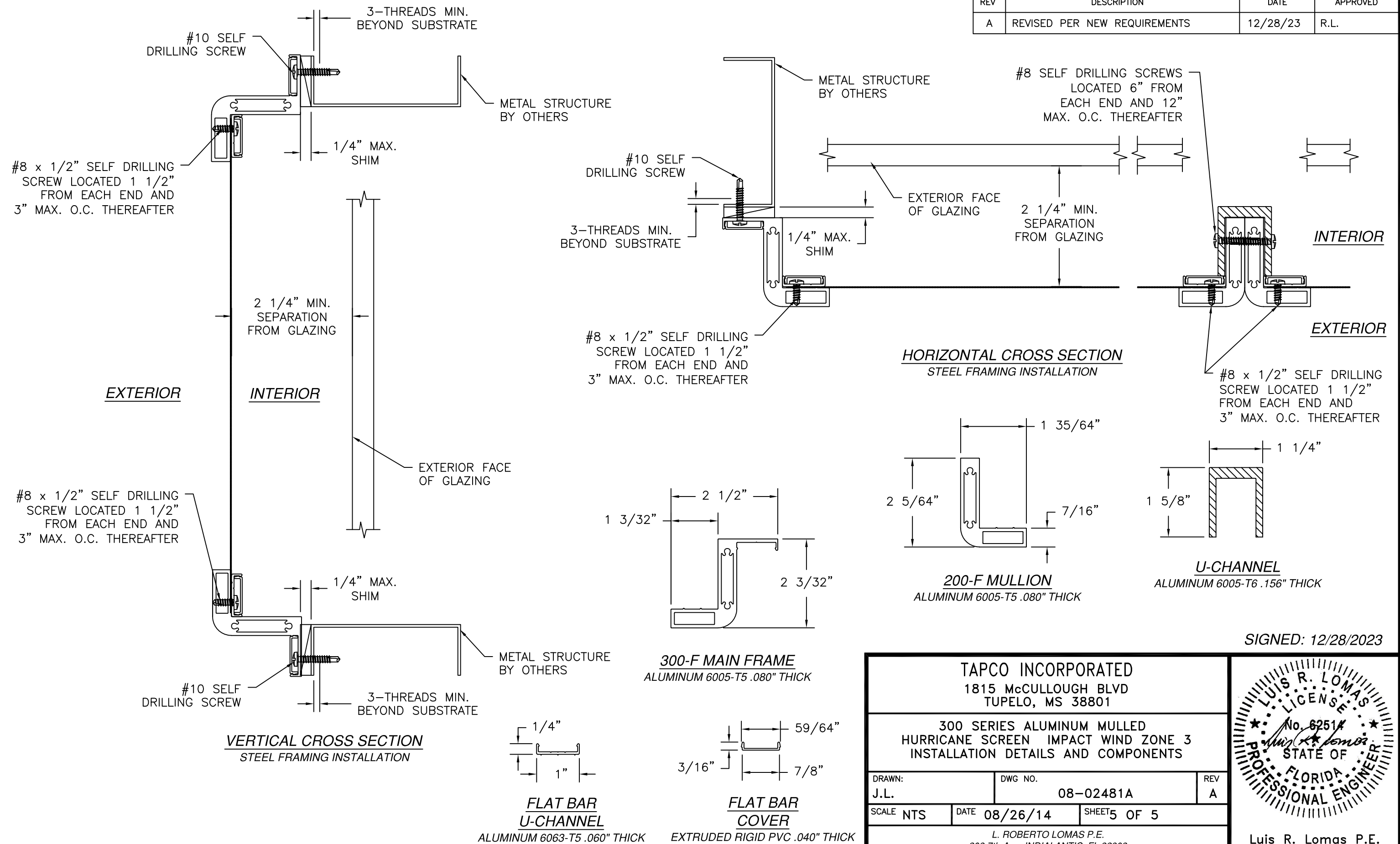
SHEET
4 OF 5

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TUPELO, MS 38801

300 SERIES ALUMINUM MULLED
HURRICANE SCREEN IMPACT WIND ZONE 3
INSTALLATION DETAILS AND COMPONENTS

DRAWN:
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SHEET
5 OF 5

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