MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Mitsubishi Plastics Composites America, Inc.
401 Volvo Parkway
Chesapeake, VA 23320

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Alpolic and Alpolic/FR " Composite Wall Panel Systems

APPROVAL DOCUMENT: Drawing No. 1, titled "Alpolic and Alpolic/fr Composite Wall Panel Systems", sheets 1 through 10 of 10, prepared by Mitsubishi Chemical America, Inc., dated 11/11/02, last revision #1, dated 09/01/09, signed and sealed by Robert A. Walz, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 09-0923.05** and consists of this page 1, evidence submitted pages E-1, E-2, & E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**

MIAMI-DADE COUNTY APPROVED

Helmy A. Makar
06/09/2011

NOA No. 11-0421.08
Expiration Date: 08/09/2012
Approval Date: 06/09/2011

Mitsubishi Plastics Composites America, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 00-0315.07

A. DRAWINGS

1. *Drawing No. 2, titled "Alpolic and Alpolic/FR Composite Wall Panel Systems", prepared by C. W. Stater, P.E., dated April 16, 1999, last revision #1 dated February 13, 2001, sheets 1 through 5 of 5, signed and sealed by C. W. Stater, P.E.*

B. TESTS

1. *Test report on **Small Missile Impact** Test, Cyclic Wind Pressure Test, and Uniform Static Air Pressure Test on Alpolic and Alpolic/FR Composite Wall Panel Systems, prepared by Architectural Testing Inc., Report No. 01-35789.02, dated 05/31/00, signed and sealed by Allen Reeves, P.E.*
2. *Test report on Ignition Properties, prepared by Southwest Research Institute, Report No. 01-8361-038, dated 10/28/96, signed by Betty J. Covey and Alex B. Wenzel.*
3. *Test report on Flame Spread Index and Smoke Developed Index, prepared by Southwest Research Institute, Report No. 01-7520-359a, dated 09/26/96, signed by Anthony L. Sauceda and Alex B. Wenzel.*

C. CALCULATIONS

1. *Calculations titled "Structural Calculations for Composite Panel System", pages 1 through 22 of 22, dated April 13, 2000, prepared by C. W. Stater, P.E., signed and sealed by C. W. Stater, P.E.*

D. MATERIAL CERTIFICATIONS

1. *Spec. Data issued by Alcoa Mill Products, dated November 08, 2000, with chemical composition and mechanical properties of Aluminum Alloy 3105-H14.*
2. *Tensile Test Report No 01-35789.03, prepared by Architectural Testing, dated July 07, 2000, signed and sealed by Allen N. Reeves, P.E.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #03-0130.06

A. DRAWINGS

1. *Drawing No. 1, titled " Alpolic and Alpolic/fr Composite Wall Panel Systems ", sheets 1 through 10 of 10, prepared by Mitsubishi Chemical America, Inc., signed and sealed by Christopher W. Stater, P.E., dated November 11, 2002.*

B. TESTS

1. *Test report on **Small Missile Impact** Test, Cyclic Wind Pressure Test, and Uniform Static Air Pressure Test on Alpolic and Alpolic/FR Composite Wall Panel Systems, prepared by Architectural Testing Inc., Report No. 01-43055.01, dated January 07, 2003, signed and sealed by Joseph A. Reed, P.E.*

Helmy A. Makar, P.E., M.S.
BNC, Product Control Unit Supervisor
NOA No. 11-0421.08
Expiration Date: 08/09/2012
Approval Date: 06/09/2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS
1. None.

D. MATERIAL CERTIFICATIONS
1. Tensile Test Report No 01-43055.02, prepared by Architectural Testing, dated March 04, 2003, signed and sealed by Joseph A. Reed, P.E.

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-0531.12

A. DRAWINGS
1. None.

B. TESTS
1. None.

C. CALCULATIONS
1. None.

D. QUALITY ASSURANCE
1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS
1. None.

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0923.05

A. DRAWINGS
1. Drawing No. 1, titled " Alpolic and Alpolic/fr Composite Wall Panel Systems ", sheets 1 through 10 of 10, prepared by Mitsubishi Chemical America, Inc., dated 11/11/02, last revision #1 dated 09/01/09, signed and sealed by Robert A. Walz, P.E.

B. TESTS
1. None.

C. CALCULATIONS
1. None.

D. QUALITY ASSURANCE
1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS
1. None.

Helmy A. Makar, P.E., M.S.
BNC, Product Control Unit Supervisor
NOA No. 11-0421.08
Expiration Date: 08/09/2012
Approval Date: 06/09/2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building and Neighborhood Compliance Department.

E. MATERIAL CERTIFICATIONS

1. None.

Helmy A. Makar, P.E., M.S.
BNC, Product Control Unit Supervisor
NOA No. 11-0421.08
Expiration Date: 08/09/2012
Approval Date: 06/09/2011

ALPOLIC and ALPOLIC/FR (FIRE RATED) COMPOSITE WALL PANEL SYSTEMS FOR FLORIDA BUILDING CODE SMALL MISSILE IMPACT

GENERAL NOTES

1. THESE ALPOLIC AND ALPOLIC/FR COMPOSITE PANELS SHALL BE USED FOR WALL CONSTRUCTION, SOFITS, AND OTHER EXTERIOR DETAILS WHOSE REQUIREMENTS FOR POSITIVE AND NEGATIVE PRESSURES ARE WITHIN THEN VALUES STATED IN NOTE 2 OF THIS DRAWING. EACH ACTUAL WALL PROJECT SHALL BE CONSTRUCTED USING THE DETAILS SHOWN ON THESE DRAWINGS AS MINIMUM REQUIRED SPECIFICATIONS
2. THE WALL DESIGN ALLOWABLE PRESSURES FOR THESE WALL PANEL SYSTEMS ARE + 70 PSF/ -90 PSF.
3. THESE ALPOLIC and APLOLIC/fr COMPOSITE WALL PANEL SYSTEMS ARE TESTED IN ACCORDANCE WITH THE FOLLOWING PROTOCOLS:
   TAS-201-94, IMPACT TEST, SMALL MISSILE
   TAS-202-94, UNIFORM STATIC AIR PRESSURE TEST
   TAS-203-94, CYCLIC WIND PRESSURE TEST
   AND THEY SHALL BE INSTALLED AS SHOWN IN THESE APPROVED DRAWINGS.

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No 11-0421.08
Expiration Date 08/09/2012
By Helen A. Miller
Miami Dade Product Control

MATERIAL SPECIFICATIONS:

ALUMINUM EXTRUSIONS

1. MATERIAL: M2, F2, A2, HS, and HR ARE EXTRUDED ALUMINUM ALLOY 6063 WITH A T6 TEMPER. (By Kistler McDougall)
2. MATERIAL: CAY-1009 TEE, CAY-1010 FEMALE, CAY-1011 MALE, CAY-1012 STIFFENER AND CAY-1013 RETAINER ARE EXTRUDED ALUMINUM ALLOY 6063 WITH A T6 TEMPER (By CAY ARCHITECTURAL PRODUCTS)
3. FINISH: MILL FINISH

COMPOSITE PANEL

1. ALPOLIC ALUMINUM COMPOSITE METAL PANEL 4MM THICK (0.157") AND 6MM THICK (0.236") AS MANUFACTURED BY MITSUBISHI CHEMICAL AMERICA, INC., CHESAPEAKE, VA
2. ALPOLIC/fr (FIRE RATED) ALUMINUM COMPOSITE METAL PANEL 4MM THICK (0.157") AS MANUFACTURED BY MITSUBISHI CHEMICAL FUNCTIONAL PRODUCTS, INC., UEDA, JAPAN
3. CORE: THERMOPLASTIC MATERIAL WHICH IN COMPOSITE ASSEMBLY MEETS PERFORMANCE CHARACTERISTICS SPECIFIED.
4. FACE SHEET: 0.020" ALUMINUM 3105-H14 ALLOY
5. FINISH: LUMIFLON-BASE FLUROPOLYMER RESIN COATING.
6. MAXIMUM DIMENSIONS: 62" WIDE X 288" LONG
7. TECHNICAL DATA

DESCRIPTION	TEST	4MM ALPOLIC	4MM ALPOLIC/fr	6MM ALPOLIC
SPECIFIC GRAVITY		1.38	1.90	1.23
WEIGHT		1.12 LB/SQ.FT	1.56 LB/SQ.FT	1.50 LB/SQ.FT
TENSILE STRENGTH	ASTM E-8	7452 PSI	5693 PSI	5399 PSI
YIELD STRENGTH	ASTM E-8	NDY	NDY	NDY
ELONGATION	ASTM E-8	16%	8%	13%
PUNCHING SHEAR RESISTANCE (1"DIA.)	ASTM D-732	4025 PSI	4637 PSI	2816 PSI
PUNCHING SHEAR MAX LOAD	ASTM D-732	1920 PSI	2259 PSI	2121 LBS
BOND INTEGRITY VERTICAL PULL	ASTM C-297	1806 PSI	427 PSI	1664 PSI
DRUM PEEL	ASTM D-1781-76	33.6 IN-LB/IN	27.6 IN-LB/IN	33.6 IN-LB/IN
FLATWISE SHEAR	ASTM C-273	1225 PSI	949 PSI	1195 PSI
RATE OF BURNING	ASTM D-635	CC1	--	--
FLAME SPREAD INDEX	ASTM E-84	00	00	00
SMOKE DEVELOPED INDEX	ASTM E-84	00	10	10
SELF IGNITION TEMPERATURE	ASTM D-1929	752°F	837°F	752°F
FLASH IGNITION TEMPERATURE	ASTM D-1929	716°F	811°F	716°F
SURFACE FLAMMABILITY	ASTM E-108-88	PASSED	PASSED	PASSED
SOUND TRANSMISSION	ASTM E-413	STC-26	--	STC-26

FRAMING & ACCESSORIES

1. STEEL STUDS AND TRACKS: 16 GA. MIN. GALVANIZED STEEL WITH MIN. PROPERTIES OF 50 KSI YIELD, 65 KSI ULTIMATE.
2. STUD & TRACK FASTENERS: #12 x 1-1/2" HEX WASHER HEAD TRAXX 3 BUILDEX SCREW.
3. PANEL FASTENERS: #10 x 1" HEX WASHER HEAD TEK SCREWS SPACED AT 16" O.C.
4. STIFFENER FASTENERS: #10 x 1" HEX WASHER HEAD TEK SCREWS.
5. JOINT SILICONE: DOW CORNING #795 SILICONE SEALANT.
6. STRUCTURAL SILICONE: DOW CORNING #1199 SILICONE SEALANT.
7. BACKER ROD: 3/4" DIA. DENVER FOAM OPEN CELL BACKER ROD.
8. THE STRUCTURAL ADEQUACY OF THE 16 GA. GALVANIZED STEEL STUDS AND THE REST OF THE STRUCTURAL FRAMING SUPPORTING THE METAL PANELS IS NOT PART OF THIS PRODUCT CONTROL APPROVAL AND IT SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 09-0923.05
Expiration Date 08/09/2011
By Helen A. Miller
Miami Dade Product Control Division

Robert D. Hall 9-14-09

REV.	BY	DATE	CHANGE
1	TH	9/01/09	SEA NOTE 1 WAS "FOR WALL CONSTRUCTION ONLY"

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ± 1/32 DECIMALS XX ± .01 XXX ± .005 ANGLES ± 1/2
MATERIAL
FINISH
DO NOT SCALE DRAWING

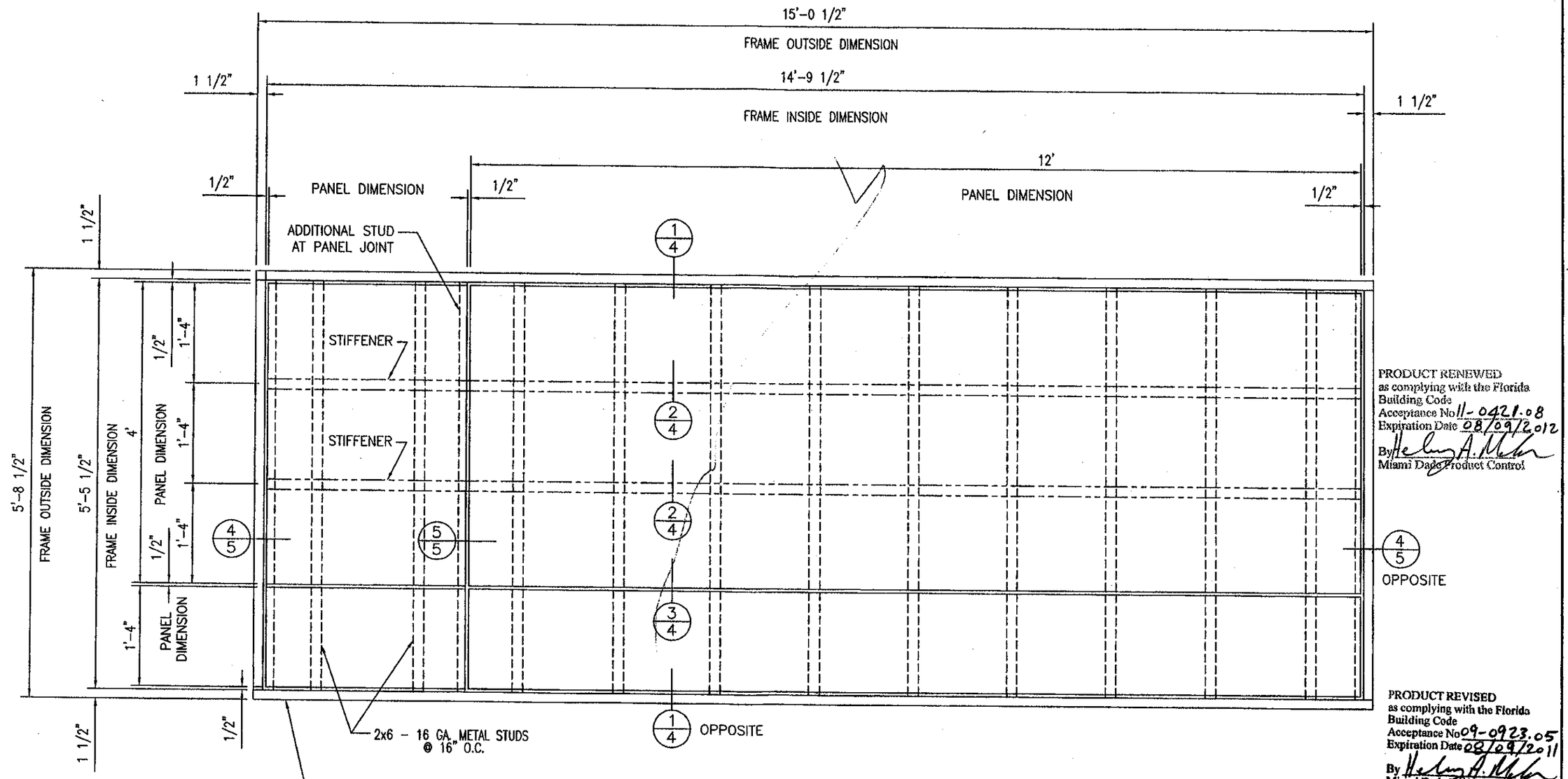
CONTRACT NO.

APPROVALS	DATE
DRAWN	
ENGINEERING MS	11/11/02
PROJ MGMT	
PRODUCTION	

MITSUBISHI CHEMICAL AMERICA, INC.

ALPOLIC and ALPOLIC/fr
COMPOSITE WALL PANEL SYSTEMS

SIZE B | CAGE CODE | DWG NO. 1 | REV 1
SCALE | SHEET 1 OF 10



THE WOOD BUCK FRAME DETAILED IN THIS DRAWING IS FOR TEST PURPOSES ONLY AND IS NOT INTENDED AS A RECOMMENDATION FOR ACTUAL CONSTRUCTION.

PANEL ELEVATION

3/4" = 1'-0"

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 11-0421.08
Expiration Date 08/09/2012
By Helen A. Miller
Miami Dade Product Control

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:
FRACTIONS ± 1/32 | DECIMALS .XX ± .01, .XXX ± .005 | ANGLES ± 1/2°

MATERIAL: 4MM & 6MM ALPOLIC & 4MM ALPOLIC/fr
FINISH
DO NOT SCALE DRAWING

CONTRACT NO. 9-14-09

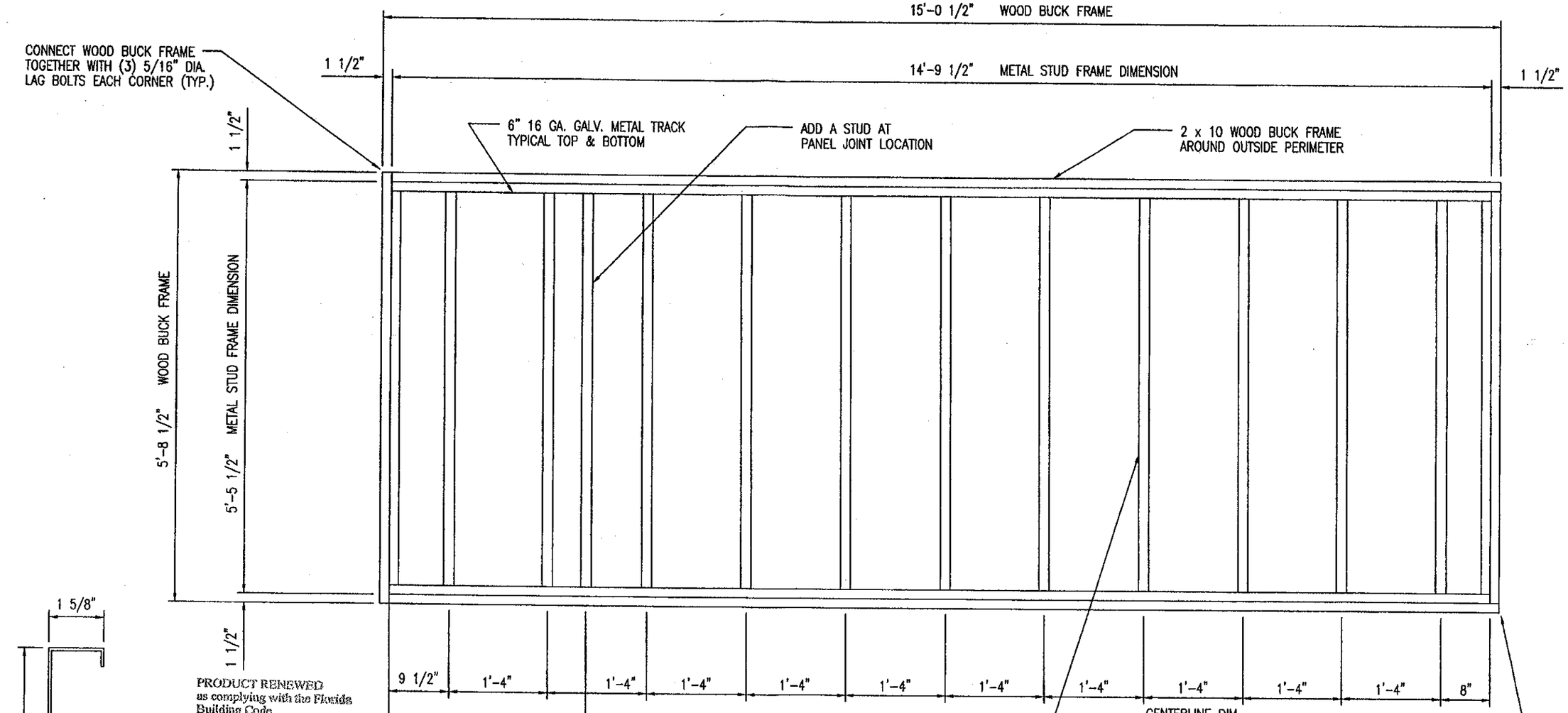
APPROVALS	DATE
DRAWN	
ENGINEERING MS	11/11/02
PROJ MGMT	
PRODUCTION	

Kistler McDougall

MITSUBISHI CHEMICAL AMERICA, INC.

ALPOLIC and ALPOLIC/fr
COMPOSITE WALL PANEL SYSTEMS

SIZE B | CAGE CODE | DWG NO. 1 | REV 1
SCALE SHOWN | SHEET 2 OF 10



PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 11-0421.08
Expiration Date 08/09/2012
By Helen A. Martin
Miami Dade Product Control

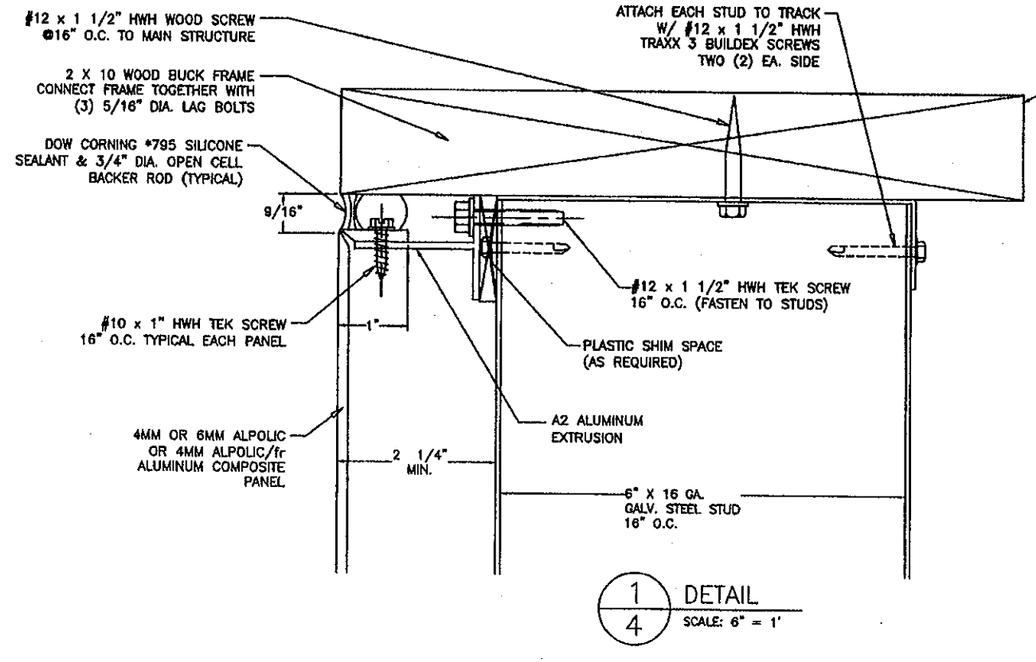
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 09-0923.05
Expiration Date 08/09/2011
By Helen A. Martin
Miami Dade Product Control Division

STUD FRAMING ELEVATION

3/4" = 1'-0"

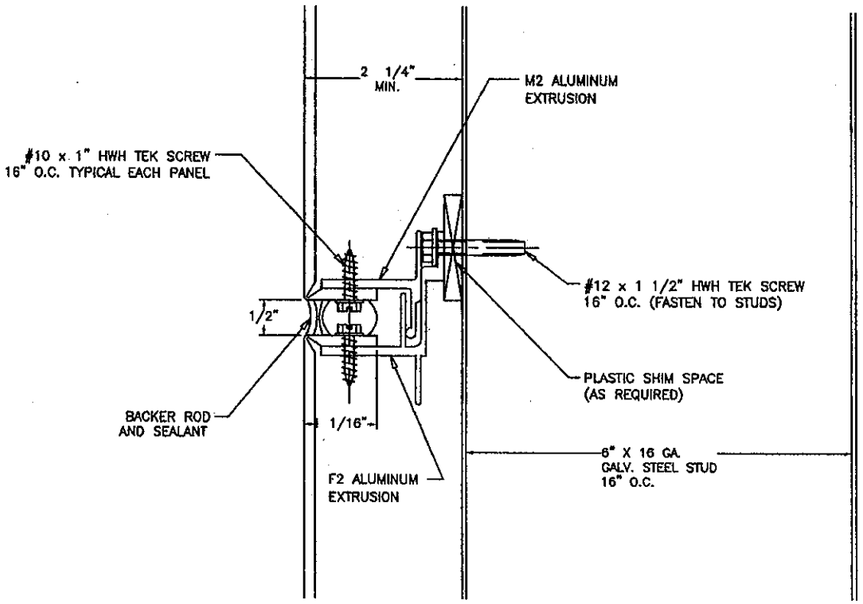
Robert A. Wall 9-14-09

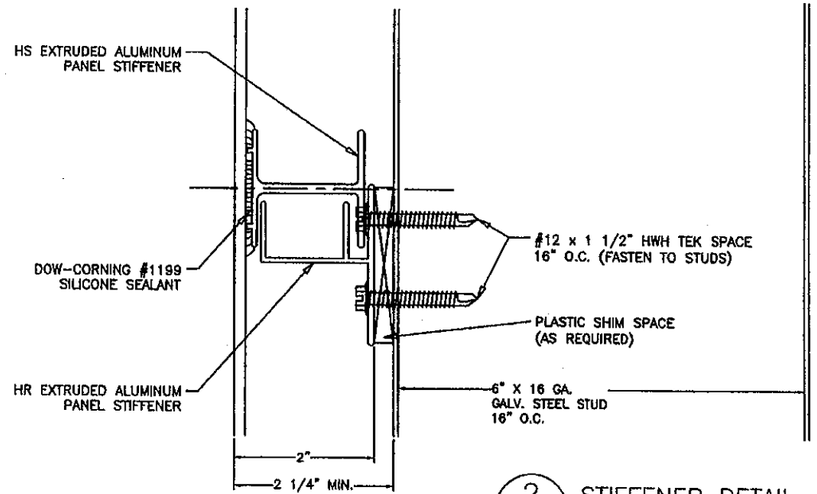
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± 1/32 DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1/2	CONTRACT NO.		Kistler McDougall
	APPROVALS	DATE	MITSUBISHI CHEMICAL AMERICA, INC.
MATERIAL 4MM & 6MM ALPOLIC & 4MM ALPOLIC/fr	DRAWN		ALPOLIC and ALPOLIC/fr COMPOSITE WALL PANEL SYSTEM
FINISH	ENGINEERING MS	11/11/02	
	PROJ MGMT		SIZE B CAGE CODE DWG NO. 1
DO NOT SCALE DRAWING	PRODUCTION		SCALE SHOWN SHEET 3 OF



THE WOOD BUCK FRAME DETAILED IN THIS DRAWING IS FOR TEST PURPOSES ONLY AND IS NOT INTENDED AS A RECOMMENDATION FOR ACTUAL CONSTRUCTION.

1/4 DETAIL
SCALE: 6" = 1'





2/4 STIFFENER DETAIL
SCALE: 6" = 1'

3/4 JOINT DETAIL
SCALE: 6" = 1'

PRODUCT RENEWED
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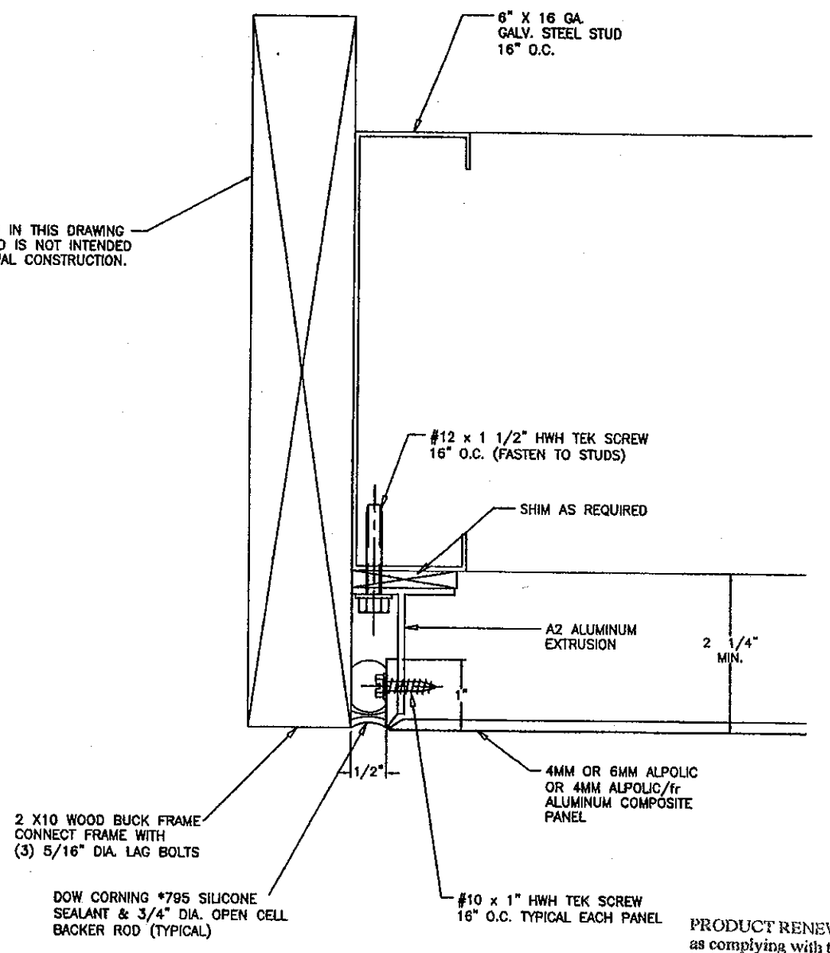
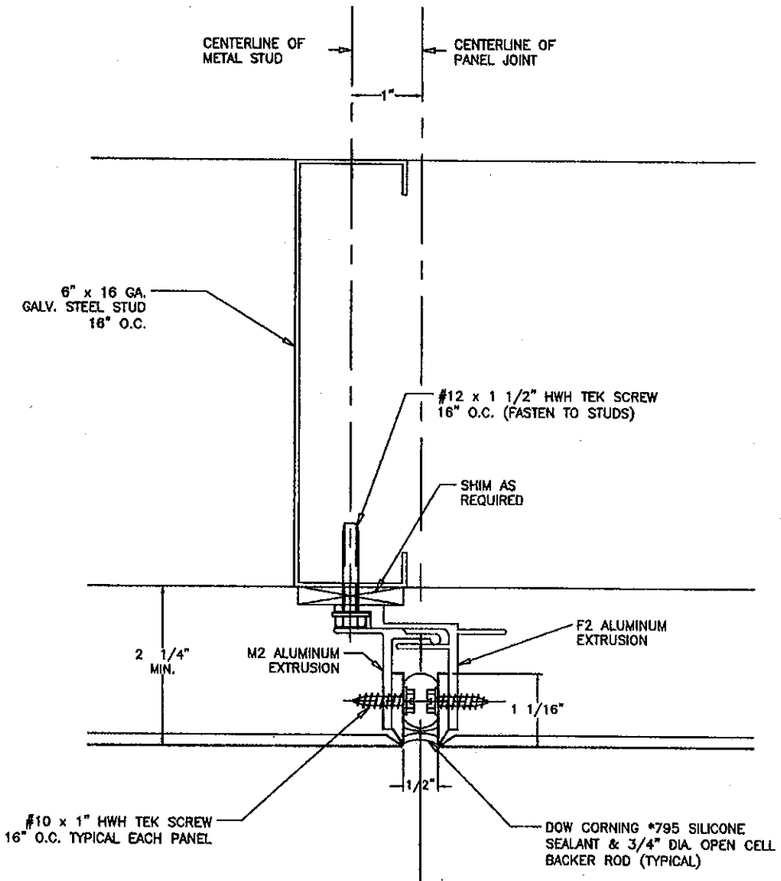
Miami Dade Product Control Division

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± 1/32 DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1/2	CONTRACT NO. 9-1409	Kistler McDougall
MATERIAL 4MM & 6MM ALPOLIC & 4MM ALPOLIC/fr	APPROVALS / DRAWN	MITSUBISHI CHEMICAL AMERICA, INC.
FINISH	ENGINEERING MS 11/11/02	ALPOLIC and ALPOLIC/fr COMPOSITE WALL PANEL SYSTEMS
DO NOT SCALE DRAWING	FIELD MGMT / PRODUCTION	SIZE B; CAGE CODE; DWG NO. 1; REV 1; SCALE SHOWN; SHEET 4 OF 10



4/5 DETAIL
SCALE: 6" = 1'

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 11-0421.08
Expiration Date 08/09/2012
By Helen A. Maher
Miami Dade Product Control



PRODUCT REVISED
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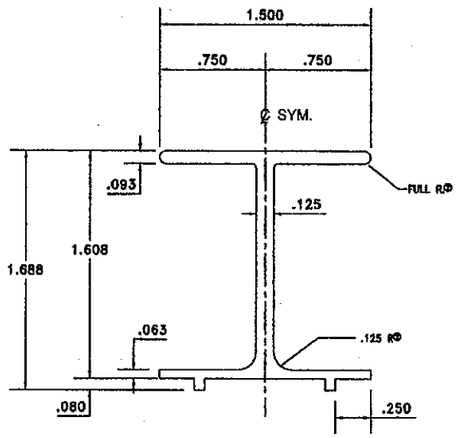
Acceptance No 09-0923.05
Expiration Date 08/09/2011
By Helen A. Maher
Miami Dade Product Control
Division

5/5 DETAIL
SCALE: 6" = 1'

Robert C. Wall

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± 1/32 DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1/2	CONTRACT NO. 9-14-09	Kistler McDougall
	APPROVALS / DATE	MITSUBISHI CHEMICAL AMERICA, INC.
MATERIAL 4MM & 6MM ALPOLIC & 4MM ALPOLIC/fr	DRAWN	ALPOLIC and ALPOLIC/fr COMPOSITE WALL PANEL SYSTEMS
FINISH	ENGINEERING MS 11/11/02	
DO NOT SCALE DRAWING	PROJ MGMT	SIZE B / CAGE CODE / DWG NO. 1 / REV 1
	PRODUCTION	SCALE SHOWN / SHEET 5 OF 10

HS



BREAK CORNERS .015 R

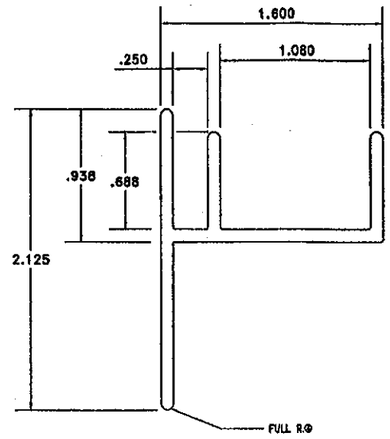
EXCEPT AS NOTED

ACTUAL SIZE

DIE DATA

EST. AREA: .430 DIE SIZE: 6
EST. WEIGHT: .516 NO. HOLES: 1
EST. PERI.: EXT. LENGTH: 5 1/8" = 1 @ 35'
FACTOR: R/R:

HR



BREAK CORNERS .015 R

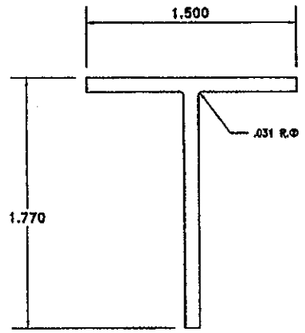
.090 TYPICAL METAL THICKNESS

ACTUAL SIZE

DIE DATA

EST. AREA: .465 DIE SIZE: 6
EST. WEIGHT: .558 NO. HOLES: 1
EST. PERI.: EXT. LENGTH: 5 1/8 = 1 @ 36'
FACTOR: R/R

A2



BREAK CORNERS .010 R

.100 WALL THICK TYPICAL

ACTUAL SIZE

PRODUCT RENEWED
as complying with the Florida
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PRODUCT REVISED
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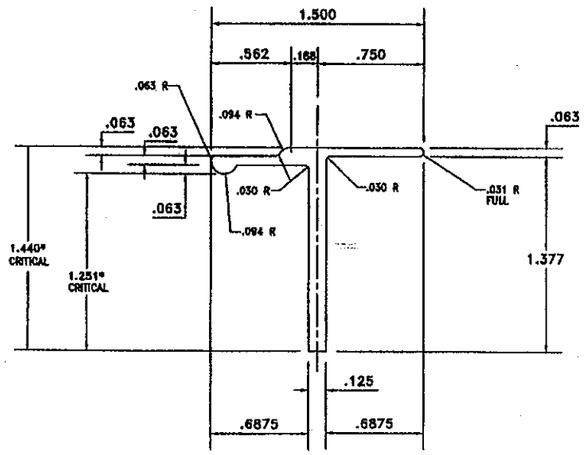
DIE DATA

EST. AREA: .317 DIE SIZE: 6
EST. WEIGHT: .380 NO. HOLES: 1
EST. PERI.: 6.54 EXT. LENGTH:
FACTOR: 1/1 R/R: 5 1/8 = 1 @ 53'

Kistler McDougall

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± 1/32 DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1/2	CONTRACT NO. 9-4-09		MITSUBISHI CHEMICAL AMERICA, INC.
MATERIAL 4MM & 6MM ALPOLIC & 4MM ALPOLIC/fr	APPROVALS	DATE	ALPOLIC and ALPOLIC/fr COMPOSITE WALL PANEL SYSTEMS
FINISH	DRAWN		
	ENGINEERING MS:	11/11/02	
DO NOT SCALE DRAWING	PROJ. MGMT		SIZE B / CAGE CODE / DWG NO. 1 / REV 0
	PRODUCTION		SCALE / SHEET 6 OF 10

M2



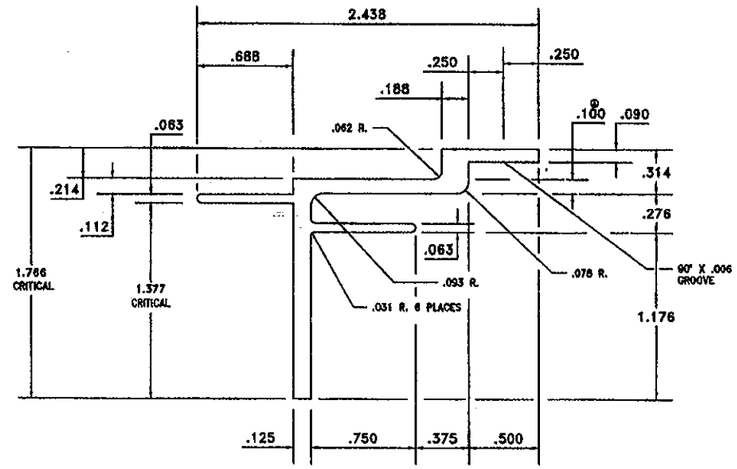
ACTUAL SIZE

BREAK SHARP CORNERS .005 R

DIE DATA

EST. AREA: .275	DIE SIZE: 6
EST. WEIGHT: .330	NO. HOLES: 1
EST. PERI.: 5.831	EXT. LENGTH: 4 1/2 = 1- 46'
FACTOR: 18	R/R: 5 1/8" = 1- 62'

F2



ACTUAL SIZE

BREAK SHARP CORNERS .010R

PRODUCT RENEWED
as complying with the Florida Building Code
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By Helen A. Martin
Miami Dade Product Control

PRODUCT REVISED
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By Helen A. Martin
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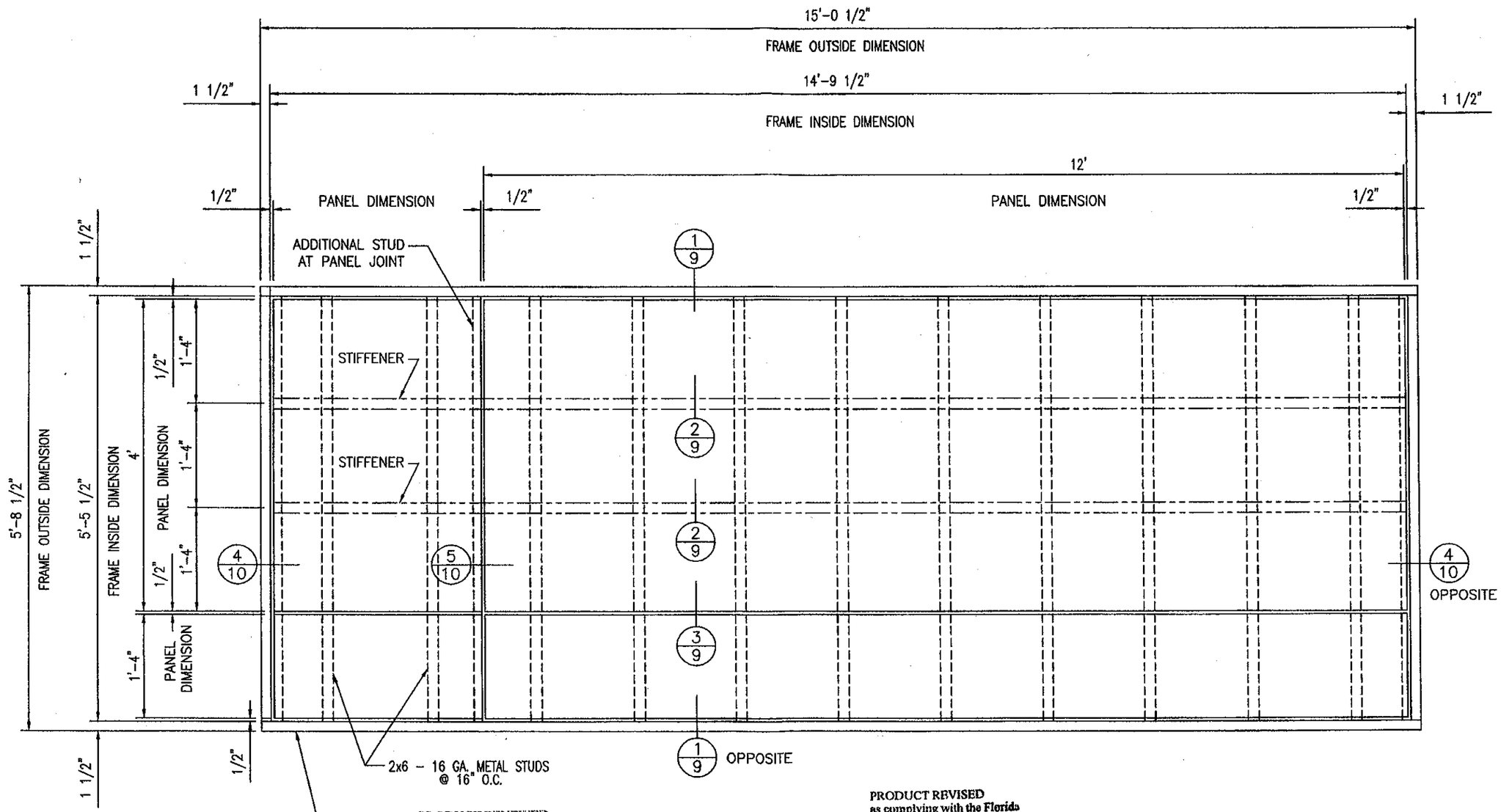
Division

DIE DATA

EST. AREA: .484	DIE SIZE: 6
EST. WEIGHT: .581	NO. HOLES: 1
EST. PERI.: 9.900	EXT. LENGTH: 5 1/8 = 1-034'
FACTOR: 17	R/R

Robert A. Wall

UNLESS OTHERWISE EXPRESSED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± 1/32 DECIMALS .XX ± .01 ± 1/2 .XXX ± .005 ANGLES	CONTRACT NO. 9-14-09	Kistler McDougall
	APPROVALS / DATE	MITSUBISHI CHEMICAL AMERICA, INC.
MATERIAL 4MM & 6MM ALPOLIC & 4MM ALPOLIC/fr	DRAWN	ALPOLIC and ALPOLIC/fr COMPOSITE WALL PANEL SYSTEMS
FINISH	ENGINEERING MS 11/11/02	
DO NOT SCALE DRAWING	PROGRAM	SIZE B CAGE CODE DWG NO. 1 REV 0
	PRODUCTION	SCALE SHEET 7 OF 10



THE WOOD BUCK FRAME DETAILED IN THIS DRAWING IS FOR TEST PURPOSES ONLY AND IS NOT INTENDED AS A RECOMMENDATION FOR ACTUAL CONSTRUCTION.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 11-0421.08
Expiration Date 08/09/2012
By Helen H. Mederos
Miami Dade Product Control

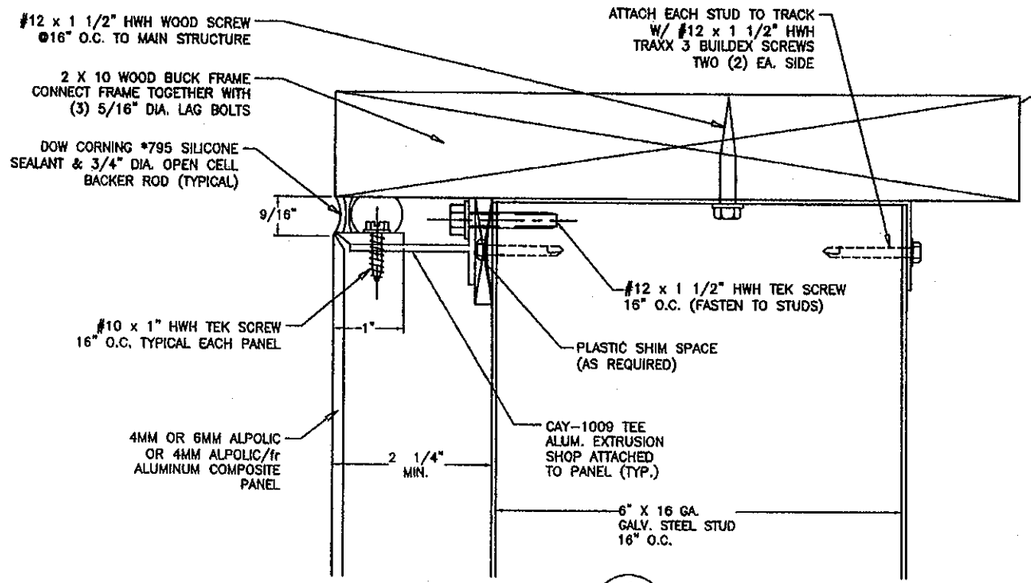
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 09-0923.05
Expiration Date 08/09/2011
By Helen H. Mederos
Miami Dade Product Control Division

PANEL ELEVATION

3/4" = 1'-0"

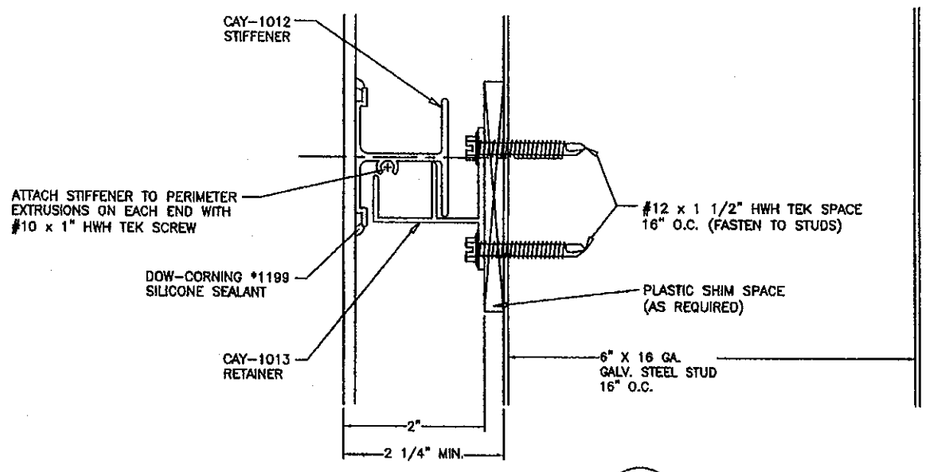
Robert A. Wall

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± 1/32 DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1/2	CONTRACT NO. 9-14-09		CAY ARCHITECTURAL PRODUCTS
	APPROVALS	DATE	MITSUBISHI CHEMICAL AMERICA, INC
MATERIAL 4MM & 6MM ALPOLIC & 4MM ALPOLIC/fr	DRAWN		ALPOLIC and ALPOLIC/fr COMPOSITE WALL PANEL SYSTEM
FINISH	ENGINEERING MS	11/11/02	
	PROJ MGMT		SIZE B CAGE CODE DWG NO. 1
DO NOT SCALE DRAWING	PRODUCTION		SCALE SHOWN SHEET 8 OF

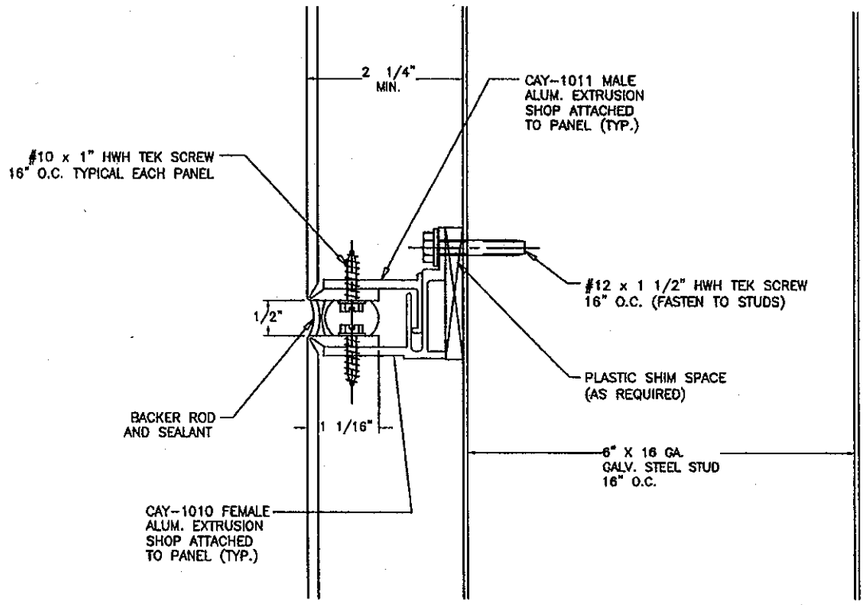


1/9 DETAIL
SCALE: 6" = 1'

THE WOOD BUCK FRAME DETAILED IN THIS DRAWING IS FOR TEST PURPOSES ONLY AND IS NOT INTENDED AS A RECOMMENDATION FOR ACTUAL CONSTRUCTION.



2/9 STIFFENER DETAIL
SCALE: 6" = 1'



3/9 JOINT DETAIL
SCALE: 6" = 1'

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By
Miami Dade Product Control

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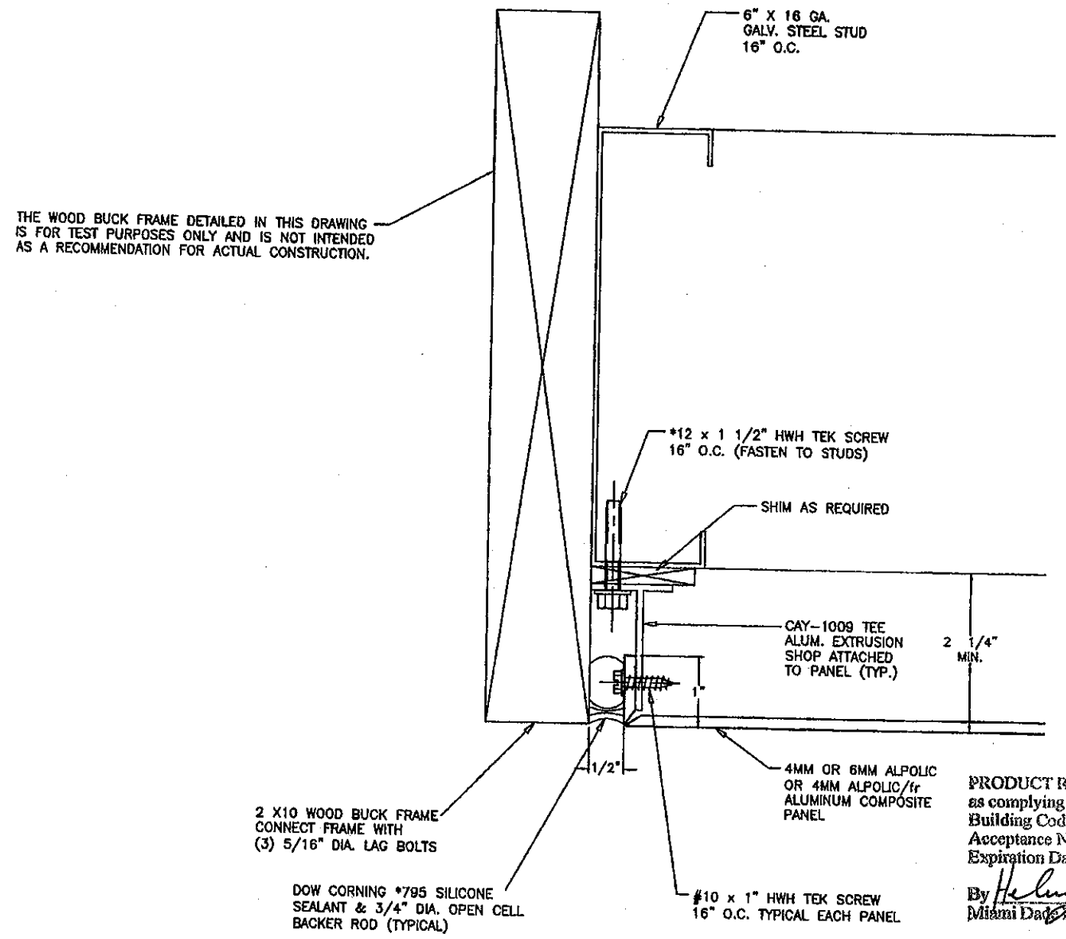
By
Miami Dade Product Control Division

CAY ARCHITECTURAL PRODUCTS			
MITSUBISHI CHEMICAL AMERICA, INC.			
ALPOLIC and ALPOLIC/fr COMPOSITE WALL PANEL SYSTEMS			
DO NOT SCALE DRAWING	CONTRACT NO. 9-14-08		
MATERIAL 4MM & 6MM ALPOLIC & 4MM ALPOLIC/fr	APPROVALS	DATE	
FINISH	DRAWN		
	ENGINEERING MS	11/11/02	
	PROJ MGMT		
	PRODUCTION		
SIZE B	CAGE CODE	DWG NO. 1	REV 1
SCALE SHOWN		SHEET 9 OF 10	



4/10 DETAIL
SCALE: 6" = 1'

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 11-0421.08
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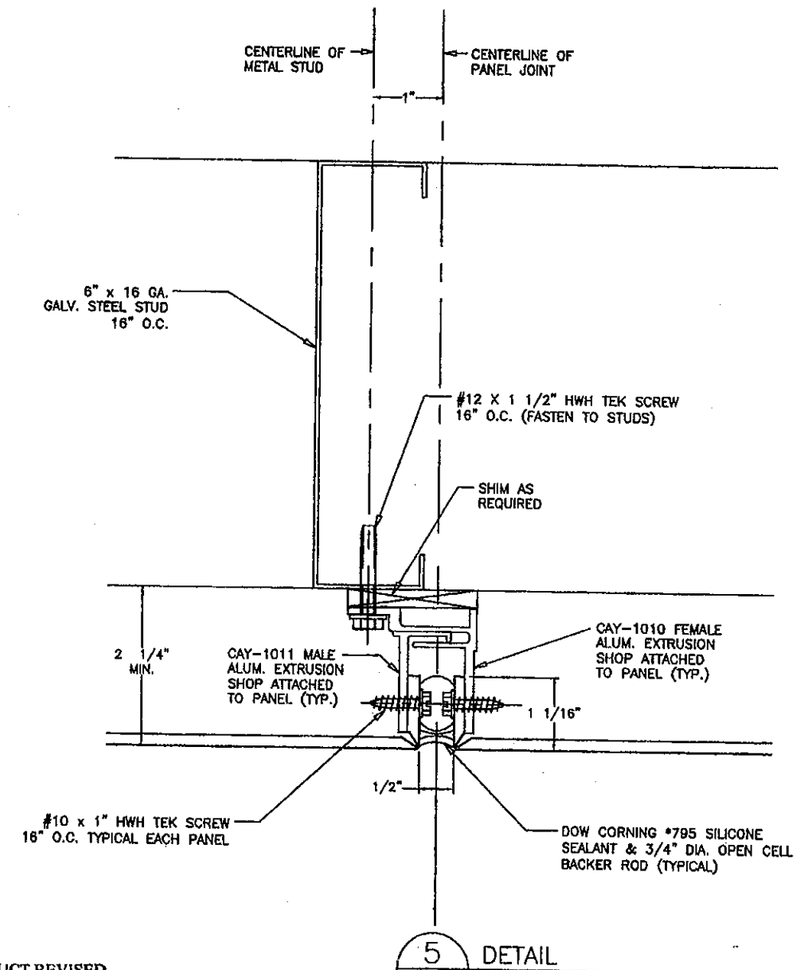
Miami Dade Product Control



5/10 DETAIL
SCALE: 6" = 1'

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0923.05
Expiration Date 08/09/2011
By
Miami Dade Product Control
Division

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± 1/32 DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1/2	CONTRACT NO.	9-14-01	CAY ARCHITECTURAL PRODUCTS
MATERIAL 4MM & 6MM ALPOLIC & 4MM ALPOLIC/fr	APPROVALS	DATE	MITSUBISHI CHEMICAL AMERICA, INC.
FINISH	DRAWN		ALPOLIC and ALPOLIC/fr COMPOSITE WALL PANEL SYSTEMS
DO NOT SCALE DRAWING	ENGINEERING	MS 11/11/02	
	PROJ. MGMT		SIZE B CAGE CODE DWG NO. 1 REV 1
	PRODUCTION		SCALE SHOWN SHEET 10 OF 10