

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISED PER NEW CODE	03/25/2024	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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NOVATECH WALL SYSTEMS

390 OLD SPARTANBURG HIGHWAY

WELLFORD, SC 29385

R–TRAC HVHZ BY

NOVATECH WALL SYSTEMS/RMAX/ALPOLIC

NOTES

DRAWN:

DWG NO.

REV

J.L.

08–01998

D

SCALE

DATE

SHEET

NTS

05/10/13

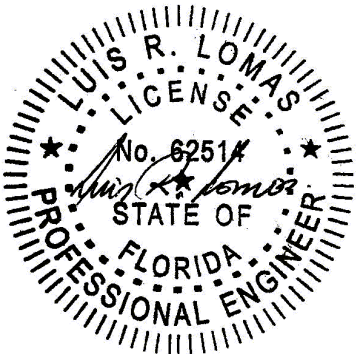
1 OF 6

L. ROBERTO LOMAS P.E.

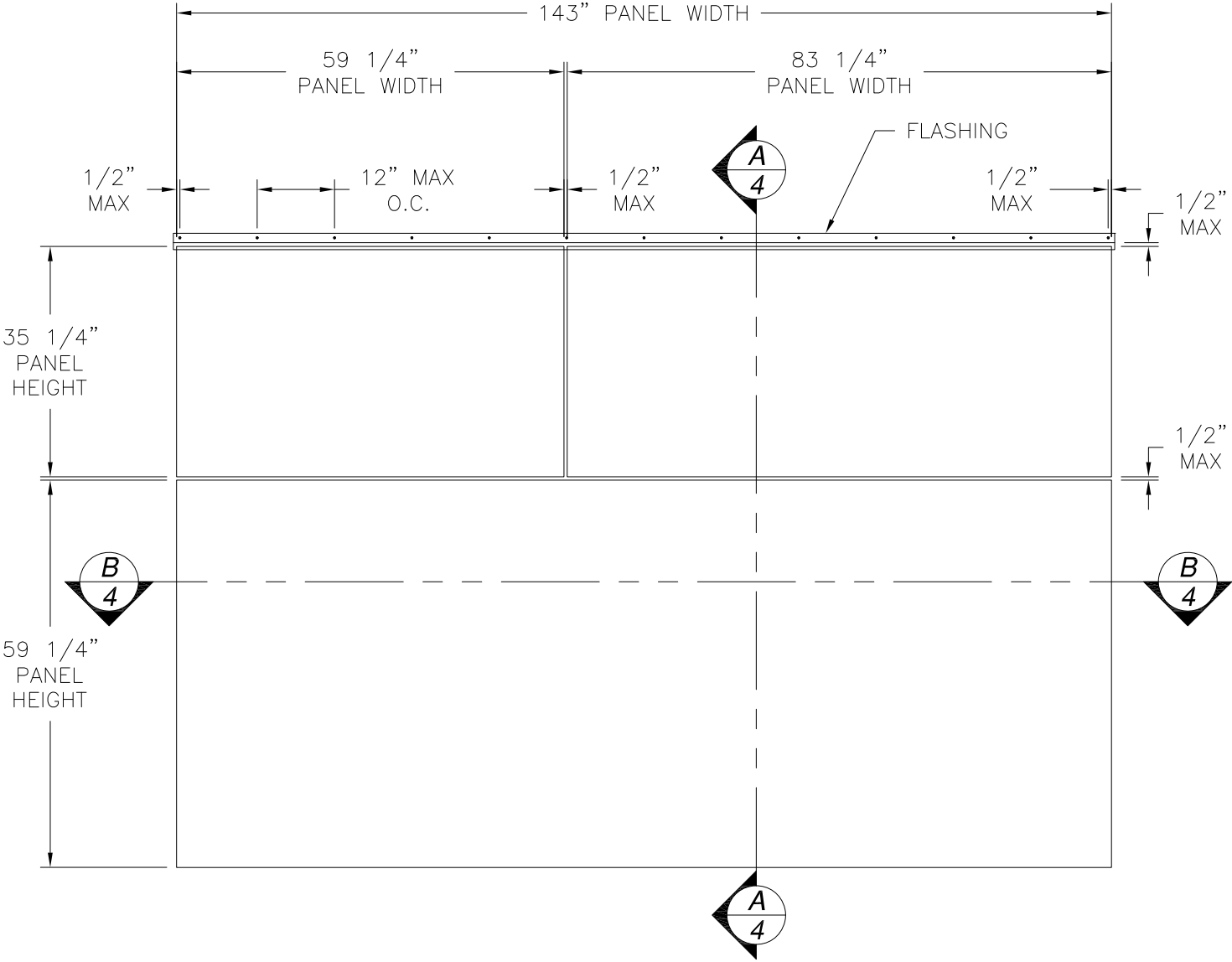
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SIGNED: 04/19/2024



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R-TRAC HVHZ BY NOVATECH WALL SYSTEMS
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
± 120.0 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

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NOVATECH WALL SYSTEMS
390 OLD SPARTANBURG HIGHWAY
WELLFORD, SC 29385

R-TRAC HVHZ BY
NOVATECH WALL SYSTEMS/RMAX/ALPOLIC
ELEVATION

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SHEET 2 OF 6

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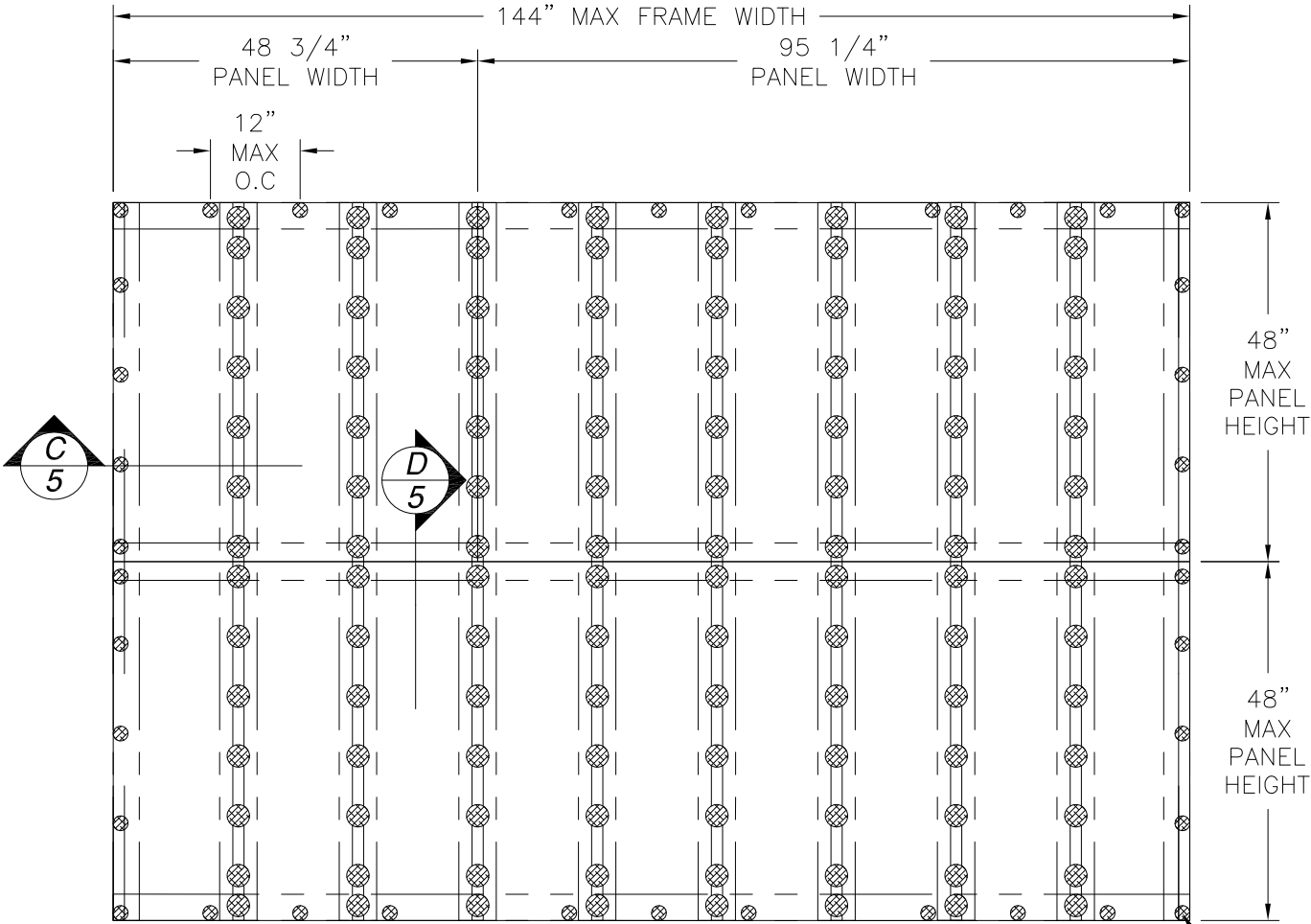
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TABLE A

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.

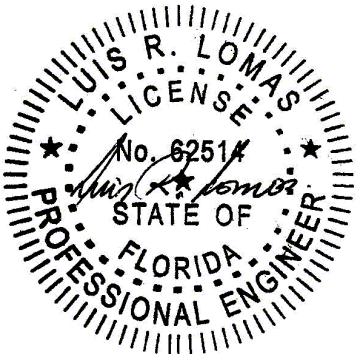


RMAX PANEL
INSTALLATION

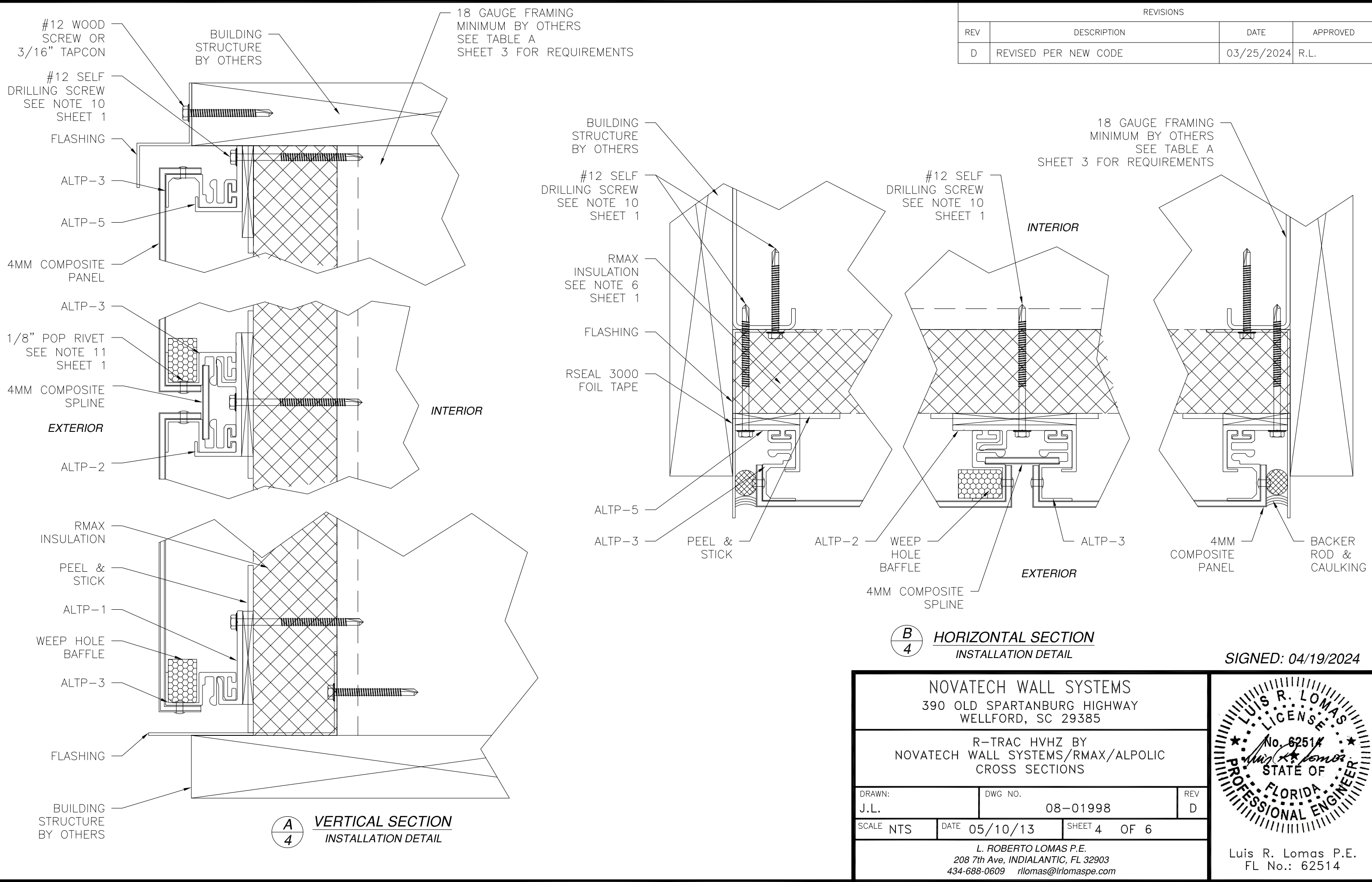
SEE NOTE 3
THIS SHEET

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NOVATECH WALL SYSTEMS 390 OLD SPARTANBURG HIGHWAY WELLFORD, SC 29385		
R-TRAC HVHZ BY NOVATECH WALL SYSTEMS/RMAX/ALPOLIC ELEVATION		
DRAWN: J.L.	DWG NO. 08-01998	REV D
SCALE NTS	DATE 05/10/13	SHEET 3 OF 6
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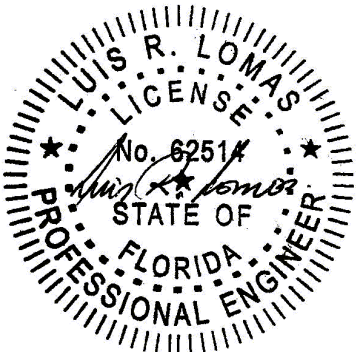


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B
4
HORIZONTAL SECTION
INSTALLATION DETAIL

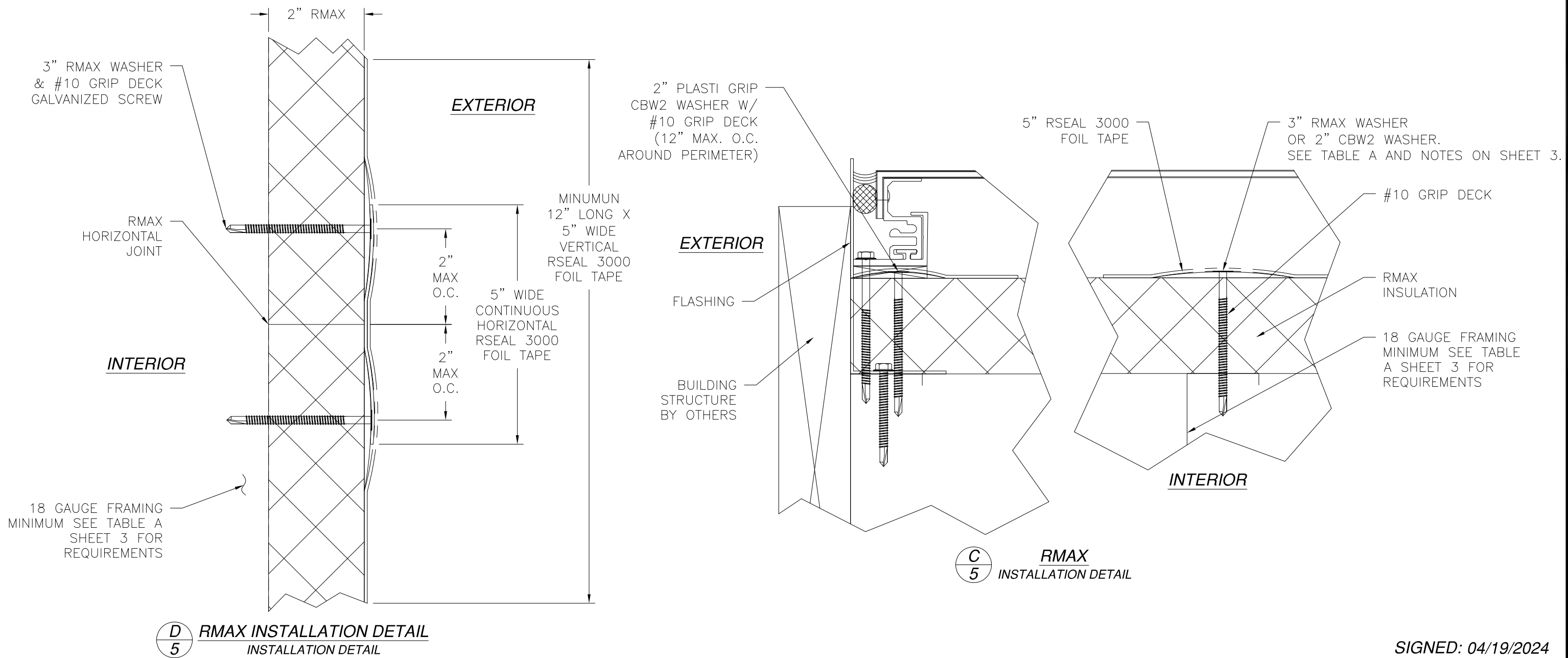
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NOVATECH WALL SYSTEMS 390 OLD SPARTANBURG HIGHWAY WELLFORD, SC 29385		
R-TRAC HVHZ BY NOVATECH WALL SYSTEMS/RMAX/ALPOLIC CROSS SECTIONS		
DRAWN: J.L.	DWG NO. 08-01998	REV D
SCALE NTS	DATE 05/10/13	SHEET 4 OF 6
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NOVATECH WALL SYSTEMS
390 OLD SPARTANBURG HIGHWAY
WELLFORD, SC 29385

R-TRAC HVHZ BY
NOVATECH WALL SYSTEMS/RMAX/ALPOLIC
INSTALLATION DETAILS

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

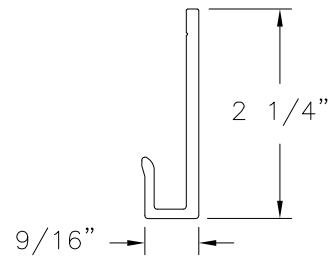
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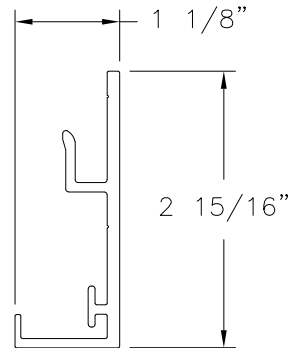
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STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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FL No.: 62514

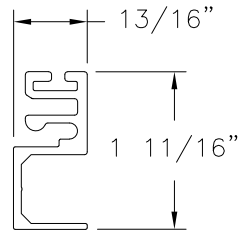
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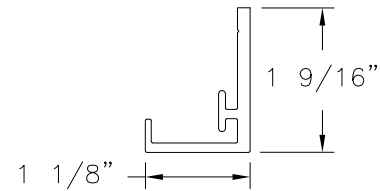
ALTP-1
ALUMINUM 6063-T5 .134 THICK



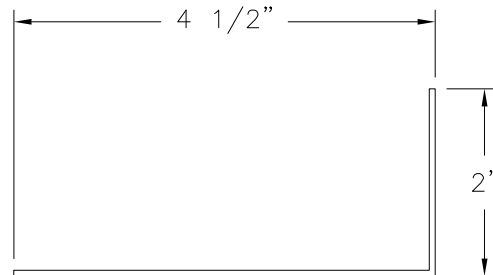
ALTP-2
ALUMINUM 6063-T5 .134 THICK



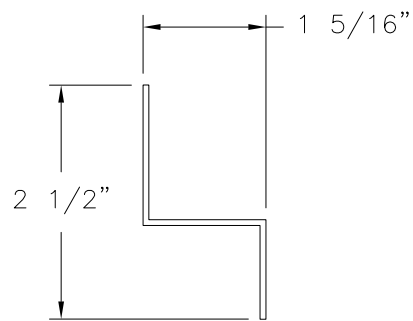
ALTP-3
ALUMINUM 6063-T5 .083 THICK



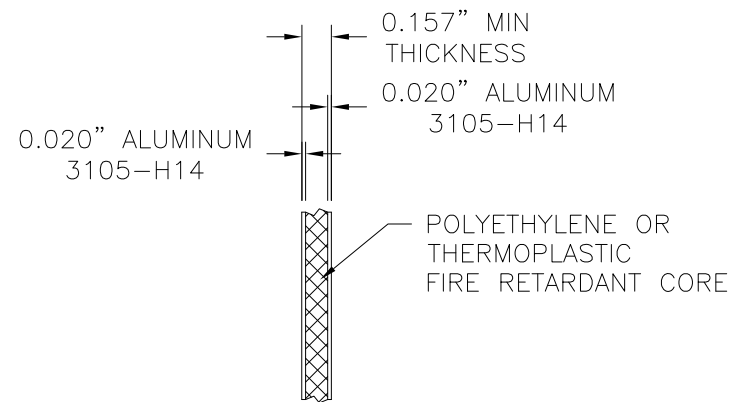
ALTP-5
ALUMINUM 6063-T5 .134 THICK



FLASHING
VINYL PVC .063 THICK



FLASHING
VINYL PVC .063 THICK



PANEL DETAIL

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NOVATECH WALL SYSTEMS 390 OLD SPARTANBURG HIGHWAY WELLFORD, SC 29385		
R-TRAC HVHZ BY NOVATECH WALL SYSTEMS/RMAX/ALPOLIC COMPONENTS		
DRAWN: J.L.	DWG NO. 08-01998	REV D
SCALE NTS	DATE 05/10/13	SHEET 6 OF 6
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