



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

**NOTICE OF ACCEPTANCE (NOA)**

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/economy](http://www.miamidade.gov/economy)

**HyComb USA, Inc.**  
**311 West Ansin Blvd.**  
**Hallandale, FL 33009**

**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 RER-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. RER 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 Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: HyComb USA Honeycomb Aluminum Composite Wall Panel System**

**APPROVAL DOCUMENT:** Drawing No. **H131730**, titled “Honeycomb Stone Panel”, sheets 1 through 4 of 4, dated 04/01/2015, prepared by the Youssef Hachem Consulting Engineering, signed and sealed by Youssef H. Hachem, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** A permanent label with the manufacturer’s name or logo, manufacturing plant’s city and state, model/series, and the statement reading ‘Miami-Dade County Product Control Approved’ is to be located on each panel.

**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 # 18-0801.05** and consists of this page 1, 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.**



**NOA No 20-0506.05**  
**Expiration Date: August 20, 2025**  
**Approval Date: June 4, 2020**  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. Evidence submitted under NOA # 15-0415.07**

**A. DRAWINGS**

1. Drawing **H131730**, titled “Honeycomb Stone Panel”, sheets 1 through 4 of 4, dated 04/01/2015, prepared by the Youssef Hachem Consulting Engineering, signed and sealed by Youssef H. Hachem, P.E.

**B. TESTS**

1. Test report 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  
along with marked-up drawings and installation diagram of Stone Honeycomb Panel, prepared by Blackwater Testing Inc., Test Report No. **BT-HC-14-001A**, dated 01/27/2015, signed and sealed by Yamil G. Kuri, P.E.
2. Test report 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 Stone Honeycomb Panel, prepared by Blackwater Testing Inc., Test Report No. **BT-HC-14-001B**, dated 01/27/2015, signed and sealed by Yamil G. Kuri, P.E.

**C. CALCULATIONS**

1. Structural calculations prepared by Youssef Hachem Consulting Engineering, dated 04/06/2015, signed and sealed by Youssef H. Hachem, P.E.

**D. MATERIAL CERTIFICATIONS**

1. None

**E. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**F. STATEMENTS**

1. Statement letter of code conformance to 2010 and 5<sup>th</sup> edition (2014) FBC issued by Youssef Hachem Consulting Engineering, dated 07/14/2015, signed and sealed by Youssef H. Hachem, P.E.
2. Statement letter of no financial interest letter issued by Youssef Hachem Consulting Engineering, dated 04/01/2015, signed and sealed by Youssef H. Hachem, P.E.
3. Distributor agreement dated 09/16/2014.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No 20-0506.05**  
**Expiration Date: August 20, 2025**  
**Approval Date: June 4, 2020**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. Evidence submitted under NOA # 18-0801.05**

**A. DRAWINGS**

1. Drawing **H131730**, titled “Honeycomb Stone Panel”, sheets 1 through 4 of 4, dated 04/01/2015, prepared by the Youssef Hachem Consulting Engineering, signed and sealed by Youssef H. Hachem, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. None.

**E. MATERIAL CERTIFICATIONS**

1. None.

**E. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

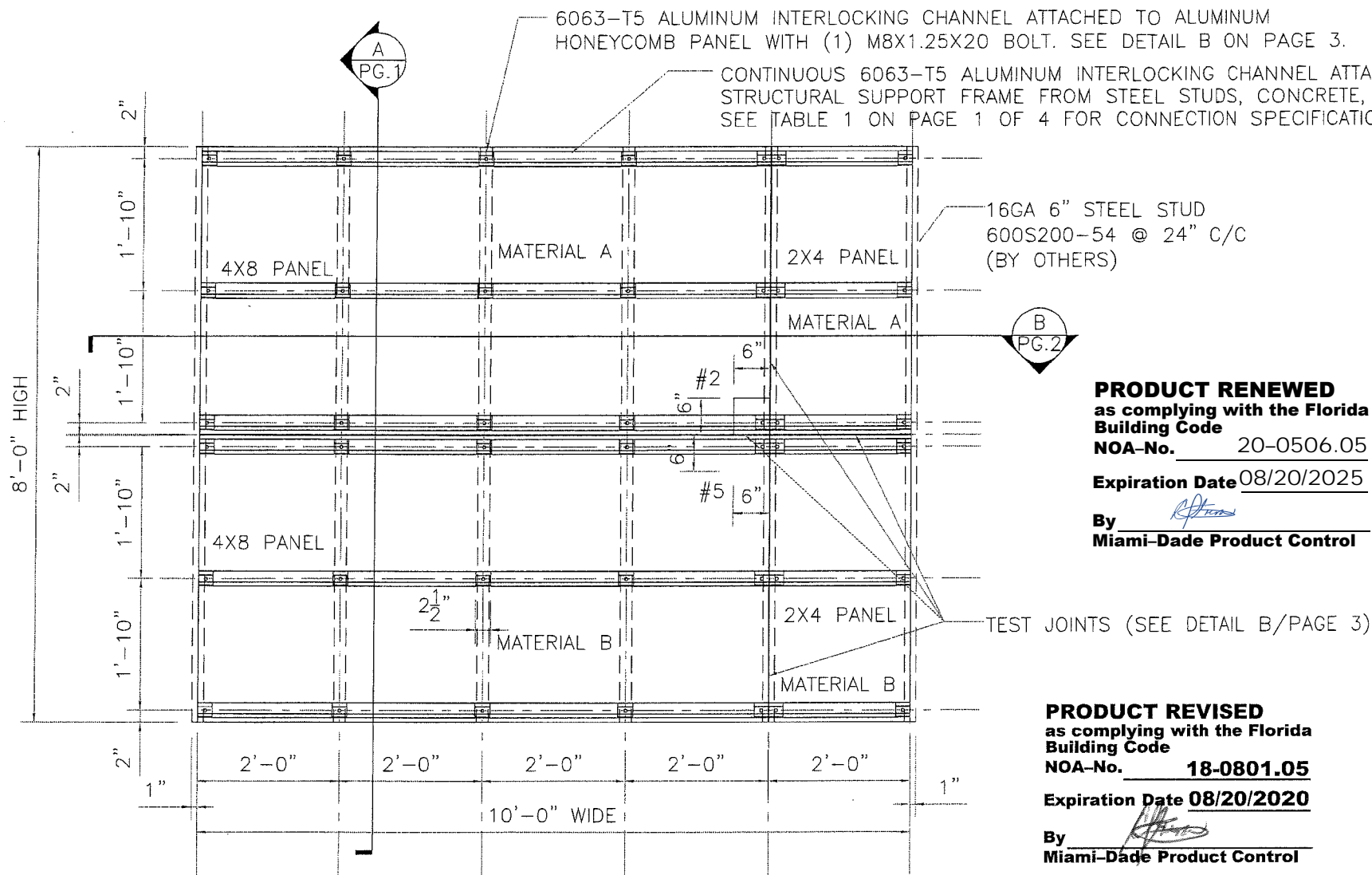
**F. STATEMENTS**

1. Statement letter of code conformance to the 6<sup>th</sup> edition (2017) FBC issued by Youssef Hachem Consulting Engineering, dated 06/04/2018, signed and sealed by Youssef H. Hachem, P.
2. Statement letter of no financial interest letter issued by Youssef Hachem Consulting Engineering, dated 06/04/2018, signed and sealed by Youssef H. Hachem, P.E.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No 20-0506.05**  
**Expiration Date: August 20, 2025**  
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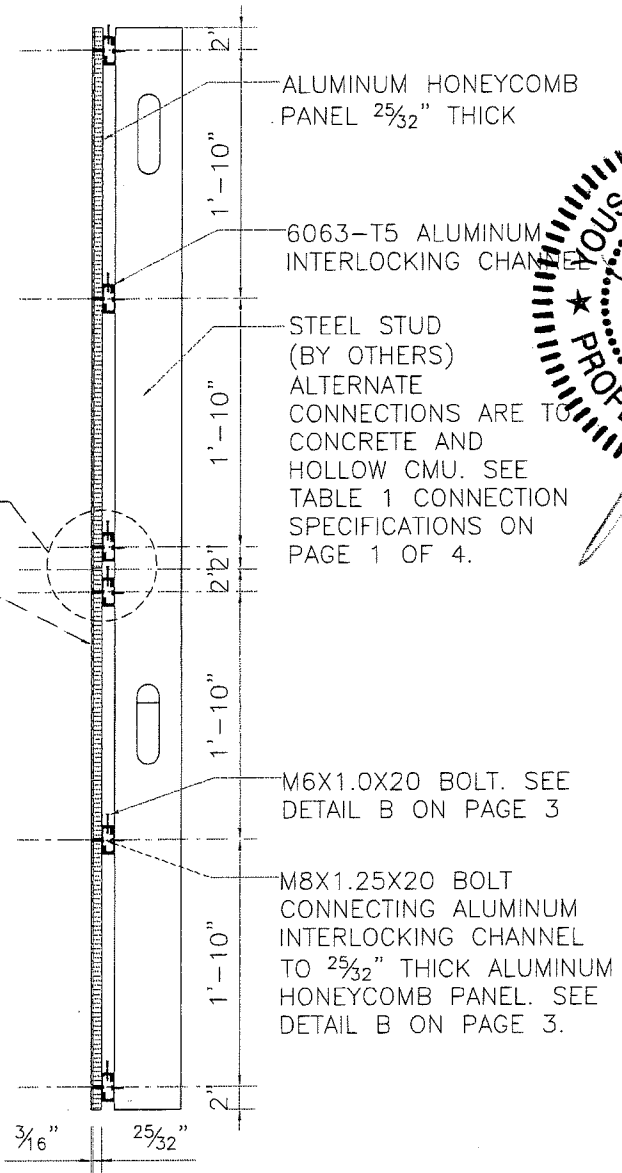


**TEST PANEL DETAIL**  
SCALE: 1/2"=1'-0"

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
NOA-No. 20-0506.05  
Expiration Date 08/20/2025  
By *[Signature]*  
Miami-Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 18-0801.05  
Expiration Date 08/20/2020  
By *[Signature]*  
Miami-Dade Product Control

Approved as complying with the Florida Building Code  
Date 08/20/2015  
NOA# 15-0415.07  
Miami Dade Product Control  
By *[Signature]*



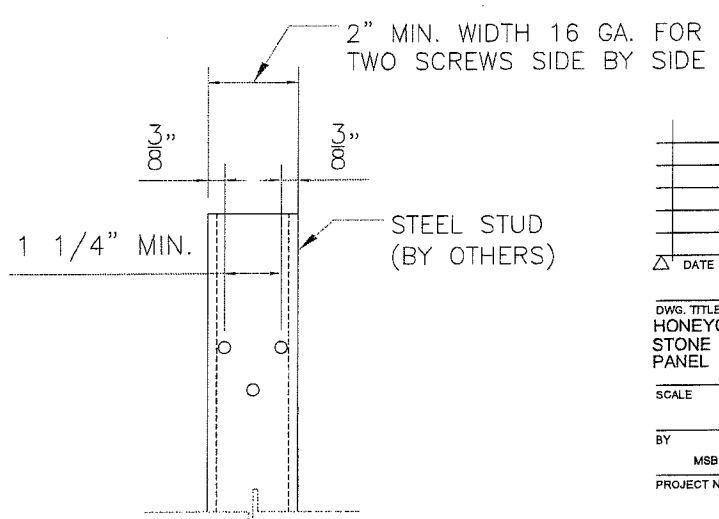
**SECTION A**  
SCALE: 3/4"=1'-0" PG. 1

TABLE 1 CONNECTION SPECIFICATIONS

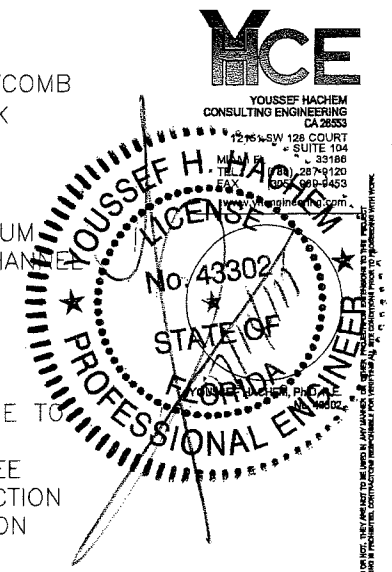
CONTINUOUS ALUMINUM INTERLOCKING CHANNEL ATTACHMENT				
SUPPORT FRAME (BY OTHER)	CONNECTOR TYPE	CONNECTOR QUANTITY CENTERED BEHIND 2 1/2" LONG INTERLOCKING CHANNEL	CONNECTOR MIN. EDGE DISTANCE	CONNECTOR MIN. C/C SPACING
COLD FORMED STEEL STUDS 16 GA. MIN. THICKNESS, 58 KSI MIN. TENSILE STRENGTH	#10-16x1 1/4" TEK SCREWS BY ITW BUILDEX OR EQUAL	3/STUD	3/8"	1 1/4"
2000 PSI MIN. CONCRETE COMPRESSIVE STRENGTH	3/16"ØX1 1/2" CONCRETE EMBEDMENT TAPCON ANCHORS FROM ITW BUILDEX OR EQUAL	2/ SPACING 12" ALONG CHANNEL	1 1/8"	2 1/4"
MEDIUM WEIGHT CMU BLOCK DENSITY>117 PCF	3/16"ØX1" HOLLOW CMU FACE SHELL EMBEDMENT TAPCON ANCHORS FROM ITW BUILDEX OR EQUAL	8/ SPACING 3" ALONG CHANNEL	2"	2 1/4"

**NOTES:**

- 1) DESIGN PRESSURE RATING +100 PSF/-100 PSF
- 2) LARGE AND SMALL MISSILE IMPACT RESISTANCE
- 3) #10-16 TEK SCREWS SHALL BE HILTI SELF-DRILLING SCREWS (ESR 2196), ITW BUILDEX TEKS (ESR 1976) OR EQUAL.
- 4) 3/16" DIAMETER CONCRETE/CMU TAPCONS SHALL BE ITW BUILDEX CONCRETE/CMU TAPCON ANCHORS OR EQUAL.
- 5) L/180 MAXIMUM STUD DEFLECTION
- 6) PANEL RECOVERY OF AT LEAST 90% OVER MAXIMUM DEFLECTION AFTER TAS 203 REQUIRED.
- 7) AT CONCRETE /CMU WALLS USE COATED TAP-CONS WITH NEOPRENE WASHERS.
- 8) PROTECT ALL ALUMINUM IN DIRECT CONTACT WITH CONCRETE WITH APPROPRIATE CORROSION RESISTANT BARRIER OR COATING BY OTHERS.



**SPACING OF TEK SCREWS**  
SCALE: 3"=1'-0"



HONEYCOMB STONE PANEL BY  
HYCOMB USA, INC.  
208 NW 6th AVENUE  
HALLANDALE BEACH, FL 33009

DATE	REVISION

DWG. TITLE  
HONEYCOMB STONE PANEL

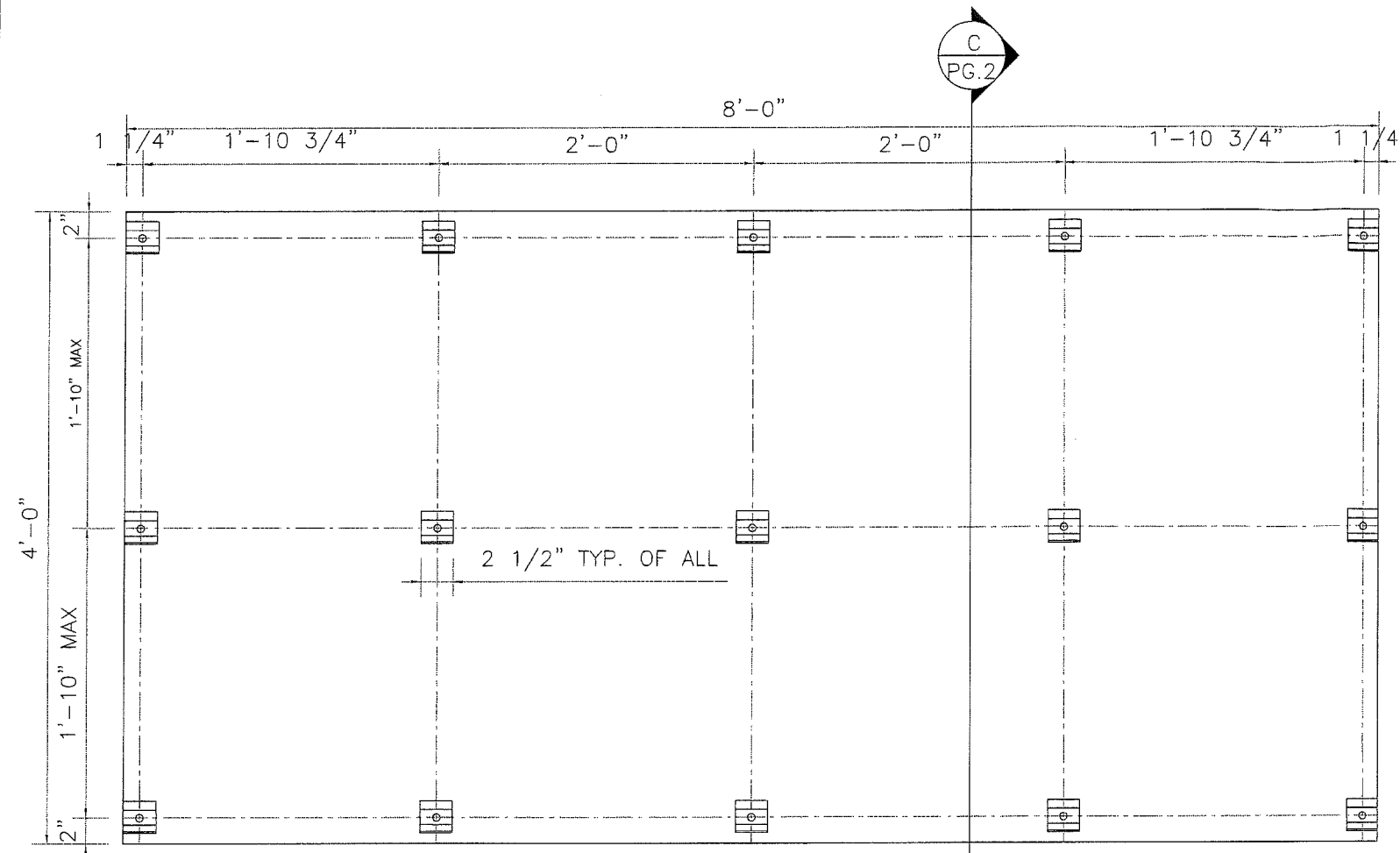
SCALE AS SHOWN

BY MSB CHK'D YHH

PROJECT NO. H131730

DATE 4-1-2015

SHEET NUMBER



**4'X8' PANEL BACK VIEW**

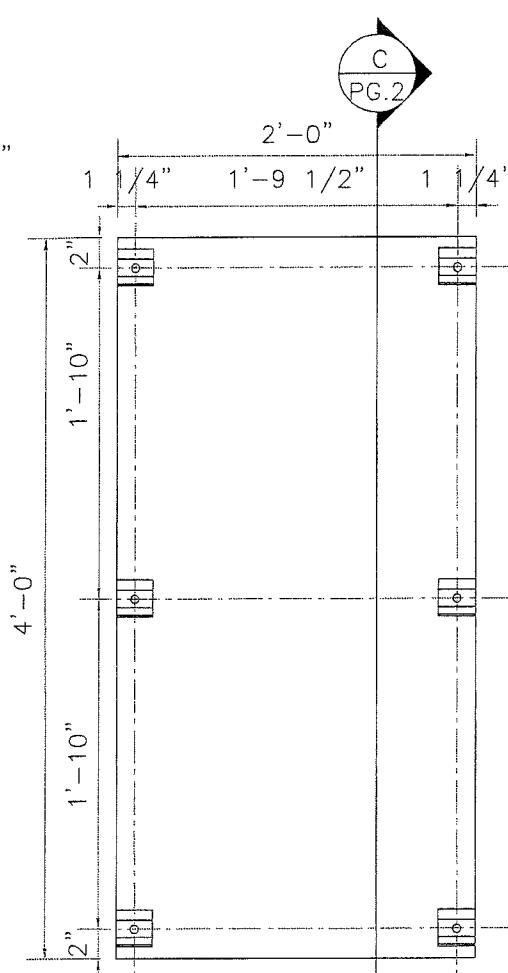
SCALE: 1"=1'-0"

**PRODUCT RENEWED**  
as complying with the Florida Building Code

NOA-No. 20-0506.05

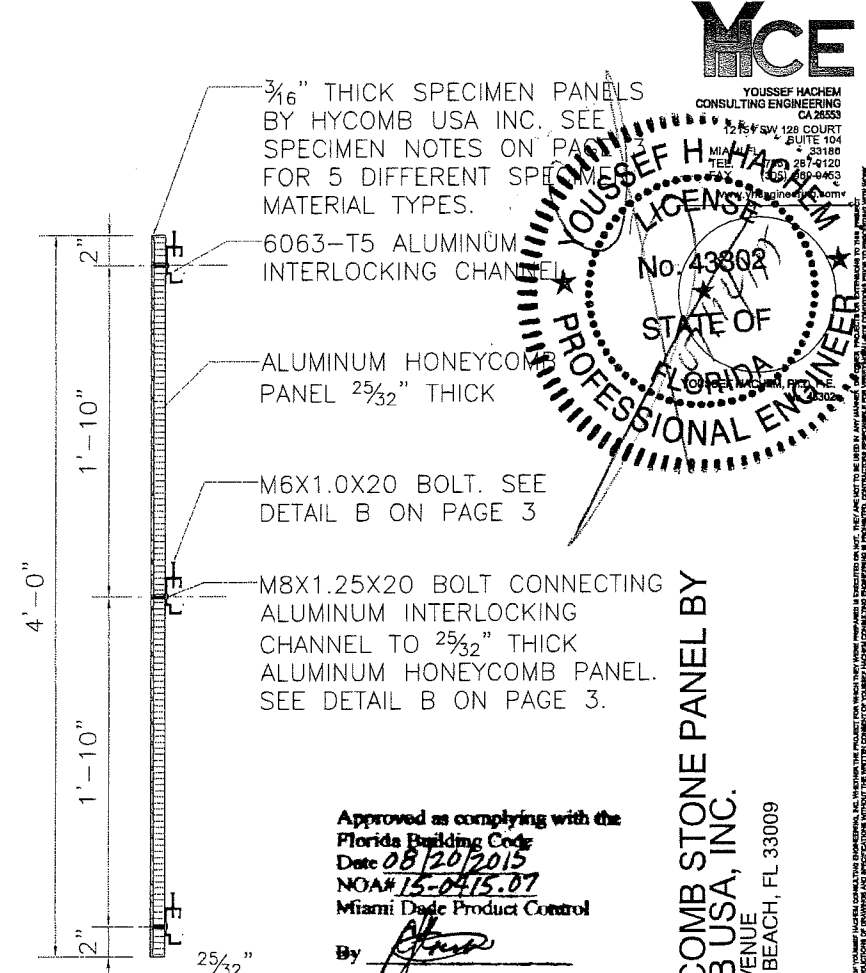
Expiration Date 08/20/2025

By *[Signature]*  
Miami-Dade Product Control



**2'X4' PANEL BACK VIEW**

SCALE: 1"=1'-0"



**SECTION C**

SCALE: 1"=1'-0"

3/16" THICK SPECIMEN PANELS BY HYCOMB USA INC. SEE SPECIMEN NOTES ON PAGE 3 FOR 5 DIFFERENT SPECIMEN MATERIAL TYPES.

6063-T5 ALUMINUM INTERLOCKING CHANNEL

ALUMINUM HONEYCOMB PANEL 2 5/32" THICK

M6X1.0X20 BOLT. SEE DETAIL B ON PAGE 3

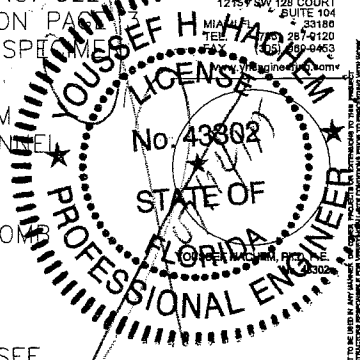
M8X1.25X20 BOLT CONNECTING ALUMINUM INTERLOCKING CHANNEL TO 2 5/32" THICK ALUMINUM HONEYCOMB PANEL. SEE DETAIL B ON PAGE 3.

Approved as complying with the Florida Building Code  
Date 08/20/2015  
NOA# 15-0415.07  
Miami-Dade Product Control

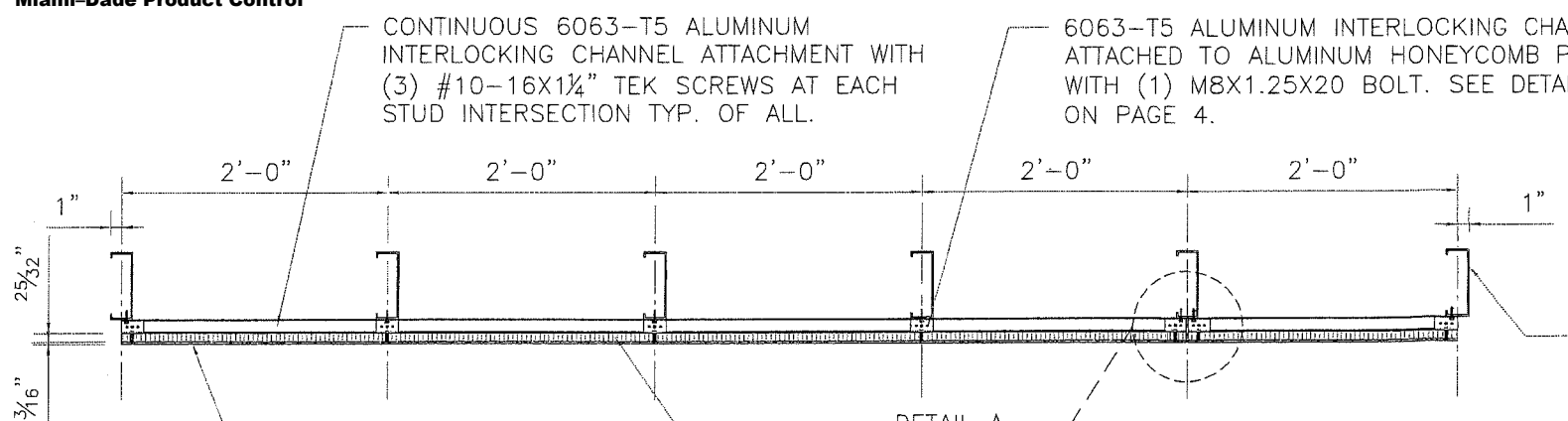
By *[Signature]*



YOUSSEF HACHEM CONSULTING ENGINEERING CA 25533 12857 SW 128 COURT SUITE 104 MIAMI, FL 33186 TEL: 305-287-4120 FAX: 305-289-0463



**HONEYCOMB STONE PANEL BY HYCOMB USA, INC.**  
208 NW 6th AVENUE  
HALLANDALE BEACH, FL 33009



**SECTION B**

SCALE: 3/4"=1'-0"

CONTINUOUS 6063-T5 ALUMINUM INTERLOCKING CHANNEL ATTACHMENT WITH (3) #10-16X1 1/4" TEK SCREWS AT EACH STUD INTERSECTION TYP. OF ALL.

6063-T5 ALUMINUM INTERLOCKING CHANNEL ATTACHED TO ALUMINUM HONEYCOMB PANEL WITH (1) M8X1.25X20 BOLT. SEE DETAIL A ON PAGE 4.

3/16" THICK SPECIMEN PANELS BY HYCOMB USA INC. SEE SPECIMEN NOTES ON PAGE 3 FOR 5 DIFFERENT SPECIMEN MATERIAL TYPES.

2 5/32" THICK ALUMINUM HONEYCOMB PANEL

DETAIL A ON PAGE 4

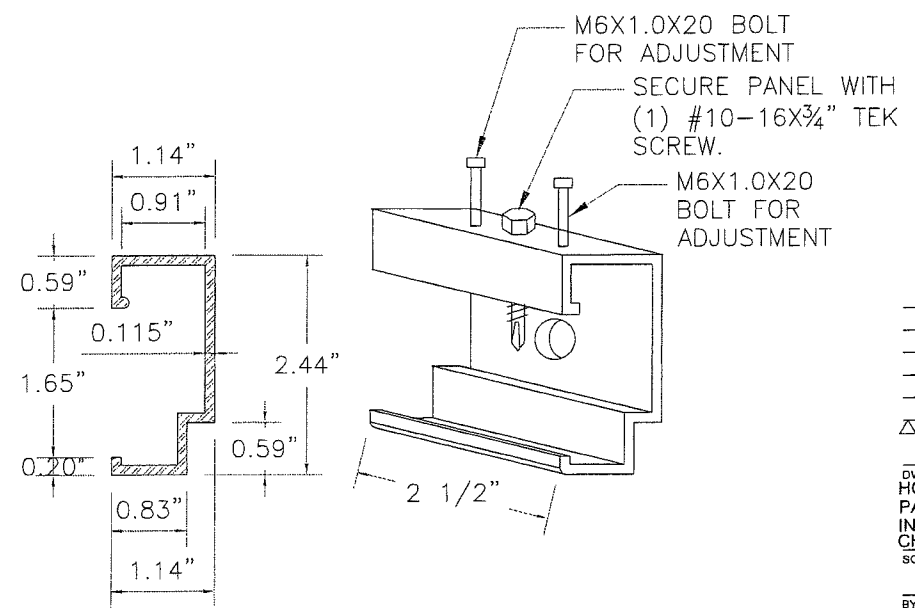
STEEL STUD (BY OTHERS) ALTERNATE CONNECTIONS ARE TO CONCRETE AND HOLLOW CMU. SEE TABLE 1 CONNECTION SPECIFICATIONS ON PAGE 1 OF 4.

**PRODUCT REVISED**  
as complying with the Florida Building Code

NOA-No. 18-0801.05

Expiration Date 08/20/2020

By *[Signature]*  
Miami-Dade Product Control



**ALUMINUM INTERLOCKING CHANNEL DETAIL**

SCALE: 6"=1'-0"

DATE	REVISION

DWG. TITLE	
HONEYCOMB STONE PANEL & ALUMINUM INTERLOCKING CHANNEL	
SCALE	
AS SHOWN	
BY	CHKD
MSB	YHH
PROJECT NO.	
H131730	
DATE	
4-1-2015	
SHEET NUMBER	
PAGE 2 OF 4	

**PRODUCT RENEWED**  
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M8X1.25X20 RIVET NUT  
 0.774" IN LENGTH  
 INSTALLED THROUGH  
 $2\frac{5}{32}$ " THICK ALUMINUM  
 HONEYCOMB PANEL  
 WHILE EMBEDDED IN  
 HIGH STRENGTH RESIN  
 EPOXY FROM H.B.  
 FULLER CO. OR EQUAL.

SEALANT AND BACKER ROD  
 (BY OTHERS TYP.)

JOINT WIDTH TO BE MIN.  $\frac{3}{16}$ "  
 AND MAX.  $\frac{1}{4}$ " IN DIMENSION

$\frac{3}{16}$ " THICK SPECIMEN PANELS  
 BY HYCOMB USA INC. ATTACHED  
 TO ALUMINUM HONEYCOMB  
 PANEL WITH BONDED RESIN C  
 EPOXY MANUFACTURED BY H.B.  
 FULLER CO. OR EQUAL. SEE  
 SPECIMEN NOTES ON PAGE 3  
 FOR 5 DIFFERENT SPECIMEN  
 MATERIAL TYPES.

WATER RESISTIVE BARRIER PER  
 F.B.C.1404.2  
 (BY OTHERS)

ALUMINUM HONEYCOMB  
 PANEL  $2\frac{5}{32}$ " THICK

(2) M6X1.0X20 BOLT.  
 FOR ADJUSTMENT

(1) #10-16X $\frac{3}{4}$ " TEK SCREW  
 TO SECURE ALUMINUM  
 INTERLOCKING CHANNEL

6063-T5 ALUMINUM  
 INTERLOCKING CHANNEL  
 ATTACHED TO ALUMINUM  
 HONEYCOMB PANEL WITH  
 (1) M8X1.25X20 BOLT.

CONTINUOUS 6063-T5  
 ALUMINUM INTERLOCKING  
 CHANNEL ATTACHED WITH (3)  
 #10-16X $1\frac{1}{4}$ " TEK SCREWS AT  
 EACH STUD INTERSECTION  
 TYP. OF ALL.

USE BUILDX CLIMASEAL WITH  
 NEOPRENE WASHERS OR EQUAL  
 FOR (3) #10-16X $1\frac{1}{4}$ " TEK  
 SCREWS AT EACH STUD  
 INTERSECTION.

(1) M8X1.25X20 BOLT  
 CONNECTING  $2\frac{1}{2}$ " WIDE  
 ALUMINUM INTERLOCKING  
 CHANNEL TO  $2\frac{5}{32}$ " THICK  
 ALUMINUM HONEYCOMB  
 PANEL.

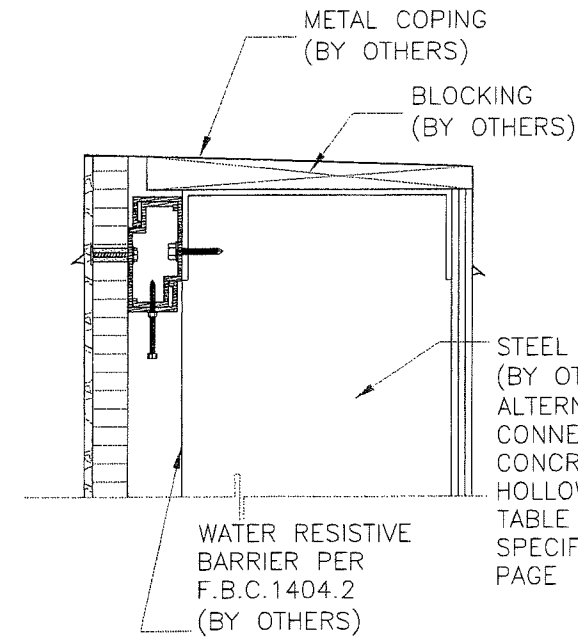
STEEL STUD  
 (BY OTHERS)  
 ALTERNATE  
 CONNECTIONS ARE TO  
 CONCRETE AND HOLLOW  
 CMU. SEE TABLE 1  
 CONNECTION  
 SPECIFICATIONS ON  
 PAGE 1 OF 4.

DETAIL B  
 SCALE: 6"=1'-0" PG. 1

**SPECIMEN NOTES:**

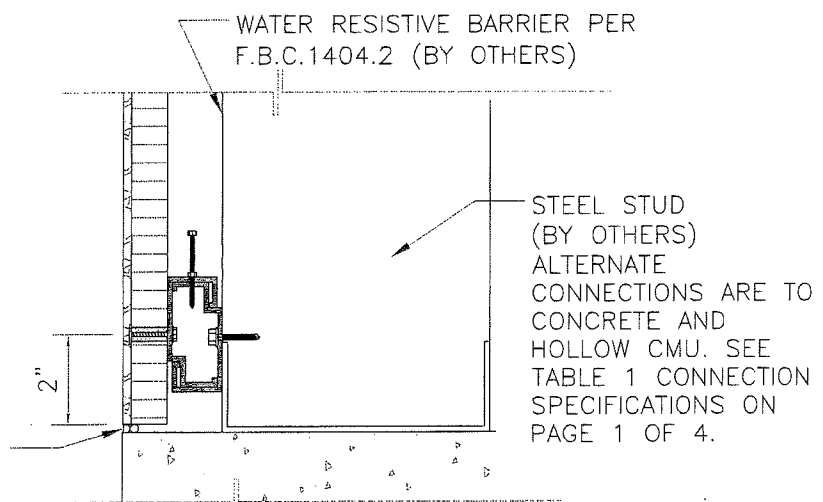
- SPECIMEN 1 TAS 202 MATERIAL A (LIMESTONE), MATERIAL B (PORCELAIN)
- SPECIMEN 2 TAS 202 MATERIAL A (SANDSTONE), MATERIAL B (SANDSTONE)
- SPECIMEN 3 TAS 202 MATERIAL A (MARBLE), MATERIAL B (GRANITE)
- SPECIMEN 4 TAS 201/TAS 203 MATERIAL A (LIMESTONE), MATERIAL B (PORCELAIN)
- SPECIMEN 5 TAS 201/TAS 203 MATERIAL A (SANDSTONE), MATERIAL B (SANDSTONE)
- SPECIMEN 6 TAS 201/TAS 203 MATERIAL A (MARBLE), MATERIAL B (GRANITE)

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. 18-0801.05  
 Expiration Date 08/20/2020  
 By *[Signature]*  
 Miami-Dade Product Control



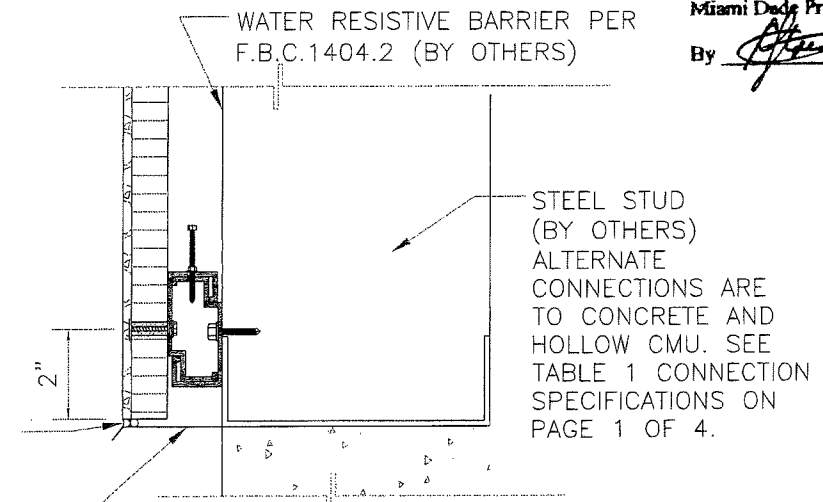
**TYPICAL COPING DETAIL**

SCALE: 3"=1'-0"



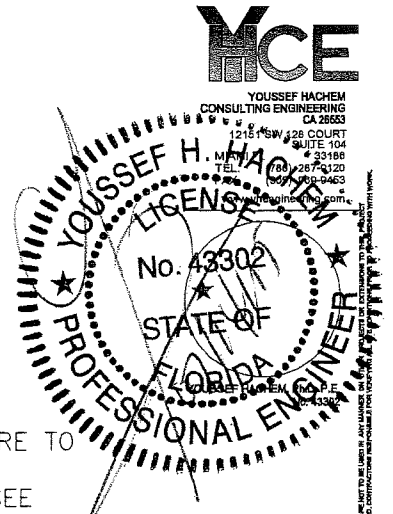
**TYPICAL BOTTOM OF WALL DETAILS**

SCALE: 3"=1'-0"



**TYPICAL BOTTOM OF WALL DETAILS**

SCALE: 3"=1'-0"



HONEYCOMB STONE PANEL BY  
 HYCOMB USA, INC.  
 208 NW 6th AVENUE  
 HALLANDALE BEACH, FL 33009

Approved as complying with the  
 Florida Building Code  
 Date 08/20/2015  
 NOA# 15-0415.07  
 Miami Dade Product Control  
 By *[Signature]*

DATE	REVISION

DWG. TITLE  
 ALUMINUM  
 INTERLOCKING  
 CHANNEL

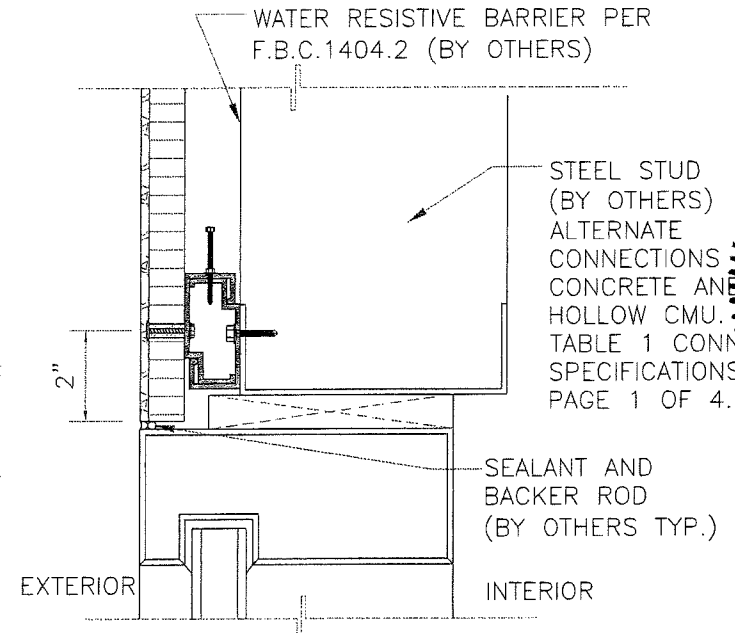
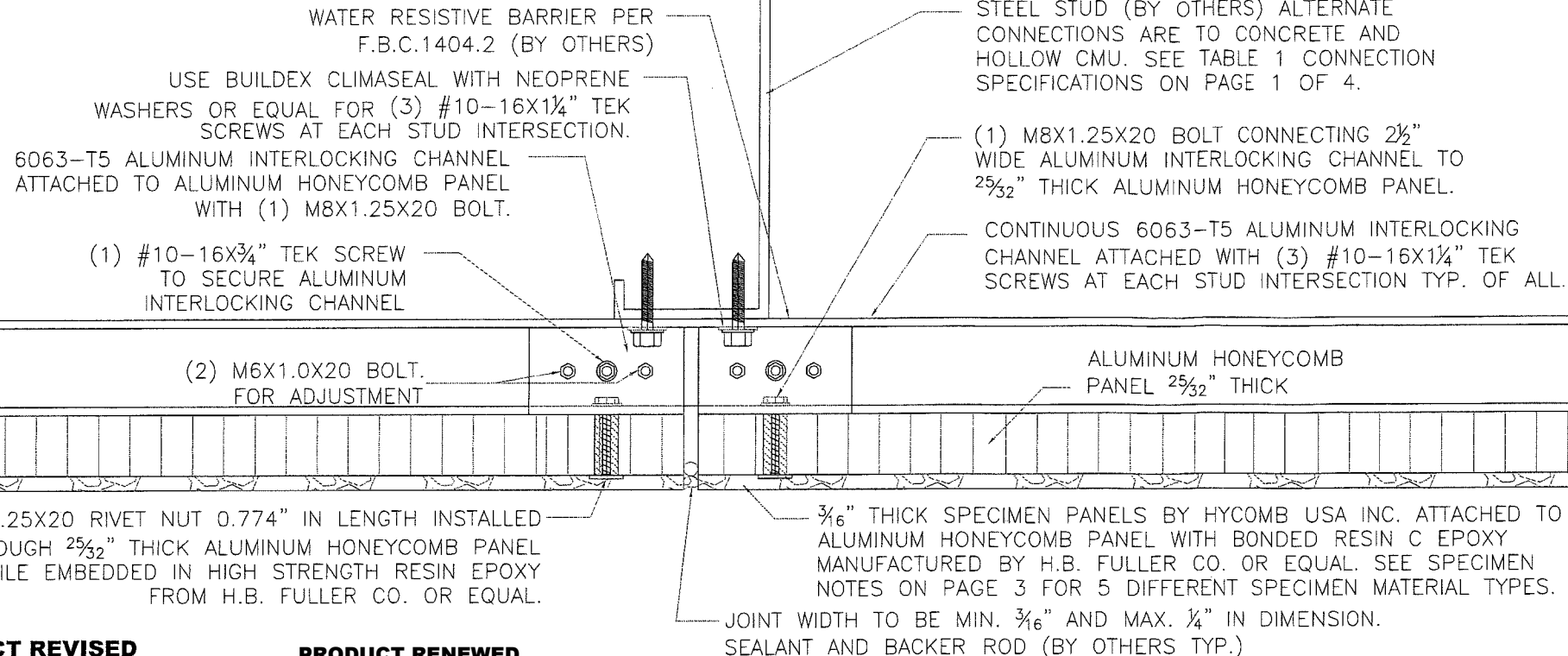
SCALE  
 AS SHOWN

BY  
 MSB YHH  
 CHKD

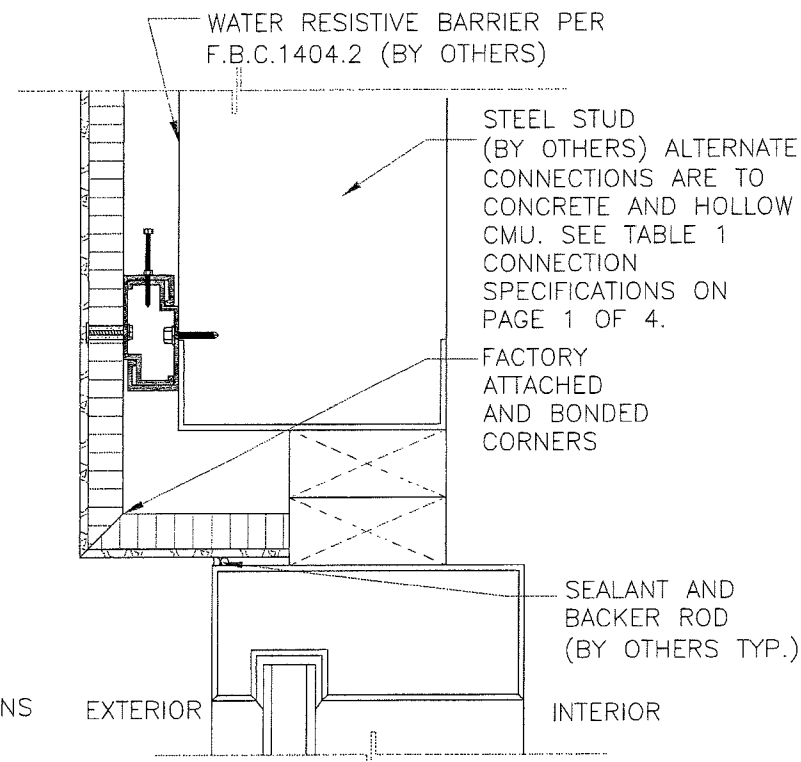
PROJECT NO.  
 H131730

DATE  
 4-1-2015

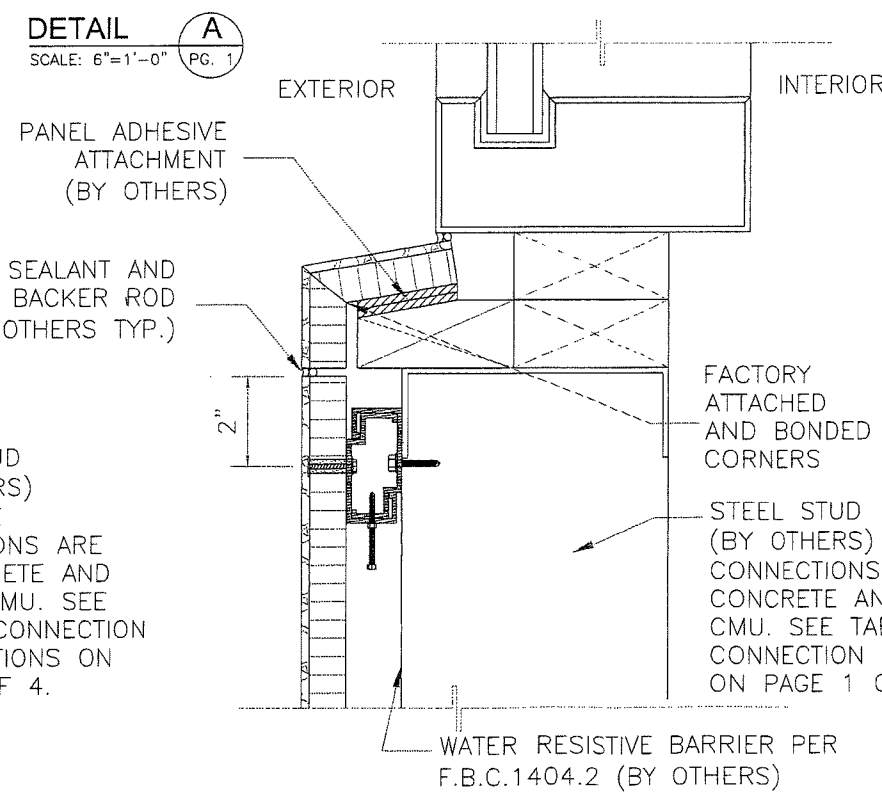
SHEET NUMBER  
 PAGE 3 OF 4



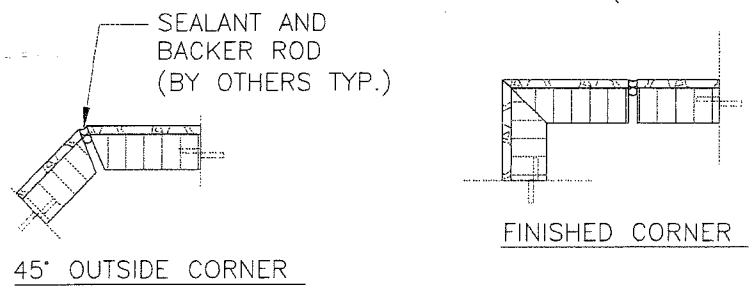
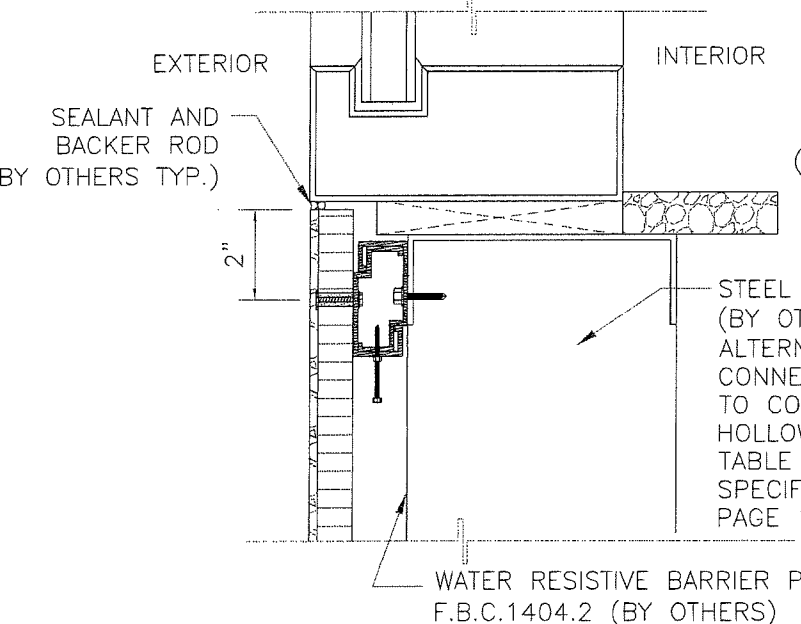
**TYPICAL WINDOW HEADER DETAIL**  
SCALE: 3"=1'-0"



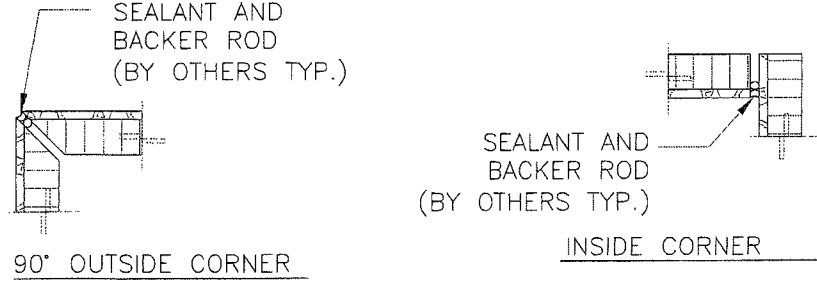
**TYPICAL WINDOW HEADER DETAIL**  
SCALE: 3"=1'-0"



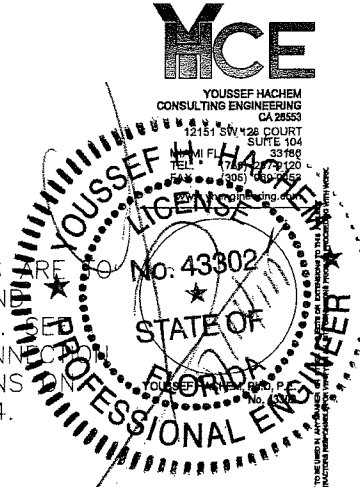
**TYPICAL WINDOW SILL DETAILS**  
SCALE: 3"=1'-0"



**TYPICAL CORNER DETAILS**  
SCALE: 3"=1'-0"



**TYPICAL CORNER DETAILS**  
SCALE: 3"=1'-0"



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Approved as complying with the  
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Date 08/20/2015  
NOA# 15-0415.07  
Miami Dade Product Control  
By

DATE	REVISION
DWG. TITLE ALUMINUM INTERLOCKING CHANNEL & DETAILS	
SCALE AS SHOWN	
BY	CHK'D
MSB	YHH
PROJECT NO. H131730	
DATE 4-1-2015	
SHEET NUMBER	
PAGE 4 OF 4	