



**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) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**Worthington Armstrong Venture (WAVE)
9 Old Lincoln HW.
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 and STUCCO Ceiling System" dated 06/18/04 and 06/25/04, with last revision on 02/14/05, prepared by Product Technology Corporation signed and sealed by Eric S. Nielsen PE., bearing the Miami-Dade County Product Control Approval stamp with the NOA number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None.

LABELING: Each component shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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, evidence page as well as the approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font PE.**

03/17/05



**NOA No: 04-0716.03
Expiration Date: March 17, 2010
Approval Date: March 17, 2005
Page 1**

Worthington Armstrong Venture (WADE).

EVIDENCE SUBMITTED PAGE

A. DRAWINGS

1. Drawing No. **WAV0001**, Sheets 1 through 6 of 6, titled "EIFS and Stucco Ceiling System" dated 06/18/04 and 06/25/04, with last revision on 02/02/05, prepared by Product Technology Corporation signed and sealed by E. S. Nielsen PE.

B. TESTS

1. Test report of Cyclic Load Pressure Test per TAS 203 and test report of Uniform Static Load Test per TAS 202 on EIFS Ceiling System prepared by Architectural Testing report No. 01-46423.01 dated 03/08/04, signed and sealed by J. A. Reed, PE.
2. Test report of Cyclic Load Pressure Test per TAS 203 and test report of Uniform Static Load Test per TAS on Stucco Ceiling System, prepared by Architectural Testing report No. 01-46412.02 dated 03/08/04, signed and sealed by J. A. Reed, PE.

C. CALCULATIONS

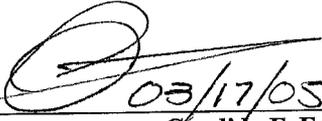
1. Anchor Calculations prepared by Product Technology Corporation pages 1 through 5, dated 07/07/04 revised on 12/16/04 signed and sealed by E. S. Nielsen

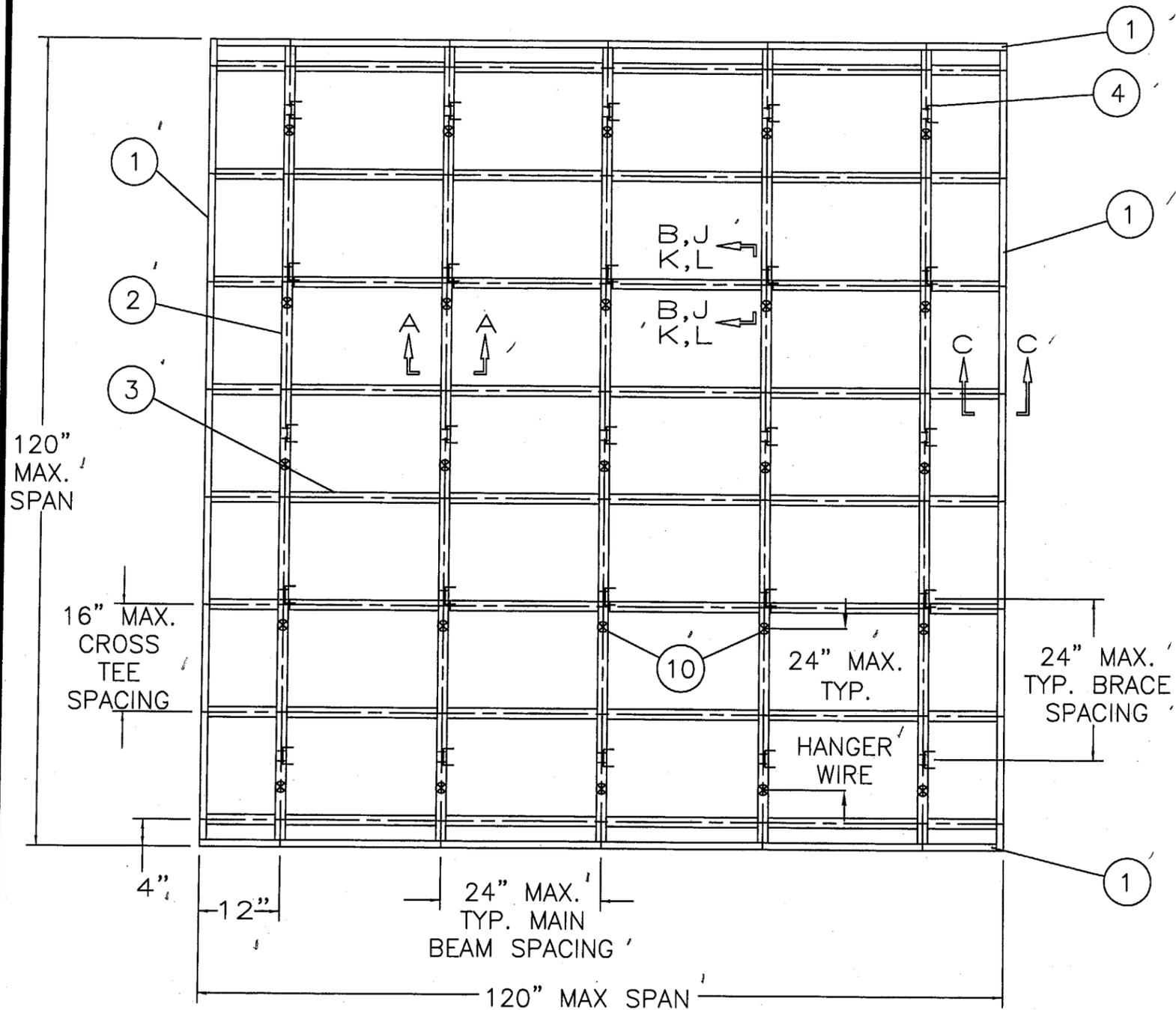
D. QUALITY ASSURANCE

1. Building Code compliance Office.

E. STATEMENTS

1. Code Compliance and No Interest letter prepared by Product Technology Corporation dated 07/13/04 signed by E. S. Nielsen and notarized by S. Feb.


Candido F. Font PE.
Sr. Product Control Examiner
NOA No: 04-0716.03
Expiration Date: March 17, 2010
Approval Date: March 17, 2005



SEE NOTE 1 SHT. 6

SEE NOTE 1 SHT. 2

SEE NOTE 5 SHT. 2

SEE NOTE 1 SHT. 6

SEE NOTE 1 SHT. 2

Approved as complying with the Florida Building Code
 Date 03/17/05
 NOA# 04-0716.03
 Miami Dade Product Control Division
 By [Signature]

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

SYM	REVISION	DATE	BY
C	Revision per Dade letter dated Feb. 2, 2005	02/14/05	DRL
B	Revision per Dade letter dated Oct. 25, 2004	11/16/04	BB
A	Revised per Dade letter dated September 15, 2004 Revised border	09/24/04	DRL

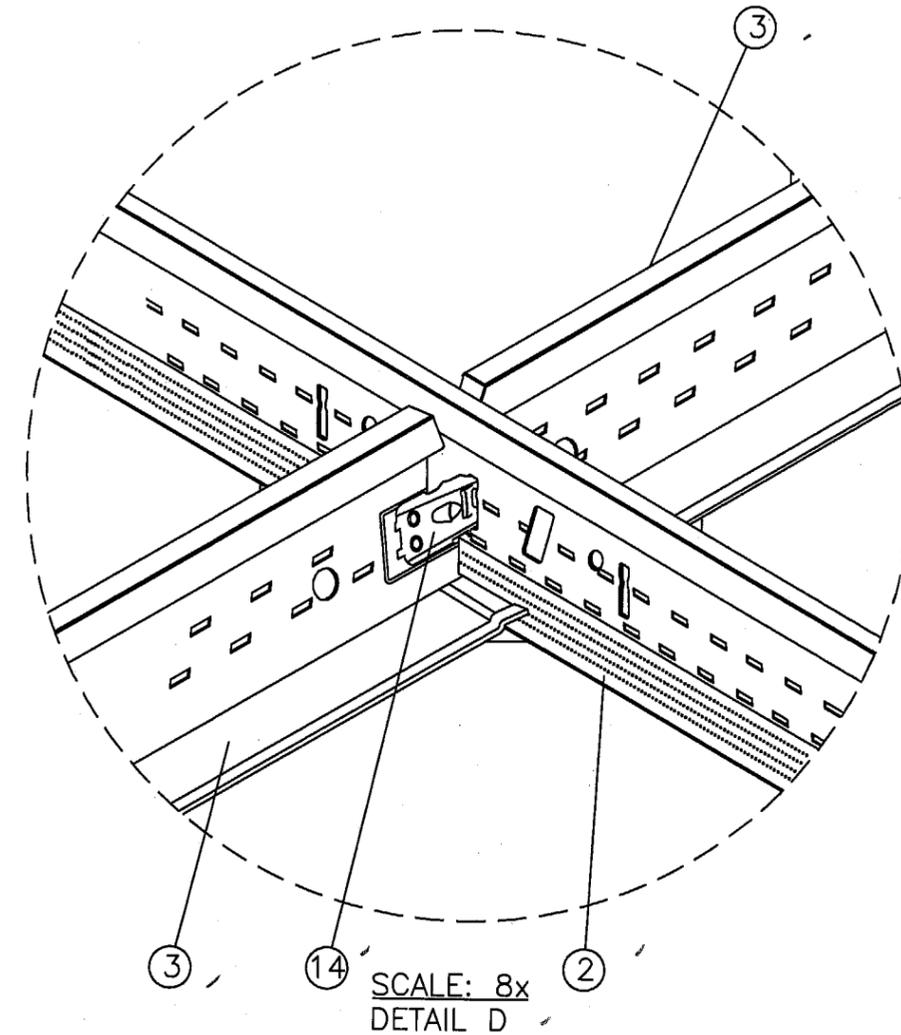
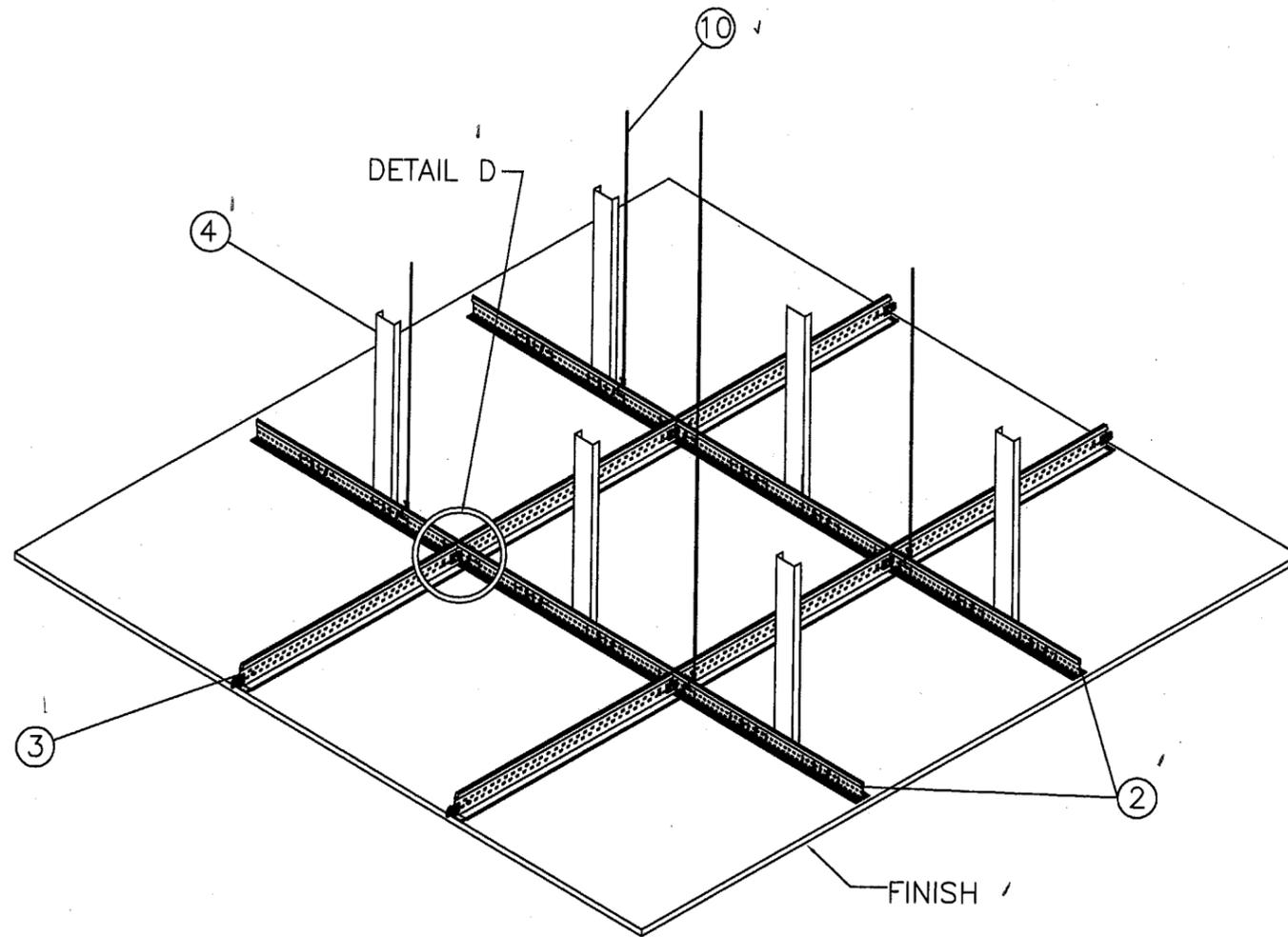
[Signature]
 2/14/05
 Eric S. Nielsen
 Florida P. E. No. 41323
 Product Technology Corporation
 1150 Louisiana Ave., Suite 6
 Winter Park, Florida 32789
 FBPE Certification of Authorization NO. 8681

WAVE
 9 OLD LINCOLN HW, MALVERN, PA 19355

TITLE: ELEVATION & CROSS SECTIONS
 120" X 120" EIFS CEILING SYSTEM

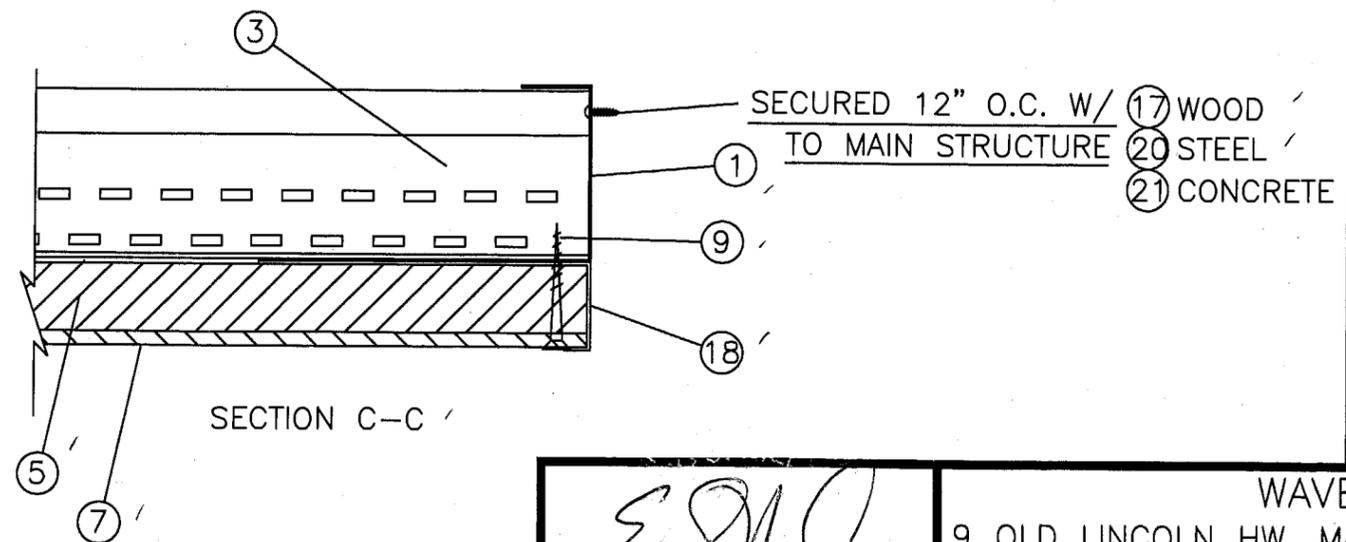
PREPARED BY: **PTC** Product Technology Corporation
 DRN: BB DATE: 06/18/04
 SCALE: NTS DWG. NO: WAV0001
 REV: B SHEET: 1 OF 6

Phone 407.622.6334 Fax 407.622.6335



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 A641.
- 3) HANGER WIRE TO BE SPACED A MINIMUM OF 24" O.C.
- 4) VERTICAL BRACING TO BE INSTALLED ON MAIN BEAMS AT A MINIMUM OF 24" O.C.
- 5) 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/MASONRY 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 SHEET METAL SCREW, W/1 1/8" MINIMUM EMBEDMENT.
 - c.) STEEL FRAMING SUBSTRATE WITH (3) ITEM #17, #8 SHEET METAL SCREW, W/MINIMUM 3 PITCHES OF THREAD BEYOND STEEL FRAMING.



Approved as complying with the Florida Building Code
 Date 03/17/05
 NOA# 04-0116-03
 Miami Dade Product Control Division
 By [Signature]

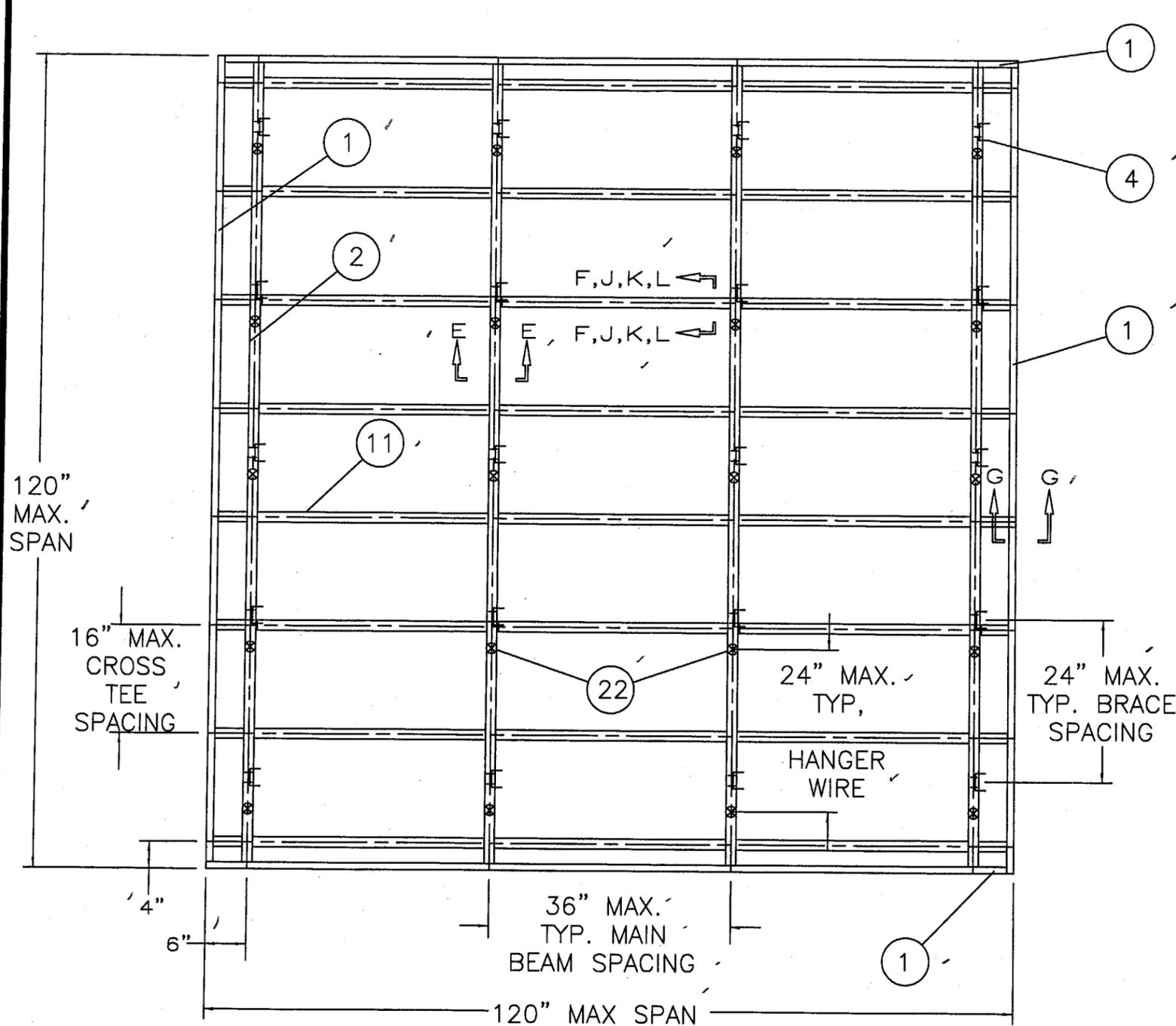
SYM	REVISION	DATE	BY
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B	Revised per Dade letter dated 10/25/04	11/16/04	BB
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[Signature]
 2/14/05
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 Product Technology Corporation
 1150 Louisiana Ave., Suite 6
 Winter Park, Florida 32789
 FBPE Certification of Authorization NO. 8681

WAVE
 9 OLD LINCOLN HW, MALVERN, PA 19355

TITLE: EIFS SYSTEM DETAILS

PREPARED BY: PTC Product Technology Corporation	DRN: BB	DATE: 06/25/04
	SCALE: NTS	DWG. NO: WAV0001
	REV: B	SHEET: 2 OF 6



SEE NOTE
2 SHT. 6

SEE NOTE
1 SHT. 4

SEE NOTE
2 SHT. 6

SEE NOTE
5 SHT. 4

SEE NOTE
1 SHT. 4

SEE NOTE
2 SHT. 6

SEE NOTE
2 SHT. 6

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Miami Dade Product Control
Division
By:

NOT IMPACT RESISTANCE
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+75.0/-75.0 PSF MAXIMUM

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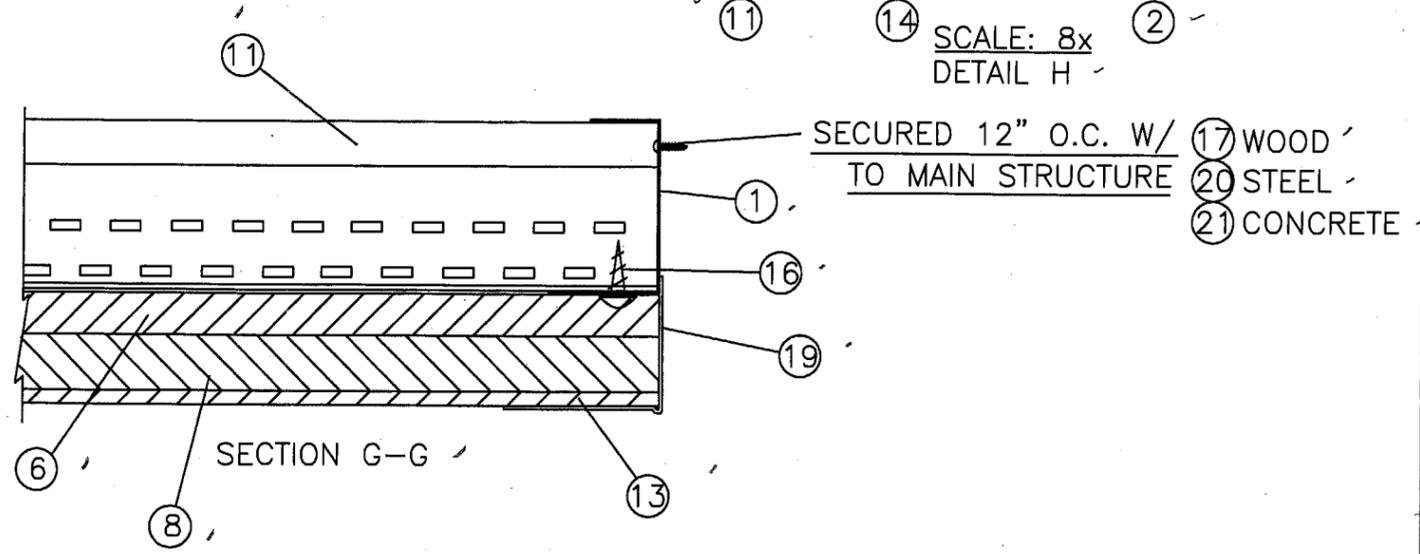
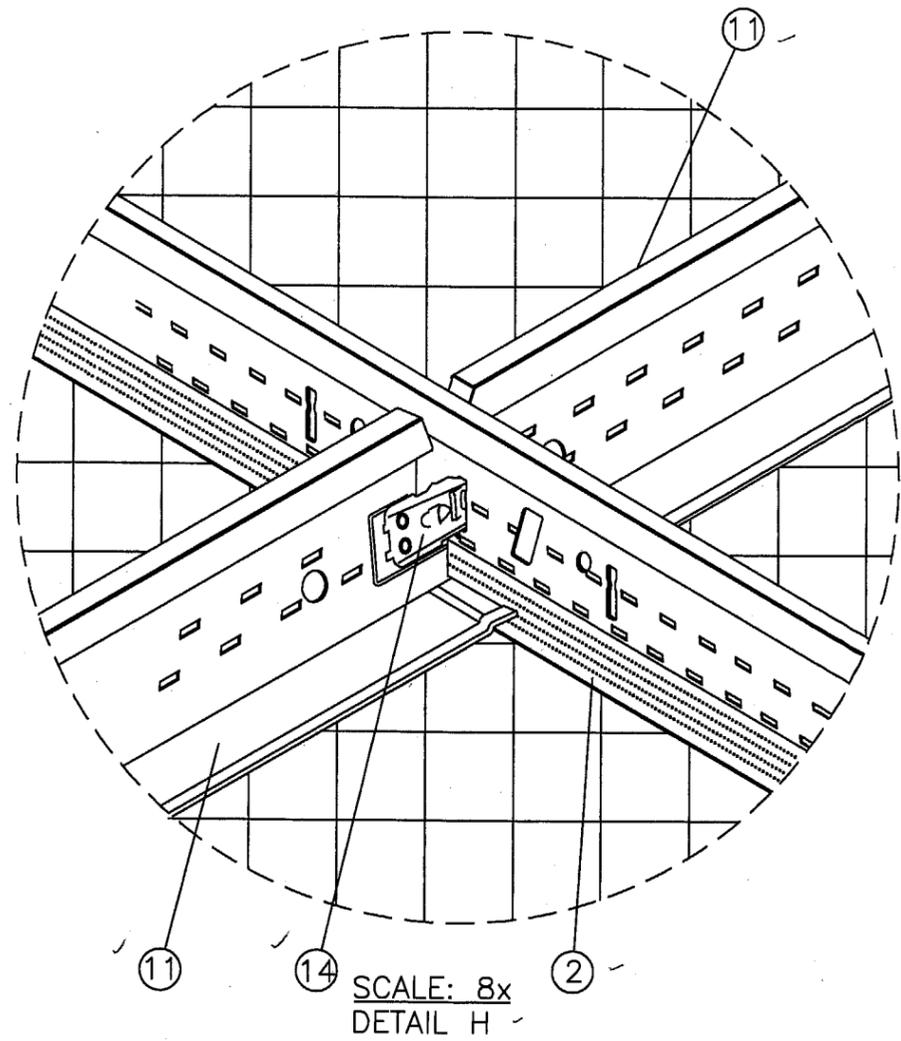
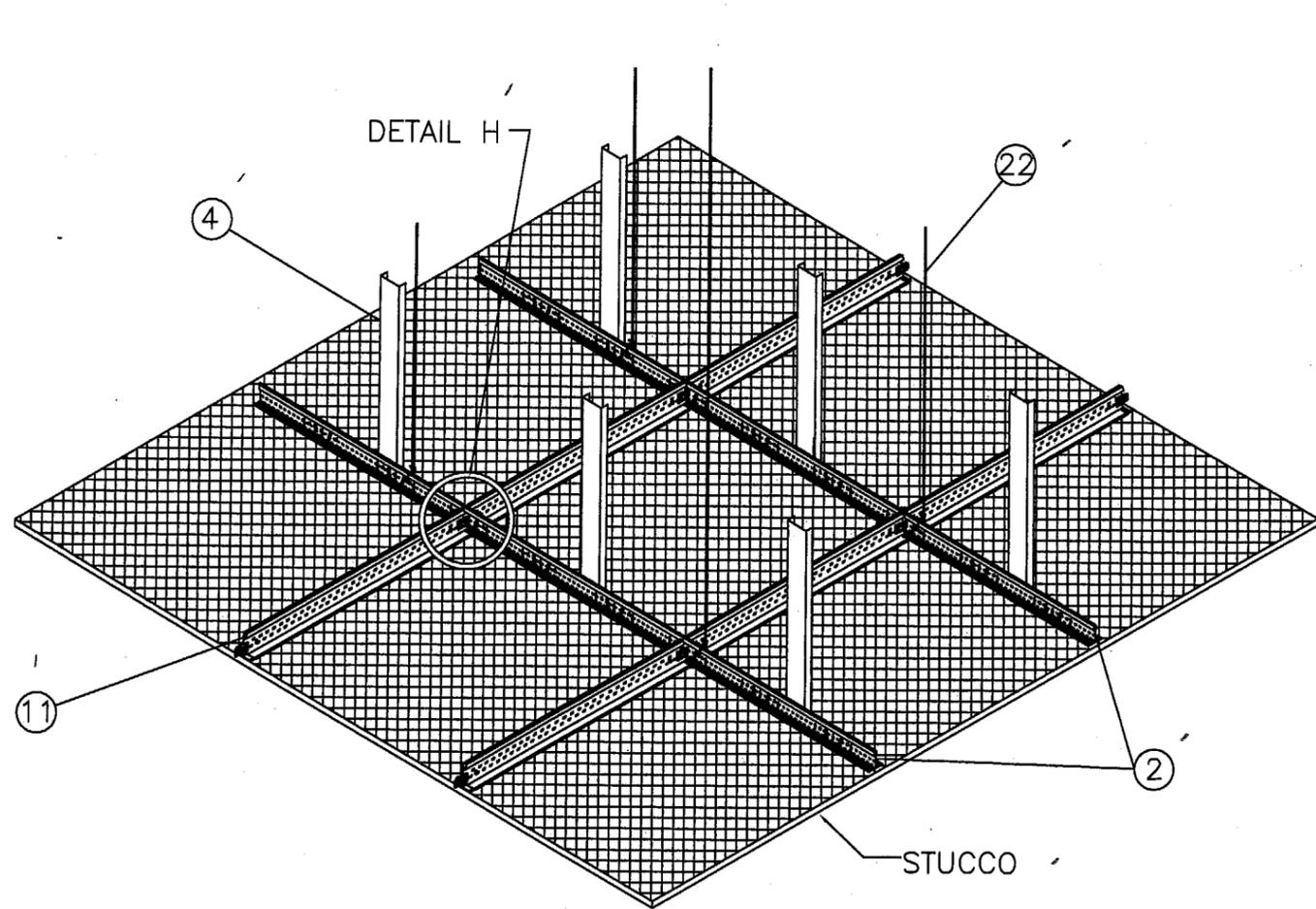
WAVE
9 OLD LINCOLN HW, MALVERN, PA 19355

TITLE: ELEVATION & CROSS SECTIONS
120" X 120" STUCCO CEILING SYSTEM

PREPARED BY: Product Technology Corporation

DRN: BB	DATE: 06/18/04
SCALE: NTS	DWG. NO: WAV0001
REV: B	SHEET: 3 OF 6

Phone 407.622.6334 Fax 407.622.6335



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 A641.
- 3) HANGER WIRE TO BE SPACED A MINIMUM OF 24" O.C.
- 4) VERTICAL BRACING TO BE INSTALLED ON MAIN BEAMS AT A MINIMUM OF 24" O.C.
- 5) 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/MASONRY 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 SHEET METAL SCREW, W/1 1/8" MINIMUM EMBEDMENT.
 - c.) STEEL FRAMING SUBSTRATE WITH (3) ITEM #17, #8 SHEET METAL SCREW, W/MINIMUM 3 PITCHES OF THREAD BEYOND STEEL FRAMING.

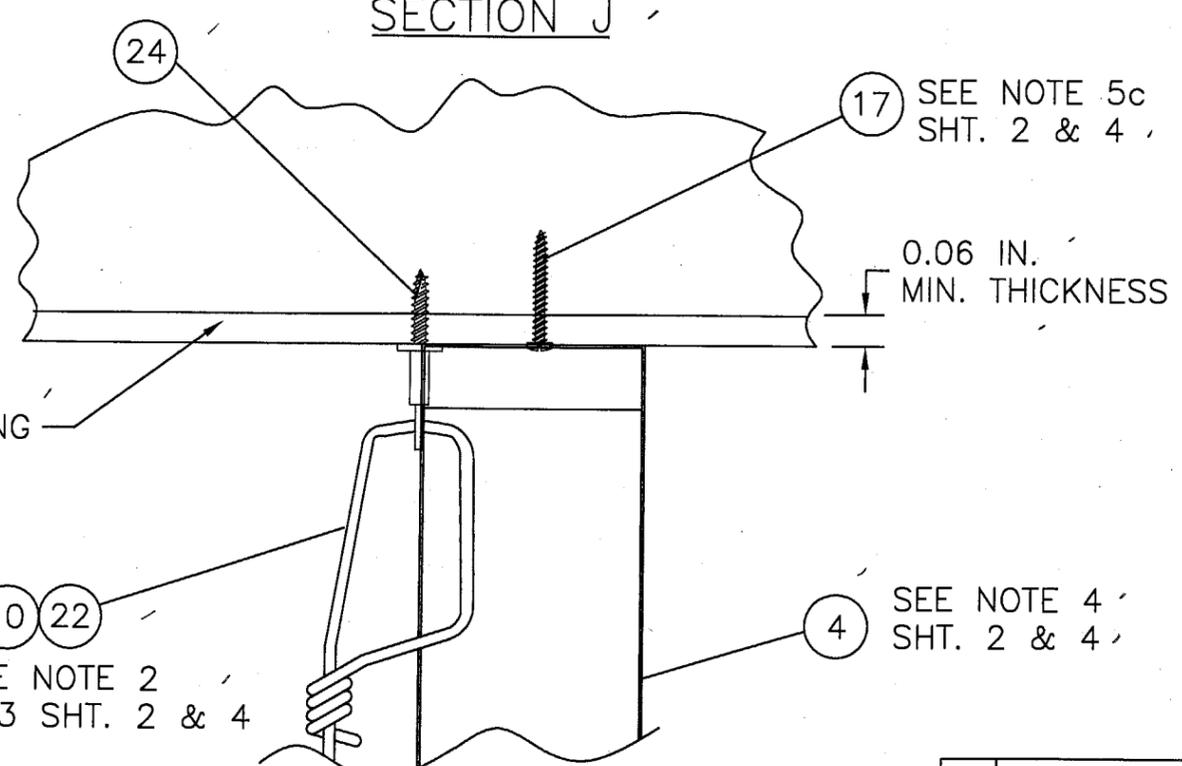
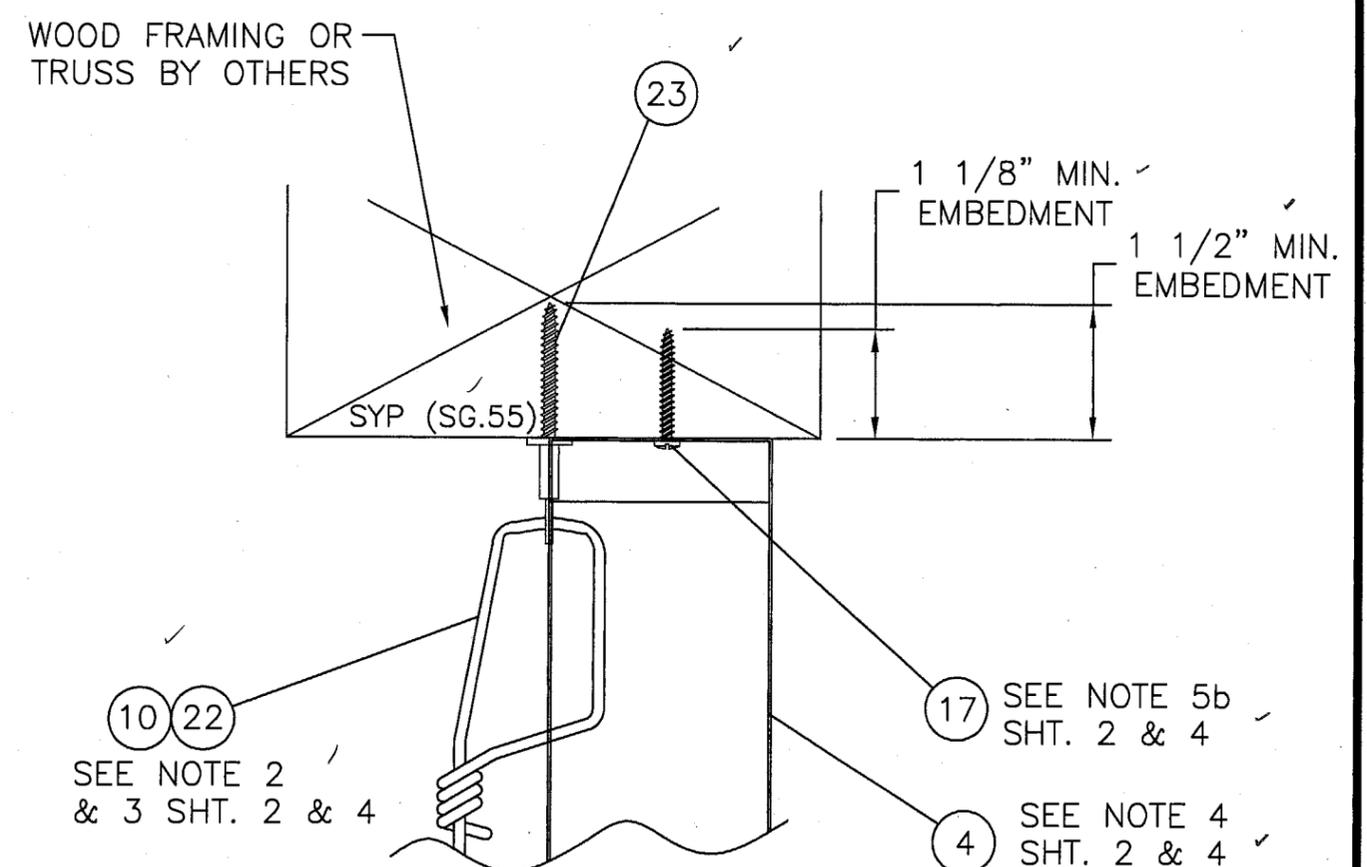
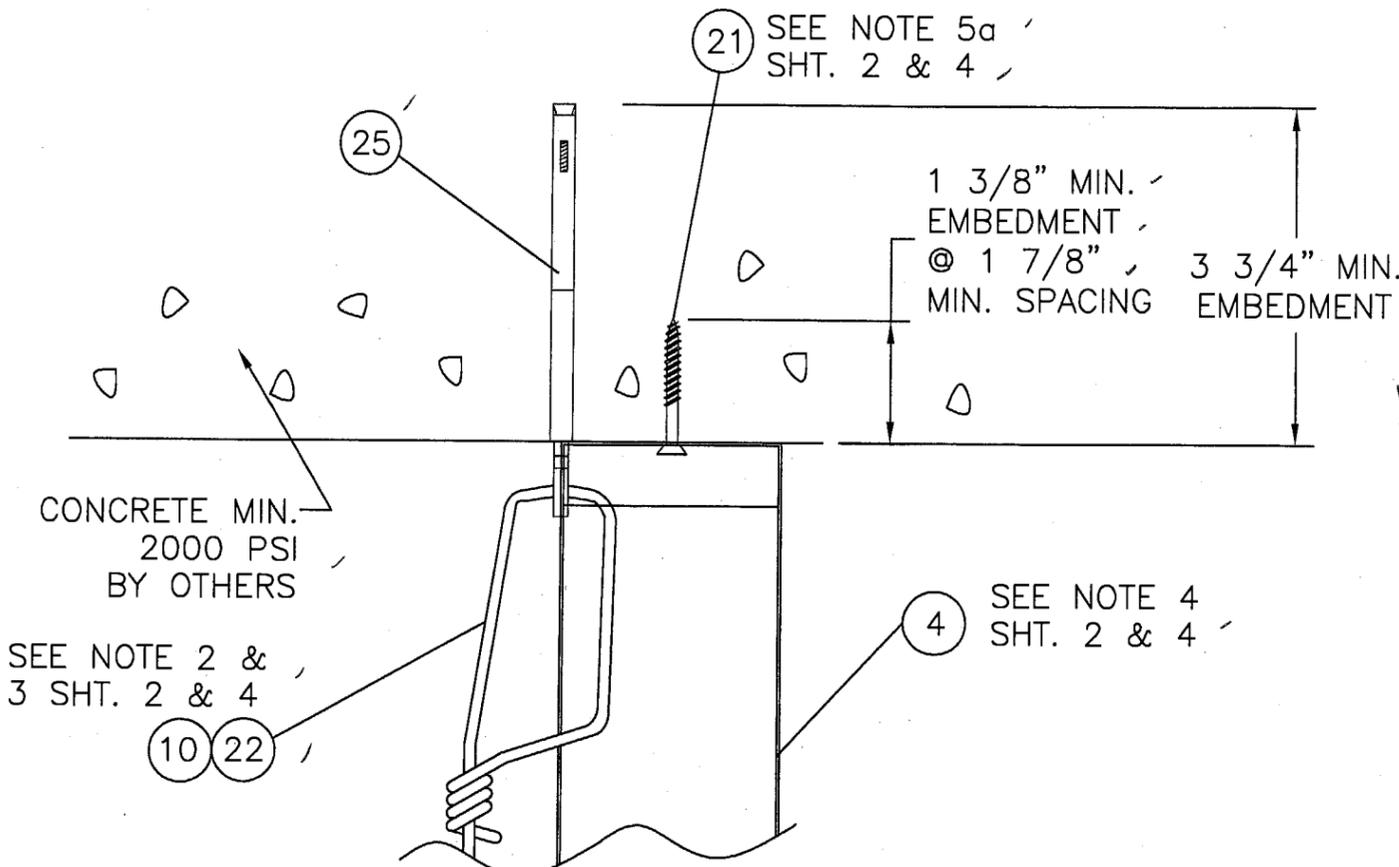
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 NOA# 04-0716.03
 Miami Dade Product Control Division
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2/14/05
 Eric S. Nielsen
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 Product Technology Corporation
 1150 Louisiana Ave., Suite 6
 Winter Park, Florida 32789
 FBPE Certification of Authorization NO. 8681

WAVE
 9 OLD LINCOLN HW, MALVERN, PA 19355
 TITLE: STUCCO SYSTEM DETAILS

PREPARED BY: Product Technology Corporation	DRN: BB	DATE: 06/25/04
SCALE: NTS	REV: B	DWG. NO: WAV0001
Phone 407.622.6334 Fax 407.622.6335		SHEET: 4 OF 6



Approved as complying with the Florida Building Code
Date 03/17/05
NOAH 04-0116.03
Miami Dade Product Control Division
By

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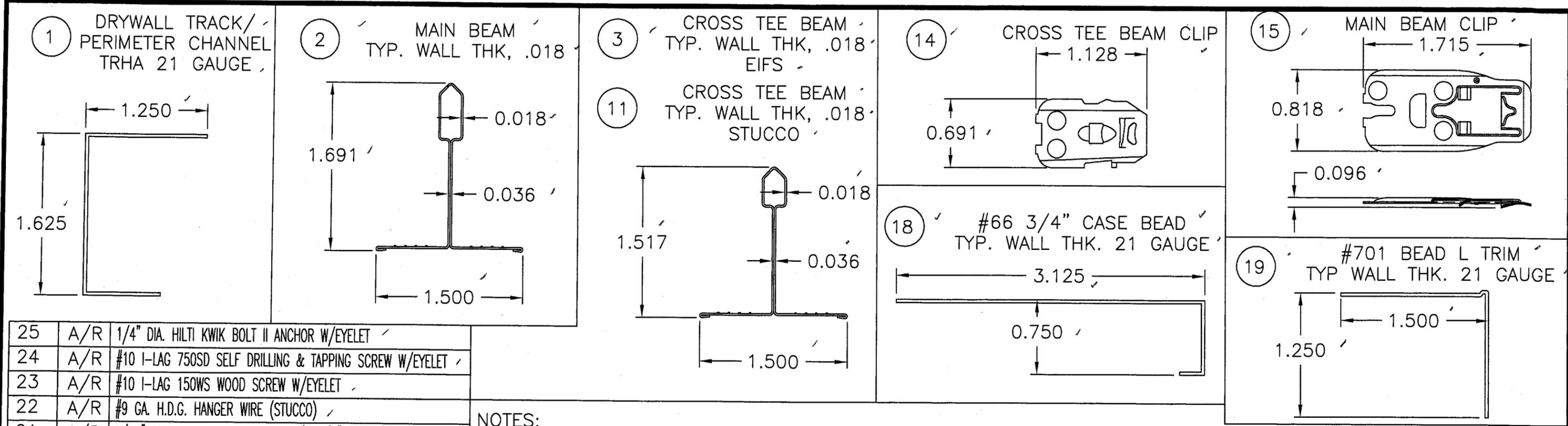
WAVE
9 OLD LINCOLN HW, MALVERN, PA 19355

TITLE: ELEVATION & CROSS SECTIONS
STUCCO CEILING SYSTEM INSTALLATION DETAILS

PREPARED BY: Product Technology Corporation

DRN: BB	DATE: 06/18/04
SCALE: NTS	DWG. NO: WAV0001
REV: B	SHEET: 5 OF 6

Phone 407.622.6334 Fax 407.622.6335



25	A/R	1/4" DIA. HILTI KWIK BOLT II ANCHOR W/EYELET
24	A/R	#10 I-LAG 750SD SELF DRILLING & TAPPING SCREW W/EYELET
23	A/R	#10 I-LAG 150WS WOOD SCREW W/EYELET
22	A/R	#9 GA. H.D.G. HANGER WIRE (STUCCO)
21	A/R	3/16" DIAMETER POWER TAPPER W/1 3/8" MIN. EMBEDMENT
20	A/R	#12 SELF DRILLING & TAPPING BLAZER PANCAKE HEAD SCREW
19	A/R	#701 BEAD L TRIM ZINC BY UNIMAST 1 1/4" x 1 1/2" x 21 GA.
18	A/R	#66 3/4" CASE BEAD BY UNIMAST 3/4" x 3 1/8" x 21 GA.
17	A/R	#8 SHEET METAL SCREW TEK ITW BUILDEX
16	A/R	#6 X 9/16" TRUSS HD SELF DRILLING SCREW
15	A/R	MAIN BEAM CLIP BY WAVE
14	A/R	CROSS TEE CLIP BY WAVE
13	A/R	STUCCO FINISHED COAT (SEE NOTE 2 SHEET 5)
12	A/R	BUILDING STRUCTURE OR 2 BY WOOD BUCK BY OTHERS
11	A/R	G-90 XL7231 CROSS TEE BY WAVE (STUCCO)
10	A/R	#12 Ga. H.D.G. HANGER WIRE (EIFS)
9	A/R	#8 x 1-1/4" LG. MODIFIED TRUSS HEAD K LATH DRYWALL SCREW
8	A/R	STUCCO BASED COAT (SEE NOTE 2, SHEET 5)
7	A/R	EIFS FINISHED COAT (SEE NOTE 1, SHEET 5)
6	A/R	3/8" RIBBED SHEET LATH, 3.4 LBS/SQ.YD., AS PER ASTM C-847
5	A/R	1/2" DRYWALL SHEET DENSGLASS GOLD, GEORGIA PACIFIC
4	A/R	STUD 2-1/2" X 1 1/4" STH-22 Ga., 33 KSI VERTICAL BRACE
3	A/R	XL8926 G-90 CROSS TEE BY WAVE (EIFS)
2	A/R	HD8906 G-90 MAIN BEAM BY WAVE
1	A/R	TRHA 21 GA., 1-5/8"x1-1/4" DRYWALL TRACK/PRIMETER CHANNEL, 33 KSI BY WAVE
ITEM	QTY	DESCRIPTION

NOTES:

- 1) 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.
- 2) 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.
- 2A) STUCCO MIX CONSIST OF: 22 SHOVELS OF 144 SAND, 2 1/2 GALLONS "THORO" BRAND ACRYL 60 ACRYL ADDITIVE, 1 PACK CONTROL "X" CHOPPED FIBERS, 1 BAG (50 LBS.) TYPE "S" LIME, 1 BAG (94 LBS.) TYPE "1" PORTLAND CEMENT.

Approved as complying with the Florida Building Code
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 NOA#: 04-0716.03
 Miami Dade Product Control Division
 By:

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SYM	REVISION	DATE	BY

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 Product Technology Corporation
 1150 Louisiana Ave., Suite 6
 Winter Park, Florida 32789
 FBPE Certification of Authorization NO. 8681

WAVE
 9 OLD LINCOLN HW, MALVERN, PA 19355
 TITLE: EIFS & CEILING SYSTEMS COMPONENTS & B.O.M.
 PREPARED BY: Product Technology Corporation
 DRN: BB DATE: 06/25/04
 SCALE: FULL DWG. NO: WAV0001
 REV: B SHEET: 6 OF 6
 Phone 407.622.6334 Fax 407.622.6335