



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

NewTechWood America, Inc.
15912 International Plaza Dr.
Houston, TX 77032

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: European Models UH58 7" and UH68 6" Cladding Panels Composite Siding Systems

APPROVAL DOCUMENT: Drawing No. **24-049**, titled "Decorative European Wall Cladding Panels Models UH58 7" and UH68 6\"", sheets 1 through 24 of 24, dated 11/20/2024, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E. on 02/28/2025, 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 following statement: "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 and evidence page E-1, as well as the approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



03/12/25

NOA No. 25-0205.01
Expiration Date: March 20, 2030
Approval Date: March 20, 2025
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **24-049**, titled "Decorative European Wall Cladding Panels Models UH58 7" and UH68 6""", sheets 1 through 24 of 24, dated 11/20/2024, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E. on 02/28/2025.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings of the UH58 7" and UH68 6" Wall Cladding Panels, prepared by Blackwater Testing, Inc., Test Report No. **BT-NTW-24-001**, dated 11/08/2024, signed and sealed by Michael D. Caldwell, P.E.

C. CALCULATIONS

1. Anchor verification calculations prepared by Tilteco, Inc., dated 01/14/2025, signed and sealed by Walter A. Tillit, Jr., P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Test reports on Accelerated Weathering (Xenon Arc Light) per ASTM G155-05a and Tensile Strength per ASTM D638-10 of US09 Cladding Panel System, prepared by Blackwater Testing, Inc., Test Report No. **BT-NTW-19-001**, dated 05/07/2019, signed and sealed by Constantin Bortes, P.E.
2. Test report on Surface Burning Characteristics (Flame Spread and Smoke Developed) per ASTM E84-18 of NewTechWood All Weather Siding System, prepared by QAI Laboratories, Test Report No. **RJ6449F-1**, dated 08/30/2018, signed by Brian Ortega.
3. Test report on Plastics Rate of Burning per ASTM D635-14 of NewTechWood All Weather Siding System, prepared by QAI Laboratories, Test Report No. **RJ6449F-2**, dated 08/30/2018, signed by Brian Ortega
4. Test report on Ignition Temperature of Plastics per ASTM D1929-16 of NewTechWood All Weather Siding System, prepared by QAI Laboratories, Test Report No. **RJ6449F-3**, dated 08/31/2018, signed by Brian Ortega.

F. STATEMENTS

1. Statement letter of code conformance to the 8th edition (2023) of the FBC, issued by Tilteco, Inc., dated 01/13/2025, signed and sealed by Walter A. Tillit, Jr., P.E.
2. Statement letter of no financial interest, issued by Tilteco, Inc., dated 01/13/2025, signed and sealed by Walter A. Tillit, Jr., P.E.
3. Distributor agreement dated 10/26/2021.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 25-0205.01
Expiration Date: March 20, 2030
Approval Date: March 20, 2025

GENERAL NOTES:

1. THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) FOR NEWTECHWOOD DECORATIVE EUROPEAN WALL CLADDING PANEL **UH58 7" (SYSTEM #1)** & PANEL **UH68 6" (SYSTEM #2)**, INDICATED AND SPECIFIED ON THIS DRAWING, HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE.
- DESIGN WIND LOADS FOR EACH INSTALLATION SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-22 STANDARD AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATING INDICATED ON NOTE 3 BELOW.
- IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-22 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 3 BELOW.
- IN ORDER TO VERIFY THAT COMPONENTS AND ANCHORS ON THIS P.A.D. AS TESTED WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. A DURATION FACTOR CD=1.60 WAS USED FOR VERIFICATION OF FASTENERS IN WOOD PER NDS 2018.
- NEWTECHWOOD DECORATIVE EUROPEAN WALL CLADDING PANEL **UH58 7" & UH68 6"** PROFILES' ADEQUACY FOR WIND AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER BLACKWATER TECHNICAL SERVICES INC. REPORT #BT-NTW-24-001 PER TAS 202 & 203 PROTOCOLS, AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1616 OF THE FLORIDA BUILDING CODE. SEE NOTE 8 BELOW FOR ADDITIONAL TESTING PERFORMED ON PRODUCT.
2. EXISTING WALL SHALL BE DESIGNED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER OR ARCHITECT AND SHALL BE BUILT FOR IMPACT, WIND & WATER RESISTANCE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AS FOLLOWS:
- 2.1 FOR WOOD FRAME WALLS: PER SECTIONS 1626.4.2 & 1404.2
- 2.2 FOR MASONRY/CONCRETE WALLS: PER SECTIONS 1626.4.1, 1404.4, 1404.6 & 2512
- SEE NOTES ON SHEET 24 FOR ADDED LIMITATIONS & CONDITIONS FOR WOOD FRAME WALLS.
- MAXIMUM A.S.D. DESIGN WIND PRESSURE RATING FOR THIS PRODUCT SHALL NOT EXCEED ±140.0 psf**

* PROFILES TO BE CONTINUOUS MIN. OVER 3 SPANS. **UH58 7" & UH68 6"** BOARDS MAY BE INSTALLED VERTICALLY OR HORIZONTALLY STRICTLY FOLLOWING THE DETAILS INDICATED ON THIS DRAWING.
3. COMPONENTS FOR THIS PRODUCT SHALL BE AS INDICATED ON SHEETS 2 FOR SYSTEM #1 & SHEET 13 FOR SYSTEM #2 OF THIS DRAWING.
5. WOOD FURRING (COMPONENT 6) PROVIDING SUPPORT TO NEWTECHWOOD DECORATIVE EUROPEAN WALL CLADDING PANELS **UH58 7" & UH68 6"** SYSTEMS MUST BE PROPERLY ANCHORED TO TRANSFER LOADS TO THE EXISTING STRUCTURAL WALL. WOOD FURRING MUST BE AS INDICATED ON BILL OF MATERIALS SHEETS 2 AND 13 AND SHALL BE SPACED AS PER DETAILS ON SHEETS 3 THRU 12 FOR SYSTEM #1 & SHEETS 14 THRU 23 FOR SYSTEM #2.
6. THIS PRODUCT'S INSTALLATION SHALL COMPLY WITH ALL SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.
7. (a) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT: I.e. WHERE THE SITE CONDITIONS DEViate FROM THE P.A.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS P.A.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED IN THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS P.A.D. WILL BE CONSIDERED INVALID IF MODIFIED.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D.
- (e) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.

8. DECORATIVE EUROPEAN WALL CLADDING PANELS **UH58 7" & UH68 6"** SYSTEMS PROFILES ARE MADE OF A TECHNOLOGICAL WOOD MATERIAL COMPOSED OF THE COMBINATION OF A PVC COMPONENT AND WOOD FIBERS TO CREATE A MATERIAL WITH A DIMENSIONAL STABILITY THAT IS MUCH GREATER THAN BOTH TRADITIONAL WPC AND WOOD ITSELF.

PANELS HAVE NO PROBLEM RESISTING WATER BECAUSE 80% OF THE WOOD FIBERS ARE COATED BY THE POLYMERIC COMPONENT (PVC AND OTHER ELEMENTS IN THE FORMULA) AND ITS ALSO COATED WITH A CAP LAYER MADE OF POLYETHYLENE BASED COMPOUNDED POLYMER W/58 HARDNESS, PROVIDED BY NEWTECHWOOD AMERICA, INC. CONTAINS NO TOXIC MATERIALS, IS LEED COMPLAINT (SUSTAINABILITY) AND IS NOT SUBJECT TO THE DESTRUCTIVE ACTION OF WOODWORM, FUNGI AND PARASITES. THERMAL EXPANSION MUST BE CONSIDERED DEPENDING ON PANEL LENGTH BY USING COEFFICIENT OF THERMAL EXPANSION LISTED BELOW.

PANEL MATERIAL FIRE BURNING CHARACTERISTICS AND WEATHERING HAVE BEEN VERIFIED AS FOLLOWS:


QUALIFICATION	TEST METHOD	TEST RESULT
DENSITY	ASTM D 2395	1.14 gr/cm ³ (71.1lb/ft ³)
BENDING STRENGTH	ASTM D 4761	3,000 psi
MODULUS OF ELASTICITY	ASTM D 4761	493,000 psi
COEFFICIENT OF LINEAR THERMAL EXPANSION	ASTM D 696	35.6 x10 ⁻⁶ mm/mm °C
WATER ABSORPTION AND HUMIDITY	ASTM D 1073	LITTLE UP TO NO WATER ABSORPTION. (0.11 %) (ONLY SURFACE MOISTURING)
FLAME SPREAD	ASTM E 84	80 (CLASS C)*
SMOKE INDEX	ASTM E 84	300 (CLASS C)*
RATE, EXTENT & TIME OF BURNING	ASTM D 635	CC1 *
SPONTANEOUS SELF/IGNITION TEMP.	ASTM D 1929	820° F *
FLASH IGNITION TEST	ASTM D 1929	800° F *
WEATHERING FOR OUTDOOR EXPOSURE	ASTM G 155 ASTM D 638	9.1% **

* TEST # RJ6449F-1, RJ6449F-2 & RJ6449F-3 BY QAI LAB. (ON FILE AT MIAMI DADE COUNTY)



** PER BLACKWATER TESTING INC. REPORT # BT-NTW-19-001 (ON FILE AT MIAMI DADE COUNTY)

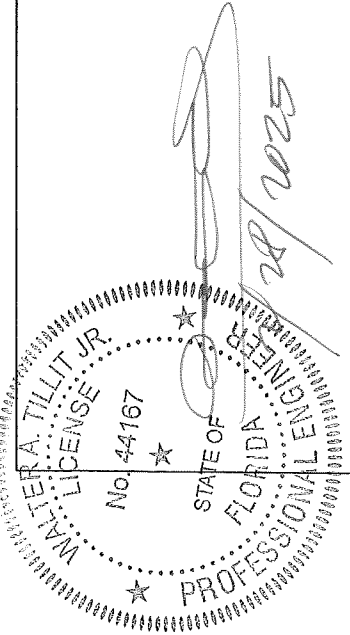
9. PRODUCT MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY VISIBLE AT PLANK LOCATION IN ACCORDANCE WITH SECTION 1703.5 OF THE FLORIDA BUILDING CODE.

THIS DRAWING SHALL ONLY BE USED TO
OBTAIN PERMITS IN THE STATE OF FLORIDA

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0205.01
Approval Date 03/20/2025
By 
Miami-Dade Product Control

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

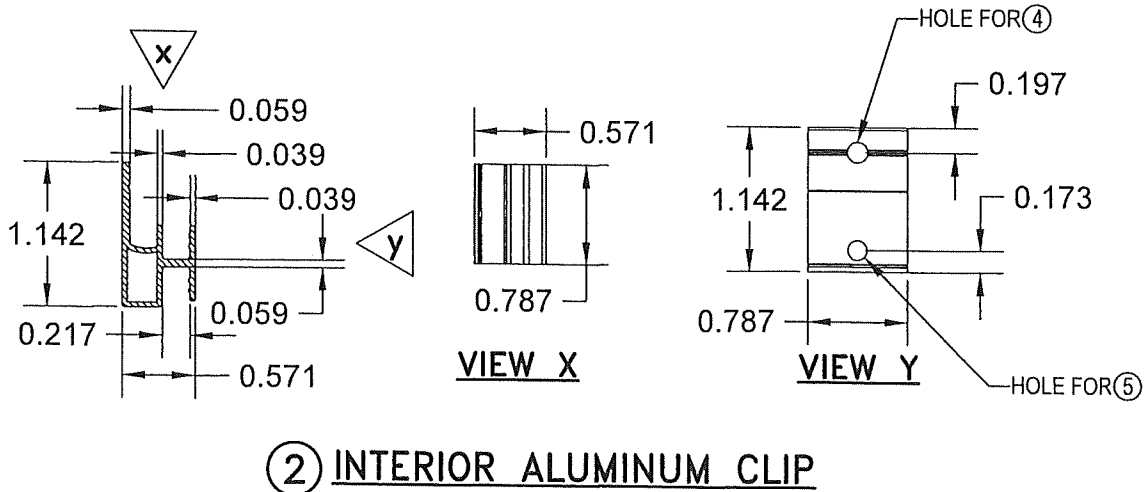
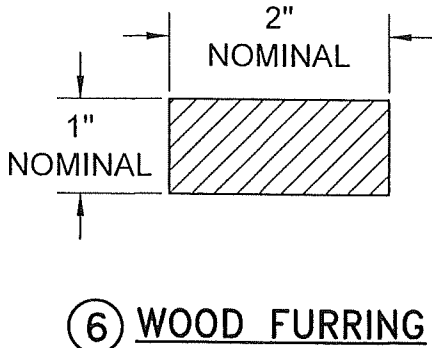
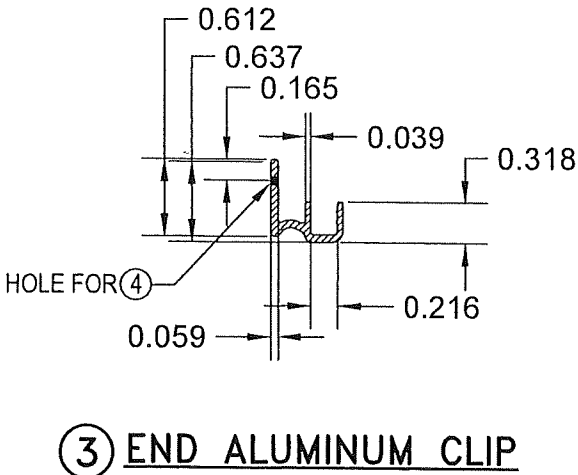
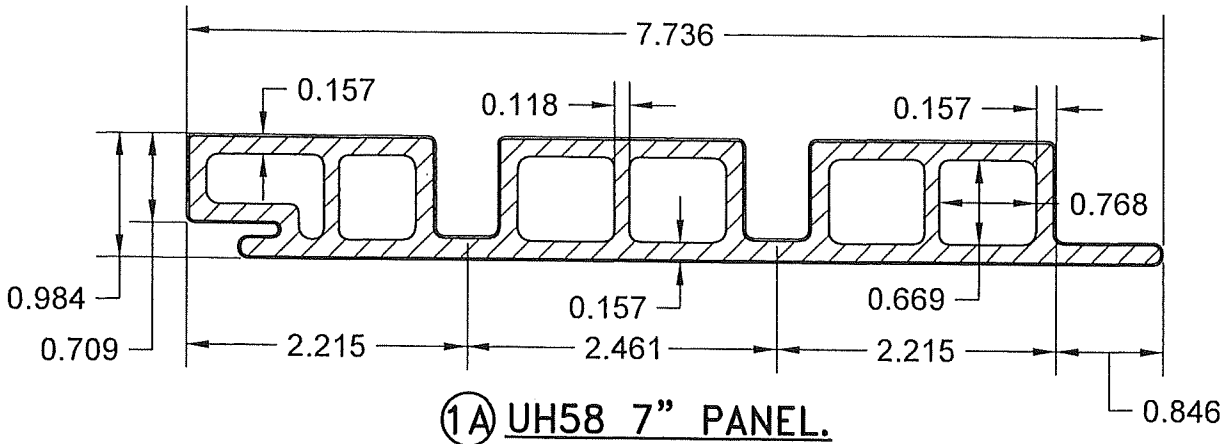
W.H DRAWN BY:		11/20/2024 DATE:		24-049 DRAWING No.		1 of 24 SHEET	
DECORATIVE EUROPEAN WALL CLADDING PANELS UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)		 NewTechWood 16680 Air Center Blvd, Houston, TX 77032		DATE 02/28/25		REV. No 3	
© 2024 TILTECO, INC.		 TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167		DATE 02/28/25		REV. No 4	



P.E. SEAL/SIGNATURE/DATE

BILL OF MATERIALS: OPTIONAL SYSTEM #1 (W/ WALL PANEL 1A)

COMPONENT No.	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1A	UH58 7" PANEL.	SEE COMPONENT DETAIL	COMPOSITE PLASTIC WOOD BY NEW TECH WOOD	NEW TECH WOOD	CLADDING PLANK
2	INTERIOR ALUMINUM CLIP	SEE COMPONENT DETAIL	6063-T5 ALUMINUM ALLOY	-	USE AT CONNECTION OF 1A TO 6 W/ 4 & 5
3	END ALUMINUM CLIP	SEE COMPONENT DETAIL	6063-T5 ALUMINUM ALLOY	-	USE AT END CONNECTION OF 1A TO 6 W/ 4
4	FLAT HEAD SCREW	#8 X 1"	AISI 304 STAINLESS STEEL	ITW/BUILDEX	USE (1) AT 2 TO 6 & AT 3 TO 6
5	FLAT HEAD SCREW	#6 X 1-1/4"	AISI 304 STAINLESS STEEL	ITW/BUILDEX	USE (1) AT 1A TO 2 & 6
6	WOOD FURRING	1" X 2" (NOMINAL)	SOUTHERN YELLOW PINE#2 P.T. WOOD G=0.55	-	SUPPORT FOR 1A FIXED TO EXISTING STRUCTURE W/ 7
7	FASTENERS	1/4"Ø FLAT HEAD TAPCONS	AISI 410 STAINLESS STEEL	ITW/BUILDEX	USE TO CONNECT 6 TO CONCRETE, CONCRETE BLOCK OR WOOD STUD WALL.



COMPONENTS
SCALE: N.T.S

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0205.01
Approval Date 03/20/2025
By [Signature]
Miami-Dade Product Control

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY:

11/20/2024 DATE:

24-049 DRAWING No.

2 of 24 SHEET

DECORATIVE EUROPEAN WALL CLADDING PANELS UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

REV. NO.

DESCRIPTION

DATE

REV. NO.

DESCRIPTION

DATE

1

DL #140 pcf

02/28/25

3

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4

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TILTECO INC.

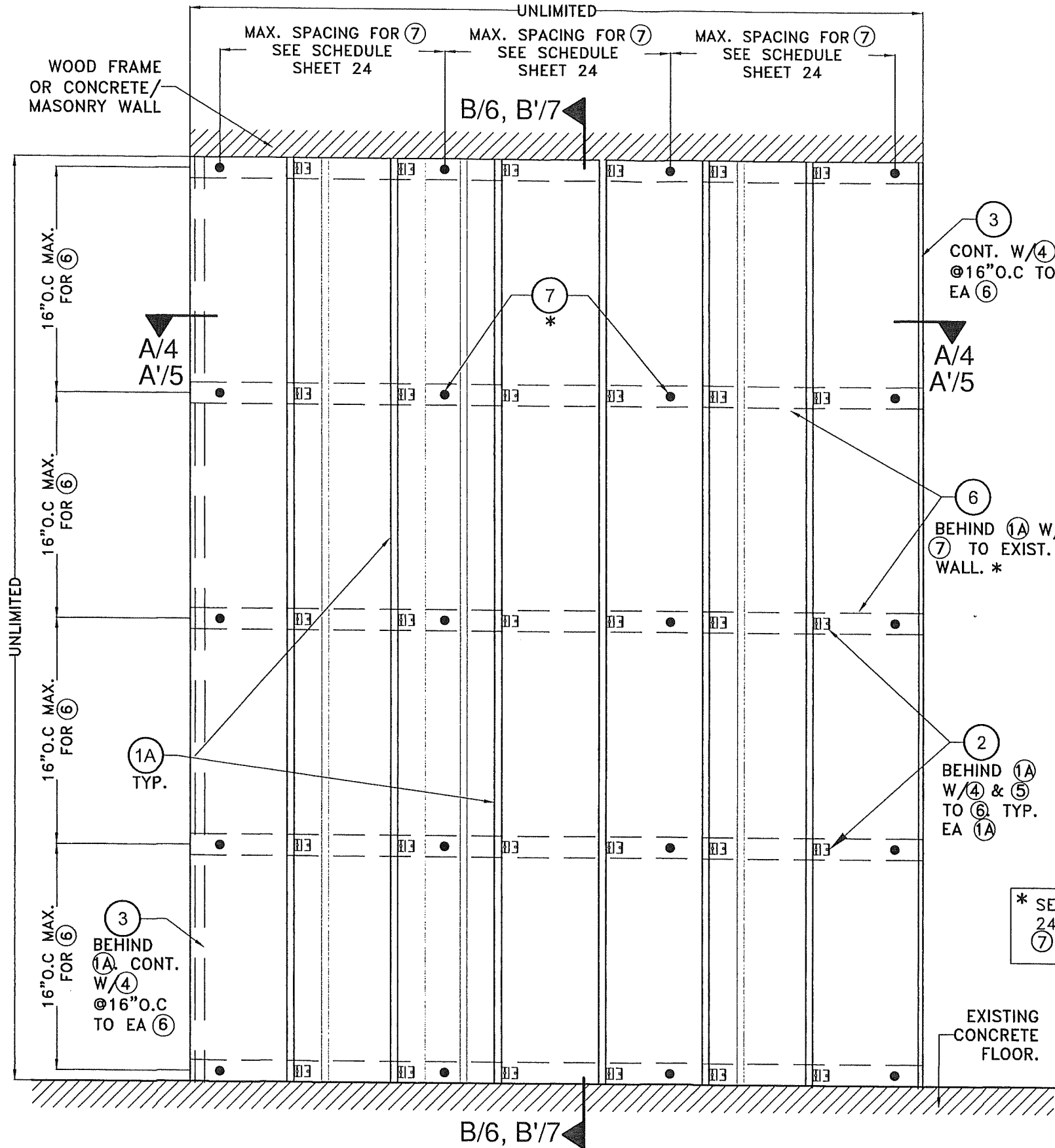
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 • Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER

[Signature]

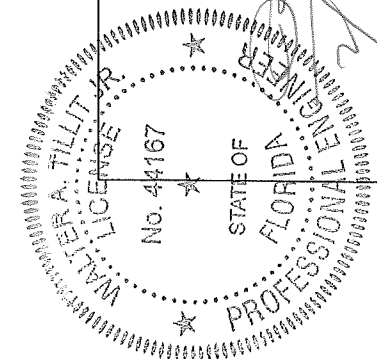
03/20/2025

P.E. SEAL/SIGNATURE/DATE



TYPICAL EXTERIOR ELEVATION W/ (1A) (VERTICALLY ORIENTED)
OPTIONAL SYSTEM #1: INSTALLATION INTO WOOD FRAME OR CONCRETE/MASONRY WALLS.
SCALE: N.T.S

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0205.01
Approval Date 03/20/2025
By *[Signature]*
Miami-Dade Product Control

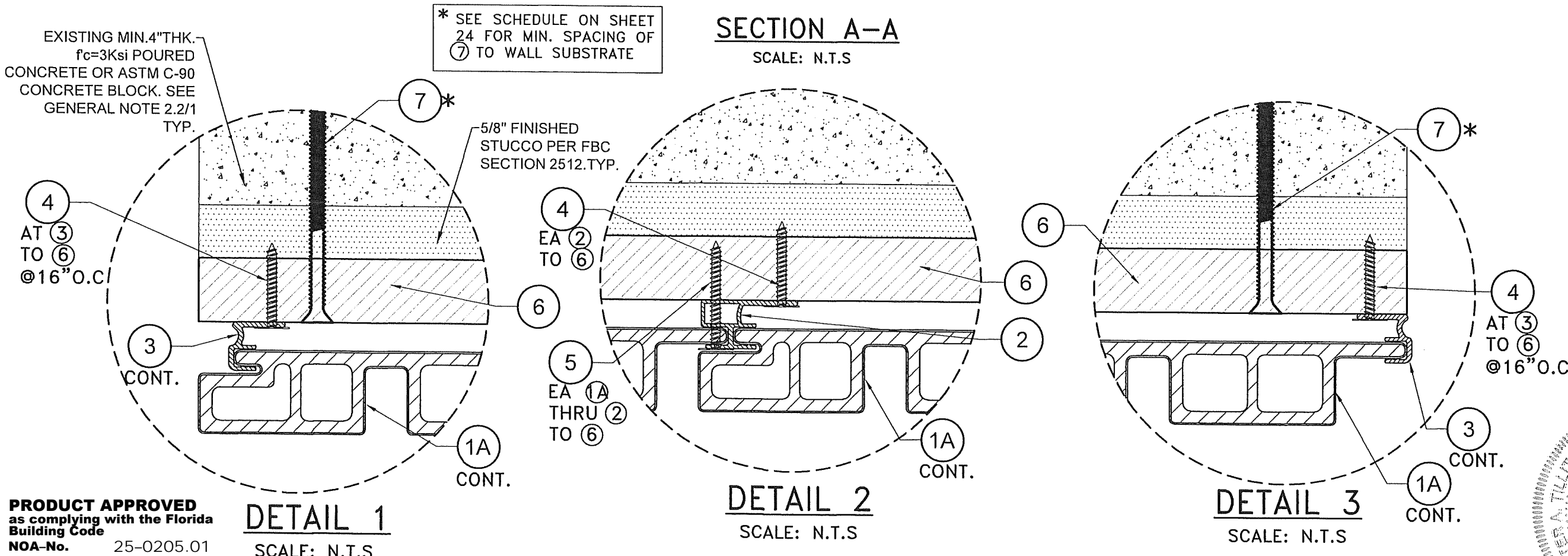
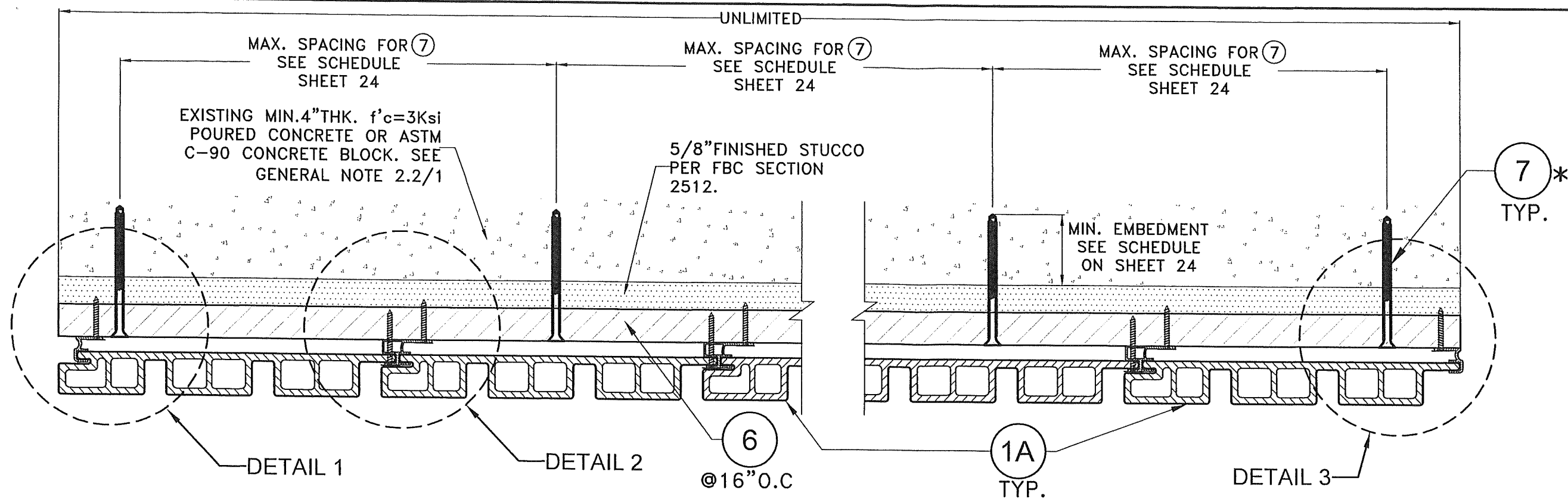


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TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 • Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

DECORATIVE EUROPEAN WALL CLADDING PANELS UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)				W.H. DRAWN BY:	11/20/2024 DATE:	24-049 DRAWING No.	3 OF 24 SHEET
REV. NO	DESCRIPTION	DATE	REV. No	DATE	DESCRIPTION	DATE	
1	D.L. ±140 paf	02/28/25	3	-	-	-	-
2	-	-	4	-	-	-	-



PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0205.01
Approval Date 03/20/2025
By *[Signature]*
Miami-Dade Product Control

OPTIONAL SYSTEM #1: POURED CONCRETE OR CONCRETE BLOCK WALL SUBSTRATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY: **24-049**

11/20/2024 DATE: **24-049**

DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

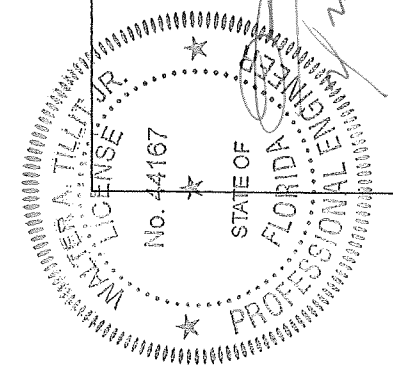
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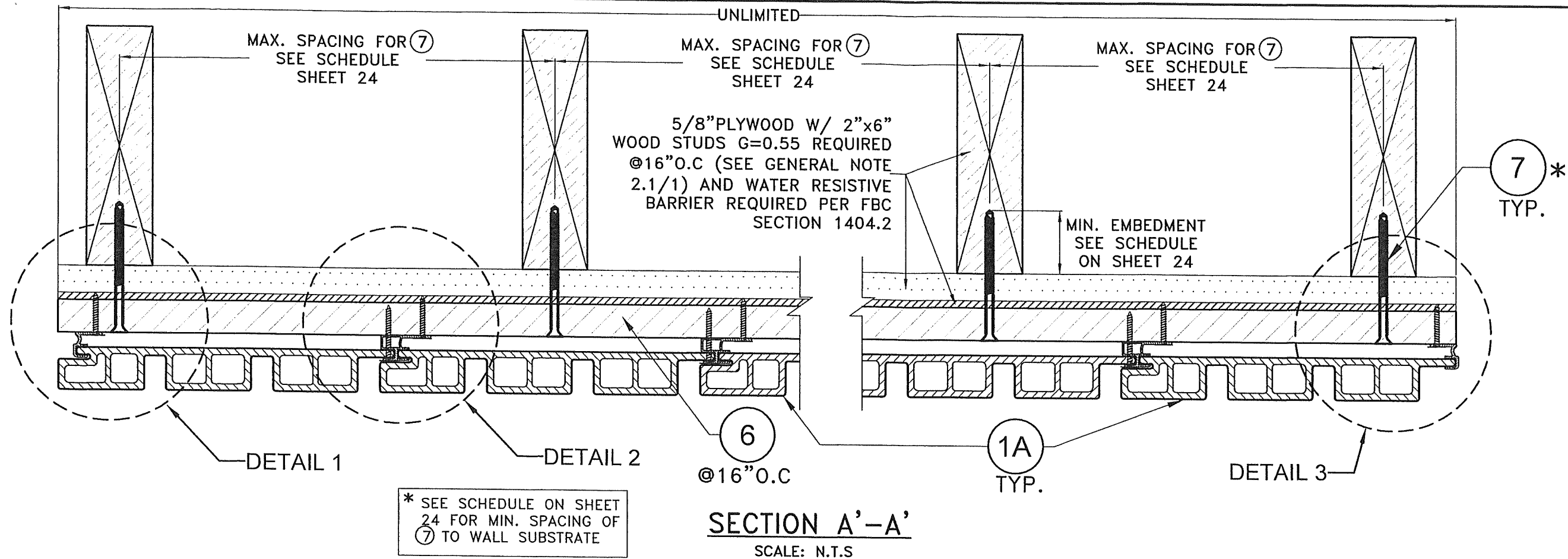
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TILTECO INC.

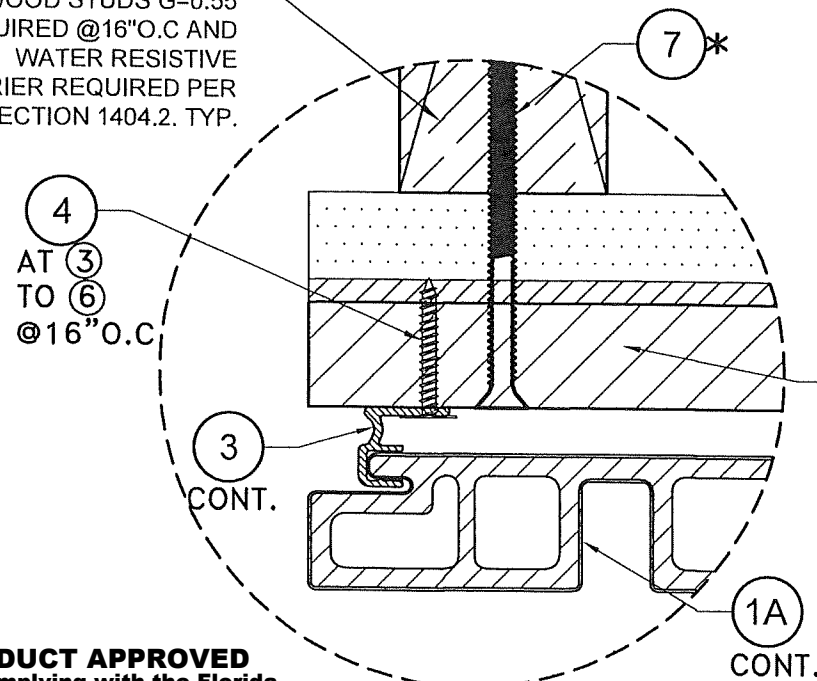
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305) 871-1530 • Fax : (305) 871-1531
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WALTER A. TILLIT Jr., P.E.
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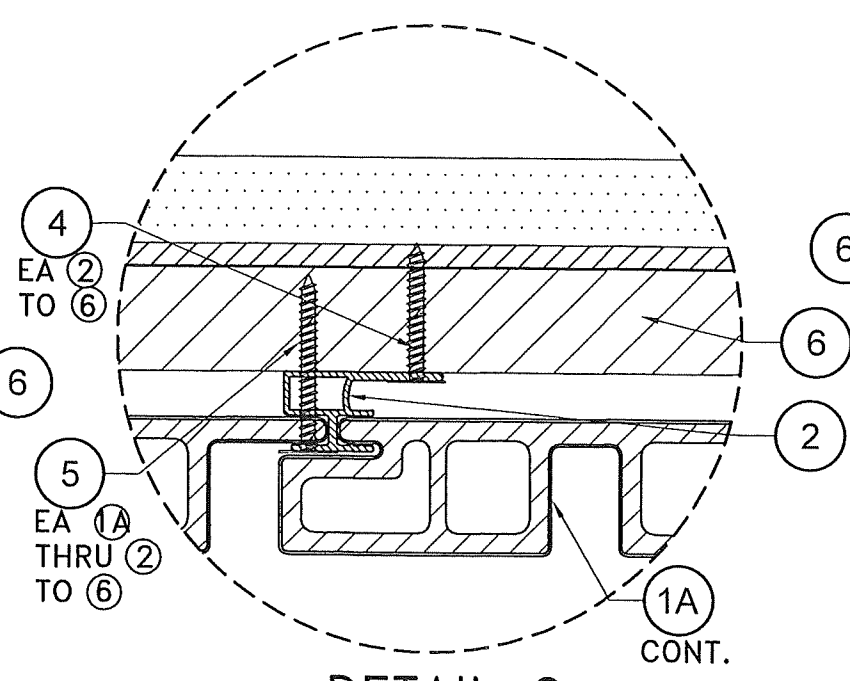
P.E. SEAL/SIGNATURE/DATE



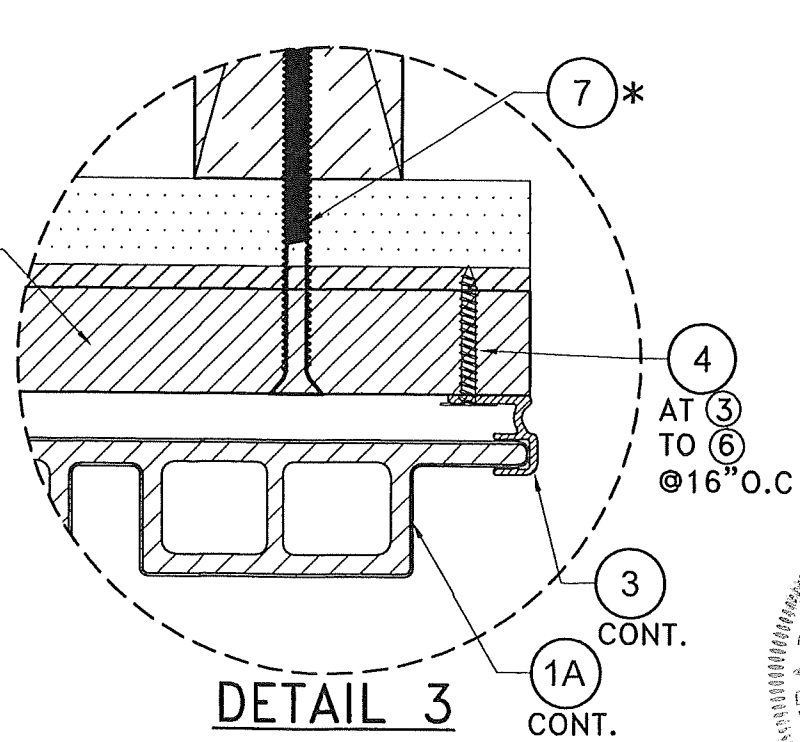
5/8" PLYWOOD W/ 2"x6"
WOOD STUDS G=0.55
REQUIRED @16" O.C AND
WATER RESISTIVE
BARRIER REQUIRED PER
FBC SECTION 1404.2. TYP.



DETAIL 1
SCALE: N.T.S



DETAIL 2
SCALE: N.T.S



DETAIL 3
SCALE: N.T.S

PRODUCT APPROVED
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Building Code
NOA-No. 25-0205.01

Approval Date 03/20/2025

By *[Signature]*
Miami-Dade Product Control

OPTIONAL SYSTEM #1: WOOD FRAME WALLS

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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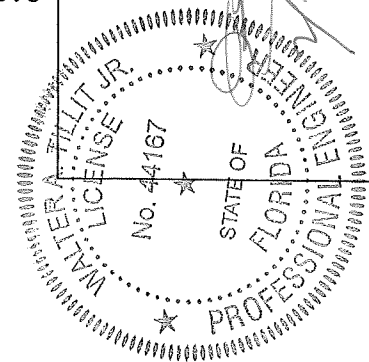
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, Virginia Gardens, FL 33166
Phone : (305) 871-1550 . Fax : (305) 871-1551
CA-0006719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

W.H
DRAWN BY:
11/20/2024
DATE:
24-049
DRAWING No.
SHEET 5 OF 24

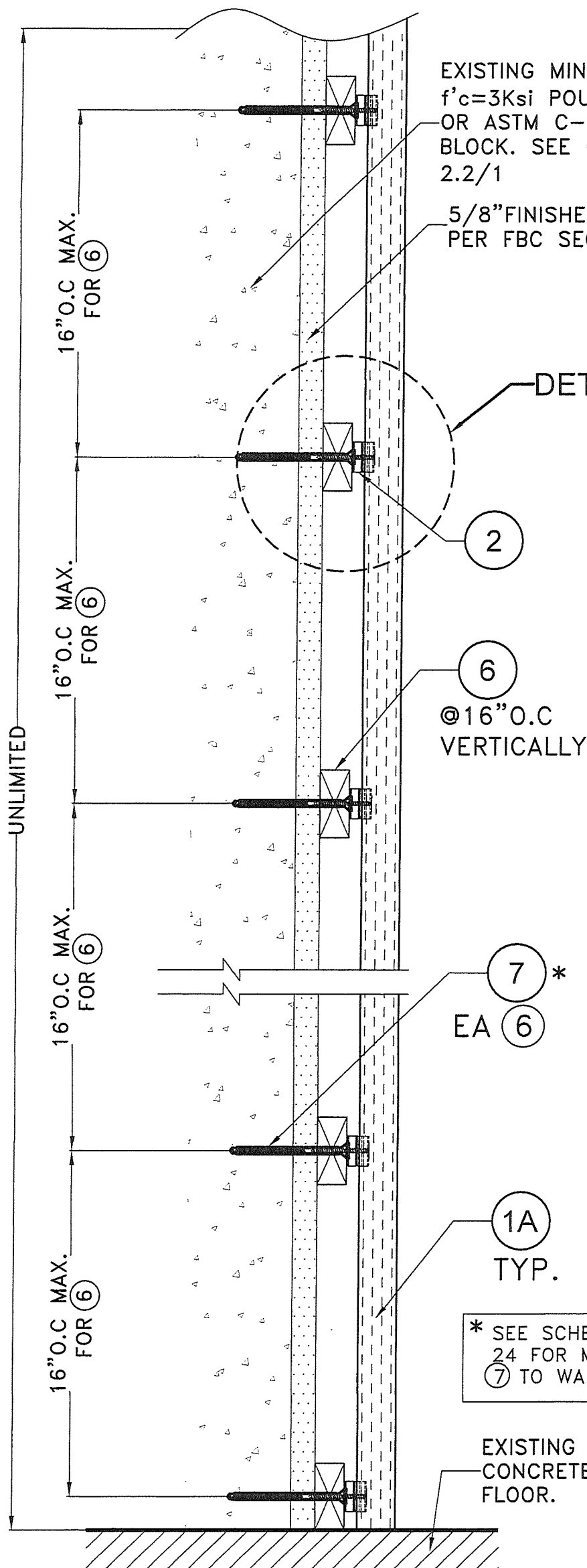


NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	D.L. #140 p4	02/28/25	3	-	-
2	-	-	4	-	-



P.E. SEAL/SIGNATURE/DATE



EXISTING MIN.4"THK.
f'c=3Ksi POURED CONCRETE
OR ASTM C-90 CONCRETE
BLOCK. SEE GENERAL NOTE
2.2/1

5/8"FINISHED STUCCO
PER FBC SECTION 2512.

DETAIL 1

6
@16"O.C
VERTICALLY

7 *
EA 6

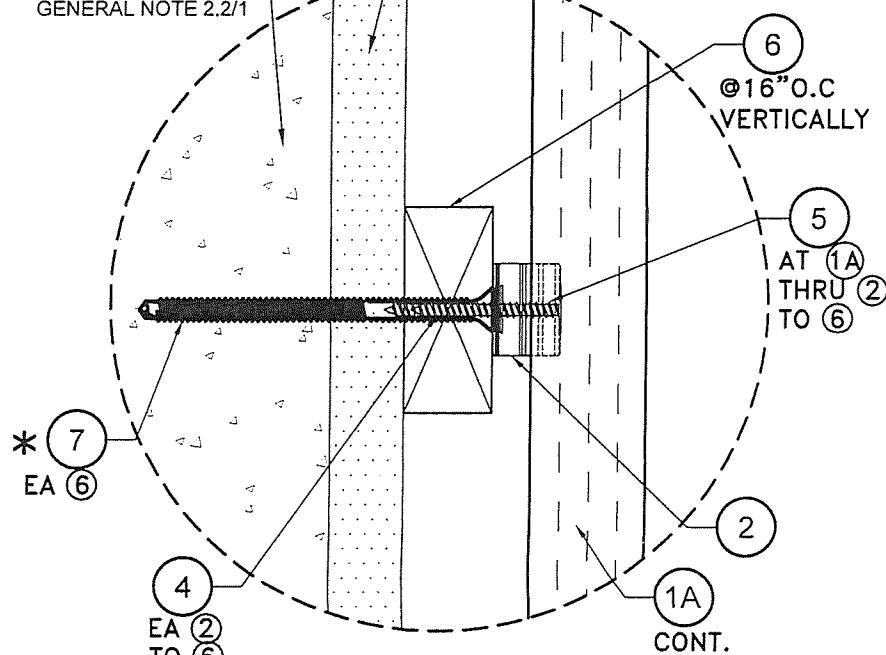
1A
TYP.

* SEE SCHEDULE ON SHEET
24 FOR MIN. SPACING OF
(7) TO WALL SUBSTRATE

EXISTING
CONCRETE
FLOOR.

EXISTING MIN.4"THK.
f'c=3Ksi POURED
CONCRETE OR ASTM C-90
CONCRETE BLOCK. SEE
GENERAL NOTE 2.2/1

5/8"FINISHED
STUCCO PER FBC
SECTION 2512.



DETAIL 1
SCALE: N.T.S

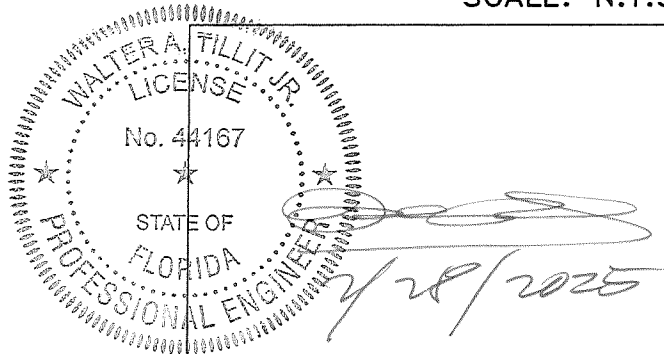
SECTION B-B: OPTIONAL SYSTEM #1: POURED CONCRETE OR CONC. BLOCK WALL.

SCALE: N.T.S

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0205.01

Approval Date 03/20/2025

By *[Signature]*
Miami-Dade Product Control



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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Phone : (305)871-1530 . Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

W.H
DRAWN BY:



NewTechWood
16680 Air Center Blvd,
Houston, TX 77032

11/20/2024
DATE:

24-049

DRAWING No.

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	D.L ±140 psf	02/28/25	3	-	-
2	-	-	4	-	-

SHEET 6 of 24

2

7 *

1A

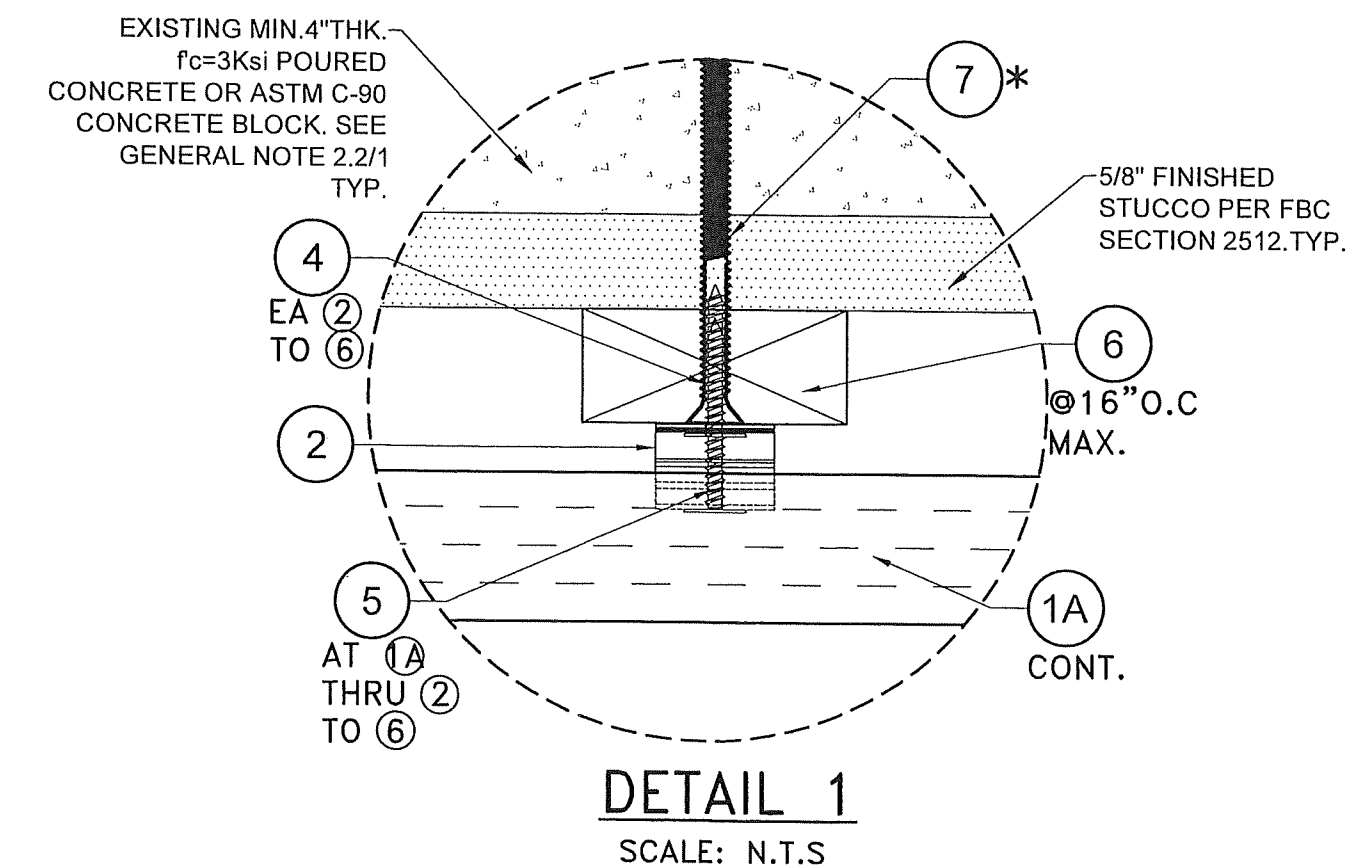
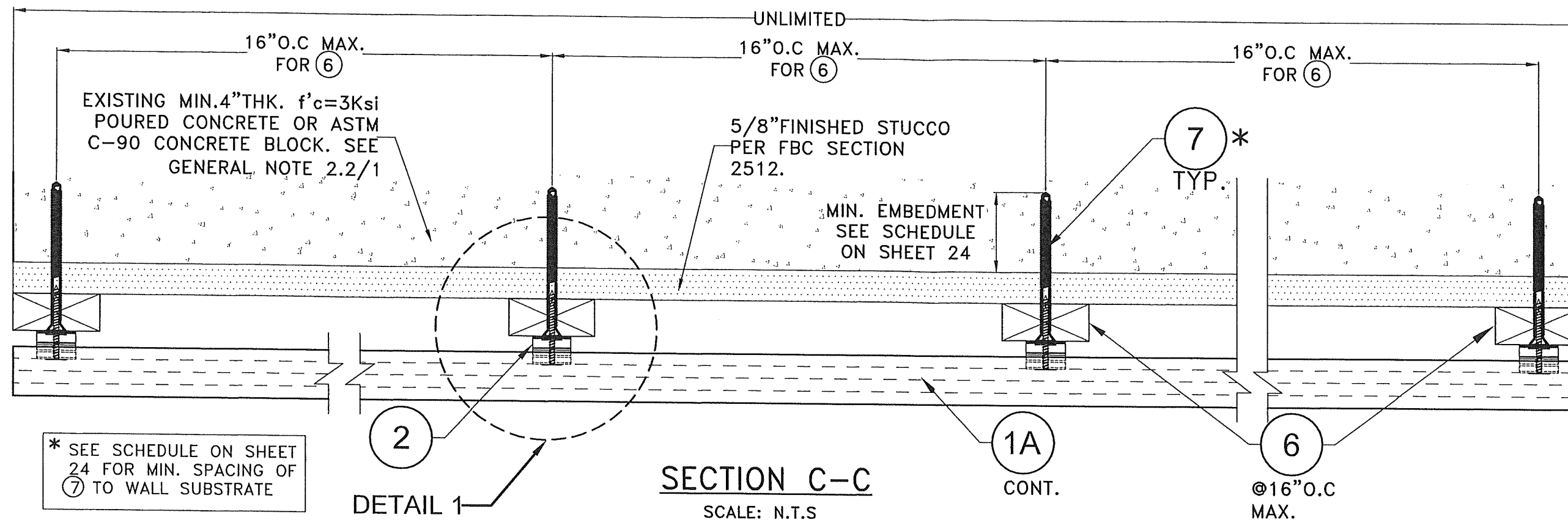
EXISTING
-CONCRETE
FLOOR.

DETAIL 1

SECTION B'-B': OPTIONAL
ITEM #1: WOOD FRAME WALLS.

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	D.L ±140 psf	02/28/25	3	-	-
2	-	-	4	-	-

SHEET 7 OF 24



OPTIONAL SYSTEM #1: POURED CONCRETE OR CONCRETE BLOCK WALL SUBSTRATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531

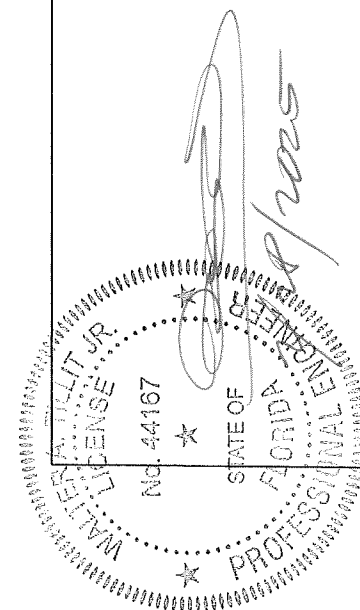
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

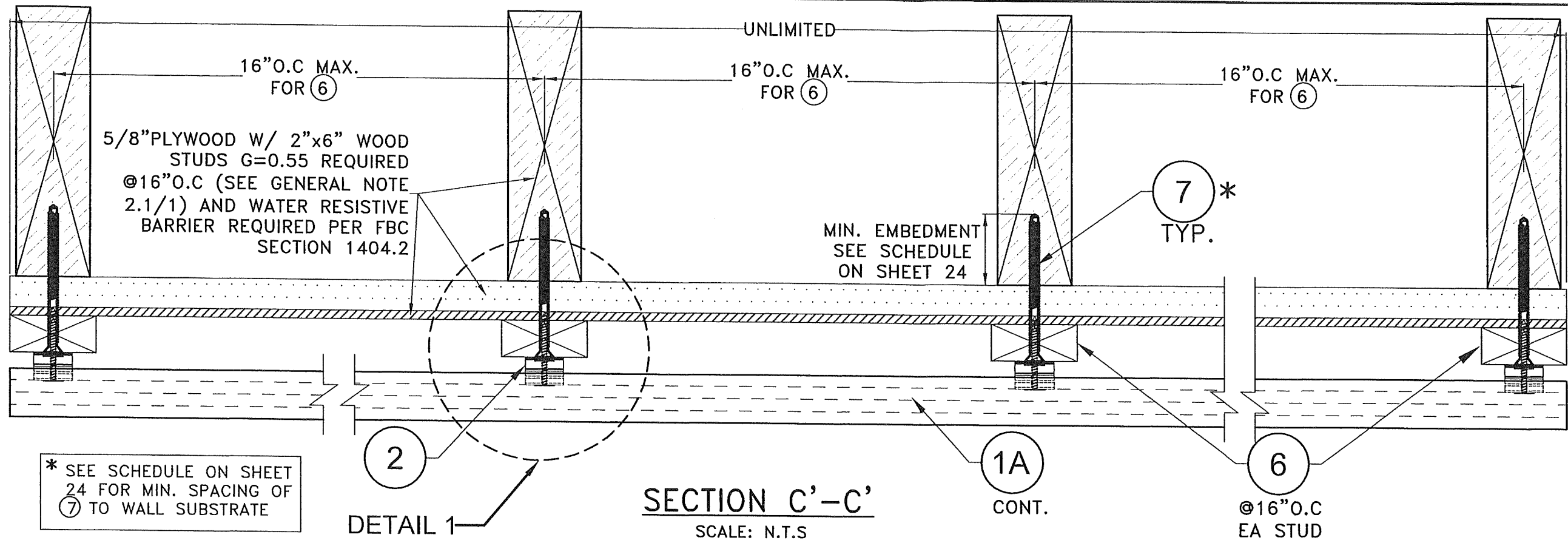
W.H
DRAWN BY:

24-049

DRAWING No.	
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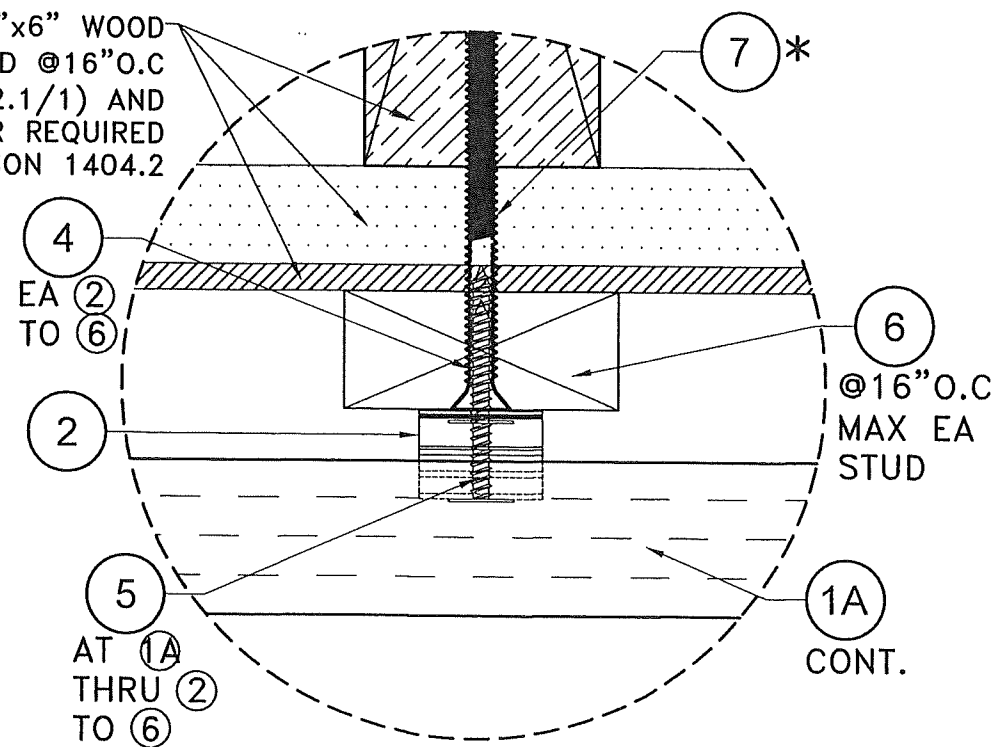
P.E. SEAL/SIGNATURE/DATE





* SEE SCHEDULE ON SHEET 24 FOR MIN. SPACING OF ⑦ TO WALL SUBSTRATE

5/8"PLYWOOD W/ 2"x6" WOOD STUDS G=0.55 REQUIRED @16"O.C (SEE GENERAL NOTE 2.1/1) AND WATER RESISTIVE BARRIER REQUIRED PER FBC SECTION 1404.2



DETAIL 1
SCALE: N.T.S

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0205.01
Approval Date 03/20/2025
By *[Signature]*
Miami-Dade Product Control

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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CA-0006719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

W.H.
DRAWN BY:



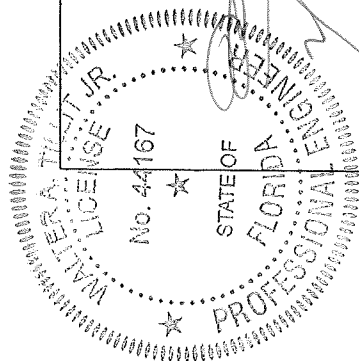
NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

11/20/2024
DATE:

24-049
DRAWING No.

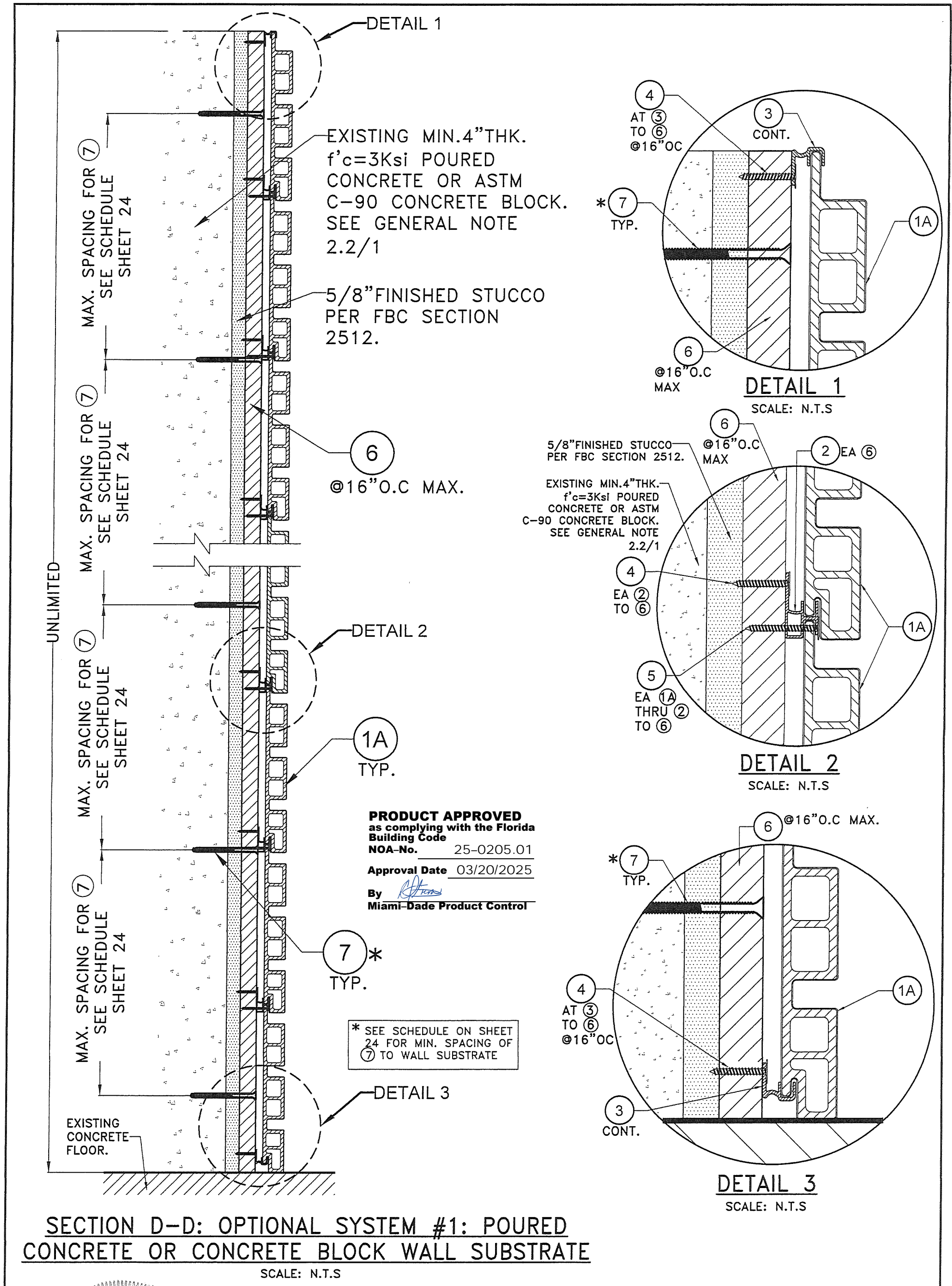
SHEET 10 of 24

REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	D.L. #140 paf	02/28/25	3	-	-
2	-	-	4	-	-



P.E. SEAL/SIGNATURE/DATE

OPTIONAL SYSTEM #1: WOOD FRAME WALLS



WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
2/28/2025
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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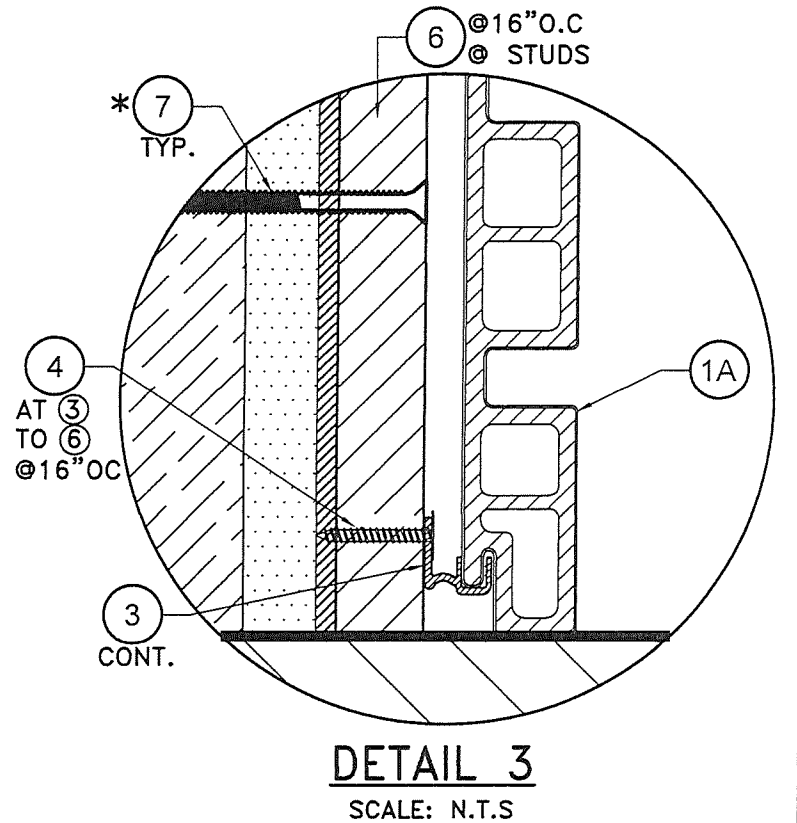
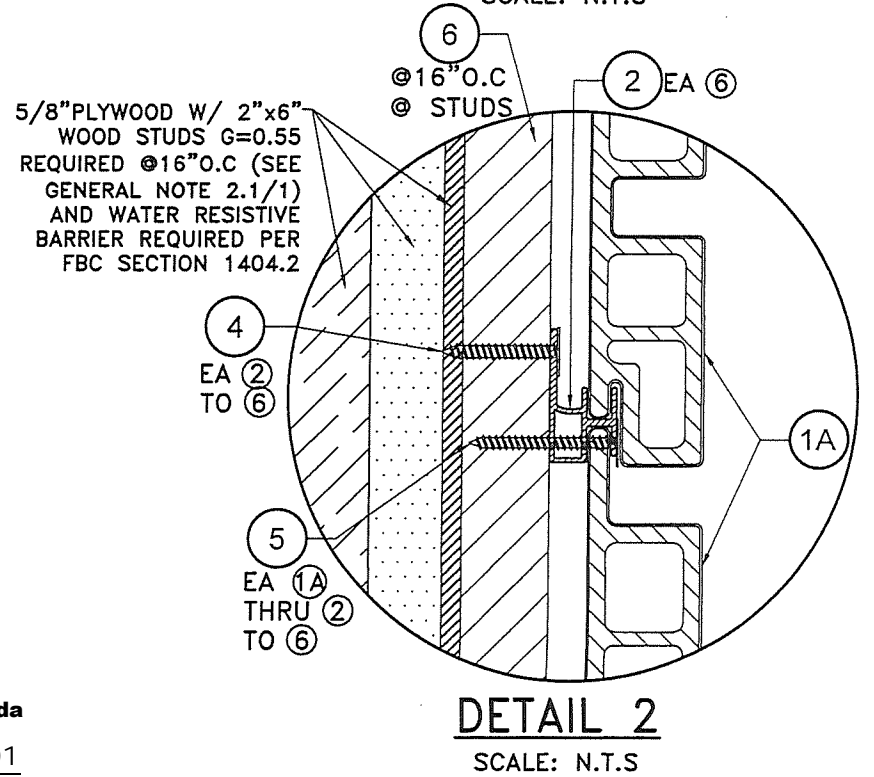
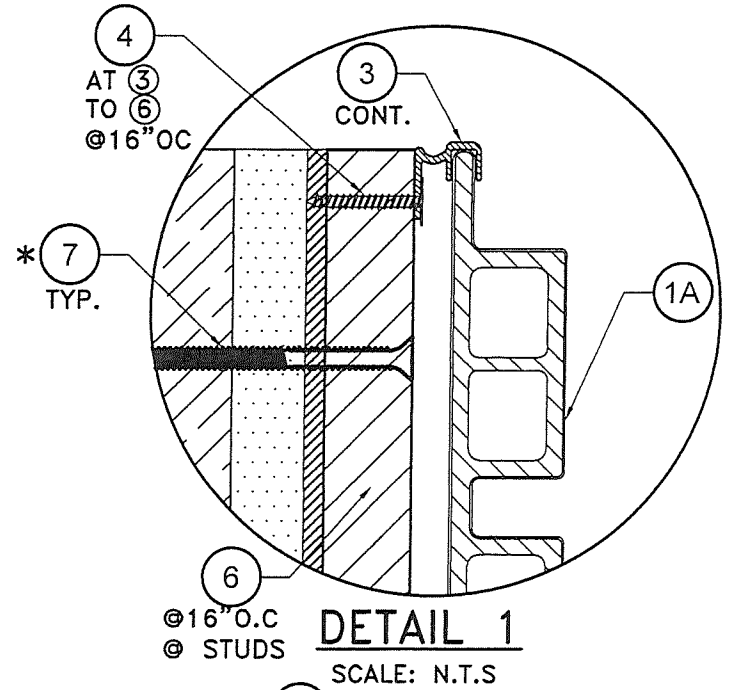
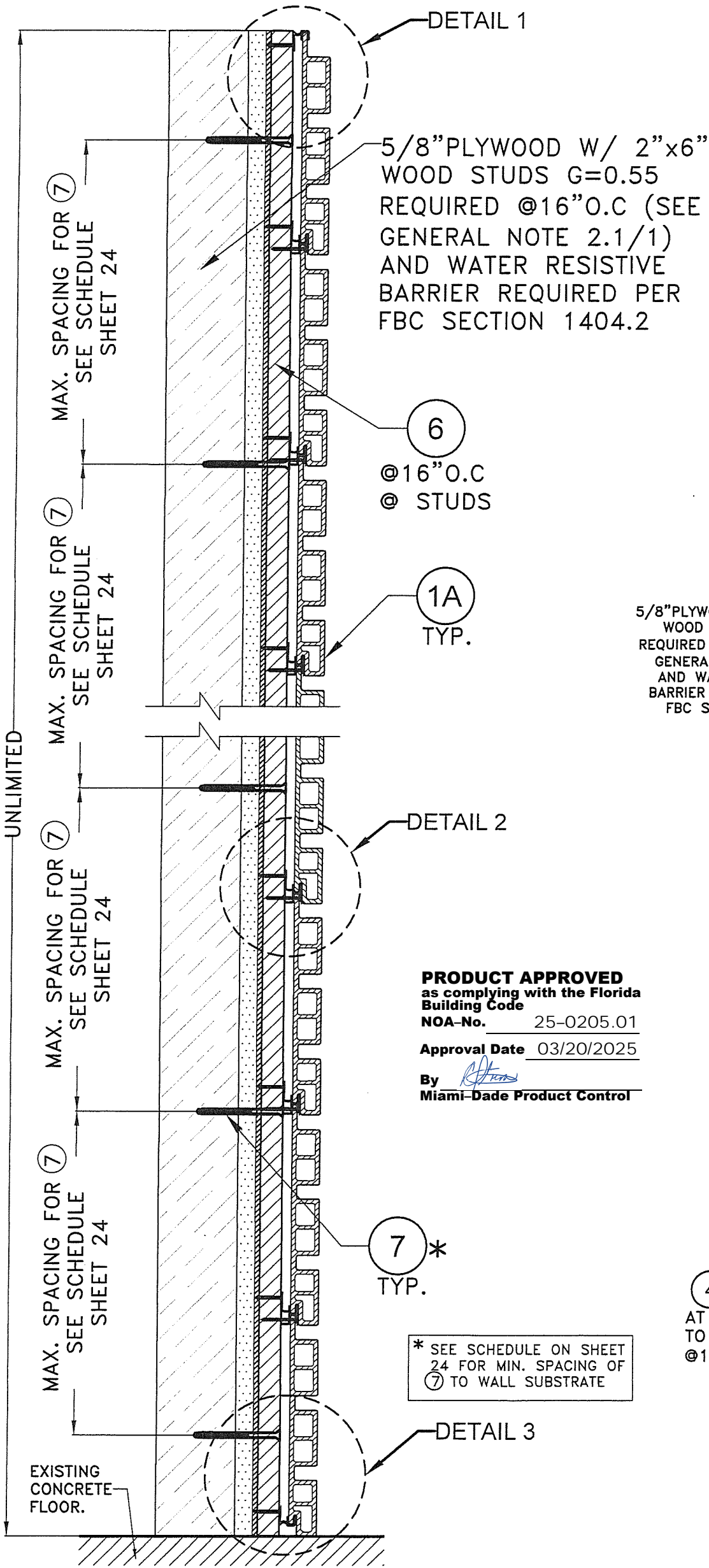
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

NewTechWood
16680 Air Center Blvd,
Houston, TX 77032

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	D.L ±140 psf	02/28/25	3	-	-
2	-	-	4	-	-

W.H
DRAWN BY:
11/20/2024
DATE:
24-049
DRAWING No.
SHEET 11 of 24



SECTION D'-D': OPTIONAL SYSTEM #1: WOOD FRAME WALLS.

SCALE: N.T.S

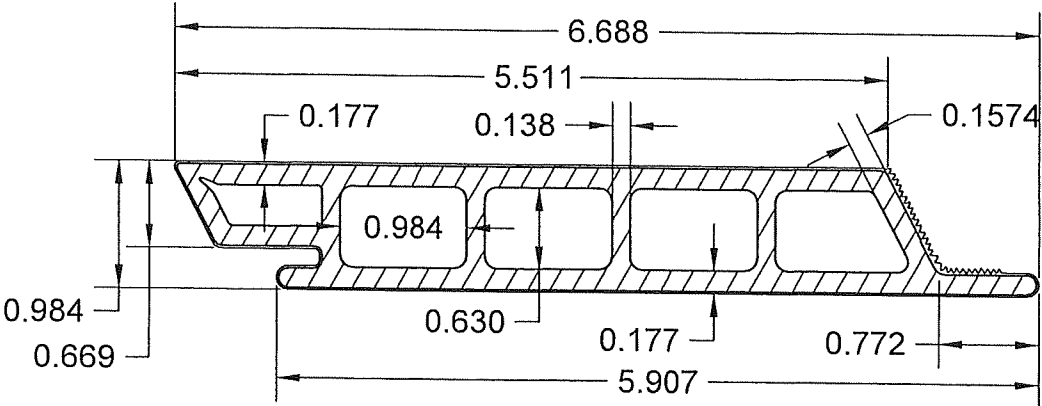
WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/20/2024
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

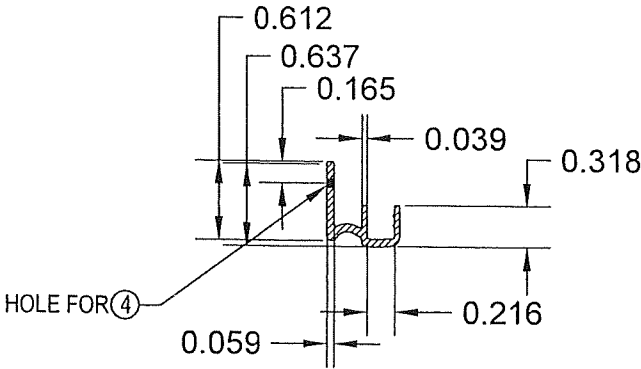
© 2024 TILTECO, INC.		DECORATIVE EUROPEAN WALL CLADDING PANELS UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)		W.H. DRAWN BY:	
				11/20/2024 DATE:	
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167		16680 Air Center Blvd, Houston, TX 77032		24-049	
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	D.L. ±140 pnf	02/28/25	3	-	-
2	-	-	4	-	-
				DRAWING No.	
				SHEET 12 OF 24	

BILL OF MATERIALS: OPTIONAL SYSTEM #2 (W/ WALL PANEL 1B)

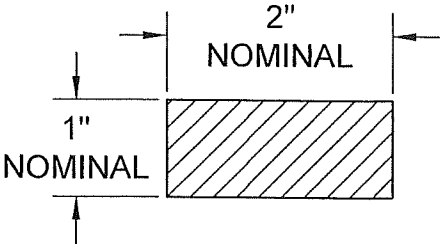
COMPONENT No.	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1B	UH68 6" PANEL.	SEE COMPONENT DETAIL	COMPOSITE PLASTIC WOOD BY NEW TECH WOOD	NEW TECH WOOD	CLADDING PLANK
2	INTERIOR ALUMINUM CLIP	SEE COMPONENT DETAIL	6063-T5 ALUMINUM ALLOY	-	USE AT CONNECTION OF 1B TO 6 W/ 4 & 5
3	END ALUMINUM CLIP	SEE COMPONENT DETAIL	6063-T5 ALUMINUM ALLOY	-	USE AT END CONNECTION OF 1B TO 6 W/ 4
4	FLAT HEAD SCREW	#8 X 1"	AISI 304 STAINLESS STEEL	ITW/BUILDEX	USE (1) AT 2 TO 6 & AT 3 TO 6
5	FLAT HEAD SCREW	#6 X 1-1/4"	AISI 304 STAINLESS STEEL	ITW/BUILDEX	USE (1) AT 1B TO 2 & 6
6	WOOD FURRING	1" X 2" (NOMINAL)	SOUTHERN YELLOW PINE#2 P.T. WOOD G=0.55	-	SUPPORT FOR 1B FIXED TO EXISTING STRUCTURE W/ 7
7	FASTENERS	1/4"Ø FLAT HEAD TAPCONS	AISI 410 STAINLESS STEEL	ITW/BUILDEX	USE TO CONNECT 6 TO CONCRETE, CONCRETE BLOCK OR WOOD STUD WALL.



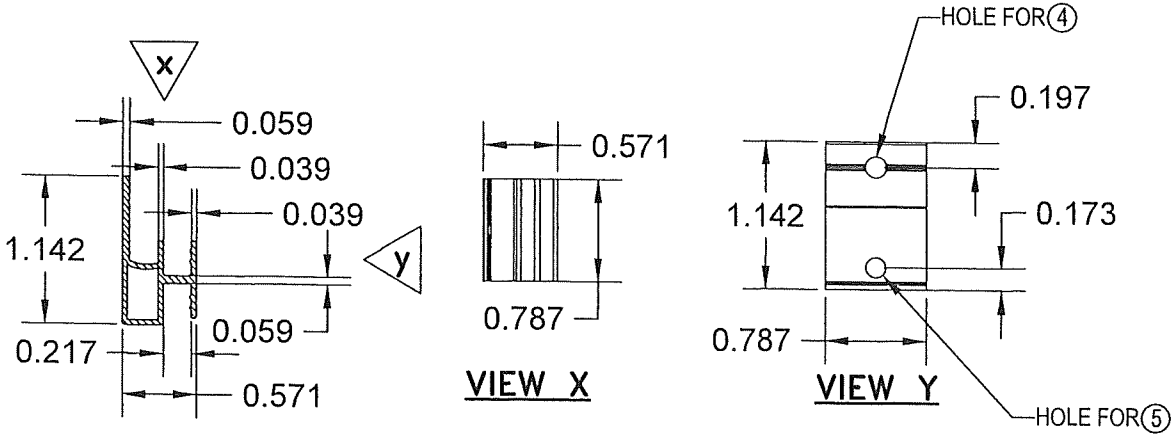
1B UH68 6" PANEL.



3 END ALUMINUM CLIP



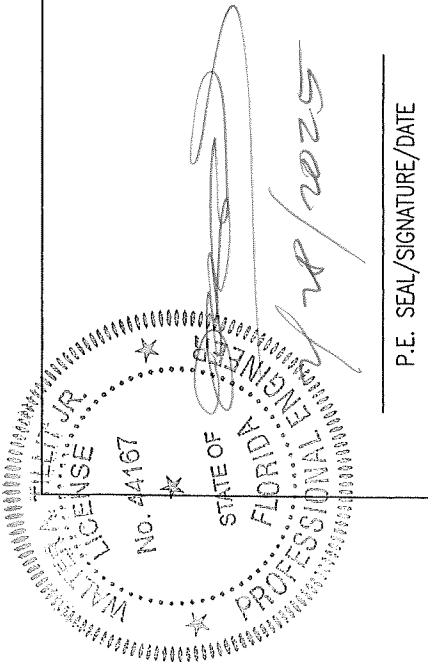
6 WOOD FURRING



2 INTERIOR ALUMINUM CLIP

COMPONENTS
 SCALE: N.T.S

PRODUCT APPROVED
 as complying with the Florida
 Building Code
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 Approval Date 03/20/2025
 By [Signature]
 Miami-Dade Product Control



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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 CA-0006719
 WALTER A. TILLIT JR. P.E.
 FLORIDA Lic. # 44167

DECORATIVE EUROPEAN WALL CLADDING PANELS
 UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

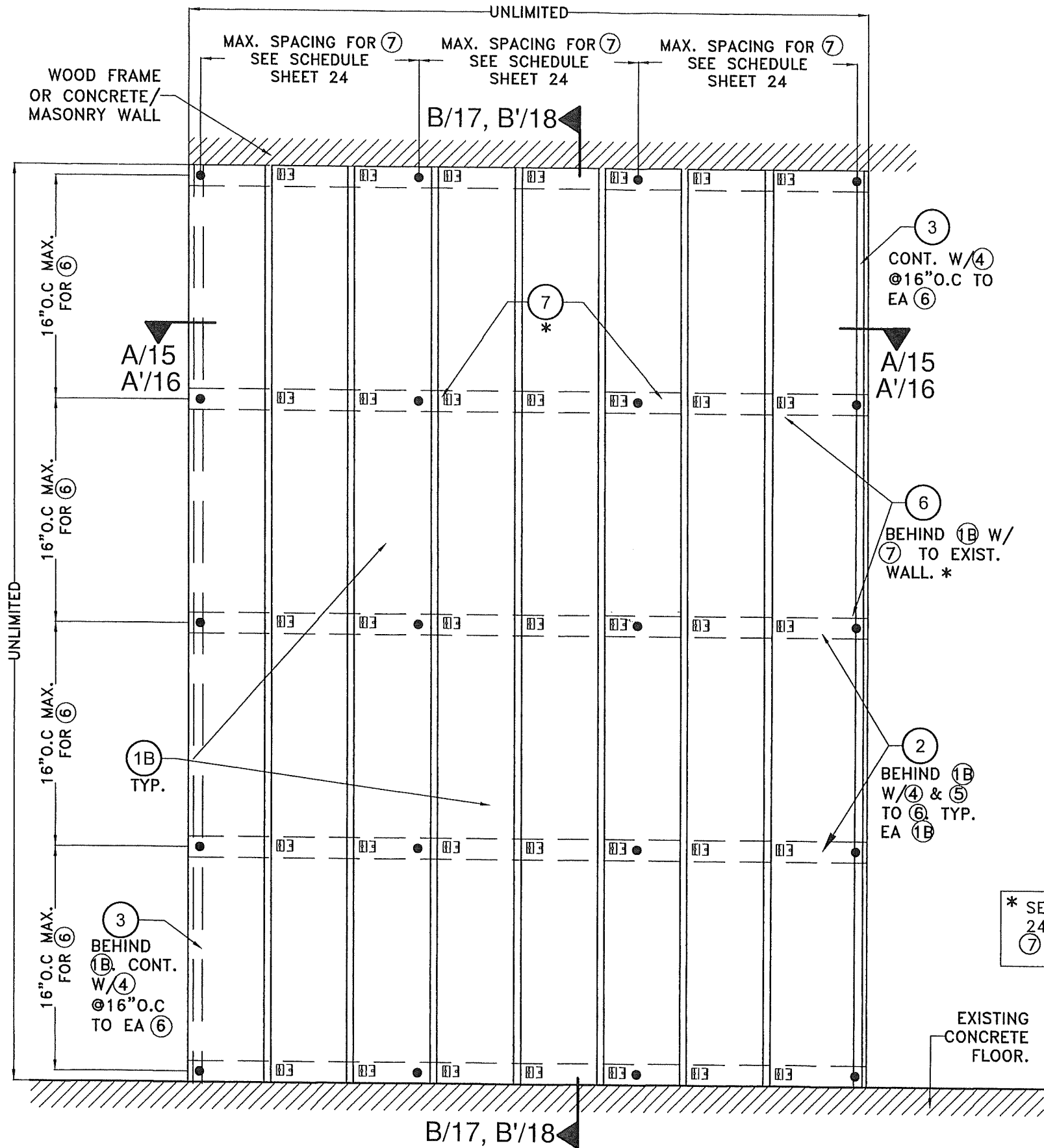
W.H. DRAWN BY:
 11/20/2024
 DATE:

24-049
 DRAWING No.

SHEET 13 of 24

NewTechWood
 16680 Air Center Blvd.
 Houston, TX 77032

REV. NO. DESCRIPTION DATE REV. NO. DATE
 1 D.L. #140 p#1 02/28/25 3 - -
 2 - - - -



TYPICAL EXTERIOR ELEVATION W/ (1B) (VERTICALLY ORIENTED)
OPTIONAL SYSTEM #2: INSTALLATION INTO WOOD FRAME OR CONCRETE/MASONRY WALLS.
SCALE: N.T.S

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0205.01
Approval Date 03/20/2025
By *[Signature]*
Miami-Dade Product Control

* SEE SCHEDULE ON SHEET
24 FOR MIN. SPACING OF
(7) TO WALL SUBSTRATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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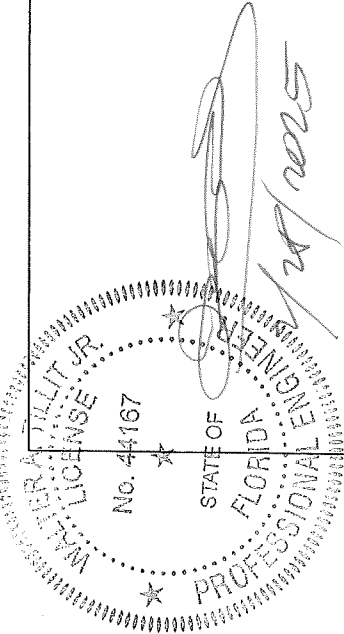
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
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CA-0006719
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FLORIDA Lic. # 44167

DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

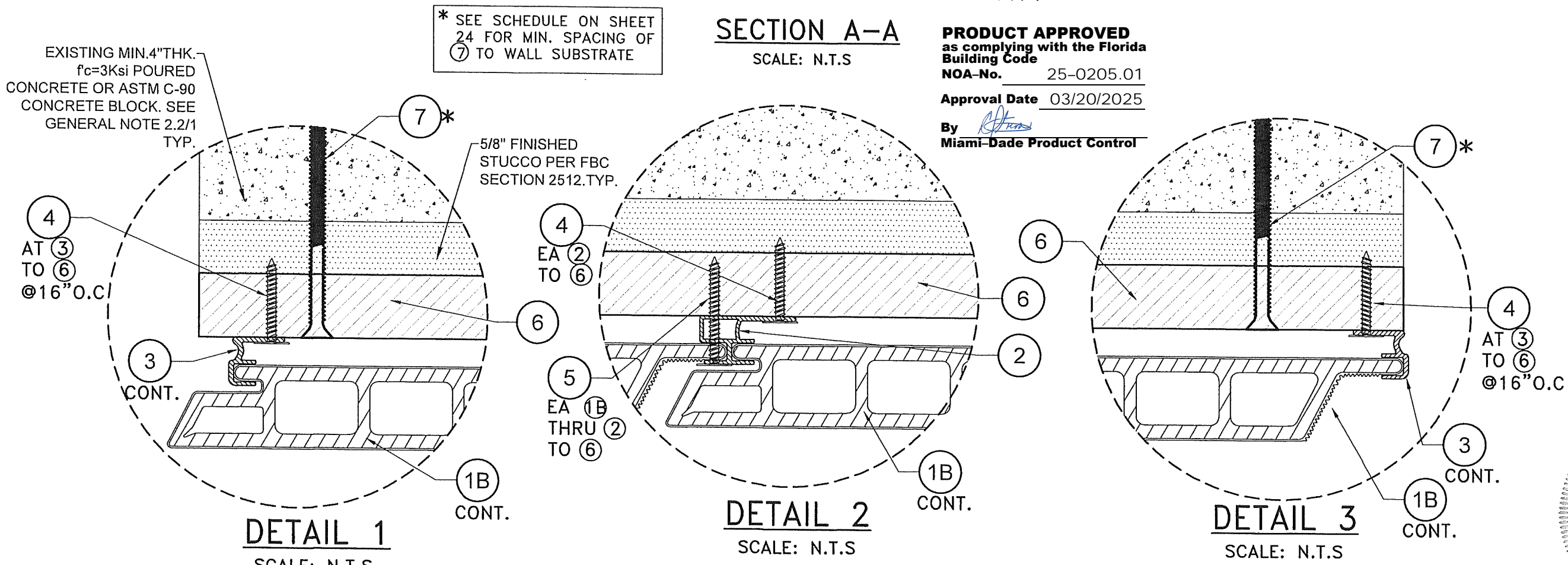
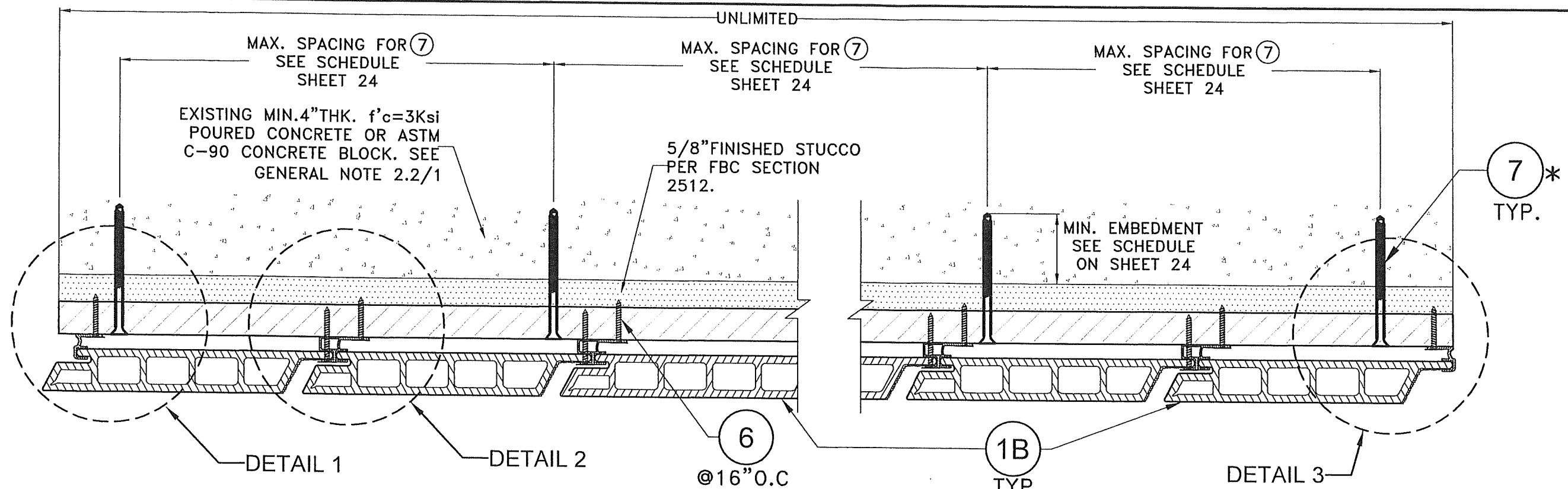


NewTechWood
16680 Air Center Blvd.,
Houston, TX 77032

W.H. DRAWN BY:
11/20/2024 DATE:
24-049 DRAWING No.
SHEET 14 of 24



P.E. SEAL/SIGNATURE/DATE



**OPTIONAL SYSTEM #2: POURED CONCRETE OR
CONCRETE BLOCK WALL SUBSTRATE**

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY:

11/20/2024 DATE:

24-049 DRAWING No.

SHEET 15 of 24

DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

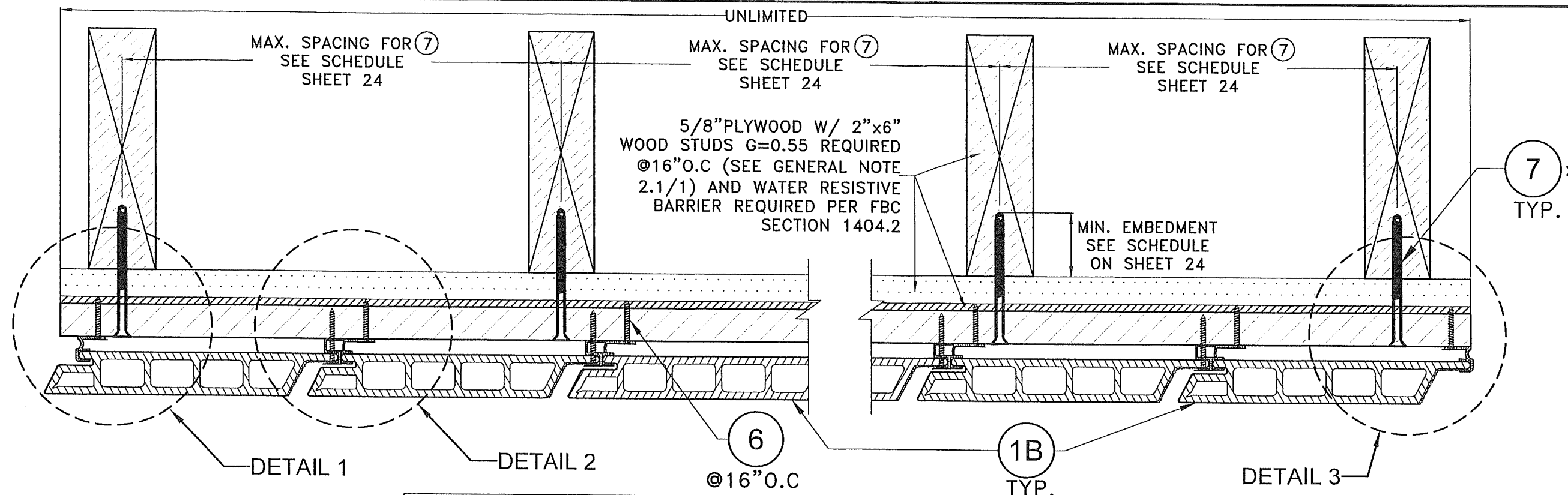
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2			4		

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CA-0006719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

WALTER A. TILLIT JR.
P.E. LICENSE
No. 44167

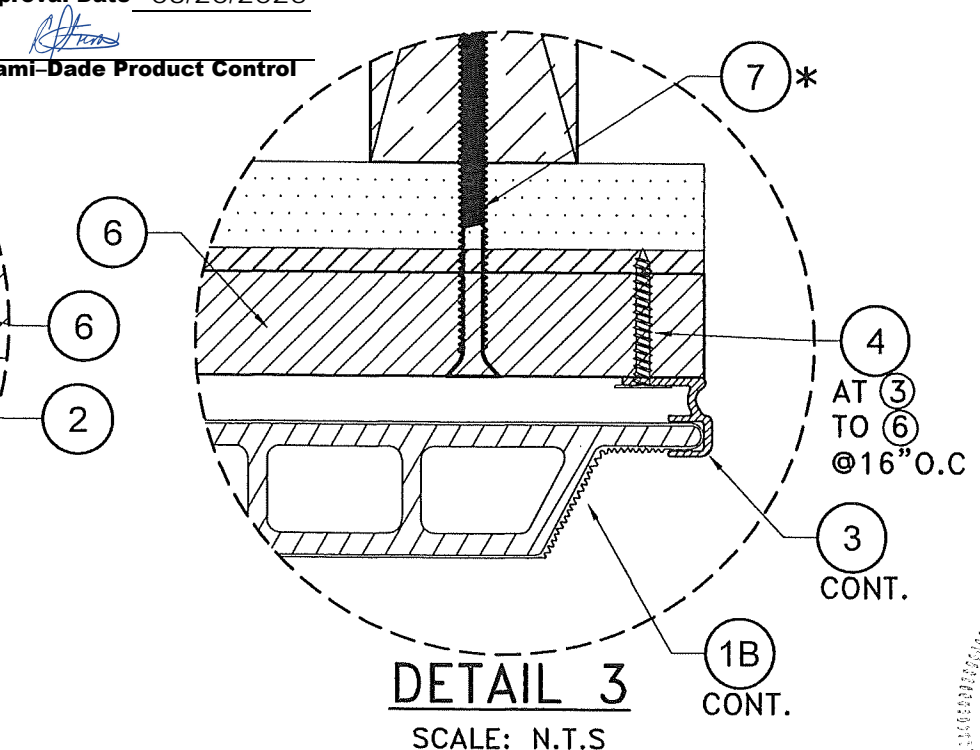
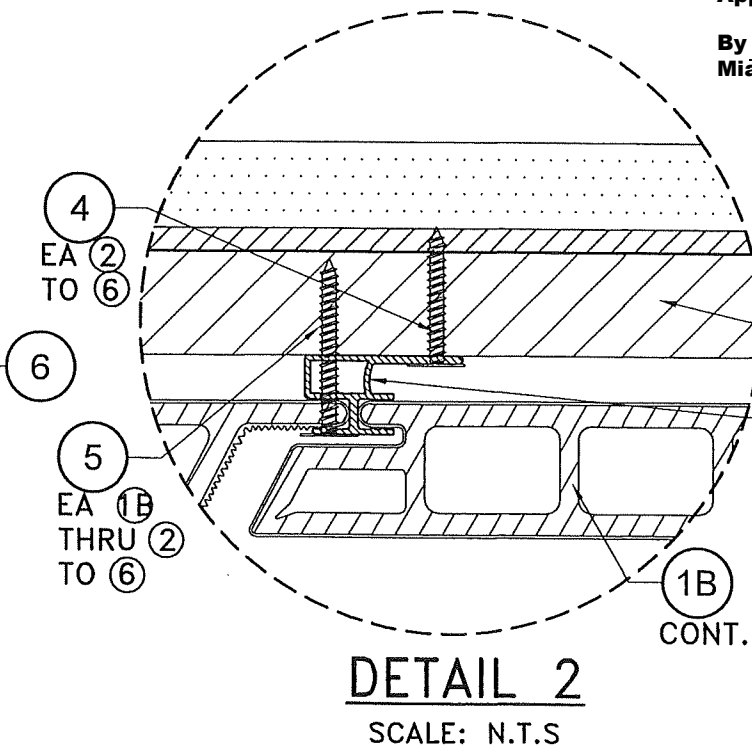
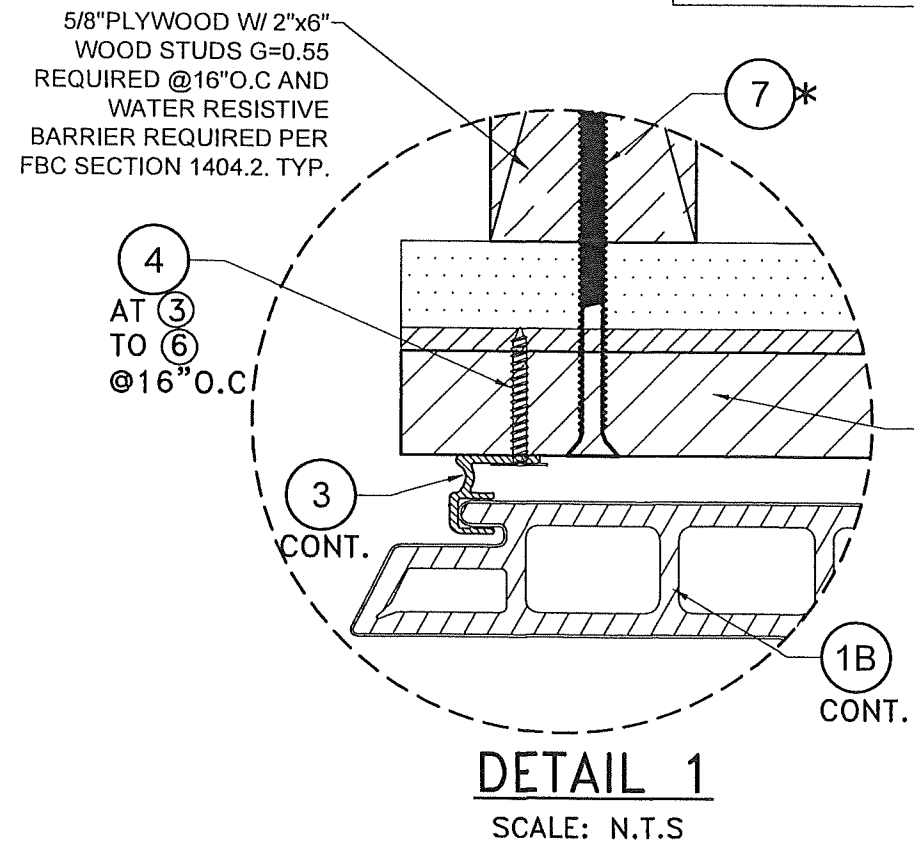
P.E. SEAL/SIGNATURE/DATE



* SEE SCHEDULE ON SHEET 24 FOR MIN. SPACING OF 7 TO WALL SUBSTRATE

SECTION A'-A'
SCALE: N.T.S

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0205.01
Approval Date 03/20/2025
By *[Signature]*
Miami-Dade Product Control



OPTIONAL SYSTEM #2: WOOD FRAME WALLS

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY:

11/20/2024 DATE:

24-049 DRAWING No.

SHEET 16 OF 24

NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

REV. NO. DESCRIPTION DATE REV. NO. DATE

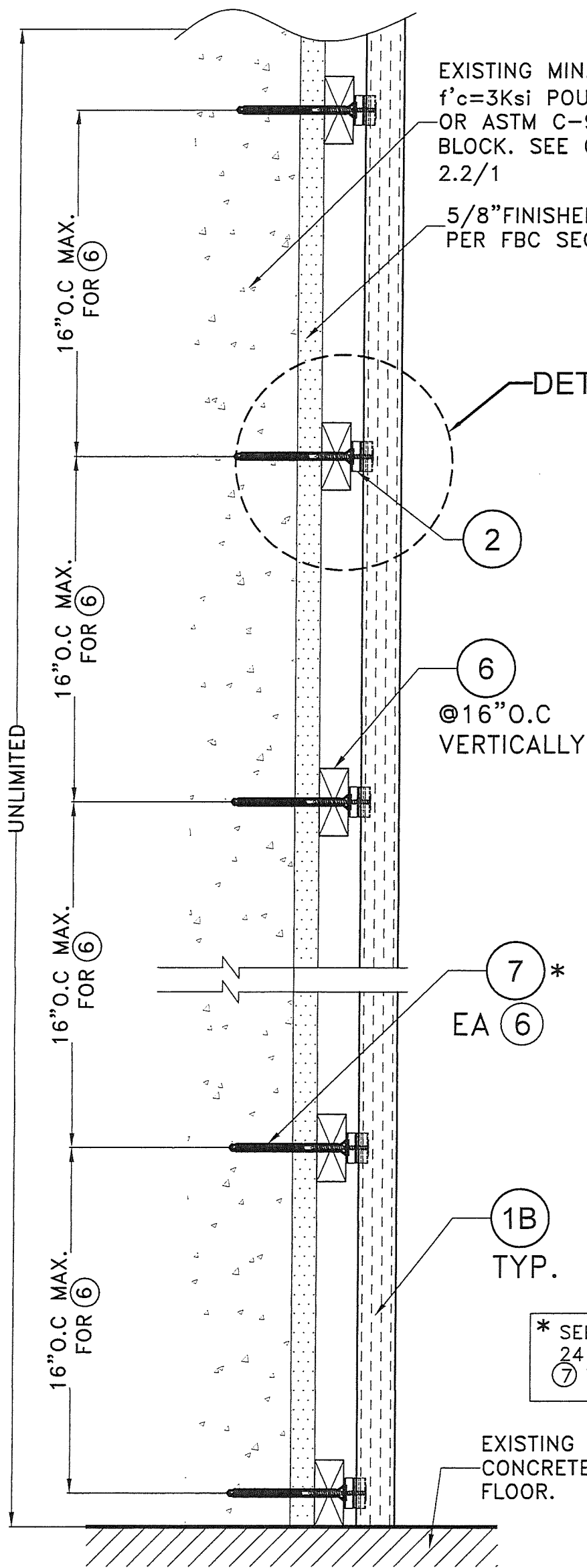
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2	-	-	-	-	-

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TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1550 . Fax : (305)871-1551
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

P.E. SEAL/SIGNATURE/DATE

[Signature] 03/28/2025



EXISTING MIN. 4" THK.
 $f'_c = 3\text{Ksi}$ POURED CONCRETE
OR ASTM C-90 CONCRETE
BLOCK. SEE GENERAL NOTE
2.2/1

5/8" FINISHED STUCCO
PER FBC SECTION 2512.

DETAIL 1

⑥
@16" O.C
VERTICALLY

* ⑦
EA ⑥

①B
TYP.

* SEE SCHEDULE ON SHEET
24 FOR MIN. SPACING OF
⑦ TO WALL SUBSTRATE

EXISTING
CONCRETE
FLOOR.

EXISTING MIN. 4" THK.
 $f'_c = 3\text{Ksi}$ POURED
CONCRETE OR ASTM C-90
CONCRETE BLOCK. SEE
GENERAL NOTE 2.2/1

5/8" FINISHED
STUCCO PER FBC
SECTION 2512.

⑥
@16" O.C
VERTICALLY

⑤
AT ①B
THRU ②
TO ⑥

②
①B
CONT.

DETAIL 1
SCALE: N.T.S

SECTION B-B: OPTIONAL SYSTEM #2: POURED CONCRETE OR CONC. BLOCK WALL.

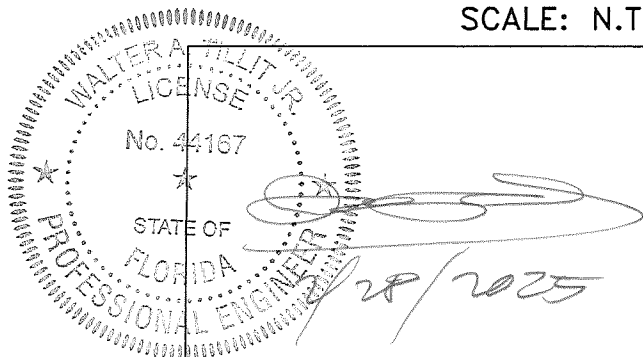
SCALE: N.T.S

PRODUCT APPROVED
as complying with the Florida
Building Code

NOA-No. 25-0205.01

Approval Date 03/20/2025

By 
Miami-Dade Product Control



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FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)



NewTechWood
16680 Air Center Blvd,
Houston, TX 77032

W.H
DRAWN BY:

11/20/2024
DATE:

24-049

DRAWING No.

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	D.L. ±140 psf	02/28/25	3	-	-
2	-	-	4	-	-

SHEET 17 OF 24

REQUIRED @16" O.C.
GENERAL NOTE 2.1/
WATER RESISTIVE BA
REQUIRED PER FBC S
1404.2

DETAIL 1

2

6
@16" O.C
VERTICALLY

7 *
EA 6 TO
STUD

1B
TYP.

* SEE SCHEDULE
24 FOR MIN. S
7 TO WALL SU

EXISTING
CONCRETE
FLOOR.

UNLIMITED

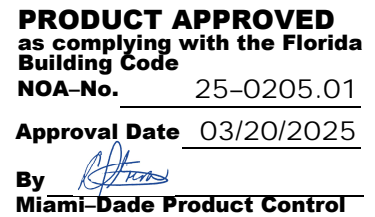
16" O.C MAX.
FOR 6

16" O.C MAX.
FOR 6

16" O.C MAX.
FOR 6

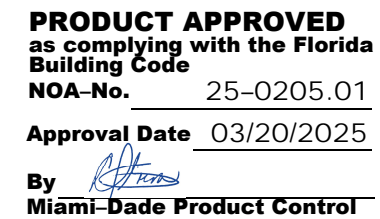
16" O.C MAX.
FOR 6

SCALE: N.T.S

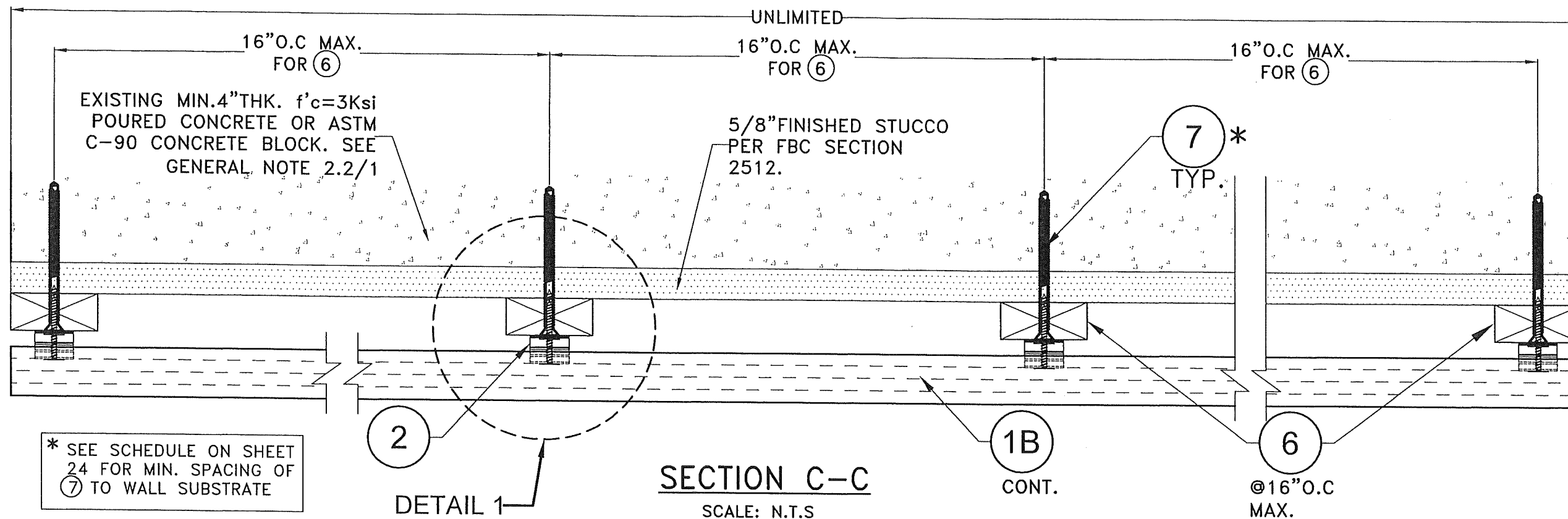


REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	D.L ± 140 psf	02/28/25	3	-	-
2	-	-	4	-	-

P.E. SEAL/SIGNATURE/DATE



TYPICAL EXTERIOR ELEVATION W/ (1B) (HORIZONTALLY ORIENTED)
OPTIONAL SYSTEM #2: INSTALLATION INTO WOOD FRAME OR CONCRETE/MASONRY WALLS.
 SCALE: N.T.S



OPTIONAL SYSTEM #2: POURED CONCRETE OR CONCRETE BLOCK WALL SUBSTRATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

TILLIT TESTING & ENGINEERING COMPANY
3355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531

CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

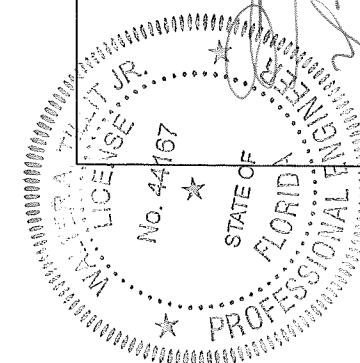
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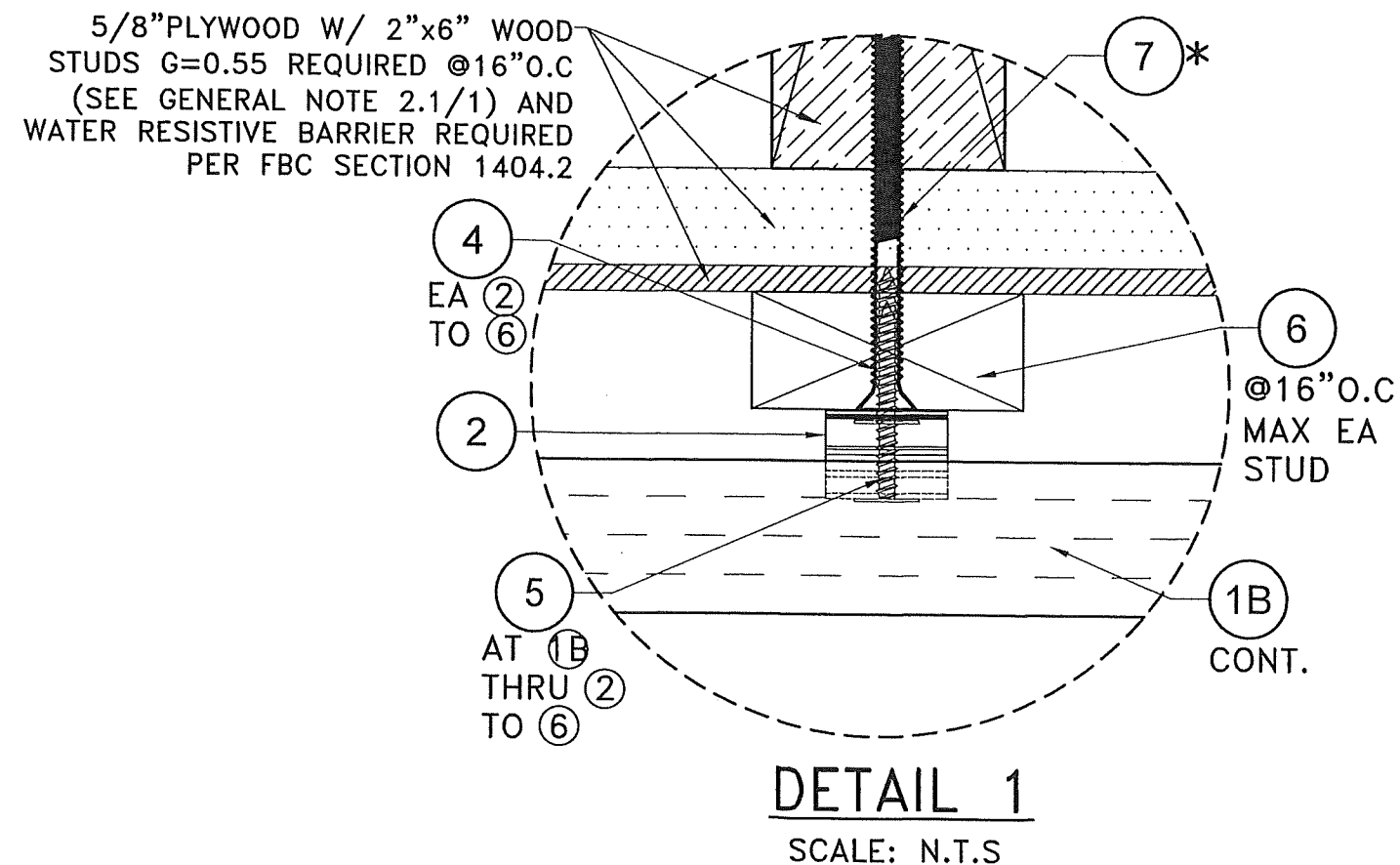
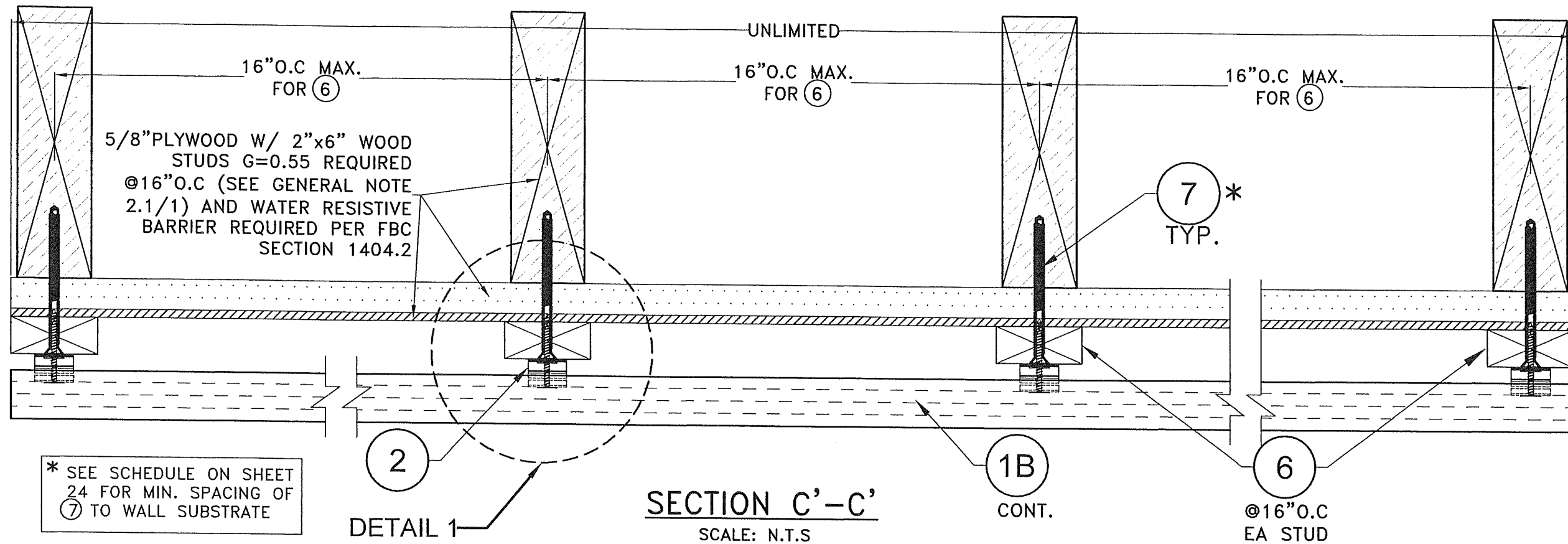
DATE: 11/20/2024

24-049
DRAWING No.

SHEET 20 OF 24

P.E. SEAL/SIGNATURE/DATE





PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0205.01
Approval Date 03/20/2025
By *[Signature]*
Miami-Dade Product Control

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

W.H. DRAWN BY: 11/20/2024 DATE: 24-049 DRAWING No. SHEET 21 of 24

NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

REV. NO.	DESCRIPTION	DATE	REV. No.	DESCRIPTION	DATE
1	D.L. ±140 pft	02/25/25	3	-	-
2	-	-	4	-	-

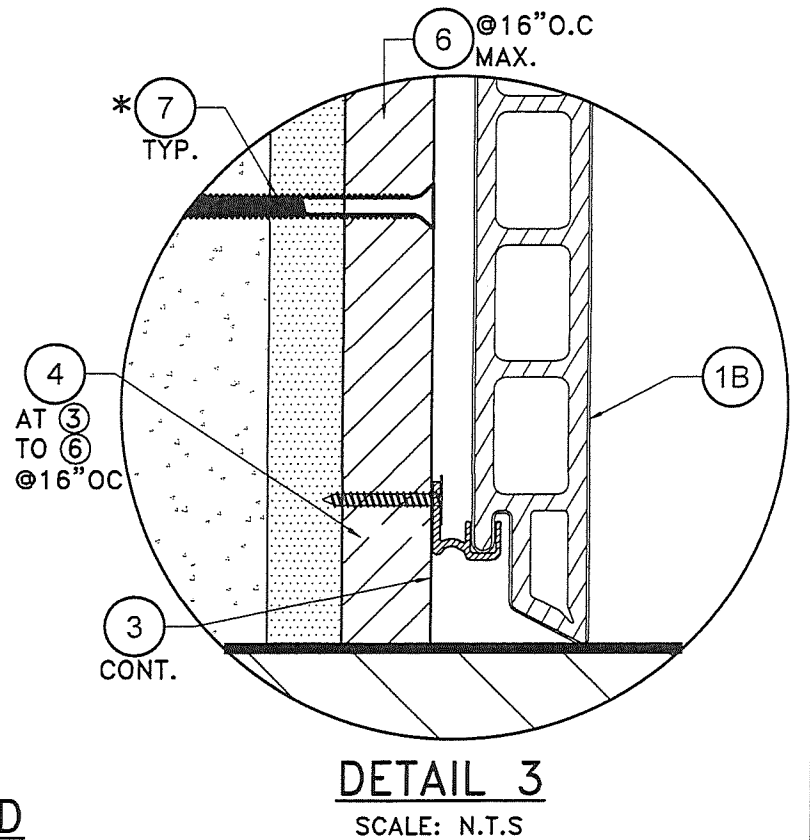
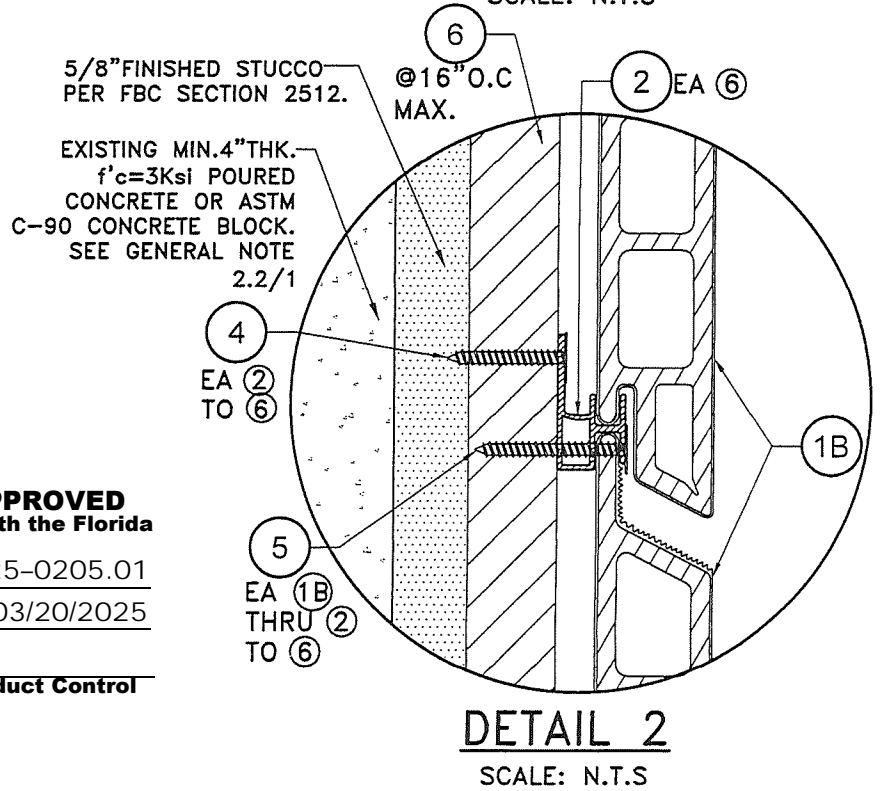
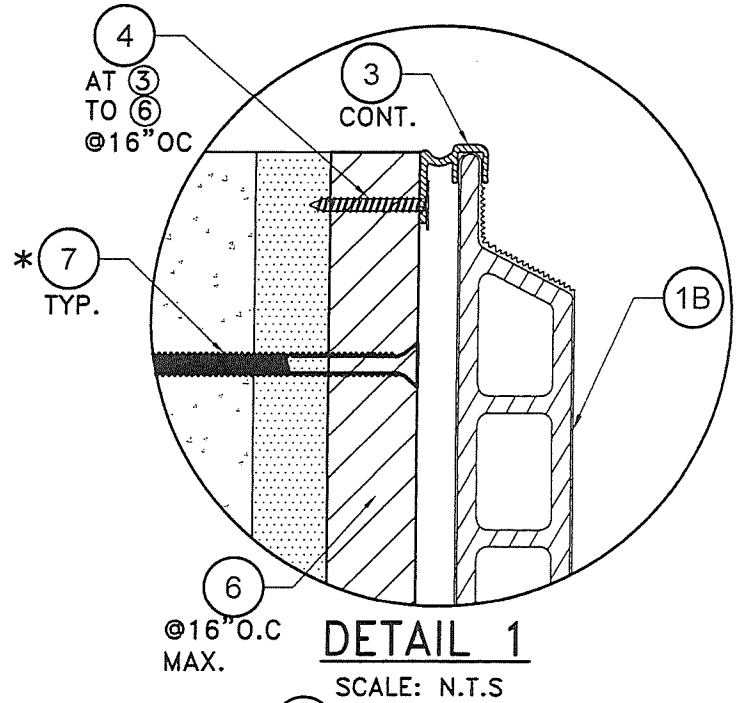
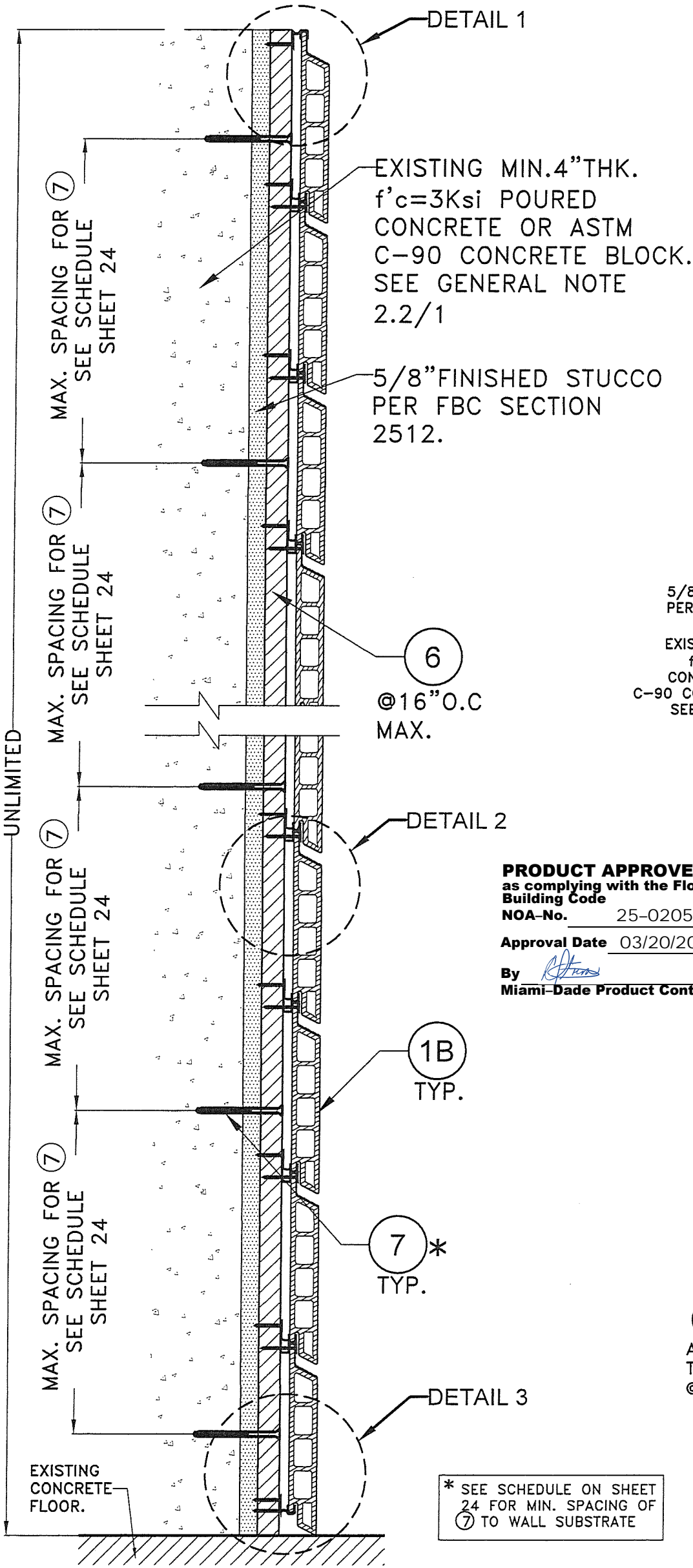
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

[Signature] 03/20/2025

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LICENSE No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER

OPTIONAL SYSTEM #2: WOOD FRAME WALLS



SECTION D-D: OPTIONAL SYSTEM #2: POURED CONCRETE OR CONCRETE BLOCK WALL SUBSTRATE

SCALE: N.T.S

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0205.01
Approval Date 03/20/2025
By *[Signature]*
Miami-Dade Product Control

* SEE SCHEDULE ON SHEET 24 FOR MIN. SPACING OF 7 TO WALL SUBSTRATE

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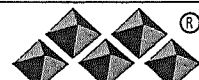
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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CA-0006719
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FLORIDA Lic. # 44167

DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)



NewTechWood
16680 Air Center Blvd,
Houston, TX 77032

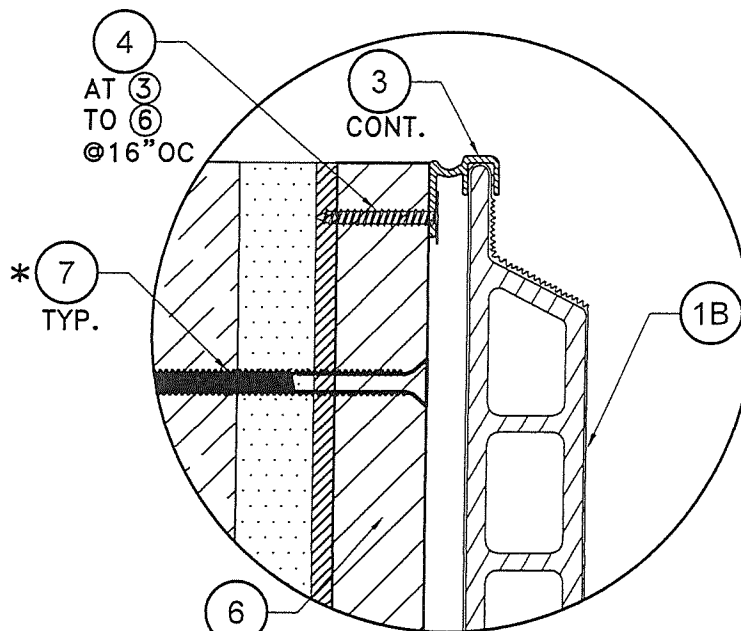
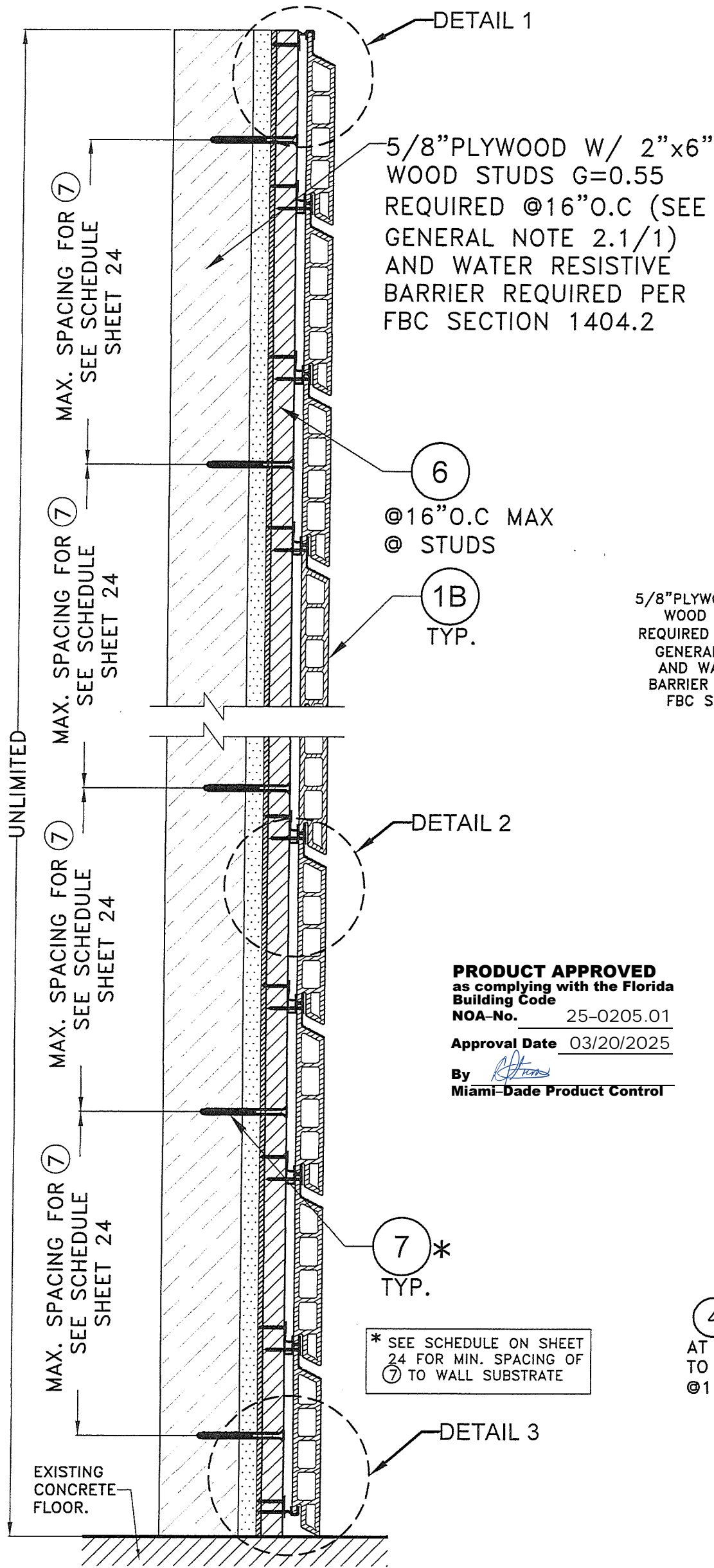
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2	-	-	4	-	-

W.H
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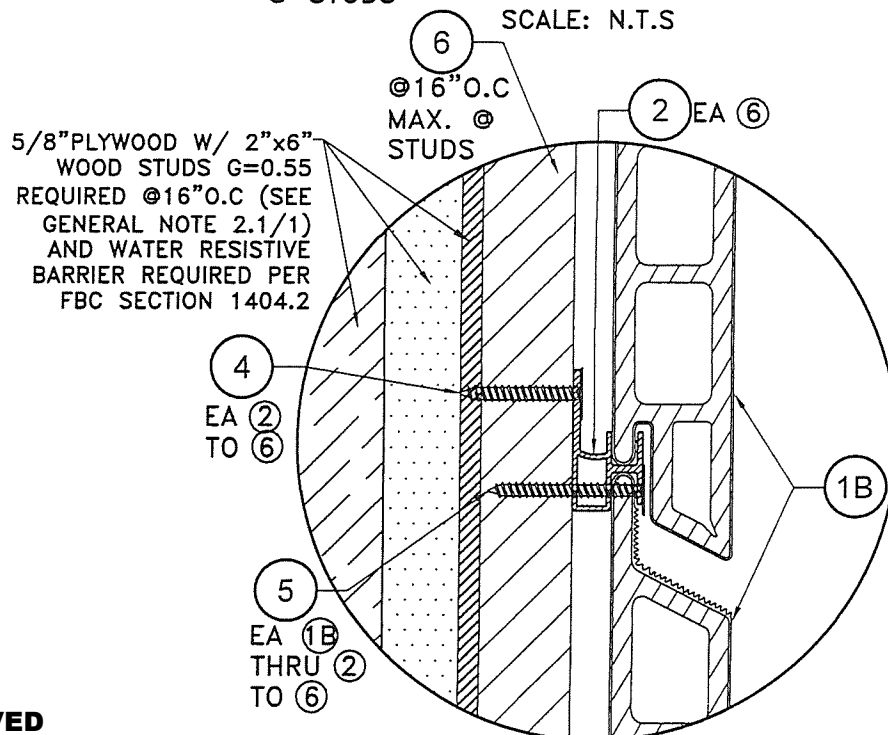
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24-049
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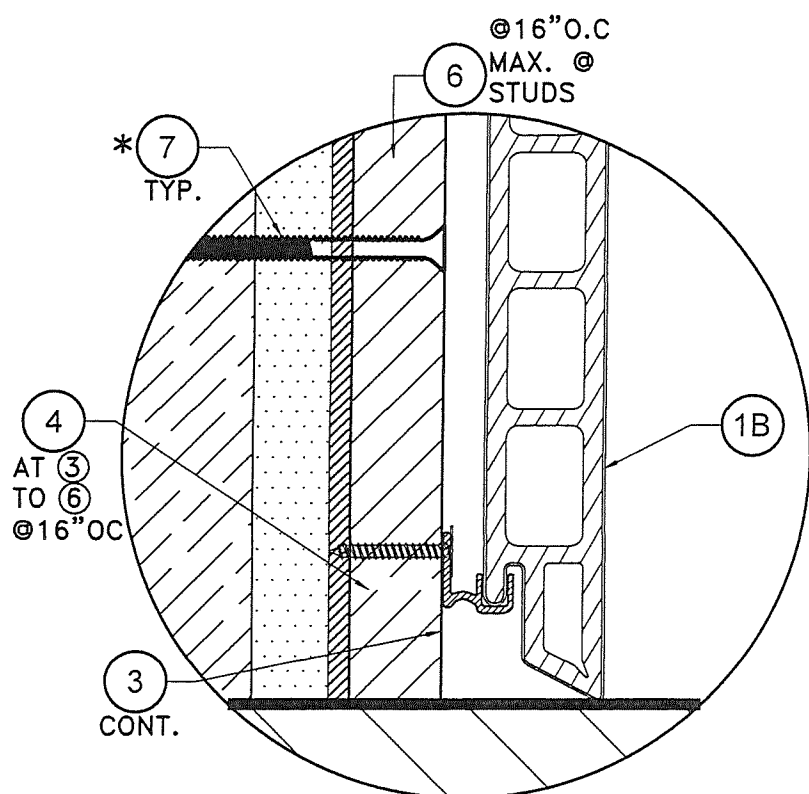
SHEET 22 OF 24



DETAIL 1
SCALE: N.T.S.



DETAIL 2
SCALE: N.T.S.



DETAIL 3
SCALE: N.T.S.

**SECTION D'-D': OPTIONAL
SYSTEM #2: WOOD FRAME WALLS.**

SCALE: N.T.S

PRODUCT APPROVED
as complying with the Florida
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NOA-No. 25-0205.01
Approval Date 03/20/2025
By *[Signature]*
Miami-Dade Product Control

* SEE SCHEDULE ON SHEET
24 FOR MIN. SPACING OF
7 TO WALL SUBSTRATE

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PROFESSIONAL ENGINEER
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DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)



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11/20/2024
DATE:

24-049

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REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	D.L ±140 pcf	02/28/25	3	-	-
2	-	-	4	-	-

SHEET 23 of 24

ANCHOR SCHEDULE
ANCHORING OF COMPONENT ⑥ W/ ⑦

MAX. DESIGN PRESSURE RATING (psf)	ANCHOR TYPE	SUBSTRATE AT WALL						MAX. SUBSTRATE @ WALL					
		CONCRETE MIN. f'c=3000 psi AT 28 DAYS			CONCRETE BLOCK WALL ASTM C-90			WOOD* (VERTICAL WOOD FURRING ⑥) MIN. G = 0.55			WOOD** (HORIZONTAL WOOD FURRING ⑥) MIN. G = 0.55		
		MIN. E.D.	MIN. EMB.	MAX. SPC.	MIN. E.D.	MIN. EMB.	MAX. SPC.	MIN. E.D.	MIN. EMB.	MAX. SPC.	MIN. E.D.	MIN. EMB.	MAX. SPC.
+140,-140	⑦	1"	1 3/4"	12" O.C.	2"	1 1/4"	6" O.C.	3/4"	1"	12" O.C.	3/4"	1"	16" O.C.


NOTE: MIN. E.D. & EMBEDMENT ARE BEYOND ANY FINISH MATERIAL AT EXISTING WALL (SEE NOTE 2/1)

* VALID ONLY FOR VERTICALLY INSTALLED WOOD FURRING ⑥

- MUST COINCIDE WITH LOCATION OF EXISTING VERTICAL 2X WOOD STUDS SPACED @ 16" O.C @ EXISTING WALL. (SEE GENERAL NOTE 2 ON SHEET 1)
- MAX. 12" O.C INDICATED SPACING IS VERTICAL SPACING ALONG EXISTING STUD'S HEIGHT.
- MIN. 1" EMBEDMENT IS AT EXISTING VERTICAL 2X WOOD STUD BEYOND ANY EXISTING SHEATHING OR WALL FINISH.
- WOOD FRAME WALL MUST COMPLY WITH SECTIONS 1626.4.2, 1404.2 OF THE FLORIDA BUILDING CODE. (SEE GENERAL NOTE 2 ON SHEET 1)
- FASTENER ⑦ MUST BE INSTALLED AT MIDWIDTH OF EXISTING VERTICAL 2X STUD. (3/4" E.D)


** VALID ONLY FOR HORIZONTALLY INSTALLED WOOD FURRING ⑥

- MUST BE ANCHORED AT EXISTING VERTICAL 2X WOOD STUDS SPACED @16"O.C @ EXISTING WALL. (SEE GENERAL NOTE 2 ON SHEET 1)
- MIN. 1" EMBEDMENT IS AT EXISTING VERTICAL 2X WOOD STUD BEYOND ANY EXITING SHEATHING OR WALL FINISH.
- WOOD FRAME WALL MUST COMPLY WITH SECTIONS 1626.4.2, 1404.2 OF THE FLORIDA BUILDING CODE. (SEE GENERAL NOTE 2 ON SHEET 1)
- FASTENER ⑦ MUST BE INSTALLED AT MIDWIDTH OF EXISTING VERTICAL 2X STUD. (3/4" E.D)

PRODUCT APPROVED
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FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)



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11/20/2024
DATE:

24-049
DRAWING No.

SHEET 24 of 24

REV. NO

DESCRIPTION

DATE

REV. NO

DESCRIPTION

DATE

1

D.L. ±140 psf

02/26/25

3

-

-

2

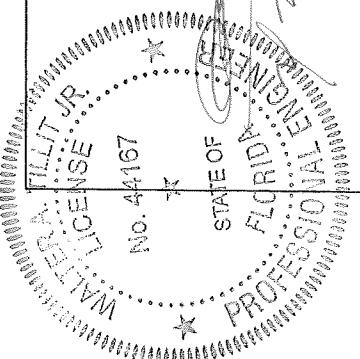
-

-


4

-

-



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