



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Benchmark Architectural Systems, Inc.
720 Marion Road
Columbus, OH 42307

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Designwall 2000 Wall Panel System

APPROVAL DOCUMENT: Engineering Report No. **C08-336DW2000**, titled "Designwall 2000 Series Wall Panel System", sheets 1 through 18 of 18, dated 01/16/09, prepared by C-Buck Engineering, signed and sealed by James L. Buckner, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and 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 consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



Handwritten signature and date: 4/27/09

NOA No. 09-0312.09
Expiration Date: May 20, 2014
Approval Date: May 20, 2009
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Engineering Report No. **C08-336DW2000**, titled "Designwall 2000 Series Wall Panel System", sheets 1 through 18 of 18, dated 01/16/09, prepared by C-Buck Engineering, signed and sealed by James L. Buckner, P.E.

B. TESTS

1. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Designwall 2000 Insulated Exterior Wall Panels, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. **T101-08**, dated 01/04/08, signed and sealed by Daniel G. Farabaugh, P.E.
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Designwall 2000 Insulated Exterior Wall Panels, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. **T208-08**, dated 06/25/08, signed and sealed by Daniel G. Farabaugh, P.E.
3. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Tensile Test per ASTM E8
along with marked-up drawings and installation diagram of Designwall 2000 Insulated Exterior Wall Panels, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. **T227-08**, dated 07/25/08, signed and sealed by Daniel G. Farabaugh, P.E.

C. CALCULATIONS

1. Engineering analysis and calculations, prepared by C-Buck Engineering, dated 03/06/09, signed and sealed by James L. Buckner, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).



4/27/09

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 09-0312.09
Expiration Date: May 20, 2014
Approval Date: May 20, 2009

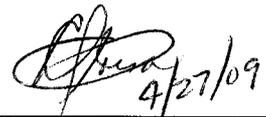
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E. MATERIAL CERTIFICATIONS

1. Test report on Ignition Properties per ASTM D1929 and Surface Burning Characteristics per ASTM E84 of Designwall 2000 Insulated Panels, prepared by FM Approvals, Project ID **3024743**, dated 06/12/06, signed by R. P. Ferron, P.E.

F. STATEMENTS

1. Statement letter of code conformance issued by C-Buck Engineering, dated 09/25/08, signed and sealed by James L. Buckner, P.E.
2. Statement letter of no financial interest issued by C-Buck Engineering, dated 09/25/08, signed and sealed by James L. Buckner, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 09-0312.09
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Engineering Report & Drawings
of
BENCHMARK
Designwall 2000 Series Wall Panel System
Wall Assembly
for
Miami-Dade Notice of Acceptance

Category: Panels
Sub - Category: Wall

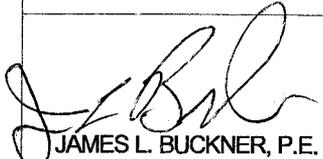
Product: Designwall 2000 Series Wall Panel System
Face & Liner Material: Steel
Core Material: Foam
Panel Thickness: 2 in. & 3 in.

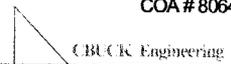
Prepared by:
James L. Buckner, P.E.
Florida Professional Engineer # 31242
Project Manager: Youry Demosthenes
Report No.: 08-336DW2000Series
Date: 1 / 16 / 09

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 Miami Dade Product Control
 Division
 By 


 JAMES L. BUCKNER, P.E.
 FLORIDA P.E. # 31242
3/6/09

TITLE: ENGINEERING REPORT		
COA # 8064	MANUFACTURER:	DATE: 01/16/09
	BENCHMARK ARCHITECTURAL SYSTEMS, INC.	PAGE #: 1 OF 18
CBUCK ENGINEERING 1334 S KILLIAN DR, SUITE 4 WEST PALM BEACH, FL 33403 PH: (561) 491-9927 WWW.CBUCKINC.NET		PROJECT # C08-336
		DRAWN BY
		REV:

1.0 Product:

- 1.1 **Manufacturer:** Benchmark Architectural Systems, Inc.
- 1.2 **Product Name:** Designwall 2000 Series Wall Panel System
- 1.3 **Category:** Panels
- 1.4 **Subcategory:** Wall

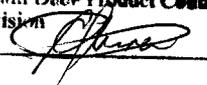
2.0 Evaluation Scope:

2.1 Evaluation Criteria:

- 2.1.1 Florida Building Code (FBC) 2007
- 2.1.2 Code Section: High Velocity Hurricane Zone (HVHZ)
- 2.1.3 Miami-Dade Building Code Compliance Office (BCCO) Checklist

2.2 Properties Evaluated:

- 2.2.1 Wind Resistance Properties
 - 2.2.1.1 Air Infiltration
 - 2.2.1.2 Uniform Static Air Pressure
 - 2.2.1.3 Water Resistance
 - 2.2.1.4 Large Missile Impact
 - 2.2.1.5 Cyclic Wind Pressure
- 2.2.2 Fire and Flame Properties
 - 2.2.2.1 Flame Spread Index
 - 2.2.2.2 Smoke Developed Index
 - 2.2.2.3 Spontaneous Ignition Temperature
 - 2.2.2.4 Flash Ignition Temperature

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2.3 Limits of Evaluation:

This product is limited to compliance with the criteria in section 2.1 and properties in section 2.2 of this report.

3.0 Evaluated Uses:

Designwall 2000 Series panels are steel face and foam core used as nonbearing exterior wall panels.

4.0 Assembly Description:

4.1 General:

The Designwall 2000 Series panel systems are factory assembled sandwich panels with metal facings and a foam plastic core. These panels are applied horizontally. The panels have a tongue in groove interlocking edge. The panels are anchored to supports with clips and screws.

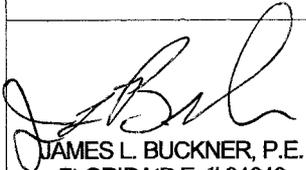
4.2 Panel Dimensions:

- 4.2.1 Length: 1 ft. - 30 ft.
- 4.2.2 Width: 24 in. & 30 in.
- 4.2.3 Thickness: 2 in. & 3 in.

5.0 Support:

The Support assembly is designed by others and shall have the following minimum Characteristics:

- 5.1 Type: Vertical Studs
- 5.2 Material: Steel
- 5.3 Thickness: 16 Ga. (0.062 in)
- 5.4 Spacing: 16 in. o.c. Maximum


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6.2 Panel Module 30 in. Wide x 2 in to 3 in Thick

6.2.1 Wind Resistance:

Design Pressure	Positive	+ 56 psf
	Negative	- 56 psf

Based on: a) Vertical Studs spaced 16 in. o.c.
b) Clip located at each horizontal joint at each vertical stud

6.2.2 Air Infiltration:

Standard	TAS 202
Results:	Passed

6.2.3 Water Infiltration:

Standard:	TAS 202
Results:	Passed

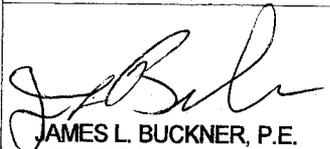
6.2.4 Impact Rating:

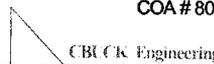
Large Missile Impact:
Standard: TAS 201
Results Passed

6.2.5 Fire Classification:

Standard:	ASTM D1929
Self Ignition Temperature:	Required > 650° F Tested 896° F
Standard:	ASTM E 84
Flame Spread Index:	Required < 75 Tested 25
Smoke Developed Index:	Required < 450 Tested 130

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7.0 Installation:

Each panel shall be fastened at the horizontal joints to the vertical supports with one concealed fastening clip #8100-4200 (per section 12.3) and one #14 fastener (per section 12.9).
 All fasteners shall penetrate the steel support by ¼ in minimum.
 Refer to Drawings on pages 6 through 15 of this report for supplemental installation guide.

8.0 Limitations of Use:

- 8.1 The panel supports shall be 16 gauge minimum.
- 8.2 Maximum support spacing shall not be exceeded.
- 8.3 The panels shall be supported by structural framing members complying with the Miami-Dade (Florida High velocity zone) code.
- 8.4 Panel shall not be used as axial load bearing components and shall not be intended / designed to act as a diaphragm.

9.0 Code Compliance

- 9.1 Product meets the High Velocity Hurricane Zone (HVHZ) Requirements of the Florida Building Code (FBC) 2007 for the properties evaluated.

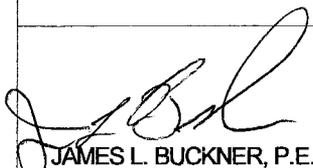
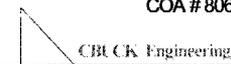
10.0 Identification:

- 10.1 Each Panel shall bear a permanent label with the manufacturer’s name or logo, manufacturing plant’s city, state and the statement reading “Miami-Dade County Product Control Approved” is to be located on each panel.

11.0 Reference Data:

- 11.1 TAS 201 & 203, Large Missile Impact Test & Cyclic Wind Pressure Loading, respectively
 For: Designwall 2000, Panel Module 24 in.
 By: Farabaugh Engineering and Testing, Inc.
 Report No.: T101-08 Dated: 1/4/08
- 11.2 TAS 202, Air Infiltration Test, Uniform Static Air Pressure Test & Water Resistant Test.
 For: Designwall 2000, Panel Module 24 in.
 By: Farabaugh Engineering and Testing, Inc.
 Report No.: T227-08 Dated: 7/25/08
- 11.3 TAS 201, 202 & 203, Large Missile Impact Test, Air Infiltration Test, Uniform Static Air Pressure Test & Water Resistant Test. & Cyclic Wind Pressure Loading, respectively.
 For: Designwall 2000, Panel Module 30 in.
 By: Farabaugh Engineering and Testing, Inc.
 Report No.: T101-08 Dated: 1/4/08
- 11.4 ASTM D1929 & ASTM E 84, Self-Ignition Temperature & Flame Spread Index /Smoke Density
 For: Designwall 2000, 3” Thick Panel
 By: Factory Mutual
 Project ID.: 3024743 Dated: 6/12/06

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12.0 Product Components:

12.1 Panel Core

The Core is a Laminated Polyisocyanurate rigid foam insulation

12.1.1 Density of Foam: 2.0 pcf

12.2 Panel Face and Liner:

The panel has a steel face and liner. The panel liners are available in various finishes.

12.2.1 Material: Steel
12.2.2 Yield Strength: 33 ksi
12.2.3 Corrosion Resistance: Galvanized G90 or Galvalume
12.2.4 Material Standard: ASTM A653 or ASTM A792 respectively
12.2.5 Thickness: 22 Gauge

12.3 Concealed Fastening Clip:

This is the standard clip used between panels to secure the panel to the steel support

12.3.1 Part Number: 8100.4200
12.3.2 Material: Steel
12.3.3 Thickness: 16 Gauge
12.3.4 Yield Strength: 150 ksi
12.3.5 Corrosion Resistance: Zinc Plated

12.4 Starter Clip:

This is the standard clip used to secure the base of the bottom panel to the steel support

12.4.1 Part Number: 8100.1000
12.4.2 Material: Steel
12.4.3 Thickness: 12 Gauge
12.4.4 Yield Strength: 33 ksi
12.4.5 Corrosion Resistance: Zinc Plated

12.5 Back-Up Plate:

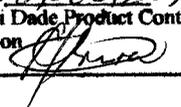
This is the standard plate used over the base flashing to cover the gap at the vertical joints.

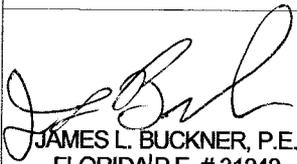
12.5.1 Material: Steel
12.5.2 Thickness: 24 Gauge
12.5.3 Yield Strength: 33 ksi
12.5.4 Corrosion Resistance: Galvanized G90

12.6 Base Flashing:

This is the standard flashing used for anchoring the bottom end wall panels to the supports.

12.6.1 Material: Steel
12.6.2 Thickness: 22 Gauge
12.6.3 Yield Strength: 33 ksi
12.6.4 Corrosion Resistance: Galvanized G90

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12.7 Interlock Joint Gasket:

This is a gasket that weather seals the horizontal interlock joint of the panels.

- 12.7.1 Manufacturer: Advanced Elastomer Systems
- 12.7.2 Part Number: 9320.2000
- 12.7.3 Material: Santoprene Thermoplastic Rubber

12.8 Vertical Joint Gasket (VJ-1) Optional:

This is a gasket that finishes the appearance of the vertical butt joints of the panels.

- 12.8.1 Manufacturer: Advanced Elastomer Systems
- 12.8.2 Part Number: 9700.2100
- 12.8.3 Material: Santoprene Thermoplastic Rubber

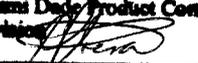
12.9 Fasteners:

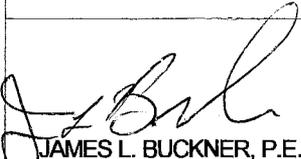
- 12.9.1 Manufacturer: Atlas Bolt and Screw Company
- 12.9.2 Part Number: 14995
- 12.9.3 Type: Self Tapping
- 12.9.4 Size : #14 – 10 x 2-1/2
- 12.9.5 Head: Hex head
- 12.9.6 Corrosion Resistance: Zinc Plated

12.10 Sealant:

Non-Skinning Butyl Sealant is used for primary rear seal of the panel.

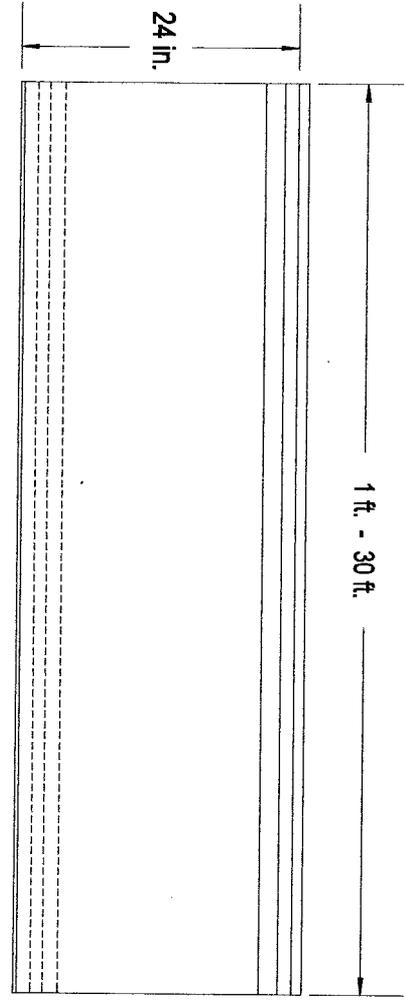
- 12.10.1 Manufacturer : Tremco
- 12.10.2 Product: JS-773

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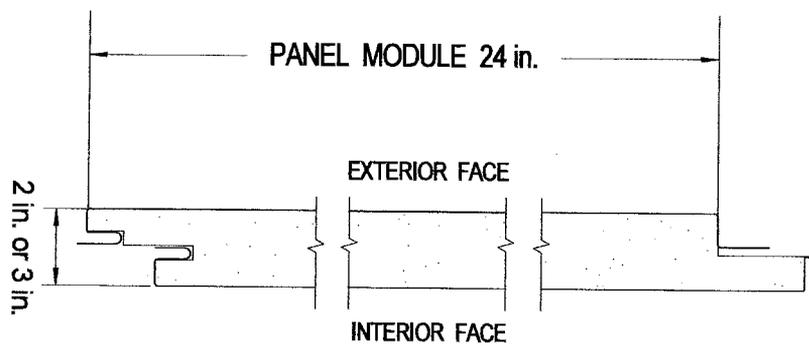

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DESIGNWALL 2000 SERIES
 PANEL MODULE 24 in.



PANEL ELEVATION VIEW



PANEL SIDE SECTION VIEW

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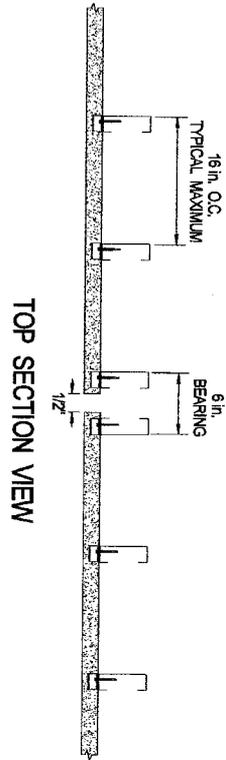
TITLE: DESIGNWALL 2000 SERIES
 PANEL MODULE 24 in.

COA # 8064
 CBUCK Engineering
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 1334 S KILLIAN DR, SUITE 4
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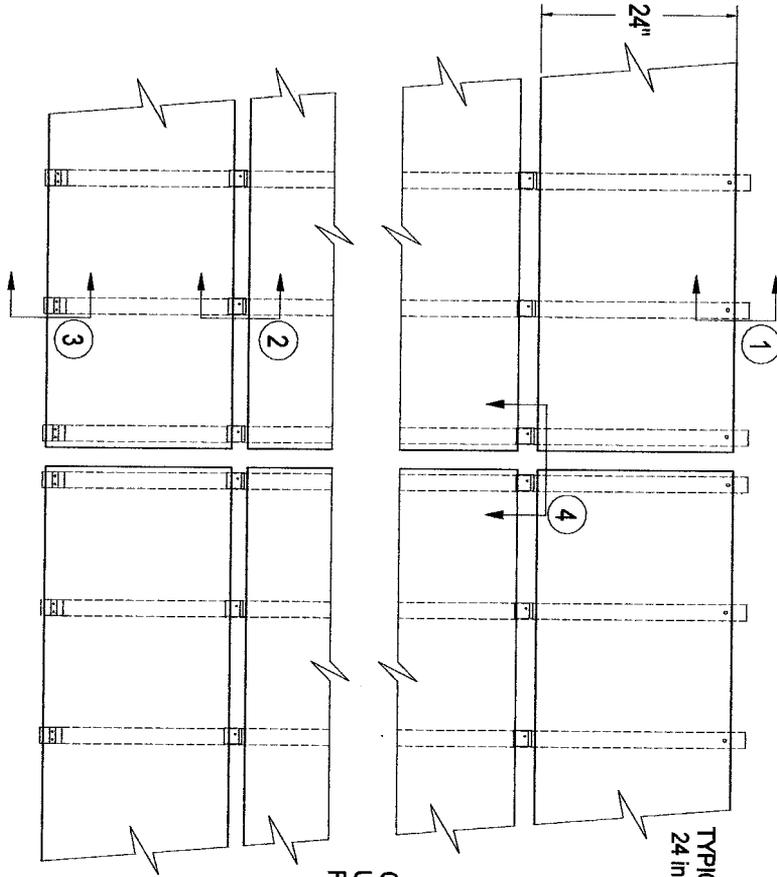
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DESIGNWALL 2000 SERIES, 24 in. MODULE PANEL ASSEMBLY



TOP SECTION VIEW

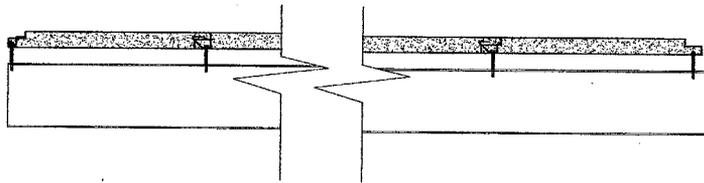


TYPICAL PANEL SIZE
24 in. x 1 ft. - 30 ft.

CLIP AT EACH STUD
USING ONE (1)
FASTENER PER CLIP

TYPICAL ELEVATION VIEW
OUTSIDE OF WALL ASSEMBLY

SIDE SECTION VIEW



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TITLE: DESIGNWALL 2000 SERIES, 24 in. MODULE
PANEL ASSEMBLY

COA # 8064

CBUCK Engineering

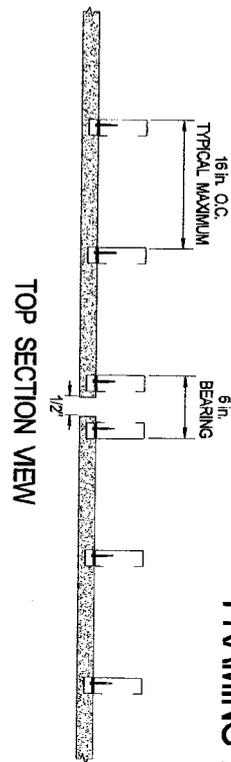
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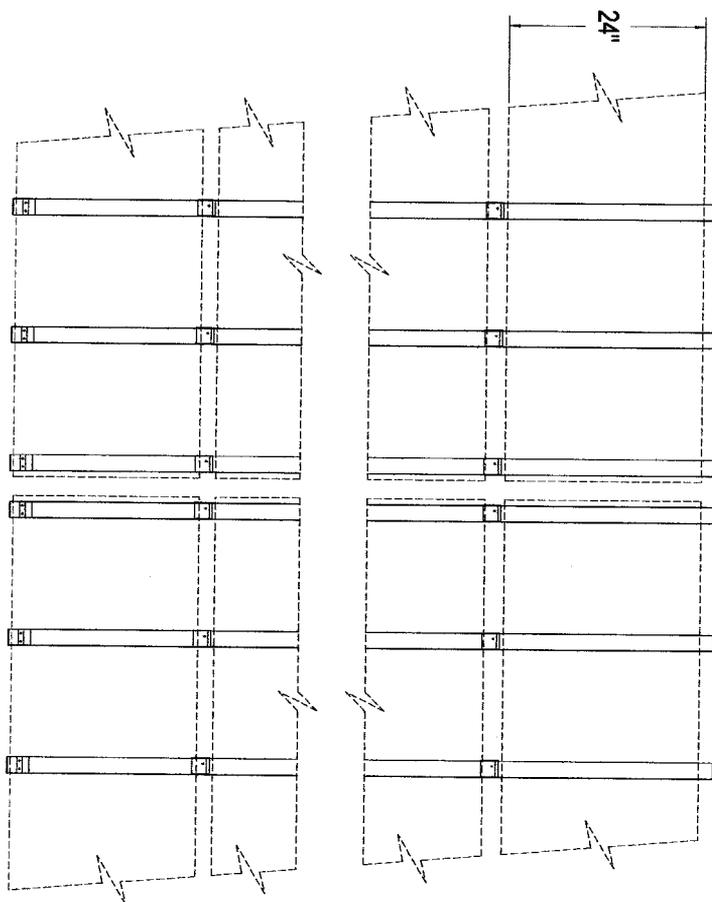
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SYSTEMS, INC.

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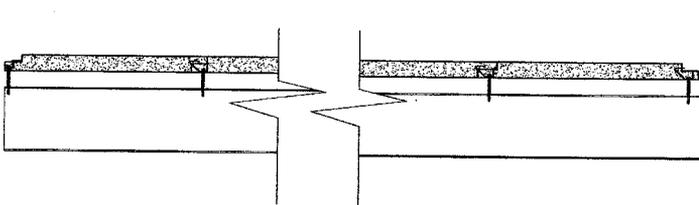
DESIGNWALL 2000 SERIES, 24 in. MODULE FRAMING ASSEMBLY



TOP SECTION VIEW



TYPICAL FRAMING ELEVATION
VERTICAL STEEL SUPPORT
FROM OUTSIDE VIEW



SIDE SECTION VIEW

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TITLE: DESIGNWALL 2000 SERIES, 24 in. MODULE
FRAMING ASSEMBLY

COA # 8064

CBUCK Engineering

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BENCHMARK ARCHITECTURAL
SYSTEMS, INC.

DATE: 01/16/09

PAGE #: 10 OF 18

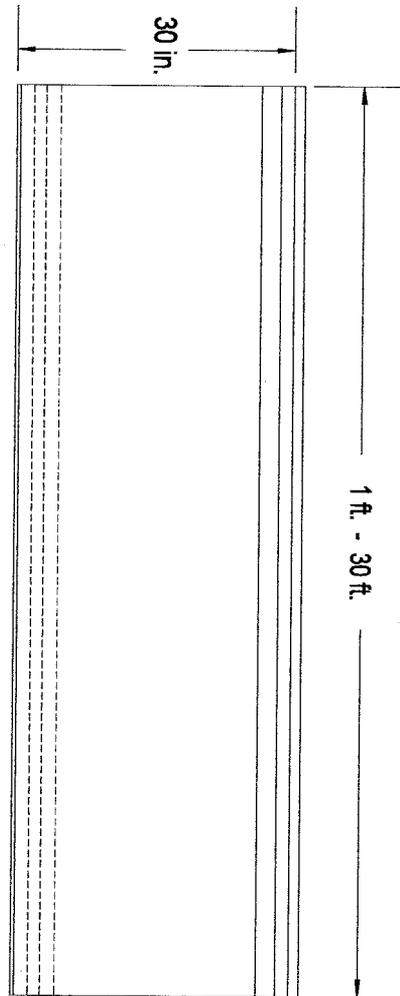
PROJECT # C08-336

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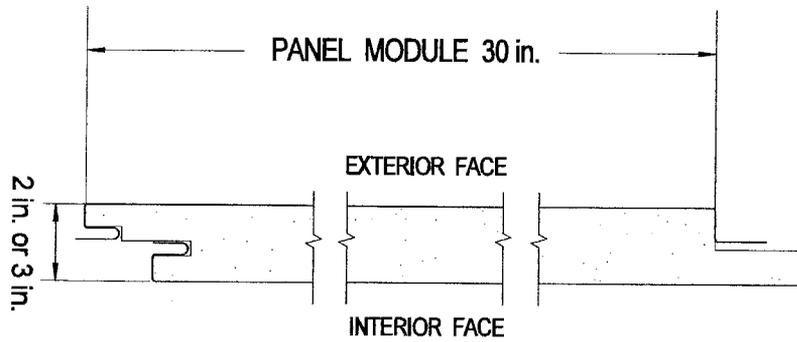
REV:

DESIGNWALL 2000 SERIES
 PANEL MODULE 30 in.

PANEL ELEVATION VIEW



PANEL SIDE SECTION VIEW



Approved as complying with the
 Florida Building Code
 Date: 05/20/2009
 NOA#: 03-0312-09
 Miami Dept. Product Control
 Division: *[Signature]*
 By: *[Signature]*

[Signature]
 JAMES L. BUCKNER, P.E.
 FLORIDA P.E. # 31242
 3/6/09

TITLE: DESIGNWALL 2000 SERIES
 PANEL MODULE 30 in.

COA # 8064

[Logo] CBUCK Engineering

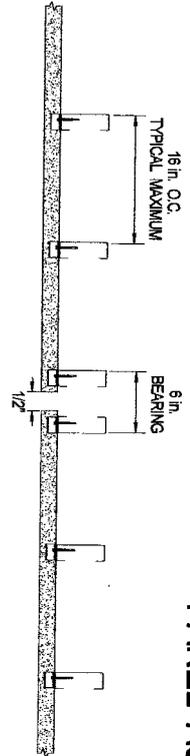
CBUCK ENGINEERING
 1334 S KILLIAN DR, SUITE 4
 WEST PALM BEACH, FL 33403
 PH: (561) 491-9927
 WWW.CBUCKINC.NET

MANUFACTURER:

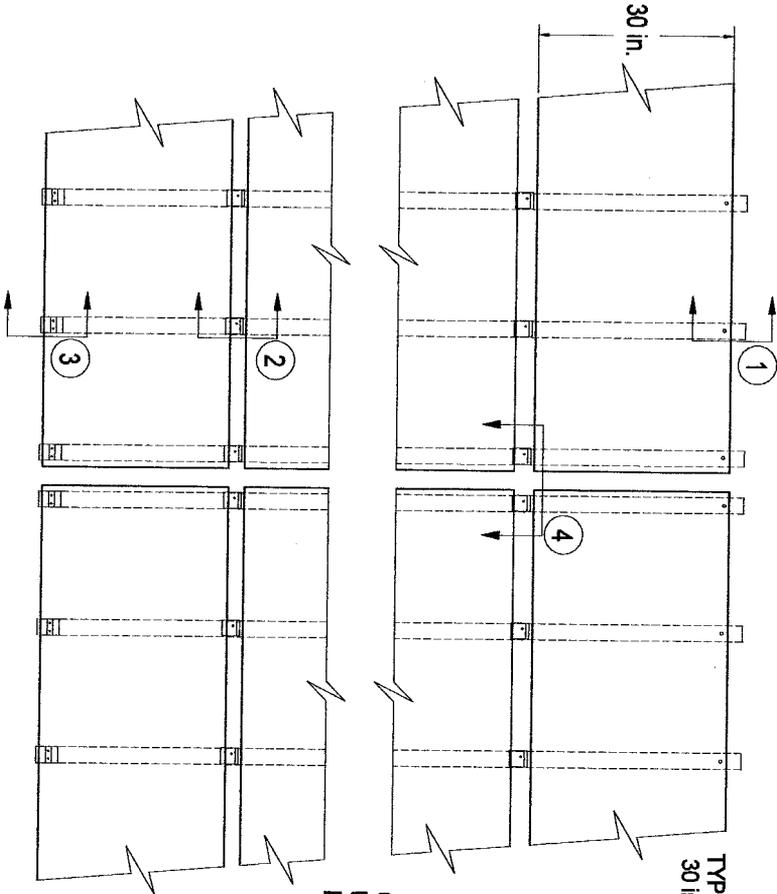
BENCHMARK ARCHITECTURAL
 SYSTEMS, INC.

DATE:	01/16/09
PAGE #:	11 OF 18
PROJECT #:	C08-336
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DESIGNWALL 2000 SERIES, 30 in. MODULE PANEL ASSEMBLY



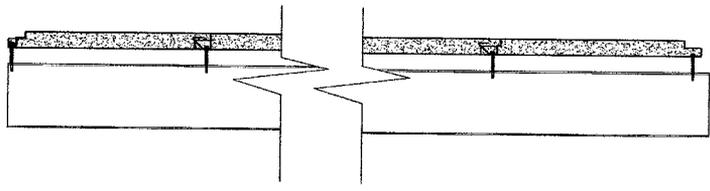
TOP SECTION VIEW



TYPICAL PANEL SIZE
30 in. x 1 ft. - 30 ft.

CLIP AT EACH STUD
USING ONE (1)
FASTENER PER CLIP

TYPICAL ELEVATION VIEW
OUTSIDE OF WALL ASSEMBLY



SIDE SECTION VIEW

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Florida Building Code
Date 05/20/2009
NOA# 09-0312.09
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Division
By [Signature]

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JAMES L. BUCKNER, P.E.
FLORIDA P.E. # 31242
3/6/09

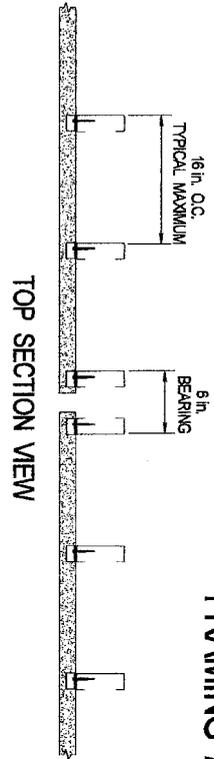
TITLE: DESIGNWALL 2000 SERIES, 30 in. MDULE
PANEL ASSEMBLY
COA # 8064

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CBUCK ENGINEERING
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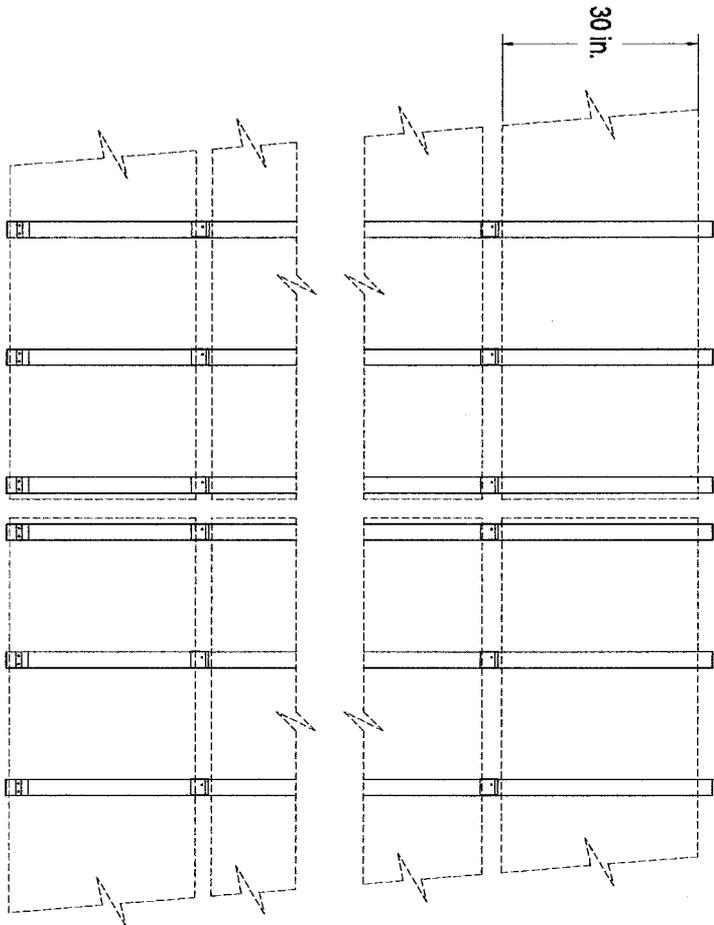
MANUFACTURER:
BENCHMARK ARCHITECTURAL
SYSTEMS, INC.

DATE:	01/16/09
PAGE #:	12 OF 18
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REV:	

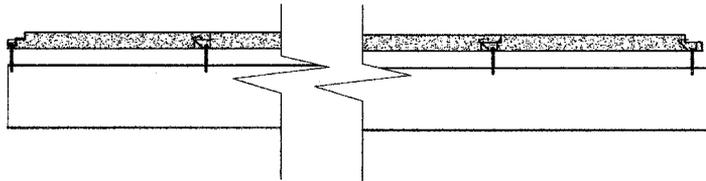
DESIGNWALL 2000 SERIES, 30 in. MODULE
FRAMING ASSEMBLY



TOP SECTION VIEW



TYPICAL FRAMING ELEVATION
VERTICAL STEEL SUPPORT
FROM OUTSIDE VIEW



SIDE SECTION VIEW

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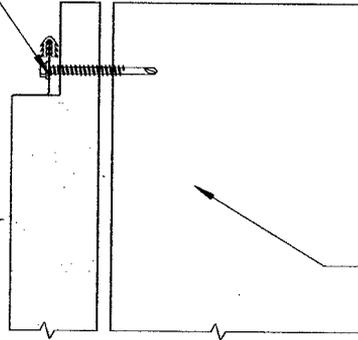
[Signature]
JAMES L. BUCKNER, P.E.
FLORIDA P.E. # 31242
3/14/09

TITLE: DESIGNWALL 2000 SERIES, 30 in. MODULE FRAMING ASSEMBLY		MANUFACTURER: BENCHMARK ARCHITECTURAL SYSTEMS, INC.	
COA # 8064		DATE: 01/16/09	
CBUCK Engineering		PAGE #: 13 OF 18	
CBUCK ENGINEERING 1334 S KILLIAN DR, SUITE 4 WEST PALM BEACH, FL 33403 PH: (561) 491-9927 WWW.CBUCKINC.NET		PROJECT # C08-336	
		DRAWN BY YD	
		REV:	

STRUCTURAL ATTACHEMENT DETAILS FOR BOTH 24 in. & 30 in. PANEL MODULE

ONE #14 SCREW
THROUGH PANEL
AT EACH SUPPORT

EXTERIOR FACE



16 GA. STEEL SUPPORT
BY OTHERS

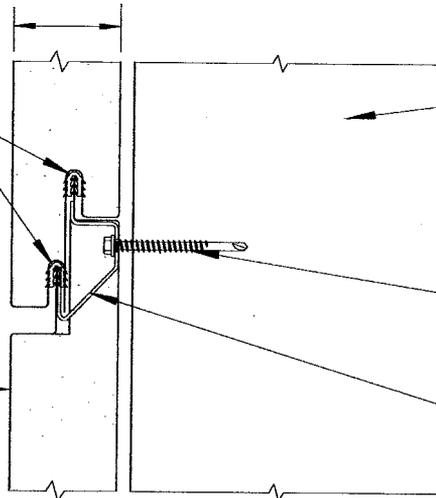
TYPICAL TOP OF WALL PANEL

DETAIL 1

2 in. or 3 in.

RUBBER GASKETS

EXTERIOR FACE



16 GA. STEEL SUPPORT
BY OTHERS

ONE #14 SCREW PER CLIP

CONCEALED FASTENING CLIP

TYPICAL HORIZONTAL JOINT

DETAIL 2

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Miami Dade Product Control
Division
By *[Signature]*

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JAMES L. BUCKNER, P.E.
FLORIDA P.E. # 31242
3/16/09

TITLE: STRUCTURAL ATTACHEMNT DETAILS
FOR BOTH 24 in. & 30 in. PANEL MODULE

COA # 8064

CBUCK Engineering

CBUCK ENGINEERING
1334 S KILLIAN DR, SUITE 4
WEST PALM BEACH, FL 33403
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MANUFACTURER:

BENCHMARK ARCHITECTURAL
SYSTEMS, INC.

DATE: 01/16/09

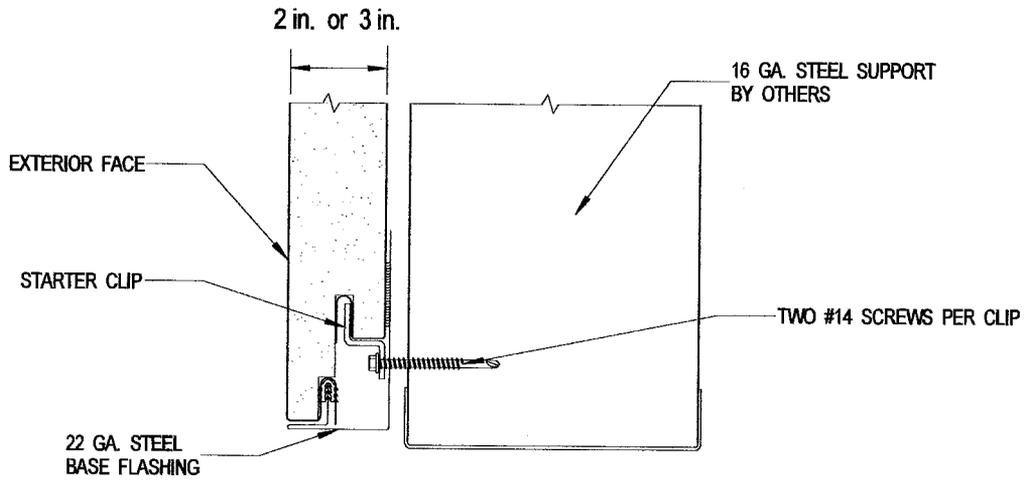
PAGE #: 14 OF 18

PROJECT # C08-336

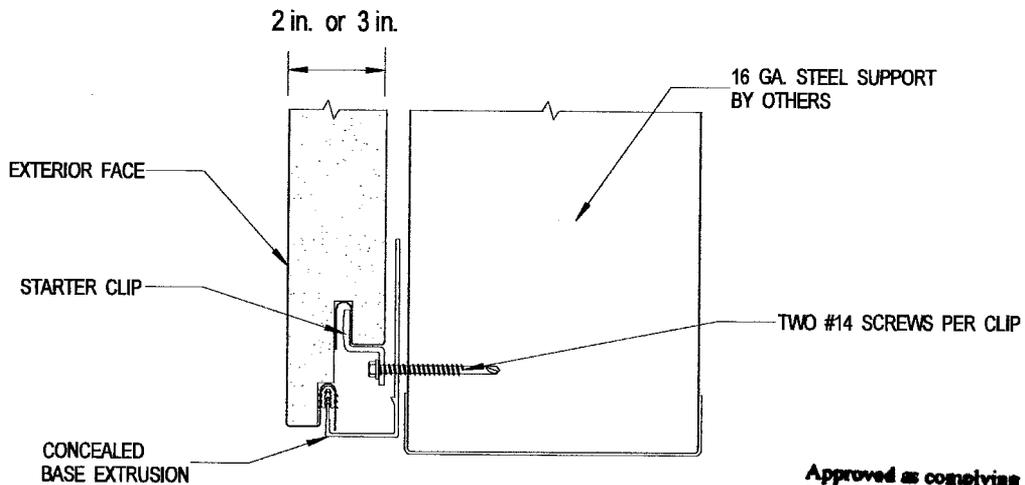
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REV:

**STRUCTURAL ATTACHEMNT DETAILS
FOR BOTH 24 in. & 30 in. PANEL MODULE (CONTINUED)**



**TYPICAL BASE OF WALL PANEL
DETAIL 3**



**OPTIONAL BASE CONDITION OF WALL PANEL
WITH BASE EXTRUSION**

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Florida Building Code
Date 05/20/2009
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Miami Dade Product Control
Division
By *[Signature]*

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JAMES L. BUCKNER, P.E.
FLORIDA P.E. # 31242
3/6/09

TITLE: STRUCTURAL ATTACHEMNT DETAILS
FOR BOTH 24 in. & 30 in. PANEL MODULE (CONTINUED)

COA # 8064

CBUCK Engineering

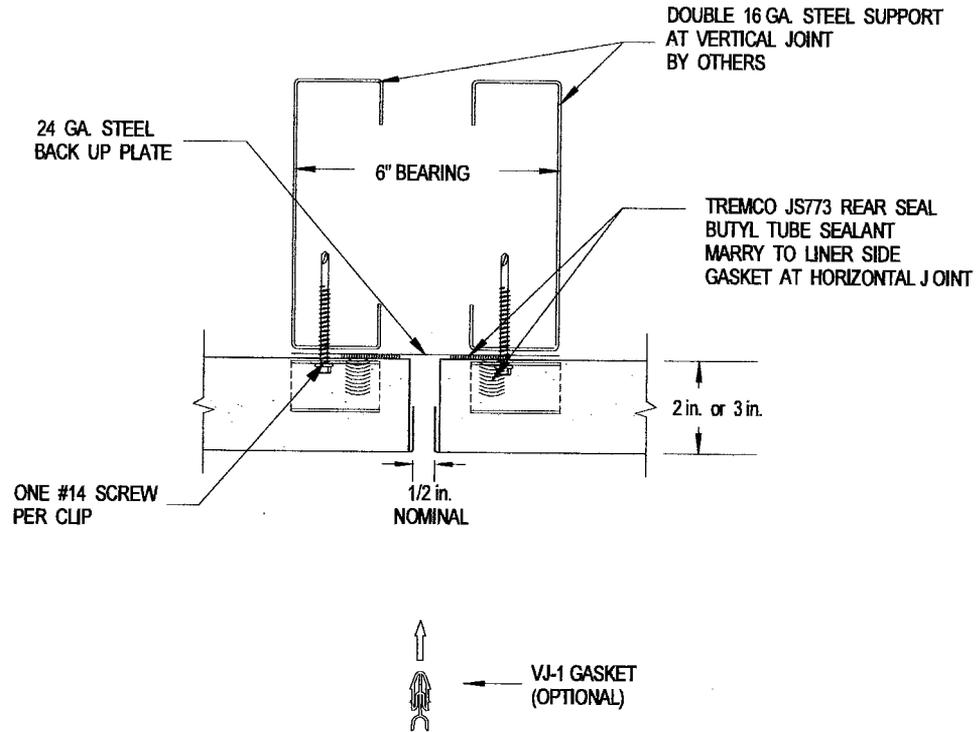
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SYSTEMS, INC.**

DATE:	01/16/09
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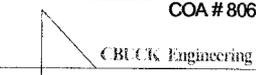
**STRUCTURAL ATTACHEMENT DETAILS
FOR BOTH 24 in. & 30 in. PANEL MODULE (CONTINUED)**



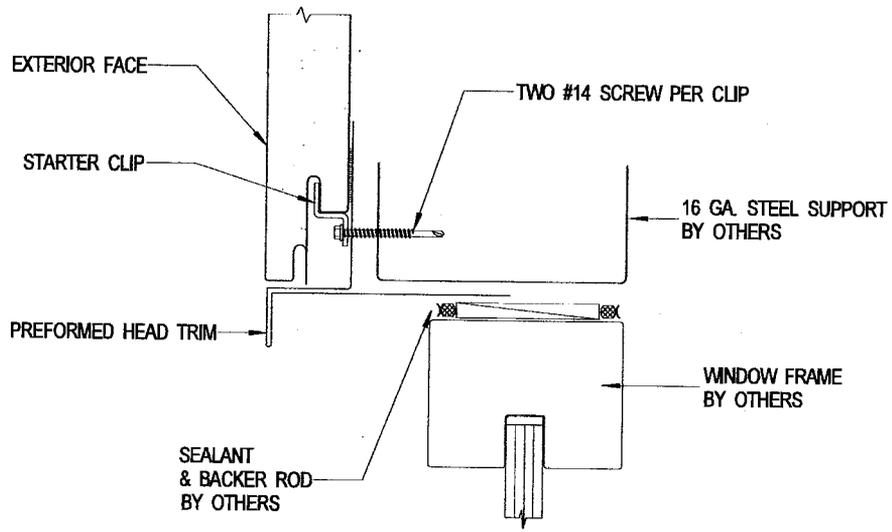
**TYPICAL VERTICAL JOINT
DETAIL 4**

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By [Signature]

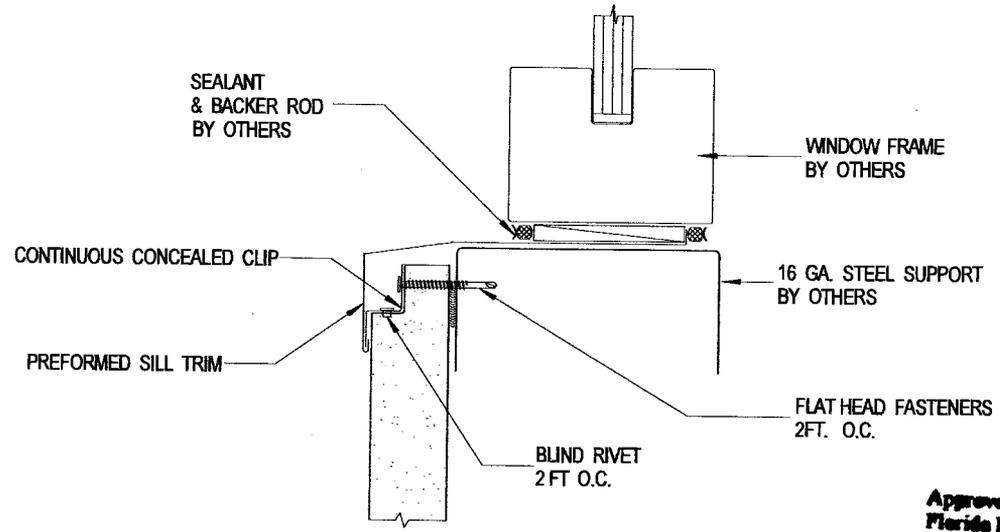
[Signature]
JAMES L. BUCKNER, P.E.
FLORIDA P.E. # 31242
3/6/09

TITLE: STRUCTURAL ATTACHEMNT DETAILS FOR BOTH 24 in. & 30 in. PANEL MODULE (CONTINUED) COA # 8064		MANUFACTURER:	
 CBUCK ENGINEERING 1334 S KILLIAN DR, SUITE 4 WEST PALM BEACH, FL 33403 PH: (561) 491-9927 WWW.CBUCKINC.NET	BENCHMARK ARCHITECTURAL SYSTEMS, INC.		DATE: 01/16/09
			PAGE #: 16 OF 18
		PROJECT # C08-336	
		DRAWN BY YD	
		REV:	

TYPICAL WINDOW DETAILS FOR BOTH 24 in. & 30 in. PANEL MODULE



TYPICAL WINDOW HEAD



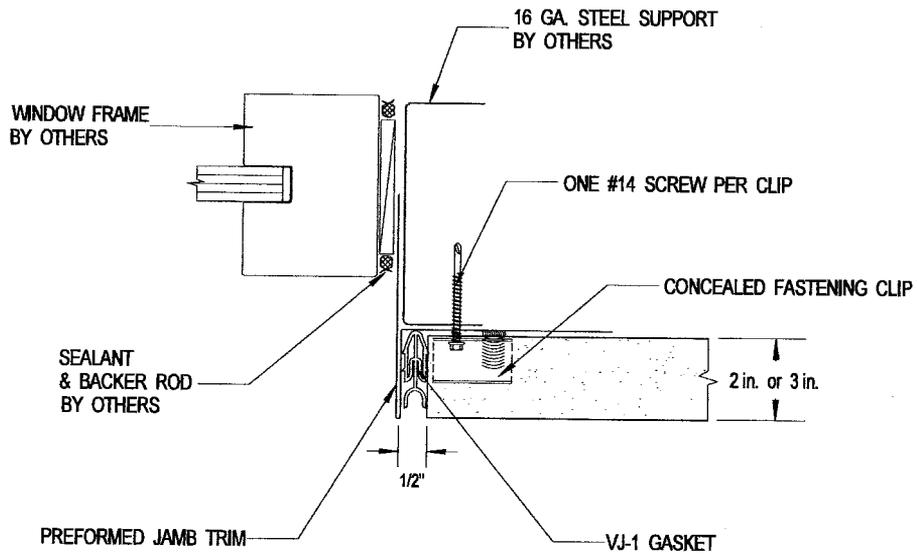
TYPICAL WINDOW SILL

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Division
By [Signature]

[Signature]
JAMES L. BUCKNER, P.E.
FLORIDA P.E. # 31242
3/6/09

TITLE: TYPICAL WINDOW DETAILS FOR BOTH 24 in. & 30 in. PANEL MODULE COA # 8064		MANUFACTURER: BENCHMARK ARCHITECTURAL SYSTEMS, INC.	
CBUCK Engineering CBUCK ENGINEERING 1334 S KILLIAN DR, SUITE 4 WEST PALM BEACH, FL 33403 PH: (561) 491-9927 WWW.CBUCKINC.NET		DATE: 01/16/09	PAGE #: 17 OF 18
		PROJECT # C08-336	DRAWN BY YD
		REV:	[Blank]

TYPICAL WINDOW DETAILS
FOR BOTH 24 in. & 30 in. PANEL MODULE



TYPICAL WINDOW JAMB

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Miami Dade Product Control
Division
By *[Signature]*

[Signature]
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FLORIDA P.E. # 31242
3/6/09

TITLE: TYPICAL WINDOW DETAILS
FOR BOTH 24 in. & 30 in. PANEL MODULE (CONTINUED)

COA # 8064

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MANUFACTURER:

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DATE: 01/16/09
PAGE #: 18 OF 18
PROJECT # C08-336
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