



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)

**Worthington Armstrong Venture (WAVE)**  
**101 Lindenwood Drive Suite 350**  
**Malvern, PA 19355**

**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: EIFS & STUCCO Ceiling System – N.I.**

**APPROVAL DOCUMENT:** Drawing No. **WAV0001 Rev J**, titled “EIFS & STUCCO Ceiling System”, sheets 1 through 6 of 6, dated 06/18/2004 and last revised on 02/23/2022, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoroso, 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: None**

**LABELING:** Each unit or component shall bear a permanent label (grid piece at not more than 4’ o.c.) with manufacturer’s name or logo, Aberdeen, MD and following statement: "Miami-Dade County Product Control Approved" or on packaging per FBC 1709.10.3. Units or components include containers and boards.

**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 **revises & renews NOA # 20-1015.03** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



*Ishaq I. Chanda*

**NOA No. 22-0309.04**  
**Expiration Date: March 17, 2026**  
**Approval Date: April 07, 2022**  
**Page 1**

**Worthington Armstrong Venture (WAVE)**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. Evidence submitted under previous NOA's**

**A. DRAWINGS “Submitted under NOA #15-0127.04”**

1. Drawing No. **WAV0001**, titled “EIFS & STUCCO Ceiling System”, sheets 1 through 6 of 6, dated 06/18/2004, with revision H dated 01/19/2015, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.

**B. TESTS “Submitted under NOA #04-0716.03”**

1. Test report on Cyclic Load Pressure Test per FBC, TAS 203-94 and test report on Uniform Static Load Test per FBC, TAS 202-94 of EIFS Ceiling System, prepared by Architectural Testing Report No. **01-46423.01**, dated 03/08/2004, signed and sealed by J. A. Reed, P.E.

**“Submitted under NOA #04-0716.03”**

2. Test report on Cyclic Load Pressure Test per FBC TAS 203-94 and test report on Uniform Static Load Test per FBC, TAS 202-94 of Stucco Ceiling System, prepared by Architectural Testing Report No. **01-46412.02**, dated 03/08/2004, signed and sealed by J. A. Reed, P.E.

**C. CALCULATIONS “Submitted under NOA #07-0119.02”**

1. Anchor calculations prepared by PTC, LLC, Report No. **131-B**, dated 11/30/2006, pages 1 through 6 and Report No. **131-C**, dated 01/24/2007, pages 1 through 6, signed and sealed by Eric S. Nielsen, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS “Submitted under NOA #15-0127.04”**

1. Statement letter of code conformance to the 5<sup>th</sup> edition (2014) FBC and of no financial interest, issued by PTC Product Design Group, LLC, dated 01/19/2015, signed and sealed by Robert J. Amoruso, P.E.

**G. OTHERS**

1. Notice of Acceptance No. **12-0314.05**, issued to Worthington Armstrong Venture (WAVE) for their EIFS & STUCCO Ceiling System – N.I, approved on 06/07/2012 and expiring on 03/17/15.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 22-0309.04**  
**Expiration Date: March 17, 2026**  
**Approval Date: April 07, 2022**

**Worthington Armstrong Venture (WAVE)**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. Evidence submitted under NOA # 18-1120.12**

**A. DRAWINGS**

1. Drawing No. **WAV0001**, titled “EIFS and STUCCO Ceiling System”, sheets 1 through 6 of 6, dated 06/18/2004, with revision I dated 11/01/2018, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None

**F. STATEMENTS**

1. Statement letter of code conformance to the **FBC 6<sup>th</sup> Edition (2017)**, issued by PTC Product Design Group, LLC, dated 11/01/2018, signed and sealed by Robert J. Amoruso, P.E.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 22-0309.04**  
**Expiration Date: March 17, 2026**  
**Approval Date: April 07, 2022**

**Worthington Armstrong Venture (WAVE)**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. New evidence submitted**

**A. DRAWINGS**

1. None.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to the FBC 7<sup>th</sup> Edition (2020) and of no financial interest, issued by PTC Product Design Group, LLC, dated 03/22/2021, signed and sealed by Robert J. Amoruso, P.E.
2. Statement letter confirming verification testing contracted with ATI/Intertek, dated 08/16/2019, signed by Timothy J. McGill, Product Testing Manager.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 22-0309.04**  
**Expiration Date: March 17, 2026**  
**Approval Date: April 07, 2022**

**Worthington Armstrong Venture (WAVE)**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. New evidence submitted**

**A. DRAWINGS**

1. Drawing No. **WAV0001 Rev J**, titled “EIFS & STUCCO Ceiling System”, sheets 1 through 6 of 6, dated 06/18/2004 and last revised on 02/23/2022, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.

**B. TESTS**

1. 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) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of Stucco Ceiling System, prepared by Intertek Testing, Inc., Test Report No. **M9876.01-109-18**, dated 01/20/2022, signed and sealed by Vinu Abraham, P.E.

**C. CALCULATIONS (submitted under previous approval)**

1. None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to the FBC 7<sup>th</sup> Edition (2020) and request for renewal with no change, issued by PTC Product Design Group, LLC, dated 02/23/2022, signed and sealed by Robert J. Amoruso, P.E
2. Statement letter of code conformance to the FBC 7<sup>th</sup> Edition (2020) and of no financial interest, issued by PTC Product Design Group, LLC, dated 03/22/2021, signed and sealed by Robert J. Amoruso, P.E.

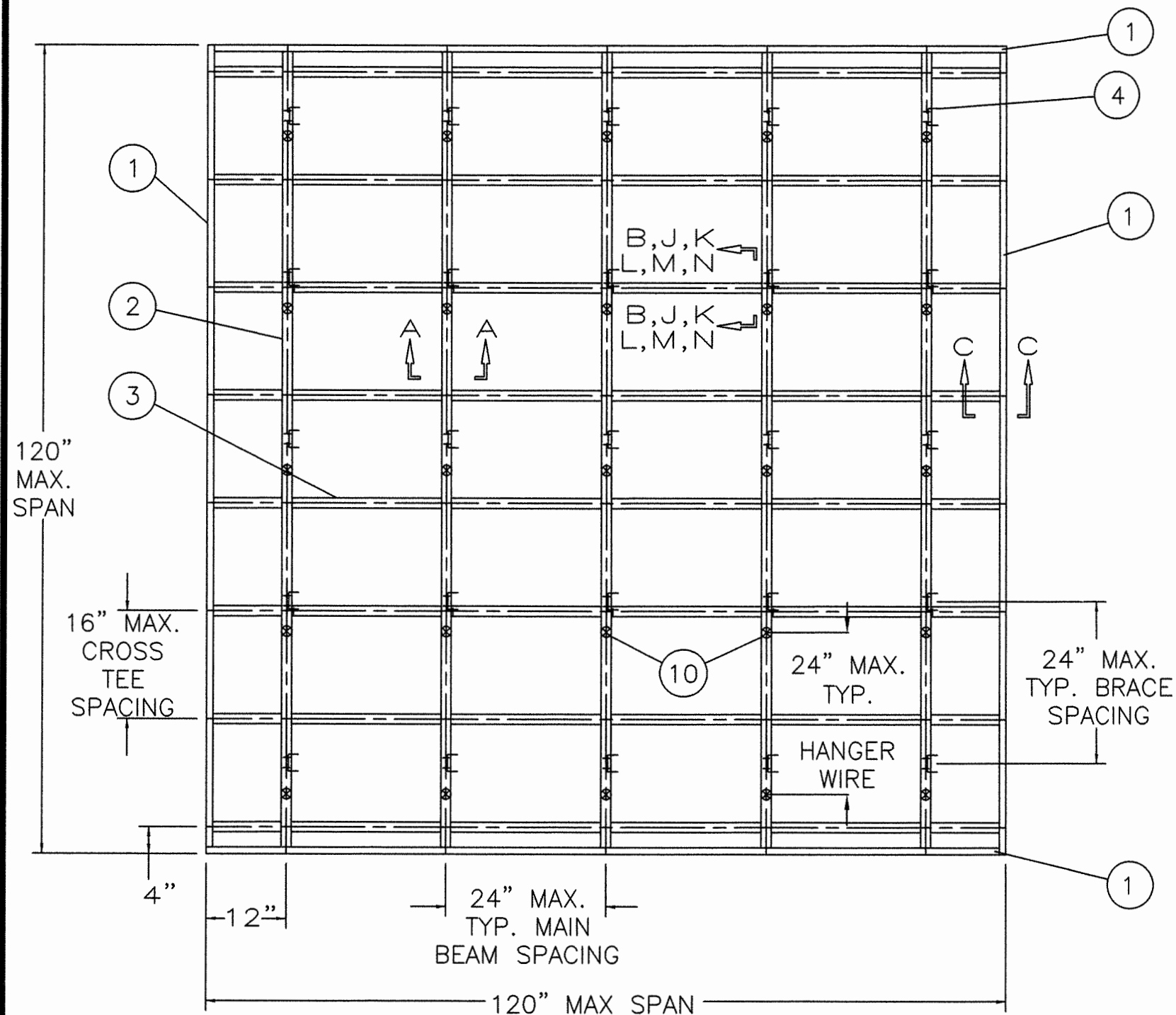
**G. OTHER**

1. This NOA **revises and renews NOA # 20-1015.03**, expiring **03/17/2026**.
2. e-mail test proposal dated 08/12/21, issued by RER.

*Ishaq I. Chanda*

**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 22-0309.04**  
**Expiration Date: March 17, 2026**  
**Approval Date: April 07, 2022**





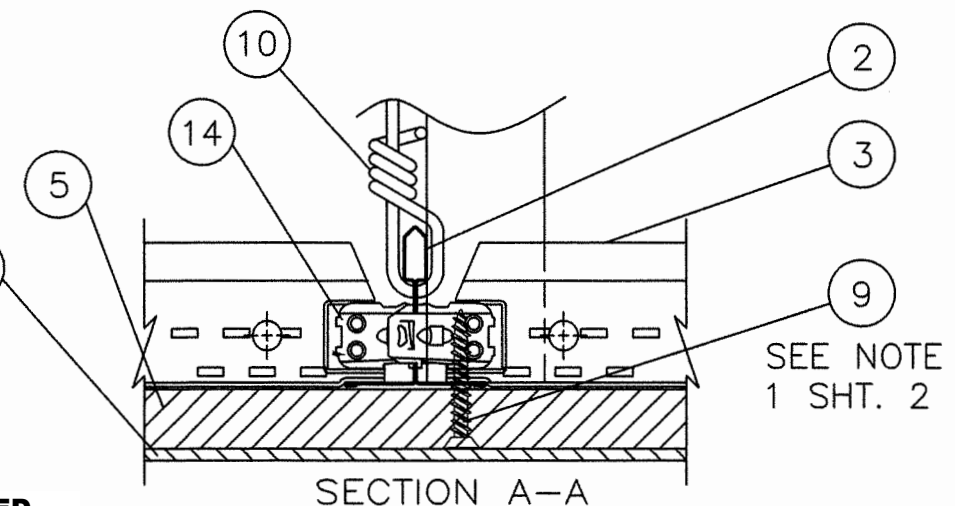
EIFS LAYOUT

NOT IMPACT RESISTANT  
DESIGN PRESSURE CAPACITY  
+75.0/-75.0 PSF MAXIMUM

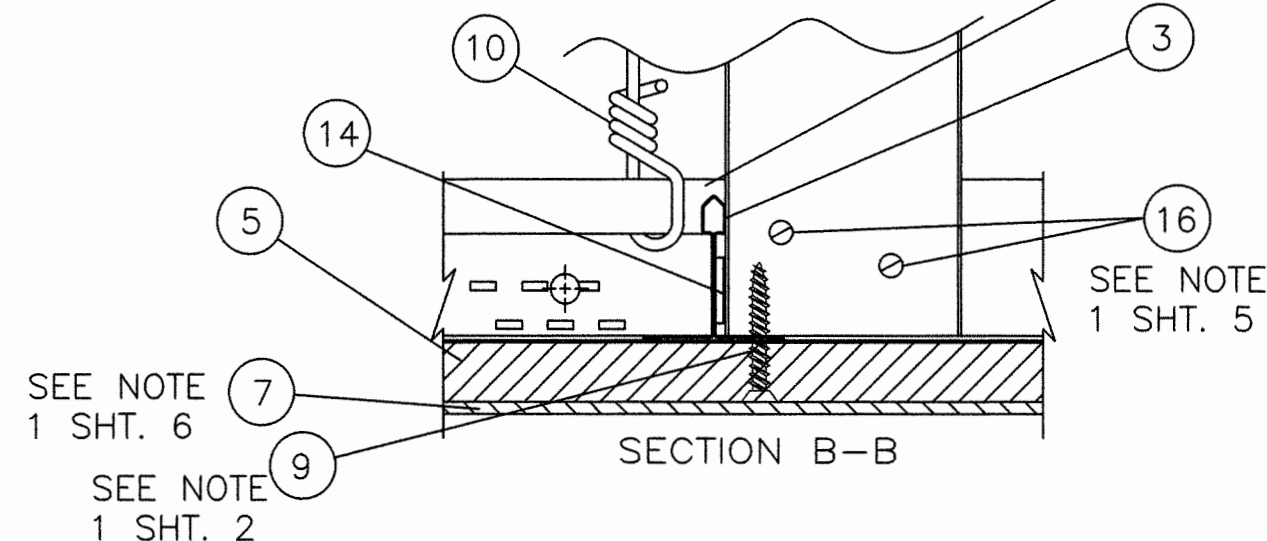
SYM	REVISION	DATE	BY
J	Updated to 7TH EDITION FBC (2020)	2/23/22	RJA
I	Updated to 6TH EDITION FBC (2017)	11/1/18	RJA
H	Updated to 5TH EDITION FBC (2014)	1/19/15	RJA

SEE NOTE  
1 SHT. 6

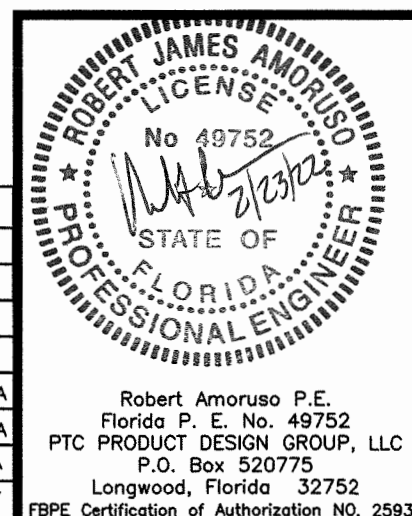
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0309.04  
Expiration Date 03/07/2026  
By Ishay I. Chandra  
Miami-Dade Product Control



SEE NOTE  
1 SHT. 2

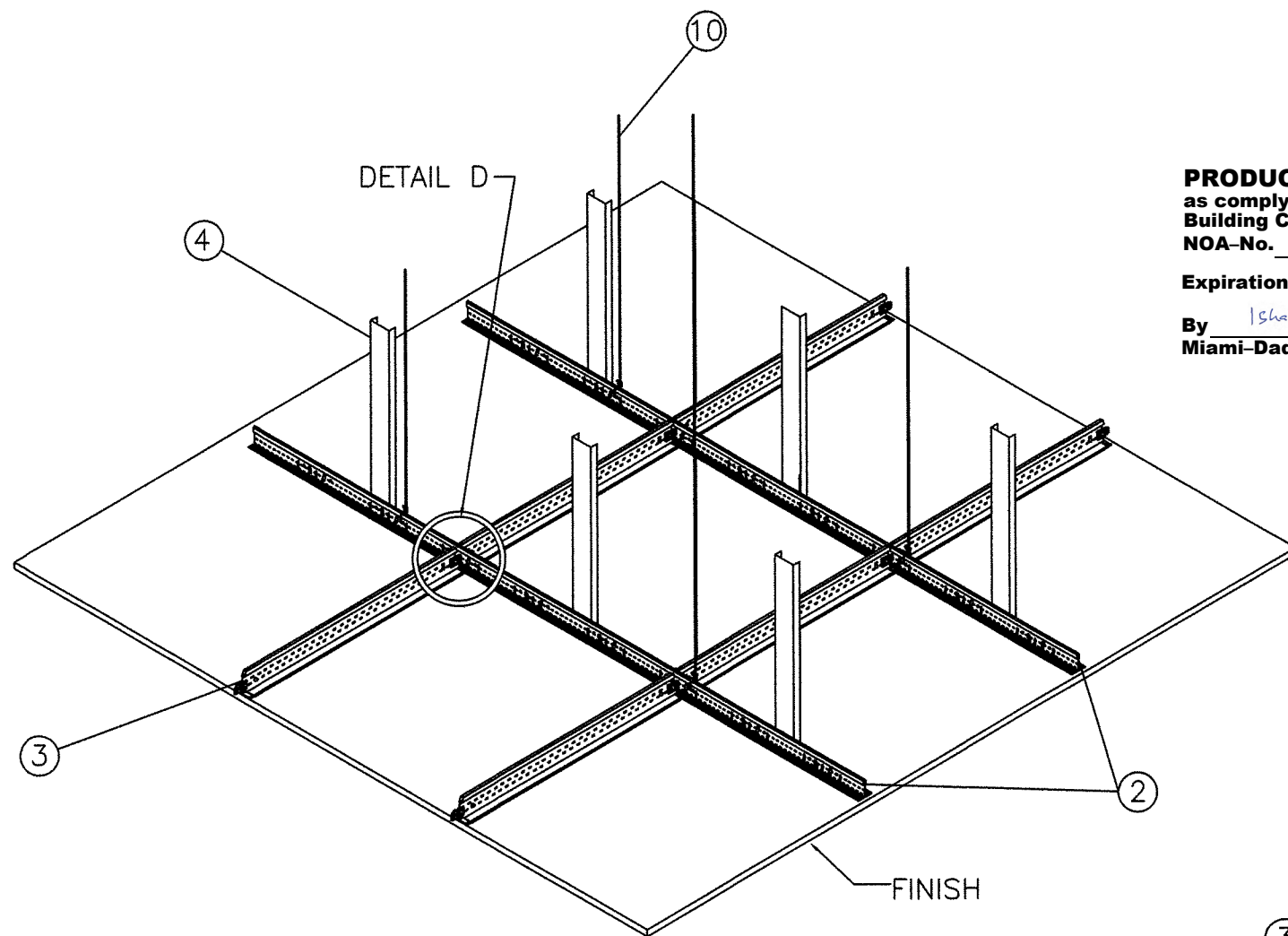


SEE NOTE  
1 SHT. 5

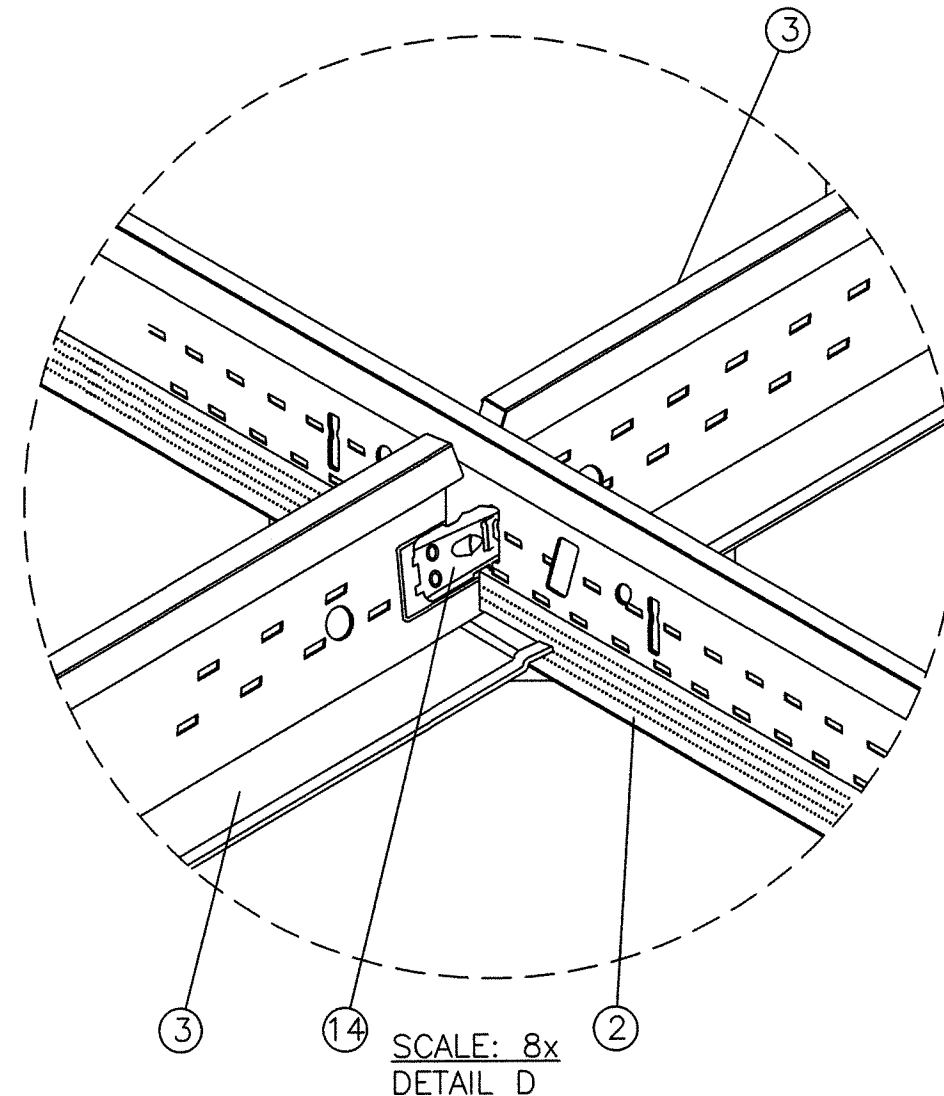


Robert Amoruso P.E.  
Florida P. E. No. 49752  
PTC PRODUCT DESIGN GROUP, LLC  
P.O. Box 520775  
Longwood, Florida 32752  
FBPE Certification of Authorization NO. 25935

WAVE			
101 LINDENWOOD DR MALVERN, PA 19355			
TITLE: ELEVATION & CROSS SECTIONS 120" X 120" EIFS CEILING SYSTEM			
PREPARED BY:	DRN:	DATE:	
<b>PTC</b>	BB	06/18/04	
SCALE:	NTS	DWG. NO:	WAV0001
REV:	J	SHEET:	1 OF 6
Phone 321.690.1788		Fax 321.690.1789	

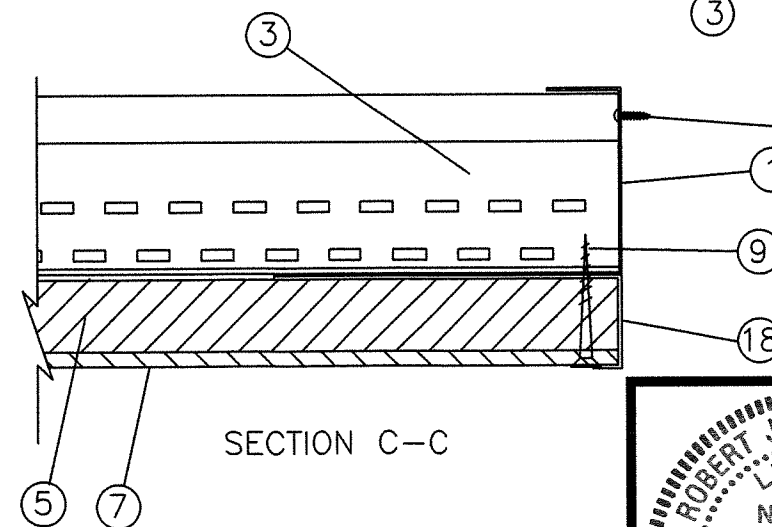


**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 NOA-No. 22-0309.04  
 Expiration Date 03/07/2026  
 By Ishaq I. Chande  
 Miami-Dade Product Control



NOTES:

- 1) ITEM #9 THE 1 1/4" DRYWALL SCREW IS SPACED 8" ON CENTER MAX. THROUGH THE DENSGLASS AND INTO THE MAIN RUNNERS, CROSS TEES & PERIMETER CHANNEL.
- 2) HANGER WIRE MUST BE SECURED AT EACH END WITH A MIN. OF (3) TURNS IN 3" PER ASTM C636.
- 3) HANGER WIRE TO BE SPACED A MAXIMUM OF 24" O.C.
- 4) VERTICAL BRACING TO BE INSTALLED ON MAIN BEAMS AT A MAXIMUM OF 24" O.C.
- 5) THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) AT THE DESIGN PRESSURES STATED HEREIN.



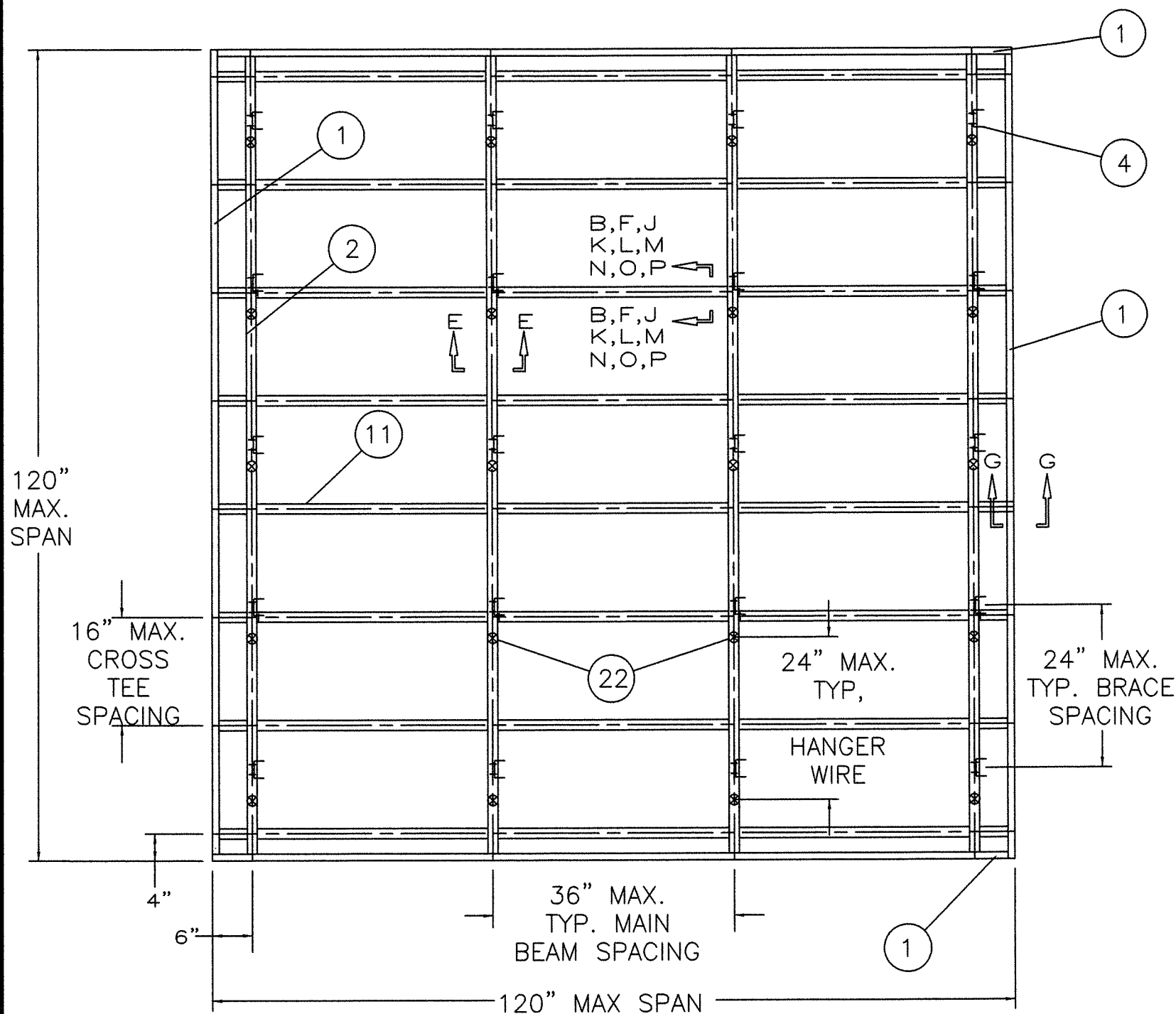
SECURED 12" O.C. W/ (17) WOOD  
 TO MAIN STRUCTURE (20) STEEL  
 (21) CONCRETE

SYM	REVISION	DATE	BY
J	Updated to 7TH EDITION FBC (2020)	2/23/22	RJA
I	Updated to 6TH EDITION FBC (2017)	11/1/18	RJA
H	Updated to 5TH EDITION FBC (2014)	1/19/15	RJA

Robert Amoruso P.E.  
 Florida P. E. No. 49752  
 PTC PRODUCT DESIGN GROUP, LLC  
 P.O. Box 520775  
 Longwood, Florida 32752  
 FBPE Certification of Authorization NO. 25935

WAVE 101 LINDENWOOD DR MALVERN, PA 19355 TITLE: EIFS SYSTEM DETAILS			
PREPARED BY: 	DRN: BB SCALE: NTS REV: J	DATE: 06/25/04 DWG. NO: WAV0001 SHEET: 2 OF 6	





STUCCO LAYOUT

NOT IMPACT RESISTANT  
DESIGN PRESSURE CAPACITY  
+75.0/-75.0 PSF MAXIMUM

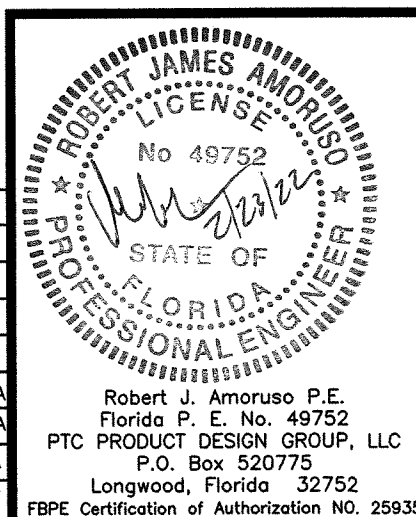
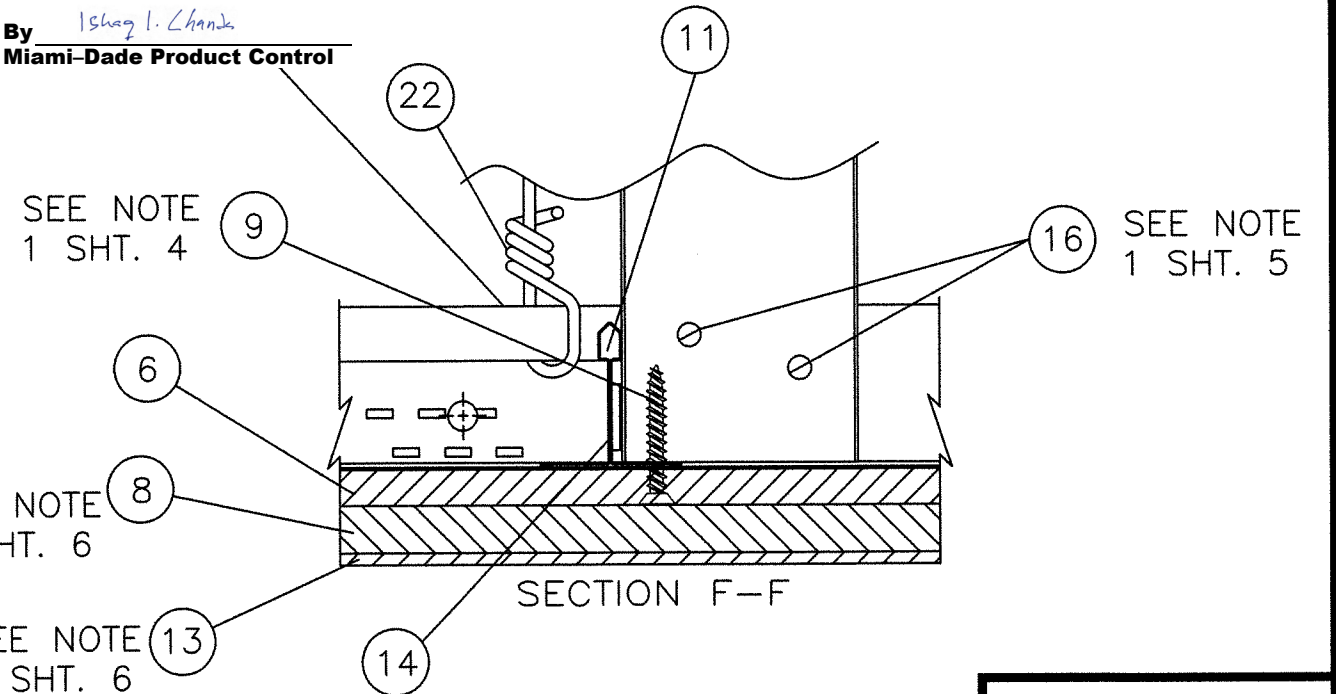
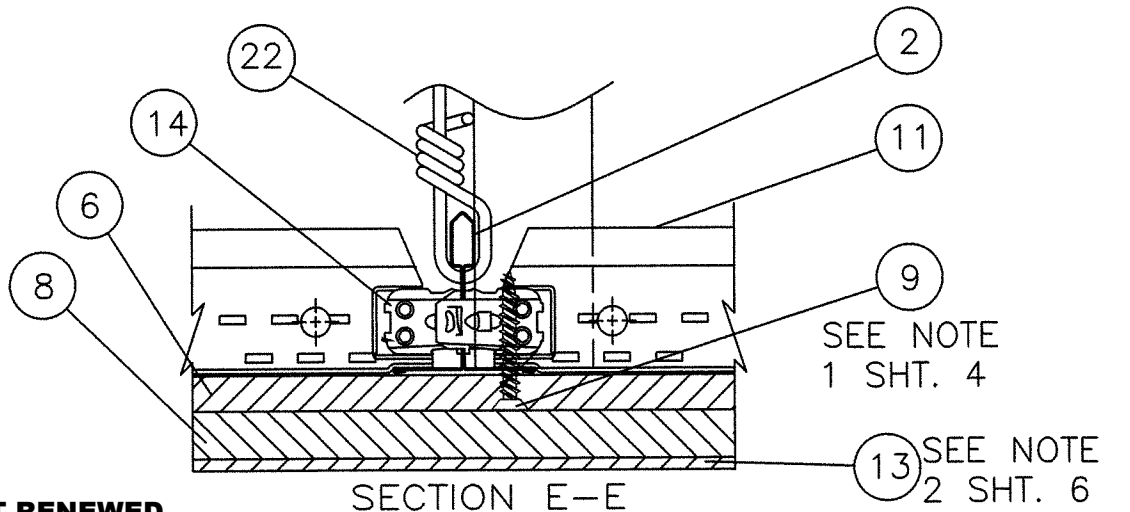
SEE NOTE  
2 SHT. 6

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0309.04  
Expiration Date 03/07/2026  
By *Ishag I. Chande*  
Miami-Dade Product Control

SEE NOTE  
1 SHT. 4

SEE NOTE  
2 SHT. 6

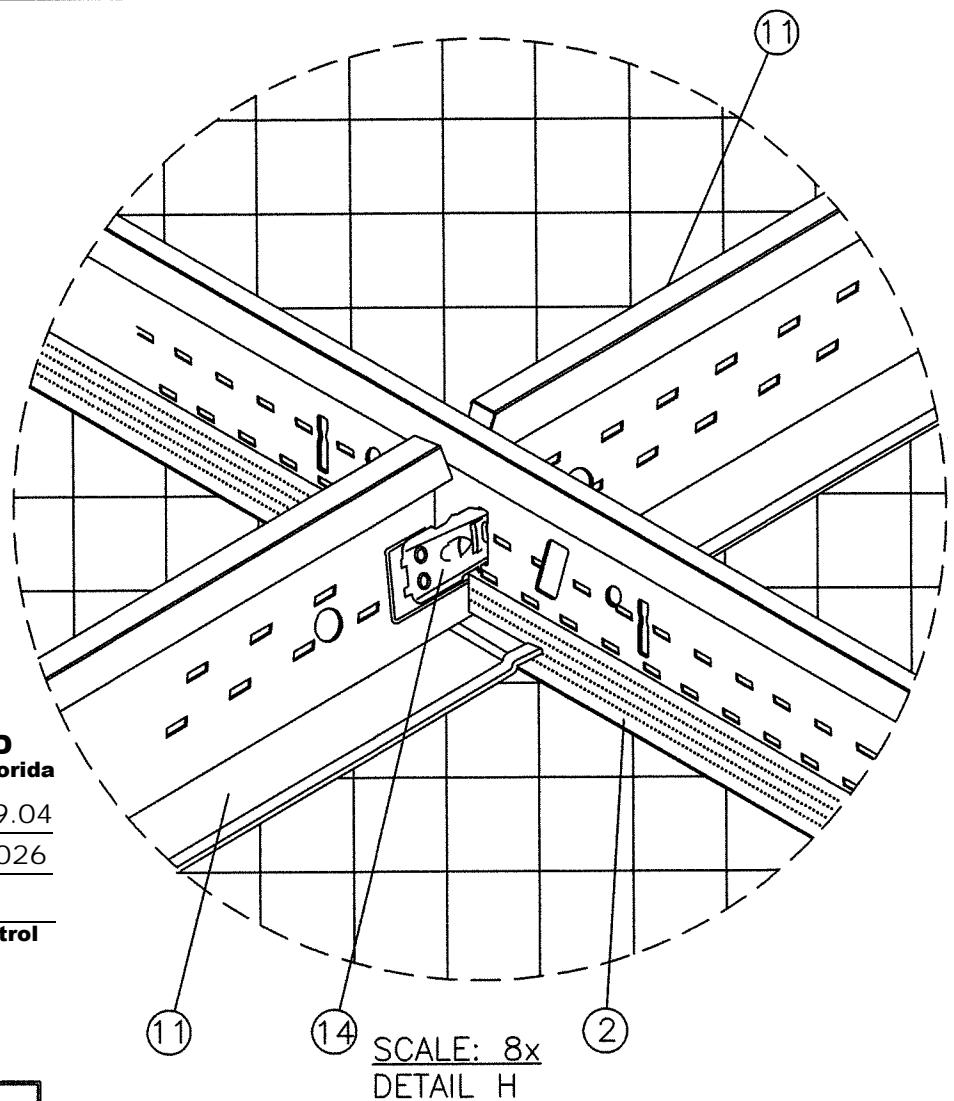
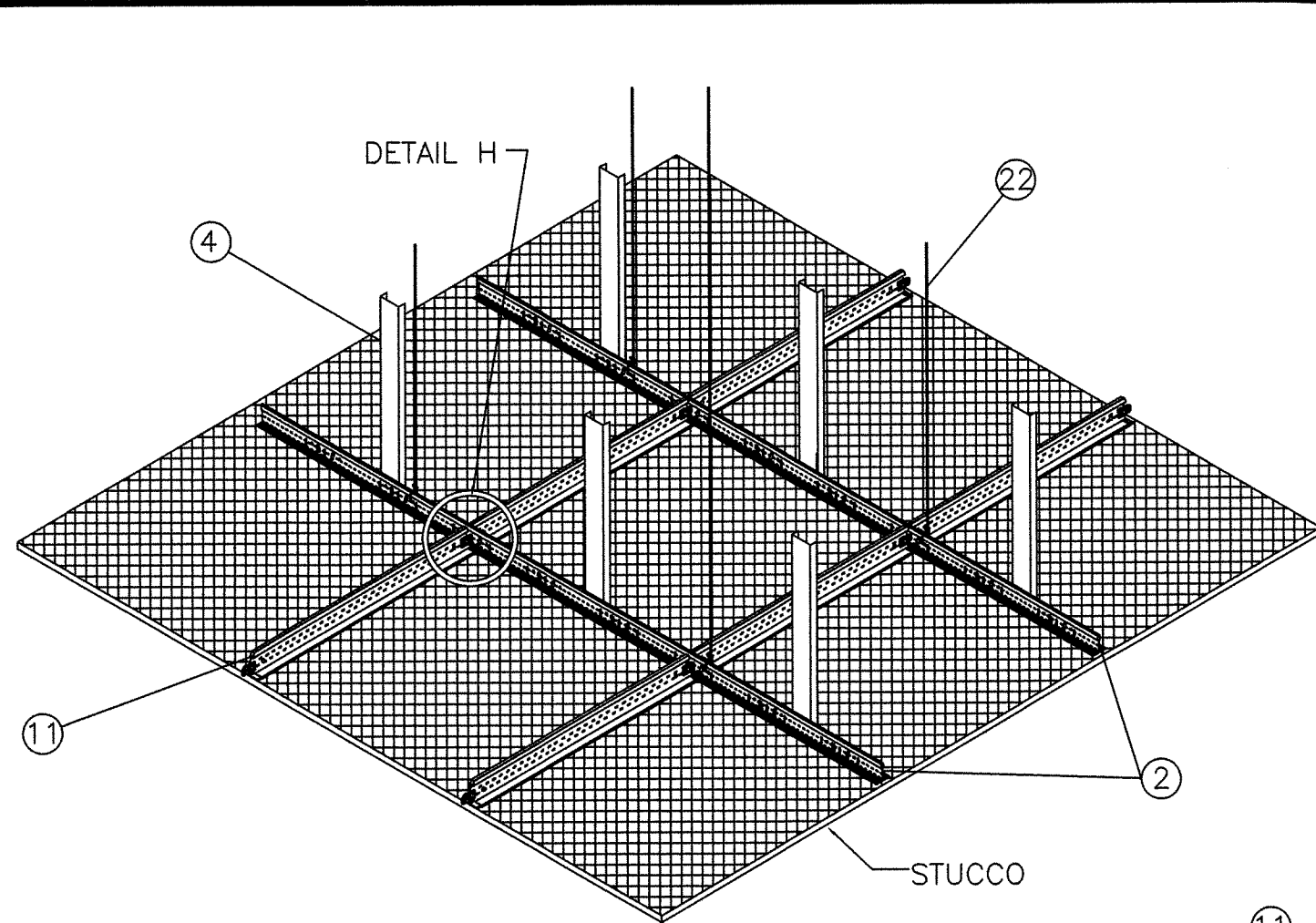
SEE NOTE  
2 SHT. 6



SYMBOL	REVISION	DATE	BY
J	Updated to 7TH EDITION FBC (2020)	2/23/22	RJA
I	Updated to 6TH EDITION FBC (2017)	11/1/18	RJA
H	Updated to 5TH EDITION FBC (2014)	1/19/15	RJA

WAVE			
101 LINDENWOOD DR MALVERN, PA 19355			
TITLE: ELEVATION & CROSS SECTIONS 120" X 120" STUCCO CEILING SYSTEM			
PREPARED BY:	DRN: BB	DATE: 06/18/04	
<b>PTC</b>	SCALE: NTS	DWG. NO: WAV0001	
REV: J		SHEET: 3 OF 6	

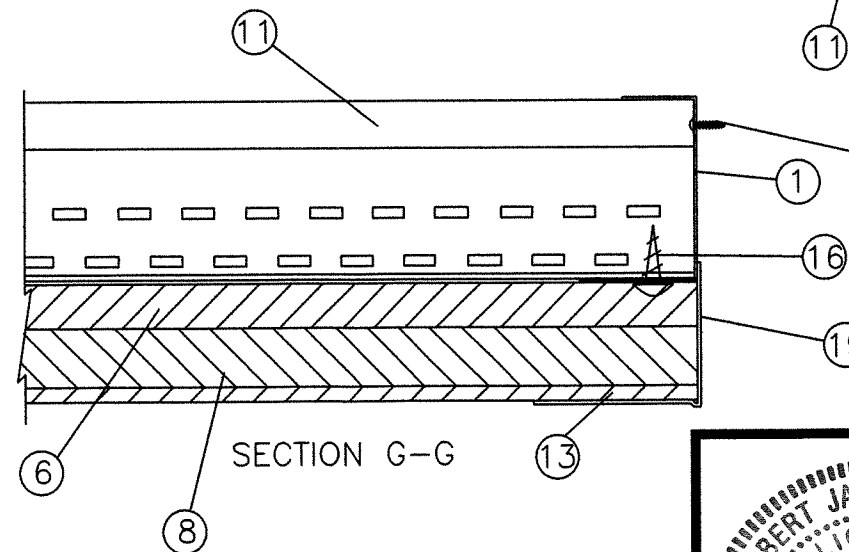




**PRODUCT RENEWED**  
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Building Code  
NOA-No. 22-0309.04  
Expiration Date 03/07/2026  
By *Isaac L. Chan*  
Miami-Dade Product Control

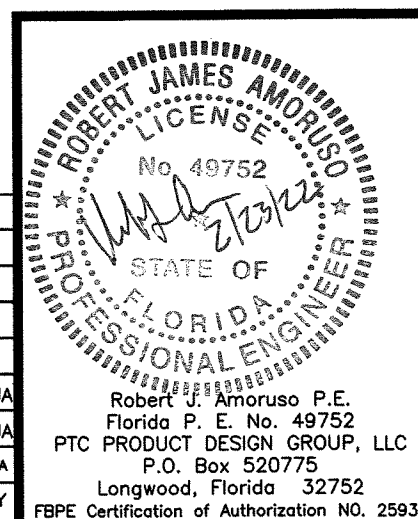
**NOTES:**

- 1) ITEM #9 THE 1 1/4" DRYWALL SCREW IS SPACED 8" ON CENTER MAX. THROUGH THE RIBBED SHEET LATH AND INTO THE MAIN RUNNERS, CROSS TEES & PERIMETER CHANNEL.
- 2) HANGER WIRE MUST BE SECURED AT EACH END WITH A MIN. OF (3) TURNS IN 3" PER ASTM C636.
- 3) HANGER WIRE TO BE SPACED A MAXIMUM OF 24" O.C.
- 4) VERTICAL BRACING TO BE INSTALLED ON MAIN BEAMS AT A MAXIMUM OF 24" O.C.
- 5) THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) AT THE DESIGN PRESSURES STATED HEREIN.

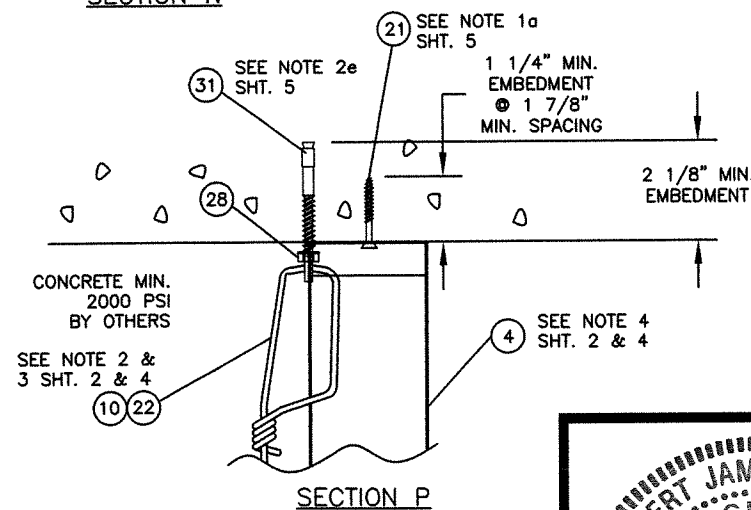
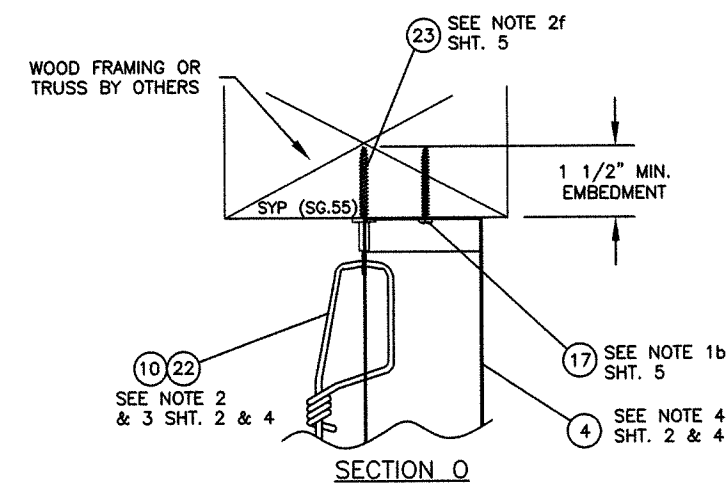
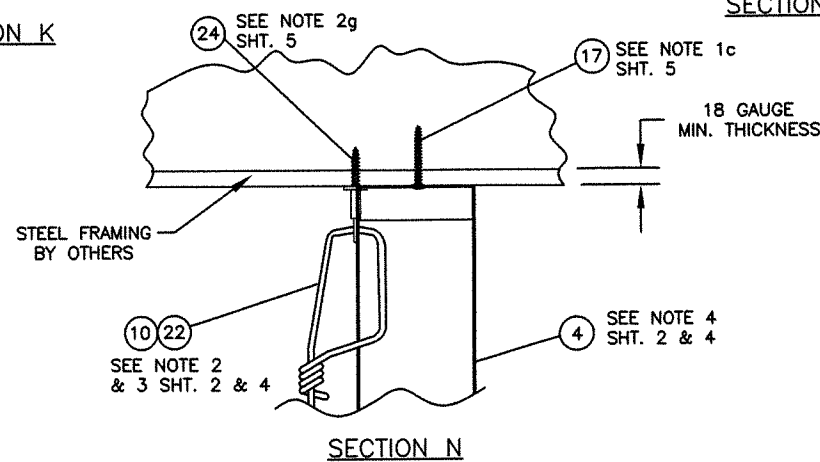
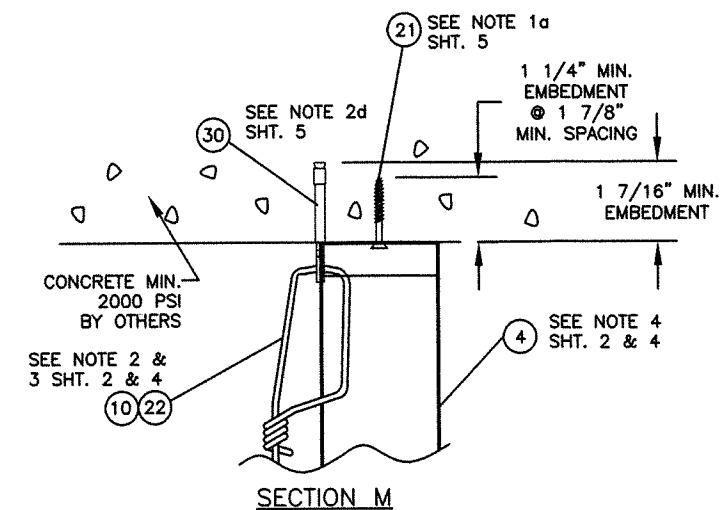
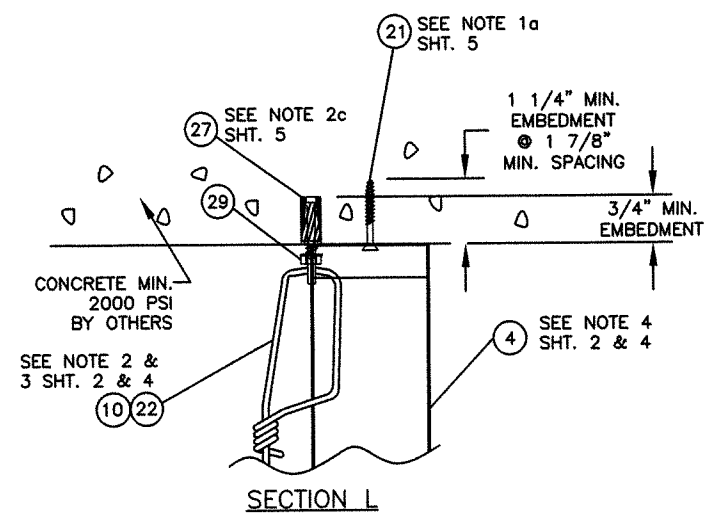
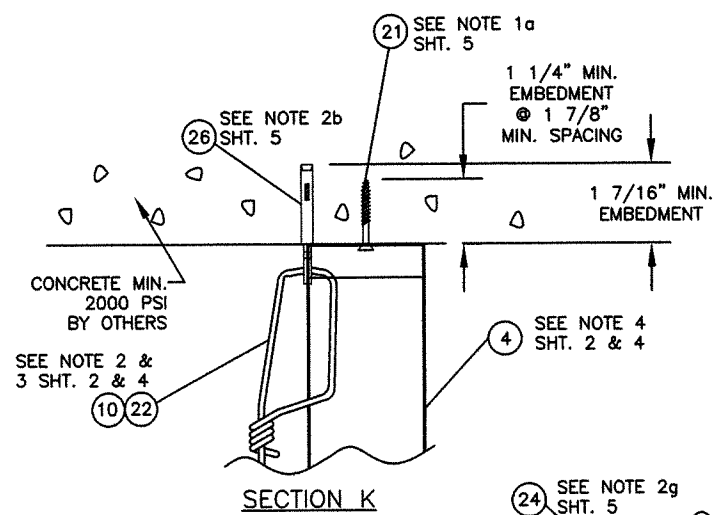
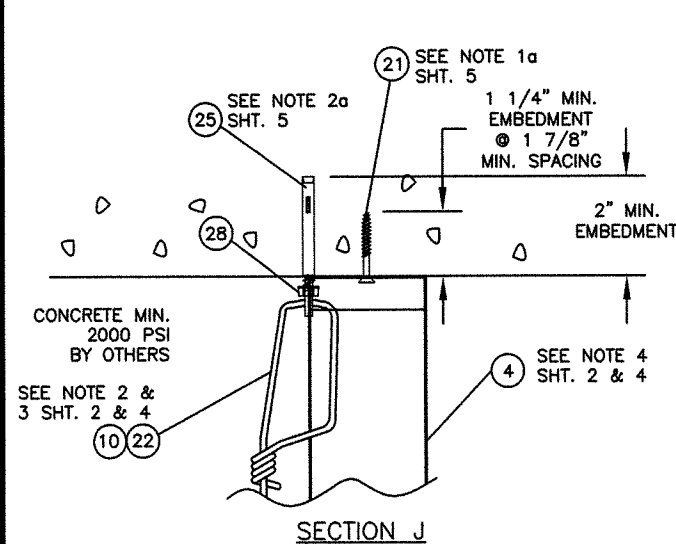


SECURED 12" O.C. W/ 17 WOOD  
TO MAIN STRUCTURE 20 STEEL  
21 CONCRETE

SYMBOL	REVISION	DATE	BY
J	Updated to 7TH EDITION FBC (2020)	2/23/22	RJA
I	Updated to 6TH EDITION FBC (2017)	11/1/18	RJA
H	Updated to 5TH EDITION FBC (2014)	1/19/15	RJA



<b>WAVE</b> 101 LINDENWOOD DR MALVERN, PA 19355 TITLE: STUCCO SYSTEM DETAILS			
PREPARED BY: <b>PTC</b>	DRN: BB SCALE: NTS REV: J	DATE: 06/25/04 DWG. NO: WAV0001 SHEET: 4 OF 6	



#### ANCHOR NOTES:

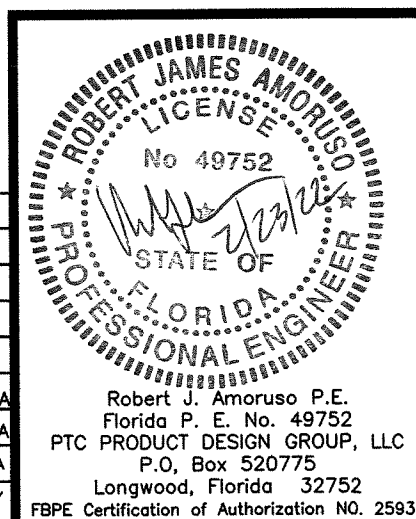
- 1) THE VERTICAL BRACE IS SECURED TO THE MAIN BEAM AT THE BOTTOM WITH (2) ITEM #16 & TO THE STRUCTURE AT THE TOP AS FOLLOWS:
  - a.) CONCRETE SUBSTRATE WITH (3) ITEM #21, 3/16" DIA. RAWL TAPPER, W/1 1/4" MINIMUM EMBEDMENT. ITEM #17.
  - b.) WOOD FRAMING SUBSTRATE WITH (3) ITEM #17, #8 WOOD SCREW, W/1 1/2" MINIMUM EMBEDMENT.
  - c.) STEEL FRAMING SUBSTRATE WITH (3) ITEM #17, #8 SHEET METAL SCREW, W/MINIMUM 3 PITCHES OF THREAD BEYOND STEEL FRAMING.
- 2) THE HANGER WIRE IS SECURED TO THE MAIN BEAM AT THE BOTTOM WITH (1) ITEM #2 & TO THE STRUCTURE AT THE TOP AS FOLLOWS:
  - a.) CONCRETE SUBSTRATE WITH (1) ITEM #25, 1/4" DIA. HILTI KWIKBOLT III, W/2" MINIMUM EMBEDMENT.
  - b.) CONCRETE SUBSTRATE WITH (1) ITEM #26, 1/4" DIA. HILTI HCKB EYEBOLT, W/1 7/16" MINIMUM EMBEDMENT.
  - c.) CONCRETE SUBSTRATE WITH (1) ITEM #27, 3/8" DIA. HILTI HDI-P DROP-IN, W/ 3/4" MINIMUM EMBEDMENT.
  - d.) CONCRETE SUBSTRATE WITH (1) ITEM #30, 1/4" DIA. HILTI HHDCA EYEBOLT, W/1 7/16" MINIMUM EMBEDMENT.
  - e.) CONCRETE SUBSTRATE WITH (1) ITEM #31, 1/4" DIA. ITW/RED HEAD TRUBOLT, W/2 1/8" MINIMUM EMBEDMENT.
  - f.) WOOD FRAMING SUBSTRATE WITH (1) ITEM #23, #10 WOOD EYEBOLT, W/1 1/2" MINIMUM EMBEDMENT.
  - g.) STEEL FRAMING SUBSTRATE WITH (1) ITEM #24, #10 SHEET METAL EYEBOLT, W/MINIMUM 3 PITCHES OF THREAD BEYOND STEEL FRAMING.

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0309.04

Expiration Date 03/07/2026

By Ishag I. Chank  
Miami-Dade Product Control

J	Updated to 7TH EDITION FBC (2020)	2/23/22	RJA
I	Updated to 6TH EDITION FBC (2017)	11/1/18	RJA
H	Updated to 5TH EDITION FBC (2014)	1/19/15	RJA
SYM	REVISION	DATE	BY



WAVE			
101 LINDENWOOD DR MALVERN, PA 19355			
TITLE: ELEVATION & CROSS SECTIONS STUCCO CEILING SYSTEM INSTALLATION DETAILS			
PREPARED BY:	DRN:	DATE:	
<b>PTC</b>	BB	06/18/04	
SCALE:	DWG. NO:		
NTS	WAV0001		
REV:	SHEET:		
J	5 OF 6		



