



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

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 approval stamp with the Notice of Acceptance number and approval 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 consists of this page 1, evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
08/11/2015

NOA No 15-0415.07
Expiration Date: August 20, 2020
Approval Date: August 20, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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)

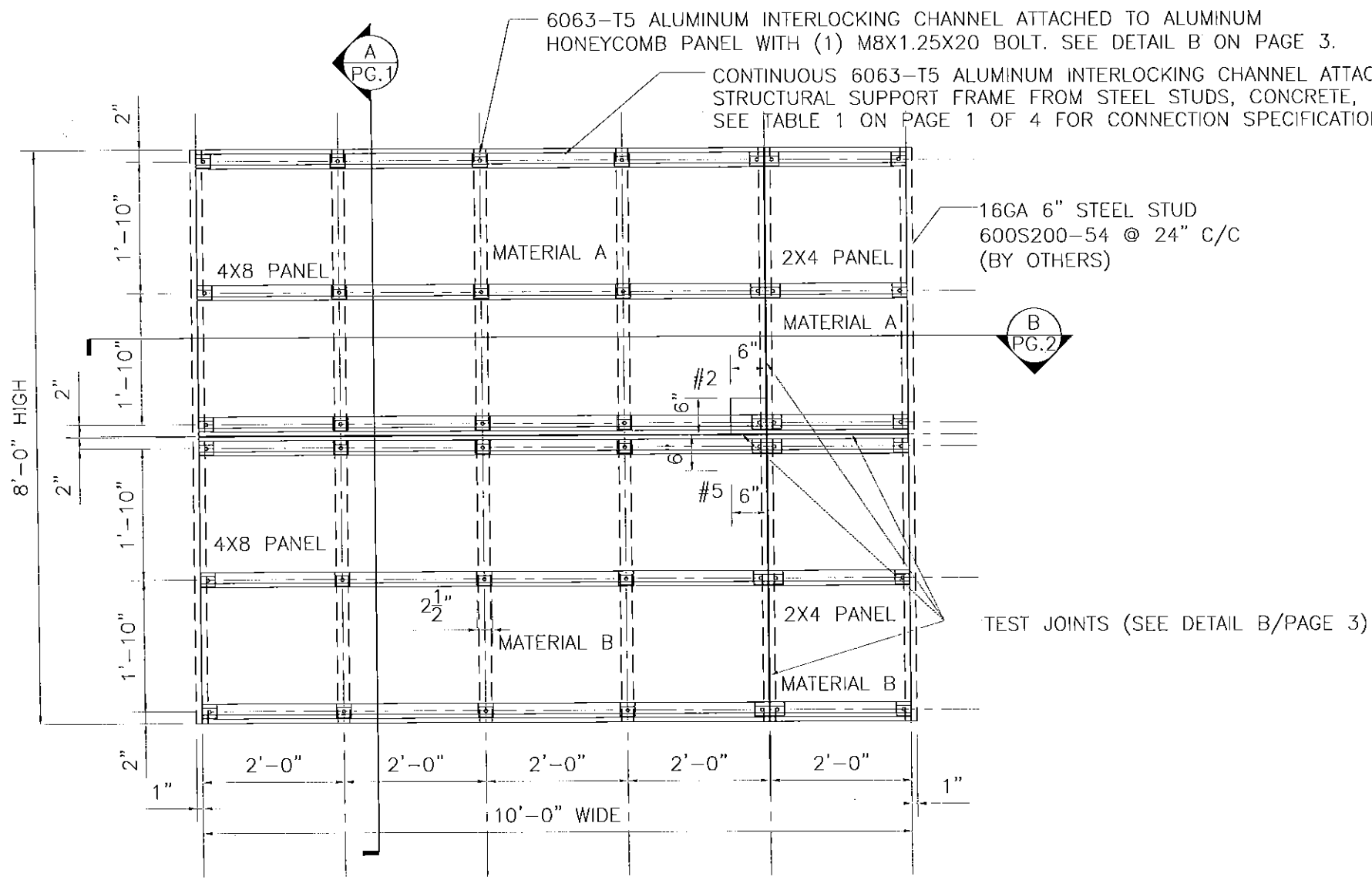
F. STATEMENTS

1. Statement letter of code conformance to 2010 and 5th 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.



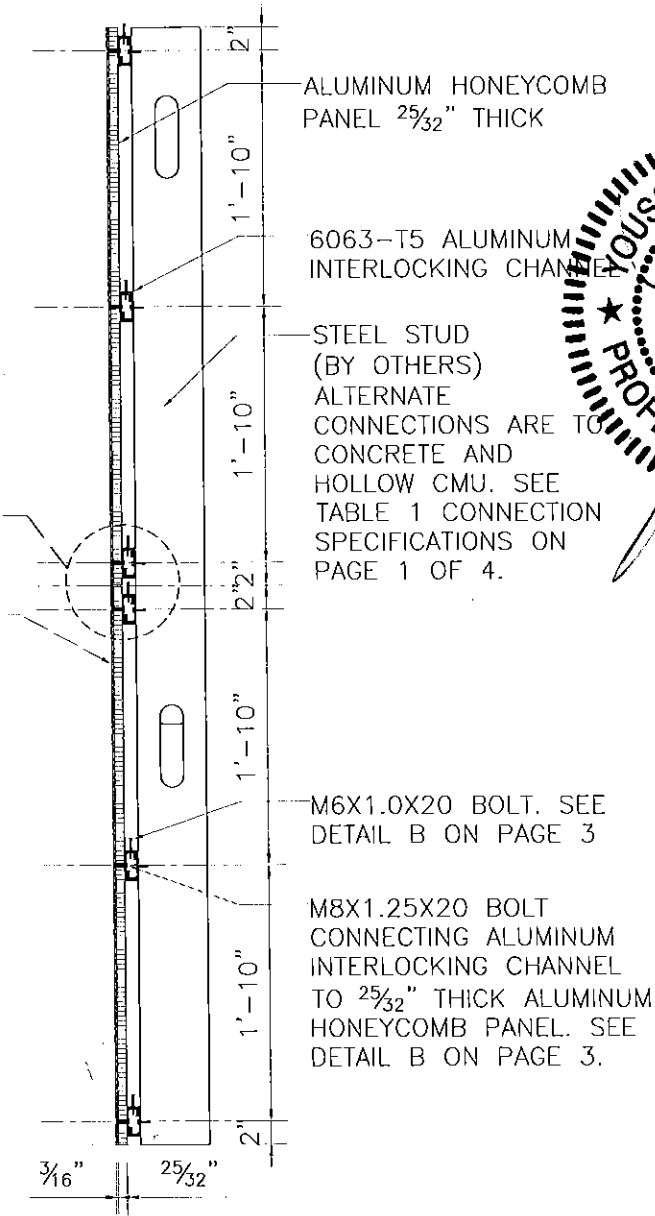
08/11/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 15-0415.07
Expiration Date: August 20, 2020
Approval Date: August 20, 2015

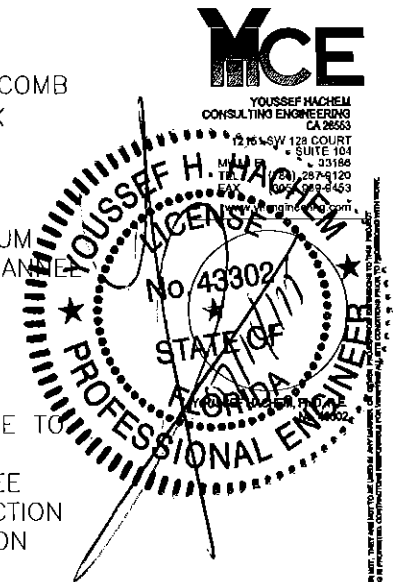


TEST PANEL DETAIL
SCALE: 1/2"=1'-0"

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

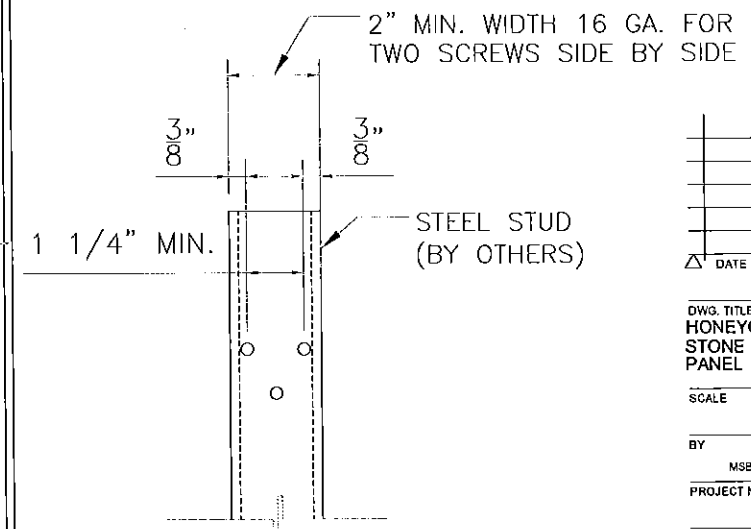


**HONEYCOMB STONE PANEL BY
HYCOMB USA, INC.**
208 NW 6th AVENUE
HALLANDALE BEACH, FL 33009

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 1/2" TEK SCREWS BY ITW BUILDEX OR EQUAL	3/STUD	3/8"	1 1/4"
2000 PSI MIN. CONCRETE COMPRESSIVE STRENGTH	3/16"Øx1 3/4" 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"

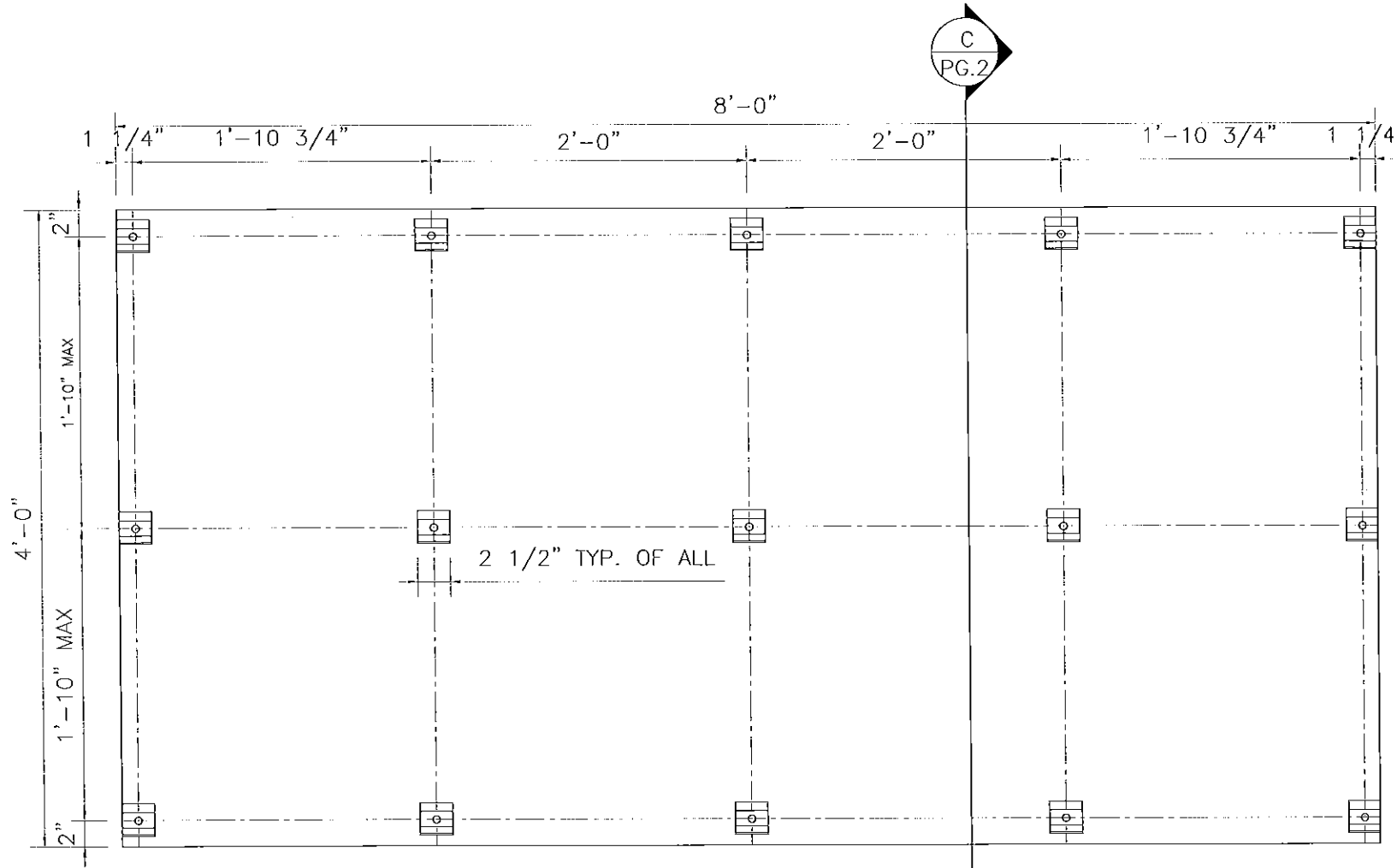
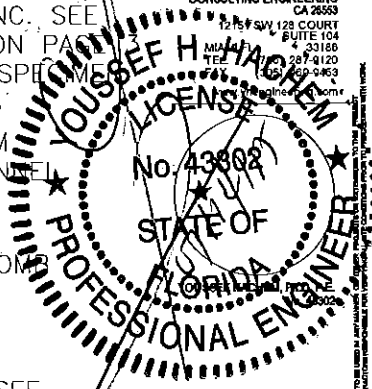
- NOTES:**
- 1) DESIGN PRESSURE RATING +100 PSF/-100 PSF
 - 2) LARGE AND SMALL MISSILE IMPACT RESISTANCE
 - 3) #10-16 TEK SCREWS SHALL BE HILTI SELF-DRILLING SCREWS (ESR 2196), ITW BUILDEX TEKS (ESR 1976) OR EQUAL.
 - 4) 3/16" DIAMETER CONCRETE/CMU TAPCONS SHALL BE ITW BUILDEX CONCRETE/CMU TAPCON ANCHORS 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.



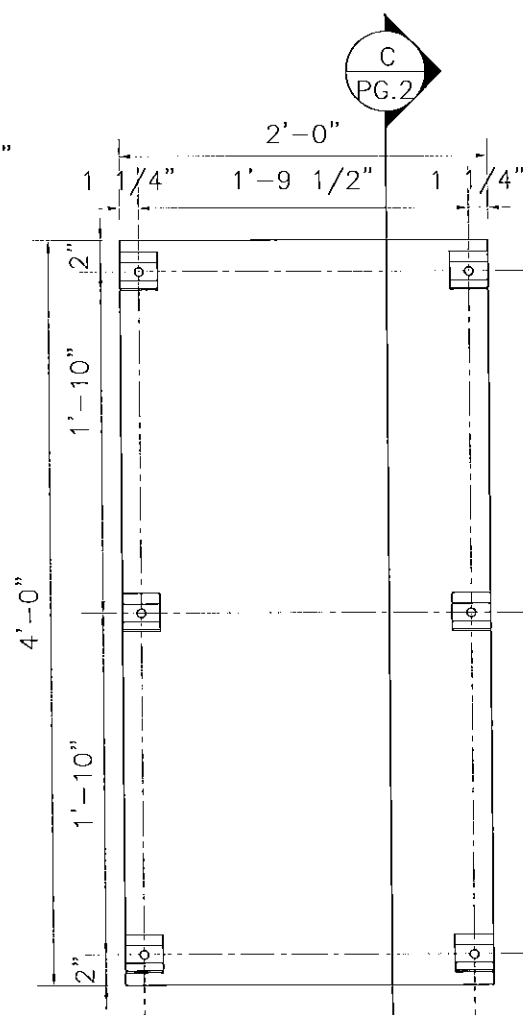
SPACING OF TEK SCREWS
SCALE: 3"=1'-0"

DATE	REVISION

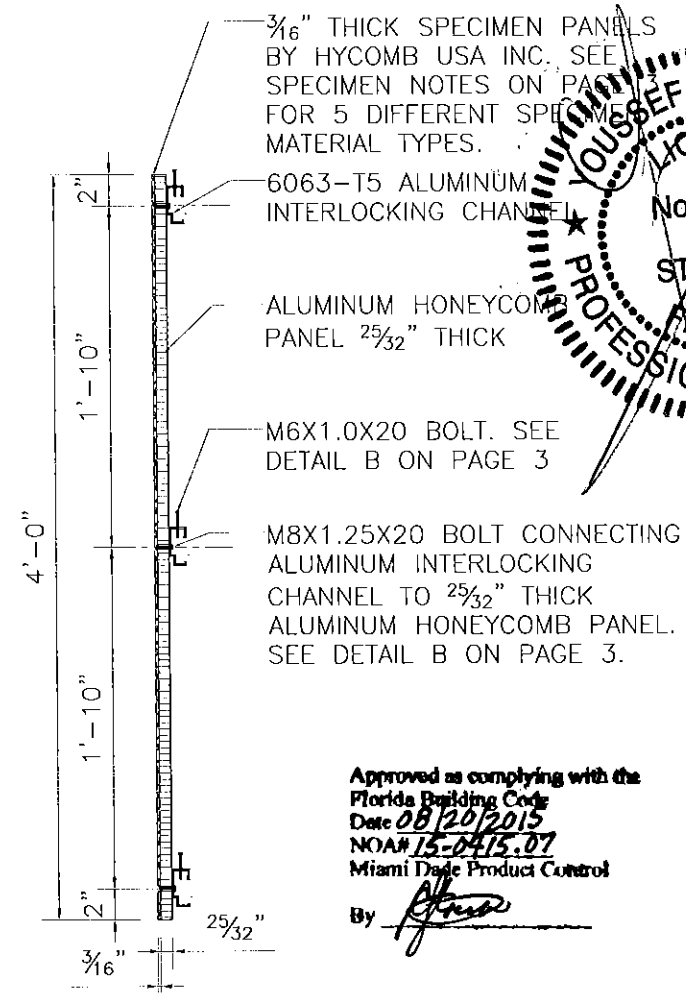
DWG. TITLE	HONEYCOMB STONE PANEL
SCALE	AS SHOWN
BY	MSB
CHKD	YHI
PROJECT NO.	H131730
DATE	4-1-2015
SHEET NUMBER	PAGE 1 OF 4



4'X8' PANEL BACK VIEW
SCALE: 1"=1'-0"



2'X4' PANEL BACK VIEW
SCALE: 1"=1'-0"



SECTION C
SCALE: 1"=1'-0" PG. 2

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

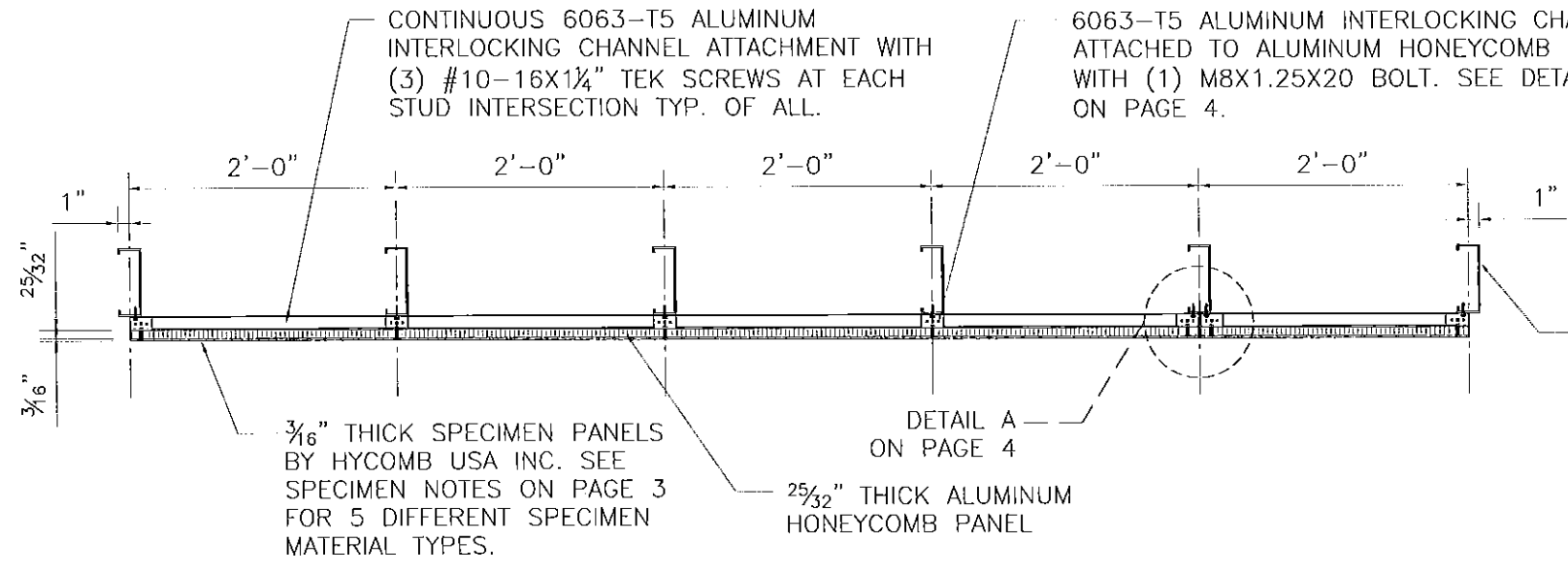
ALUMINUM HONEYCOMB PANEL 25/32" THICK

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

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

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

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



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

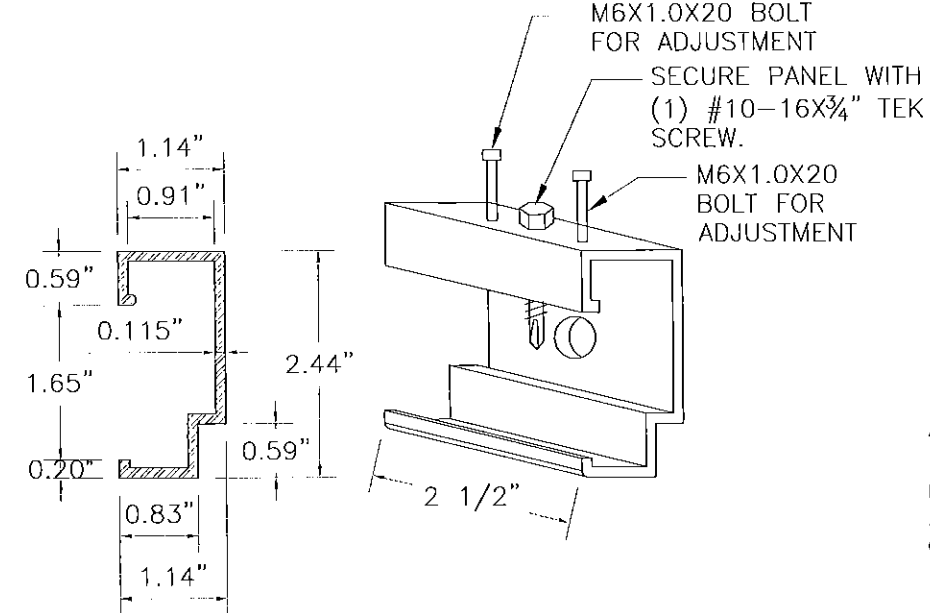
CONTINUOUS 6063-T5 ALUMINUM INTERLOCKING CHANNEL ATTACHMENT WITH (3) #10-16X1 1/4" TEK SCREWS AT EACH STUD INTERSECTION TYP. OF ALL.

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.

25/32" THICK ALUMINUM HONEYCOMB PANEL

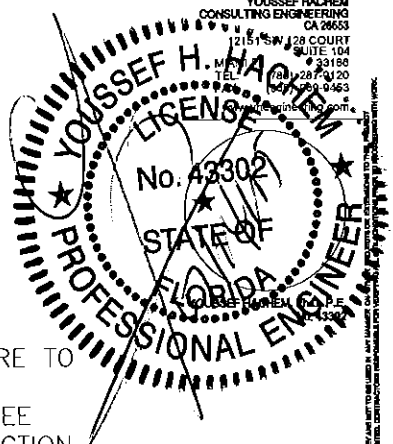
STEEL STUD (BY OTHERS) ALTERNATE CONNECTIONS ARE TO CONCRETE AND HOLLOW CMU. SEE TABLE 1 CONNECTION SPECIFICATIONS ON PAGE 1 OF 4.



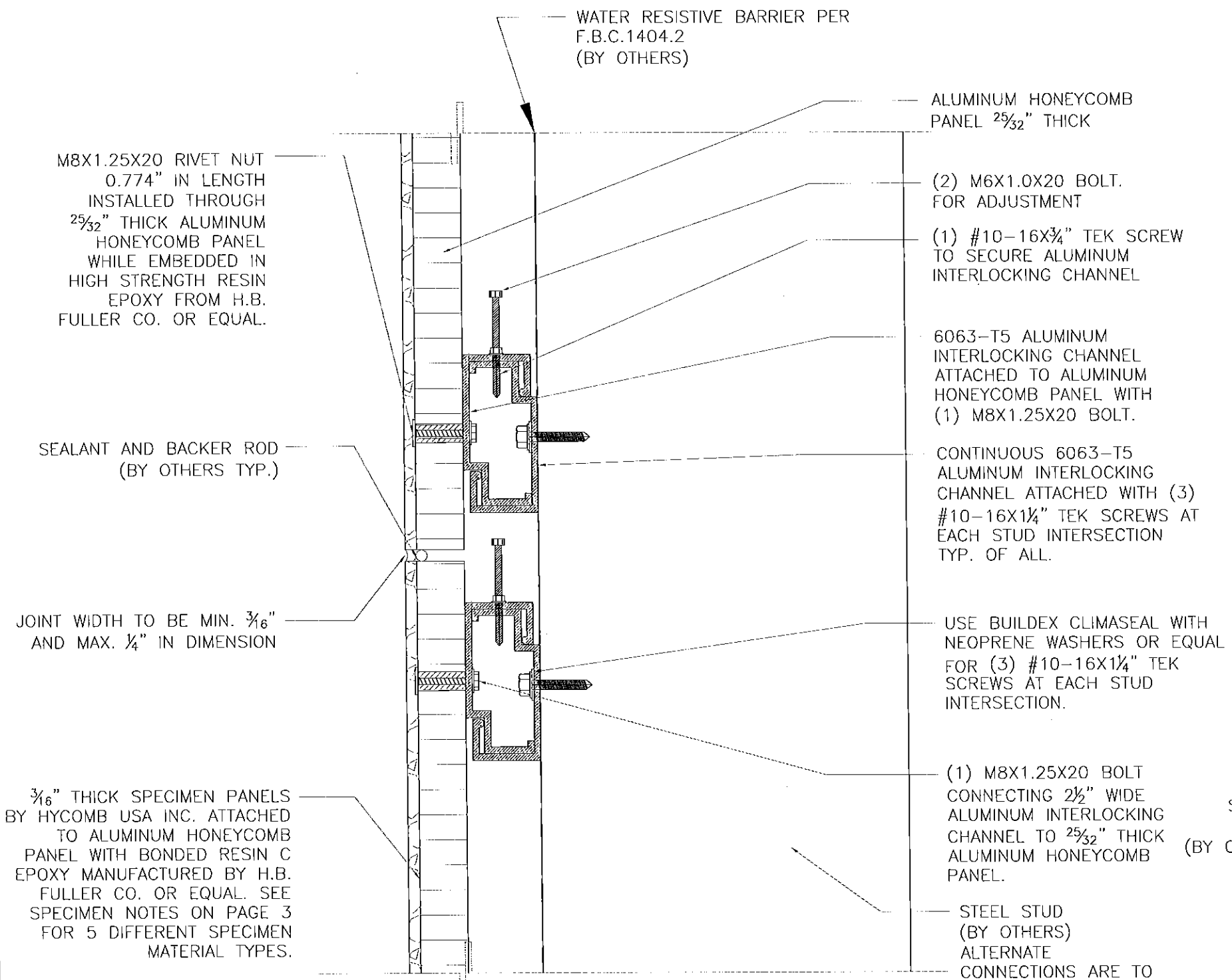
ALUMINUM INTERLOCKING CHANNEL DETAIL
SCALE: 6"=1'-0"

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	



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



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

SPECIMEN NOTES:

SPECIMEN 1 TAS 202 MATERIAL A (LIMESTONE), MATERIAL B (PORCELAIN)

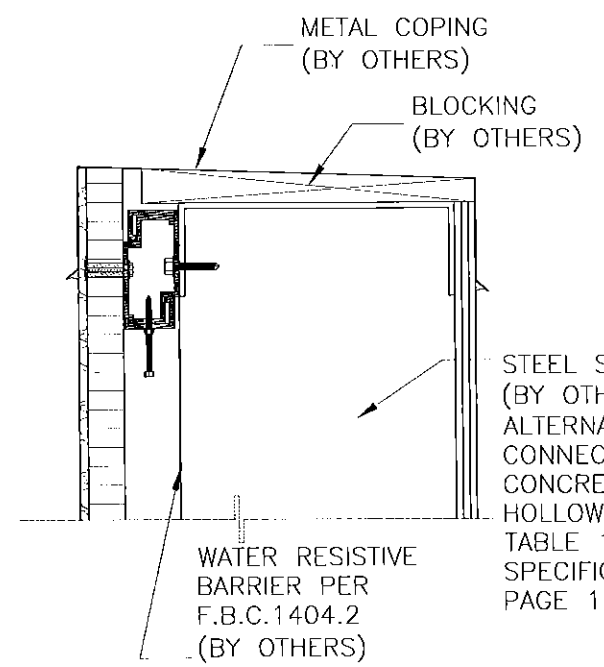
SPECIMEN 2 TAS 202 MATERIAL A (SANDSTONE), MATERIAL B (SANDSTONE)

SPECIMEN 3 TAS 202 MATERIAL A (MARBLE), MATERIAL B (GRANITE)

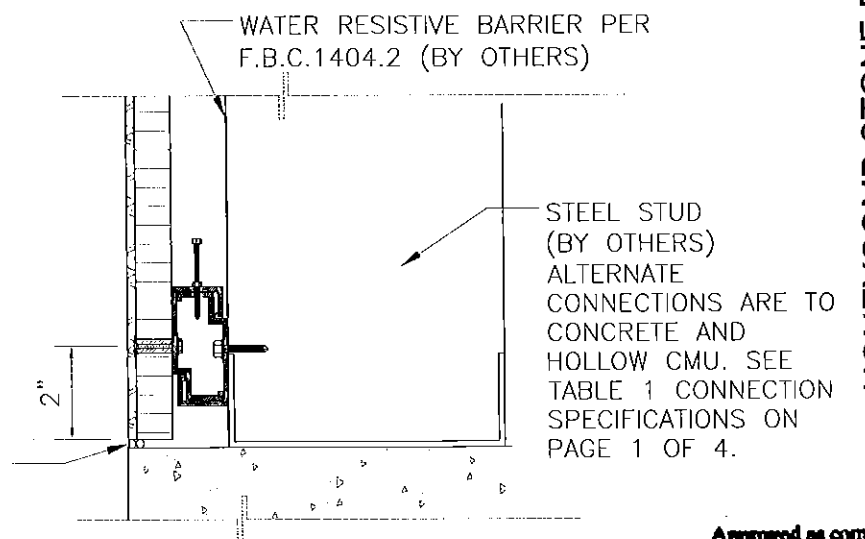
SPECIMEN 4 TAS 201/TAS 203 MATERIAL A (LIMESTONE), MATERIAL B (PORCELAIN)

SPECIMEN 5 TAS 201/TAS 203 MATERIAL A (SANDSTONE), MATERIAL B (SANDSTONE)

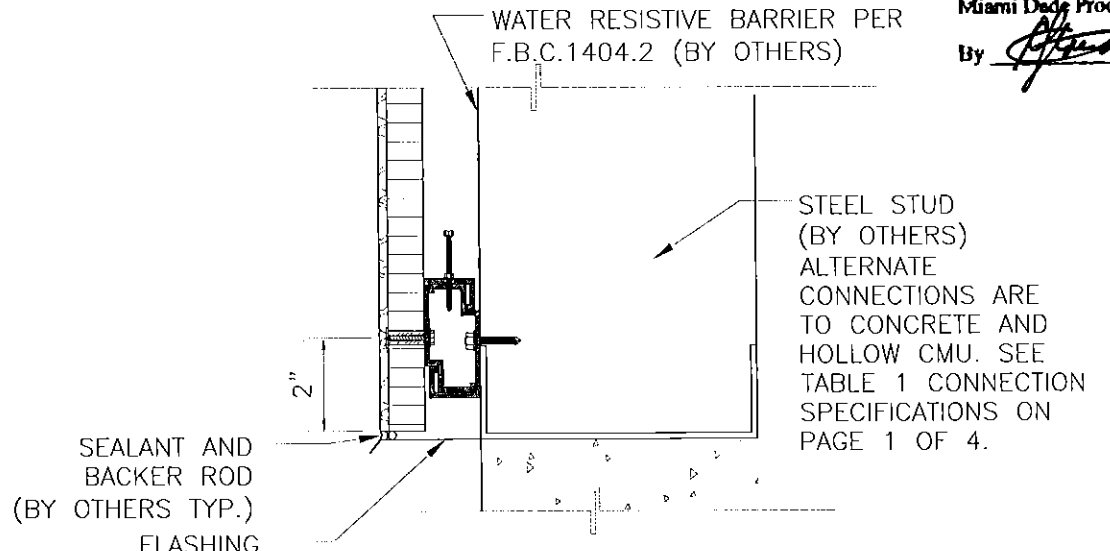
SPECIMEN 6 TAS 201/TAS 203 MATERIAL A (MARBLE), MATERIAL B (GRANITE)



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"

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Miami Dade Product Control
By *[Signature]*

DATE	REVISION

DWG. TITLE
ALUMINUM INTERLOCKING CHANNEL

SCALE AS SHOWN

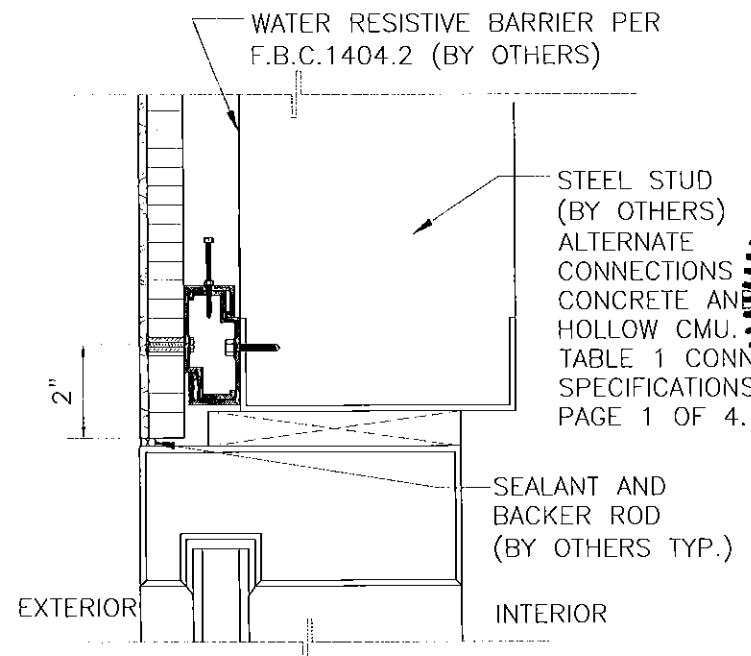
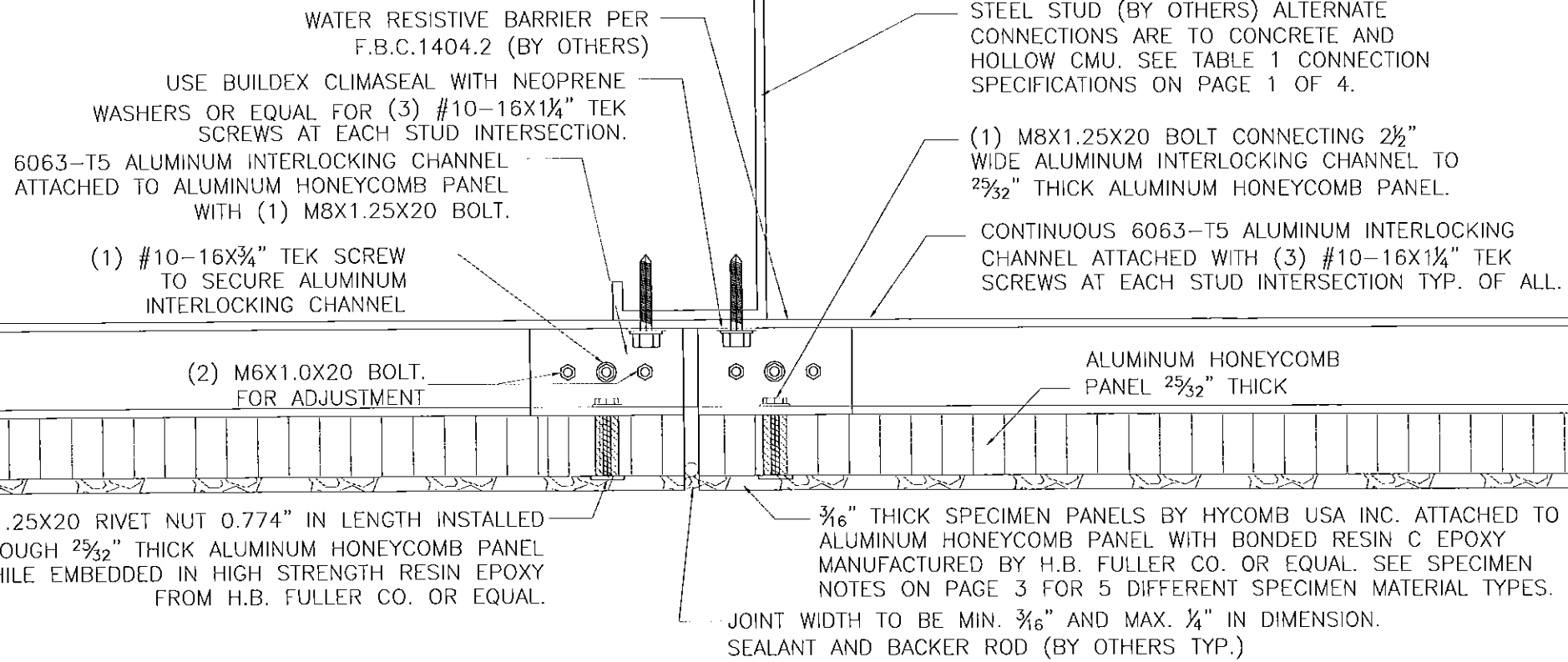
BY MSB CHKD YHB

PROJECT NO. H131730

DATE 4-1-2015

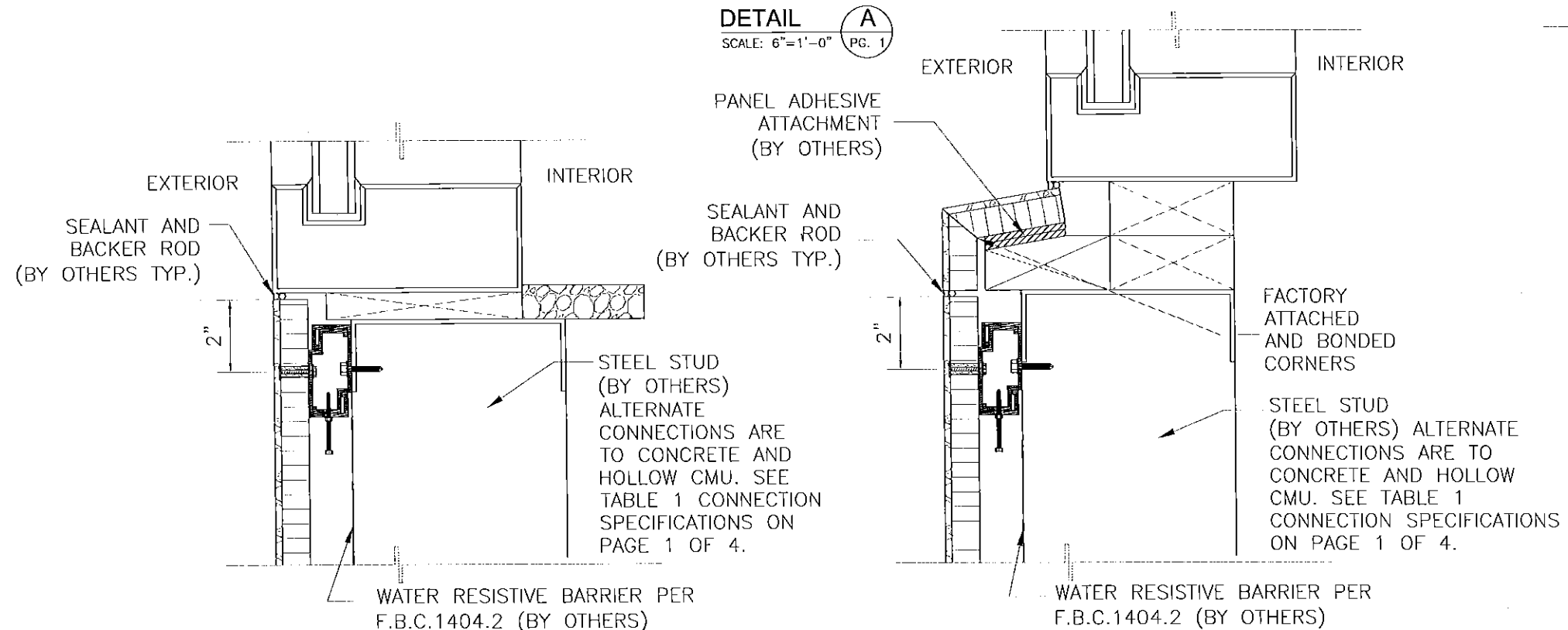
SHEET NUMBER

PAGE 3 OF 4

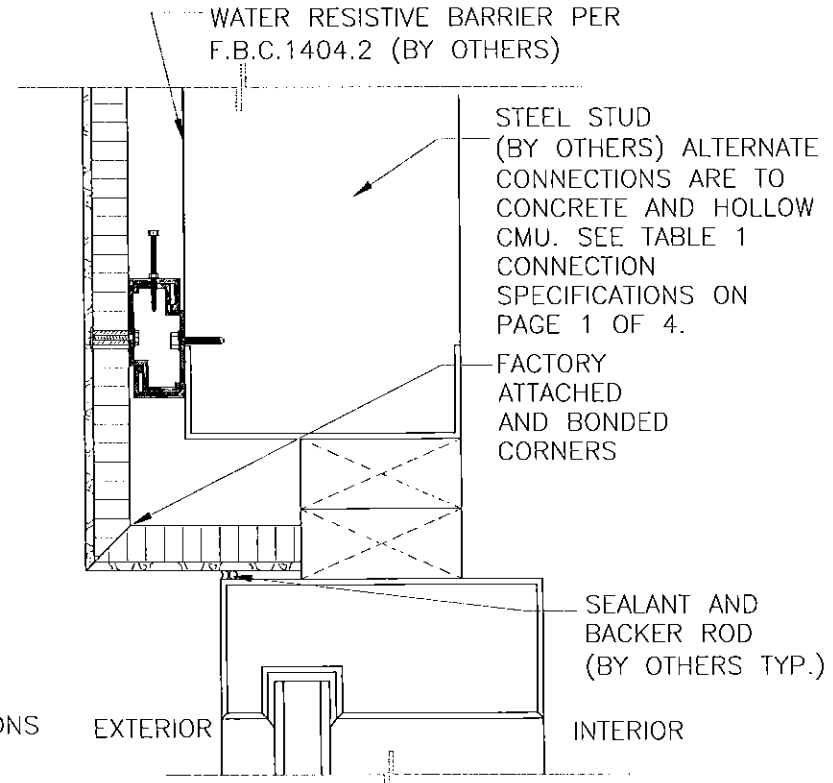


TYPICAL WINDOW HEADER DETAIL
SCALE: 3"=1'-0"

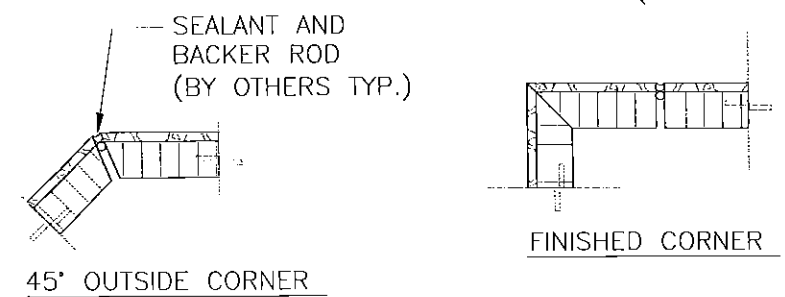
DETAIL A
SCALE: 6"=1'-0" PG. 1



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

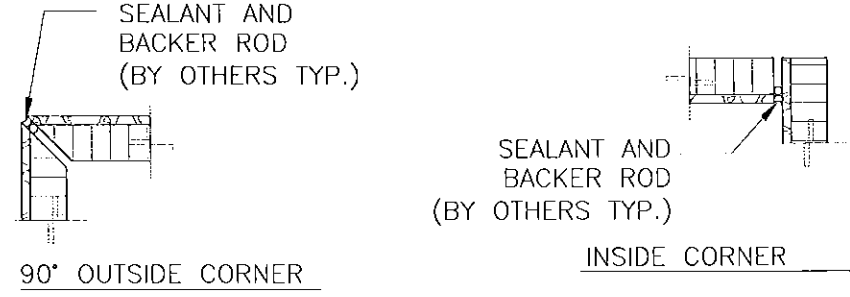


TYPICAL WINDOW HEADER DETAIL
SCALE: 3"=1'-0"

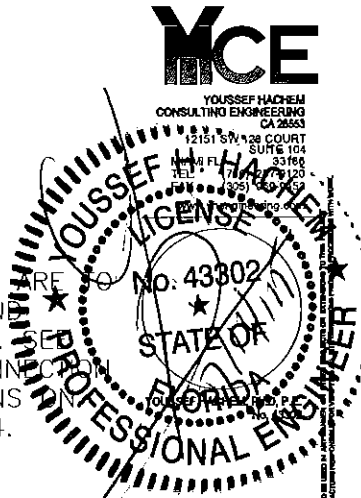


TYPICAL CORNER DETAILS
SCALE: 3"=1'-0"

Approved as complying with the Florida Building Code
Date 08/20/2015
NOA# 15-0615.07
Miami Dade Product Control
By *[Signature]*



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



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

DATE	REVISION

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