

AMERICLAD MIAMI-DADE TEST REPORT

SCOPE OF WORK

TAS 201, TAS 202, AND TAS 203 TESTING ON AC-4000 HURRICANE PANELS

REPORT NUMBER

Q2435.01-201-18 R1

TEST DATES

08/04/23 - 09/08/23

ISSUE DATE

10/27/23

REVISION DATE

11/15/23

RECORD RETENTION END DATE

09/08/33

MIAMI-DADE COUNTY NOTIFICATION NO.

ATIMN 23014

LABORATORY CERTIFICATION NO.

22-0428.07

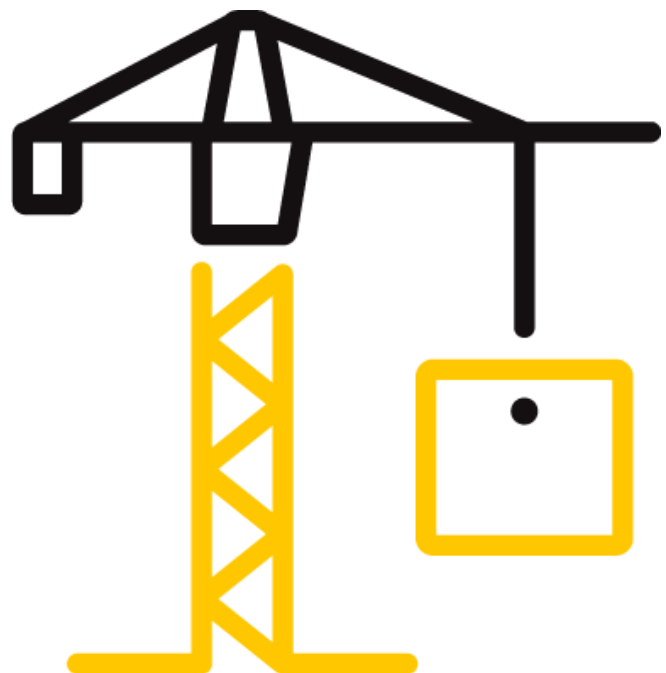
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DOCUMENT CONTROL NUMBER

RT-R-AMER-Test-2816 (07/12/22)

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TEST REPORT FOR AMERICLAD

Report No.: Q2435.01-201-18 R1

Revision Date: 11/15/23

REPORT ISSUED TO

AMERICLAD

21925 Industrial Blvd.

Rogers, MN 55374

SECTION 1

SCOPE

Architectural Testing, Inc. (an Intertek company) dba Intertek Building & Construction (B&C) was contracted by Americlad to perform TAS 201, TAS 202, and TAS 203 testing in accordance with Florida Building Code for High Velocity Hurricane Zone and Miami-Dade County requirements on their AC-4000 Hurricane Panel. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at the Intertek B&C test facility in Fridley, MN. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

SECTION 2

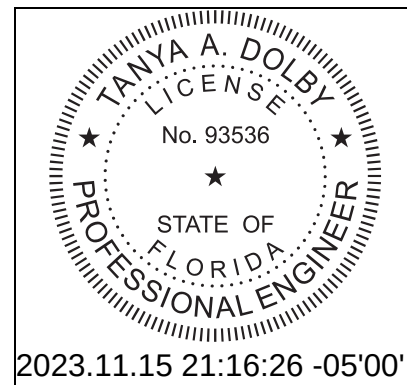
SUMMARY OF TEST RESULTS

The specimens tested met the performance requirements set forth in the protocols.

Product Type: Laminated Wall Panel, 1" Thickness

Series/Model: AC-4000

SPEC.	TEST PROTOCOL	DESIGN PRESSURE
1	TAS 202	+90.0 / -90.0 psf
1	TAS 201/203 (Large Missile)	+90.0 / -90.0 psf
2	TAS 201/203 (Large Missile)	+90.0 / -90.0 psf
3	TAS 201/203 (Large Missile)	+90.0 / -90.0 psf
4	TAS 201/203 (Large Missile)	+90.0 / -90.0 psf



For INTERTEK B&C:

COMPLETED BY:	Karl Lips	REVIEWED BY:	Tanya Dolby, P.E.
TITLE:	Senior Technician – Building & Construction	TITLE:	Manager – Engineering Services
SIGNATURE:		SIGNATURE:	
DATE:	10/27/23	DATE:	10/27/23

KL: es

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SECTION 3

TEST METHODS

The specimens were evaluated in accordance with the following:

TAS 201-94, *Impact Test Procedures*

TAS 202-94, *Criteria for Testing Impact & Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure*

TAS 203-94, *Criteria for Testing Products Subject to Cyclic Wind Pressure Loading*

SECTION 4

MATERIAL SOURCE/INSTALLATION

Test specimens were provided by the client. Representative samples of the test specimens will be retained by Intertek B&C for a minimum of ten years from the test completion date.

The frame was installed into a Spruce-Pine-Fir wood test buck. The specimens were installed into the curtain wall frame from the exterior and secured by gaskets and an applied pressure plate. Installation of the tested product was performed by the client.

LOCATION	ANCHOR DESCRIPTION	ANCHOR LOCATION
Frame jambs	#10 x 3" screws	Blind screwed through buck into frame jambs spaced 6" from corners and 12" on center.

SECTION 5

EQUIPMENT

Cannon: Constructed from steel piping utilizing compressed air to propel the missile

Missile: 2x4 Southern Pine

Timing Device: Electronic beam type

Cycling Mechanism: Computer controlled centrifugal blower with electronic pressure measuring device

Deflection Measuring Device: Linear transducers

SECTION 6

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Tony Gavin	Intertek B&C
Karl Lips	Intertek B&C
Tanya Dolby	Intertek B&C

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SECTION 7

TEST SPECIMEN DESCRIPTION

Product Type: Laminated Wall Panel, 1" Thickness

Series/Model: AC-4000

Product Sizes:

Specimens #1-#3:

OVERALL AREA:	WIDTH		HEIGHT	
4.8 m ² (52.0 ft ²)	millimeters	inches	millimeters	inches
Overall Size	3733	147	1295	51
Panel Size	3632	143	1193	47

Specimens #4:

OVERALL AREA:	WIDTH		HEIGHT	
0.5 m ² (5.8 ft ²)	millimeters	inches	millimeters	inches
Overall Size	736	29	736	29
Panel Size	635	25	635	25

Frame Construction:

FRAME MEMBER	MATERIAL	DESCRIPTION
All	Aluminum	Extruded curtain wall frame with pressure plates and exterior covers.
	JOINERY TYPE	DETAIL
All Corners	Butted	Corners fastened with an aluminum key and screws. No sealant was utilized.

Panel Construction:

PANEL MEMBER	DRAWING	MATERIAL	DESCRIPTION
Interior/exterior skins	Page 1	aluminum	0.040" thick with a painted surface
Stabilizer sheet, int/ext	Page 1	Hard board	0.130" thick tempered hardboard
Steel backer skin	Page 1	Galvanized steel	22 gauge
Core	Page 1	Foam	0.625" thick, 2.0 pound, expanded polystyrene



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Reinforcement: *No reinforcement was utilized.*

Weatherstripping: *No weatherstripping was utilized.*

Glazing: *No glazing was utilized.*

Drainage: *No drainage was utilized.*

Hardware: *No hardware was utilized.*

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SECTION 8

TEST RESULTS

Protocol TAS 202-94, Static Air Pressure

Test Dates: 08/04/23 through 09/08/23

The temperature during testing was 21°C (70°F). The results are tabulated as follows:

Test Specimen #1: Preload and Design Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	ALLOWED	MEASURED	ALLOWED
+67.5 50% of Test Pressure	1, 2, 3	0.25	N/A	<0.01	N/A
+90.0 Design Pressure	1, 2, 3	0.31	N/A	0.02	N/A
-67.5 50% of Test Pressure	1, 2, 3	0.28	N/A	0.01	N/A
-90.0 Design Pressure	1, 2, 3	0.38	N/A	0.01	N/A

Test Overload Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	ALLOWED	MEASURED	ALLOWED
+135.0 Test Pressure	1, 2, 3	0.62	N/A	0.05	N/A
-135.0 Test Pressure	1, 2, 3	0.74	N/A	0.02	N/A

Note 1: Positive and negative uniform static load test loads were held for 30 seconds.

Note 2: Tape was used to seal against air leakage during structural testing. In our opinion, the tape did not influence the results of the test.

Note 3: See Sketch #1 for indicator locations. Deflection/permanent set reported is the overall deflection between three points (longest unsupported span) which accounts for support movement.

TEST REPORT FOR AMERICLAD

Report No.: Q2435.01-201-18 R1

Revision Date: 11/15/23

Protocol TAS 201-94, Large Missile Impact Procedures
Test Dates: 08/04/23 through 09/08/23

The temperature during testing was 21°C (70°F). The results are tabulated as follows:

Specimen #1

IMPACT #	MISSILE WEIGHT (lbs.)	MISSILE LENGTH (in.)	MISSILE VELOCITY (ft./sec.)
1	9.1	96	50.1
2	9.1	96	50.1

Specimen #2

IMPACT #	MISSILE WEIGHT (lbs.)	MISSILE LENGTH (in.)	MISSILE VELOCITY (ft./sec.)
1	9.1	96	49.9
2	9.1	96	49.9

Specimen #3

IMPACT #	MISSILE WEIGHT (lbs.)	MISSILE LENGTH (in.)	MISSILE VELOCITY (ft./sec.)
1	9.1	96	49.9
2	9.1	96	49.8

Specimen #4

IMPACT #	MISSILE WEIGHT (lbs.)	MISSILE LENGTH (in.)	MISSILE VELOCITY (ft./sec.)
1	9.1	96	50.0
2	9.1	96	49.9

Note 4: See Sketch #1 for impact locations.

TEST REPORT FOR AMERICLAD

Report No.: Q2435.01-201-18 R1

Revision Date: 11/15/23

Protocol TAS 203-94, Cyclic Wind Pressure Loading
Test Dates: 08/04/23 through 08/04/23

The temperature during testing was 21°C (70°F). The results are tabulated as follows:

Test Specimen #1: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	STAGE			
+90.0 / -90.0 psf	1	2	3	4
POSITIVE PRESSURE RANGE (psf)	18 – 45	0 – 54	45 – 72	27 – 90
AVERAGE CYCLE TIME (sec.)	1.92	2.31	2.48	2.66
NUMBER OF CYCLES	3500	300	600	100
	5	6	7	8
NEGATIVE PRESSURE RANGE (psf)	27 – 90	45 – 72	0 – 54	18 – 45
AVERAGE CYCLE TIME (sec.)	2.42	2.56	2.55	2.06
NUMBER OF CYCLES	50	1050	50	3350

Test Specimen #1: Positive Cyclic Load per TAS 203

INDICATOR LOCATION	MAXIMUM DEFLECTION (in.)	PERMANENT SET (in.)	PERCENT RECOVERY	
			MEASURED %	ALLOWED %
1, 2, 3	0.51	0.07	> 99	> 90

Test Specimen #1: Negative Cyclic Load per TAS 203

INDICATOR LOCATION	MAXIMUM DEFLECTION (in.)	PERMANENT SET (in.)	PERCENT RECOVERY	
			MEASURED %	ALLOWED %
1, 2, 3	0.52	<0.01	> 99	> 90

Note 5: See Sketch #1 for indicator locations. Deflection/permanent set reported is the overall deflection between three points (longest unsupported span) which accounts for support movement.

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Test Specimen #2: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	STAGE			
+90.0 / -90.0 psf	1	2	3	4
POSITIVE PRESSURE RANGE (psf)	18 – 45	0 – 54	45 – 72	27 – 90
AVERAGE CYCLE TIME (sec.)	1.83	2.29	2.44	2.70
NUMBER OF CYCLES	3500	300	600	100
	5	6	7	8
NEGATIVE PRESSURE RANGE (psf)	27 – 90	45 – 72	0 – 54	18 – 45
AVERAGE CYCLE TIME (sec.)	2.45	2.68	2.49	1.94
NUMBER OF CYCLES	50	1050	50	3350

Test Specimen #2: Positive Cyclic Load per TAS 203

INDICATOR LOCATION	MAXIMUM DEFLECTION (in.)	PERMANENT SET (in.)	PERCENT RECOVERY	
			MEASURED %	ALLOWED %
1, 2, 3	0.27	0.05	> 99	> 90

Test Specimen #2: Negative Cyclic Load per TAS 203

INDICATOR LOCATION	MAXIMUM DEFLECTION (in.)	PERMANENT SET (in.)	PERCENT RECOVERY	
			MEASURED %	ALLOWED %
1, 2, 3	0.22	0.02	> 99	> 90

Note 6: See Sketch #1 for indicator locations. Deflection/permanent set reported is the overall deflection between three points (longest unsupported span) which accounts for support movement.

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Test Specimen #3: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	STAGE			
+90.0 / -90.0 psf	1	2	3	4
POSITIVE PRESSURE RANGE (psf)	18 – 45	0 – 54	45 – 72	27 – 90
AVERAGE CYCLE TIME (sec.)	1.80	2.26	1.98	2.21
NUMBER OF CYCLES	3500	300	600	100
	5	6	7	8
NEGATIVE PRESSURE RANGE (psf)	27 – 90	45 – 72	0 – 54	18 – 45
AVERAGE CYCLE TIME (sec.)	2.09	1.91	2.02	2.21
NUMBER OF CYCLES	50	1050	50	3350

Test Specimen #3: Positive Cyclic Load per TAS 203

INDICATOR LOCATION	MAXIMUM DEFLECTION (in.)	PERMANENT SET (in.)	PERCENT RECOVERY	
			MEASURED %	ALLOWED %
1, 2, 3	<0.01	0.07	> 99	> 90

Test Specimen #3: Negative Cyclic Load per TAS 203

INDICATOR LOCATION	MAXIMUM DEFLECTION (in.)	PERMANENT SET (in.)	PERCENT RECOVERY	
			MEASURED %	ALLOWED %
1, 2, 3	0.02	0.07	> 99	> 90

Note 7: See Sketch #1 for indicator locations. Deflection/permanent set reported is the overall deflection between three points (longest unsupported span) which accounts for support movement.

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Test Specimen #4: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	STAGE			
+90.0 / -90.0 psf	1	2	3	4
POSITIVE PRESSURE RANGE (psf)	18 – 45	0 – 54	45 – 72	27 – 90
AVERAGE CYCLE TIME (sec.)	1.64	1.60	1.25	1.75
NUMBER OF CYCLES	3500	300	600	100
	5	6	7	8
NEGATIVE PRESSURE RANGE (psf)	27 – 90	45 – 72	0 – 54	18 – 45
AVERAGE CYCLE TIME (sec.)	1.66	1.31	1.37	1.32
NUMBER OF CYCLES	50	1050	50	3350

Test Specimen #4: Positive Cyclic Load per TAS 203

INDICATOR LOCATION	MAXIMUM DEFLECTION (in.)	PERMANENT SET (in.)	PERCENT RECOVERY	
			MEASURED %	ALLOWED %
1, 2, 3	0.03	<0.01	> 99	> 90

Test Specimen #4: Negative Cyclic Load per TAS 203

INDICATOR LOCATION	MAXIMUM DEFLECTION (in.)	PERMANENT SET (in.)	PERCENT RECOVERY	
			MEASURED %	ALLOWED %
1, 2, 3	0.02	<0.01	> 99	> 90

Note 8: See Sketch #1 for indicator locations. Deflection/permanent set reported is the overall deflection between three points (longest unsupported span) which accounts for support movement.

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SECTION 9

CONCLUSIONS

The large impacted each intended target. Each impact location was carefully inspected. No signs of penetration, rupture, or opening after the large missile impact test were observed; as such, each test specimen satisfies the large missile requirements of TAS 201. Upon completion of testing, specimens tested for TAS 201-94 met the requirements of Section 1626 of the Florida Building Code, Building.

No signs of failure were observed in any area of the test specimen during the TAS 202 testing; as such, the test specimen satisfies the requirements of TAS 202. Upon completion of testing, specimens tested for TAS 202-94 met the requirements of Section 1620 of the Florida Building Code, Building.

No signs of failure were observed in any area of the test specimens during the cyclic load test; as such, the test specimens satisfy the cyclic load requirements of TAS 203. Upon completion of testing, specimens tested for TAS 203-94 met the requirements of Section 1625 of the Florida Building Code, Building.

Unless differently required, Intertek reports apply the "Simple Acceptance" rule, also called "Shared Risk approach," of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

TEST REPORT FOR AMERICLAD

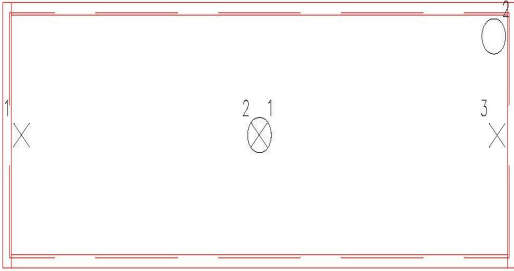
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SECTION 10

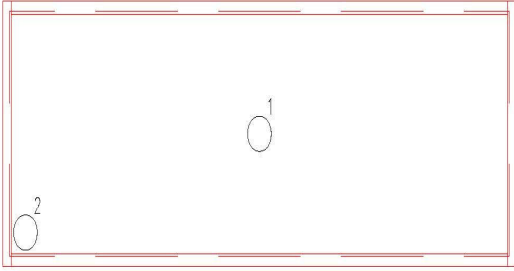
SKETCHES

REV	DATE	DESCRIPTION	BY

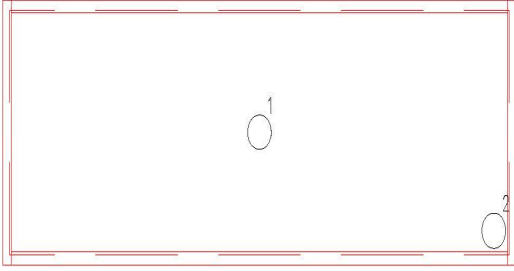


SPECIMEN 1 & 2 EXTERIOR ELEVATION

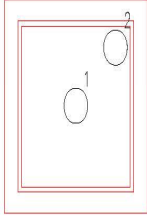




SPECIMEN 3 EXTERIOR ELEVATION



SPECIMEN 4 EXTERIOR ELEVATION



SPECIMEN 5 EXTERIOR ELEVATION

PROJECT NO. Q2435.01 201-18	PROJECT NAME: AC-4000HP PANELS CLIENT: QUALITY METALCRAFTS, LLC - AMERICLAD	 Total Quality. Assured.	DRAWING SPECIMEN #1 - IMPACT AND INDICATOR LOCATIONS	DWG. BY: ACW DATE: 11/02/23	SHEET 1 OF 1
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Sketch No. 1

TAS 201, 202 and 203 - Indicator and Impact Locations



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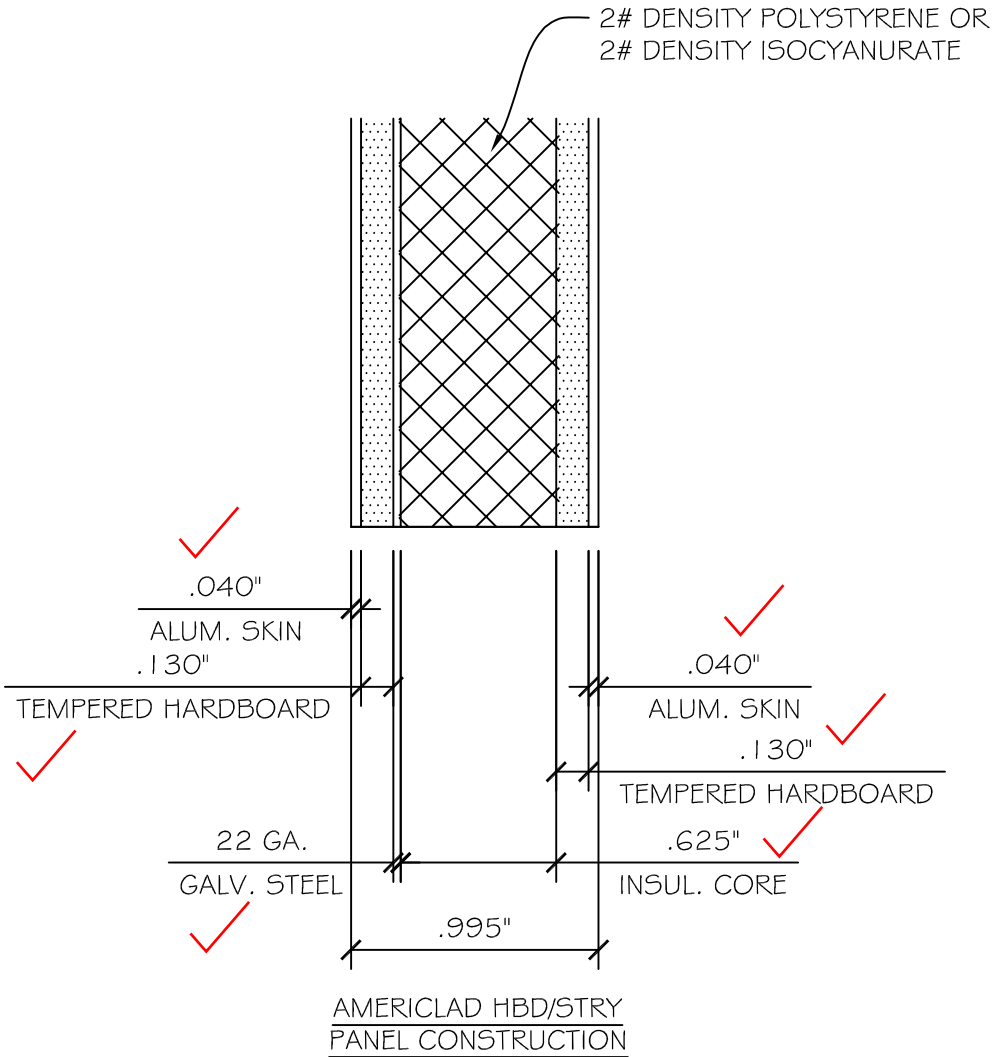
SECTION 11

DRAWINGS

The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimens reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.

GENERAL NOTES

1. THIS PRODUCT SHALL BE USED AS A COMPONENT, IN GLAZE-IN PANEL CONFIGURATIONS, REPLACING 1" DEPTH WET-GLAZED PANELS (INSULATING GLASS OR OTHERWISE) IN CURTAIN WALL, STOREFRONT, OR WINDOW PRODUCTS WITH SEPARATE PRODUCT APPROVAL APPROPRIATE FOR THE INSTALLATION LOCATION. THE LESSER OF THE DESIGN PRESSURE RATINGS OF THIS PANEL OR THE FRAMING SYSTEM SHALL APPLY TO THE ENTIRE SYSTEM.
2. THIS PRODUCT HAS BEEN TESTED TO TAS 201/202/203, AND MEETS THE REQUIREMENT OF THE 6TH ED. (2017) FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
3. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWINGS, IS LARGE MISSILE IMPACT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WIND BORNE DEBRIS REGIONS.
4. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION PERFORMANCE AND WATER MANAGEMENT OF THE INSTALLED SYSTEM SHALL BE THE RESPONSIBILITY OF OTHERS AND IS NOT ADDRESSED BY THIS DOCUMENT. THESE PANELS ARE NOOT INTENDED TO BE SUBMERGED IN WATER.
5. THE TESTED PRODUCT CONFIGURATION IS AS SHOWN IN THESE DRAWINGS: OTHER ALLOWABLE CONFIGURATIONS MAY BE APPROVED BY A LICENSED DESIGN PROFESSIONAL ON A SITE SPECIFIC BASIS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
6. THE DESIGN PRESSURE RATINGS IN THIS DRAWINGS ARE AS LIMITED BY STRUCTURAL, IMPACT/CYCLIC, AND WATER TESTED PRESSURES ON THE CONFIGURATION INDICATED. STRUCTURAL OVERLOAD OF 1.5X DESIGN LOAD WAS PERFORMED. SYSTEM AS SHOWN HEREIN WAS TESTED TO 11.25 PSF WATER.
7. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF THE ANCHORAGE INTO WOOD SUBSTRATE.
8. THE OPENING SUBSTRATE SHALL BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J) BUCKING, OPENINGS, & FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVE THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR A.H.J. WHEN THE INSTALLING INTO CONCRETE (OR MASONRY AT JAMBS ONLY) WITH WOOD BUCKS LESS THAN 1-1/2" THICK, ANCHOR EMBEDMENT SHALL BE CONCRETE (OR MASONRY AT JAMBS ONLY). WHEN INSTALLING INTO WOOD BUCKS 1-1/2" OR THICKER OVER CONCRETE (OR MASONRY AT JAMBS ONLY), ANCHOR EMBEDMENT SHALL BE INTO THE WOOD.
9. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURED TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER PRODUCT MATERIALS.
10. ALL FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED DESIGN PROFESSIONAL ON A SITE-SPECIFIC BASIS.



DESIGN PRESSURE TABLE

DESIGN PRESSURE RATING	IMPACT RATING
+/- 75.0 PSF	LARGE AND SMALL MISSILE

 Total Quality. Assured.	Report #:	Q2435
	Date:	11/8/23
	Verified by:	KL

TABLE OF CONTENTS

1. NOTES, PANEL DETAILS
2. TESTED CONFIGURATION, INSTALLATION ANCHOR TABLE

customer: AMERICLAD, LLC

job name: AC-4000 HURRICAN PANEL

material: VARIES

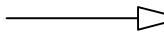
finish: PRE-FINISHED ALUM.

NOTES:

1. FLANGES 7/8" TYP. U.N.O.
2. ALL DIMS ARE O.D. U.N.O.
3. ALL BENDS ARE 90° U.N.O.

NOTES:

4. ALL PANELS ARE SHOWN FROM FINISH SIDE TYP.
5. ALL C'SUNK HOLES ON FINISH SIDE U.N.O.

 = PAINT/GRAIN DIRECTION

   = FINISH SURFACE



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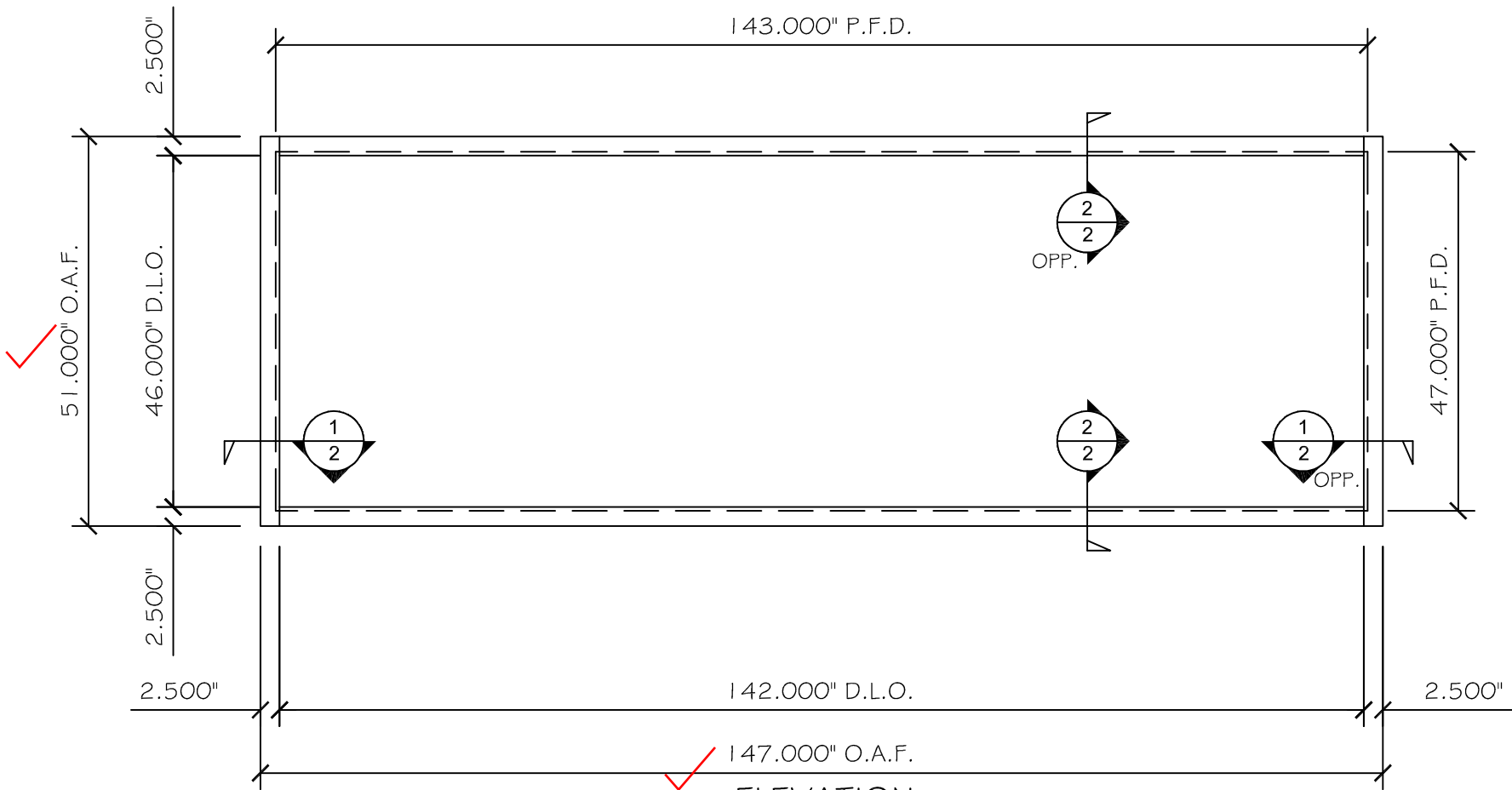
dr. by: TAW

check by:

date: 03/22/23

rev. date:

00/00/00



ELEVATION:
NOTE: PRODUCT MAY BE
ROTATED 90 DEG. TO SWAP WIDTH/HEIGHT

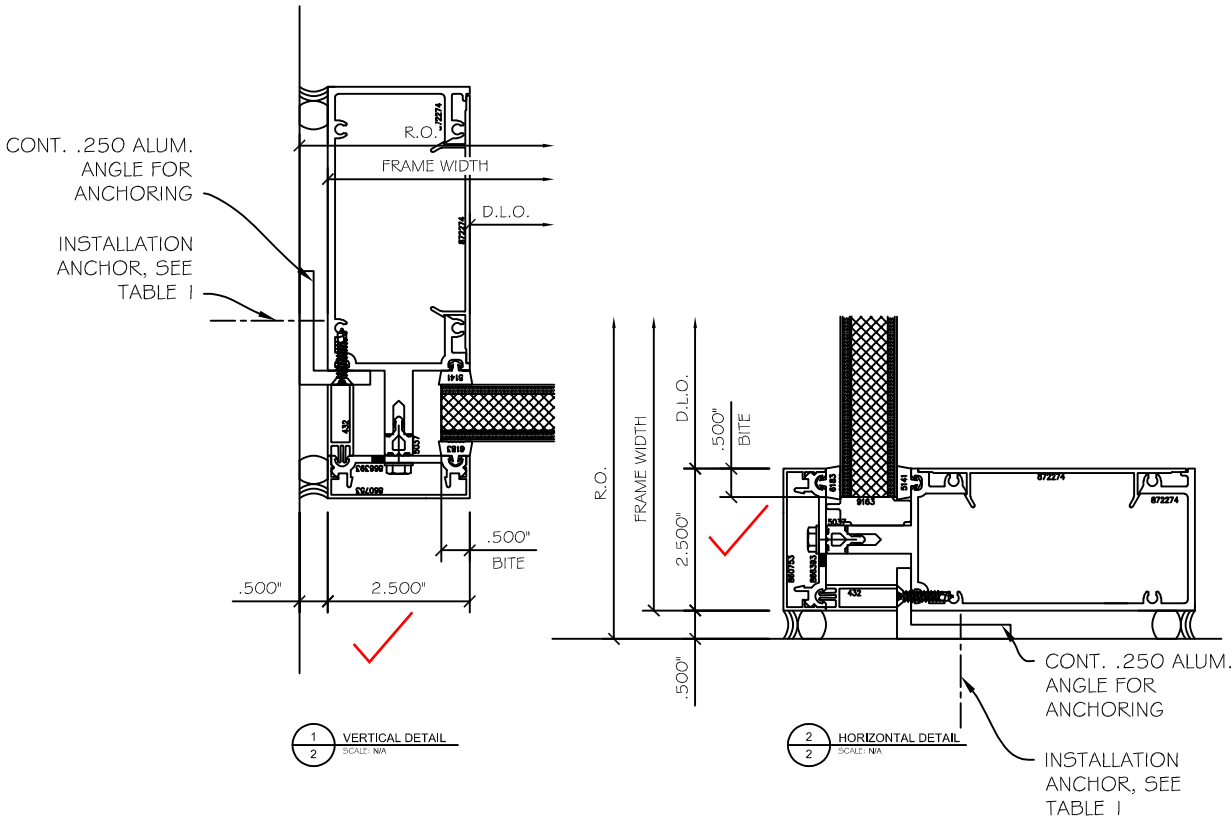


TABLE 1. QUALIFIED ANCHOR INFORMATION

ID	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	CONCRETE OR GROUT-FILLED CMU (2850 PSI MIN)	1/4" ELCO COATED CARBON STEEL ULTRACON	TBD BY ENGINEER	TBD BY ENGINEER
B	CONCRETE OR GROUT-FILLED CMU (2000 PSI MIN)	1/4" ITW COATED CARBON STEEL TAPCON	TBD BY ENGINEER	TBD BY ENGINEER
C	CONCRETE (3000 PSI MIN.)	1/4" ITW 410 STAINLESS TAPCON	TBD BY ENGINEER	TBD BY ENGINEER
D	CONCRETE (3000 PSI MIN.)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	TBD BY ENGINEER	TBD BY ENGINEER
E	HOLLOW OR GROUT FILLED CMU (ASTM C-90)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	TBD BY ENGINEER	TBD BY ENGINEER
F	2X MIN. SOUTHERN PINE WOOD (G=0.55 MIN)	1/4" GRADE 5 WOOD SCREW	TBD BY ENGINEER	TBD BY ENGINEER
G	16 GAUGE (0.060") MIN. STEEL STUD 33 KSI YIELD MIN.	1/4-24 ITW TEKS SELF-DRILLING SCREW	TBD BY ENGINEER	TBD BY ENGINEER
H	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 33 KSI MIN.	1/4" GRADE 5 SELF-TAPPING / DRILLING SCREW	TBD BY ENGINEER	TBD BY ENGINEER

NOTE: ANCHORS THROUGH METAL SHALL PROVIDE THREAD ENGAGEMENT THROUGH THE METAL THICKNESS W/MIN. 3 THREADS BEYOND



Report #: Q2435
Date: 11/8/23
Verified by: KL

customer: AMERICLAD, LLC
job name: AC-4000 HURRICAN PANEL
material: VARIES
finish: PRE-FINISHED ALUM.

NOTES:

- FLANGES 7/8" TYP. U.N.O.
- ALL DIMS ARE O.D. U.N.O.
- ALL BENDS ARE 90° U.N.O.

NOTES:

- ALL PANELS ARE SHOWN FROM FINISH SIDE TYP.
- ALL C'SUNK HOLES ON FINISH SIDE U.N.O.

— — — — — = PAINT/GRAIN DIRECTION
— — — — — = FINISH SURFACE



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Rogers, MN 55374
www.americlad.com

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dr. by: TAW

check by:

date: 03/22/23

rev. date:

00/00/00



Total Quality. Assured.

40 51st Way, Suite 100
Fridley, MN 55421

Telephone: 651-636-3835
Facsimile: 717-764-4129
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TEST REPORT FOR AMERICLAD

Report No.: Q2435.01-201-18 R1

Revision Date: 11/15/23

SECTION 12

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	10/27/23	N/A	Original Report Issue
1	11/15/23	All	Revised Report. Report revised to change customer name per client's request.