



Architectural Testing

Test Report

MP Global Products

34020 James J Pompo
Fraser, MI 48026
"Zip Up Underdeck® System"

Architectural Testing, Inc. Report #: B4275.01-450-18



February 16, 2012

Bob Maley
MP Global Products
34020 James J Pompo
Fraser, MI 48026

Re: Zip Up Underdeck® System (Test Report Package # B4275.01-450-18)

Dear Mr. Maley:

The enclosed test report package contains documents for MP Global Products' Zip Up Underdeck® System tested by Architectural Testing, Inc. (ATI).

This test report package includes the following items:

- Laboratory compliance letter
- ATI Test Report # B4275.01-450-18 (6 pages)
- MP Global Products' drawing labeled "Hurricane Testing Fixture" (Appendix A, 1 sheet)
- Die/part drawings (Appendix B, 3 sheets)
- Specification sheets (Appendix C, 3 pages)
- Revision log (1 page)

If you have any questions, please feel free to contact our office.

Sincerely,

ARCHITECTURAL TESTING, INC.

Vinu J. Abraham, P.E.
FL Reg. # 53820

6655 Garden Road
Riviera Beach, FL 33404
phone: 561.881.0020
fax: 561.881.0075
www.archtest.com



LABORATORY
COMPLIANCE LETTER



February 16, 2012

Jaime D. Gascon
Miami-Dade Building and Neighborhood Compliance (BNC) Department
Product Control Section
11805 SW 26th Street
Miami, Florida 33175

Re: Laboratory Compliance Letter (ATIWPB11030)

Dear Mr. Gascon:

The tests for the job and specimen numbers given in Table 1 have been performed in full accordance of the requirements of the Florida Building Code, with no deviations.

Table 1: Test Summary

Job #	Specimen #	TAS 201	TAS 203	TAS 202			
				AIR	WATER	STATIC	FORCED ENTRY
B4275.01-450-18	1		X			X	

If you have any questions, please feel free to contact our office.

Sincerely,

ARCHITECTURAL TESTING, INC.

A handwritten signature in blue ink, appearing to read 'Vinu J. Abraham'.

Vinu J. Abraham, P.E.
FL Reg. # 53820

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Riviera Beach, FL 33404
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TEST REPORT



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 Riviera Beach, FL 33404
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 F: 561.881.0075
 ARCHTEST.COM

Test Report #: B4275.01-450-18
 Report Date: 2-16-2012
 Test Report Retention End Date: 2-16-2016
 Specimen #: 1
 Page: 1 of 6

MP Global Products
 Zip Up Underdeck® System
 Test Report #: B4275.01-450-18

1.0 MANUFACTURER'S IDENTIFICATION

- 1.1 Name of Applicant: MP Global Products
 34020 James J Pompo
 Fraser, MI 48026
 Voice: 888.379.9695
 Fax: 402.379.9737
- 1.2 Contact Person: Bob Maley

2.0 LABORATORY IDENTIFICATION

- 2.1 Test Notification #: ATIWPB11030 (Miami-Dade)
- 2.2 Lab Certifications: Miami-Dade County (05-1014.01); Florida Building Code (TST1527); IAS (TL-244); AAMA; WDMA; Keystone Certifications; Texas Department of Insurance

3.0 SCOPE OF WORK

- 3.1 Introduction: MP Global Products retained Architectural Testing, Inc. (ATI) to conduct Florida Building Code and ASTM testing on their Zip Up Underdeck® System.
- 3.2 Report Information: Table 1 provides the test date for this specimen.

Table 1: Specimen Test Dates

Specimen #	Test Date
1	11/8/11

4.0 PRODUCT IDENTIFICATION

- 4.1 Product Type: Underdeck® System
- 4.2 Model Designation: Zip Up
- 4.3 Performance Class: -29.12 psf
- 4.4 Overall Size: 96" (w) x 48" (h)
- 4.5 Panel Size & Configuration: Table 2 provides the panel size and configuration for this specimen.

Table 2: Panel Size & Configuration

Quantity	Panel Size	Location
2	Partial – 5.5" (w) x 95.9" (l)	Top and Bottom
3	Full – 12.1" (w) x 95.9" (l)	Center, and 2 nd from Top and Bottom

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Vinu J. Abraham, P.E.
 FL Reg #53820
 2-16-2012

REPORT WRITER

Kristin Ahders and Fabian Noel

2-16-2012

- 4.6 General Description: Each sample consisted of a 99" (w) x 51" (h) wood buck frame fabricated from 2" (nominal) wood rafters, with intermediate rafters spaced 8" from each vertical support frame member and 16" on center. The Zip Up Underdeck® System was attached directly to the wood buck frame.
- 4.7 Drawing: This test report is incomplete if not accompanied by MP Global Products' drawing labeled "Hurricane Testing Fixture" (1 sheet) bearing the stamp of Architectural Testing, Inc.
- 4.8 Sample Source: MP Global Products provided the test specimens.

5.0 COMPONENT DESCRIPTION

- 5.1 Structural Support Frame:
Table 3 provides the structural support frame members and a description of each member.

Table 3: Structural Support Frame Members

Item	Description
Perimeter Support Frame	Four (4) – 2" x 6" (nominal) Std. Finish Lumber
Intermediate Rafters	Six (6) – 2" x 4" (nominal) Std. Finish Lumber centered at 8" from each vertical support frame member and at 16" o.c.

- 5.2 Zip Up Underdeck® System:
Table 4 provides the Zip Up Underdeck® system components used in the test specimens.

Table 4: Zip Up Underdeck® System Components

Description	Overall Cross-Section	Material
Panel	12.126" x 0.323" x 0.040"	Rigid PVC
Main Rail	1.398" x 1.896" x 0.040"	Rigid PVC
Wall Trim	0.984" x 2.087" x 0.040"	Rigid PVC

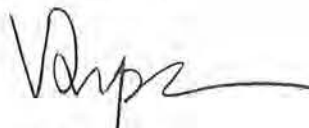
6.0 SPECIMEN CONSTRUCTION

Table 5 provides the specimen construction materials and fastening.

Table 5: Specimen Construction Materials and Fastening

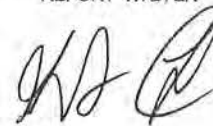
Location	Description
Main Rails to Intermediate Rafters	Each Main Rail was mechanically fastened to each Intermediate Rafter using two (2), 0.125" x 1.25" exterior grade Grip Rite deck screws, each with one (1) S.S. #6 washer
Horizontal Wall Trim to Intermediate Rafters	Each horizontal Wall Trim was mechanically fastened to each Intermediate Rafter using one (1), 0.125" x 1.25" exterior grade Grip Rite deck screw, each with one (1) S.S. #6 washer
Main Rails to Vertical Wall Trim	Each end of each Main Rail was slid into the vertical Wall Trim and mechanically fastened to each vertical Wall Trim using one (1), 0.125" x 1.25" exterior grade Grip Rite deck screw, each with one (1) S.S. #6 washer at both sides of the Main Rail

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Table 5: Specimen Construction Materials and Fastening (continued)

Location	Description
Vertical Wall Trim to Vertical Support Frame Members	Each vertical Wall Trim was mechanically fastened to the vertical Support Frame Members using one (1), 0.125" x 1.25" exterior grade Grip Rite deck screw, each with one (1) S.S. #6 washer at each Main Rail
Panels to Wall Trim and Main Rails	Each full Panel was snap fit to the adjacent Main Rails. The partial Panels were slid into the Wall Trim and snap fit to the adjacent Main Rail
Wall Trim to Wall Trim	At corners the horizontal and vertical Wall Trim were overlapped
Wall Joints	All wall joints and the perimeter were sealed with Dap® 100% Silicone Rubber Sealant

7.0 TEST SEQUENCE

Table 6 provides a summary of the test sequence for the specimen.

Table 6: Test Sequence

Test Specimen 1	
1.	Uniform Static Load Test: Negative Pre-Load
2.	Uniform Static Load Test: Negative Design Load
3.	Uniform Static Load Test: Negative Overload
4.	Negative Cyclic Load Test

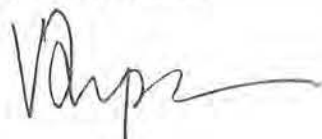
8.0 TEST RESULTS

8.1 Uniform Static Load Test

8.1.1 Deflection Gage Locations

Figure 1 shows the deflection gage locations for the uniform static load test.

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2-16-2012

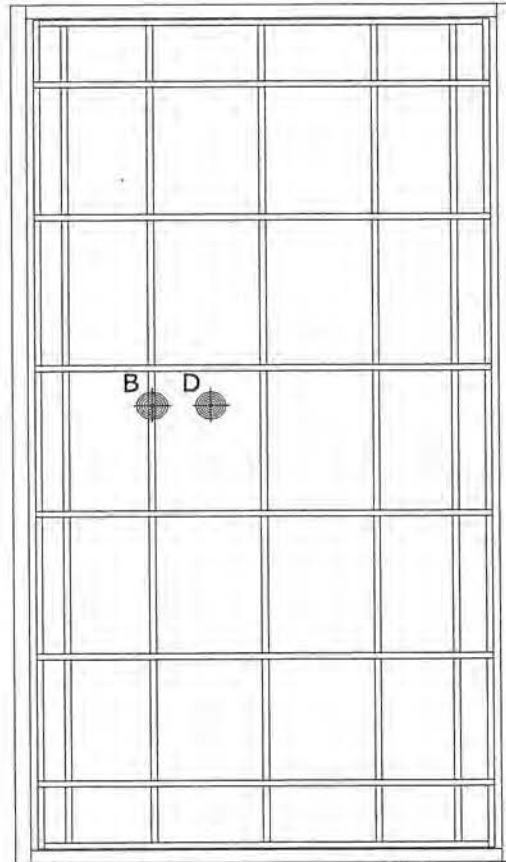


Figure 1: Deflection Gage Locations

8.1.2 Results

Table 7 provides the negative uniform static load test results. The results are for the deflection gage locations shown in Section 8.1.1. The deflection reported is the overall deflection between three points (longest unsupported span) which accounts for support movement.

Table 7: Negative Uniform Static Load Test Results

Specimen #	Gage Location	Load (psf)	Deflection (in.)		Permanent Set (in.)	
			Measured	Allowed	Measured	Allowed
1	B	-21.84	0.011	N/A	0.000	N/A
		-29.12	0.013		0.000	
		-43.68	0.023		0.000	
	D	-21.84	0.187	N/A	0.015	N/A
		-29.12	0.283		0.013	
		-43.68	0.560		0.198	

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2-16-2012

8.1.3 Conclusion

ATI observed no signs of failure in any area of this test specimen during the uniform static load test; as such, this test specimen satisfies the uniform static load test requirements of TAS 202.

8.2 Cyclic Load Test

8.2.1 Deflection Gage Locations

Refer to Section 8.1.1, Figure 1 for deflection gage locations.

8.2.2 Test Spectrum

Table 8 provides the negative short cyclic load test spectrum.

Table 8: Negative Fatigue Load Test Spectrum

Stage	1	2	3
Pressure Range (psf)	0.0 – 14.5	0.0 – 17.47	0.0 – 37.85
Number of Cycles	600	70	1

8.2.3 Results

Table 9 provides the results for the cyclic load test. The results are for the deflection gage locations shown in Section 8.1.1.

Table 9: Cyclic Load Test Results

Specimen #	Gage Location	Permanent Set	
		Outward (Negative Load)	
		Measured (in.)	Allowed (in.)
1	B	0.000	N/A
	D	0.063	

8.2.4 Conclusion

ATI observed no signs of failure in any area of this test specimen during the cyclic load test; as such this test specimen satisfies the cyclic load test requirements of TAS 203.

9.0 SUMMARY

Table 10 provides a summary of the test results for MP Global Product's, Zip Up Underdeck® System.

Table 10: Summary of Test Results

Specimen #	Test Method	Test Conditions	Test Conclusion
1	Static Load Test (TAS 202)	- 29.12 psf Design Pressure	PASS
	Cyclic Load Test (TAS 203)	- 29.12 psf Design Pressure	PASS

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2-16-2012

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2-16-2012



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Test Report #: B4275.01-450-18
 Report Date: 2-16-2012
 Test Report Retention End Date: 2-16-2016
 Specimen #: 1
 Page: 6 of 6

10.0 CERTIFICATION AND DISCLAIMER STATEMENT

All tests performed on this test specimen were conducted in accordance with the specifications of the applicable codes, standards and test methods listed below by ATI. ATI, does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products tested at ATI. ATI is not owned, operated or controlled by any company manufacturing or distributing products it tests. This report is only intended for the use of the entity named in Section 1.0 of this report. Detailed assembly drawings showing panel/clip thicknesses, panel/clip profiles, accessories, fasteners and all other applicable layouts are on file and have been compared to the test specimen submitted. ATI will service this report for the entire test record retention period. Test records that are retained such as detailed drawings, datasheets, representative samples of test specimen, or other pertinent project documentation will be retained by ATI for the entire test record retention period.

All results obtained apply only to the specimen tested and they do indicate compliance with the performance requirements of the test methods and specifications listed in the following section.

If test specimen contains glazing, no conclusions of any kind regarding the adequacy or inadequacy of the glass in any glazed test specimen can be made. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen tested. This report may not be reproduced, except in full, without the written approval of ATI.

11.0 APPLICABLE CODES, STANDARDS, AND TEST METHODS

Florida Building Code TAS 202-94 – Criteria for Testing Impact & Non Impact Resistant Building Envelope Components using Uniform Static Air Pressure
 Florida Building Code TAS 203-94 – Criteria for Testing Products Subject to Cyclic Wind Pressure Loading

12.0 WITNESSES (ALL OR PARTIAL)

Vinu J. Abraham, P.E.	Vice President – Southeast Region	ATI
Jeff McGovern	Director – Regional Operations	ATI
Kristin Norville, E.I.	Operations Engineer	ATI
John Spallina	Technician	ATI

13.0 APPENDICES

This test report is incomplete if not accompanied by the following Appendices:

Appendix A: Test Specimen Drawings.....	1 Sheet
Appendix B: Die/Part Drawings	3 Sheets
Appendix C: Specification Sheets	3 Pages
Revision Log	1 Page

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2-16-2012

REPORT WRITER

2-16-2012



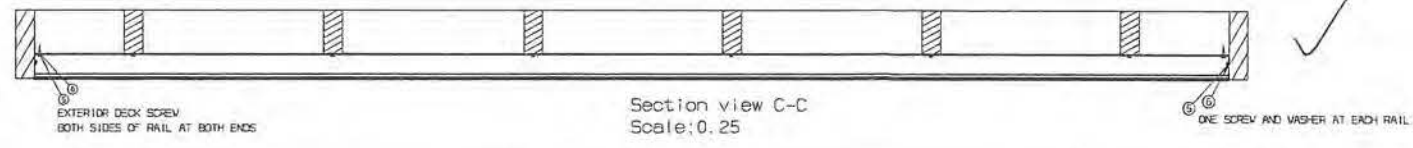
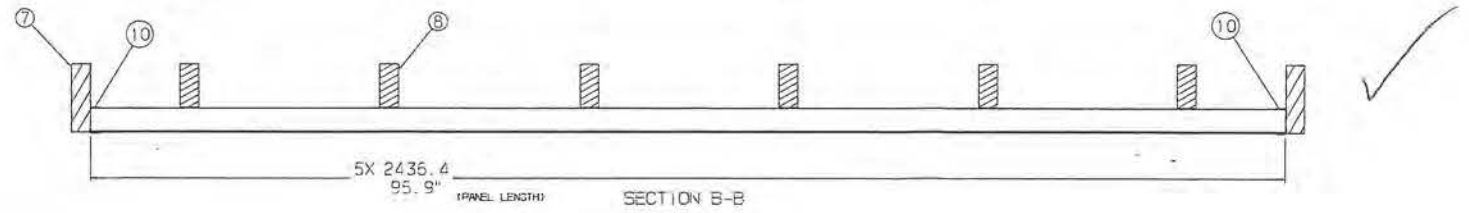
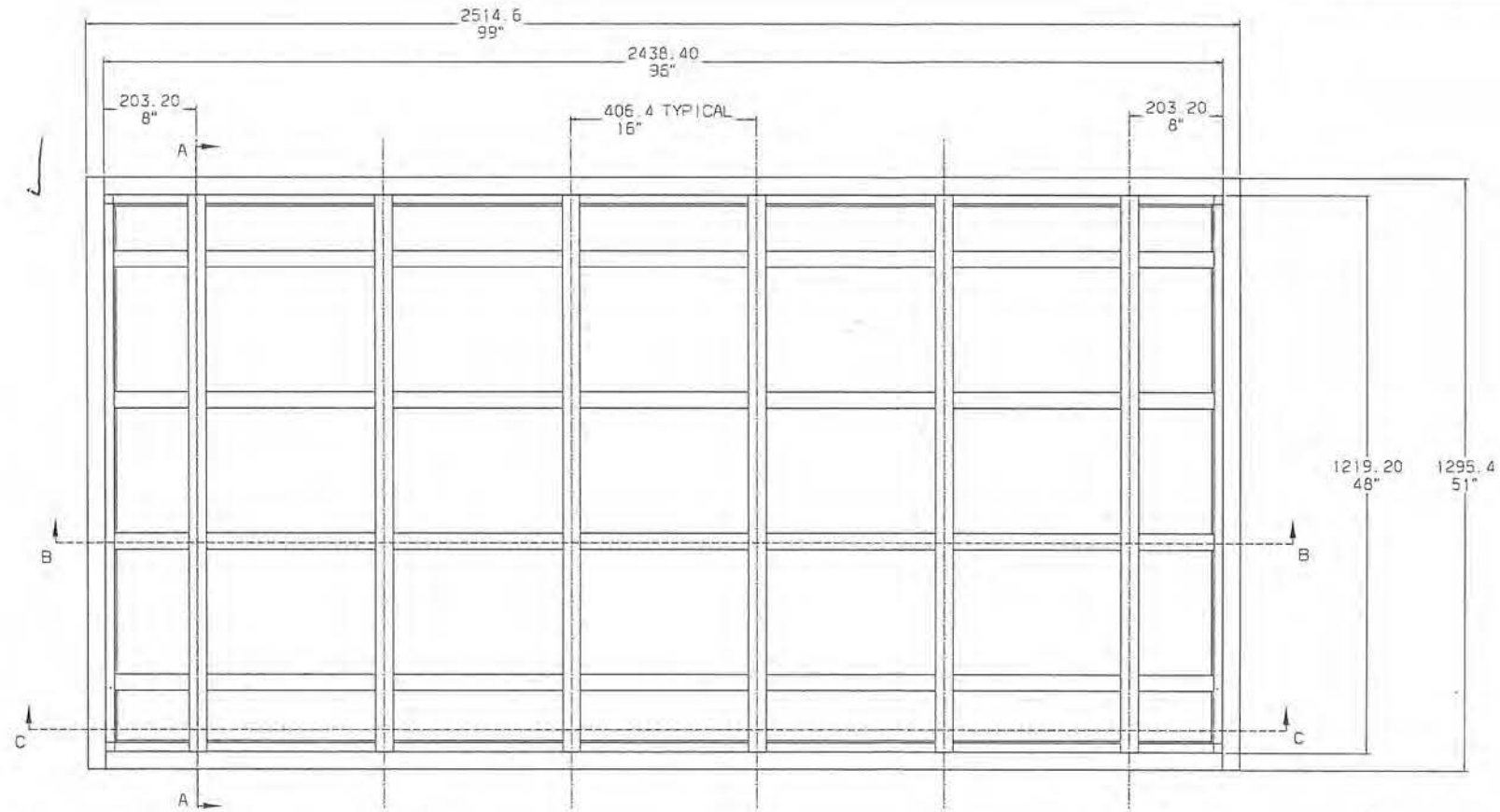
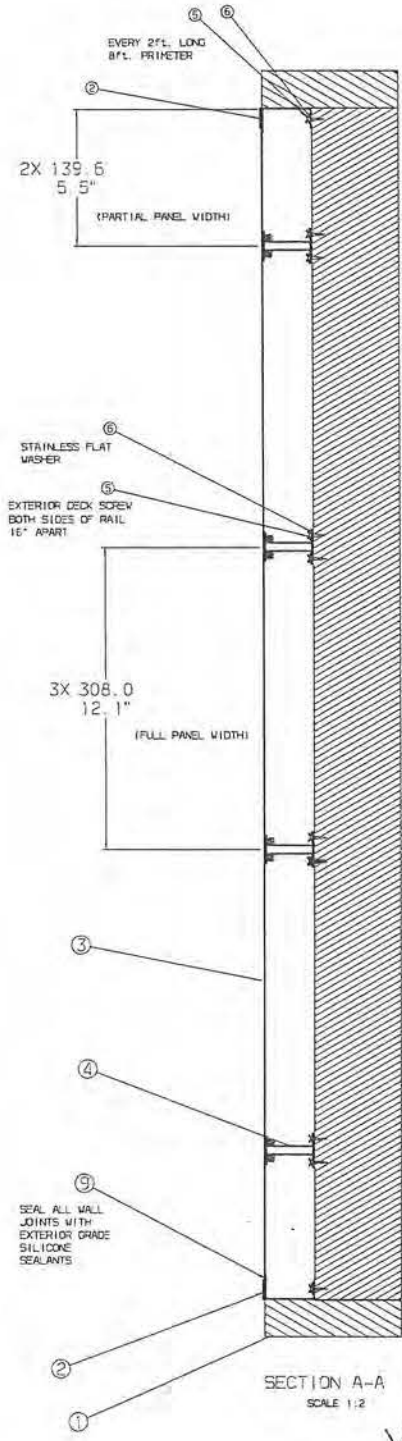
Architectural Testing ARCHTEST.COM

6655 Garden Road
Riviera Beach, FL 33404
P: 561.881.0020
F: 561.881.0075

Test Report #: B4275.01-450-18
Report Date: 2-16-2012
Test Report Retention End Date: 2-16-2016
Specimen #: 1

APPENDIX A:
Test Specimen Drawing: Hurricane Testing Fixture
1 SHEET

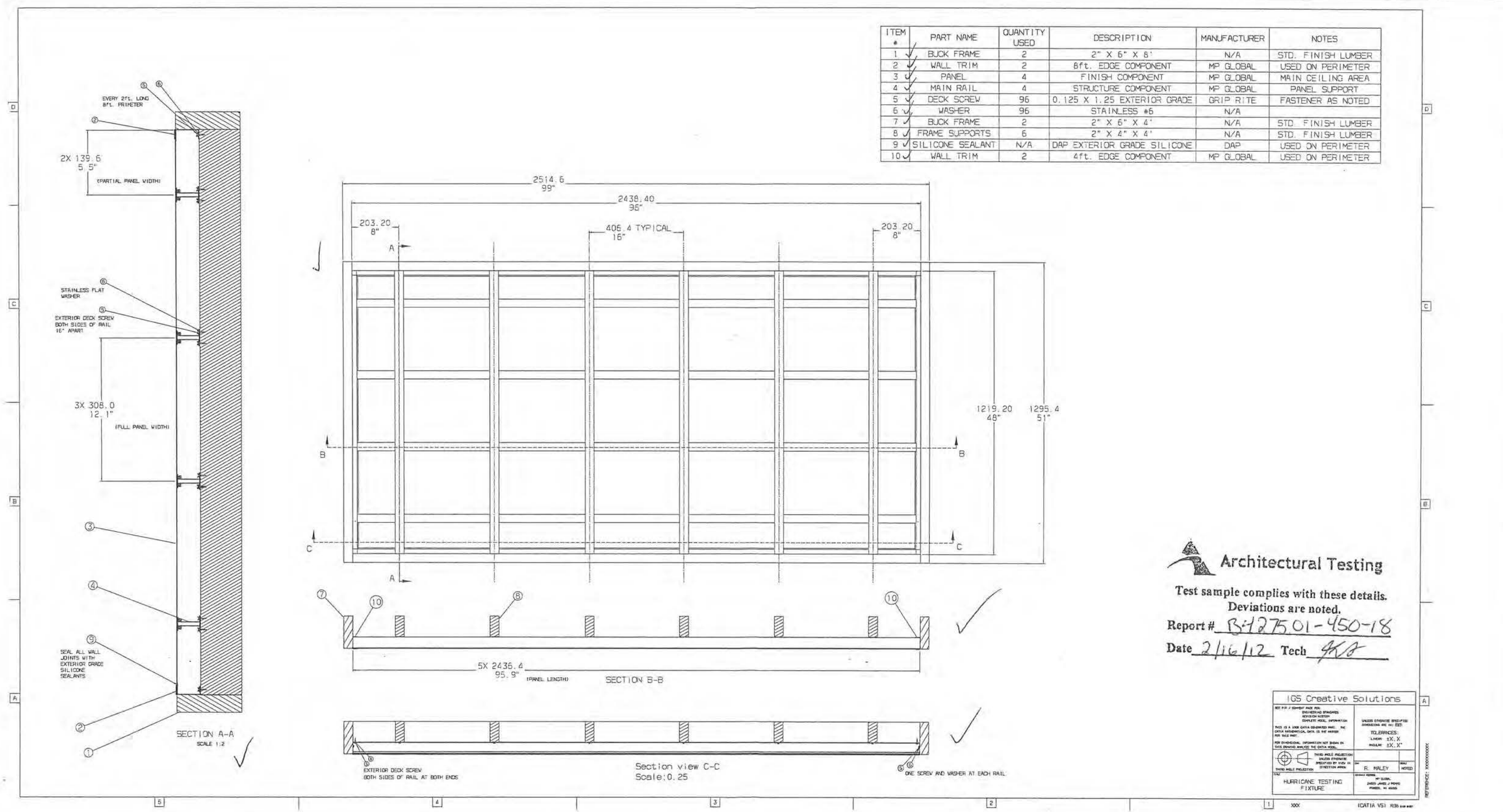
ITEM #	PART NAME	QUANTITY USED	DESCRIPTION	MANUFACTURER	NOTES
1	BUCK FRAME	2	2" X 6" X 8'	N/A	STD. FINISH LUMBER
2	WALL TRIM	2	8ft. EDGE COMPONENT	MP GLOBAL	USED ON PERIMETER
3	PANEL	4	FINISH COMPONENT	MP GLOBAL	MAIN CEILING AREA
4	MAIN RAIL	4	STRUCTURE COMPONENT	MP GLOBAL	PANEL SUPPORT
5	DECK SCREW	96	0.125 X 1.25 EXTERIOR GRADE	GRIP RITE	FASTENER AS NOTED
6	WASHER	96	STAINLESS #6	N/A	
7	BUCK FRAME	2	2" X 6" X 4'	N/A	STD. FINISH LUMBER
8	FRAME SUPPORTS	6	2" X 2" X 4'	N/A	STD. FINISH LUMBER
9	SILICONE SEALANT	N/A	DAP EXTERIOR GRADE SILICONE	DAP	USED ON PERIMETER
10	WALL TRIM	2	4ft. EDGE COMPONENT	MP GLOBAL	USED ON PERIMETER



Architectural Testing
 Test sample complies with these details.
 Deviations are noted.
 Report # B427501-450-18
 Date 2/16/12 Tech JKR

105 Creative Solutions

DESIGNER: J. COOPER AND ASSOCIATES
 ENGINEERING: J. COOPER AND ASSOCIATES
 REVISION HISTORY:
 COMPLETE: 02/16/12
 DATE: 02/16/12
 DRAWN BY: J. COOPER
 CHECKED BY: J. COOPER
 SCALE: 1/4\"/>





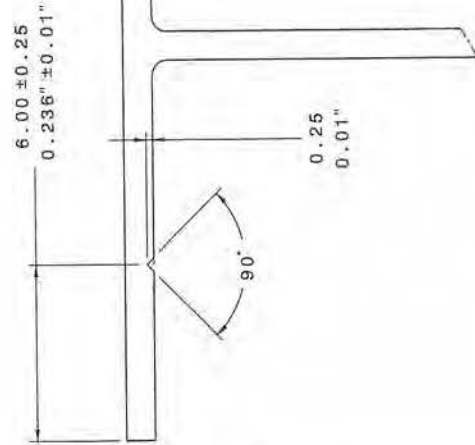
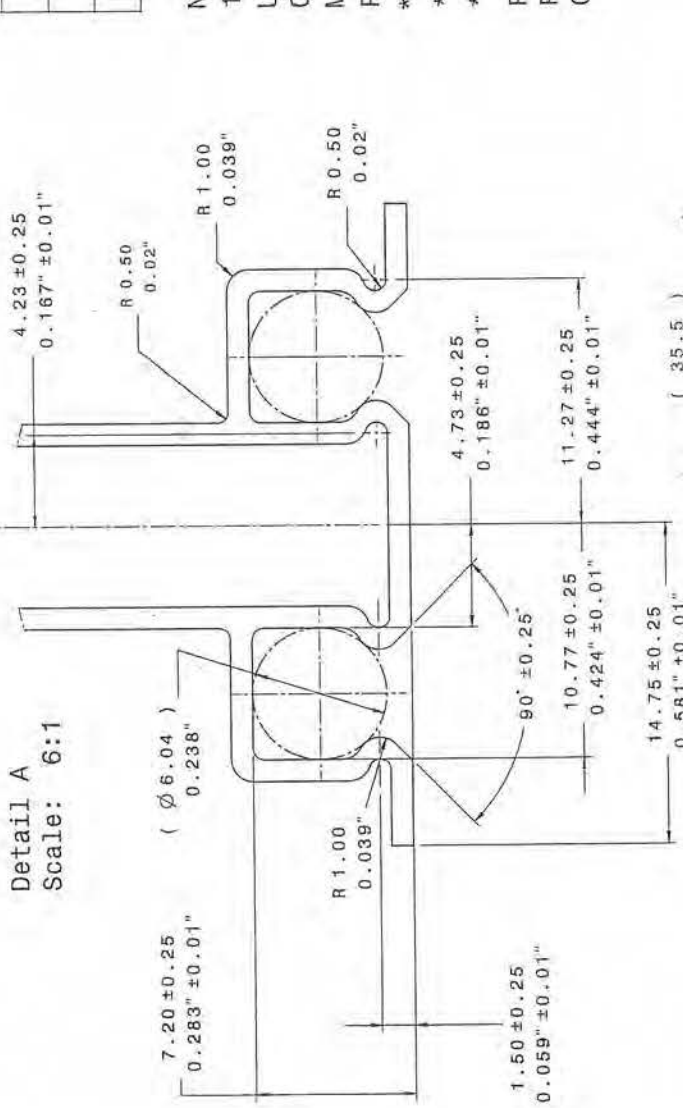
Architectural Testing ARCHTEST.COM

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Test Report #: B4275.01-450-18
Report Date: 2-16-2012
Test Report Retention End Date: 2-16-2016
Specimen #: 1

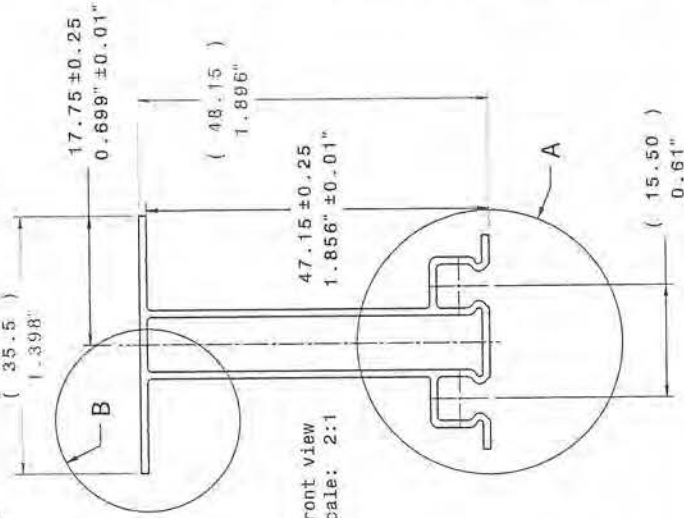
APPENDIX B:
Die/Part Drawings
3 SHEETS

Detail A
Scale: 6:1



Detail B
Scale: 8:1

Front view
Scale: 2:1



UNLESS OTHERWISE SPECIFIED
PERFECT FORM REQUIRED FOR FEATURES OF
SIZE AND LOC. DATUM POS. IN TOLERANCES
SIZE INDICATED IN FEATURE CONTROL FRAME.
ALL OTHER GEOMETRIC TOLERANCES AND
RELATED DATUMS APPLY RFS. SEPARATE TRLE
POSITION CALLOUTS MAY BE GAUGED
SEPARATELY, REGARDLESS OF DATUM
REFERENCE.

ALL DIMENSIONS ARE IN MILLIMETERS
ALL DIMENSIONS ± 0.25
UNLESS OTHERWISE SPECIFIED

ANGLES ± 0.5 DEGREE

REFERENCE U-08-PN-200-WHT
U-08-WT-200-WHT
U-12-ST-200-WHT

FIRST USED:

THIRD ANGLE
PROJECTION
SCALE
DO NOT
USE MATH
DATA

DWG STATUS		ZONE		REVISION HISTORY		AUTH		DR	
DATE	CAO	DRN	Q	REV					
02/28/10	Y	A	A		PRODUCTION RELEASE	03/01/10	RM	PM	LM

NOTE:
1mm. / 0.04in. MIN. THICKNESS
UNLESS OTHERWISE SPECIFIED, ALL INSIDE RADII MIN.
0.25 MM.
MASS FROM MATH DATA: 0.74kg FOR 1 FT.
PART CUT LENGTHS SPECIFIED ON PURCHASE ORDERS.
* DENOTES INTERIOR OR EXTERIOR.
** DENOTES PART CUT LENGTH IN FT.
*** DENOTES PART COLOR.

PROFILE STRAIGHTNESS, FLATNESS AND
PERPENDICULARITY DEFINED AS A CRITICAL
CHARACTERISTIC.



Test sample complies with these details.
Deviations are noted.

Report # B4275.01-450-18

Date 2/16/12 Tech QA



Creative Solutions Inc.
17163 PARK LANE, FRASER, MI 48226 USA

DR	R. N. MALEY	DATE	02/28/10
APV01	P. J. MALEY		
APV02	L. R. MALEY		
APV03			
APV04			
APV05			

MATERIAL	RPVC	Part Weight	0.164 lb. (per ft.) 0.074 kg. (per ft.)
DRAWING NAME	MAIN RAIL (NO FINISH)		
DRAWING NUMBER	U-08-MR-200-WHT		
SCALE	FULL	SHEET NO	1 OF 1
SIZE		REV	A

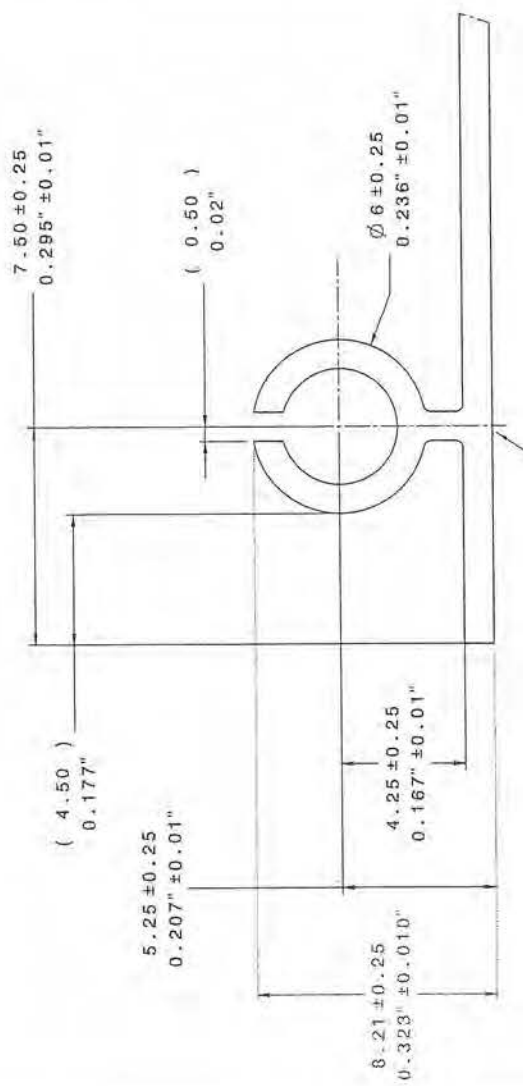


Architectural Testing

Test sample complies with these details.
Deviations are noted.

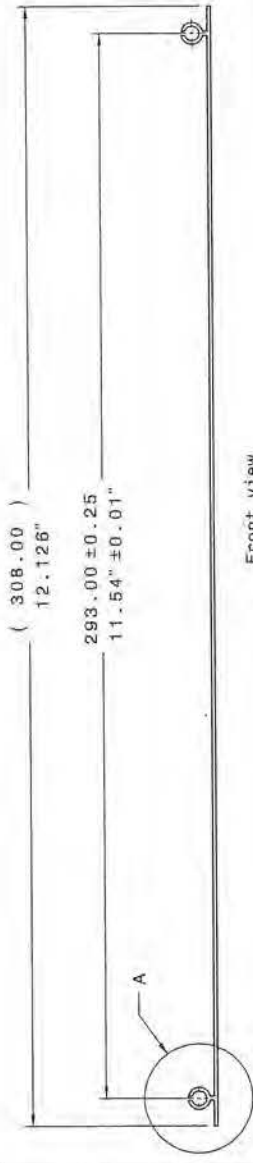
Report # B34275.01-450-18

Date 2/16/12 Tech AK



No Sink Permissible
In This Area

Detail A
Scale: 8:1



Front view
Scale: 1:1

Dwg Status		Zone		Revision History		Auth		DR APVD/RPVD	
DATE	CAQ/DRW/ENG/REV	Y	A	Y	A	03/01/10	RM	LM	1
02/28/10									2

NOTE:

1mm/ 0.04in. MIN. THICKNESS
UNLESS OTHERWISE SPECIFIED, ALL INSIDE RADII MIN.
0.25 MM.

MASS FROM MATH DATA: 0.145kg FOR 1FT.
PART CUT LENGTHS SPECIFIED ON PURCHASE ORDERS.

** DENOTES PART CUT LENGTH IN FT.
*** DENOTES PART COLOR.

PART MUST BE FLAT ACROSS ENTIRE WIDTH AND LENGTH.
BALL AND LEG FEATURE MUST NOT TEAR AWAY FROM
PANEL.

LEG FEATURE MUST BE PERPENDICULAR TO PANEL.
PROFILE STRAIGHTNESS, FLATNESS AND
PERPENDICULARITY DEFINED AS A CRITICAL
CHARACTERISTIC.

UNLESS OTHERWISE SPECIFIED
PERFECT FORM REQUIRED FOR FEATURES OF
SIZE RELATED TO TOLERANCES
UNLESS OTHERWISE SPECIFIED
SIZE INDICATED IN FEATURE CONTROL FRAME
ALL OTHER GEOMETRIC TOLERANCES AND
RELATED DATUMS APPLY RFS. SEPARATE TRUE
POSITION CALLOUTS MAY BE GAGED
SEPARATELY, REGARDLESS OF DATUM
REFERENCE.

ALL DIMENSIONS ARE IN MILLIMETERS
ALL DIMENSIONS ± 0.25
UNLESS OTHERWISE SPECIFIED

ANGLES ± 0.5 DEGREE

REFERENCE U-08-MR-200-WHT
U-08-WT-200-WHT
U-12-ST-200-WHT

FIRST USED:

THIRD ANGLE
PROJECTION
DO NOT
SCALE
USE MATH
DATA



DR	DATE
R. N. MALEY	02/28/10
P. J. MALEY	
L. R. MALEY	
APV03	
APV04	
APV05	

MATERIAL RPVC
Part Weight
0.32 lb. (per ft.)
0.145 kg. (per ft.)

DRAWING NAME
✓ PRISTINE PANEL (FLAT FINISH)

SCALE	FRAME NO	SHEET NO	DWG	REV	NVP
1 OF 1	1	1	A	A	A

DRAWING NUMBER
U-08-PN-200-WHT

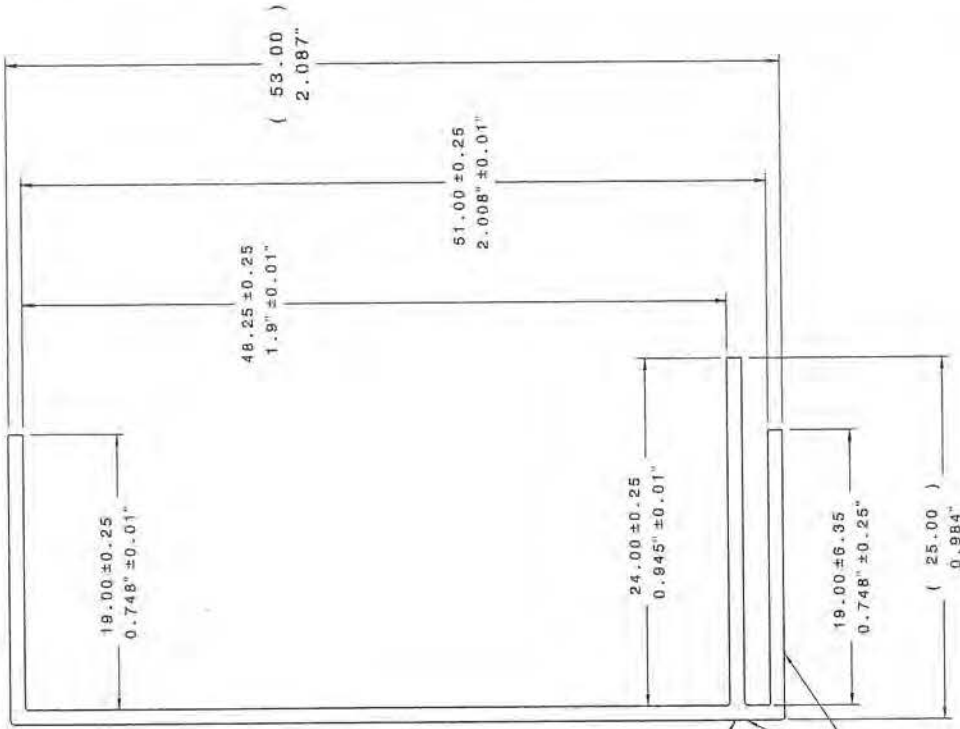


Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report # B 4275.01-450-18

Date 2/16/12, Tech MS



NO SINK PERMISSIBLE
IN THIS AREA

CLASS "A" SURFACE

Front view
Scale: 4:1

NOTE:

1mm. / 0.04in. MIN. THICKNESS
UNLESS OTHERWISE SPECIFIED, ALL INSIDE RADII MIN.
0.25 MM.

MASS FROM MATH DATA: 0.049kg FOR 1 ft.

PART CUT LENGTHS SPECIFIED ON PURCHASE ORDERS.

* DENOTES INTERIOR OR EXTERIOR.

** DENOTES PART CUT LENGTH IN FT.

*** DENOTES PART COLOR.

PROFILE STRAIGHTNESS, FLATNESS AND
PERPENDICULARITY DEFINED AS A CRITICAL
CHARACTERISTIC.

CLASS "A" SURFACE DEFINED AS CRITICAL TO
AESTHETICS.

DWG STATUS		ZONE	REVISION HISTORY		AUTH	DR	APPROVAL
DATE	CAO/DRM/CHG/REV						
02/28/10	V A A	---	PRODUCTION RELEASE	02/01/10	RM	LM	

UNLESS OTHERWISE SPECIFIED
PERFECT FORM REQUIRED FOR FEATURES OF
SIZE AT MMC. TRUE POSITION TOLERANCES OF
ANGLES SHALL BE IN MILLIMETERS UNLESS
OTHERWISE SPECIFIED. ALL DIMENSIONS
UNLESS OTHERWISE SPECIFIED.
ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE SPECIFIED.
ALL DIMENSIONS ± 0.25
UNLESS OTHERWISE SPECIFIED.
ANGLES ± 0.5 DEGREE
REFERENCE U-08-PN-200-WHT
U-08-MR-200-WHT
U-12-ST-200-WHT
FIRST USED.



Creative Solutions Inc.
17163 PARK LANE, FRASER, HI 48026 USA

DR	R. N. MALEY	DATE	02/28/10
RPV01	P. J. MALEY		
RPV02	L. R. MALEY		
RPV03			
RPV04			
RPV05			

MATERIAL	RPVC	Part Weight	0.106 lb. (per ft.) 0.048 kg. (per ft.)
DRAWING NAME	WALL TRIM (NO FINISH)		

DRAWING NUMBER
U-08-WT-200-WHT

SIZE	SCALE	FRAME NO	DWG	REV	INP
	FULL	1 OF 1	1	A	A



Architectural Testing ARCHTEST.COM

6655 Garden Road
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Test Report #: B4275.01-450-18
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Specimen #: 1

APPENDIX C:
Specification Sheets
3 PAGES



Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224
Phone: 410-675-2100 or 800-543-3840

Revised: 01/10/05

DAP® 100% Silicone Rubber Sealant

- All-purpose, indoor/outdoor use
- Watertight seal
- Long-lasting flexibility
- Minimal shrinkage
- 50 year durability guarantee

Packaging: 2.8 fluid ounce squeeze tube (83 mL), 10.1 fluid ounce cartridge (300 mL)

Colors: White, Clear, Almond, Black, Aluminum, Bronze

UPC Nos: 70798 00683, 00684, 08646, 08641, 05841, 08642, 08643, 08647, 08649, 73473, 73477, 73462, 73485, 73497

Company Identification:

Manufacturer: DAP Inc., 2400 Boston Street, Baltimore, Maryland 21224
Usage Information: DAP HELPLINE: 888-DAP-TIPS, 9:00 am to 7:00 pm EST
Order Information: 800-327-3339
Also, visit the DAP website at www.dap.com.

Product Description:

DAP® 100% Silicone Sealant Rubber Sealant is an all-purpose, one component, acetoxy cure sealant ideal for indoor/outdoor use. It provides a watertight, flexible seal that won't crack, crumble or shrink. Once cured, it is unaffected by temperature extremes (-40°F to 400°F). It meets ASTM Specification C 920, Class 25, Type S, Grade NS and has a 50 year durability guarantee.

Suggested Uses:

Ideal for caulking and sealing:

- Around windows and doors
- Siding and trim
- Gutters and vents
- Molding

Adheres to:

- Glass
- Ceramic
- Fiberglass
- Porcelain
- Non-oily woods
- Canvas
- Most metals (*see For Best Results section*)
- Most plastics and rubbers
- Painted surfaces

Performance Characteristics:

- When cured and washed, the product meets the requirements of FDA Regulation No. 21 CFR 177.2600.

Surface Preparation & Application:

- Remove old caulk from surface. Prepare a clean, dry surface which is free of loose debris, dust, dirt, soap, oil or grease.
- When using 2.8 oz squeeze tube, remove cap and puncture inner seal with other side of cap. Screw on nozzle and cut at 45° angle to desired bead size.
- When using 10.1 oz cartridge, cut nozzle at 45° angle to desired bead size. Puncture inner foil seal. Load into caulking gun.
- Apply sealant to surface, pushing sealant ahead of nozzle.
- Smooth bead with finishing tool if necessary.
- Clean up excess uncured sealant from surface and tools with mineral spirits. Excess cured sealant must be cut or scraped away. Wash hands with soap and water.
- Allow 24 hours for sealant to cure. Sealant will not cure in totally confined spaces.
- When applying to hard rubber or plastic surfaces, lightly sand or roughen surface before application to maximize adhesion.
- When bonding two surfaces together, always clamp until cured, if possible.
- When using sealant to form weather-stripping or other formed rubber parts, place wax paper over sealant to prevent sticking to mating piece until it has cured.
- Reseal for reuse.

For Best Results:

- Application temperature is between -35°F and 140°F.
- Joint width should not exceed 1/2". If joint depth exceeds 1/2", use backer rod material.
- Not paintable. Paint surfaces before sealing.
- Not recommended for continuous underwater use, below grade use, use on wet surfaces, oily woods, stovepipes or chimneys. Not for fireplace applications, tuck pointing, butt joints, structural glazing or repairing surface defects.
- Not recommended for use on cementitious materials or surfaces that might bleed oils, plasticizers or solvents. Substrates made of methylmethacrylate, polycarbonate, polypropylene, polyethylene and polytetrafluoroethylene do not allow for best adhesion and compatibility with sealant. Try test area before using.
- Not recommended for use on brass, copper, magnesium, zinc, iron, galvanized metals or other surfaces prone to attack by weak acids.
- Do not use where abrasion and physical abuse are encountered.
- Store in temperatures below 90°F in a dry place.

Physical & Chemical Characteristics:

Polymer:	Silicone Rubber
Tooling Time:	5-10 Minutes
Tack Free Time:	10-20 Minutes
Dynamic Joint Movement:	±25%
Paintable:	No
Odor:	Vinegar-like
Consistency:	Smooth, Gunnable Paste
Specific Gravity:	1.03 ±-0.01
Solids:	97.0% ±-1.0% by weight
Density:	8.6±-0.10 lbs./gallon
Temperature Service Range:	-40°F to 400°F (after full cure)
Temperature Application Range:	-35°F to 140°F
Freeze Thaw Stable:	Yes
Shelf Life:	1 Year
Coverage:	10.1 fl. oz.: 55 linear ft. at a 3/16" bead size

MSDS No:

2.8 fl. oz.: 15 linear ft. at a 3/16" bead size
00683

Clean Up:

Remove excess uncured sealant from surfaces and tools with mineral spirits. Wash hands with soap and water. Cured sealant must be cut or scraped away.

Safety:

See product label and Material Safety Data Sheet (MSDS) for safety information. You can request an MSDS by visiting our website at www.dap.com or by calling **888-DAP-TIPS**.

Satisfaction Guaranteed:

If not satisfied with product performance within one year of purchase, return used container and sales receipt to DAP Inc., Technical Customer Service, 2400 Boston Street, Suite 200, Baltimore, MD 21224 for product replacement or sales price refund. DAP will not be liable for incidental or consequential damages.



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