

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PRODUCT NAME	12/26/13	R.L.
B	REVISED PER NEW CODE REQUIREMENTS	12/18/18	R.L.
C	ADDED NEW MATERIAL	03/17/2020	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. METAL FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING STRUCTURE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. INTERIOR SHEATHING TO BE GYPSUM TYPE X 1/2” THICK MINIMUM AND SECURED TO FRAMING TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING STRUCTURE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. PANEL THICKNESS TO BE 4MM.(MINIMUM)
5. PANEL MATERIAL TO BE COMPOSITE WITH A 3105–H14 ALUMINUM FACE .020” MINIMUM THICKNESS WITH POLYETHYLENE OR FIRE RETARDANT CORE MANUFACTURED BY MITSUBISHI PLASTICS.
6. RMAX FOAM PANEL TO BE 2” THICK MINIMUM (ECOMAXci).
7. COMPOSITE MAXIMUM PANEL SIZE: 59 1/4” X 143”
8. PANELS MAY BE OBTAINED FROM THE FOLLOWING MANUFACTURERS AND UNDER THESE BRAND NAMES:

ALPOLIC BY MITSUBISHI PLASTICS.

ALFREX FR BY ALFREX, LLC
9. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16” OR GREATER OCCURS.
10. FOR ANCHORING INTO METAL STRUCTURE USE #12 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS 3” MAX FROM EACH END AND 16” MAX O.C. THEREAFTER AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING PANELS INTO EXTRUSIONS USE 1/8” 5052 ALUMINUM POP RIVETS. LOCATE RIVETS 3” MAX FROM EACH END AND 16” MAX O.C. THEREAFTER 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. METAL STRUCTURE: GALVANIZED STEEL 18GA FY: 33KSI MIN OR GALVANIZED STEEL 16GA FY: 50KSI, REFER TO TABLE A SHEET 3..

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1	NOTES
2 – 3	ELEVATIONS
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5	INSTALLATION DETAILS
6	COMPONENTS

ALTECH PANEL SYSTEM LLC

1 JOHNSON STREET, SUITE 118

CARTERSVILLE, GA 30120

R-TRAC HVHZ

BY ALTECH/RMAX/ALPOLIC MCM WALL

NOTES

DRAWN:

J.L.

DWG NO.

08-01998

REV

C

SCALE

NTS

DATE

05/10/13

SHEET

1

OF

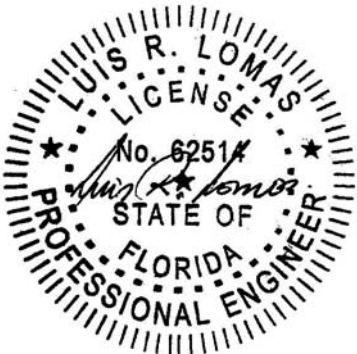
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L. ROBERTO LOMAS P.E.

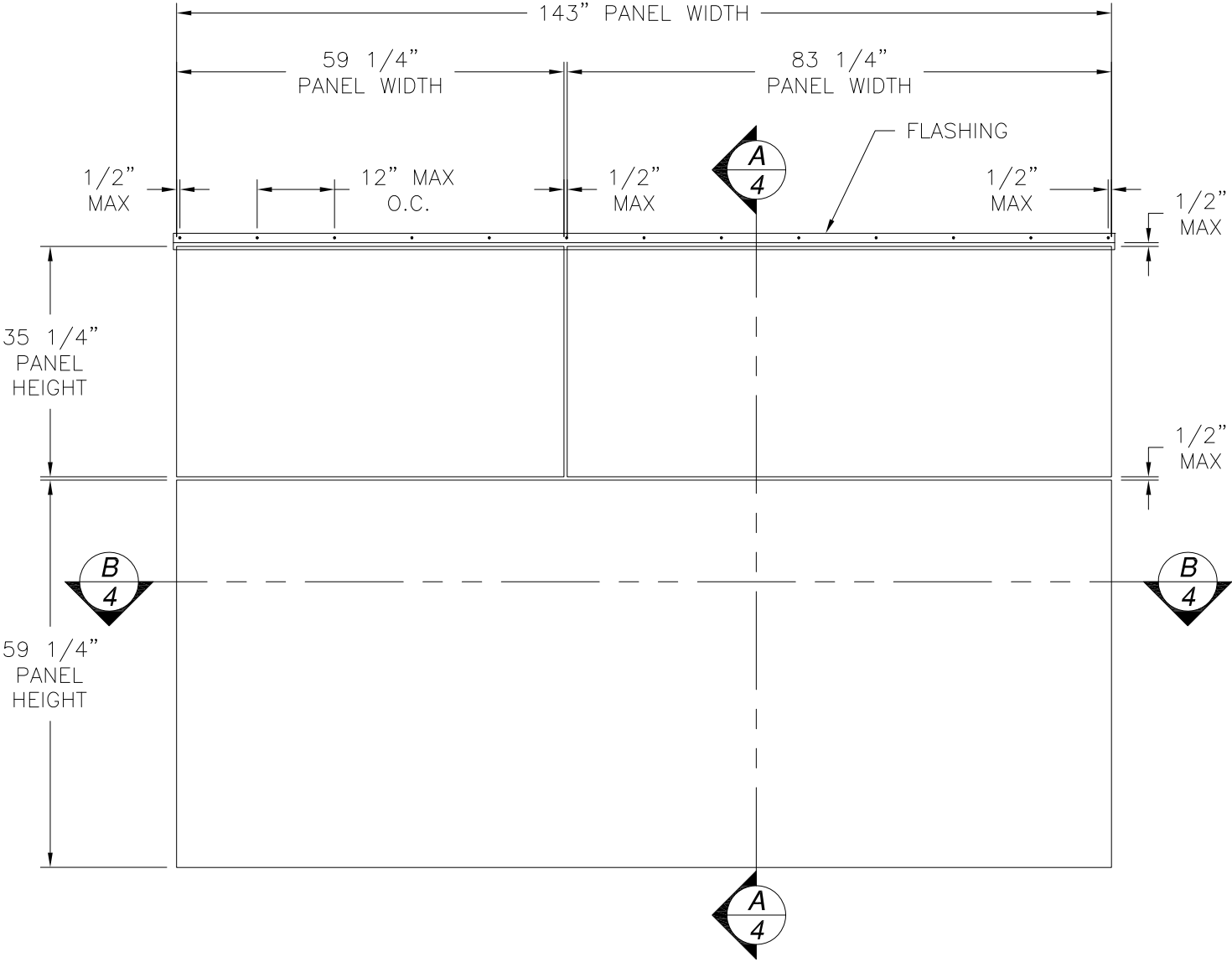
1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@rlomaspe.com

SIGNED: 03/31/2020



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



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R-TRAC HVHZ BY ALTECH/RMAX/ALPOLIC MCM WALL
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 120.0\text{PSF}$	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
REFER TO CHART 1 FOR RMAX ANCHORING RATINGS
59 1/4" X 143" PANEL SHOWN. OTHER SIZES ARE APPROVED AS LONG
AS PANEL AREA DOES NOT EXCEED 58.8 FT²

ALTECH PANEL SYSTEM LLC
1 JOHNSON STREET, SUITE 118
CARTERSVILLE, GA 30120

R-TRAC HVHZ
BY ALTECH/RMAX/ALPOLIC MCM WALL
ELEVATION

DRAWN:
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08-01998

REV
C

SCALE NTS

DATE 05/10/13

SHEET 2 OF 6

L. ROBERTO LOMAS P.E.
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FL No.: 62514

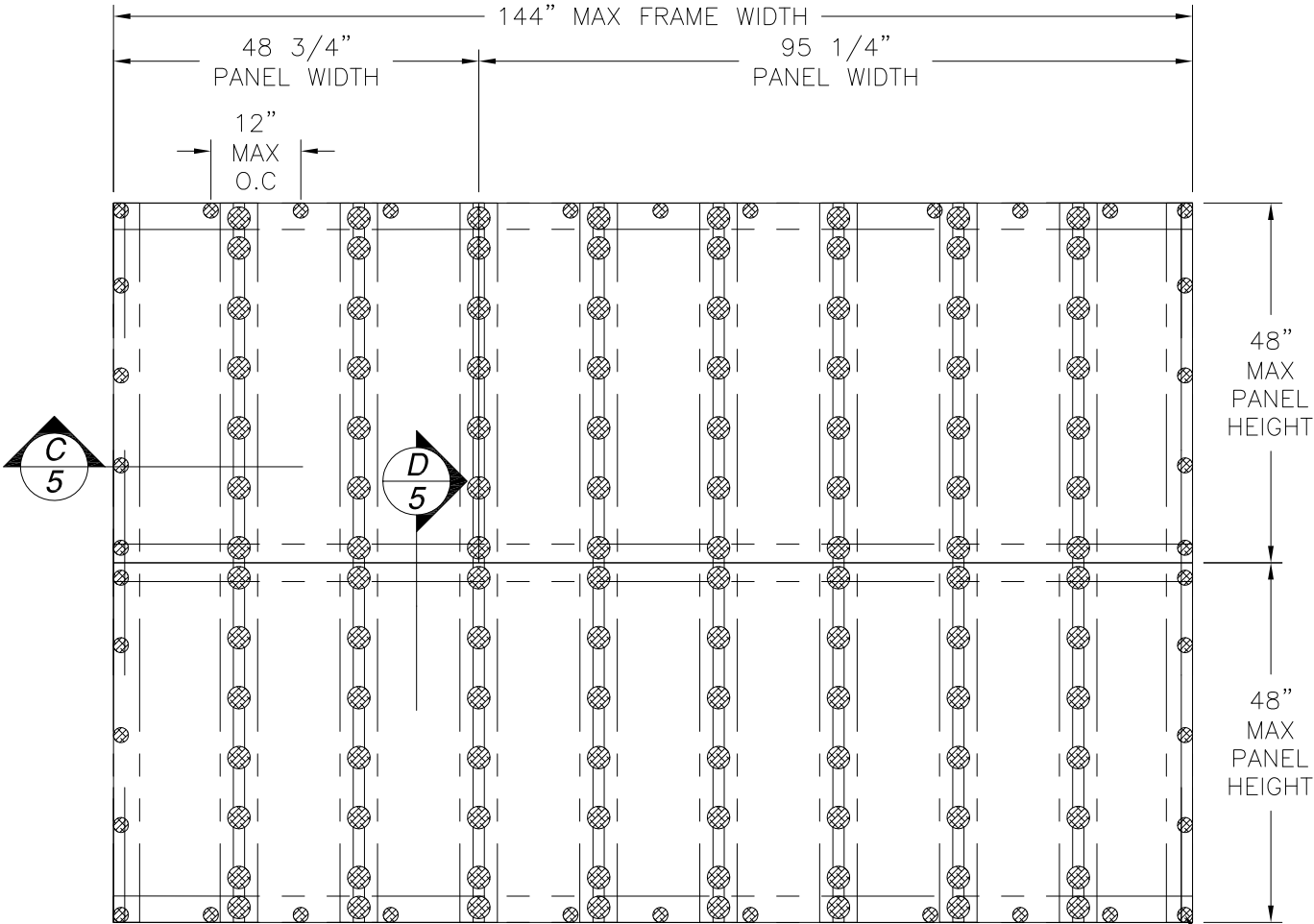
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TABLE A

RMAX FOAM ANCHORING CHART			
DESIGN PRESSURE (PSF)	STUD GAUGE MINIMUM	FIELD WASHER ON CENTER	
		3" DIA ¹	2" DIA ²
25.0	18	16.00	16.00
30.0			
35.0			
40.0			
45.0			
50.0			
55.0			
60.0			
65.0			
70.0			
75.0	16	12.00	N/A
80.0			
85.0			
90.0			
95.0			
100.0			
105.0			
110.0			
115.0			
120.0		8.00	

NOTES:

- 3" RMAX PLASTIC WASHER WITH #10X3" GRIP DECK SCREW FOR 2" RMAX FOAM AND #10X4" GRIP DECK SCREW FOR 3" RMAX FOAM.
- 2" PLASTIC GRIP CBW2 WASHER WITH #10X4" GRIP DECK SCREW WHEN USING 3" RMAX OR #10X3" GRIP DECK SCREW WHEN USING 2" RMAX.
- RMAX FOAM PERIMETER TO BE ANCHORED WITH 2" PLASTIC GRIP CBW2 WASHER WITH #10X4" GRIP DECK SCREW WHEN USING 3" RMAX OR #10X3" GRIP DECK SCREW WHEN USING 2" RMAX.

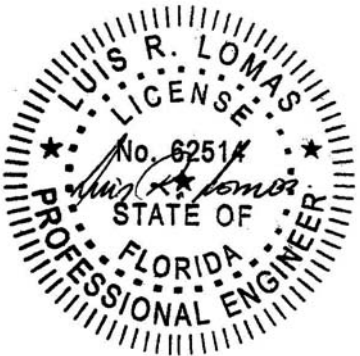


RMAX PANEL
INSTALLATION

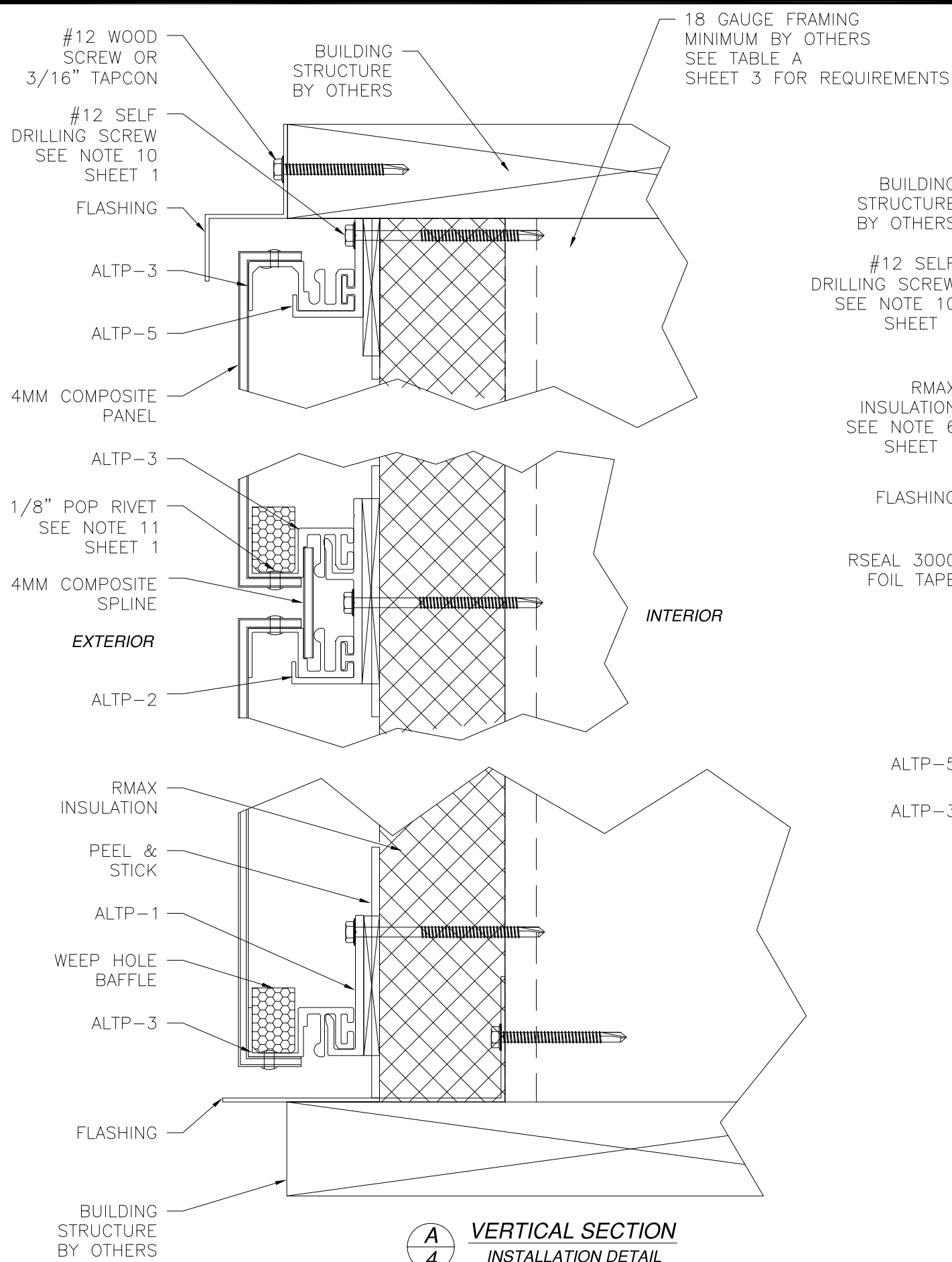
SEE NOTE 3
THIS SHEET

SIGNED: 03/31/2020

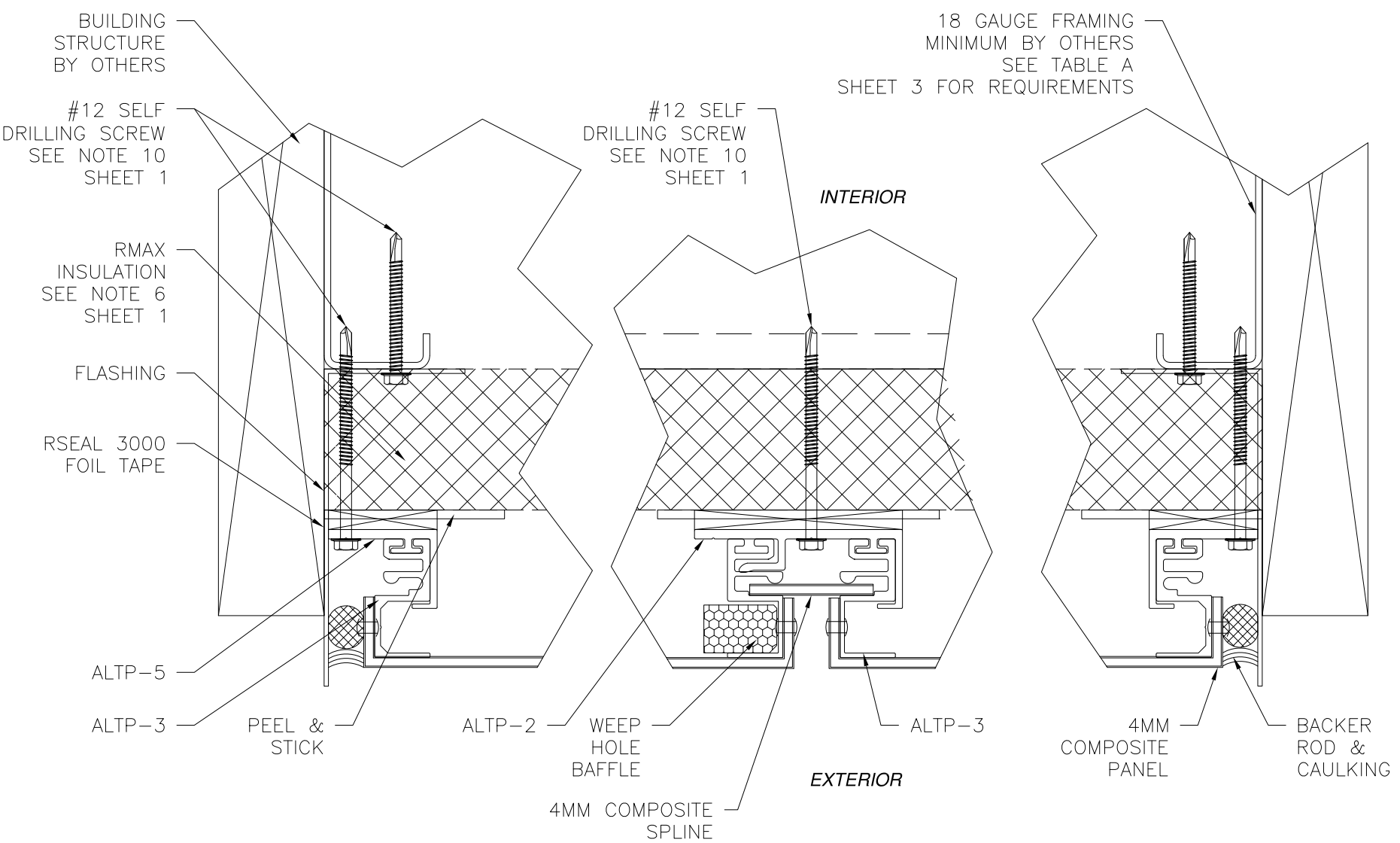
ALTECH PANEL SYSTEM LLC 1 JOHNSON STREET, SUITE 118 CARTERSVILLE, GA 30120		
R-TRAC HVHZ BY ALTECH/RMAX/ALPOLIC MCM WALL ELEVATION		
DRAWN: J.L.	DWG NO. 08-01998	REV C
SCALE NTS	DATE 05/10/13	SHEET 3 OF 6
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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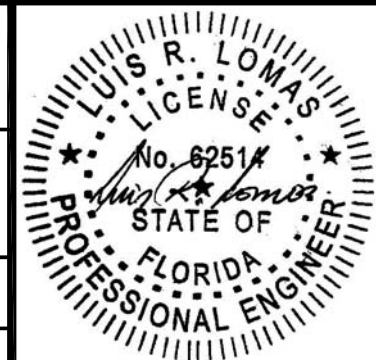
A
4
VERTICAL SECTION
INSTALLATION DETAIL



B
4
HORIZONTAL SECTION
INSTALLATION DETAIL

ALTECH PANEL SYSTEM LLC 1 JOHNSON STREET, SUITE 118 CARTERSVILLE, GA 30120		
R-TRAC HVHZ BY ALTECH/RMAX/ALPOLIC MCM WALL CROSS SECTIONS		
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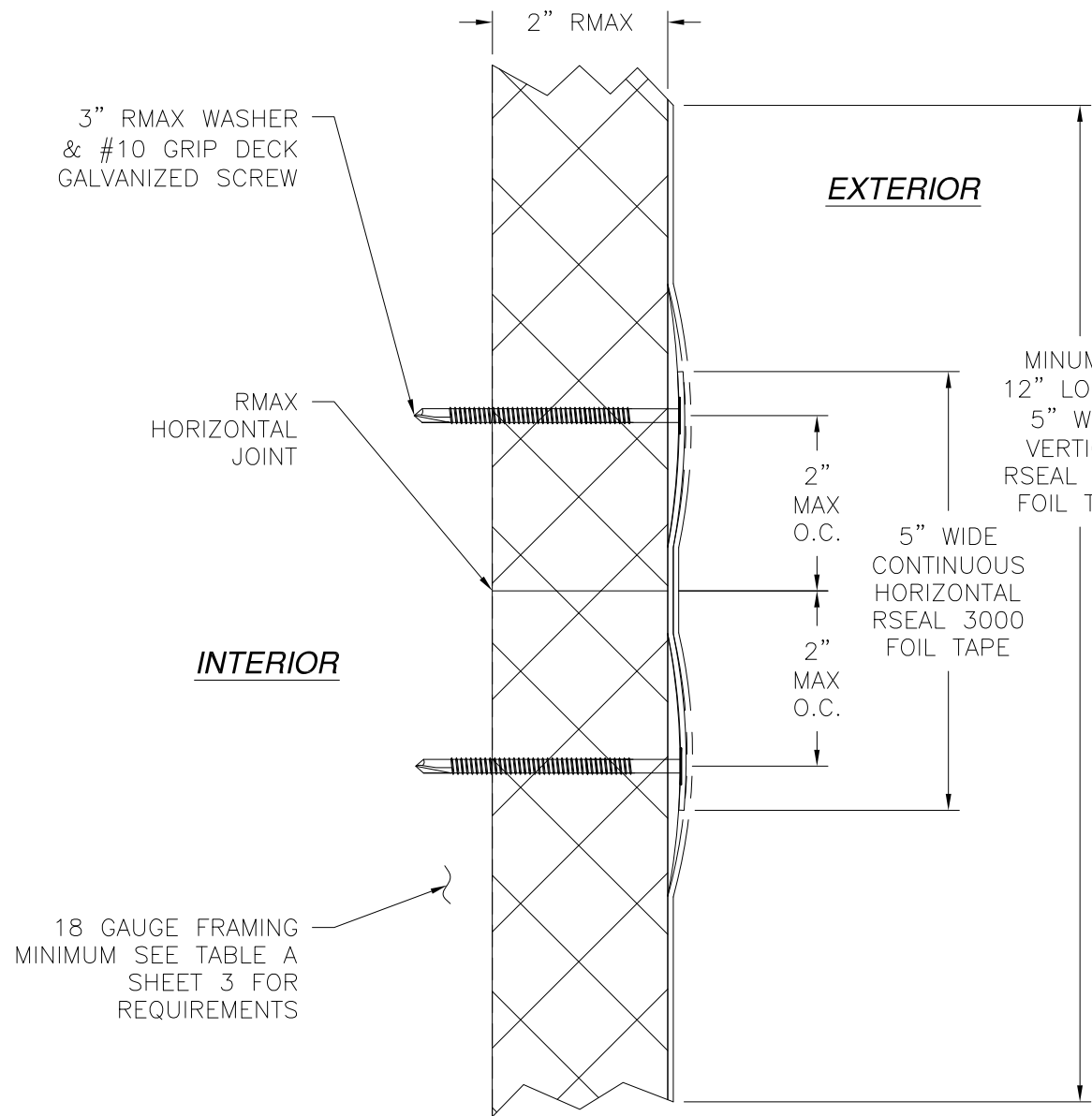
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D
5 **RMAX INSTALLATION DETAIL**
INSTALLATION DETAIL

2" PLASTI GRIP
CBW2 WASHER W/
#10 GRIP DECK
(12" MAX. O.C.
AROUND PERIMETER)

EXTERIOR

FLASHING

BUILDING
STRUCTURE
BY OTHERS

5" RSEAL 3000
FOIL TAPE

3" RMAX WASHER
OR 2" CBW2 WASHER.
SEE TABLE A AND NOTES ON SHEET 3.

#10 GRIP DECK

RMAX
INSULATION

18 GAUGE FRAMING
MINIMUM SEE TABLE
A SHEET 3 FOR
REQUIREMENTS

INTERIOR

C
5 **RMAX**
INSTALLATION DETAIL

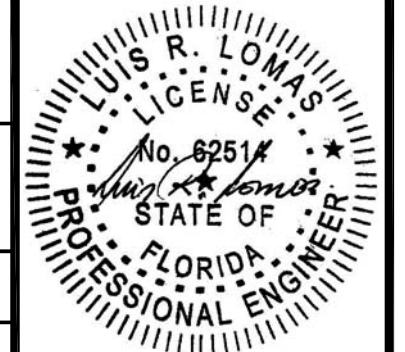
ALTECH PANEL SYSTEM LLC
1 JOHNSON STREET, SUITE 118
CARTERSVILLE, GA 30120

R-TRAC HVHZ
BY ALTECH/RMAX/ALPOLIC MCM WALL
INSTALLATION DETAILS

DRAWN: J.L.	DWG NO. 08-01998	REV C
SCALE NTS	DATE 05/10/13	SHEET 5 OF 6

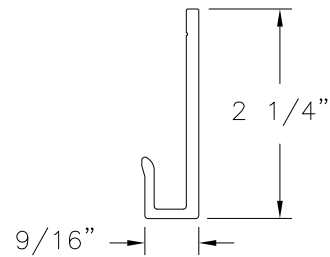
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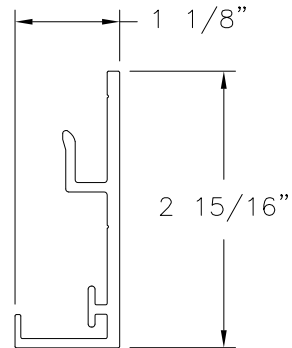


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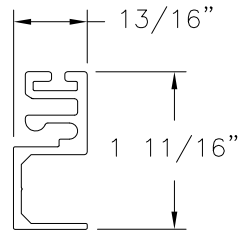
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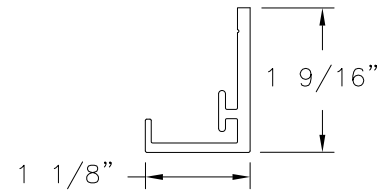
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ALUMINUM 6063-T5 .134 THICK



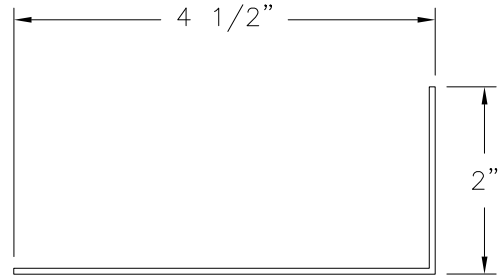
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ALUMINUM 6063-T5 .134 THICK



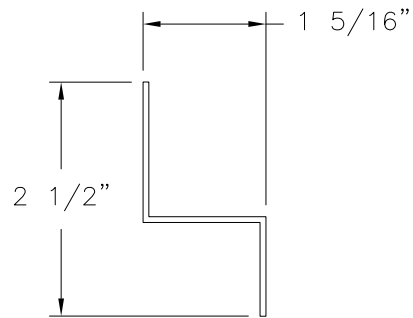
ALTP-3
ALUMINUM 6063-T5 .083 THICK



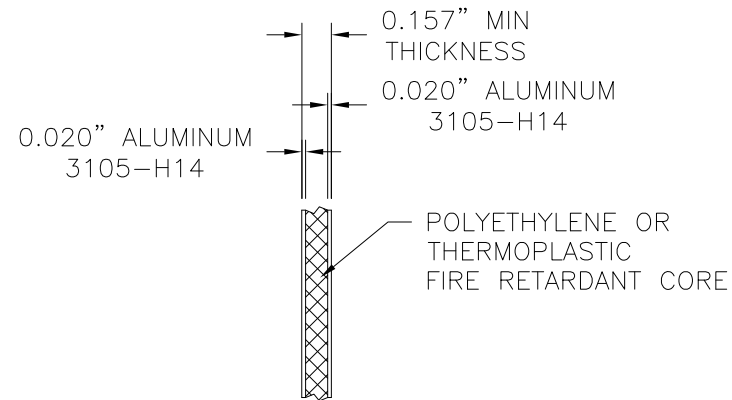
ALTP-5
ALUMINUM 6063-T5 .134 THICK



FLASHING
VINYL PVC .063 THICK



FLASHING
VINYL PVC .063 THICK



PANEL DETAIL

SIGNED: 03/31/2020

ALTECH PANEL SYSTEM LLC 1 JOHNSON STREET, SUITE 118 CARTERSVILLE, GA 30120		
R-TRAC HVHZ BY ALTECH/RMAX/ALPOLIC MCM WALL COMPONENTS		
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