



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 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 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.



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 6th 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.

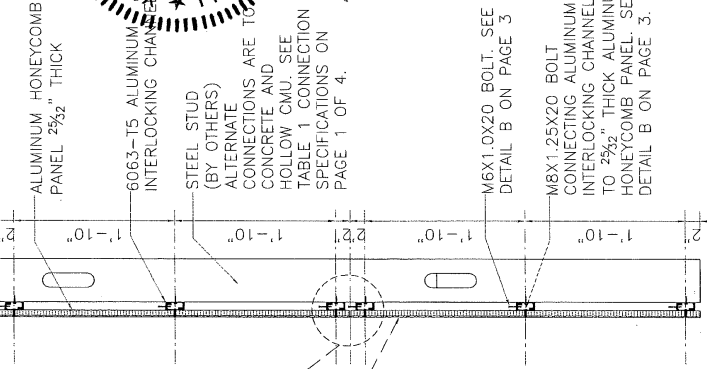


Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 20-0506.05
Expiration Date: August 20, 2025
Approval Date: June 4, 2020



ALUMINUM HONEYCOMB PANEL 2 1/2" THICK
 6063-T5 ALUMINUM INTERLOCKING CHANNEL
 STEEL STUD (BY OTHERS) ALTERNATE CONNECTIONS ARE TO CONCRETE AND HOLLOW CMU. SEE TABLE 1 CONNECTION SPECIFICATIONS ON PAGE 1 OF 4.
 M6X1.0X20 BOLT. SEE DETAIL B ON PAGE 3
 M8X1.25X20 BOLT CONNECTING ALUMINUM INTERLOCKING CHANNEL TO 2 1/2" THICK ALUMINUM HONEYCOMB PANEL. SEE DETAIL B ON PAGE 3.

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



6063-T5 ALUMINUM INTERLOCKING CHANNEL ATTACHED TO ALUMINUM HONEYCOMB PANEL WITH (1) M8X1.25X20 BOLT. SEE DETAIL B ON PAGE 3.
 CONTINUOUS 6063-T5 ALUMINUM INTERLOCKING CHANNEL ATTACHED TO STRUCTURAL SUPPORT FRAME FROM STEEL STUDS, CONCRETE, OR CMU. SEE TABLE 1 ON PAGE 1 OF 4 FOR CONNECTION SPECIFICATIONS.

16GA 6" STEEL STUD
 600S200-54 @ 24" C/C
 (BY OTHERS)

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

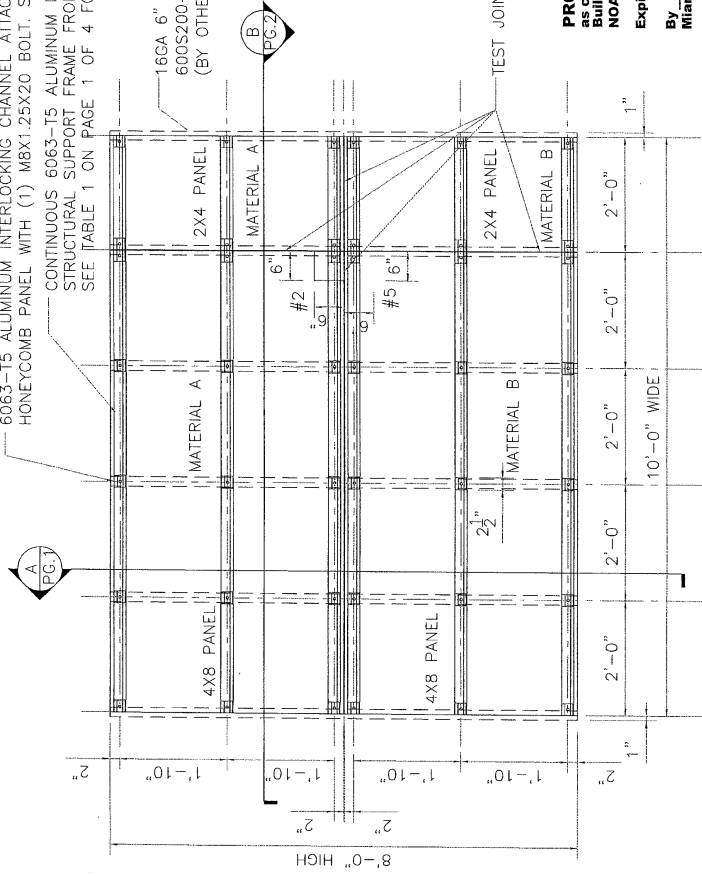


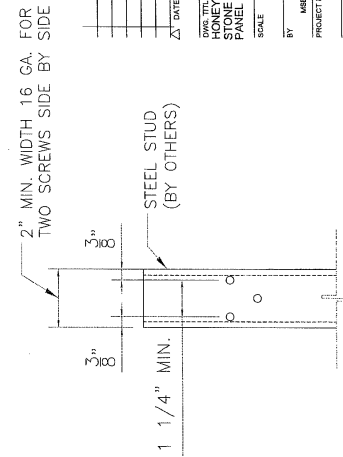
TABLE 1. CONNECTION SPECIFICATIONS

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 BUILDDEX OR EQUAL	3/STUD	3"	12"
2000 PSI MIN. CONCRETE COMPRESSIVE STRENGTH	1/2"x1 1/2" CONCRETE EMBEDMENT TAPCON ANCHORS FROM ITW BUILDDEX OR EQUAL	2/ SPACING 12" ALONG CHANNEL	1 1/8"	24"
MEDIUM WEIGHT CMU BLOCK DENSITY>117 PCF	1/2"x1 1/2" HOLLOW CMU FACE SHELL EMBEDMENT TAPCON ANCHORS FROM ITW BUILDDEX OR EQUAL	8/ SPACING 3" ALONG CHANNEL	2"	24"

NOTES:

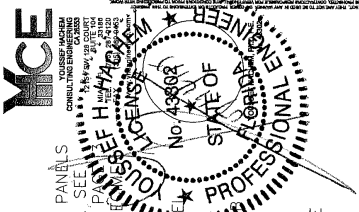
- DESIGN PRESSURE RATING +100 PSF/-100 PSF
- LARGE AND SMALL MISSILE IMPACT RESISTANCE
- #10-16 TEK SCREWS SHALL BE HILTI SELF-DRILLING SCREWS (ESR 2196), ITW BUILDDEX (ESR 1976) OR EQUAL.
- 3/16" DIAMETER CONCRETE/CMU TAPCONS SHALL BE ITW BUILDDEX CONCRETE/CMU TAPCON ANCHORS OR EQUAL
- L/180 MAXIMUM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

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



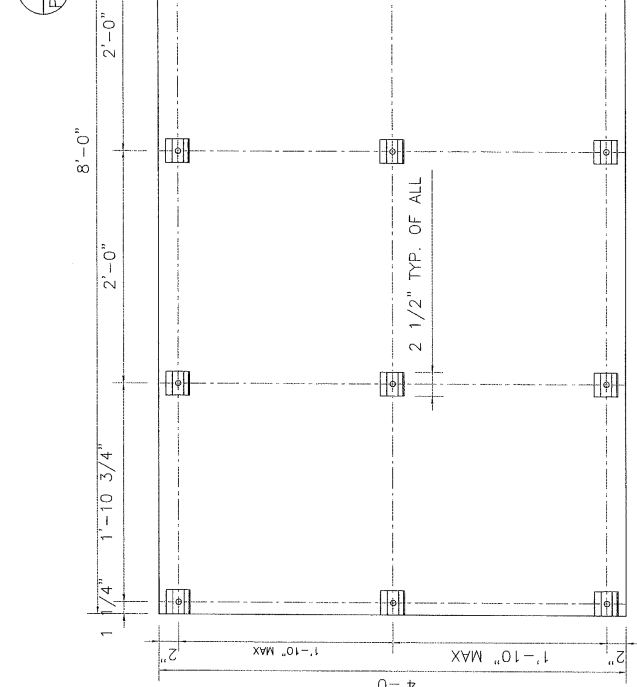
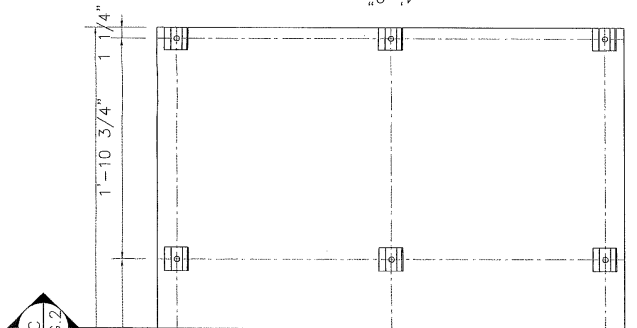
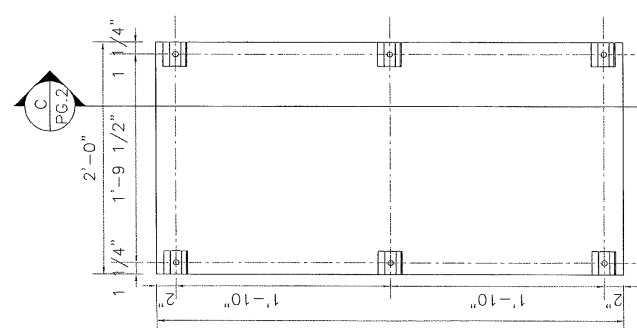
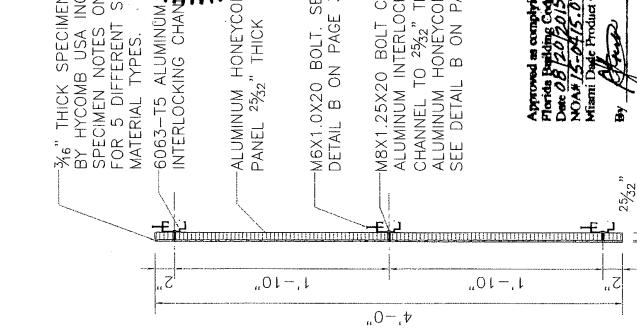
SPACING OF TEK SCREWS
 SCALE: 3/4"=1'-0"

DATE: 4-1-2015
 PROJECT NO.: H131730
 SHEET NO.: 4 OF 4
 HONEYCOMB STONE PANEL
 SCALE: AS SHOWN
 BY: MMB, CHD, YHH
 HALLANDALE BEACH, FL 33009



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

HYCOMB USA, INC.
 208 NW 6th Avenue
 Hallandale Beach, FL 33009

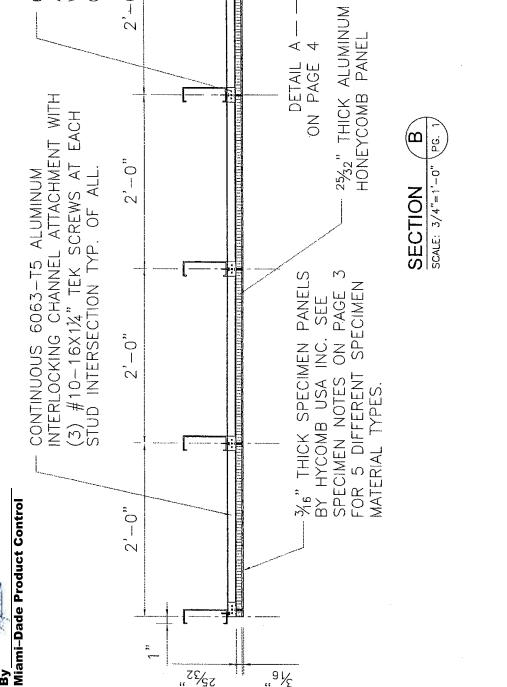
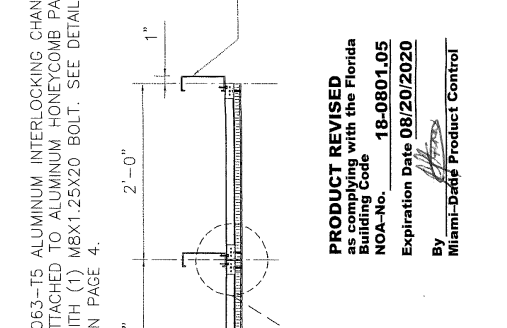
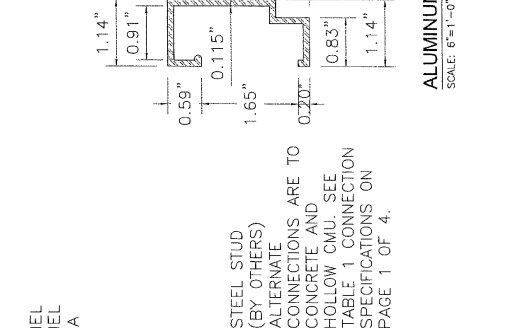
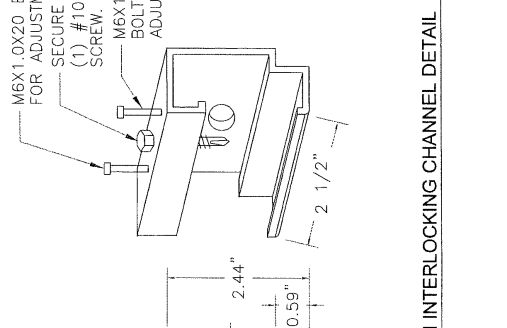


PRODUCT RENEWED
 Complying with the Florida Building Code
 Building Code 20-0506.05
 NOA-No. 20-0506.05
 Expiration Date 08/20/2025
 By: *[Signature]*
 Miami-Dade Product Control

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ALUMINUM INTERLOCKING CHANNEL DETAIL
 SCALE: 6"=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

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

ALUMINUM HONEYCOMB
 PANEL 2 $\frac{1}{2}$ " 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) M6X1.25X20 BOLT.

CONTINUOUS 6063-T5
 ALUMINUM INTERLOCKING
 CHANNEL ATTACHED WITH (3)
 #10-16X $\frac{1}{2}$ " TEK SCREWS AT
 EACH STUD INTERSECTION
 TYP. OF ALL.

USE BUILDEX CLIMASEAL WITH
 NEOPRENE WASHERS OR EQUAL
 FOR (3) #10-16X $\frac{1}{2}$ " TEK
 SCREWS AT EACH STUD
 INTERSECTION.

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

SEALANT AND BACKER ROD
 (BY OTHERS TYP.)

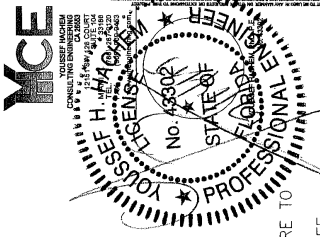
JOINT WIDTH TO BE MIN. $\frac{3}{16}$ "
 AND MAX. $\frac{1}{4}$ " IN DIMENSION

$\frac{3}{16}$ " 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 5
 FOR 5 DIFFERENT SPECIMEN
 MATERIAL TYPES.

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

SPECIMEN NOTES:

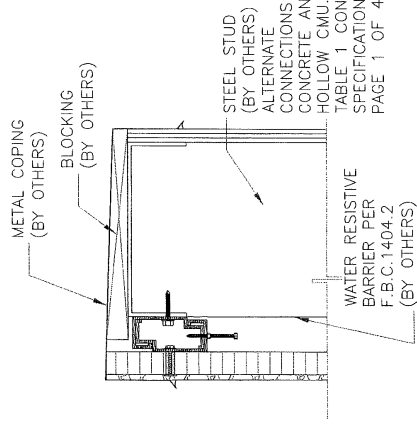
- SPECIMEN 1 TAS 202 MATERIAL A (LIMESTONE), MATERIAL B (PORCELAIN)
- SPECIMEN 2 TAS 202 MATERIAL A (SANDSTONE), MATERIAL B (SANDSTONE)
- SPECIMEN 3 TAS 202 MATERIAL A (MARBLE), MATERIAL B (GRANITE)
- SPECIMEN 4 TAS 201/TAS 203 MATERIAL A (LIMESTONE), MATERIAL B (PORCELAIN)
- SPECIMEN 5 TAS 201/TAS 203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



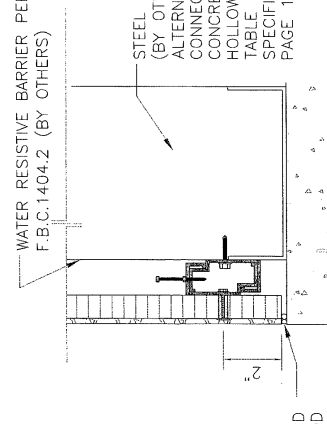
HONEYCOMB STONE PANEL BY
HYCOMB USA, INC.
 208 NW 8th Avenue,
 HALLANDALE BEACH, FL 33009

Approved as complying with the
 Florida Building Code
 Date 08/20/2025
 NOA-No. 18-0801.05
 Miami-Dade Product Control
 By *[Signature]*

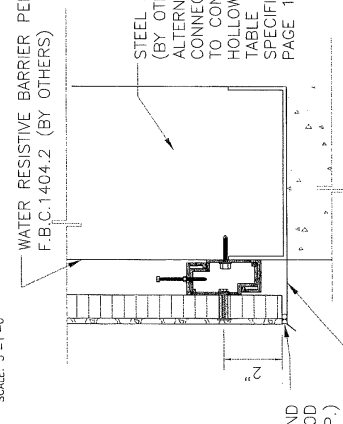
DATE	REVISION
BY	DATE
AS SHOWN	DATE
DATE	DATE
SHEET NUMBER	SHEET NUMBER
H131730	4-1-2015



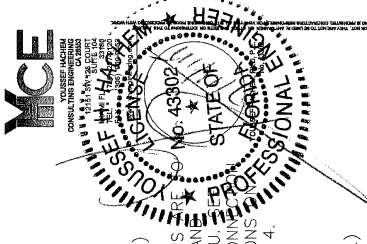
TYPICAL COPING DETAIL
 SCALE: 3"=1'-0"



TYPICAL BOTTOM OF WALL DETAILS
 SCALE: 3"=1'-0"

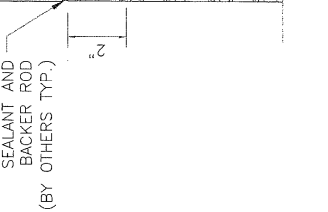
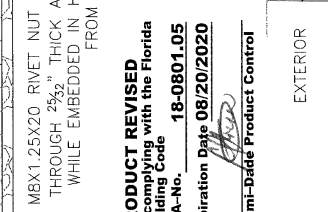
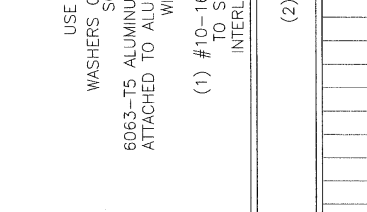
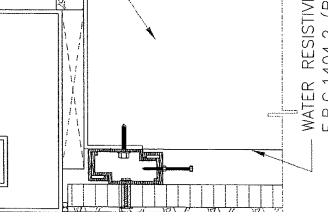
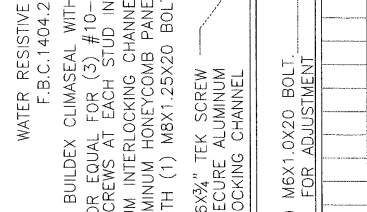
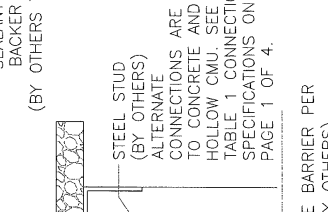
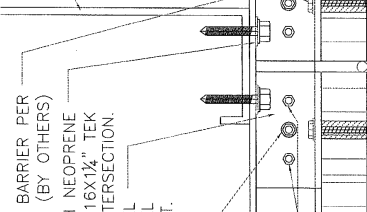
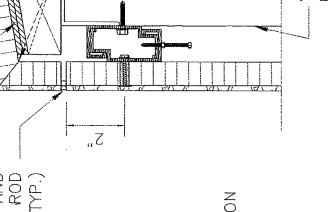
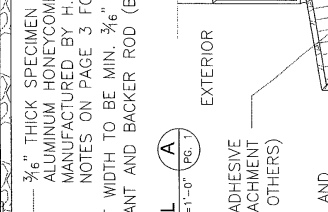
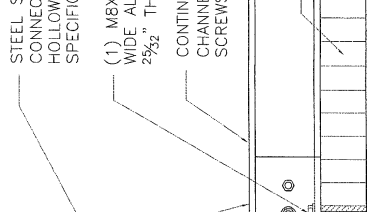
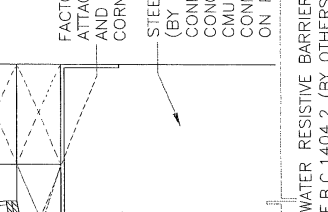
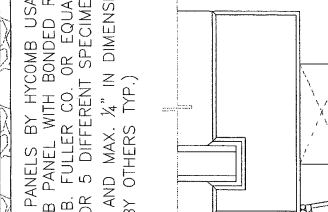
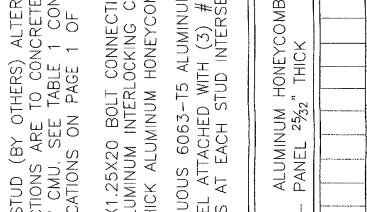
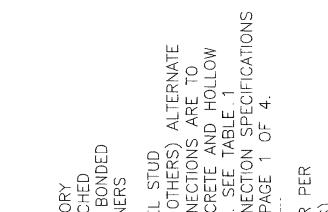
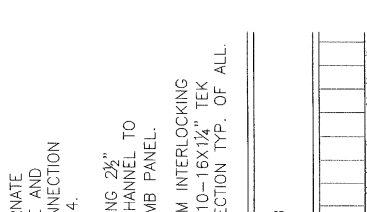
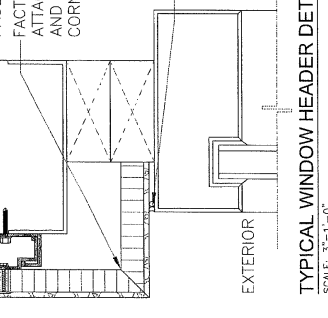
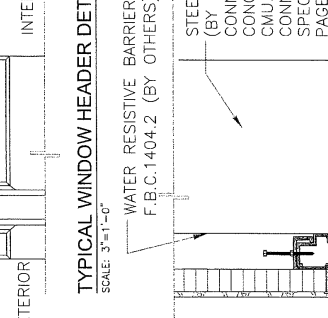
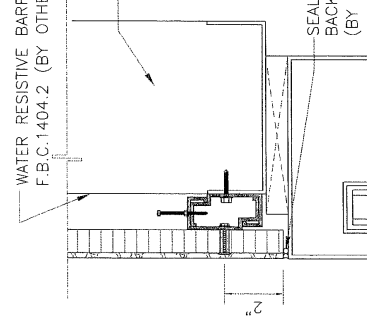


TYPICAL BOTTOM OF WALL DETAILS
 SCALE: 3"=1'-0"



NCE
YOURSE HONORING THE PUBLIC INTEREST
CONSULTING ENGINEERING
CORPORATION
1111 N.W. 107th Ave.
Suite 100
Hallandale Beach, FL 33009

HONEYCOMB STONE PANEL BY HYCOMB USA, INC.
202 NW 6th Avenue
Hallandale Beach, FL 33009



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

USE BUILDUP CLIMASEAL WITH NEOPRENE WASHERS OR EQUAL FOR (3) #10-16x1 1/4" TEK SCREWS AT EACH STUD INTERSECTION.

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

(1) #10-16x3/4" TEK SCREW TO SECURE ALUMINUM INTERLOCKING CHANNEL

(2) M6X1.0X20 BOLT, FOR ADJUSTMENT

ALUMINUM HONEYCOMB PANEL 2 3/32" THICK

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.

JOINT WIDTH TO BE MIN. 3/16" AND MAX. 1/4" IN DIMENSION.

SEALANT AND BACKER ROD (BY OTHERS TYP.)

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

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

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

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

SEALANT AND BACKER ROD (BY OTHERS TYP.)

SEALANT AND BACKER ROD (BY OTHERS TYP.)

SEALANT AND BACKER ROD (BY OTHERS TYP.)

SEALANT AND BACKER ROD (BY OTHERS TYP.)

90° OUTSIDE CORNER
SCALE: 3"=1'-0"

TYPICAL CORNER DETAILS

90° INSIDE CORNER
SCALE: 3"=1'-0"

TYPICAL CORNER DETAILS

45° OUTSIDE CORNER
SCALE: 3"=1'-0"

TYPICAL CORNER DETAILS

FINISHED CORNER

Approved as complying with the Florida Building Code
Date **08/22/2015**
NOA# **15-0415.07**
Miami-Dade Product Control

By *[Signature]*

NO.	DATE	REVISION

PROJECT TITLE: ALUMINUM INTERLOCKING CHANNEL & DETAILS SCALE

AS SHOWN

BY: MMB CHD VHM

PROJECT NO: H131730

DATE: 4.1.2015

SHEET NUMBER: PAGE 4 OF 4