



**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**

**Worthington Armstrong Venture (WAVE)  
9 Old Lincoln Highway  
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 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: EIFS & STUCCO Ceiling System**

**APPROVAL DOCUMENT:** Drawing No. WAV0001, Sheets 1 through 6 of 6, titled "EIFS & STUCCO Ceiling System", dated 06/18/04 and 06/25/04, with last revision "F" dated 05/30/07, prepared by PTC, LLC, signed and sealed by Eric S. Nielsen, 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 Division.

**MISSILE IMPACT RATING: None**

**LABELING:** Each component shall bear the following permanent label:  
Worthington Armstrong Venture (WAVE)  
Aberdeen, MD 21001  
and the statement: "Miami-Dade County Product Control Approved".

**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 # 07-0119.02 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



*[Handwritten Signature]*  
02/24/10

**NOA No. 10-0126.04  
Expiration Date: March 17, 2015  
Approval Date: March 17, 2010  
Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **WAV0001**, Sheets 1 through 6 of 6, titled "EIFS & STUCCO Ceiling System", dated 06/18/04 and 06/25/04, with last revision "F" dated 05/30/07, prepared by PTC, LLC, signed and sealed by Eric S. Nielsen, P.E. "**Submitted under NOA # 07-0119.02**"

**B. TESTS "*Submitted under NOA # 04-0716.03*"**

1. Test report on Cyclic Load Pressure Test per FBC TAS 203 and test report on Uniform Static Load Test per TAS 202 of EIFS Ceiling System, prepared by Architectural Testing Report No. **01-46423.01**, dated 03/08/04, signed and sealed by J. A. Reed, P.E.
2. Test report on Cyclic Load Pressure Test per FBC TAS 203 and test report on Uniform Static Load Test per FBC TAS of Stucco Ceiling System, prepared by Architectural Testing Report No. **01-46412.02**, dated 03/08/04, 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 11/30/06, pages 1 through 6 and Report No. **131-C**, dated 01/24/07, pages 1 through 6, signed and sealed by Eric S. Nielsen, P.E.

**D. QUALITY ASSURANCE**

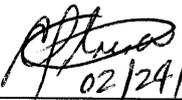
1. Miami Dade Building Code Compliance Office (BCCO)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

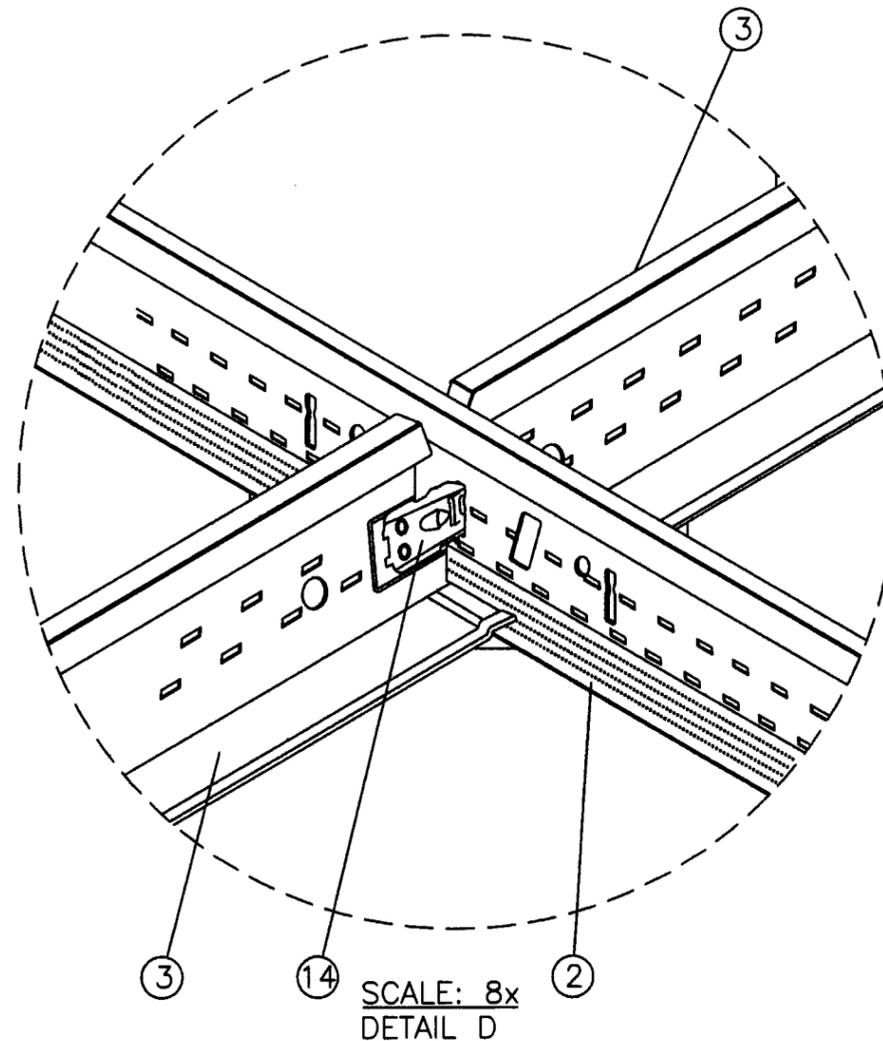
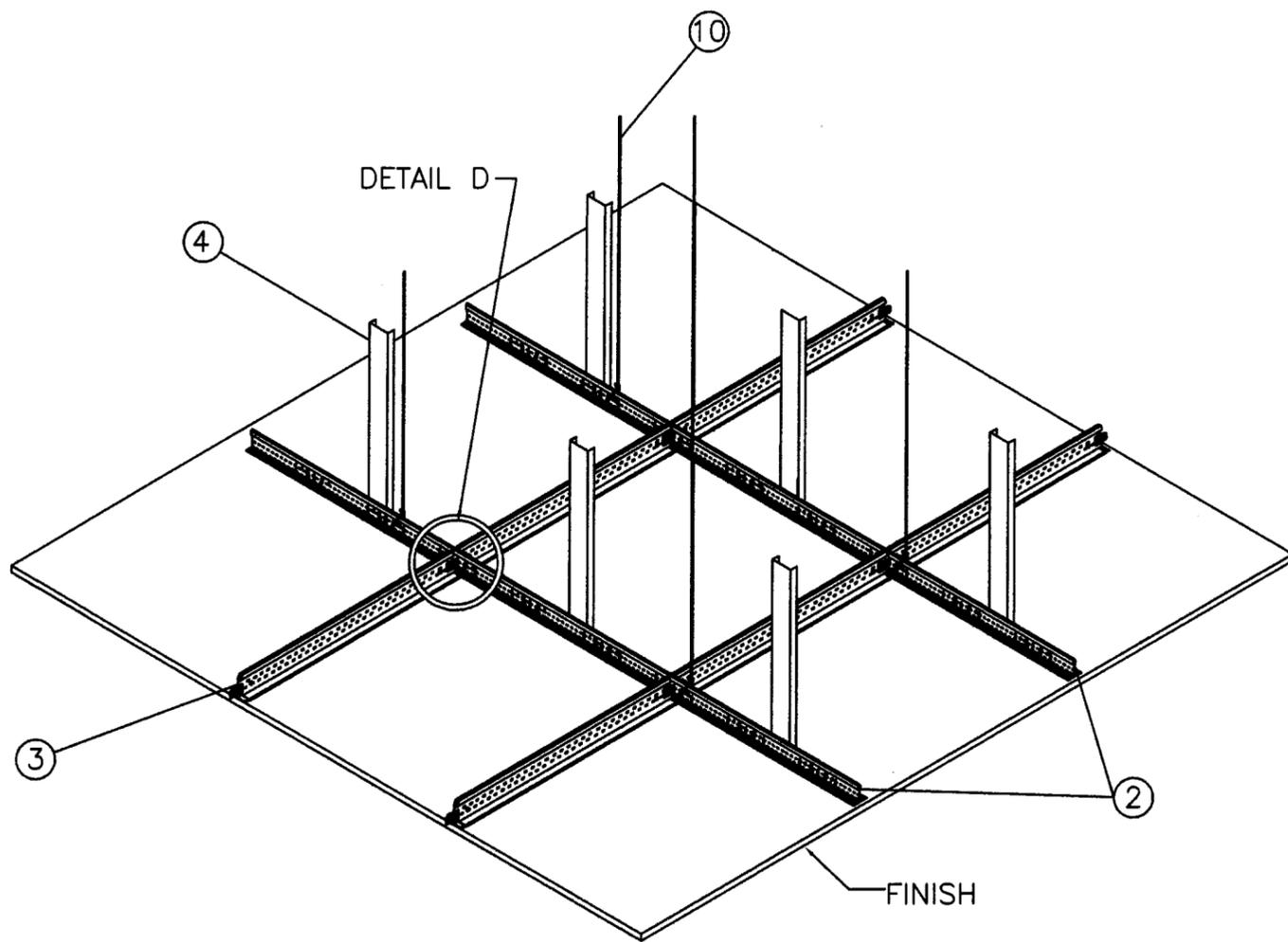
1. Code conformance and no financial interest report # 1568, issued by PTC, LLC, dated 01/13/10, signed and sealed by Robert J. Amoruso, P.E.
2. Code compliance and no interest letter prepared by PTC, LLC, dated 12/19/06, signed and sealed by Eric. S. Nielsen, P.E.  
**"Submitted under NOA # 07-0119.02"**

  
02/24/10

---

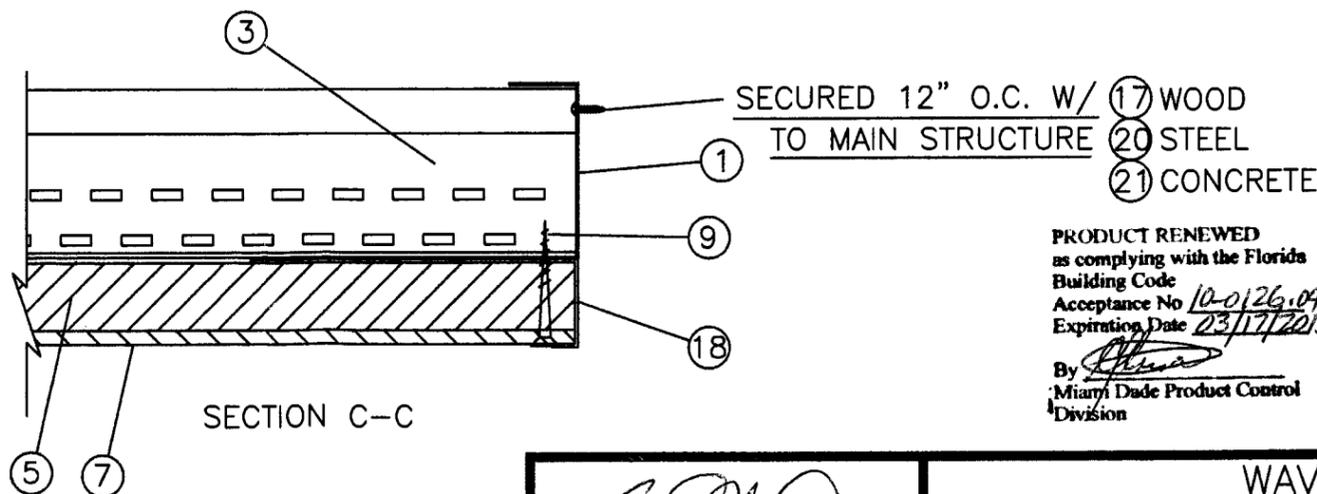
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 10-0126.04  
Expiration Date: March 17, 2015  
Approval Date: March 17, 2010





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.



PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 10-0126.04  
 Expiration Date 23/17/2015  
 By: *[Signature]*  
 Miami Dade Product Control  
 Division

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0119.02  
 Expiration Date 23/17/2010  
 By: *[Signature]*  
 Miami Dade Product Control  
 Division

SYM	REVISION	DATE	BY
F	Revised per Miami-Dade letter dated April 20, 2007	05/30/07	TK
E	Revision per Alternate Anchor Additions	01/24/07	HFN
D	Revision per Alternate Anchor Additions	11/22/06	HFN
C	Revision per Dade letter dated Feb. 2, 2005	02/14/05	DRL
B	Revised per Dade letter dated 10/25/04	11/18/04	BB
A	Revised per Dade letter dated September 15, 2004	09/24/04	DRL
	Revised border		

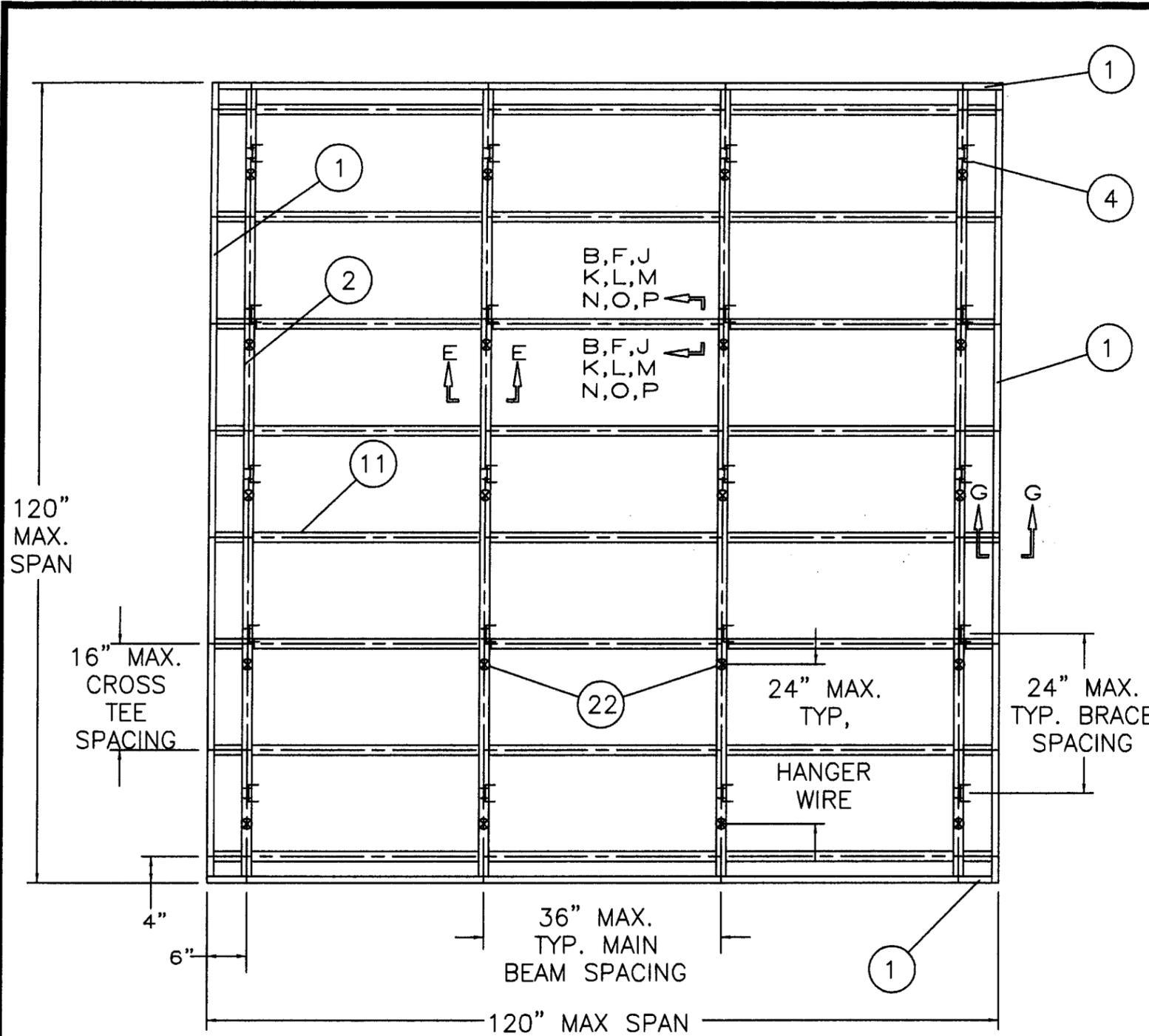
*[Signature]*  
 Eric S. Nielsen  
 Florida P. E. No. 41323  
 PTC, LLC  
 1535 N. Cogswell St., Suite C-25  
 Rockledge, Florida 32955  
 FBPE Certification of Authorization NO. 25935

WAVE

9 OLD LINCOLN HW, MALVERN, PA 19355

TITLE: EIFS SYSTEM DETAILS

PREPARED BY: <b>PTC</b> Product Technology Corporation	DRN: BB	DATE: 06/25/04
Phone 321.690.1788 Fax 321.690.1789	SCALE: NTS	DWG. NO: WAV0001
	REV: F	SHEET: 2 OF 6



STUCCO LAYOUT

SEE NOTE  
2 SHT. 6

SEE NOTE  
1 SHT. 4

SEE NOTE  
2 SHT. 6

SEE NOTE  
1 SHT. 4

SEE NOTE  
1 SHT. 5

SEE NOTE  
2 SHT. 6

SEE NOTE  
2 SHT. 6

SECTION E-E

SECTION F-F

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 10-0126,04  
Expiration Date 03/17/2015  
By *[Signature]*  
Miami Dade Product Control  
Division

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 07-0119,02  
Expiration Date 03/17/2010  
By *[Signature]*  
Miami Dade Product Control  
Division

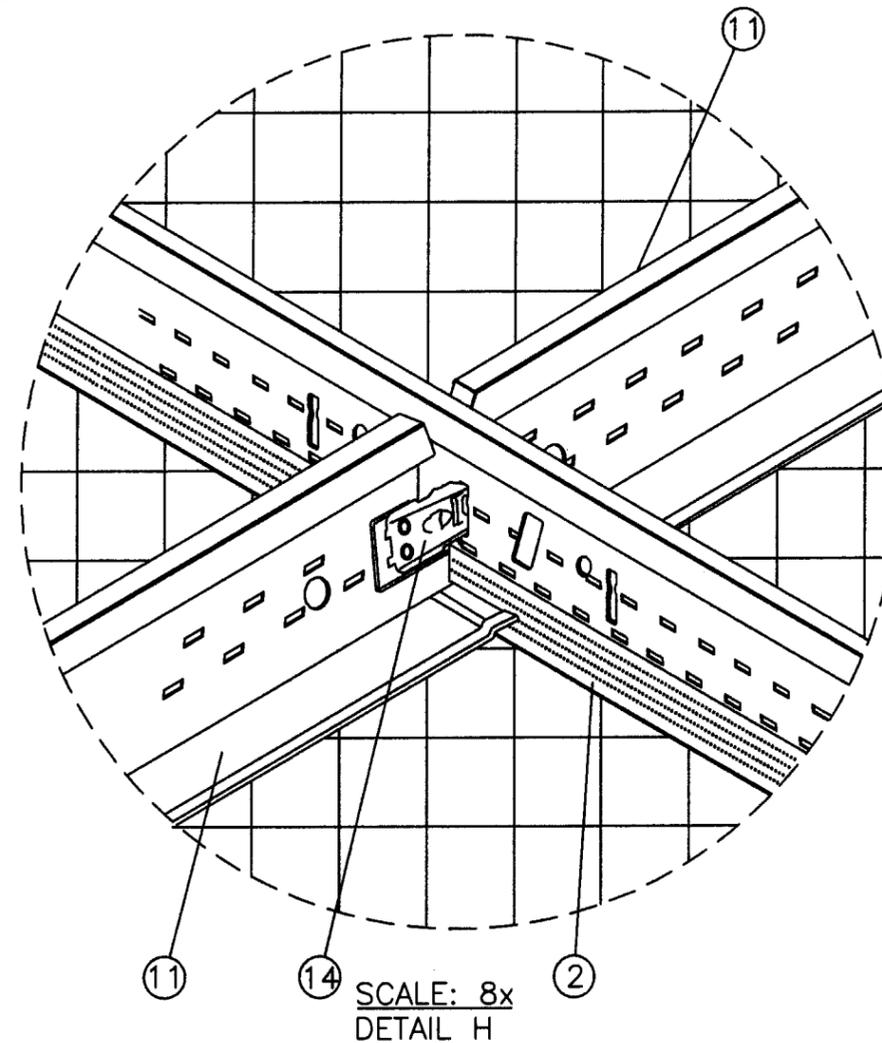
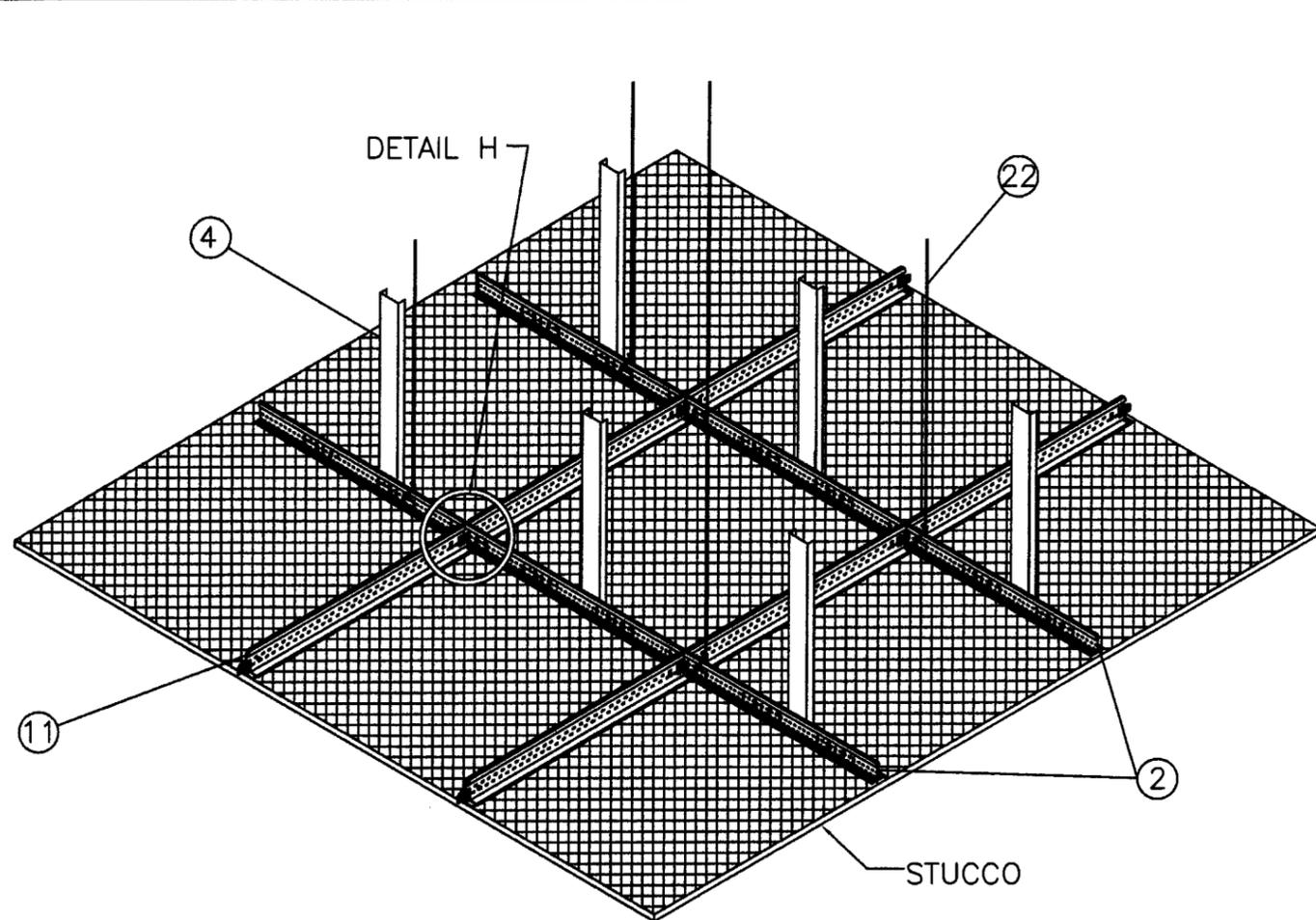
NOT IMPACT RESISTANCE  
DESIGN PRESSURE CAPACITY  
+75.0/-75.0 PSF MAXIMUM

SYM	REVISION	DATE	BY
F	Revised per Miami-Dade letter dated April 20, 2007	05/30/07	TK
E	Revision per Alternate Anchor Additions	01/24/07	HFN
D	Revision per Alternate Anchor Additions	11/22/06	HFN
C	Revision per Dade letter dated Feb. 2, 2005	02/14/05	DRL
B	Revised per Dade letter dated 10/25/04	11/16/04	BB
A	Revised per Dade letter dated September 15, 2004 Revised border	09/24/04	DRL

*[Signature]*  
6/2/07  
Eric S. Nielsen  
Florida P. E. No. 41323  
PTC, LLC  
1535 N. Cogswell St., Suite C-25  
Rockledge, Florida 32955  
FBPE Certification of Authorization NO. 25935

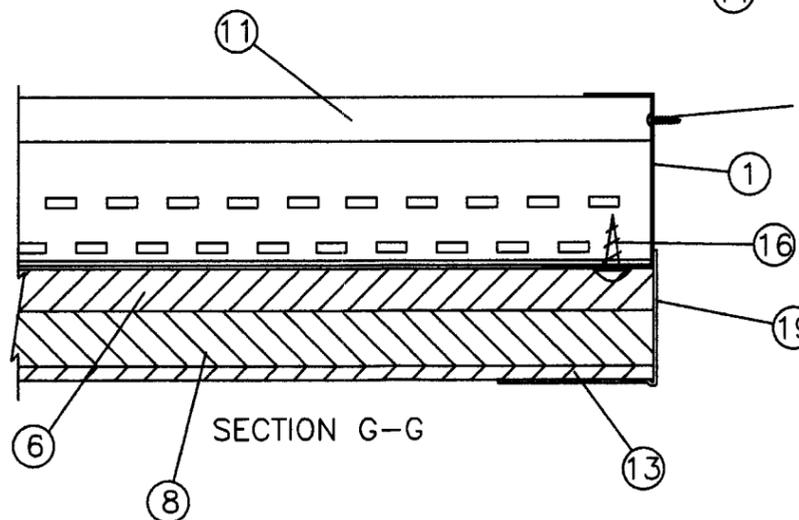
WAVE  
9 OLD LINCOLN HW, MALVERN, PA 19355  
TITLE: ELEVATION & CROSS SECTIONS  
120" X 120" STUCCO CEILING SYSTEM

PREPARED BY: **PTC** Product Technology Corporation  
DRN: BB DATE: 06/18/04  
SCALE: NTS DWG. NO: WAV0001  
REV: F SHEET: 3 OF 6  
Phone 321.690.1788 Fax 321.690.1789



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.



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

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 10-0126.04  
Expiration Date 03/17/2015  
By *[Signature]*  
Miami Dade Product Control  
Division

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0119.02  
Expiration Date 03/17/2010  
By *[Signature]*  
Miami Dade Product Control  
Division

SYM	REVISION	DATE	BY
F	Revised per Miami-Dade letter dated April 20, 2007	05/30/07	TK
E	Revision per Alternate Anchor Addition	01/24/07	HFN
D	Revision per Alternate Anchor Addition	11/22/06	HFN
C	Revision per Dade letter dated Feb. 2, 2005	02/14/05	DRL
B	Revised per Dade letter 10/25/04	11/16/04	BB
A	Revised per Dade letter dated September 15, 2004 Revised border	09/24/04	DRL

*[Signature]*  
6/2/07  
Eric S. Nielsen  
Florida P. E. No. 41323  
PTC, LLC  
1535 N. Cagwell St., Suite C-25  
Rockledge, Florida 32955  
FBPE Certification of Authorization NO. 25935

WAVE

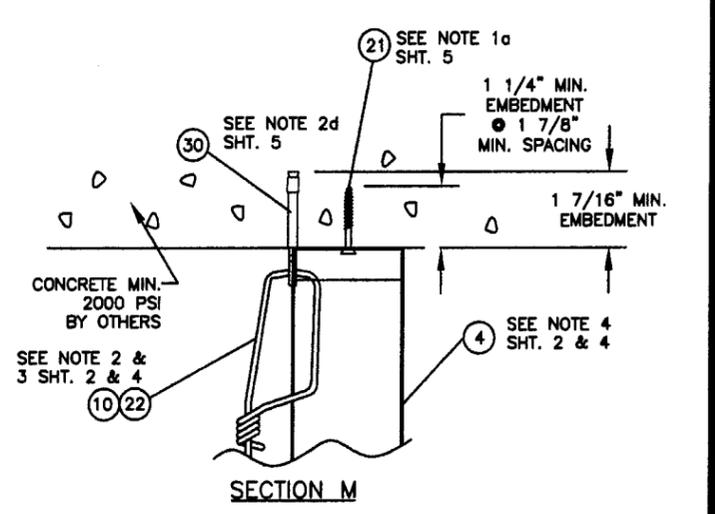
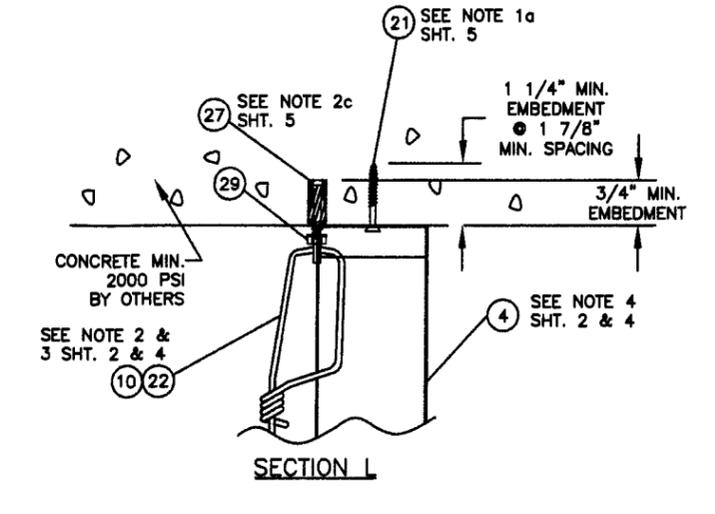
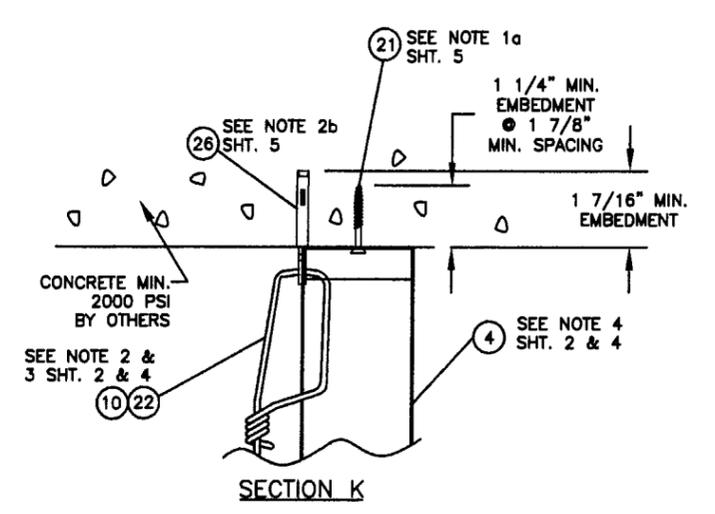
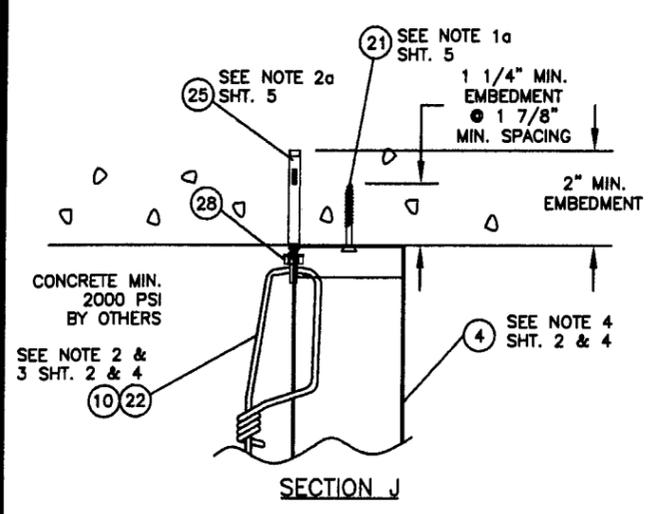
9 OLD LINCOLN HW, MALVERN, PA 19355

TITLE: STUCCO SYSTEM DETAILS

PREPARED BY: **PTC**  
Product Technology Corporation

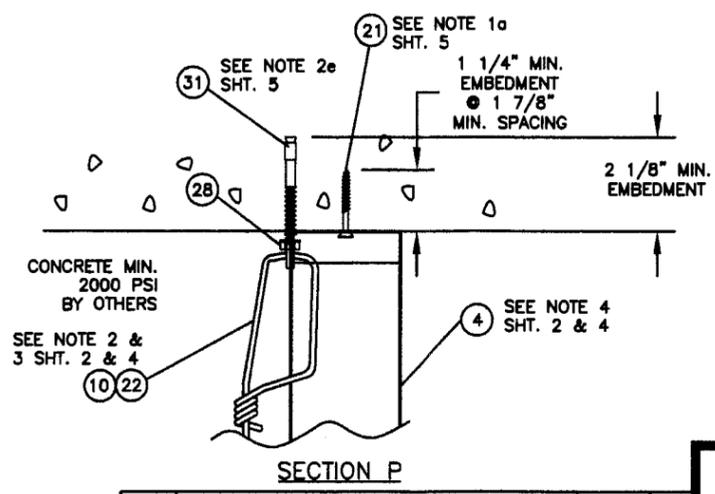
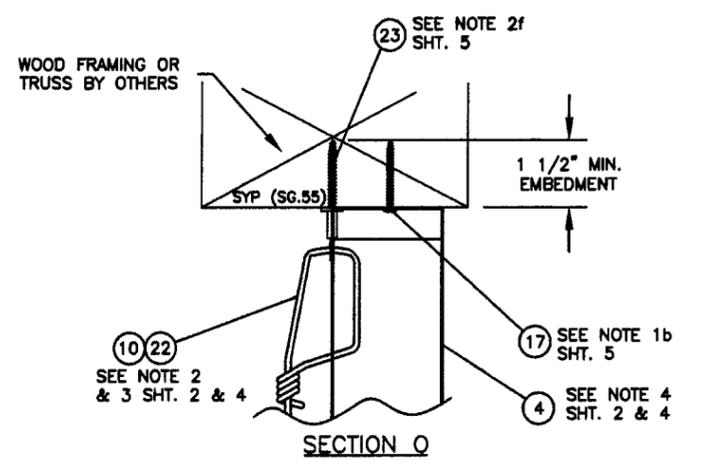
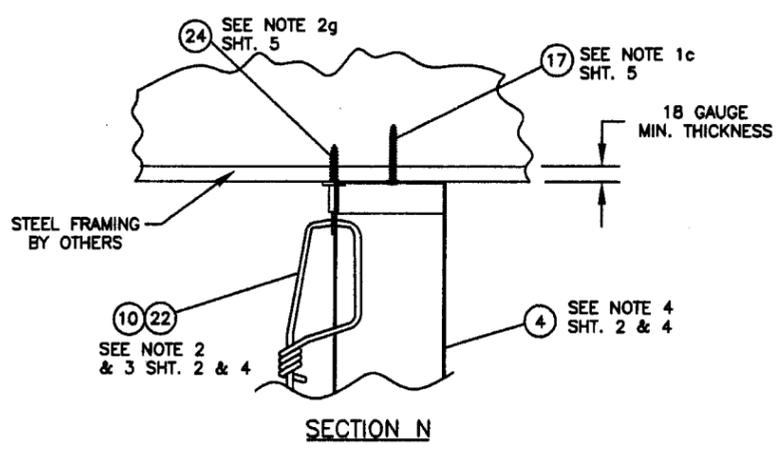
ORN: BB DATE: 06/25/04  
SCALE: NTS DWG. NO: WAV0001  
REV: F SHEET: 4 OF 6

Phone 321.690.1788 Fax 321.690.1789



**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  
 Acceptance No 10-0126-04  
 Expiration Date 03/17/2015  
 By *[Signature]*  
 Miami Dade Product Control Division

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No 07-0119-02  
 Expiration Date 03/17/2010  
 By *[Signature]*  
 Miami Dade Product Control Division

SYM	REVISION	DATE	BY
F	Revised per Miami-Dade letter dated April 20, 2007	05/30/07	TK
E	Revision per Alternate Anchor Addition	1/24/07	HPN
D	Revision per Alternate Anchor Addition	11/22/06	HPN
C	Revision per Dade letter dated Feb. 2, 2005	02/14/05	DRL
B	Revised per Dade letter dated 10/25/04	11/16/04	BB
A	Revised per Dade letter dated September 15, 2004 Revised border	09/24/04	DRL

*[Signature]*  
 6/12/07  
 Eric S. Nielsen  
 Florida P. E. No. 41323  
 PTC, LLC  
 1535 N. Cogswell St., Suite C-25  
 Rockledge, Florida 32955  
 FBPE Certification of Authorization NO. 25935

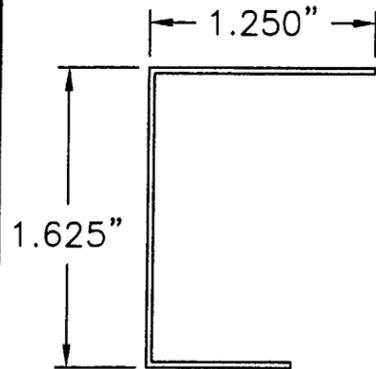
**WAVE**

9 OLD LINCOLN HW, MALVERN, PA 19355

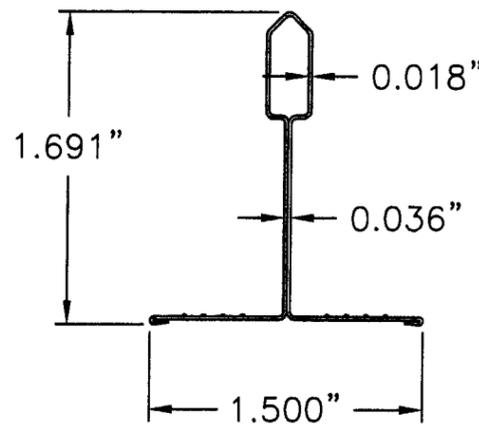
TITLE: ELEVATION & CROSS SECTIONS  
 STUCCO CEILING SYSTEM INSTALLATION DETAILS

PREPARED BY: **PTC** Product Technology Corporation  
 DRN: BB DATE: 06/18/04  
 SCALE: NTS DWG. NO: WAV0001  
 REV: F SHEET: 5 OF 6  
 Phone 321.690.1788 Fax 321.690.1789

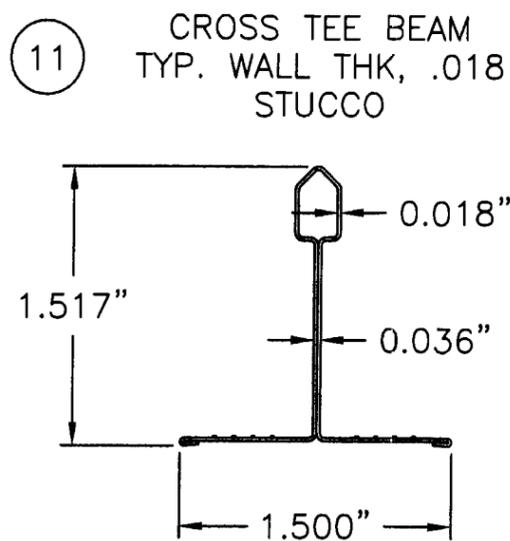
1 DRYWALL TRACK/  
PERIMETER CHANNEL  
TRHA 21 GAUGE



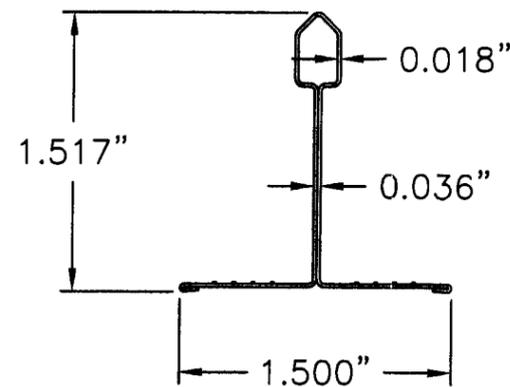
2 MAIN BEAM  
TYP. WALL THK, .018



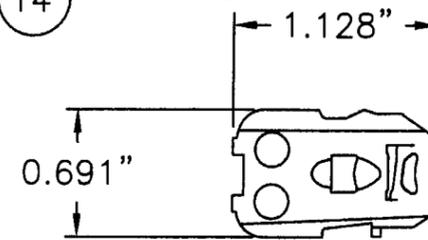
3 CROSS TEE BEAM  
TYP. WALL THK, .018  
EIFS



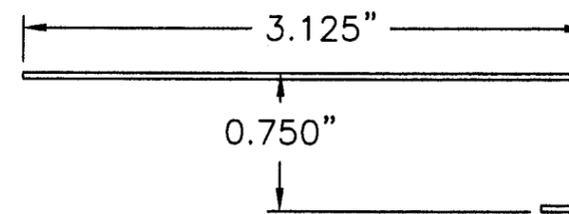
11 CROSS TEE BEAM  
TYP. WALL THK, .018  
STUCCO



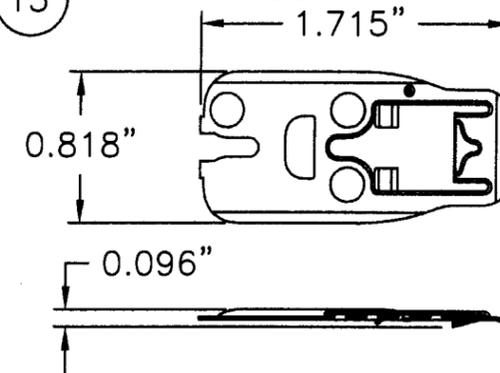
14 CROSS TEE BEAM CLIP



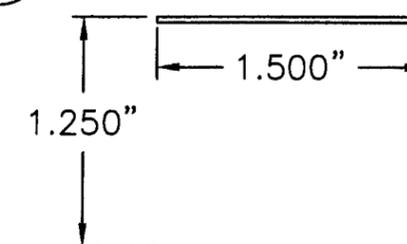
18 #66 3/4" CASE BEAD  
TYP. WALL THK. 21 GAUGE



15 MAIN BEAM CLIP



19 #701 BEAD L TRIM  
TYP WALL THK. 21 GAUGE



ITEM	QTY	DESCRIPTION
1	A/R	CHANNEL, 33 KSI BY WAVE TRHA 21 GA., 1-5/8"x1-1/4" DRYWALL TRACK/PRIMETER
2	A/R	HD8906 G-90 MAIN BEAM BY WAVE
3	A/R	XL8926 G-90 CROSS TEE BY WAVE (EIFS)
4	A/R	STUD 2-1/2" X 1 1/4" STH-22 Ga., 33 KSI VERTICAL BRACE
5	A/R	1/2" DRYWALL SHEET DENSGLASS GOLD, GEORGIA PACIFIC
6	A/R	3/8" RIBBED SHEET LATH, 3.4 LBS/SQ.YD., AS PER ASTM C-847
7	A/R	EIFS FINISHED COAT (SEE NOTE 1, SHEET 6)
8	A/R	STUCCO BASED COAT (SEE NOTE 2, SHEET 6)
9	A/R	#8 x 1-1/4" LG. MODIFIED TRUSS HEAD K LATH DRYWALL SCREW
10	A/R	#12 Ga. H.D.G. HANGER WIRE (EIFS)
11	A/R	G-90 XL7936 CROSS TEE BY WAVE (STUCCO)
12	A/R	BUILDING STRUCTURE OR 2 BY WOOD BUCK BY OTHERS
13	A/R	STUCCO FINISHED COAT (SEE NOTE 2 SHEET 5)
14	A/R	CROSS TEE CLIP BY WAVE
15	A/R	MAIN BEAM CLIP BY WAVE
16	A/R	#6 X 9/16" TRUSS HD SELF DRILLING SCREW
17	A/R	#8 SHEET METAL SCREW TEK ITW BUILDEX
18	A/R	#66 3/4" CASE BEAD BY UNIMAST 3/4" x 3 1/8" x 21 GA.
19	A/R	#701 BEAD L TRIM ZINC BY UNIMAST 1 1/4" x 1 1/2" x 21 GA.
20	A/R	#12 SELF DRILLING & TAPPING BLAZER PANCAKE HEAD SCREW
21	A/R	3/16" DIAMETER RAWL TAPPER W/1 1/4" MIN. EMBEDMENT
22	A/R	#9 GA. H.D.G. HANGER WIRE (STUCCO)
23	A/R	#10 I-LAG 150WS WOOD SCREW W/EYELET
24	A/R	#10 I-LAG 750SD SELF DRILLING & TAPPING SCREW W/EYELET
25	A/R	1/4" DIA. HILTI KWIK BOLT III ANCHOR

NOTES:

- EIFS COMPOSITION:  
DRYVIT GENESIS BASE COAT MIXED WITH CEMENT 1/8" THICK BY 9" WIDE PER MANUFACTURER SPECIFICATIONS IS APPLIED TO THE DENSGLASS GOLD JOINTS ONLY, FOLLOWED BY DRYVIT BRAND #20 FIBERGLASS MESH WHICH IS WORKED INTO THE BASE MIX. ANOTHER 3/16" THICK COAT OF MIX IS TROWELED OVER THE ENTIRE SURFACE. A CONTINUOUS LAYER OF MESH IS THEN WORKED INTO THE WET BASE MIX WITH A SECOND LAYER OF BASE MIX COVERING THE MESH. THE BASE MIX IS ALLOWED TO DRY OVERNIGHT AND PRIOR TO A FINISH COAT OF DRYVIT BRAND MIX QUARTZPUTZ DPR BEING APPLIED AND TROWELED TO PRODUCE A 1/8" TO 3/16" FINISH COAT.
- A STUCCO MIX WITH A FINISH THICKNESS OF 3/4" IS TROWELED INTO THE RIBBED LATH IN THREE COATS. THE FIRST COAT IS ALLOWED TO SET, THEN A SECOND LAYER OF MIX IS TROWELED ON SIDE TO SIDE TO THE STOPS ON ALL SIDES. THE FINISH COAT MIX OF IVORY FINISH LIME, WHITE CEMENT AND WHITE SILICA SAND IS WORKED INTO THE STUCCO MIX AND TROWELED ON IN AN 1/8" TO 3/16" THICK FINISH COAT.
- STUCCO MIX CONSIST OF: 22 SHOVELS OF C-144 SAND, 2 1/2 GALLONS "THORO" BRAND ACRYL 60 ACRYLIC ADDITIVE, 1 PACK CONTROL "X" CHOPPED FIBERS, 1 BAG (50 LBS.) TYPE "S" LIME, 1 BAG (94 LBS.) TYPE "1" PORTLAND CEMENT.

ITEM	QTY	DESCRIPTION
26	A/R	1/4" DIA. HILTI HCKB CEILING HANGER W/EYELET
27	A/R	3/8" DIA. HILTI HDI-P DROP-IN ANCHOR
28	A/R	1/4" - 20 THREADED EYELET.
29	A/R	3/8" - 16 THREADED EYELET.
30	A/R	1/4" DIA. HILTI HHDCA CEILING HANGER W/EYELET
31	A/R	1/4" DIA. ITW/ RED HEAD TRUBOLT ANCHOR

SYM	REVISION	DATE	BY
F	Revised per Miami-Dade letter dated April 20, 2007	05/30/07	TK
E	Revision per Alternate Anchors Addition	01/24/07	HFN
D	Revision per Alternate Anchors Addition	11/22/06	HFN
C	Revision per Dade letter dated Feb. 2, 2005	02/14/05	DRL
B	Revised per Dade letter dated 10/25/04	11/18/04	BB
A	Revised per Dade letter dated September 15, 2004 Updated border	09/24/04	DRL

*ESN*  
6/2/07  
Eric S. Nielsen  
Florida P. E. No. 41323  
PTC, LLC  
1535 N. Cogswell St., Suite C-25  
Rockledge, Florida 32955  
FBPE Certification of Authorization NO. 25935

WAVE  
9 OLD LINCOLN HW, MALVERN, PA 19355

TITLE: EIFS & CEILING SYSTEMS  
COMPONENTS & B.O.M.

PREPARED BY: **PTC** Product Technology Corporation  
ORIGIN: BB  
SCALE: NTS  
REV: F

DATE: 06/25/04  
DWG. NO: WAV0001  
SHEET: 6 OF 6

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 10-0126.09  
Expiration Date 03/17/2015  
By: *[Signature]*  
Miami-Dade Product Control  
Division

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0119.02  
Expiration Date 03/17/2010  
By: *[Signature]*  
Miami-Dade Product Control  
Division