



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)

**Chameleon Wrapping & Lamination Ltd. dba ChamClad**  
10235 184 St. NW  
Edmonton, Alberta, Canada T5S2J4

**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: ChamClad 6" PVC Siding Systems**

**APPROVAL DOCUMENT:** Drawing No. **22-063**, titled "CWS 6" Decorative Exterior Wall Panels", sheets 1 through 26 of 26 (including 5A, 6A, 8A, 9A, 13A, 14A, 16A, & 17A), dated 10/31/2023, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E. on 02/06/2024, 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 approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



03/14/24

NOA No. 23-1215.02  
Expiration Date: March 21, 2029  
Approval Date: March 21, 2024

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **22-063**, titled “CWS 6” Decorative Exterior Wall Panels”, sheets 1 through 26 of 26 (including 5A, 6A, 8A, 9A, 13A, 14A, 16A, & 17A), dated 10/31/2023, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E. on 02/06/2024.

**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 ChamClad 6” V-Groove PVC Siding Systems, prepared by Element Materials Technology, Test Report No. **ESP039708P**, dated 10/07/2023, signed and sealed by Jason R. Steen, P.E.

	<b><u>Test Report No.</u></b>	<b><u>Standard</u></b>	<b><u>Date</u></b>	<b><u>Signature</u></b>
2.	23-06-P0002	ASTM G155-21	12/06/23	Jason R. Steen, P.E.
3.	23-06-P0002	ASTM D638-22	12/06/23	Jason R. Steen, P.E.
4.	23-06-P0002	ASTM D1929-20	12/06/23	Jason R. Steen, P.E.
5.	23-06-P0002	ASTM D2843-22	12/06/23	Jason R. Steen, P.E.
6.	23-06-P0002	ASTM D635-22	12/06/23	Jason R. Steen, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations prepared by Tilteco, Inc., dated 11/22/2023, 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. None.

**F. STATEMENTS**

1. Statement letter of code conformance to the 8<sup>th</sup> edition (2023) of the FBC, issued by Tilteco, Inc., dated 11/24/2023, signed and sealed by Walter A. Tillit, Jr., P.E.
2. Statement letter of no financial interest, issued by Tilteco, Inc., dated 11/22/2023, signed and sealed by Walter A. Tillit, Jr., P.E.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 23-1215.02**  
**Expiration Date: March 21, 2029**  
**Approval Date: March 21, 2024**

**GENERAL NOTES:**

1. CWS 6" WALL PANEL SYSTEM #1 (WITH PANEL (A) ) & SYSTEM #2 (WITH PANEL (B) ) SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.), HAVE 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.

PRODUCT'S ADEQUACY FOR WIND AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTIONS 1626 & 1609.1.2 OF THE ABOVE MENTIONED CODE AS PER ELEMENTS LAB. REPORT #ESP039708P PER TAS 202 & 203 PROTOCOLS, AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1616 OF THE FLORIDA BUILDING CODE. SEE NOTE 10 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 18 FOR ADDED LIMITATIONS & CONDITIONS FOR WOOD FRAME WALLS.

3. **MAXIMUM A.S.D. DESIGN WIND PRESSURE RATING FOR THIS PRODUCT SHALL BE AS PER SCHEDULE #2 ON SHEET 18.**

\* PROFILES TO BE CONTINUOUS MIN. OVER 3 SPANS.

4. COMPONENTS FOR THIS PRODUCT SHALL BE AS INDICATED ON SHEETS 2 AND 10 OF THIS DRAWING.

5. SUBSTRUCTURE (FURRING) COMPONENTS # (7A) & (7B) PROVIDING SUPPORT TO PRODUCT MUST BE PROPERLY ANCHORED TO TRANSFER LOADS TO THE EXISTING STRUCTURAL SYSTEM (WALL) AT SPACINGS INDICATED ON SCHEDULE #1 ON SHEET 18 FOR EACH WALL SUBSTRATE. SUBSTRUCTURE (FURRING) COMPONENTS (7A) & (7B) MUST BE AS INDICATED ON BILL OF MATERIALS ON SHEETS 2 & 10, INSTALLED AT SPACING ON CENTER (MAX), USING SCHEDULE #2 ON SHEET 18. SEE DETAILS ON SHEETS 3 THRU 9 FOR SYSTEM #1 AND SHEETS 11 THRU 17 FOR SYSTEM #2.

6. EXTERIOR SIDING WALL PANELS ARE MADE OF COMPOSITE 100% RECYCLED PVC MATERIAL, LAMINATED WITH AN EXTERIOR FILM AS INDICATED ON BILL OF MATERIALS ON SHEET 2.

7. 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.

8. (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 ON 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 BECOME THE PROFESSIONAL OF RECORD (P.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. PROFESSIONAL OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.A.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWING FOR REVIEW.

(e) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.

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.

10. ADDITIONAL TESTING PERFORMED ON PANELS (A) & (B) (SHEETS 3 & 11):

QUALIFICATION	TEST METHOD	TEST RESULT	REPORT #
MODULUS OF ELASTICITY	ASTM D638 (AFTER WEATHERING)	434,389 psi (AVERAGE)	23-06-P0002
WEATHERING	ASTM G-155 & ASTM D638	10% CHANGE AT MAX. LOAD	23-06-P0002
TENSILE STRESS AT BREAK	ASTM D638	4496 psi	23-06-P0002
IGNITION TEMPERATURE	ASTM D1929	887°F	23-06-P0002
RATE OF BURNING	ASTM D635	HB, CC1	23-06-P0002
SMOKE DENSITY	ASTM D2843	48<75	23-06-P0002
COEFFICIENT OF THERMAL EXPANSION	ASTM D3679	5.9x10 <sup>-5</sup> °C <sup>-1</sup>	20-06-P0051-FINAL

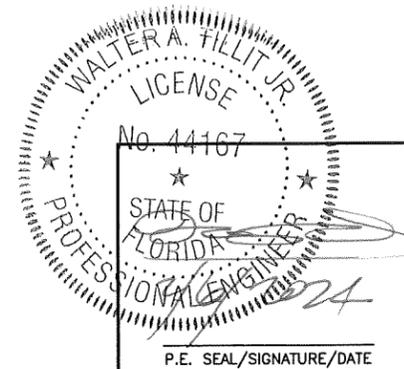
**THIS DRAWING SHALL ONLY BE USED TO OBTAIN PERMITS IN THE STATE OF FLORIDA**

**PRODUCT APPROVED**  
as complying with the Florida Building Code

NOA-No. 23-1215.02

Approval Date 03/21/2024

By *[Signature]*  
Miami-Dade Product Control



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)		CWS 6" DECORATIVE EXTERIOR WALL PANELS.		W.H. DRAWN BY:			
©2023 TILTECO, INC.		ChamClad by Chameleon		10/31/2023 DATE:			
TILTECO inc.		10235-184 ST. NW EDMONTON, AB T5S 2J4		22-063 DRAWING No.			
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 300, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 - Fax: (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167		REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1				3			
2				4			

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

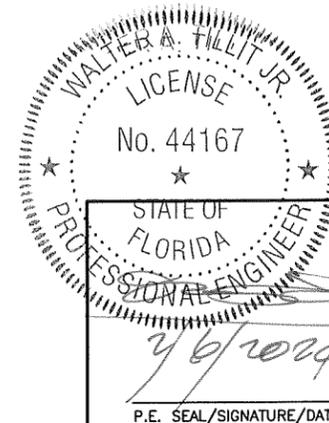
COMPONENT No.	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1A	CWS 6" EXTERIOR 1/2" WALL PANEL	SEE COMPONENT DETAIL	COMPOSITE 100% RECYCLE PVC by ChamClad Chameleon	ChamClad by Chameleon	CLADDING PLANK
2	EXTERIOR STARTER STRIP	SEE COMPONENT DETAIL	6063-T5 ALUMINUM ALLOY	ChamClad by Chameleon	ACCESSORY TO FIX 1A TO 7A AT BOTTOM EDGE OF HORIZONTAL 1A W/ 8
4	6" SIDING 2 PC FINISH TRIM	SEE COMPONENT DETAIL	6063-T5 ALUMINUM (COVER) REGRIND RECYCLED PVC (BASE)	ChamClad by Chameleon	ACCESSORY TRIM ORIENTED PARALLEL OR PERPENDICULAR TO 1A AT END CONNECTED TO 7A W/ 8 (SEE ELEVATION).
6	H-TRIM BASE & COVER CAP	SEE COMPONENT DETAIL	REGRIND RECYCLED PVC BASE + COVER	ChamClad by Chameleon	ACCESSORY TRIM ORIENTED PERPENDICULAR TO 1A AT END CONNECTED TO 7B W/ 8
7A	WOOD FURRING	1" X 2" (NOMINAL)	SOUTHERN YELLOW PINE#2 P.T. WOOD	-	SUPPORT FOR 1A FIXED TO EXISTING STRUCTURE W/ 9
7B	WOOD FURRING FOR 6	1" X 4" (NOMINAL)	SOUTHERN YELLOW PINE#2 P.T. WOOD	-	SUPPORT FOR 1A FIXED TO EXIST. STRUCTURE W/ 9
8	FLAT HEAD TEK SCREW	#8 X 3/4"	AISI 304 STAINLESS STEEL	ITW/BUILDEX	USE TO CONNECT 1A OR ACCESSORIES TO 7A & 7B COUNTERSUNK AS NEEDED
8A	FLAT HEAD TEK SCREW	#8 X 1 1/4"	AISI 304 STAINLESS STEEL	ITW/BUILDEX	USE TO CONNECT 1A TO 7A AT DETAIL 3/SHT. 5 COUNTERSUNK AS NEEDED
9	FASTENERS	1/4"Ø FLAT HEAD ULTRACON SS4	AISI 410 STAINLESS STEEL	DEWALT.	USE TO CONNECT 7A & 7B TO EXISTING CONCRETE, BLOCK OR WOOD STUD WALL.
10A	EXTERIOR PROTECTIVE FILM RENOLITE EXOFOL FX.	TOTAL THICKNESS=0.17-0.18mm	MULTILAYER FILM.TENSILE STRESS @ BREAK=15 MPa	RENOLIT	UV RESISTANT.
10B	EXTERIOR PROTECTIVE FILM COOL COLORS PLUS.	TOTAL THICKNESS=0.215mm	ACRYLIC FILM. TENSILE STRENGTH=20MPa.	CONTINENTAL	UV RESISTANT.

**PRODUCT APPROVED**  
as complying with the Florida Building Code

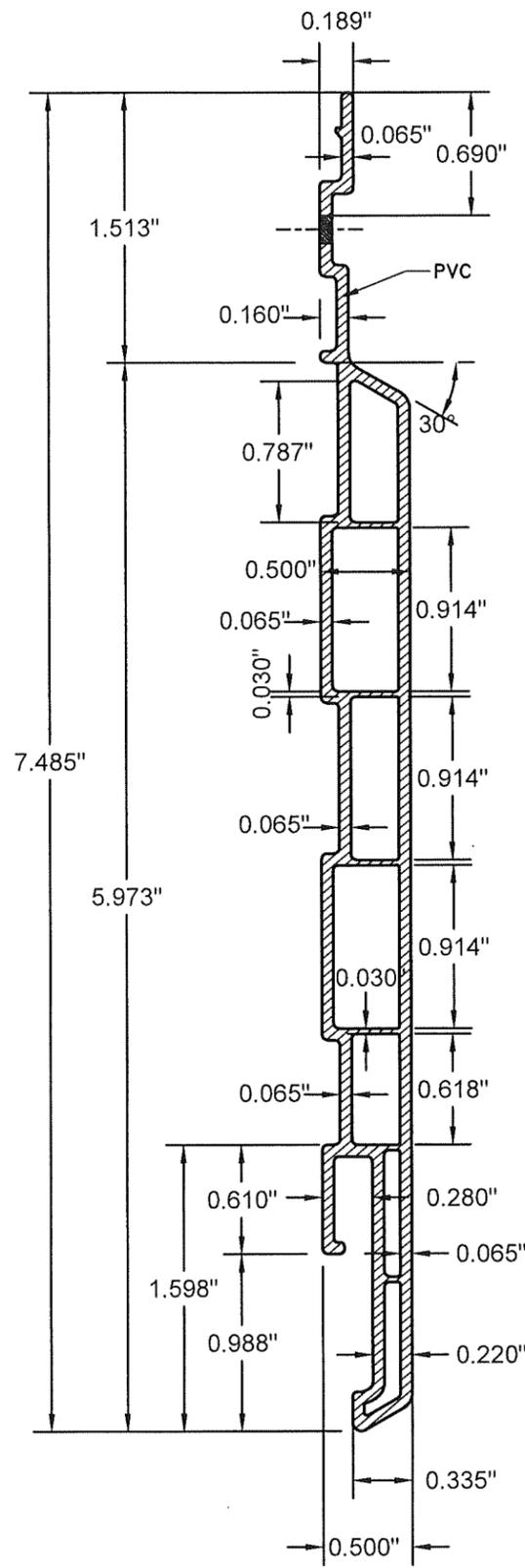
NOA-No. 23-1215.02

Approval Date 03/21/2024

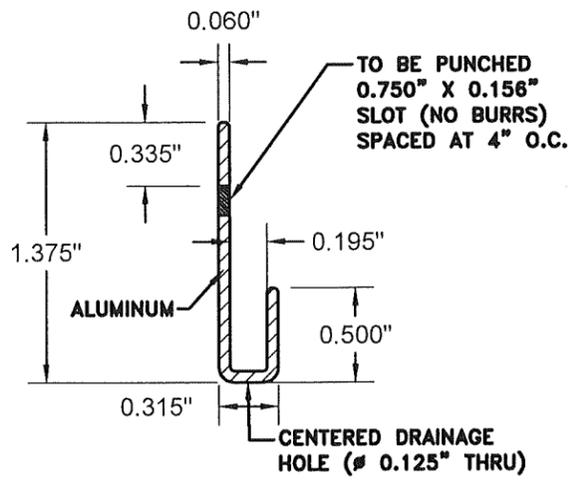
By *[Signature]*  
Miami-Dade Product Control



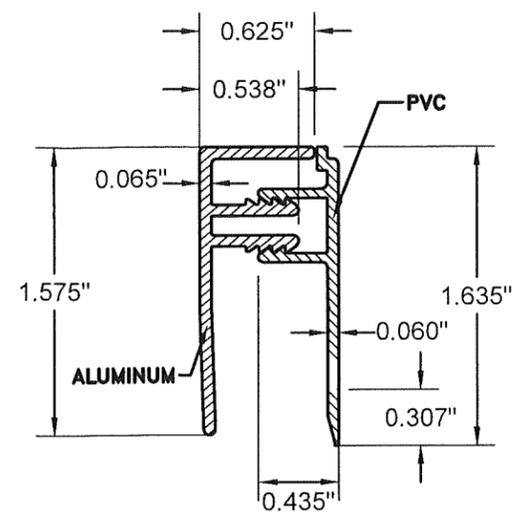
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)		CWS 6" DECORATIVE EXTERIOR WALL PANELS.		W.H. DRAWN BY:
©2023 TILTECO, INC.		TILTECO Inc.		10/31/2023 DATE:
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 Fax: (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167		ChamClad by Chameleon 10235-184 ST. NW EDMONTON, AB T5S 2J4		22-063 DRAWING No.
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION
1			3	
2			4	
				SHEET 2 OF 18



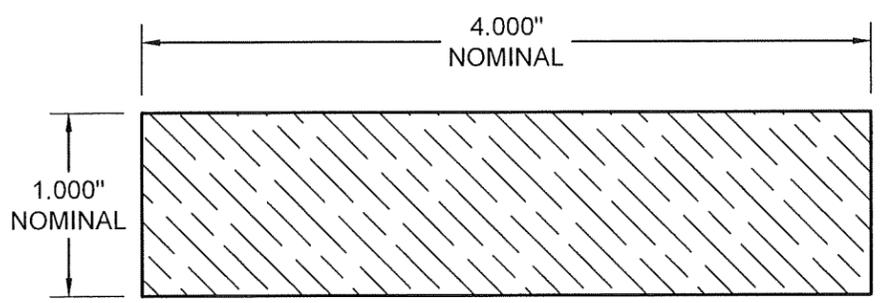
**1A** CWS 6" EXTERIOR 1/2" WALL PANEL W/ **10A** OR **10B**



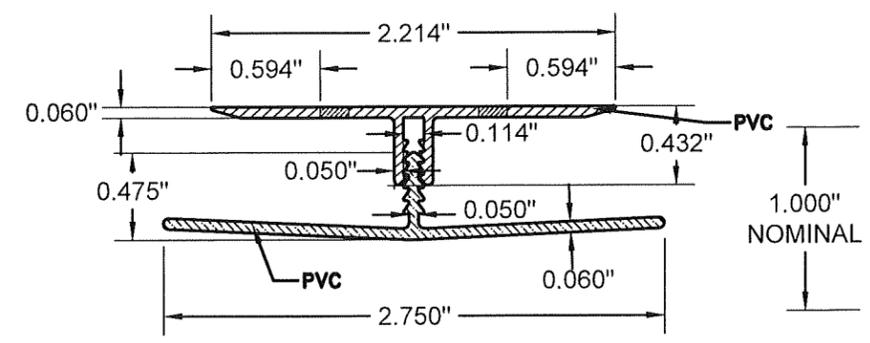
**2** EXTERIOR STARTER STRIP



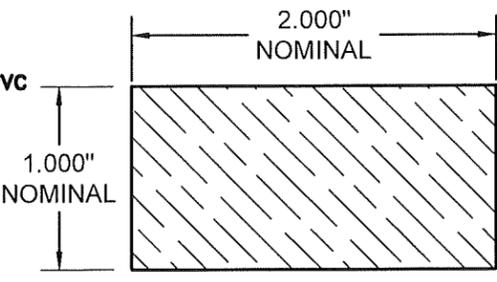
**4** 6" SIDING 2 PC FINISH TRIM



**7B** WOOD FURRING FOR **6**



**6** H-TRIM BASE & COVER CAP



**7A** WOOD FURRING

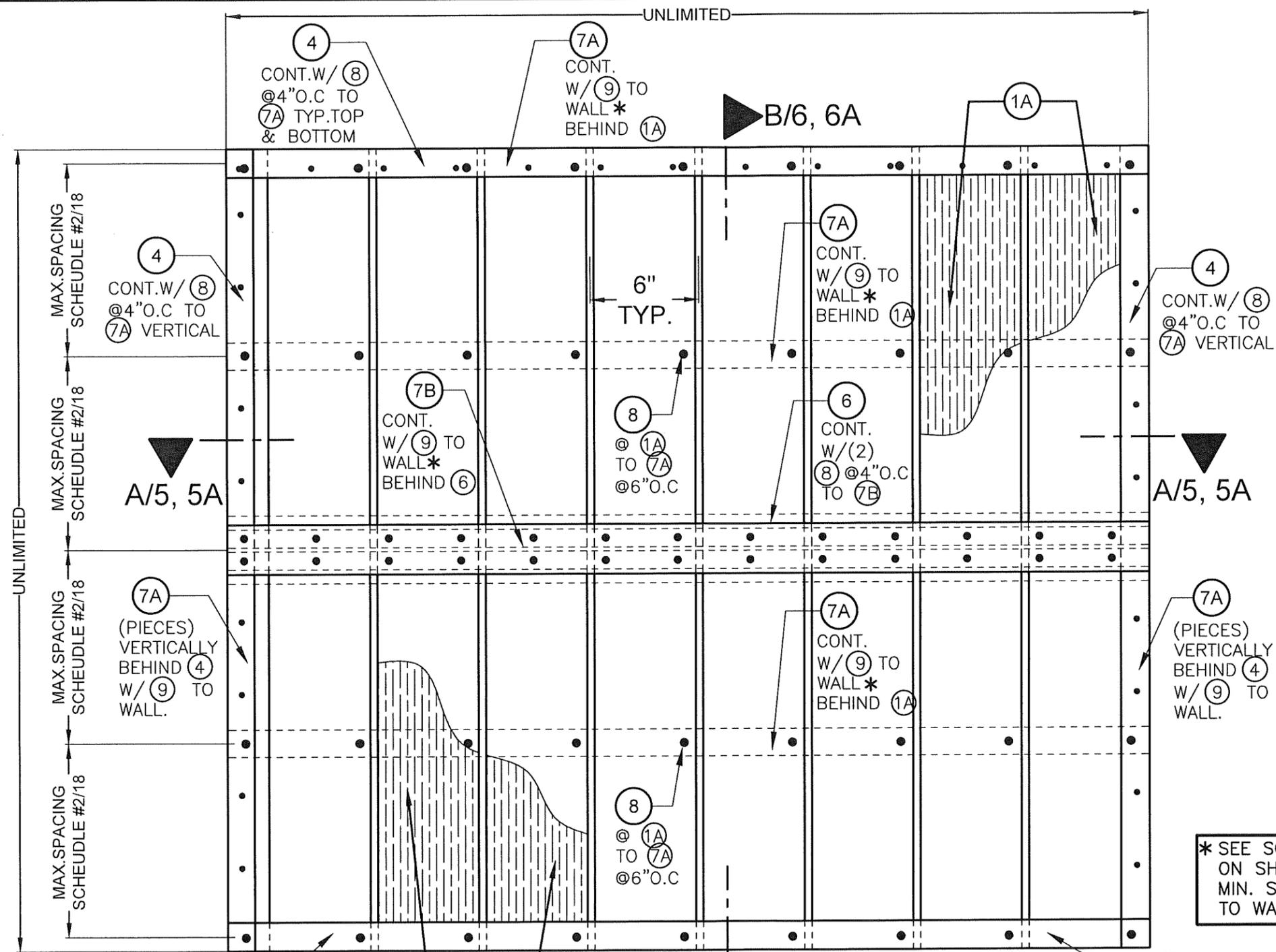
# COMPONENTS OPTIONAL SYSTEM #1 W/ **1A**

SCALE: N.T.S

**PRODUCT APPROVED**  
as complying with the Florida  
Building Code  
NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control

WALTER A. TILLIT JR.  
LICENSE  
No. 44167  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
*[Signature]*  
2024  
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)			
©2023 TILTECO, INC.		CWS 6" DECORATIVE EXTERIOR WALL PANELS.	
		10235-184 ST. NW EDMONTON, AB T5S 2J4	
REV. NO.	DESCRIPTION	DATE	REV. NO.
1			3
2			4
W.H. DRAWN BY:		DATE:	
		10/31/2023	
DRAWING No.		22-063	
SHEET 3 OF 18			



4  
CONT. W/ 8  
@4" O.C TO  
7A TYP. TOP  
& BOTTOM

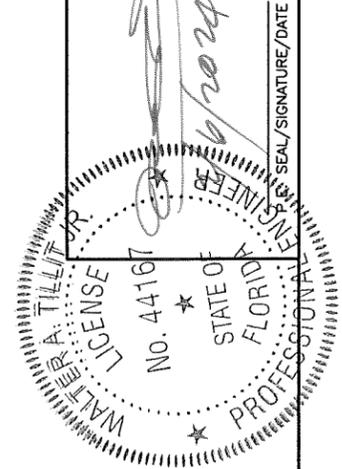
**TYPICAL ELEVATION OF 1A (VERTICALLY ORIENTED)**

**W/ 7A & 7B RUNNING HORIZONTALLY**

SCALE: N.T.S

**OPTIONAL SYSTEM #1: INSTALLATION INTO WOOD FRAME  
OR CONCRETE/MASONRY WALLS.**

\* SEE SCHEDULE #1  
ON SHEET 18 FOR  
MIN. SPACING OF 9  
TO WALL SUBSTRATE.



**PRODUCT APPROVED**  
as complying with the Florida  
Building Code

NOA-No. 23-1215.02

Approval Date 03/21/2024

By *[Signature]*  
Miami-Dade Product Control

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

CWS 6" WALL PANEL

**Chamclad**  
by Chameleon

10235-184 ST. NW  
EDMONTON, AB T5S 2J4

DATE: 10/31/2023  
DRAWING NO. 22-063

**TILECO INC.**

TILE TESTING & ENGINEERING COMPANY

6355 N.W. 34th St., Ste. 305, Virginia Gardens, FL 33166

Phone: (305) 497-1151 Fax: (305) 497-1151

WALTER A. TILLIT, JR., P.E.  
FLORIDA Lic. # 44167

©2023 TILECO, INC.

W.H. DRAWN BY:

10/31/2023 DATE:

22-063 DRAWING NO.:

DATE:

DESCRIPTION:

REV. NO.:

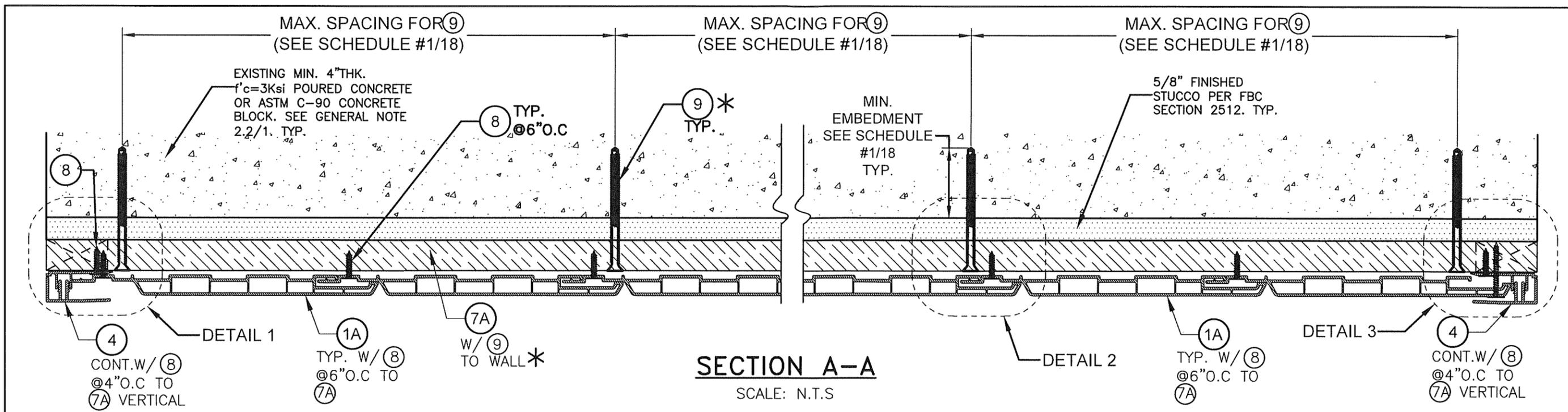
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DESCRIPTION:

REV. NO.:

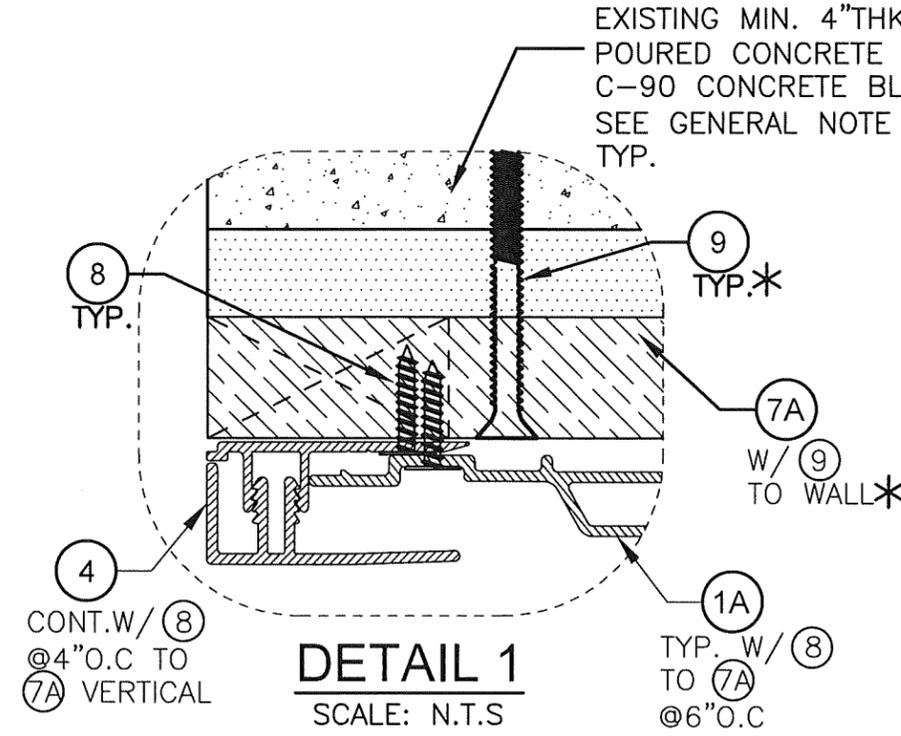
DATE:

SHEET 4 OF 18

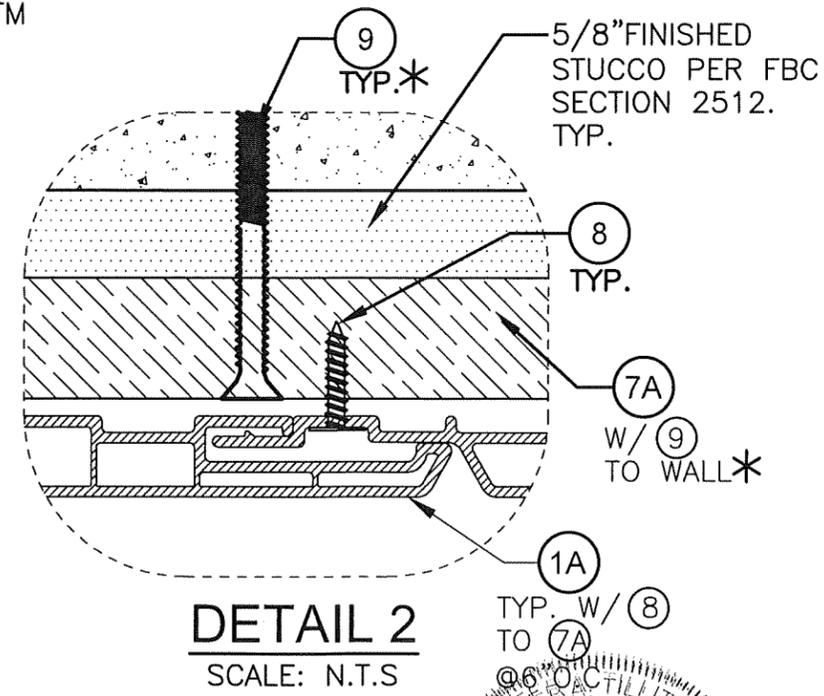


**SECTION A-A**  
SCALE: N.T.S

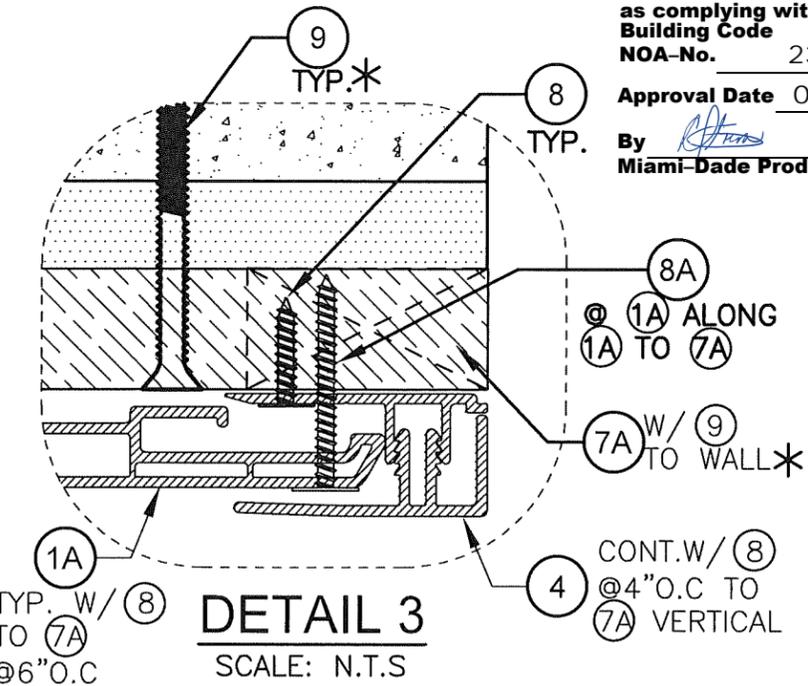
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NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control



**DETAIL 1**  
SCALE: N.T.S



**DETAIL 2**  
SCALE: N.T.S



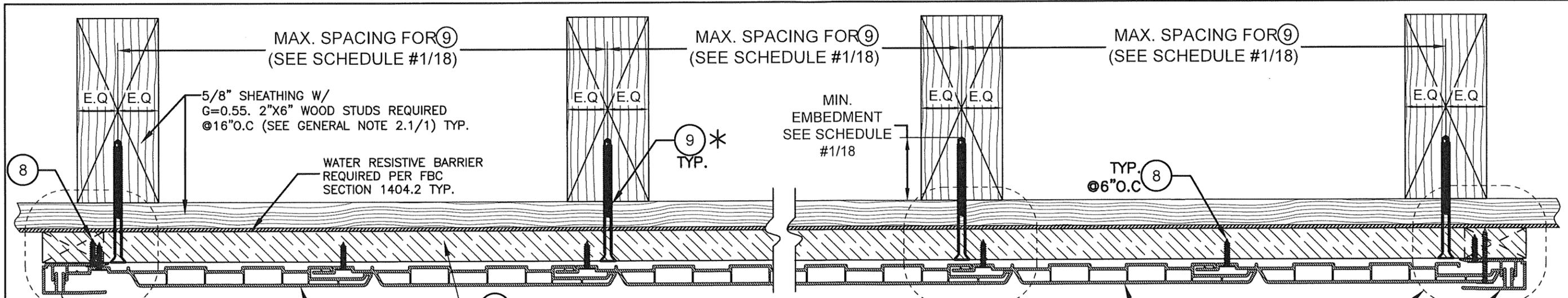
**DETAIL 3**  
SCALE: N.T.S

\*SEE SCHEDULE #1 ON SHEET 18 FOR MIN. SPACING OF (9) TO WALL SUBSTRATE.

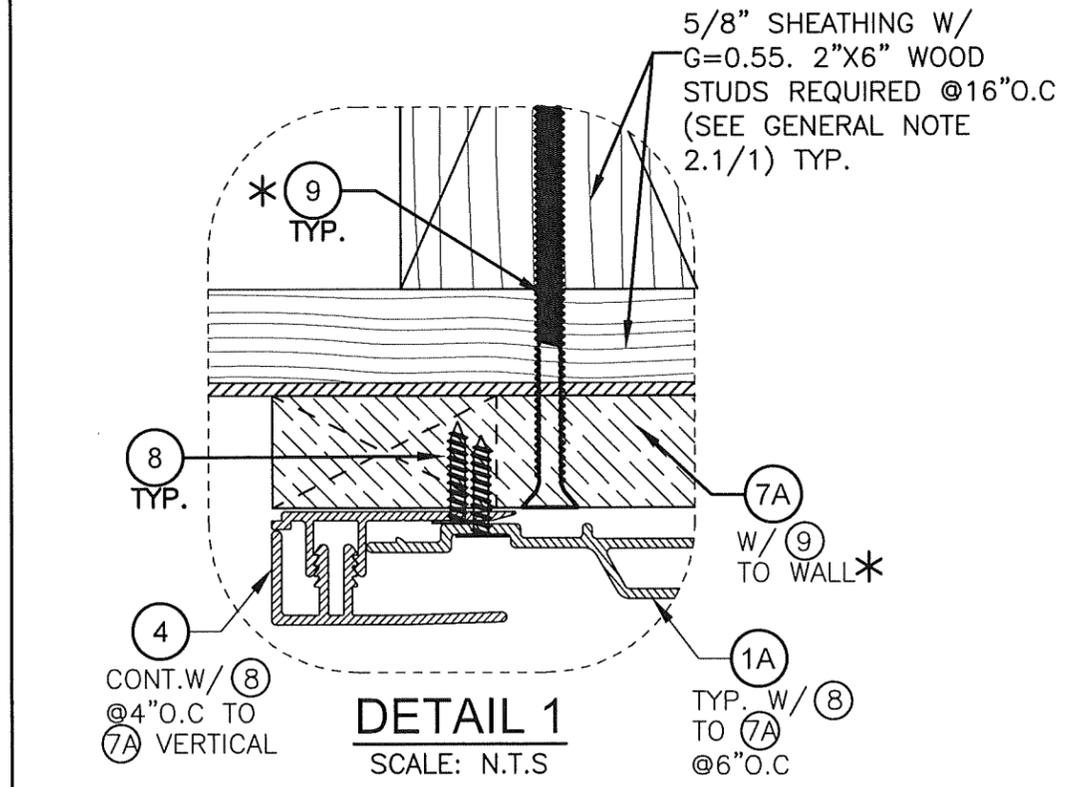
**OPTIONAL SYSTEM #1: POURED CONCRETE OR CONCRETE BLOCK WALL SUBSTRATE**

WALTER A. TILLIT JR.  
LICENSE  
No. 44167  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
*[Signature]*  
P.E. SEAL/SIGNATURE/DATE

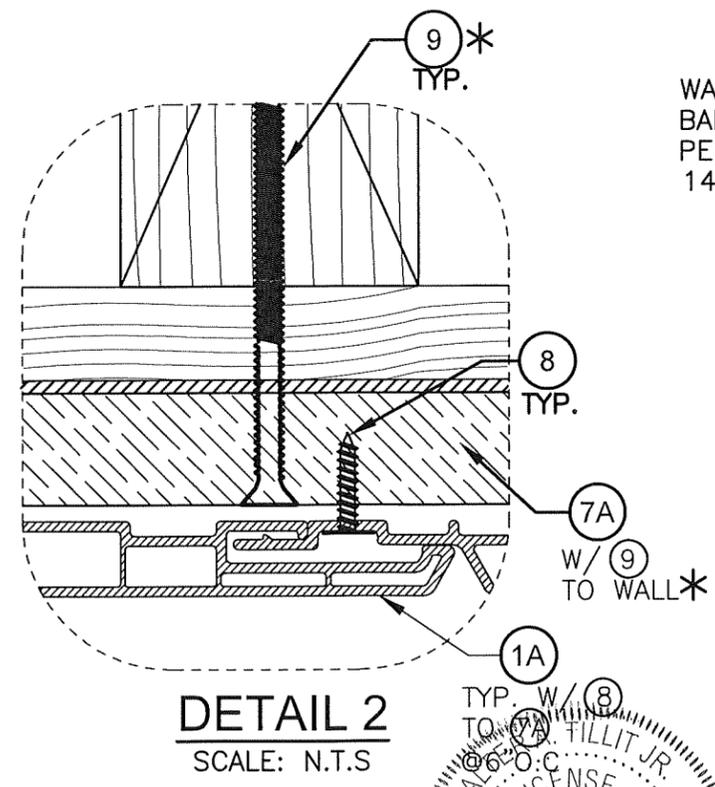
©2023 TILTECO, INC.		FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)	
<b>TILTECO inc.</b>		CWS 6" DECORATIVE EXTERIOR WALL PANELS.	
TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 36th St., Ste. 302, VIRGINIA GARDENS, FL 33186 Phone: (305)871-1830, Fax: (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167		<b>ChamClad</b> by Chameleon 10235-184 ST. NW EDMONTON, AB T5S 2J4	
REV. NO	DESCRIPTION	REV. NO	DESCRIPTION
1		3	
2		4	
W.H. DRAWN BY:		DATE:	
10/31/2023		22-063	
DRAWING No.		SHEET 5 OF 18	



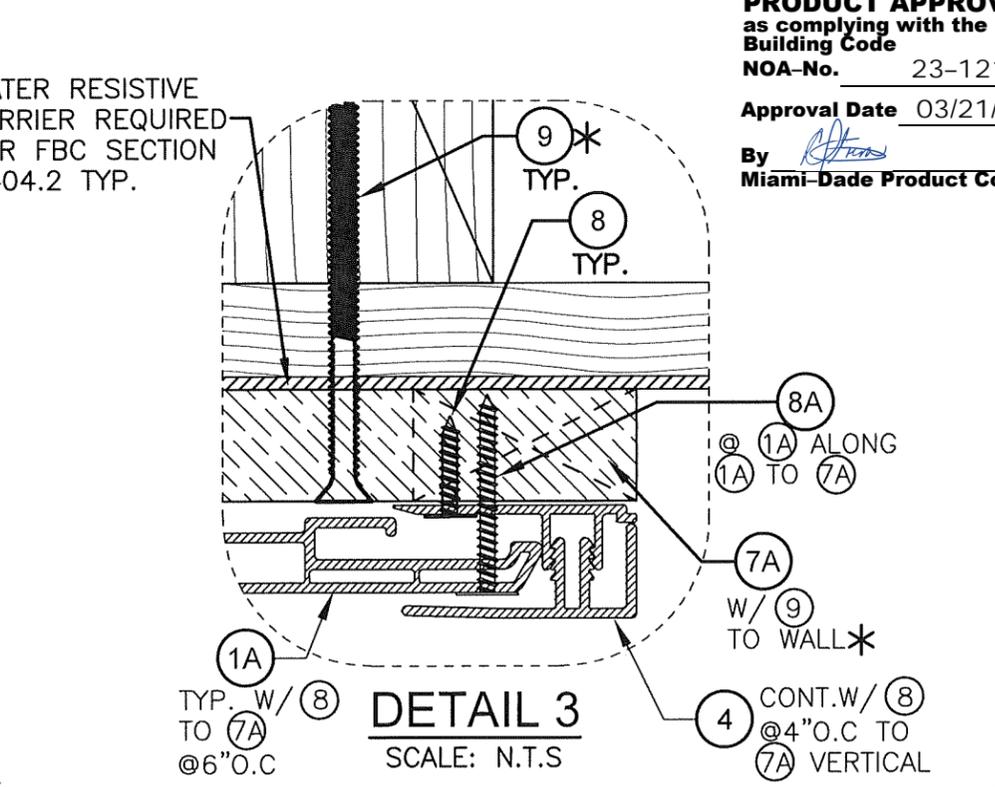
**SECTION A-A**  
SCALE: N.T.S



**DETAIL 1**  
SCALE: N.T.S



**DETAIL 2**  
SCALE: N.T.S



**DETAIL 3**  
SCALE: N.T.S

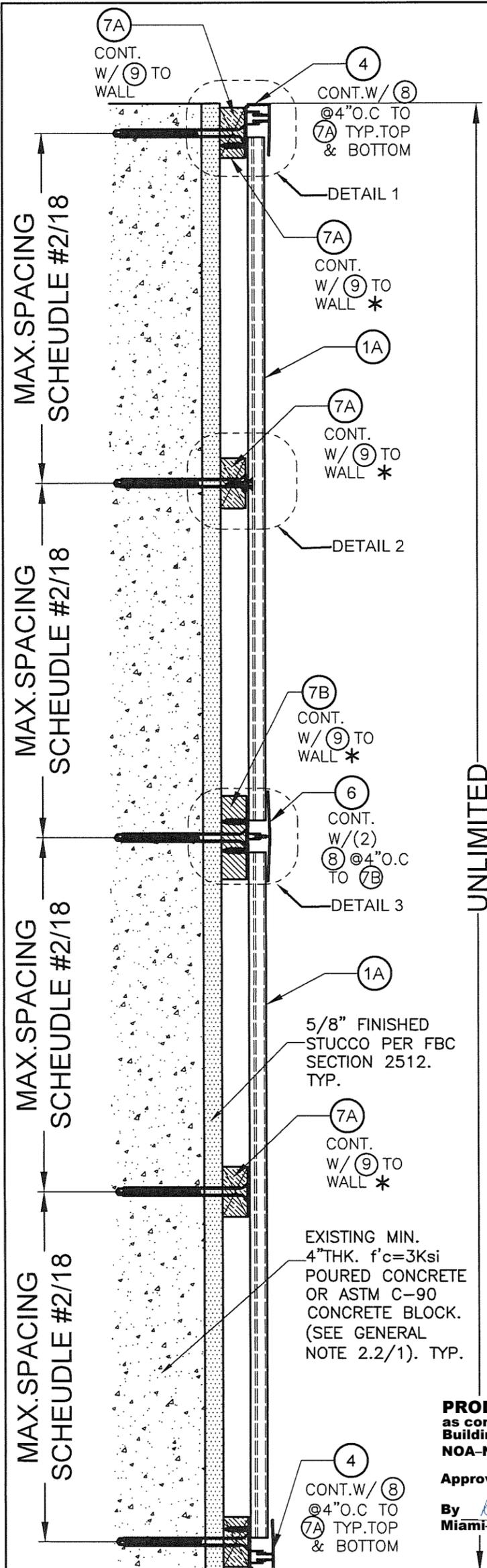
\*SEE SCHEDULE #1 ON SHEET 18 FOR MIN. SPACING OF 9 TO WALL SUBSTRATE.

**PRODUCT APPROVED**  
as complying with the Florida Building Code  
NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control

**OPTIONAL SYSTEM #1: WOOD FRAME WALLS**

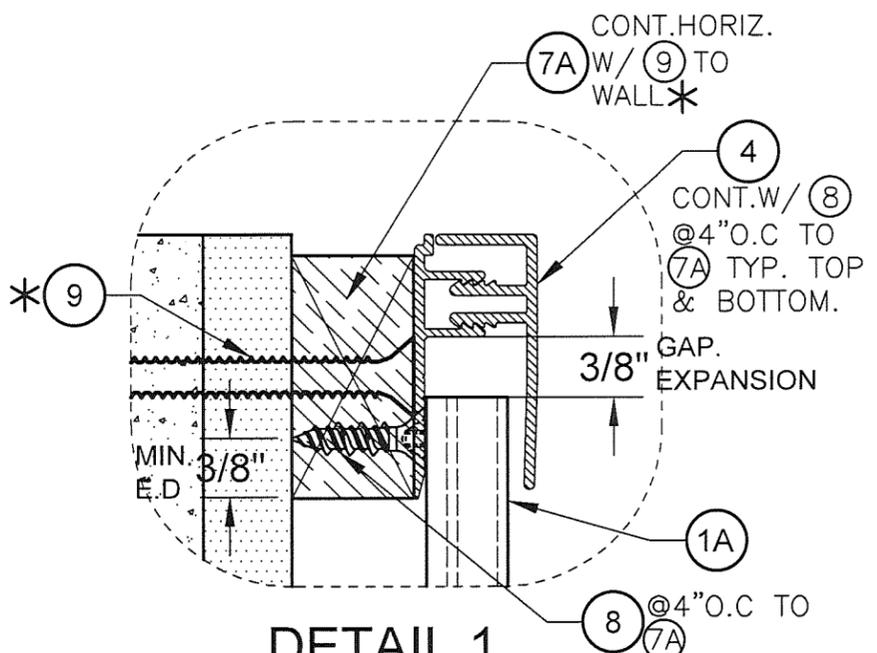
WALTER A. TILLIT JR.  
LICENSE No. 44167  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)		W.H. DRAWN BY:	
©2023 TILTECO, INC.		10/31/2023	
TILTECO inc.		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		<b>ChamClad</b> by Chameleon 10235-184 ST. NW EDMONTON, AB T5S 2J4	
WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167		22-063 DRAWING No.	
REV. NO	DESCRIPTION	DATE	REV. NO
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2			4

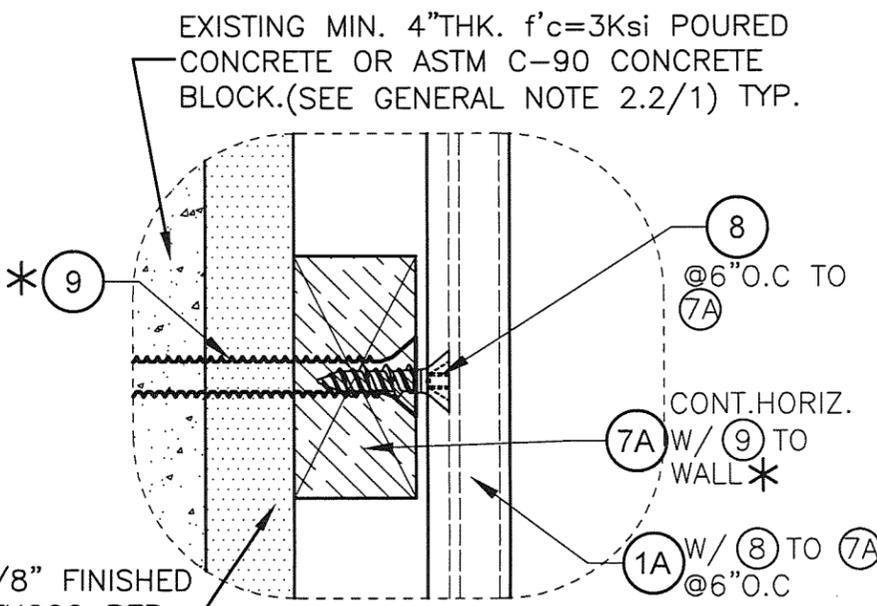


**SECTION B-B:**  
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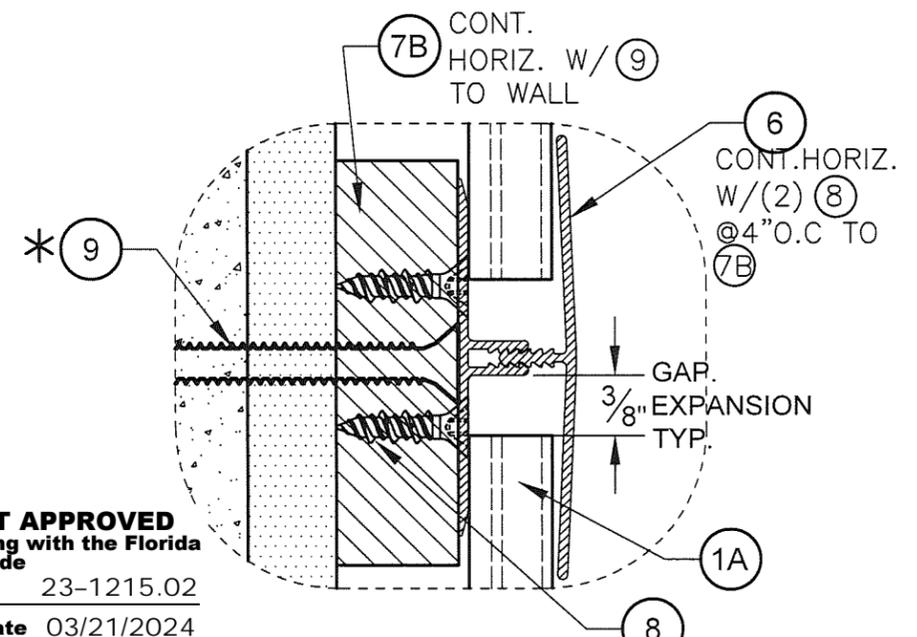
\*SEE SCHEDULE #1 ON SHEET 18 FOR MIN. SPACING OF 9 TO WALL SUBSTRATE.



**DETAIL 1**  
**(TYP. TP & BOTTOM)**  
SCALE: N.T.S



**DETAIL 2**  
SCALE: N.T.S



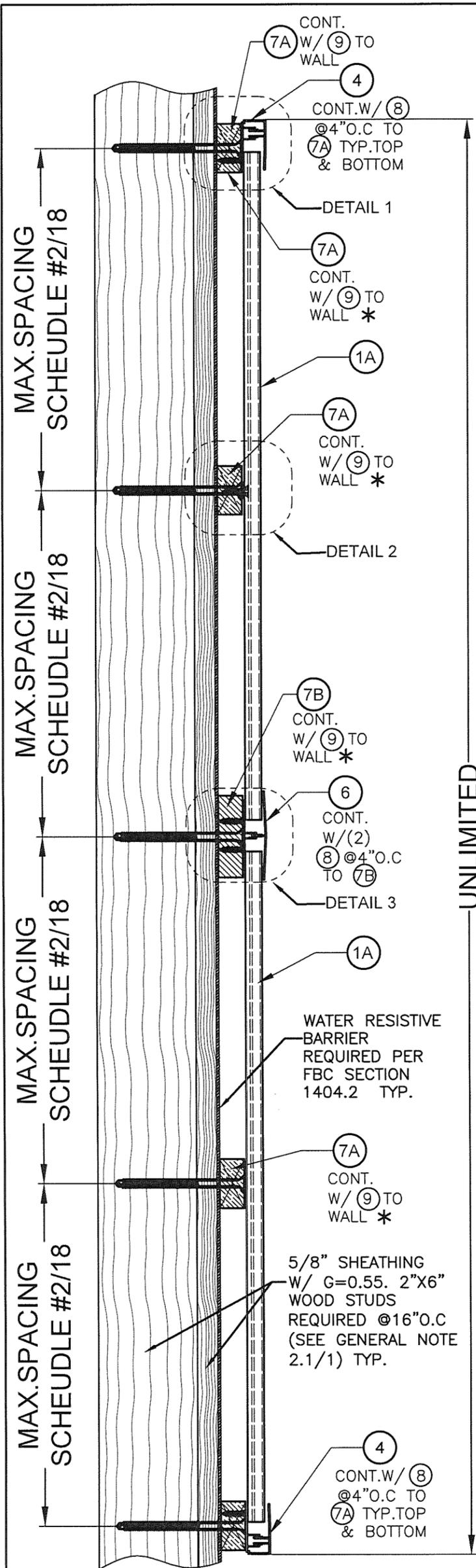
**DETAIL 3**  
SCALE: N.T.S

**OPTIONAL SYSTEM #1:**  
**POURED CONCRETE OR CONC.**  
**BLOCK WALL SUBSTRATE**

**PRODUCT APPROVED**  
as complying with the Florida Building Code  
NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control

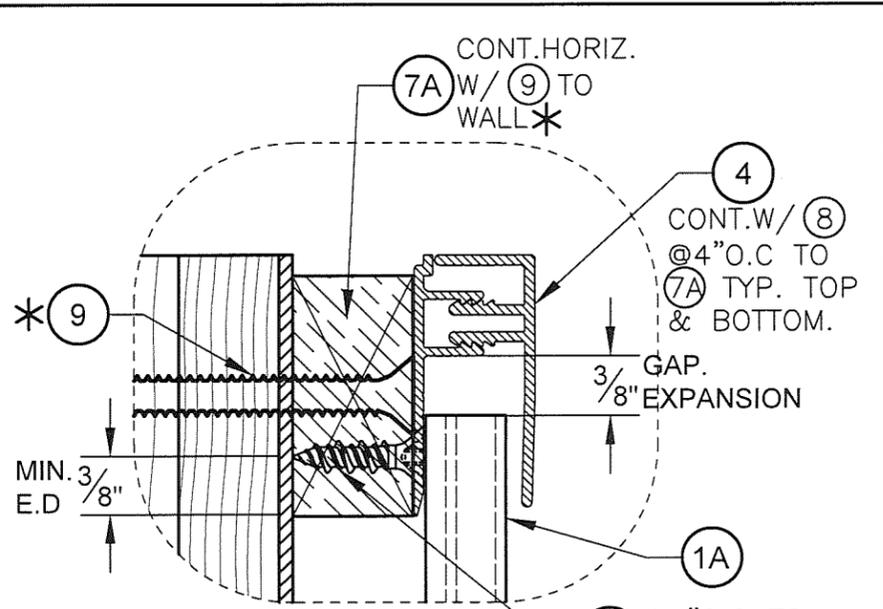
*[Professional Engineer Seal: WALTER A. TILIT JR., No. 44167, STATE OF FLORIDA, PROFESSIONAL ENGINEER]*

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)		W.H.	
©2023 TILTECO, INC.		DRAWN BY:	
TILTECO INC.		10/31/2023	
TILIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 Fax: (305)871-1531 CA-0006719		DATE:	
WALTER A. TILIT JR. P.E. FLORIDA Lic. # 44167		22-063	
CWS 6" WALL PANEL		DRAWING No.	
ChamClad by Chameleon		10/31/2023	
10235-184 ST. NW EDMONTON, AB T5S 2J4		DATE:	
REV. NO. DESCRIPTION DATE REV. No. DESCRIPTION DATE		SHEET 6 OF 18	
1		3	
2		4	

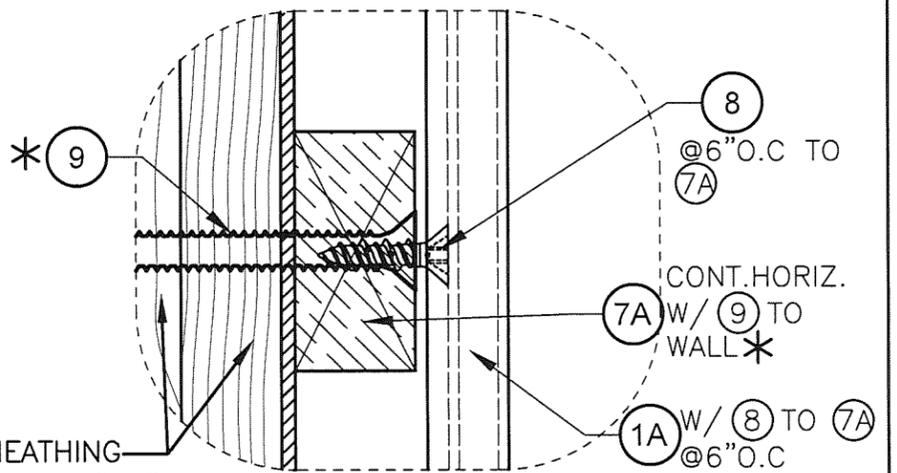


**SECTION B-B:**  
SCALE: N.T.S

\*SEE SCHEDULE #1 ON SHEET 18 FOR MIN. SPACING OF 9 TO WALL SUBSTRATE.



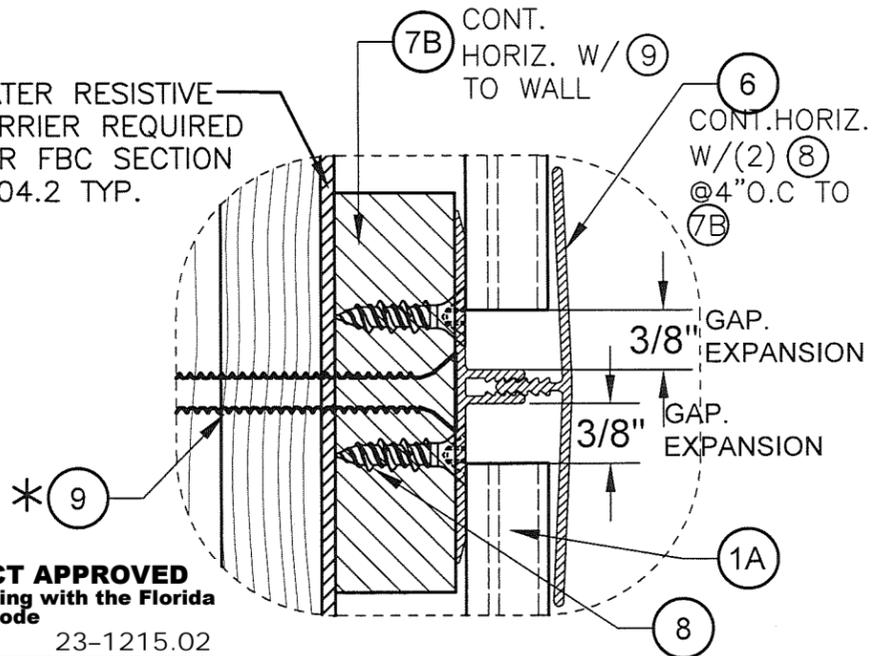
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**(TYP. TP & BOTTOM)**  
SCALE: N.T.S



**DETAIL 2**  
SCALE: N.T.S

5/8" SHEATHING  
W/ G=0.55. 2"X6"  
WOOD STUDS  
REQUIRED @16"O.C  
(SEE GENERAL  
NOTE 2.1/1) TYP.

WATER RESISTIVE  
BARRIER REQUIRED  
PER FBC SECTION  
1404.2 TYP.



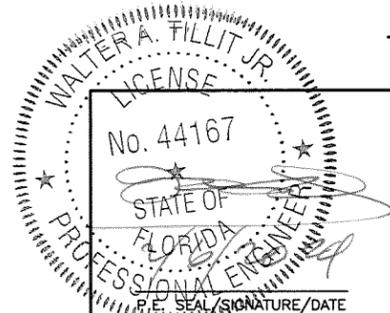
**DETAIL 3**  
SCALE: N.T.S

**PRODUCT APPROVED**  
as complying with the Florida  
Building Code  
NOA-No. 23-1215.02

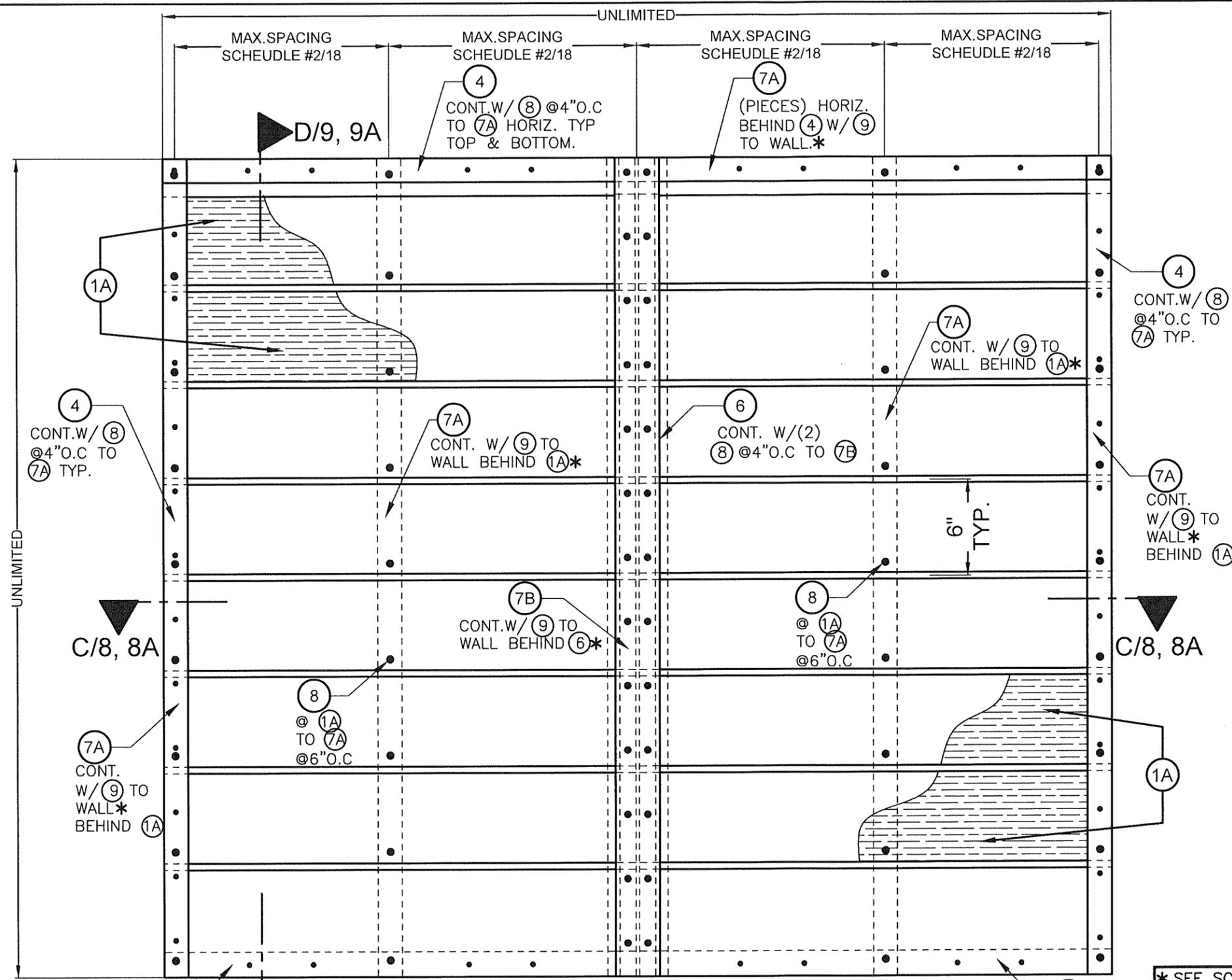
Approval Date 03/21/2024

By *[Signature]*  
Miami-Dade Product Control

# OPTIONAL SYSTEM #1: WOOD FRAME WALLS

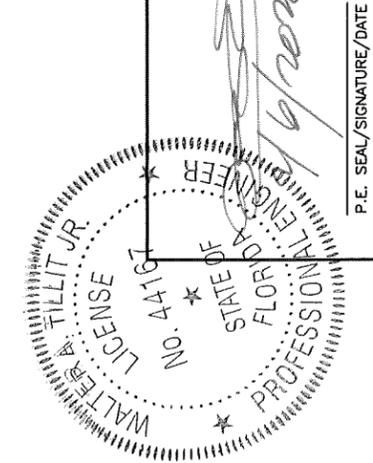


FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)			
©2023 TILTECO, INC.		CWS 6" WALL PANEL	
		<b>ChamClad</b> by Chameleon 10235-184 ST. NW EDMONTON, AB T5S 2J4	
REV. NO.	DESCRIPTION	DATE	REV. NO.
1			3
2			4



**TYPICAL ELEVATION OF 1A (HORIZONTALLY ORIENTED)**  
**W/ 7A & 7B RUNNING VERTICALLY**  
 SCALE: N.T.S  
**OPTIONAL SYSTEM #1: INSTALLATION INTO WOOD FRAME**  
**OR CONCRETE/MASONRY WALLS.**

\* SEE SCHEDULE #1  
 ON SHEET 18 FOR  
 MIN. SPACING OF 9  
 TO WALL SUBSTRATE.



**PRODUCT APPROVED**  
 as complying with the Florida  
 Building Code  
 NOA-No. 23-1215.02  
 Approval Date 03/21/2024  
 By *[Signature]*  
 Miami-Dade Product Control

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

CWS 6" WALL PANEL

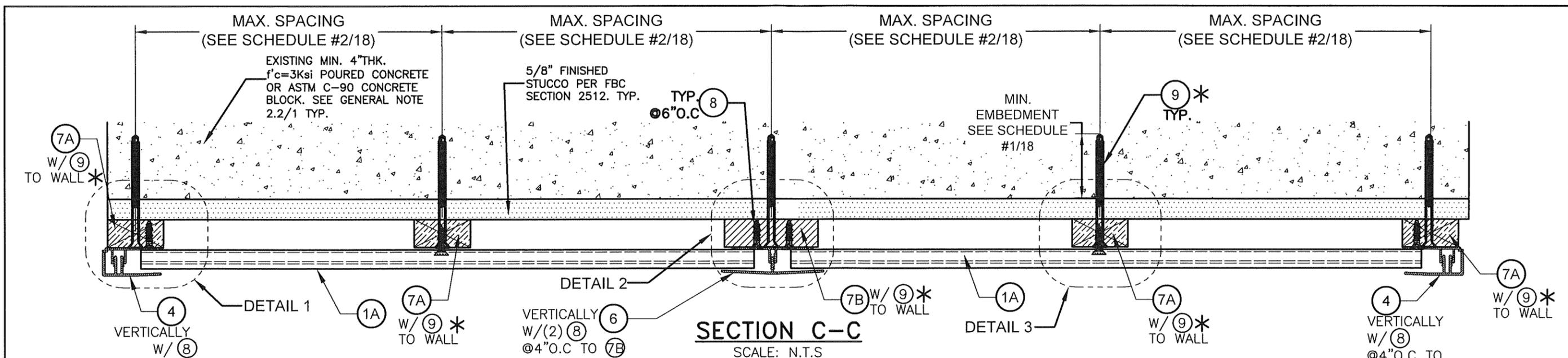
**Chamclad**  
 by Chameleon

10235-184 ST. NW  
 EDMONTON, AB T5S 2J4

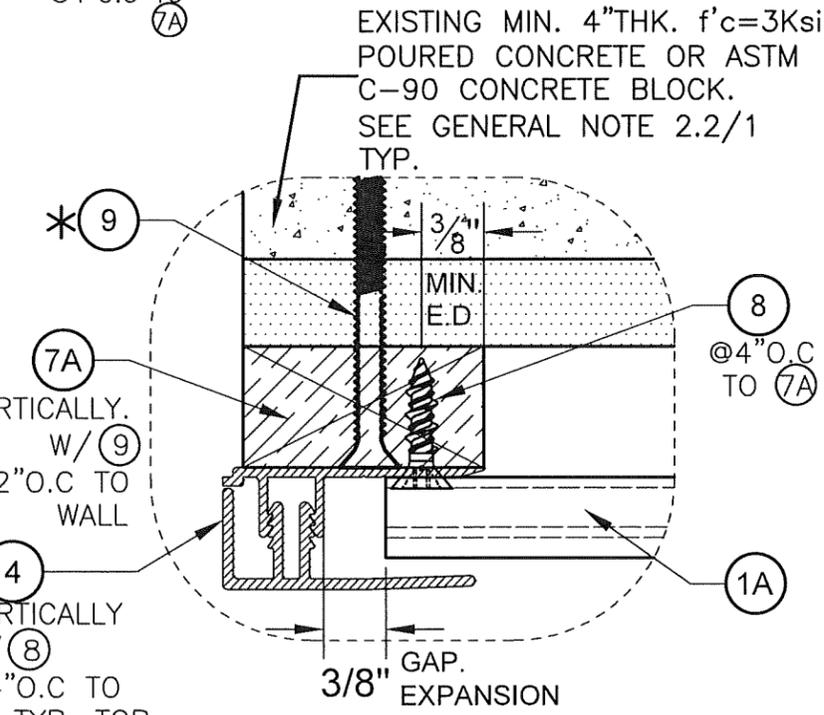
TILECO INC.  
 ©2023 TILECO, INC.  
 TILIT TESTING & ENGINEERING COMPANY  
 6855 N.W. 35th St., Ste. 305, Virginia Gardens, FL 33186  
 Phone: 1 (352) 677-1511 Fax: 1 (352) 677-1511  
 WALTER A. TILLIT JR., P.E.  
 FLORIDA Lic. # 44167

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
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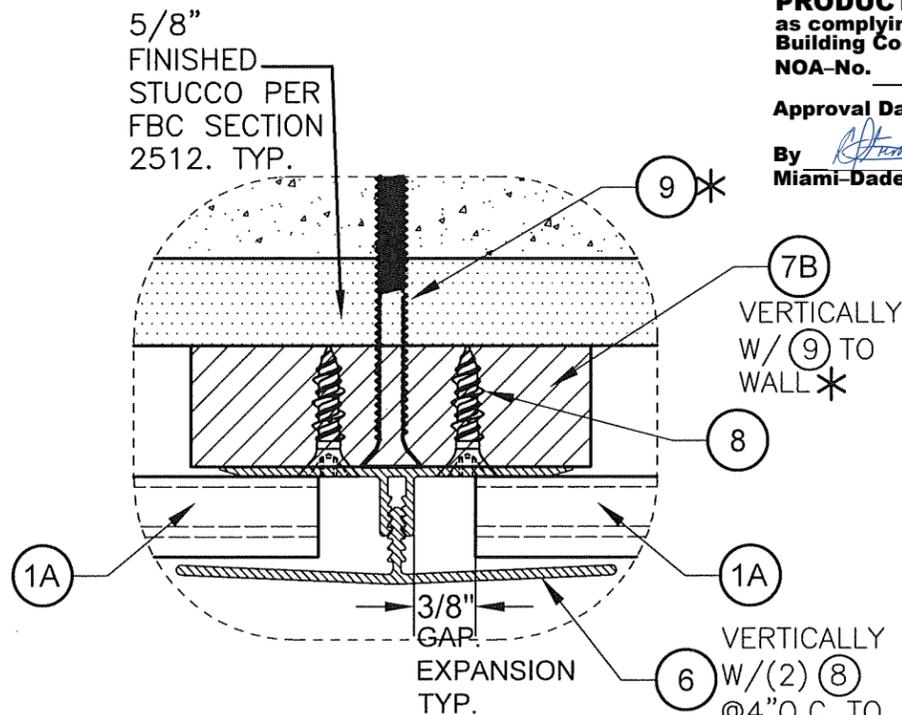
W.H. DRAWN BY: 10/31/2023 DATE: 22-063 DRAWING No. SHEET 7 OF 18



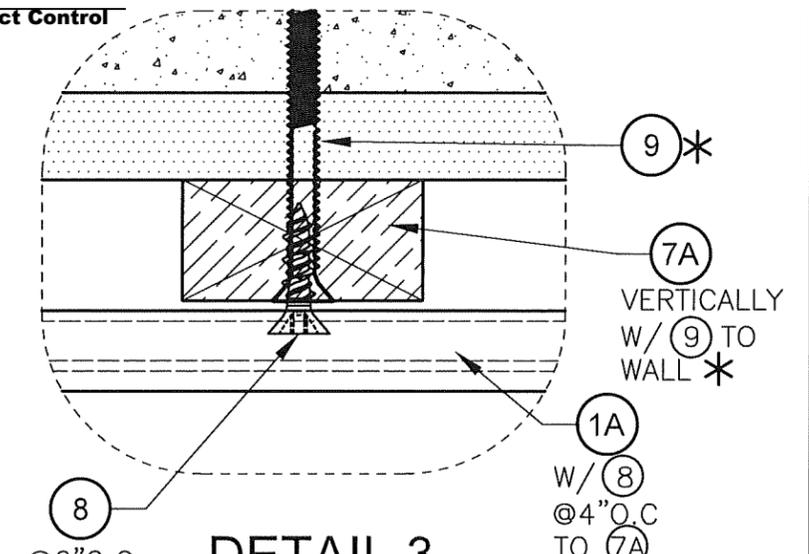
**PRODUCT APPROVED**  
 as complying with the Florida Building Code  
 NOA-No. 23-1215.02  
 Approval Date 03/21/2024  
 By *[Signature]*  
 Miami-Dade Product Control



**DETAIL 1**  
 SCALE: N.T.S.



**DETAIL 2**  
 SCALE: N.T.S.



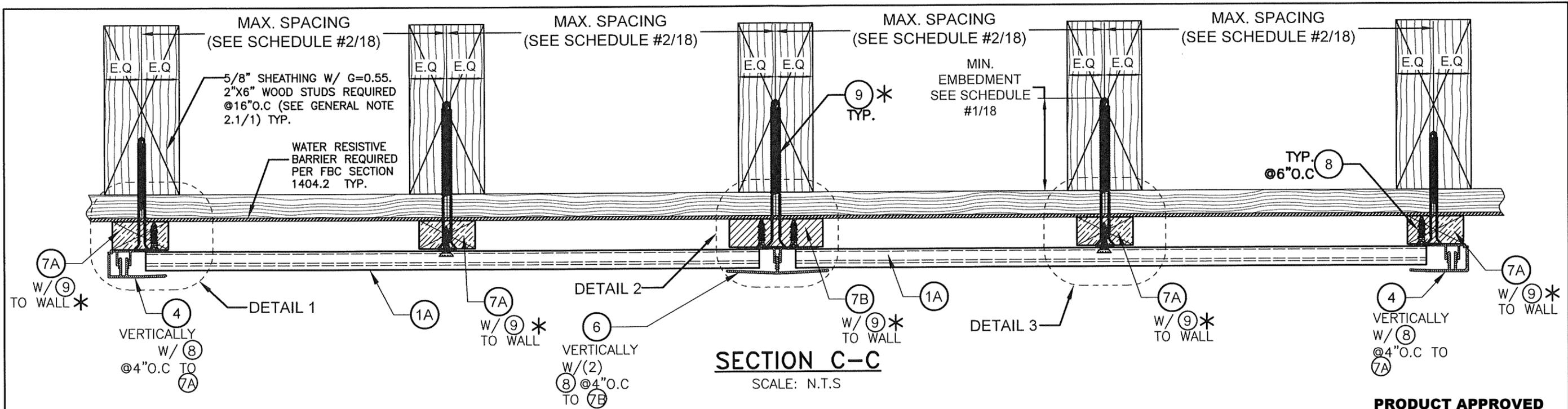
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 SCALE: N.T.S.

\*SEE SCHEDULE #1 ON SHEET 18 FOR MIN. SPACING OF 9 TO WALL SUBSTRATE.

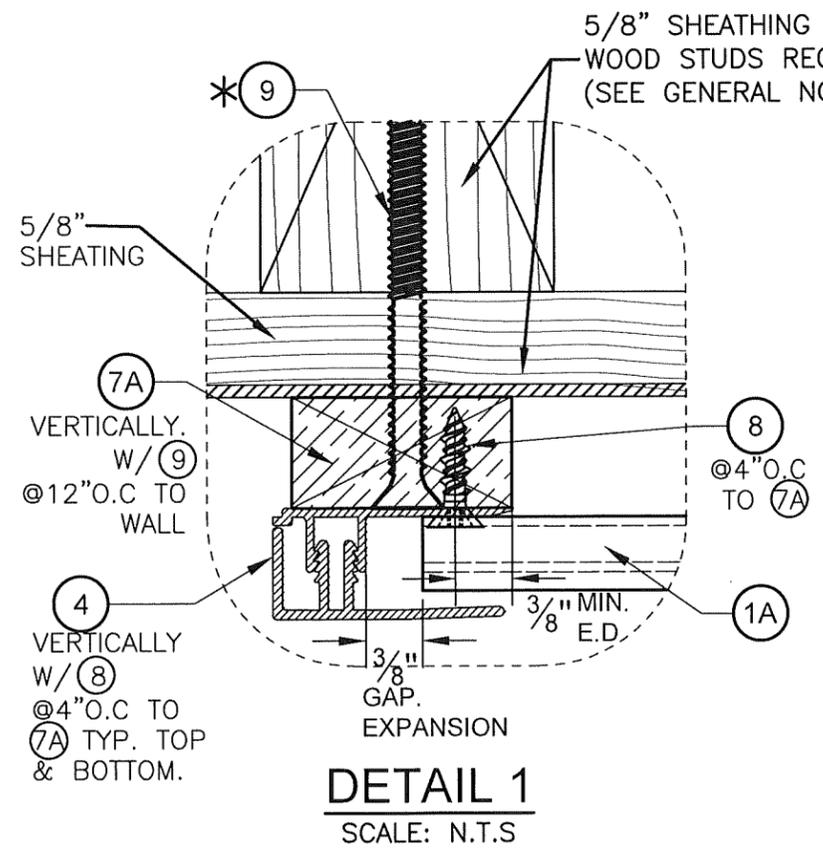
**OPTIONAL SYSTEM #1: POURED CONCRETE OR CONCRETE BLOCK WALL SUBSTRATE**

WALTER A. TILLIT JR.  
 LICENSE No. 44167  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
*[Signature]*  
 P.E. SEAL/SIGNATURE/DATE

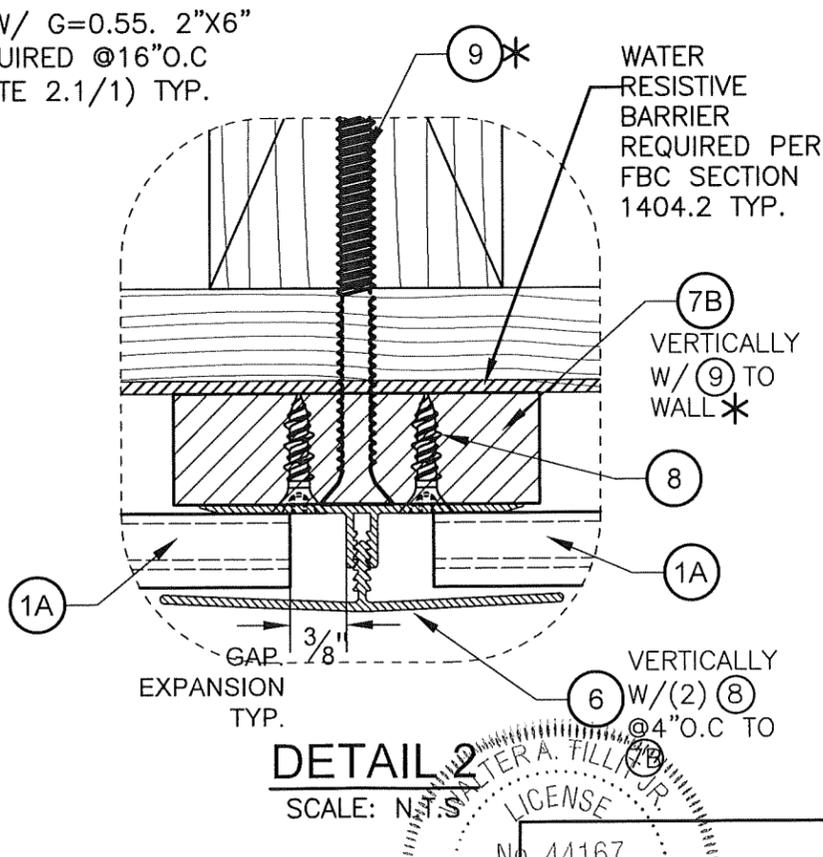
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)		W.H. DRAWN BY:	
©2023 TILTECO, INC.		CWS 6" DECORATIVE EXTERIOR WALL PANELS.	
<b>TILTECO inc.</b>		<b>ChamClad</b> by Chameleon	
TILLIT TESTING & ENGINEERING COMPANY 6350 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1830, Fax: (305)871-1531 CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167		10235-184 ST. NW EDMONTON, AB T5S 2J4	
REV. NO	DESCRIPTION	DATE	REV. No
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DATE		DATE	
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		DRAWING No.	
		SHEET 8 OF 18	



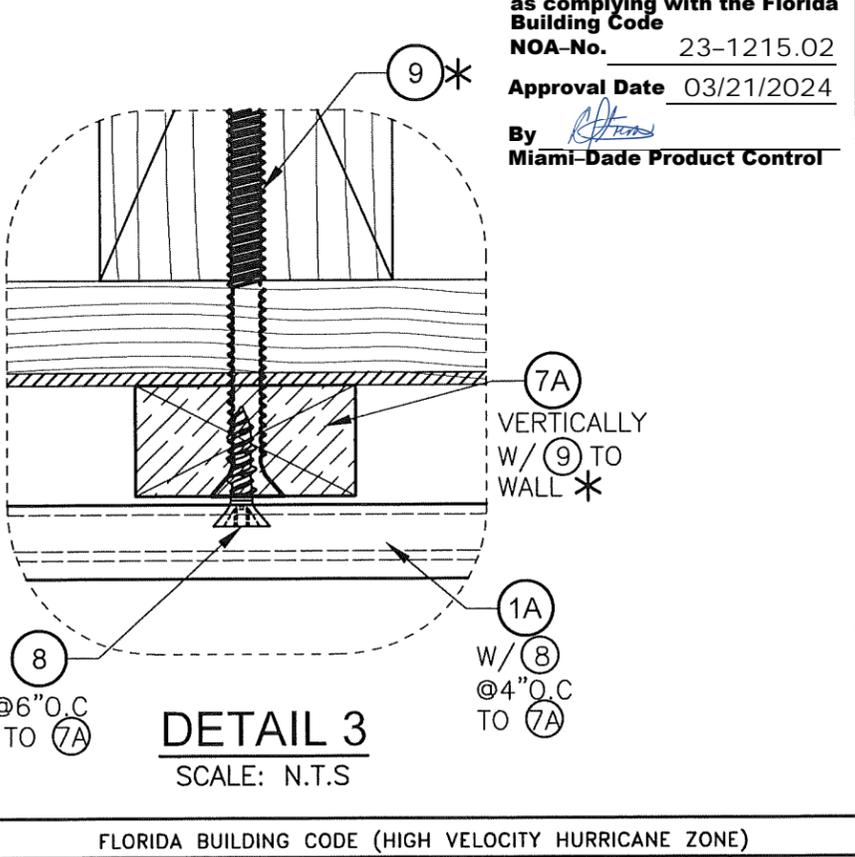
**SECTION C-C**  
SCALE: N.T.S



**DETAIL 1**  
SCALE: N.T.S



**DETAIL 2**  
SCALE: N.T.S



**DETAIL 3**  
SCALE: N.T.S

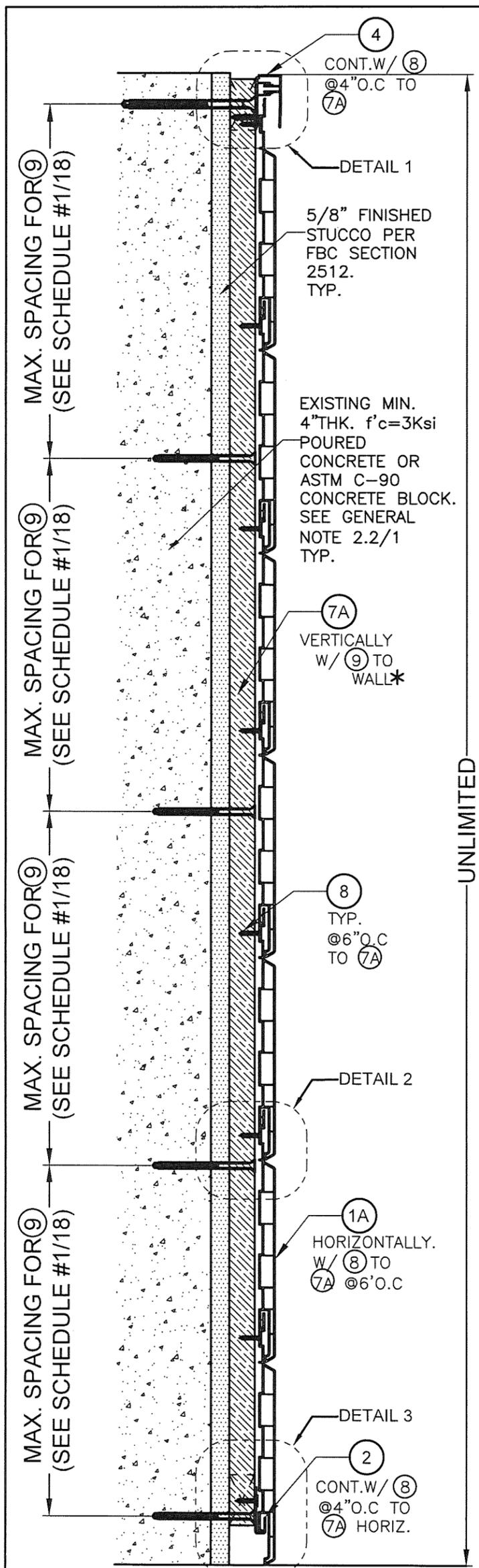
**PRODUCT APPROVED**  
as complying with the Florida Building Code  
NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control

\*SEE SCHEDULE #1 ON SHEET 18 FOR MIN. SPACING OF (9) TO WALL SUBSTRATE.

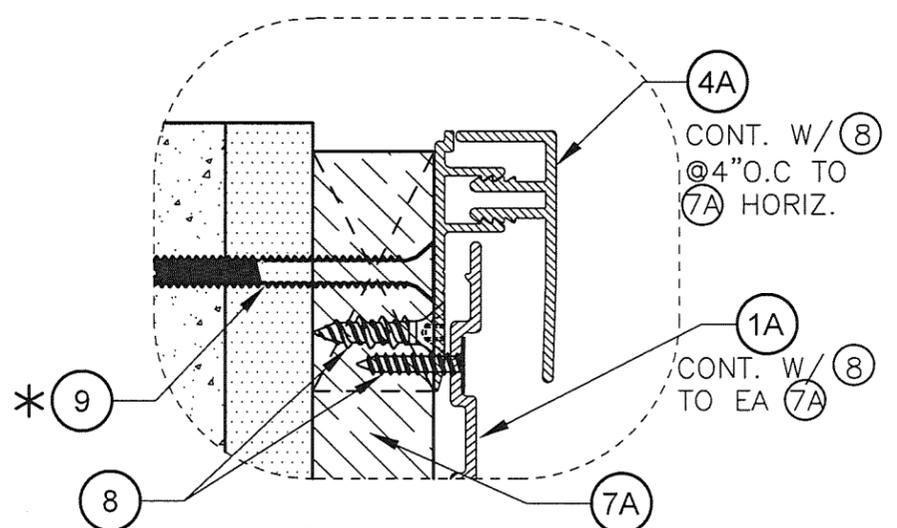
**OPTIONAL SYSTEM #1: WOOD FRAME WALLS**

WALTER A. TILL JR.  
LICENSE  
No. 44167  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
R.B. SEAL/SIGNATURE/DATE

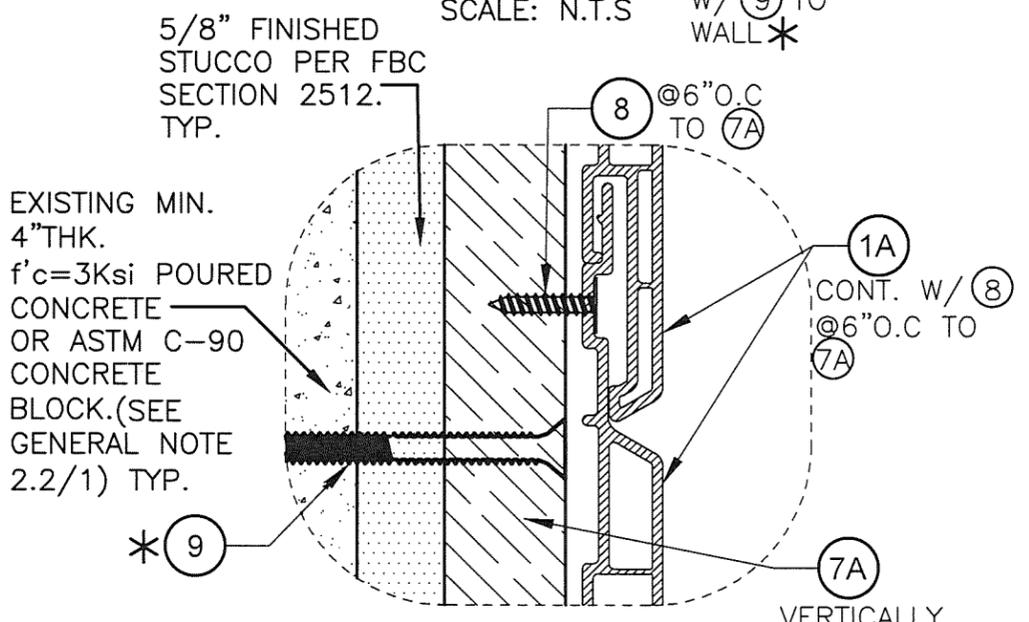
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)		W.H. DRAWN BY:																			
©2023 TILTECO, INC.		CWS 6" DECORATIVE EXTERIOR WALL PANELS.																			
				10/31/2023 DATE:																	
TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33106 Phone: (305)871-1530 Fax: (305)871-1531 CA-0008719 WALTER A. TILL Jr. P.E. FLORIDA Lic. # 44167		10235-184 ST. NW EDMONTON, AB T5S 2J4																			
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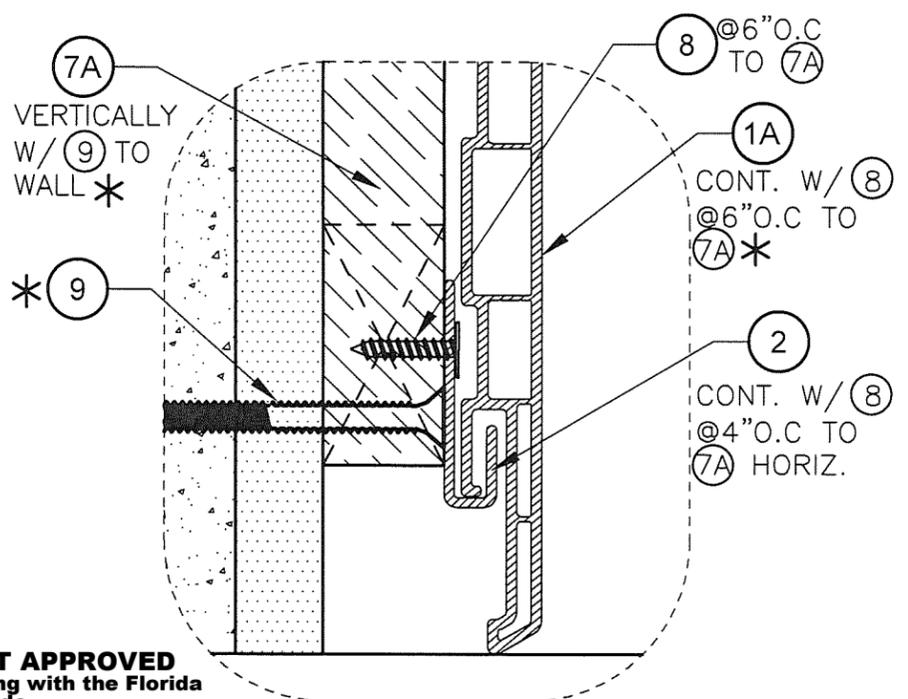
**SECTION D-D:**  
SCALE: N.T.S



**DETAIL 1**  
SCALE: N.T.S  
VERTICALLY W/ (9) TO WALL\*



**DETAIL 2**  
SCALE: N.T.S  
VERTICALLY W/ (9) TO WALL\*



**DETAIL 3**  
SCALE: N.T.S

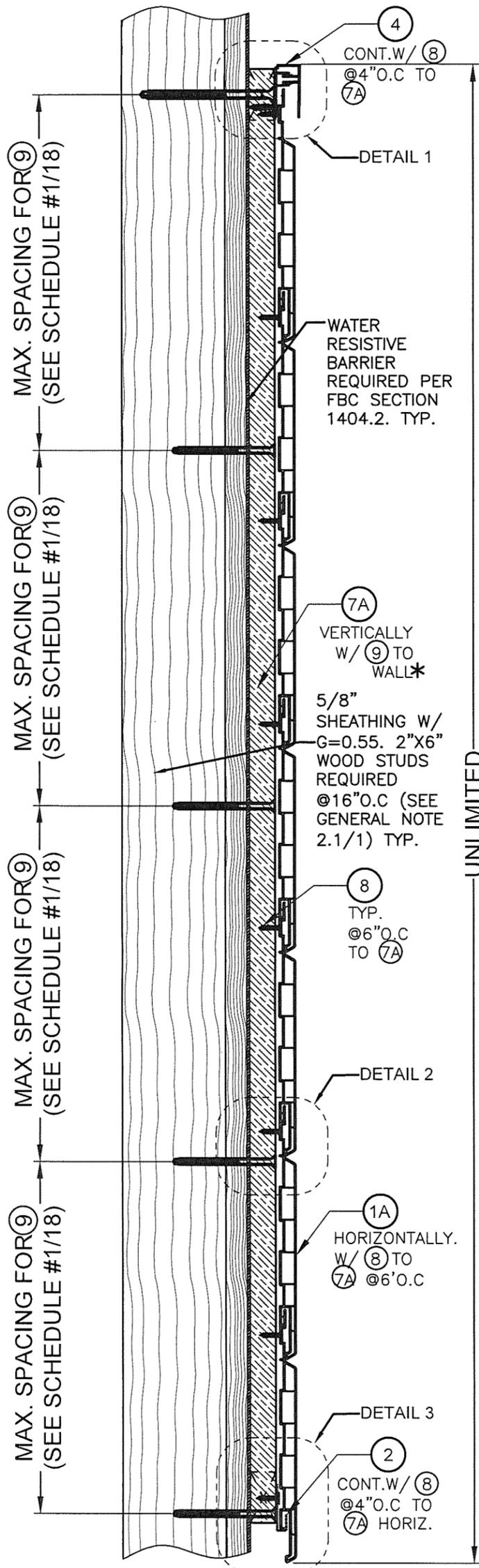
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NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control

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

\*SEE SCHEDULE #1  
ON SHEET 18 FOR  
MIN. SPACING OF (9)  
TO WALL SUBSTRATE.

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

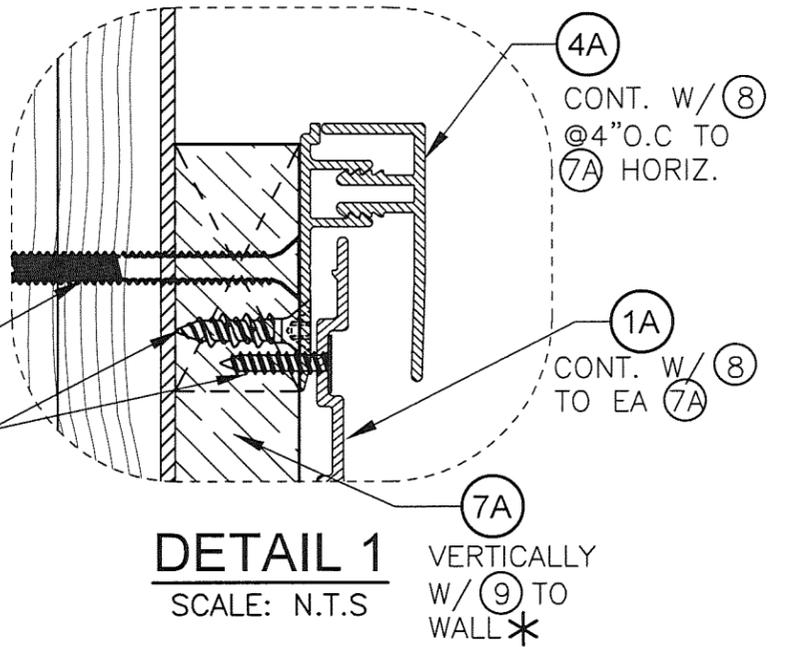
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
TILECO INC.				CWS 6" WALL PANEL	
<b>TILECO INC.</b> <small>TILLIT TESTING &amp; ENGINEERING COMPANY            6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33168            Phone: (305)871-1530 Fax: (305)871-1531            CA-0006719            WALTER A. TILLIT JR. P.E.            FLORIDA Lic. # 44167</small>				<b>ChamClad</b> <small>by Chameleon            10235-184 ST. NW            EDMONTON, AB T5S 2J4</small>	
<small>©2023 TILTECO, INC.</small>		<small>W.H. DRAWN BY:</small> 10/31/2023 <small>DATE:</small>		22-063 <small>DRAWING No.</small>	
<small>REV. NO.</small>	<small>DESCRIPTION</small>	<small>DATE</small>	<small>REV. No.</small>	<small>DESCRIPTION</small>	<small>DATE</small>
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2			4		
SHEET 9 OF 18					



**SECTION D-D:**  
SCALE: N.T.S.

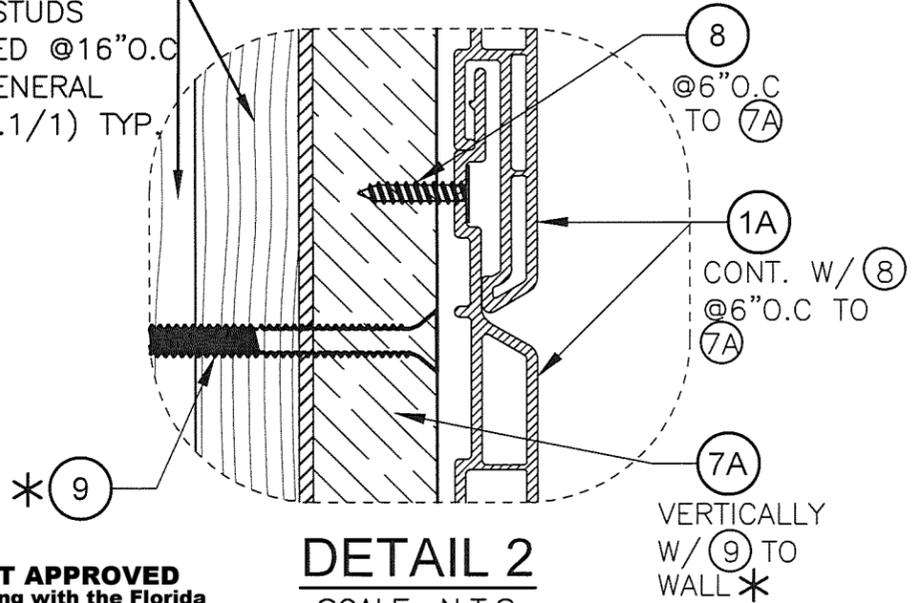
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By *[Signature]*  
Miami-Dade Product Control

\* (9)  
(8)



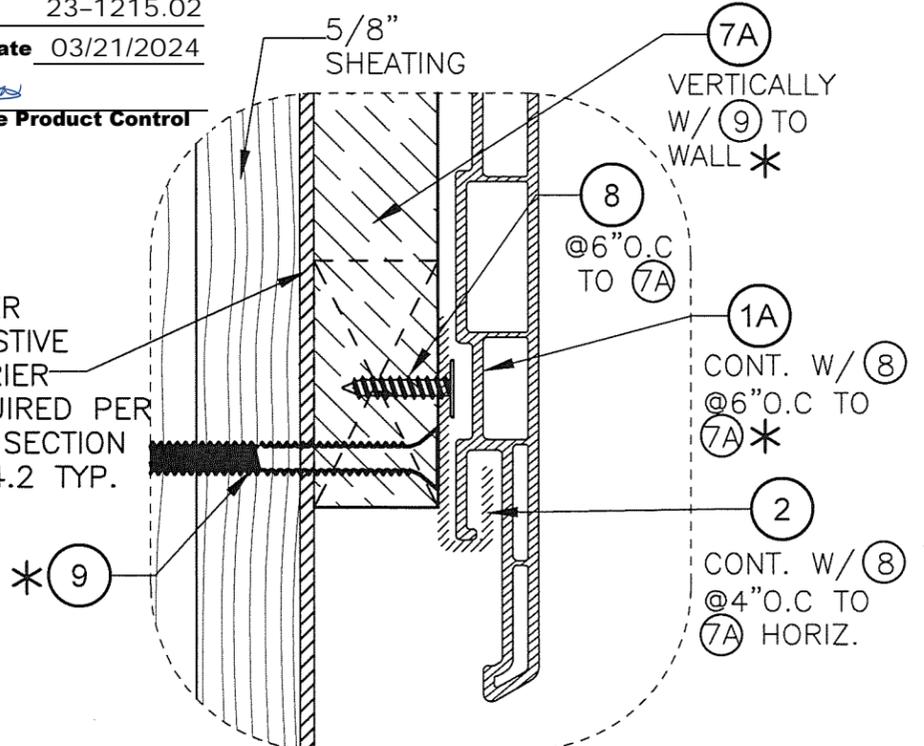
**DETAIL 1**  
SCALE: N.T.S. VERTICALLY  
W/ (9) TO  
WALL \*

5/8" SHEATHING  
W/G=0.55. 2"x6"  
WOOD STUDS  
REQUIRED @16"O.C  
(SEE GENERAL  
NOTE 2.1/1) TYP.



**DETAIL 2**  
SCALE: N.T.S. VERTICALLY  
W/ (9) TO  
WALL \*

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**DETAIL 3**  
SCALE: N.T.S.

# OPTIONAL SYSTEM #1: WOOD FRAME WALLS

\*SEE SCHEDULE #1  
ON SHEET 18 FOR  
MIN. SPACING OF (9)  
TO WALL SUBSTRATE.

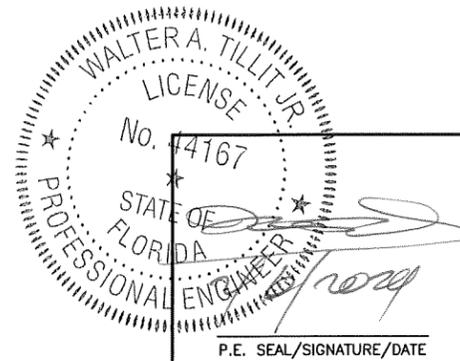
WALTER A. TILLIT JR.  
LICENSE  
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STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)				W.H.																			
©2023 TILTECO, INC.				DRAWN BY:																			
				CWS 6" WALL PANEL																			
				<b>ChamClad</b> by Chameleon 10235-184 ST. NW EDMONTON, AB T5S 2J4																			
<small>TILLIT TESTING &amp; ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33186 Phone: (305)871-1530 Fax: (305)871-1531 CA-0006719 WALTER A. TILLIT JR. P.E. FLORIDA Lic. # 44167</small>		<table border="1"> <thead> <tr> <th>REV. NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>4</td> <td></td> <td></td> </tr> </tbody> </table>		REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE	1			3			2			4			10/31/2023 DATE: <b>22-063</b> DRAWING No. SHEET 9A OF 18	
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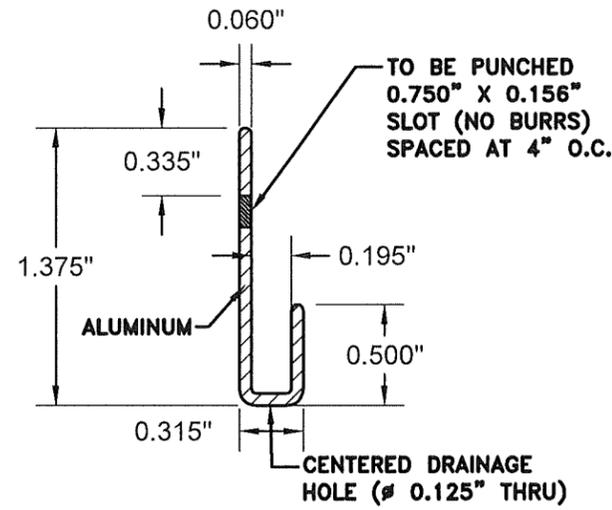
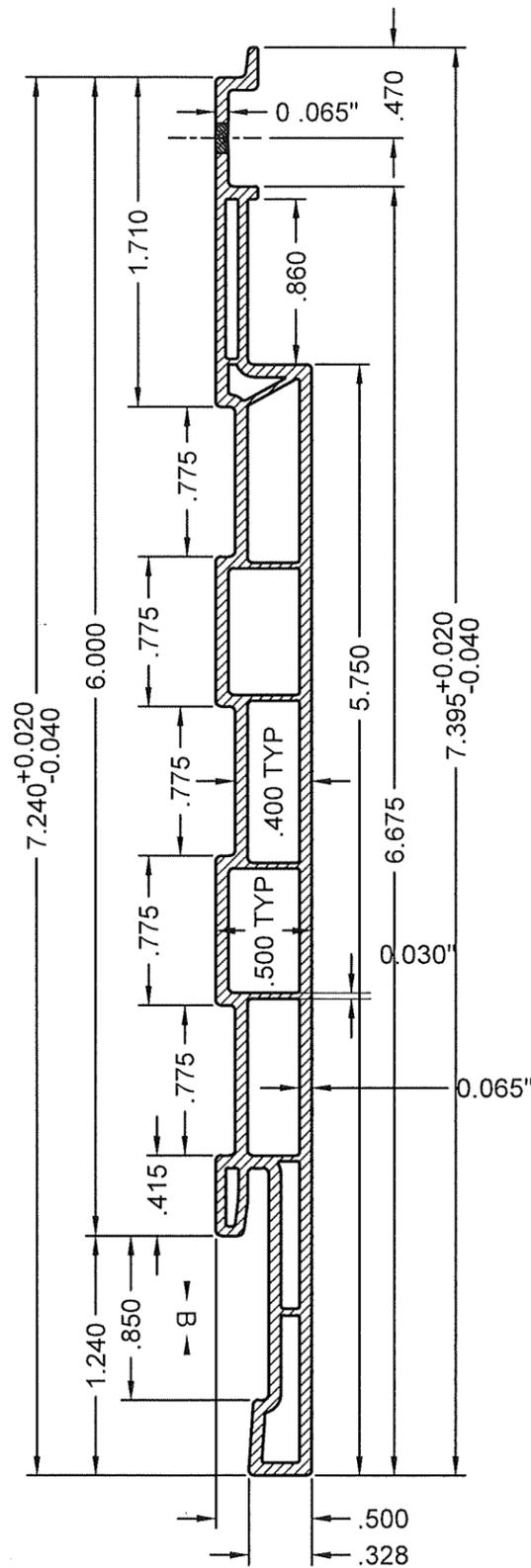
**BILL OF MATERIALS**  
**OPTIONAL SYSTEM #2 W/WALL PANEL (1B)**

COMPONENT No.	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1B	CWS 6" EXTERIOR 1/2" WALL PANEL	SEE COMPONENT DETAIL	COMPOSITE 100% RECYCLE PVC by ChamClad Chameleon	ChamClad by Chameleon	CLADDING PLANK
2	EXTERIOR STARTER STRIP	SEE COMPONENT DETAIL	6063-T5 ALUMINUM ALLOY	ChamClad by Chameleon	ACCESSORY TO FIX 1B TO 7A AT BOTTOM EDGE OF HORIZONTAL 1B W/ 8
4	6" SIDING 2 PC FINISH TRIM	SEE COMPONENT DETAIL	6063-T5 ALUMINUM (COVER) REGRIND RECYCLED PVC (BASE)	ChamClad by Chameleon	ACCESSORY TRIM ORIENTED PARALLEL OR PERPENDICULAR TO 1B AT END CONNECTED TO 7A W/ 8 (SEE ELEVATION).
6	H-TRIM BASE & COVER CAP	SEE COMPONENT DETAIL	REGRIND RECYCLED PVC BASE + COVER	ChamClad by Chameleon	ACCESSORY TRIM ORIENTED PERPENDICULAR TO 1B AT END CONNECTED TO 7B W/ 8
7A	WOOD FURRING	1" X 2" (NOMINAL)	SOUTHERN YELLOW PINE #2 P.T. WOOD	-	SUPPORT FOR 1B FIXED TO EXISTING STRUCTURE W/ 9
7B	WOOD FURRING FOR 6	1" X 4" (NOMINAL)	SOUTHERN YELLOW PINE #2 P.T. WOOD	-	SUPPORT FOR 1B FIXED TO EXIST. STRUCTURE W/ 9
8	FLAT HEAD TEK SCREW	#8 X 3/4"	AISI 304 STAINLESS STEEL	ITW/BUILDEX	USE TO CONNECT 1B OR ACCESSORIES TO 7A & 7B COUNTERSUNK AS NEEDED
8A	FLAT HEAD TEK SCREW	#8 X 1 1/4"	AISI 304 STAINLESS STEEL	ITW/BUILDEX	USE TO CONNECT 1B TO 7A AT DETAIL 3/SHT. 5 COUNTERSUNK AS NEEDED
9	FASTENERS	1/4"Ø FLAT HEAD ULTRACON SS4	AISI 410 STAINLESS STEEL	DEWALT.	USE TO CONNECT 7A & 7B TO EXISTING CONCRETE, BLOCK OR WOOD STUD WALL.
10A	EXTERIOR PROTECTIVE FILM RENOLITE EXOFOL FX.	TOTAL THICKNESS=0.17-0.18mm	MULTILAYER FILM.TENSILE STRESS @ BREAK=15 MPa	RENOLIT	UV RESISTANT.
10B	EXTERIOR PROTECTIVE FILM COOL COLORS PLUS.	TOTAL THICKNESS=0.215mm	ACRYLIC FILM. TENSILE STRENGTH=20MPa.	CONTINENTAL	UV RESISTANT.

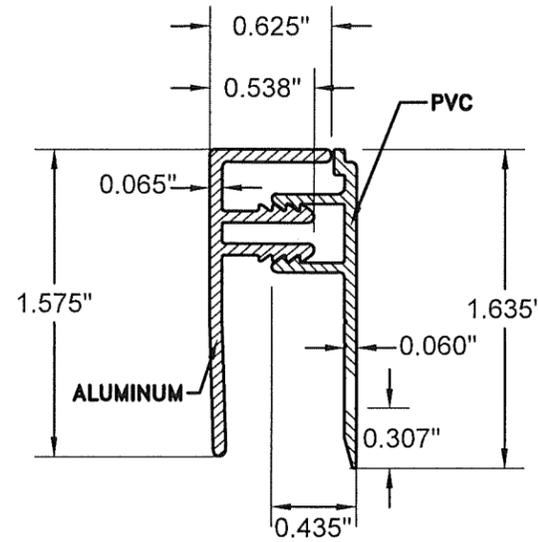
**PRODUCT APPROVED**  
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Approval Date 03/21/2024  
By   
Miami-Dade Product Control



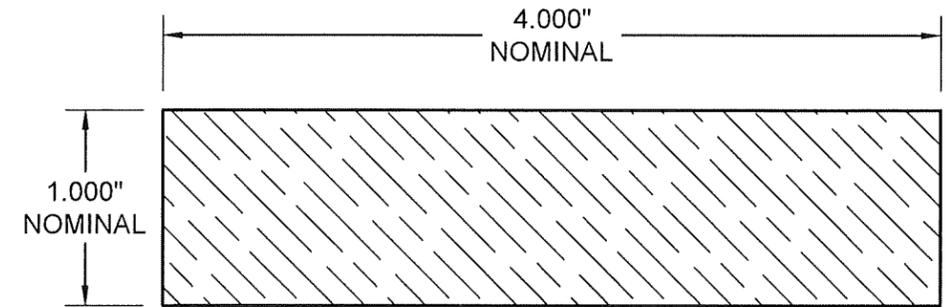
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)		W.H. DRAWN BY:	
©2023 TILTECO, INC.		CWS 6" DECORATIVE EXTERIOR WALL PANELS.	
<b>TILTECO inc.</b>		<b>ChamClad</b> by Chameleon	
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 Fax: (305)871-1331 CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167		10235-184 ST. NW EDMONTON, AB T5S 2J4	
REV. No	DESCRIPTION	DATE	REV. No
1			3
2			4
DATE		DATE	
		22-063	
		DRAWING No.	
		SHEET 10 OF 18	



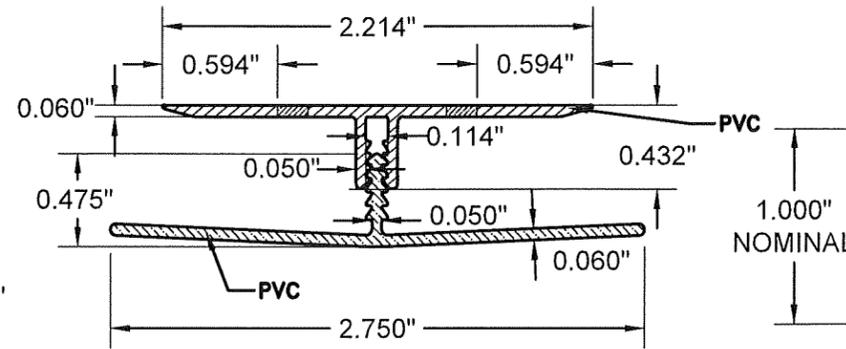
② EXTERIOR STARTER STRIP



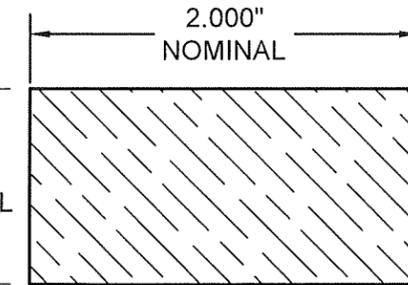
④ 6" SIDING 2 PC FINISH TRIM



⑦B WOOD FURRING FOR ⑥



⑥ H-TRIM BASE & COVER CAP



⑦A WOOD FURRING

①B CWS 6" EXTERIOR 1/2" WALL PANEL W/⑩A OR ⑩B

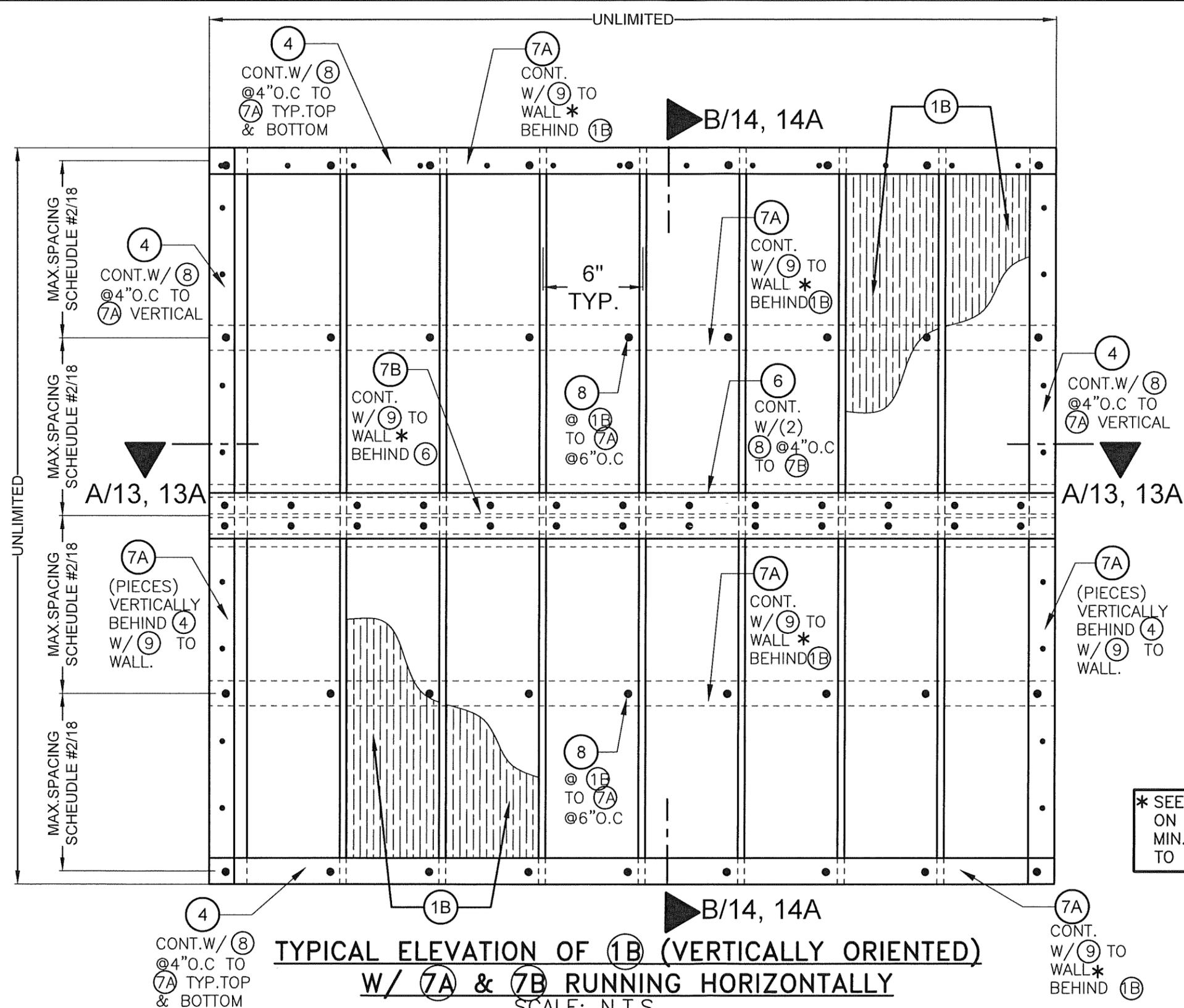
**PRODUCT APPROVED**  
as complying with the Florida Building Code  
NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control

WALTER A. TILLIT JR.  
LICENSE  
No. 44167  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
*[Signature]*  
P.E. SEAL/SIGNATURE/DATE

**COMPONENTS**  
**OPTIONAL SYSTEM #2 W/ ①B**

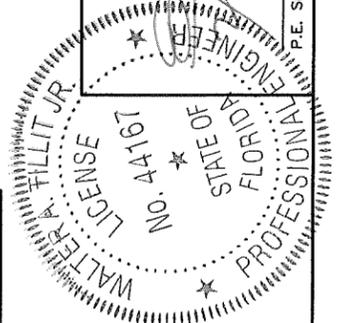
SCALE: N.T.S

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)		W.H. DRAWN BY:	
©2023 TILTECO, INC.		CWS 6" DECORATIVE EXTERIOR WALL PANELS.	
<b>TILTECO inc.</b>		<b>ChamClad</b> by Chameleon	
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		10235-184 ST. NW EDMONTON, AB T5S 2J4	
REV. No	DESCRIPTION	DATE	REV. No
1			3
2			4
DATE		DATE	
		22-063	
		DRAWING No.	
		SHEET 11 OF 18	



\* SEE SCHEDULE #1 ON SHEET 18 FOR MIN. SPACING OF 9 TO WALL SUBSTRATE.

**TYPICAL ELEVATION OF 1B (VERTICALLY ORIENTED)  
W/ 7A & 7B RUNNING HORIZONTALLY**  
SCALE: N.T.S.  
**OPTIONAL SYSTEM #2: INSTALLATION INTO WOOD FRAME  
OR CONCRETE/MASONRY WALLS.**



**PRODUCT APPROVED**  
as complying with the Florida Building Code  
NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

CWS 6" WALL PANEL

**ChamClad**  
by Chameleon

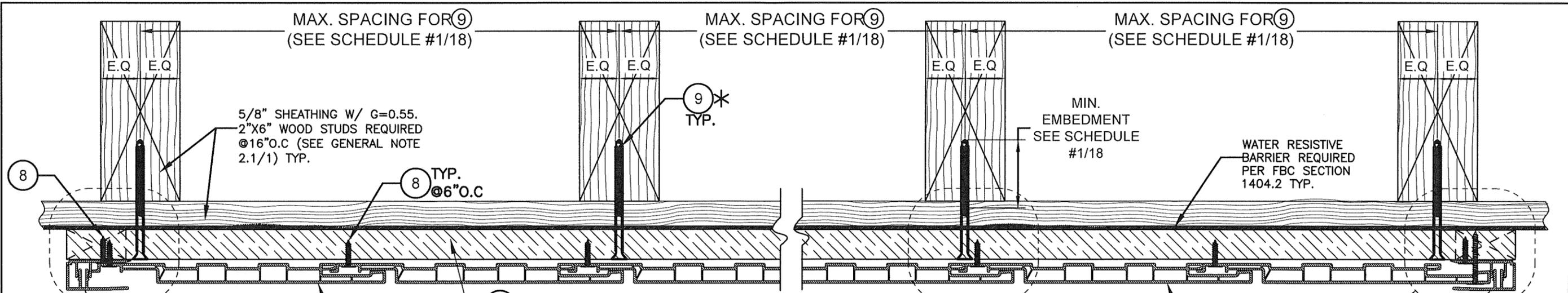
10235-184 ST. NW  
EDMONTON, AB T5S 2J4

©2023 TILTECO, INC.  
**TILTECO inc.**  
TILIT TESTING & ENGINEERING COMPANY  
6335 N.W. 36th St., Ste. 305, Virginia Gardens, FL 33166  
Phone: (305) 971-1531 Fax: (305) 971-1531  
WALTER A. TULLIT JR., P.E.  
FLORIDA Lic. # 44167

REV. NO.	DESCRIPTION	DATE
1		
2		
3		
4		

W.H. DRAWN BY: 10/31/2023 DATE: 22-063 DRAWING NO. SHEET 12 OF 18





**SECTION A-A**  
SCALE: N.T.S

④ CONT.W/ ⑧ @4"O.C TO ⑦A VERTICAL

①B TYP. W/ ⑧ @6"O.C TO ⑦A

⑦A W/ ⑨ TO WALL\*

⑧ TYP. @6"O.C

⑨\* TYP.

④ CONT.W/ ⑧ @4"O.C TO ⑦A VERTICAL

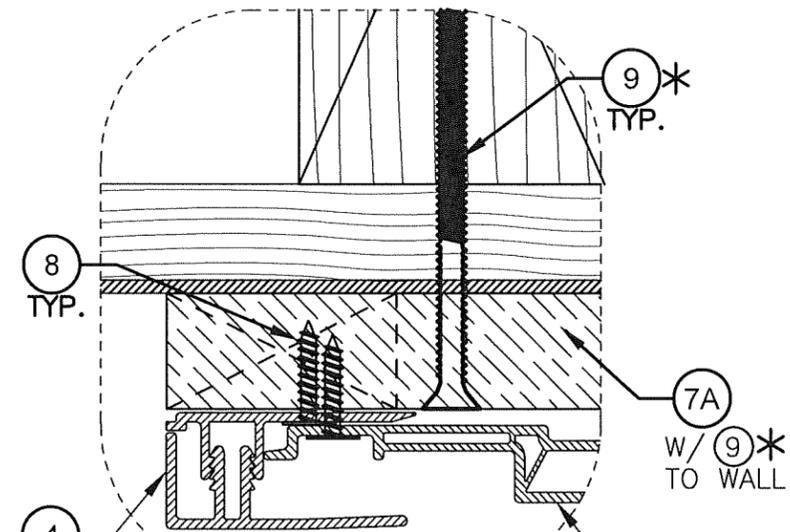
①B TYP. W/ ⑧ @6"O.C TO ⑦A

⑦A W/ ⑨ TO WALL\*

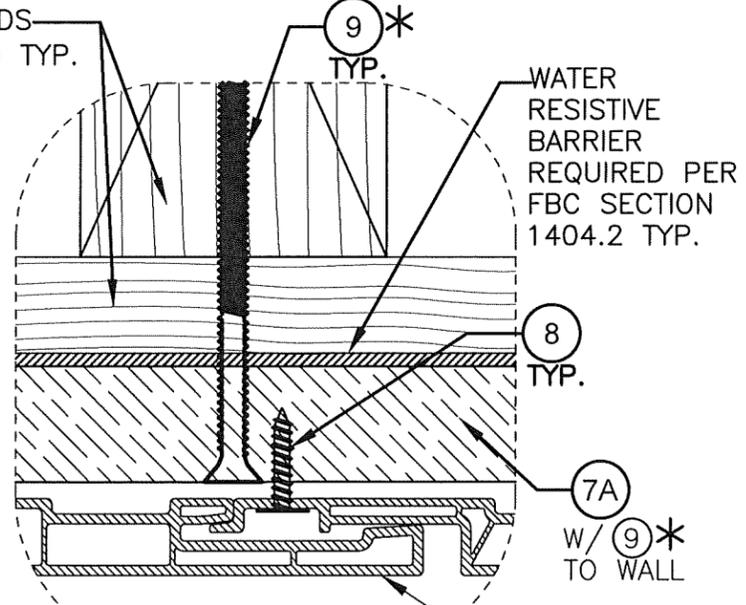
⑧ TYP.

⑨\* TYP.

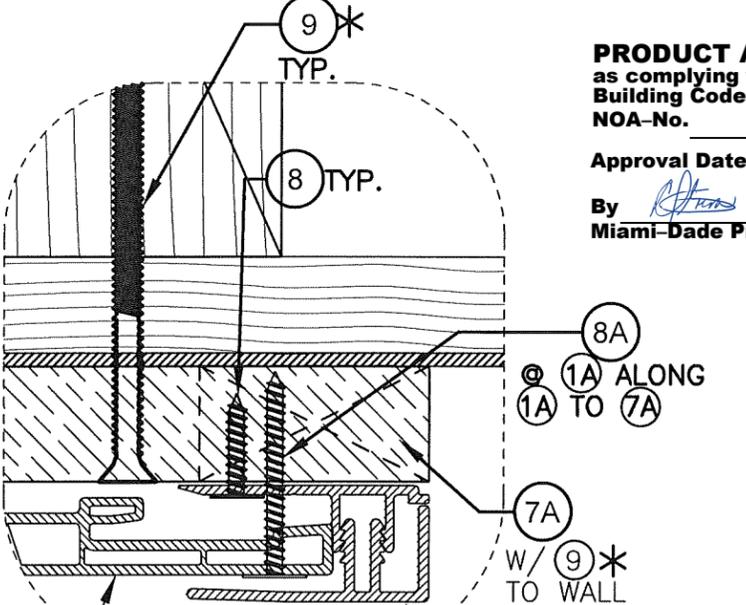
5/8" SHEATHING W/ G=0.55. 2"x6" WOOD STUDS REQUIRED @16"O.C (SEE GENERAL NOTE 2.1/1) TYP.



**DETAIL 1**  
SCALE: N.T.S



**DETAIL 2**  
SCALE: N.T.S

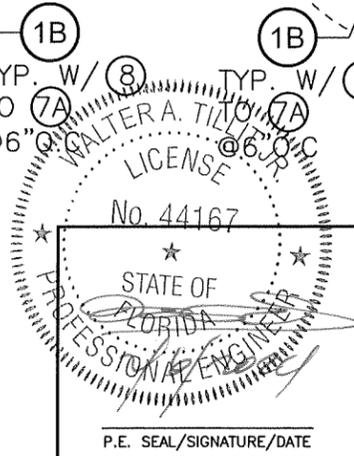


**DETAIL 3**  
SCALE: N.T.S

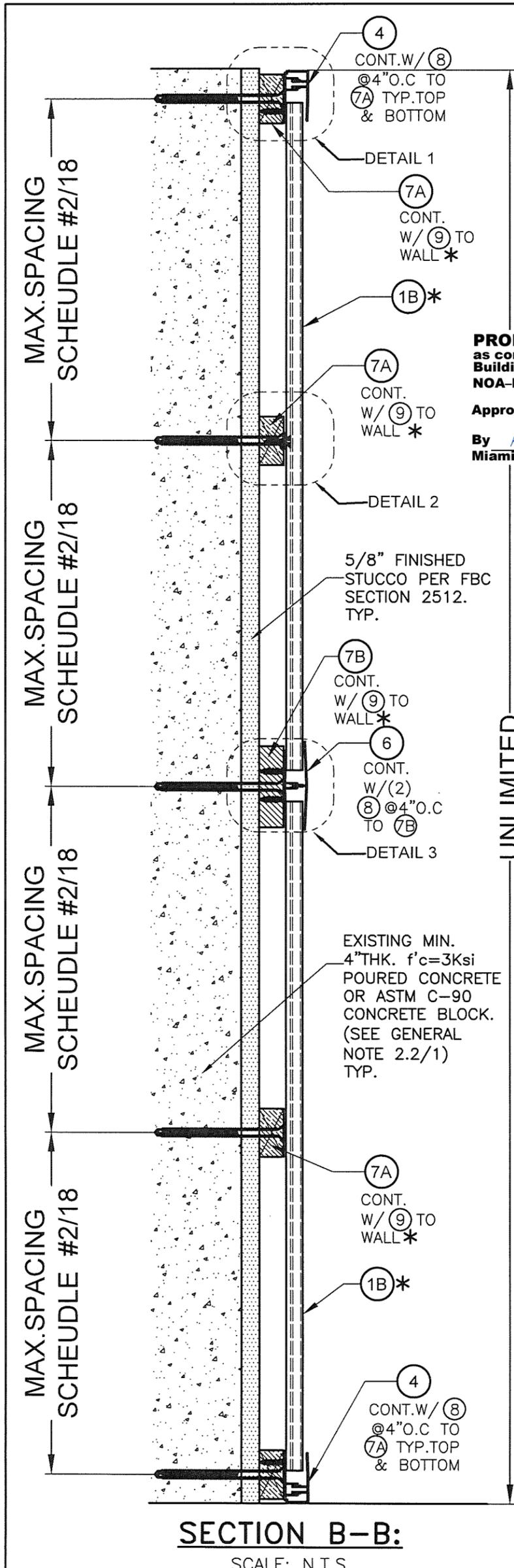
**PRODUCT APPROVED**  
as complying with the Florida Building Code  
NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control

\*SEE SCHEDULE #1 ON SHEET 18 FOR MIN. SPACING OF ⑨ TO WALL SUBSTRATE.

**OPTIONAL SYSTEM #2: WOOD FRAME WALLS**



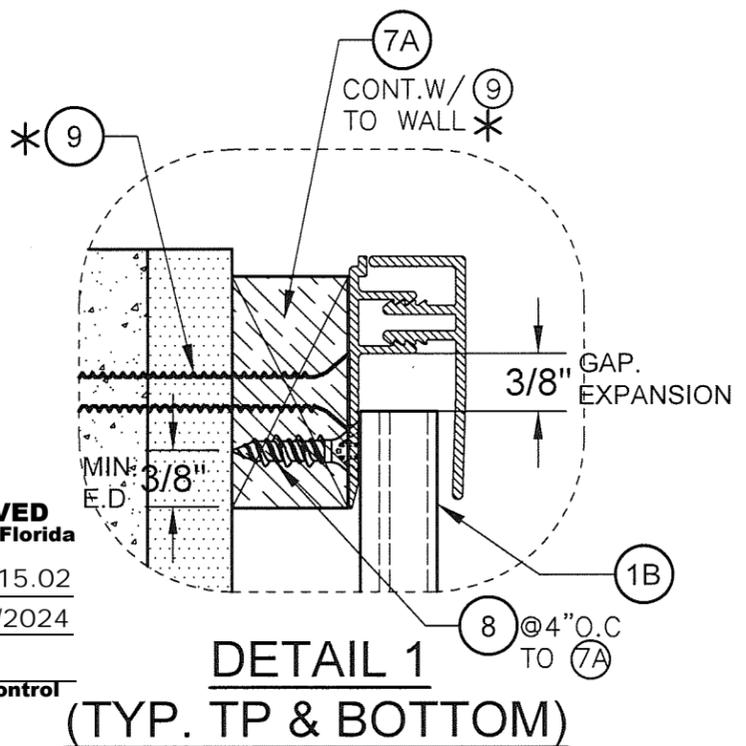
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)		W.H. DRAWN BY:																			
©2023 TILTECO, INC.		CWS 6" DECORATIVE EXTERIOR WALL PANELS.																			
				10/31/2023 DATE:																	
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, Virginia Gardens, FL 33166 Phone: (305)971-1530, Fax: (305)971-1531 CA-0006719 WALTER A. TILL Jr. P.E. FLORIDA Lic. # 44167		10235-184 ST. NW EDMONTON, AB T5S 2J4																			
P.E. SEAL/SIGNATURE/DATE		<b>22-063</b> DRAWING No.																			
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REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE																
1			3																		
2			4																		



**SECTION B-B:**  
SCALE: N.T.S

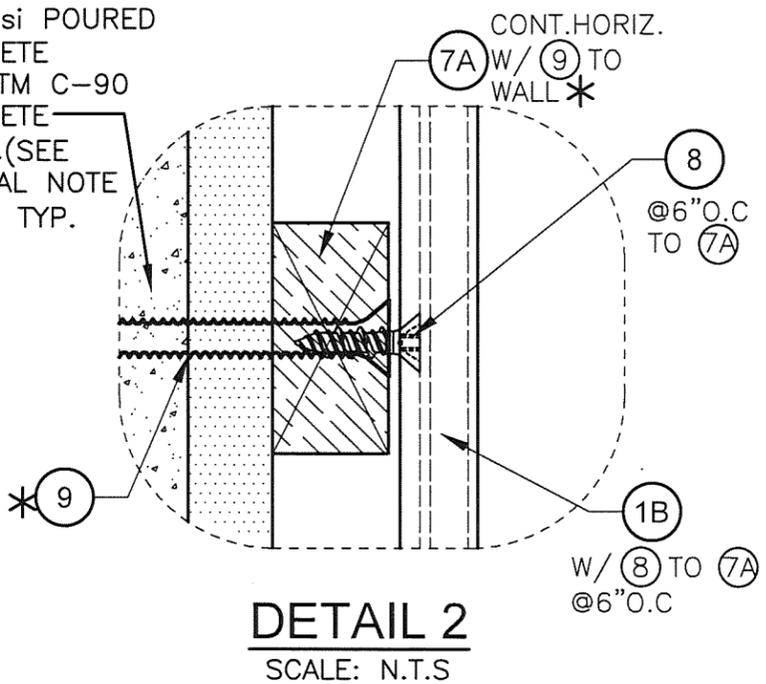
**PRODUCT APPROVED**  
as complying with the Florida  
Building Code  
NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control

UNLIMITED

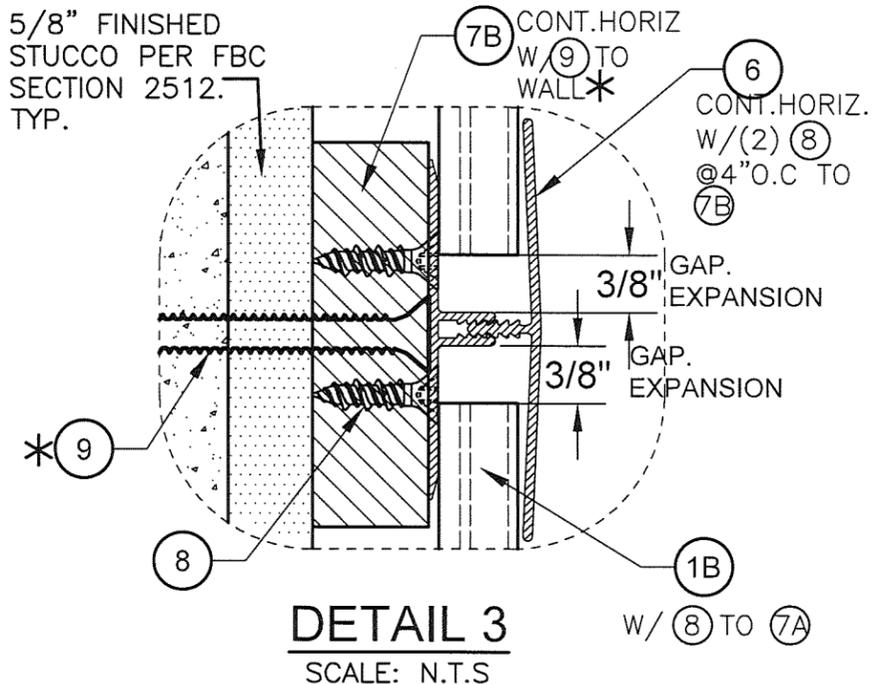


**DETAIL 1**  
(TYP. TP & BOTTOM)  
SCALE: N.T.S

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



**DETAIL 2**  
SCALE: N.T.S



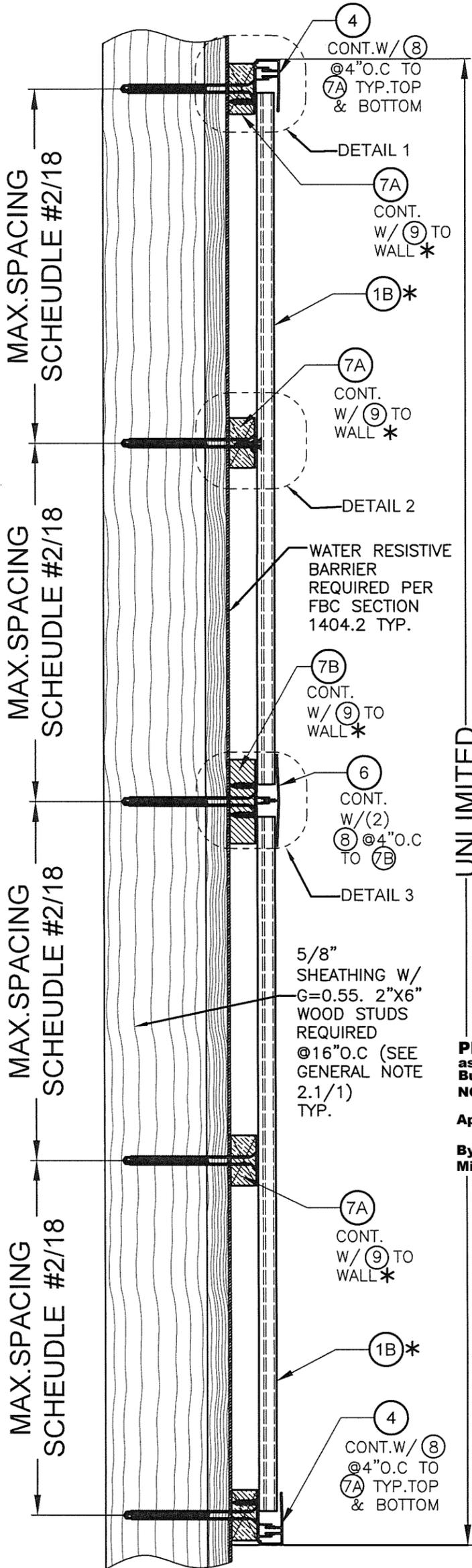
**DETAIL 3**  
SCALE: N.T.S

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

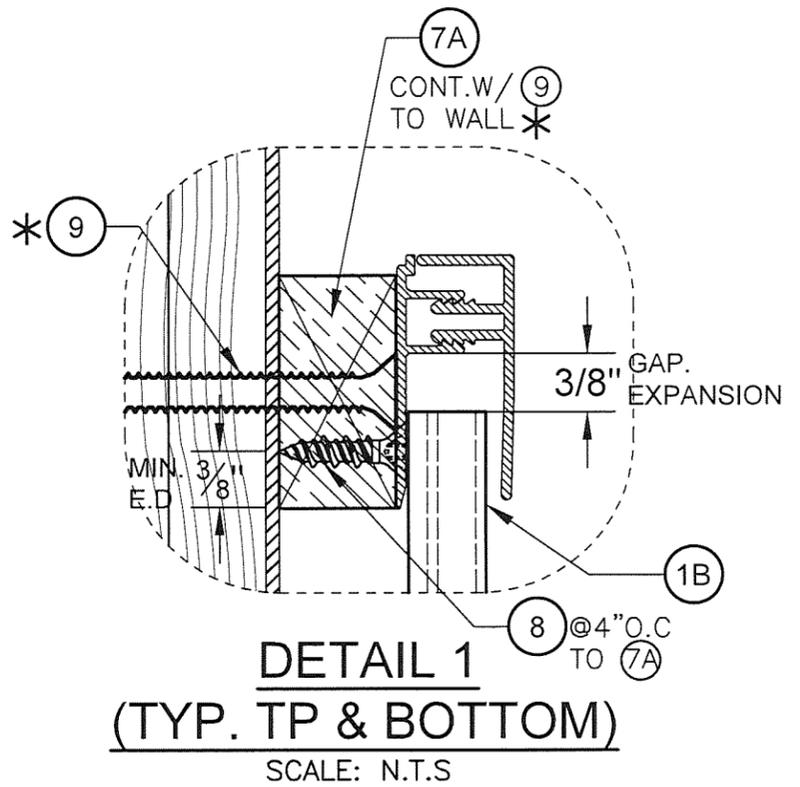
\*SEE SCHEDULE #1  
ON SHEET 18 FOR  
MIN. SPACING OF 9  
TO WALL SUBSTRATE.

WALTER A. TILLIT JR.  
LICENSE  
No. 44167  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
*[Signature]*  
P.E. SEAL/SIGNATURE/DATE

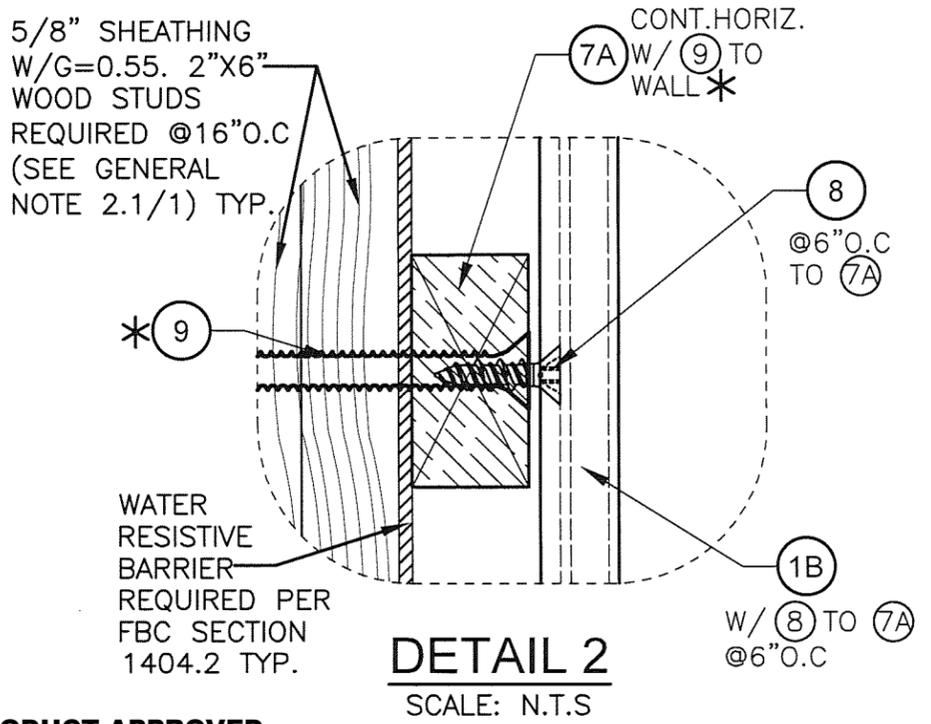
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)			
©2023 TILTECO, INC.		CWS 6" WALL PANEL	
<b>TILTECO inc.</b>		<b>ChamClad</b> by Chameleon	
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33156 Phone: (305)871-1530 Fax: (305)871-1531 CA-0006719		10235-184 ST. NW EDMONTON, AB T5S 2J4	
REV. NO	DESCRIPTION	DATE	REV. NO
1			3
2			4
WALTER A. TILLIT JR. P.E. FLORIDA Lic. # 44167		W.H. DRAWN BY: 10/31/2023 DATE: <b>22-063</b> DRAWING No.	
SHEET 14 OF 18			



**SECTION B-B:**  
SCALE: N.T.S



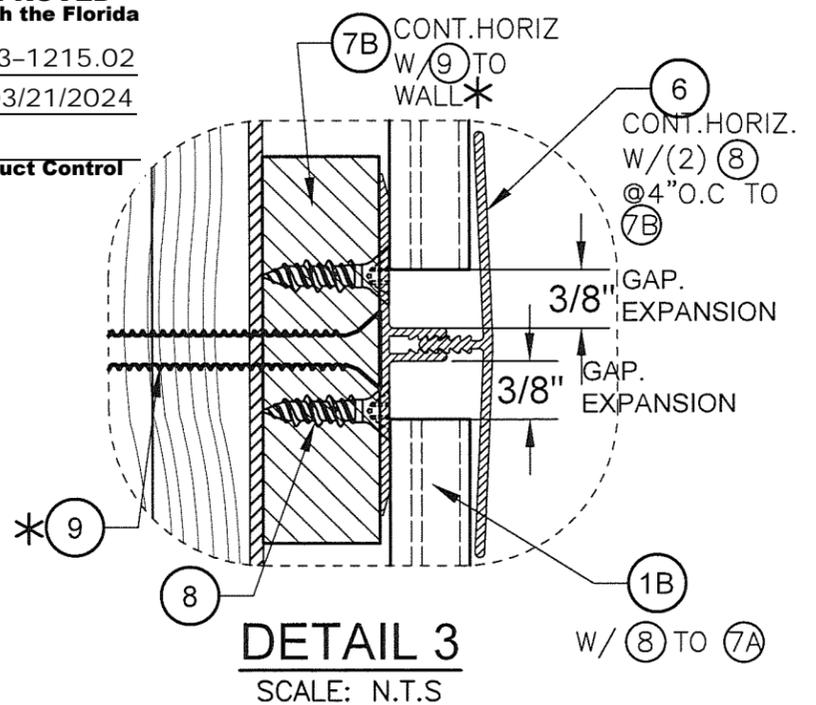
**DETAIL 1**  
**(TYP. TP & BOTTOM)**  
SCALE: N.T.S



**DETAIL 2**  
SCALE: N.T.S

UNLIMITED

**PRODUCT APPROVED**  
as complying with the Florida  
Building Code  
NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control



**DETAIL 3**  
SCALE: N.T.S

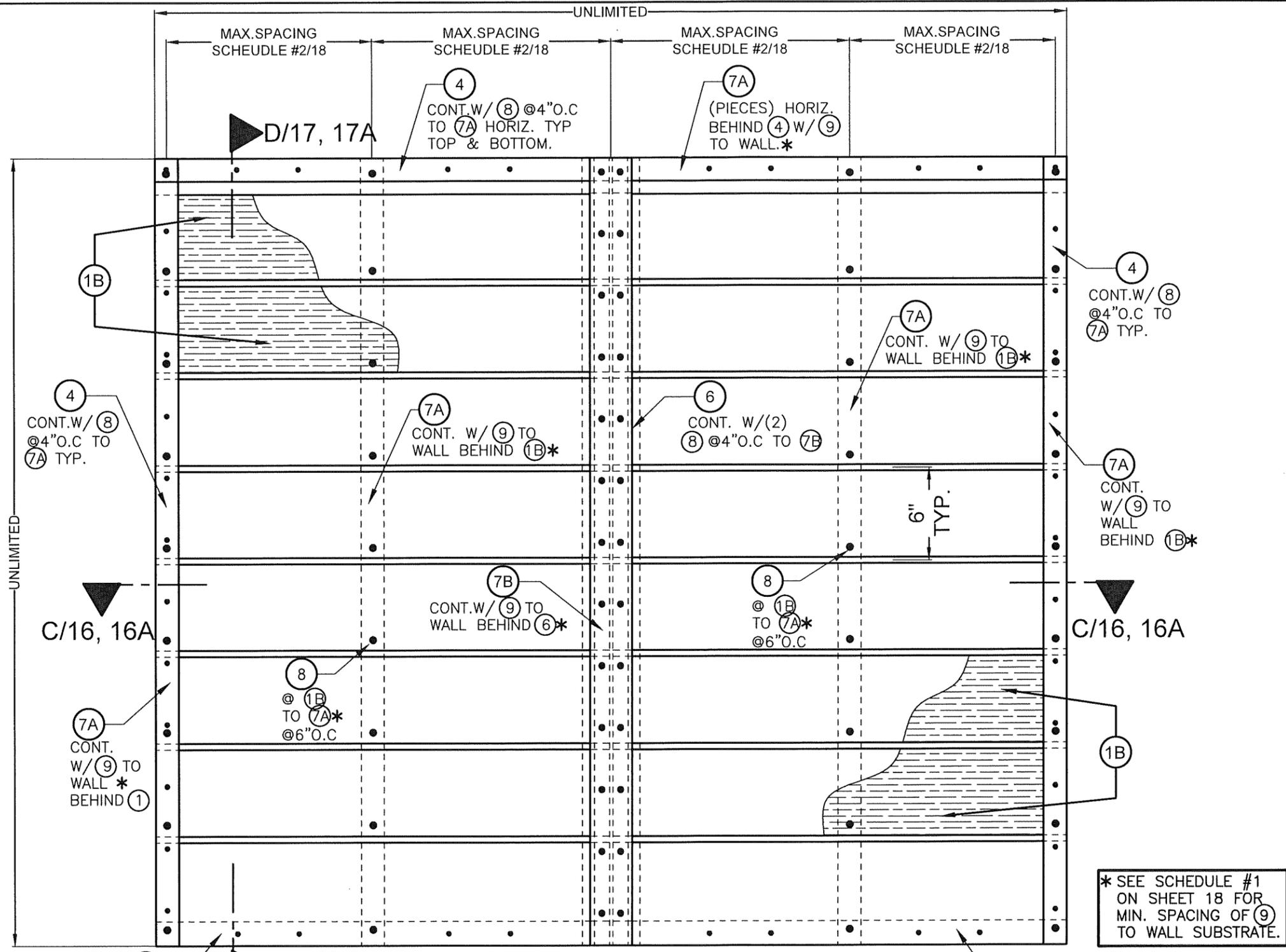
**OPTIONAL SYSTEM #2:**  
**WOOD FRAME WALLS**

\* SEE SCHEDULE #1  
ON SHEET 18 FOR  
MIN. SPACING OF (9)  
TO WALL SUBSTRATE.

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

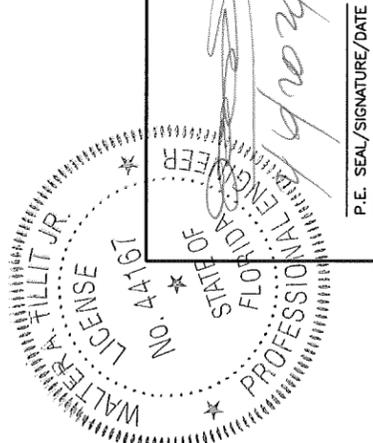
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

©2023 TILTECO, INC.		CWS 6" WALL PANEL		W.H.	
 <small>TILLIT TESTING &amp; ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33156 Phone: (305)871-1530 Fax: (305)871-1531 CA-0006719</small>		<b>ChamClad</b> by Chameleon 10235-184 ST. NW EDMONTON, AB T5S 2J4		DRAWN BY:	
				10/31/2023 DATE:	
WALTER A. TILLIT JR., P.E. FLORIDA Lic. # 44167		REV. NO. DESCRIPTION DATE		22-063 DRAWING No.	
		1 3		SHEET 14A OF 18	
		2 4			



\* SEE SCHEDULE #1 ON SHEET 18 FOR MIN. SPACING OF (9) TO WALL SUBSTRATE.

**TYPICAL ELEVATION OF (1B) (HORIZONTALLY ORIENTED)**  
**W/ (7A) & (7B) RUNNING VERTICALLY**  
 SCALE: N.T.S.  
**OPTIONAL SYSTEM #2: INSTALLATION INTO WOOD FRAME OR CONCRETE/MASONRY WALLS.**



**PRODUCT APPROVED**  
 as complying with the Florida Building Code  
 NOA-No. 23-1215.02  
 Approval Date 03/21/2024  
 By *[Signature]*  
 Miami-Dade Product Control

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

CWS 6" WALL PANEL

**ChamClad**  
 by Chameleon

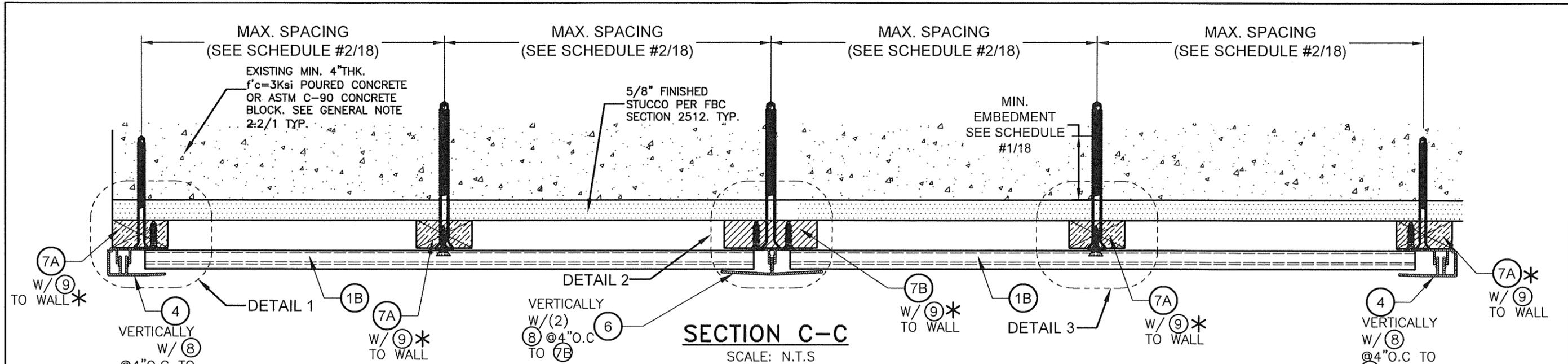
10235-184 ST. NW  
 EDMONTON, AB T5S 2J4

©2023 TILTECO, INC.

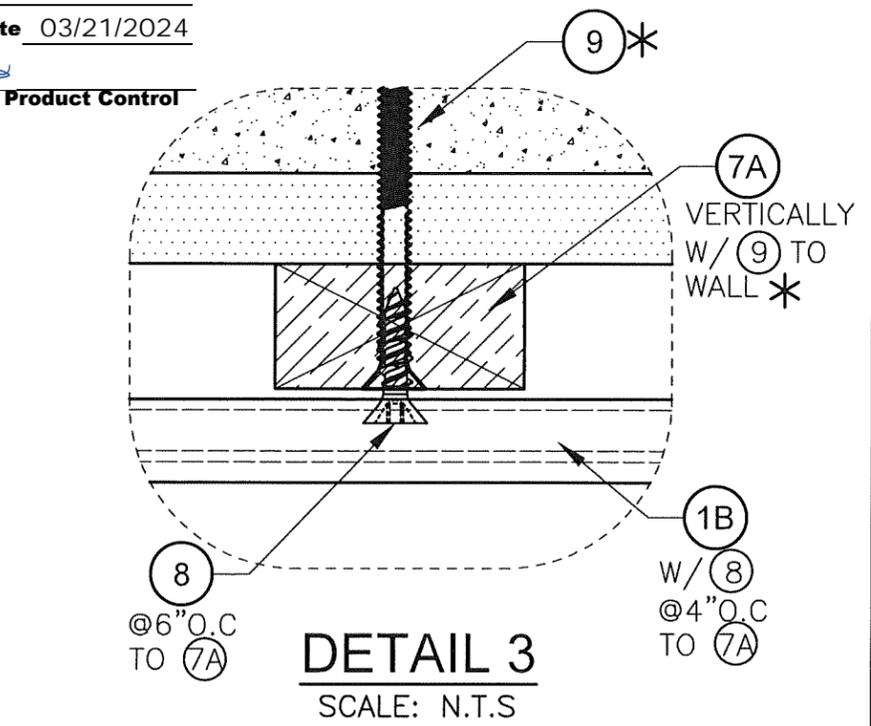
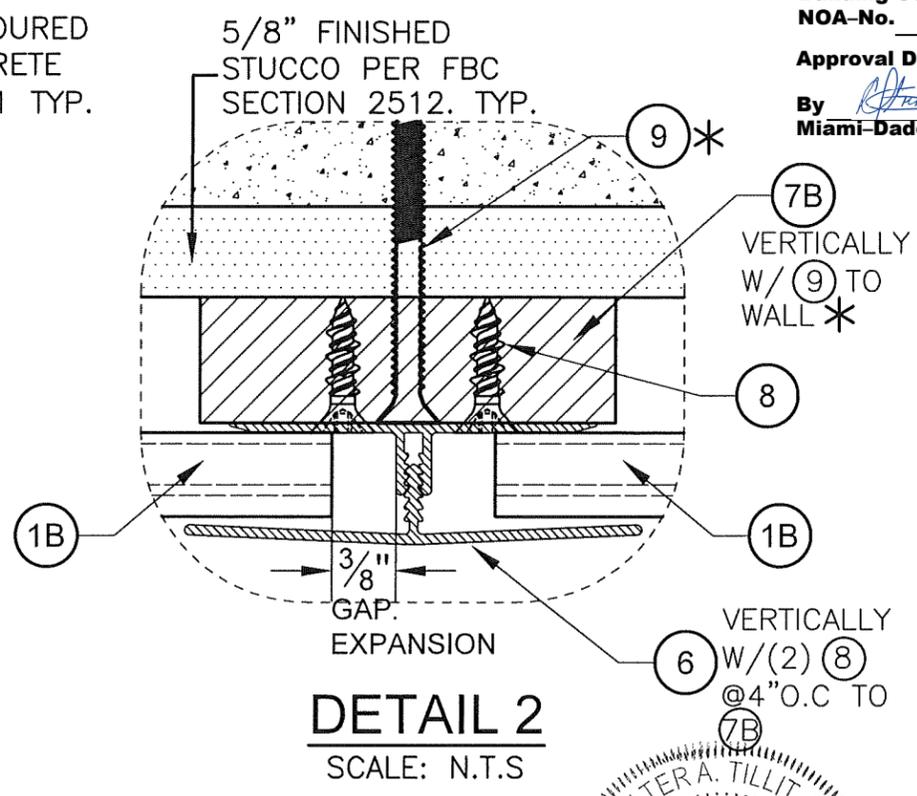
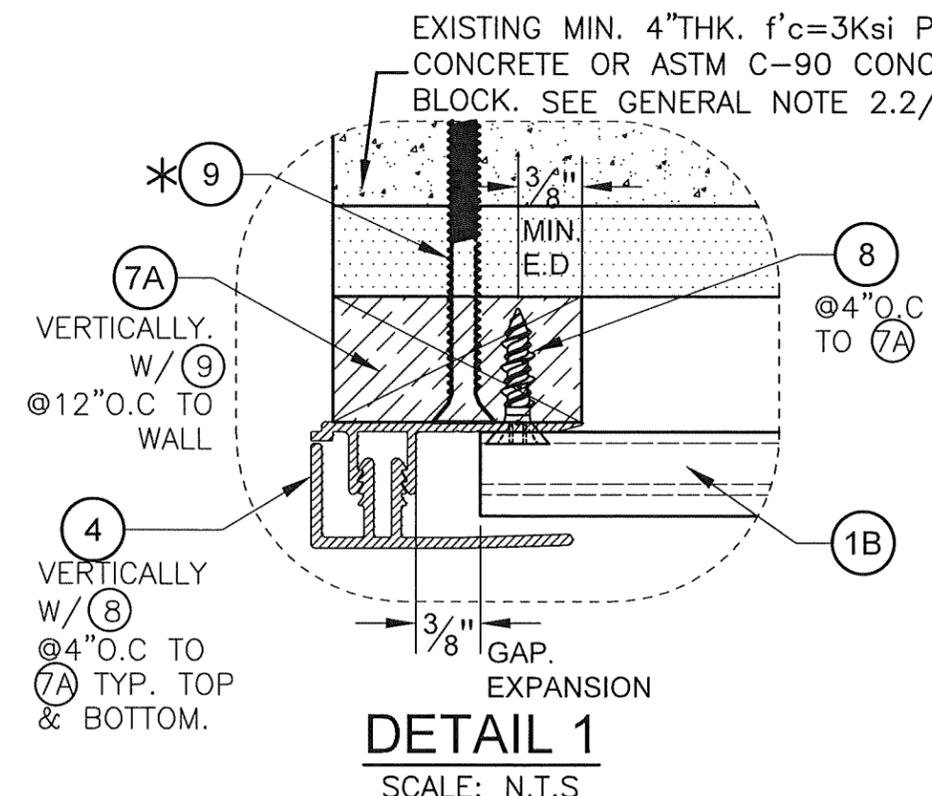
**TILTECO inc.**  
 TILIT TESTING & ENGINEERING COMPANY  
 6835 N.W. 39th St., Ste. 202, Virginia Gardens, FL 33166  
 Phone: (305) 871-1511 Fax: (305) 871-1511  
 WALTER A. TILIT, JR., P.E.  
 FLORIDA Lic. # 44167

W.H. DRAWN BY: 10/31/2023 DATE: 22-063 DRAWING NO. SHEET 15 OF 18

REV. NO.	DESCRIPTION	DATE
1		
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3		
4		



**PRODUCT APPROVED**  
 as complying with the Florida Building Code  
 NOA-No. 23-1215.02  
 Approval Date 03/21/2024  
 By *[Signature]*  
 Miami-Dade Product Control



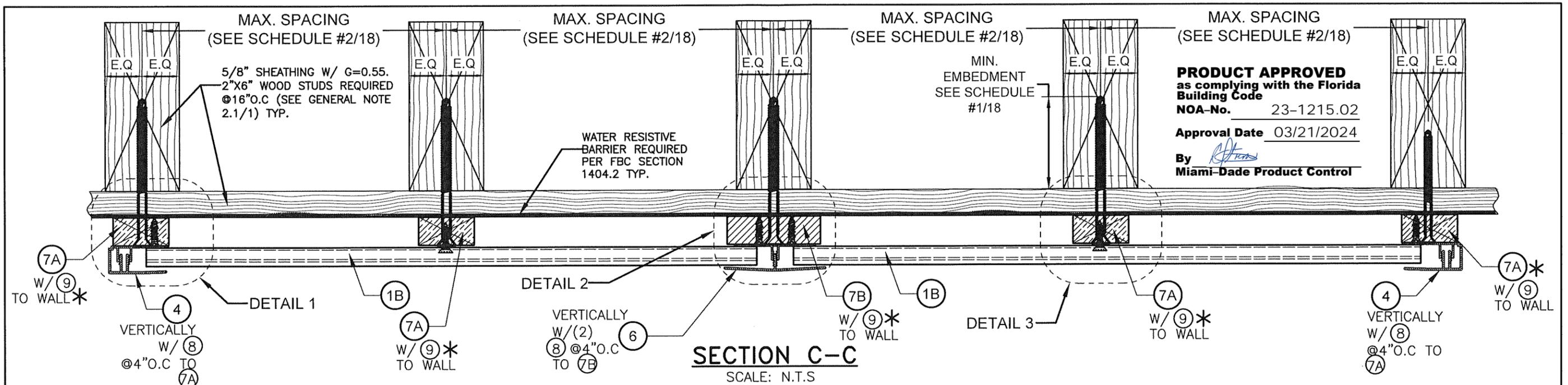
\*SEE SCHEDULE #1 ON SHEET 18 FOR MIN. SPACING OF (9) TO WALL SUBSTRATE.

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

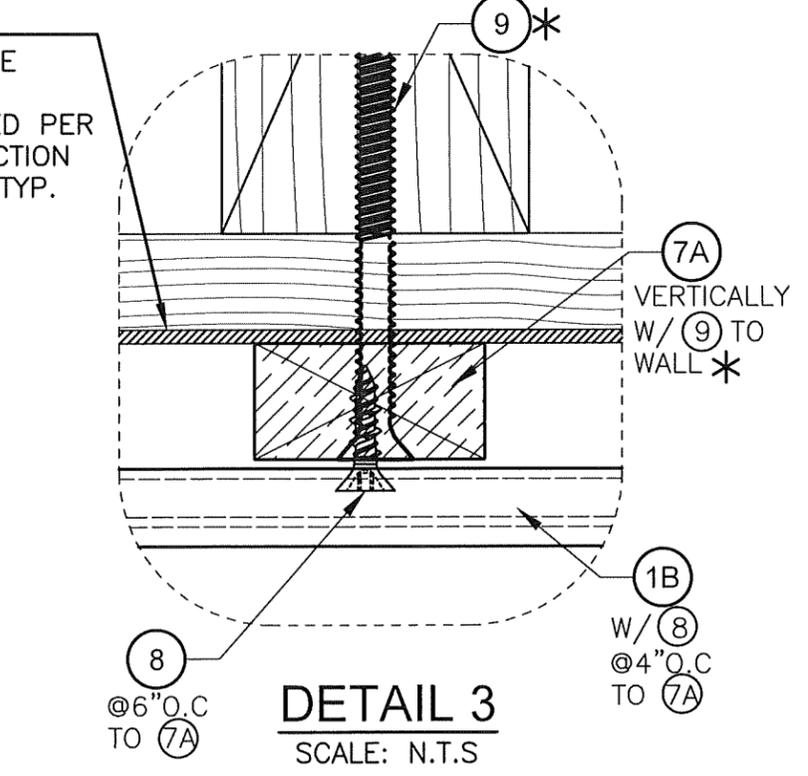
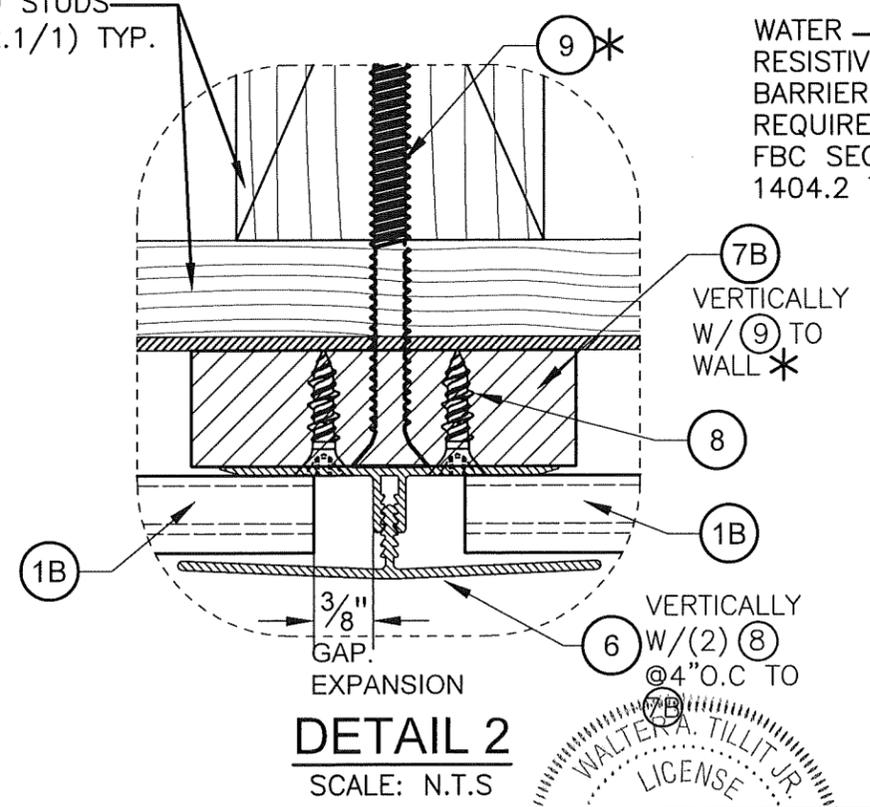
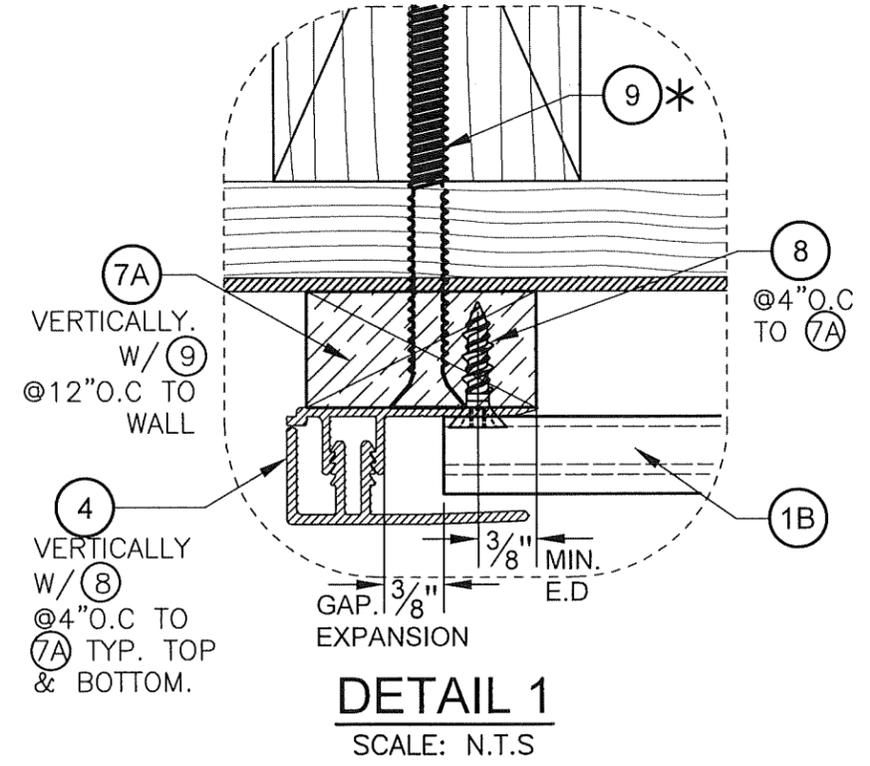
WALTER A. TILLIT JR.  
 LICENSE  
 No. 44167  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 P.E. SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)		CWS 6" DECORATIVE EXTERIOR WALL PANELS.		W.H. DRAWN BY:
©2023 TILTECO, INC.		<b>TILTECO inc.</b>		10/31/2023 DATE:
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33196 Phone: (305)871-1530 Fax: (305)871-1531		<b>ChamClad</b> by Chameleon 10235-184 ST. NW EDMONTON, AB T5S 2J4		<b>22-063</b> DRAWING No.
REV. NO	DESCRIPTION	DATE	REV. No	DATE
1			3	
2			4	

SHEET 16 OF 18



5/8" SHEATHING W/ G=0.55. 2"X6" WOOD STUDS REQUIRED @16"O.C (SEE GENERAL NOTE 2.1/1) TYP.

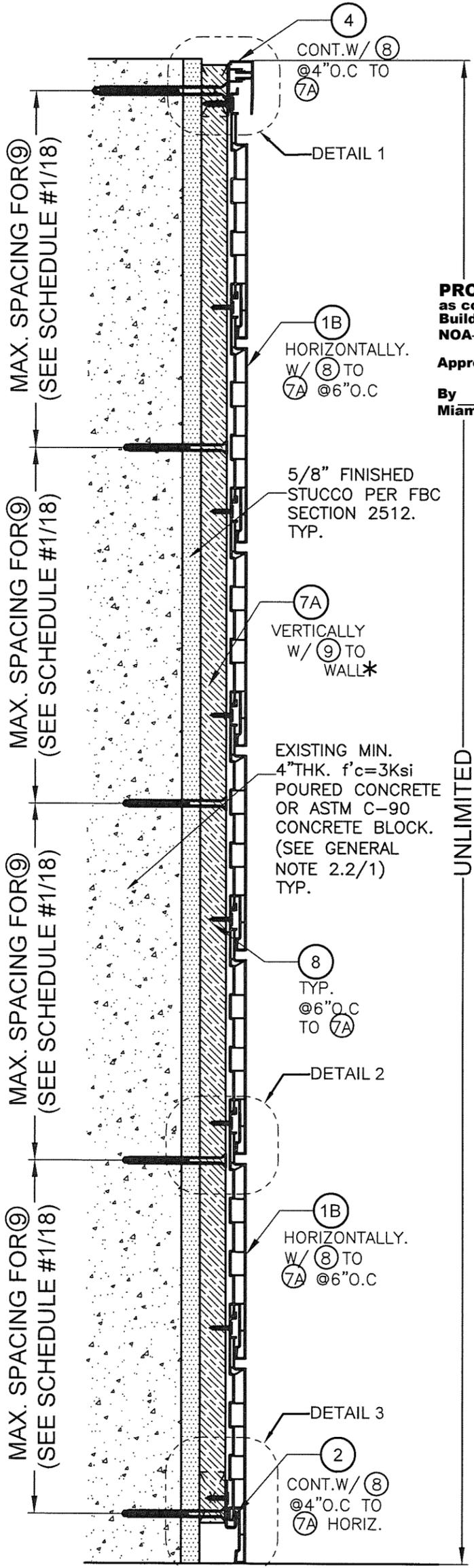


\*SEE SCHEDULE #1 ON SHEET 18 FOR MIN. SPACING OF (9) TO WALL SUBSTRATE.

**OPTIONAL SYSTEM #2: WOOD FRAME WALLS**

WALTER A. TILLIT JR.  
LICENSE  
NO. 44167  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
P.E. SEAL/SIGNATURE/DATE

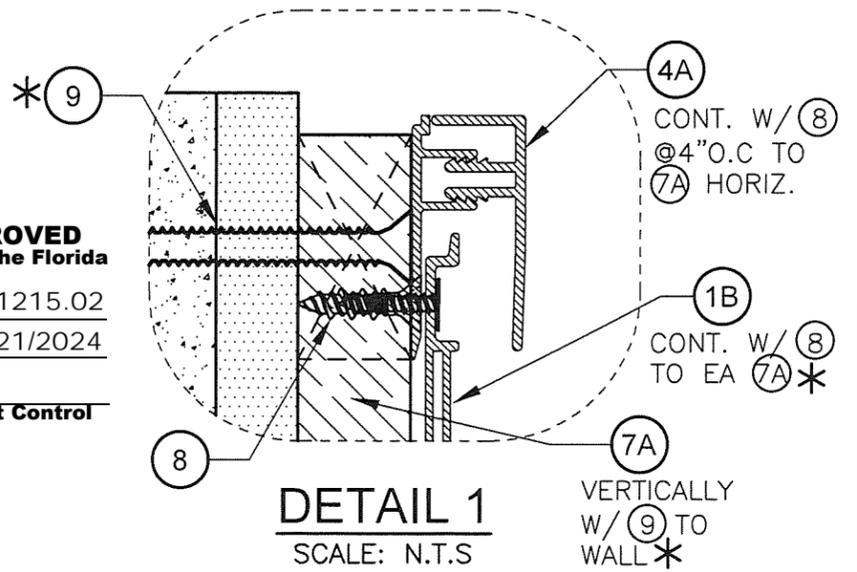
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE) ©2023 TILTECO, INC. <b>TILTECO inc.</b> <small>TILLIT TESTING &amp; ENGINEERING COMPANY          6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166          Phone: (305)871-1530 Fax: (305)871-1531          CA-0006719          WALTER A. TILLIT JR., P.E.          FLORIDA Lic. # 44167</small>		CWS 6" DECORATIVE EXTERIOR WALL PANELS. <b>ChamClad</b> by Chameleon 10235-184 ST. NW EDMONTON, AB T5S 2J4	W.H. DRAWN BY: 10/31/2023 DATE: <b>22-063</b> DRAWING No. SHEET 16A OF 18																	
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REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE															
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2			4																	



**SECTION D-D:**  
SCALE: N.T.S

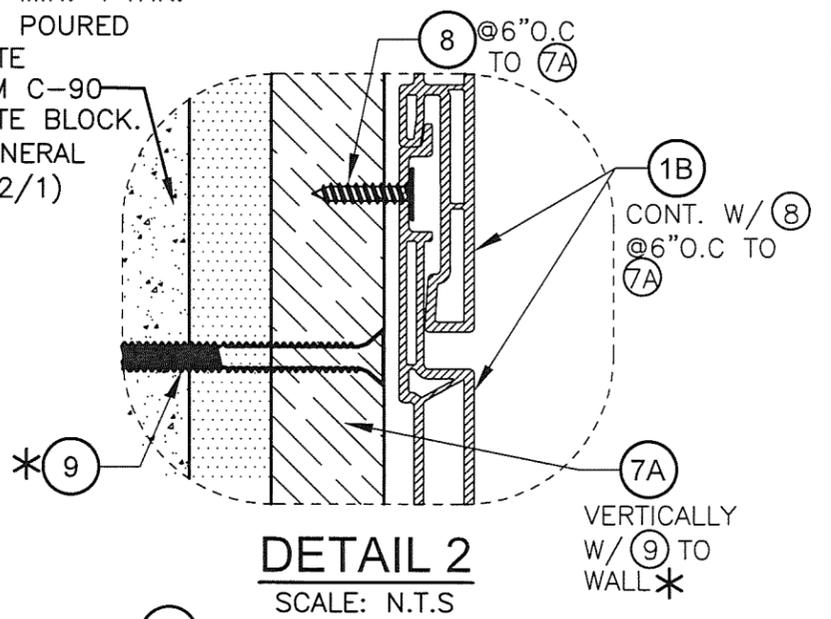
**PRODUCT APPROVED**  
as complying with the Florida  
Building Code  
NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control

UNLIMITED



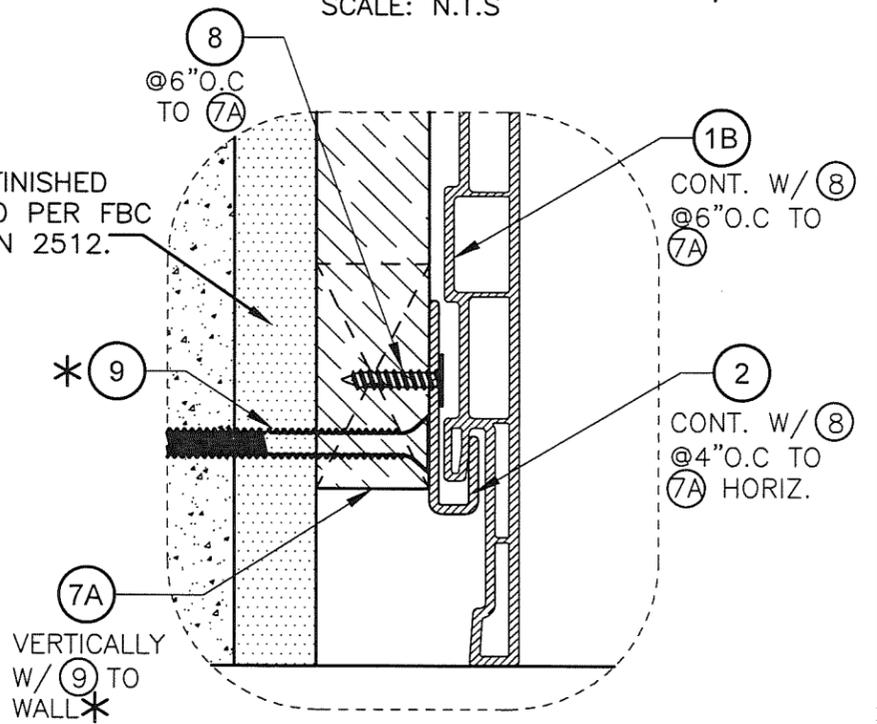
**DETAIL 1**  
SCALE: N.T.S

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



**DETAIL 2**  
SCALE: N.T.S

5/8" FINISHED  
STUCCO PER FBC  
SECTION 2512.  
TYP.



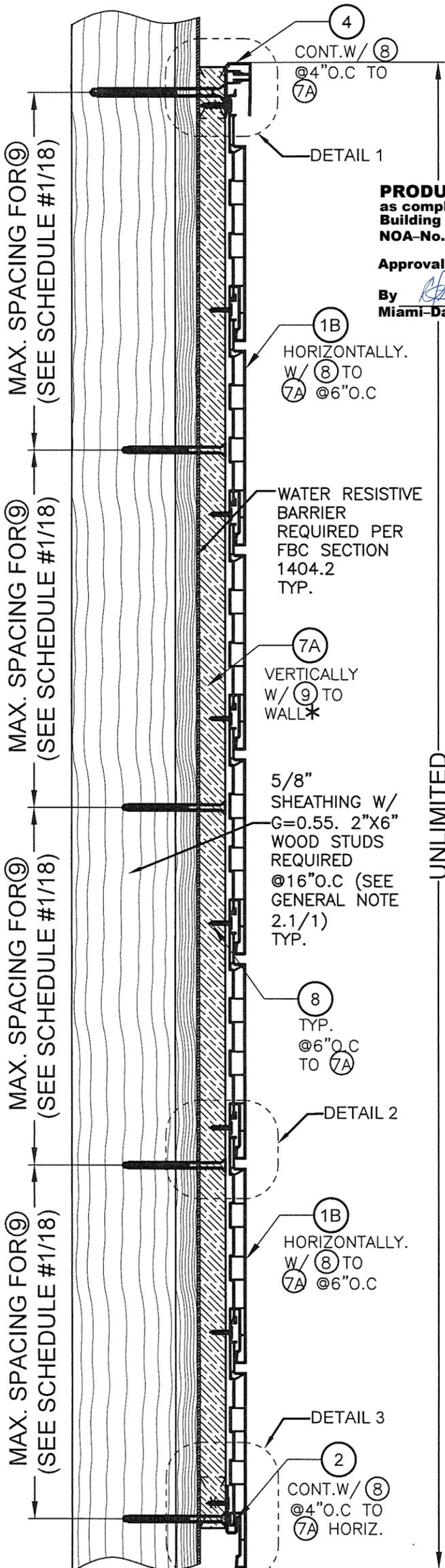
**DETAIL 3**  
SCALE: N.T.S

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

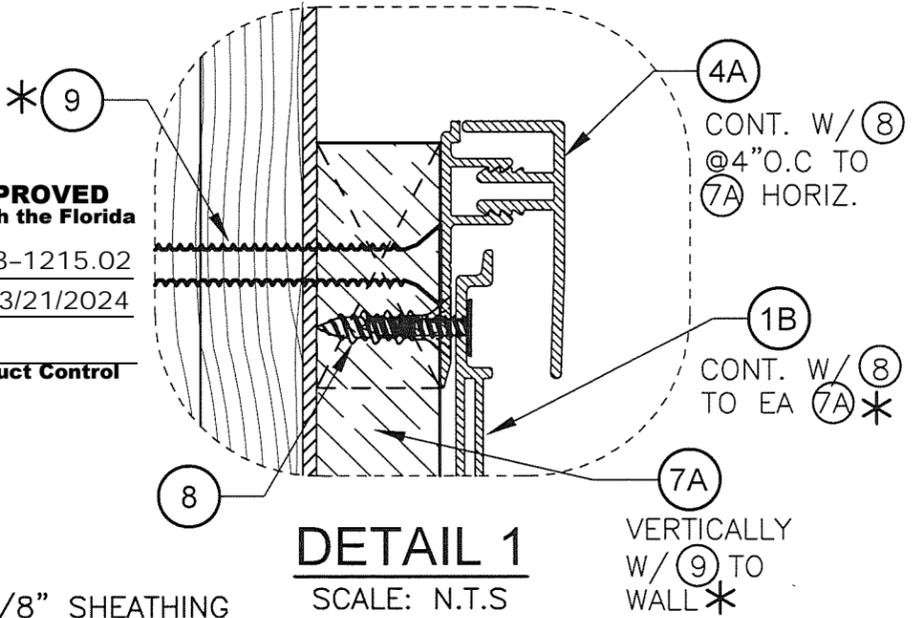
\* SEE SCHEDULE #1  
ON SHEET 18 FOR  
MIN. SPACING OF (9)  
TO WALL SUBSTRATE.

WALTER A. TILLIT JR.  
LICENSE  
No. 44167  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
*[Signature]*  
4/2/2024  
P.E. SEAL/SIGNATURE/DATE

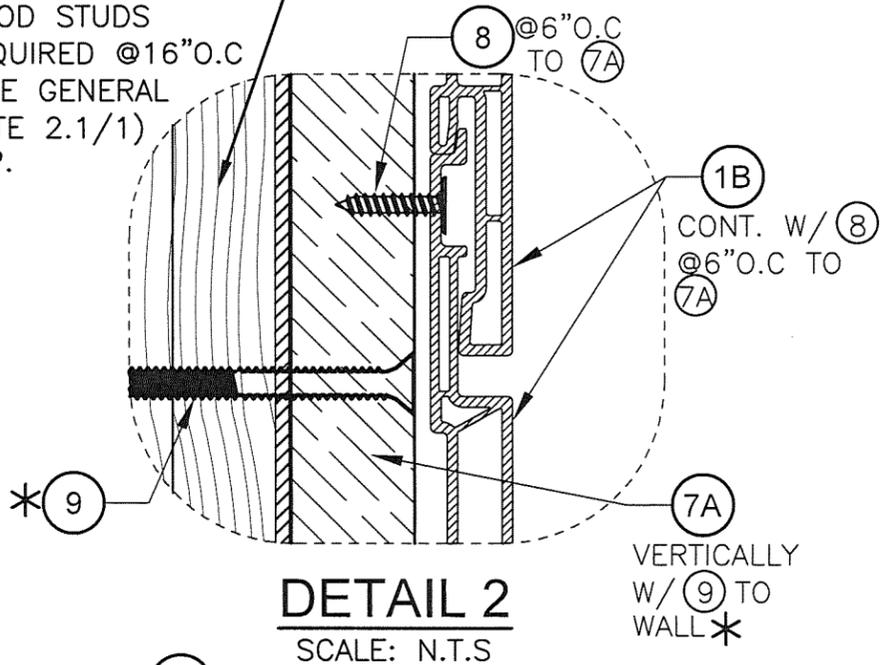
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)		CWS 6" WALL PANEL		W.H. DRAWN BY:	
©2023 TILTECO, INC.		<b>ChamClad</b> by Chameleon		10/31/2023 DATE:	
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 Fax: (305)871-1531 CA-0006719 WALTER A. TILLIT JR. P.E. FLORIDA Lic. # 44167		10235-184 ST. NW EDMONTON, AB T5S 2J4		<b>22-063</b> DRAWING No.	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		
					SHEET 17 OF 18



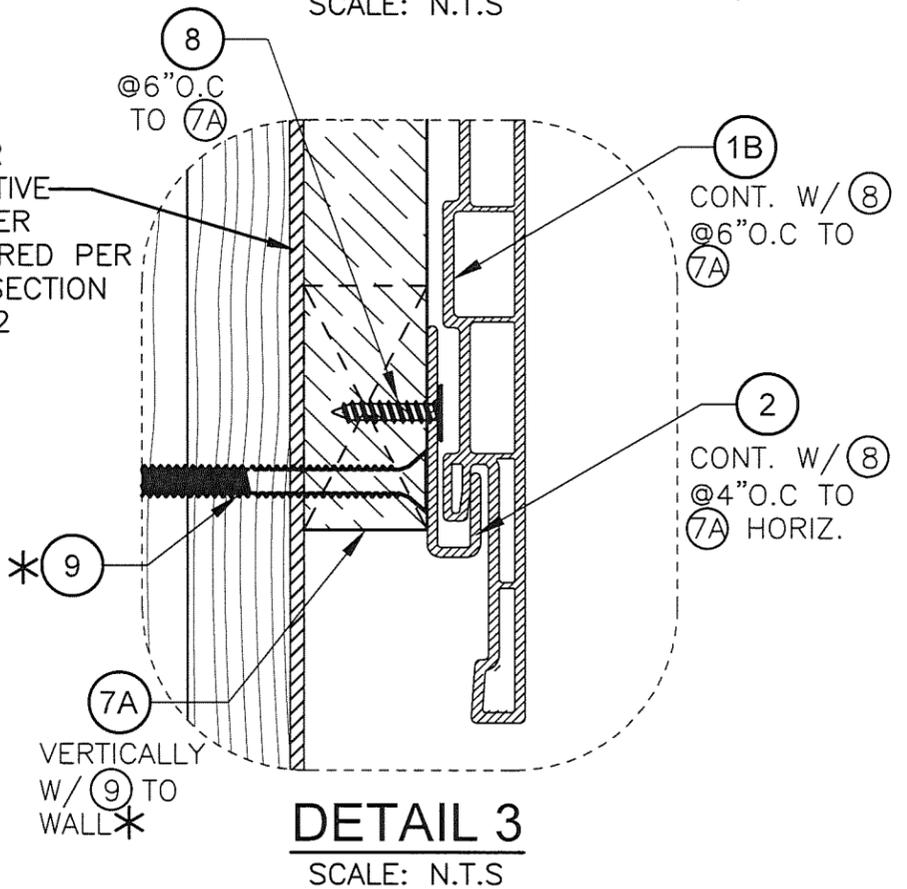
**PRODUCT APPROVED**  
 as complying with the Florida  
 Building Code  
 NOA-No. 23-1215.02  
 Approval Date 03/21/2024  
 By *[Signature]*  
 Miami-Dade Product Control



5/8" SHEATHING  
 W/G=0.55. 2"x6"  
 WOOD STUDS  
 REQUIRED @16"O.C  
 (SEE GENERAL  
 NOTE 2.1/1)  
 TYP.



WATER RESISTIVE  
 BARRIER  
 REQUIRED PER  
 FBC SECTION  
 1404.2  
 TYP.



**SECTION D-D:**  
 SCALE: N.T.S.

## OPTIONAL SYSTEM #2: WOOD FRAME WALLS

\* SEE SCHEDULE #1  
 ON SHEET 18 FOR  
 MIN. SPACING OF (9)  
 TO WALL SUBSTRATE.

WALTER A. TILLIT JR.  
 LICENSE  
 No. 44167  
 STATE OF  
 FLORIDA  
 PROFESSIONAL ENGINEER  
*[Signature]*  
 P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)																				
©2023 TILTECO, INC.			CWS 6" WALL PANEL		W.H.															
 TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33168 Phone: (305)671-1530 Fax: (305)671-1531 CA-0006719 WALTER A. TILLIT JR. P.E. FLORIDA Lic. # 44167			 10235-184 ST. NW EDMONTON, AB T5S 2J4		DRAWN BY: 10/31/2023 DATE: <b>22-063</b> DRAWING No.															
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## SCHEDULE #1

# MAX. ANCHOR (9) SPACING SCHEDULE FOR ANCHORING OF COMPONENTS (7A) & (7B) TO EXISTING WALL SUBSTRATE (VALID FOR OPTIONAL SYSTEM #1 & #2)

**PRODUCT APPROVED**  
as complying with the Florida  
Building Code  
NOA-No. 23-1215.02  
Approval Date 03/21/2024  
By *[Signature]*  
Miami-Dade Product Control

MAX. DESIGN PRESSURE RATING (psf)	ANCHOR TYPE	SUBSTRATE AT WALL						SUBSTRATE @ WALL					
		CONCRETE MIN. f'c=3000 psi AT 28 DAYS			CONCRETE BLOCK WALL ASTM C-90			WOOD* (VERTICAL FURRING) MIN. G = 0.55			WOOD** (HORIZONTAL FURRING) 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.
+50.0, -53.6	(9)	1"	1 3/4"	12" O.C.	1"	1 1/4"	12" O.C.	3/4"	1"	12" O.C.	3/4"	1"	16" O.C.
+57.0, -65.2	(9)	1"	1 3/4"	12" O.C.	1"	1 1/4"	12" O.C.	N/A	N/A	N/A	3/4"	1"	16" O.C.
+66.7, -76.8	(9)	1"	1 3/4"	12" O.C.	1"	1 1/4"	12" O.C.	N/A	N/A	N/A	3/4"	1"	16" O.C.
+80.0, -88.4	(9)	1"	1 3/4"	12" O.C.	1"	1 1/4"	12" O.C.	N/A	N/A	N/A	3/4"	1"	16" O.C.
+100,-100	(9)	1"	1 3/4"	12" O.C.	1"	1 1/4"	12" O.C.	N/A	N/A	N/A	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 FURRING (7A) & (7B) ON WOOD FRAME WALLS :

1. MUST COINCIDE WITH LOCATION OF EXISTING VERTICAL 2X WOOD STUDS SPACED @ 16" O.C @ EXISTING WALL (SEE NOTE 2/1).
2. MAX. 12" O.C INDICATED SPACING FOR (9) IS VERTICAL SPACING ALONG EXISTING VERTICAL STUDS.
3. MIN. 1" EMBEDMENT IS AT EXISTING VERTICAL 2X WOOD STUD BEYOND ANY EXISTING SHEATHING OR WALL FINISH.
4. WOOD FRAME WALL MUST COMPLY WITH SECTIONS 1626.4.2, 1404.2 OF THE FLORIDA BUILDING CODE. SEE GENERAL NOTE 2 ON SHEET 1.
5. FASTENER (9) MUST BE INSTALLED AT MIDWIDTH OF EXISTING VERTICAL 2X STUD.

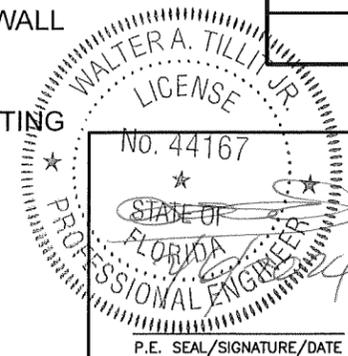
\*\* VALID ONLY FOR HORIZONTALLY INSTALLED FURRING (7A) & (7B) ON WOOD FRAME WALLS:

1. MUST BE ANCHORED AT EXISTING 16" O.C VERTICAL 2X WOOD STUDS @ EXISTING WALL (SEE NOTE 2/1).
2. MIN. 1" EMBEDMENT IS AT EXISTING VERTICAL 2X WOOD STUD BEYOND ANY EXISTING SHEATHING OR WALL FINISH.
3. WOOD FRAME WALL MUST COMPLY WITH SECTIONS 1626.4.2, 1404.2 OF THE FLORIDA BUILDING CODE. SEE GENERAL NOTE ON SHEET 1.
4. FASTENER (9) MUST BE INSTALLED AT MIDWIDTH OF EXISTING VERTICAL 2X STUD.

## SCHEDULE #2

# MAX. (7A) & (7B) (FURRING) SPACING (ON CENTERS) VERSUS MAX ALLOWED PRESSURE RATING FOR PANELS (1A) & (1B)

SPACING FOR (7A) & (7B) ON CENTERS @ WALL.	MAX PRESSURE RATING (psf)
16" O.C	+50.0 , -53.6
14" O.C	+62.5, -65.2
12" O.C	+75.0 , -76.8
10" O.C	+87.5 , -88.4
8" O.C	+100.0 , -100.0



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)	
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<b>TILTECO INC.</b>	<b>ChamClad</b> by Chameleon
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1330, Fax : (305)871-1331 CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167	10235-184 ST. NW EDMONTON, AB T5S 2J4
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