

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

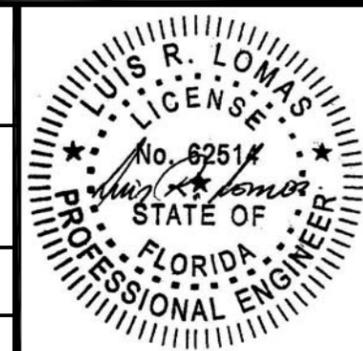
NOTES:

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.
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 STEEL16GA FY: 50KSI, REFER TO TABLE A SHEET 3..

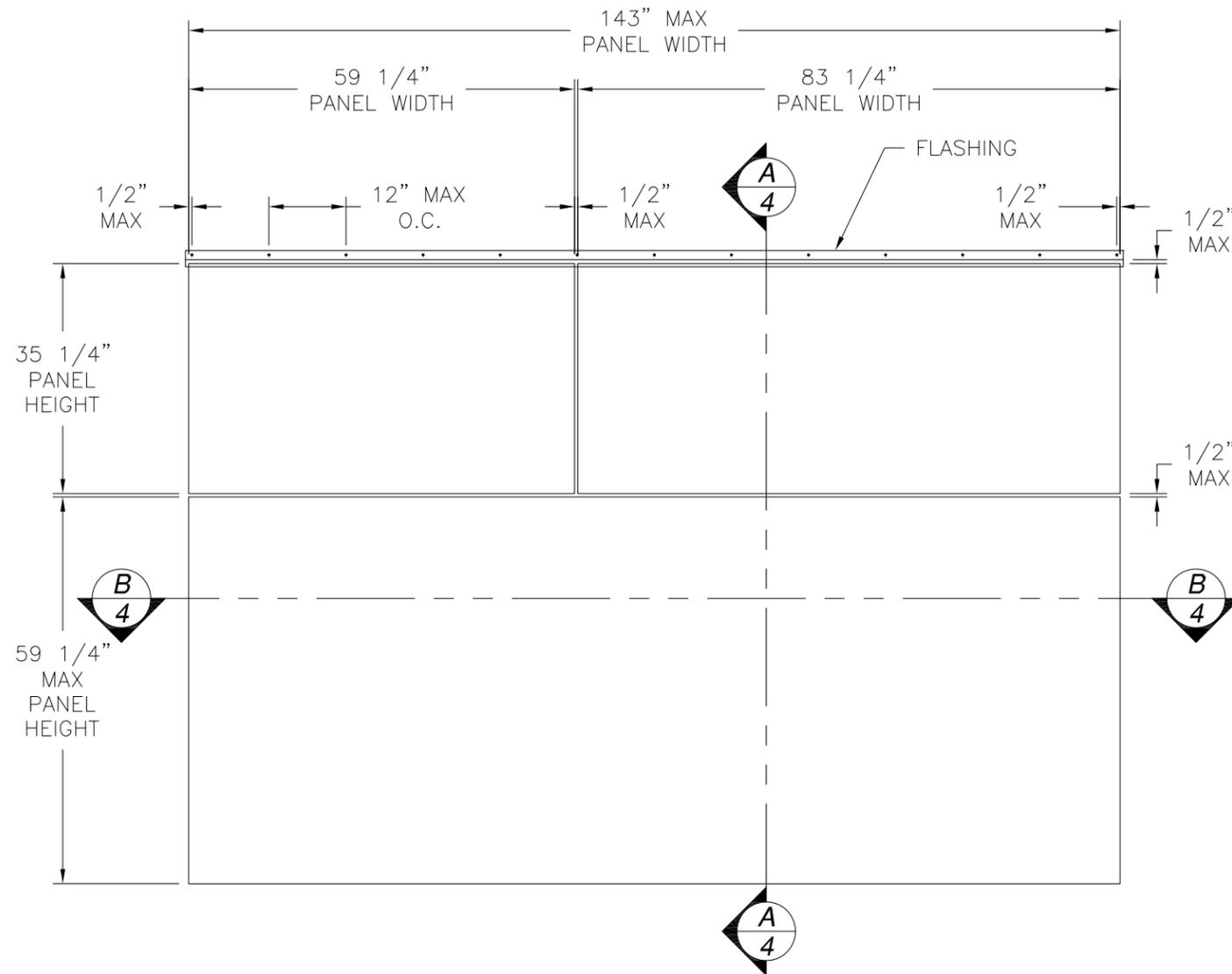
SIGNED: 05/10/2013

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2 - 3	ELEVATIONS
4	CROSS SECTIONS
5	INSTALLATION DETAILS
6	COMPONENTS

ALTECH PANEL SYSTEMS LLC 1 JOHNSON STREET, SUITE 118 CARTERSVILLE, GA 30120		
ACCU-TRAC DS/RMAX/ALPOLIC MCM WALL PANEL SYSTEM NOTES		
DRAWN: J.L.	DWG NO. 08-01998	REV -
SCALE NTS	DATE 05/10/13	SHEET 1 OF 6



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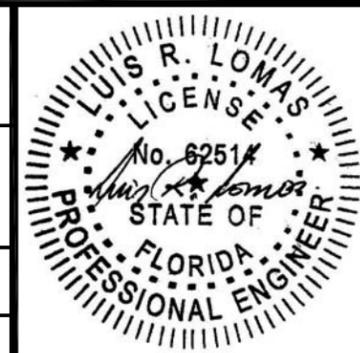


ACCU-TRAC DS/RMAX/ALPOLIC MCM WALL PANEL SYSTEM
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±120.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ
REFER TO CHART 1 FOR RMAX ANCHORING RATINGS

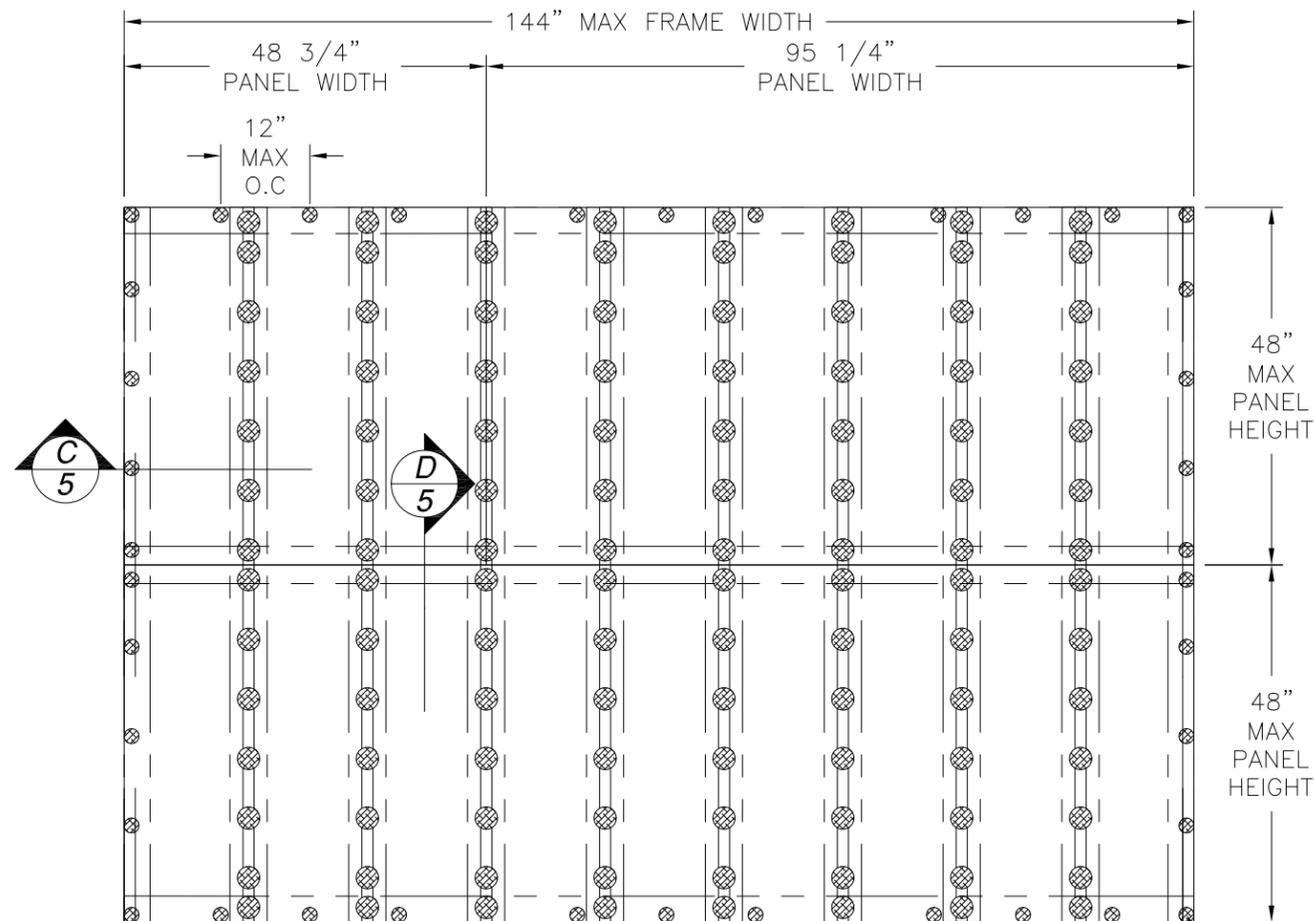
ALTECH PANEL SYSTEMS LLC 1 JOHNSON STREET, SUITE 118 CARTERSVILLE, GA 30120		
ACCU-TRAC DS/RMAX/ALPOLIC MCM WALL PANEL SYSTEM ELEVATION		
DRAWN: J.L.	DWG NO. 08-01998	REV -
SCALE NTS	DATE 05/10/13	SHEET 2 OF 6



REVISIONS			
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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	16	12.00	N/A
60.0			
65.0			
70.0			
75.0			
80.0			
85.0	16	12.00	N/A
90.0			
95.0			
100.0			
105.0			
110.0	16	8.00	N/A
115.0			
120.0			



RMAX PANEL INSTALLATION

SEE NOTE 3 THIS SHEET

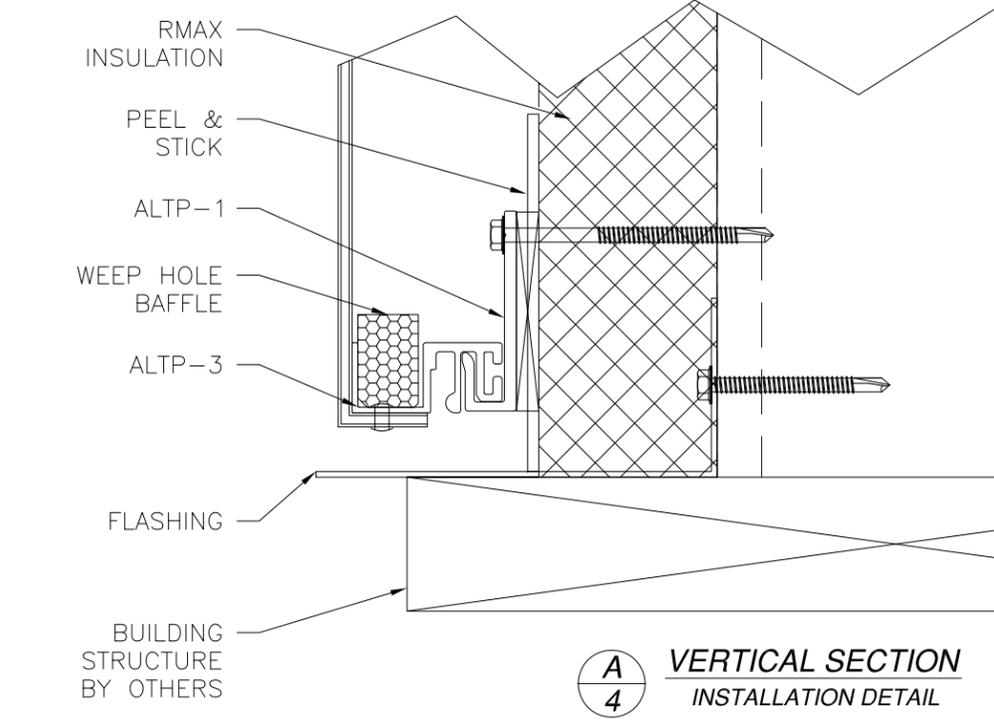
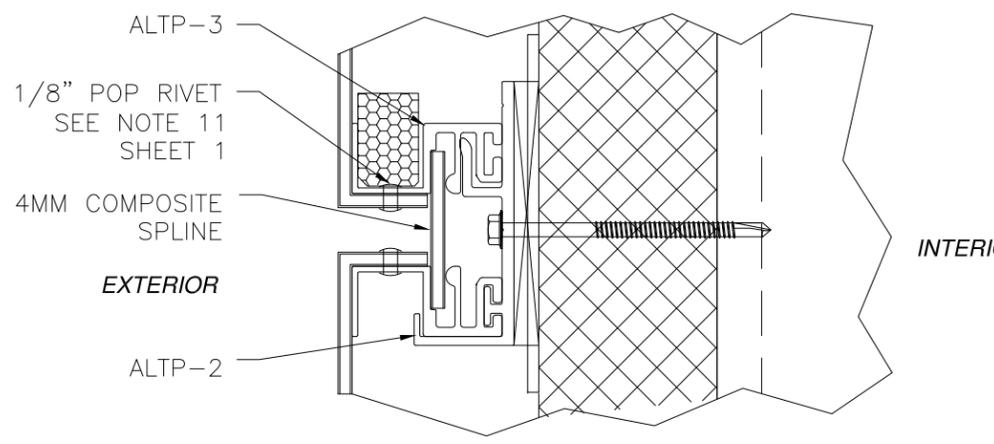
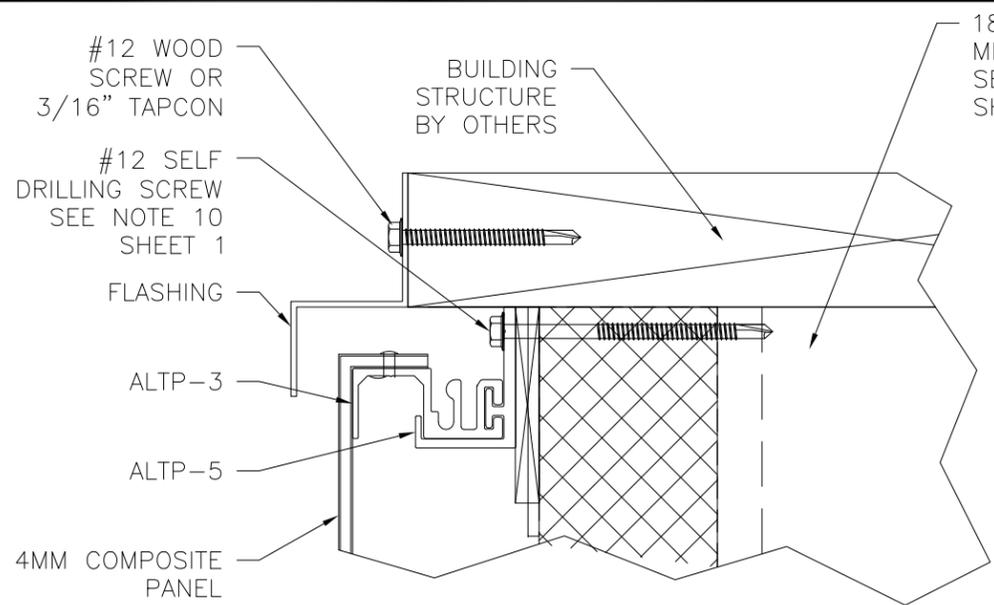
NOTES:

- 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.

ALTECH PANEL SYSTEMS LLC 1 JOHNSON STREET, SUITE 118 CARTERSVILLE, GA 30120		
ACCU-TRAC DS/RMAX/ALPOLIC MCM WALL PANEL SYSTEM ELEVATION		
DRAWN: J.L.	DWG NO. 08-01998	REV -
SCALE NTS	DATE 05/10/13	SHEET 3 OF 6

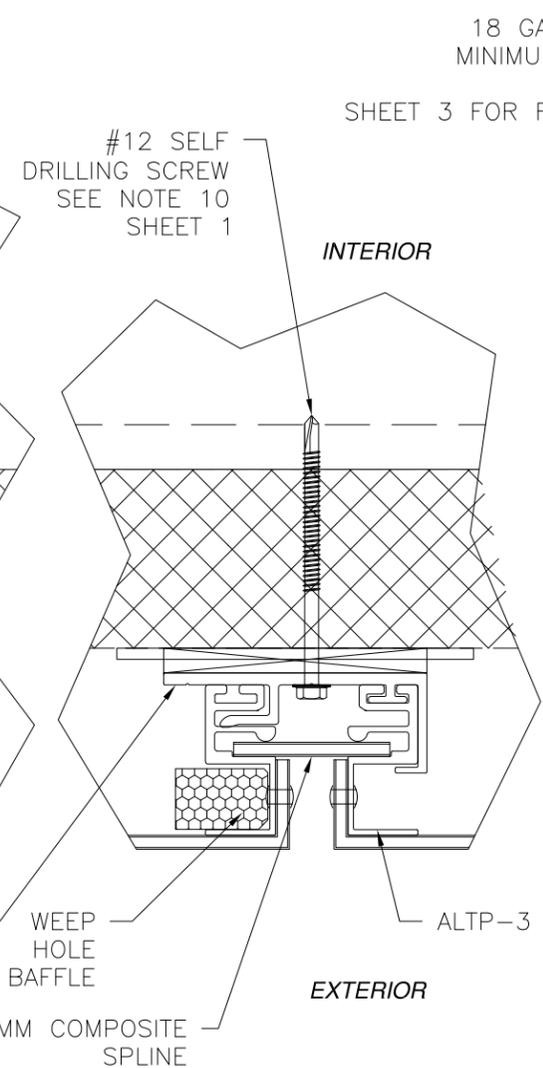
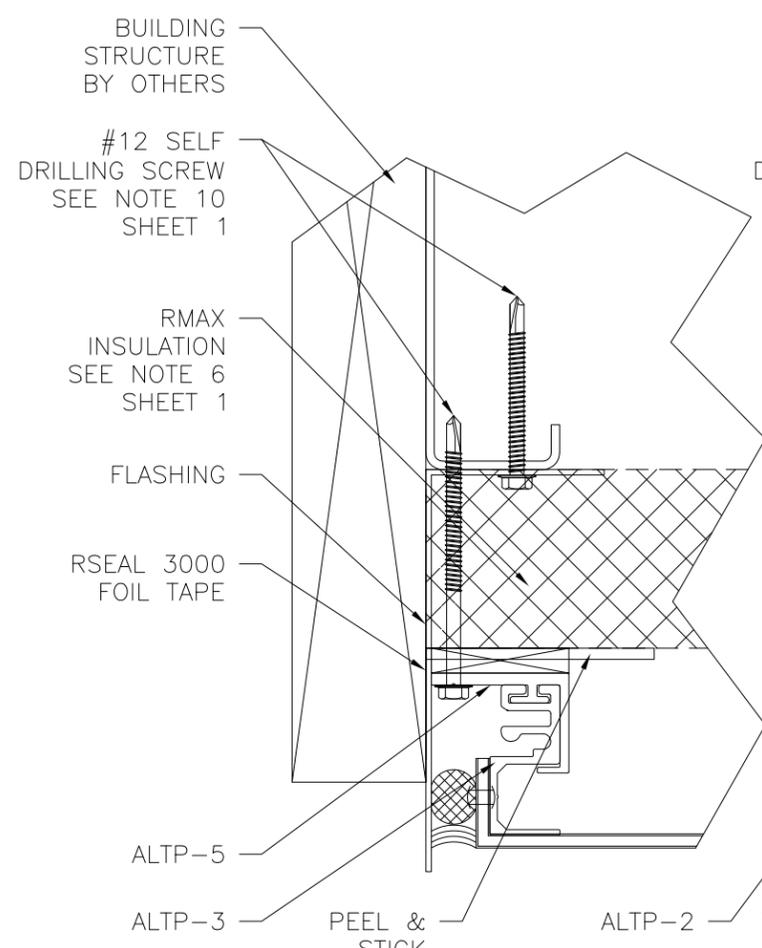


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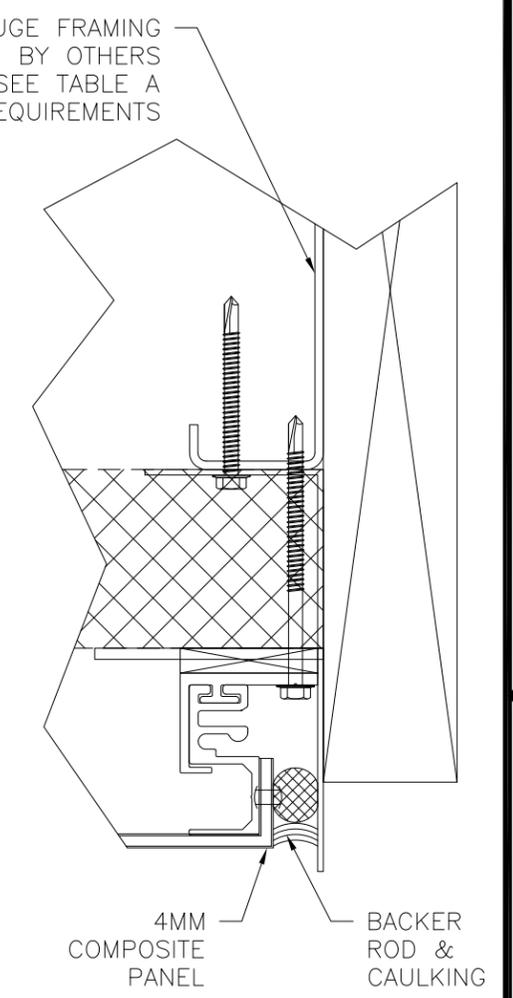
A
4
VERTICAL SECTION
INSTALLATION DETAIL

18 GAUGE FRAMING
MINIMUM BY OTHERS
SEE TABLE A
SHEET 3 FOR REQUIREMENTS

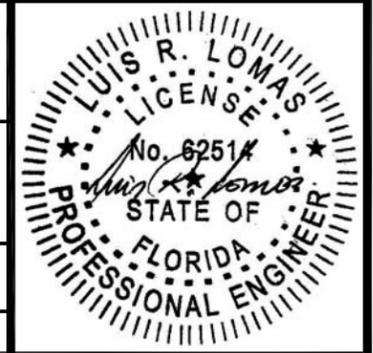


B
4
HORIZONTAL SECTION
INSTALLATION DETAIL

18 GAUGE FRAMING
MINIMUM BY OTHERS
SEE TABLE A
SHEET 3 FOR REQUIREMENTS



ALTECH PANEL SYSTEMS LLC 1 JOHNSON STREET, SUITE 118 CARTERSVILLE, GA 30120		
ACCU-TRAC DS/RMAX/ALPOLIC MCM WALL PANEL SYSTEM CROSS SECTIONS		
DRAWN: J.L.	DWG NO. 08-01998	REV -
SCALE NTS	DATE 05/10/13	SHEET 4 OF 6



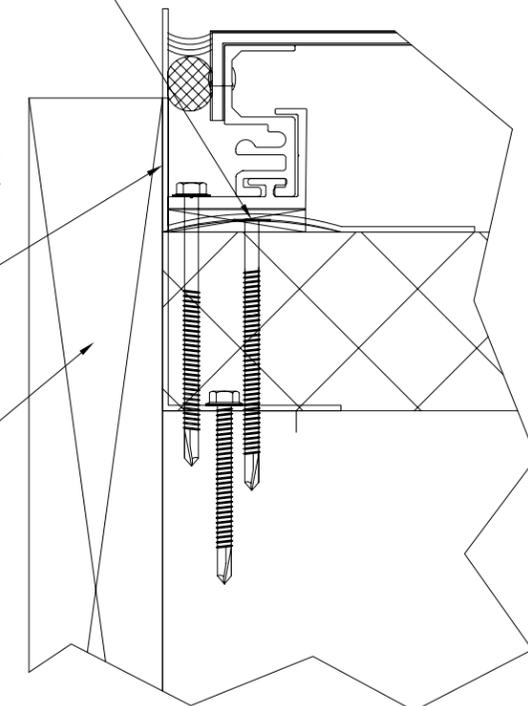
REVISIONS			
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2" PLASTI GRIP
CBW2 WASHER W/
#10 GRIP DECK
(12" MAX. O.C.
AROUND PERIMETER)

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

3" RMAX WASHER
& #10 GRIP DECK
GALVANIZED SCREW

RMAX
HORIZONTAL
JOINT

INTERIOR

18 GAUGE FRAMING
MINIMUM SEE TABLE A
SHEET 3 FOR
REQUIREMENTS

2" RMAX

EXTERIOR

MINIMUM
12" LONG X
5" WIDE
VERTICAL
RSEAL 3000
FOIL TAPE

2"
MAX
O.C.

5" WIDE
CONTINUOUS
HORIZONTAL
RSEAL 3000
FOIL TAPE

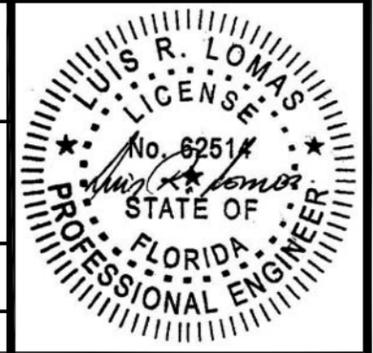
2"
MAX
O.C.

D
5 **RMAX INSTALLATION DETAIL**
INSTALLATION DETAIL

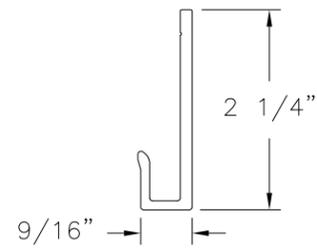
ALTECH PANEL SYSTEMS LLC
1 JOHNSON STREET, SUITE 118
CARTERSVILLE, GA 30120

ACCU-TRAC DS/RMAX/ALPOLIC
MCM WALL PANEL SYSTEM
INSTALLATION DETAILS

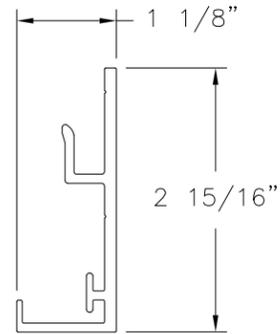
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SCALE NTS	DATE 05/10/13	SHEET 5 OF 6



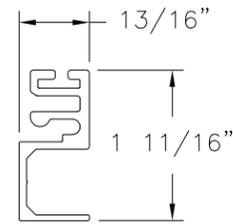
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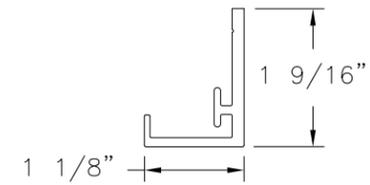
ALTP-1
ALUMINUM 6063-T5 .134 THICK



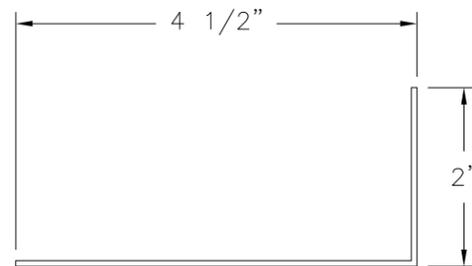
ALTP-2
ALUMINUM 6063-T5 .134 THICK



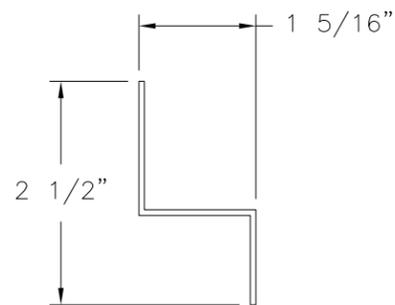
ALTP-3
ALUMINUM 6063-T5 .083 THICK



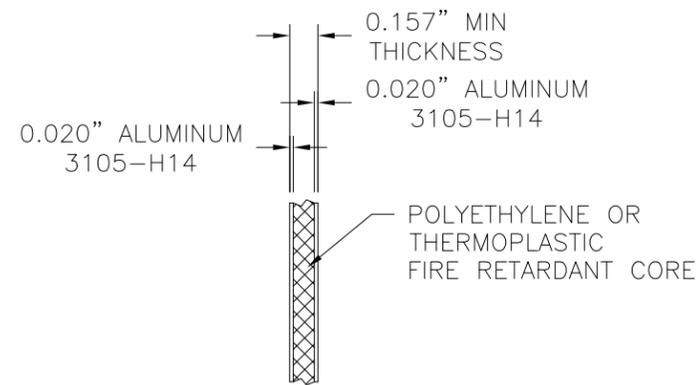
ALTP-5
ALUMINUM 6063-T5 .134 THICK



FLASHING
VINYL PVC .063 THICK



FLASHING
VINYL PVC .063 THICK

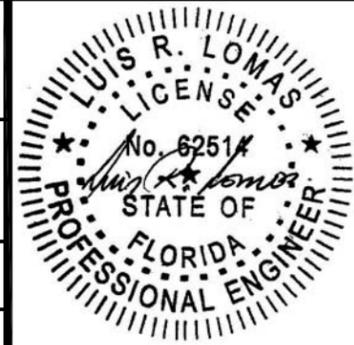


PANEL DETAIL

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

ACCU-TRAC DS/RMAX/ALPOLIC
MCM WALL PANEL SYSTEM
COMPONENTS

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



Manufacturer: Altech Panel Systems, LLC
1 Johnson Street, Suite 118
Cartersville, GA 30120

Product Line: Accu-Trac DS/RMAX/ALPOLIC MCM Wall

Compliance: The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Community Affairs for Statewide Acceptance per Rule 9N-3.005 method 1(d). The product listed herein complies with requirements of the Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-01998, titled Accu-Trac DS/RMAX/ALPOLIC MCM Wall, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: C5743.01-550-18 signed and sealed by Vinu J. Abraham, P.E.
Architectural Testing Inc. Lithia Springs, GA
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202 -94 Uniform Static Air Pressure, ±120.0psf design pressure, 18.0psf water penetration.
TAS 203-94 Cyclic Pressure loading ±120.0psf design pressure
3. Report No.: C1134.01-550-36 signed by Ryan K. Hedgepeth.
Architectural Testing Inc. Lithia Springs, GA
ASTM E330-02 Test Uniform load: +200.0/-60.0psf
4. Report No.: C2063.01-550-36 signed by Ryan K. Hedgepeth.
Architectural Testing Inc. Lithia Springs, GA
ASTM E330-02 Test Uniform load: -120.0psf
5. Report No.: C3034.01-550-44 signed by Ryan K. Hedgepeth.
Architectural Testing Inc. Lithia Springs, GA
ASTM E330-02 Test Uniform load: -130.0psf
6. Report No.: C3691.01-550-44 signed by Ryan K. Hedgepeth.
Architectural Testing Inc. Lithia Springs, GA
ASTM E330-02 Test Uniform load: -190.0psf
7. Report No.: C3691.02-550-44 signed by Ryan K. Hedgepeth.
Architectural Testing Inc. Lithia Springs, GA
ASTM E330-02 Test Uniform load: -130.0psf
8. Report No.: C3691.03-550-44 signed by Ryan K. Hedgepeth.
Architectural Testing Inc. Lithia Springs, GA
ASTM E330-02 Test Uniform load: -190.0psf
9. Polyethylene and Thermoplastic core testing:
Report No.: 01-8361-038 signed by Alex B. Wenzel.
Southwest Research Institute, San Antonio TX
Report No.: 01-8361-320 signed by Alex B. Wenzel
Southwest Research Institute, San Antonio TX
Report No.: 01-43055.02 signed and sealed by Joseph A. Reed P.E.
Architectural Testing Laboratories, York, PA.

Results for Polyethylene Core.

Description	Tests	Results
Tensile Strength	ASTM E8	7452 PSI
Punching Shear Resistance (1" dia)	ASTM D732	4637 PSI
Punching Shear Max Load	ASTM D732	1920 PSI
Bond Integrity Vertical Pull	ASTM C297	1806 PSI
Drum Peel	ASTM D1781	33.6 IN – LB/IN
Flatwise Shear	ASTM C273	1225 PSI
Rate of Burning	ASTM D635	CCI
Flame Spread Index	ASTM E84	00
Smoke Developed Index	ASTM E84	00
Self Ignition Temperature	ASTM D1929	752°F
Flash Ignition Temperature	ASTM D1929	716°F

Results for Thermoplastic Fire Retardant Core.

Description	Tests	Results
Tensile Strength	ASTM E 8	5693PSI
Punching Shear Resistance (1" dia)	ASTM D732	4637 PSI
Punching Shear Max Load	ASTM D732	2259 PSI
Bond Integrity Vertical Pull	ASTM C297	427 PSI
Drum Peel	ASTM D1781	27.6 IN-LB/IN
Flatwise Shear	ASTM C273	949 PSI
Rate of Burning	ASTM D635	--
Flame Spread Index	ASTM E84	00
Smoke Developed Index	ASTM E84	10
Self Ignition Temperature	ASTM D1929	837°F
Flash Ignition Temperature	ASTM D1929	811°F

10. Anchor calculations and comparative analysis, report number 512711-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: Refer to installation instructions.
- Maximum Panel size: 59 1/4"x143"
- This product is rated to be used in the HVHZ.
- Qualified panel thickness: 4mm(minimum)
- Panel material to be manufactured by Mitsubishi Plastics composite with 3105-H14 aluminum face .020" minimum thickness with Polyethylene or fire retardant core.
- Panels maybe obtained under the following brand names and manufacturers:
 - Alpolic by Mitsubishi Plastics.

Installation: Units must be installed in accordance with approval document, 08-01998.

Certification of Independence: Please note that I don't have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Also, I don't have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

