

GENERAL NOTES:

1. THIS PRODUCT EVALUATION DOCUMENT (P.E.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 SECTIONS 1620 & 1609.1.1 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.E.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 & 1609.1.2 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 SECTIONS 1616 & 1604 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.
3. MAXIMUM A.S.D. DESIGN WIND PRESSURE RATING FOR THIS PRODUCT SHALL NOT EXCEED MAXIMUM VALUES PER SHEET 24.
- * 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.
4. 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" SYSTEM MUST BE PROPERLY ANCHORED TO TRANSFER LOADS TO THE EXISTING STRUCTURAL WALL. WOOD FURRING (COMPONENT ⑥) 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.E.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.E.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS P.E.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.E.D. WILL BE CONSIDERED INVALID IF MODIFIED.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARE BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
- (e) ORIGINAL P.E.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.

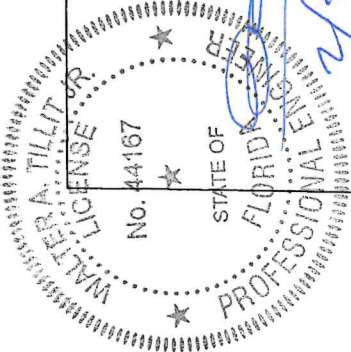
PANEL MATERIAL FIRE BURNING CHARACTERISTICS AND WEATHERING HAVE BEEN VERIFIED AS FOLLOWS:

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)

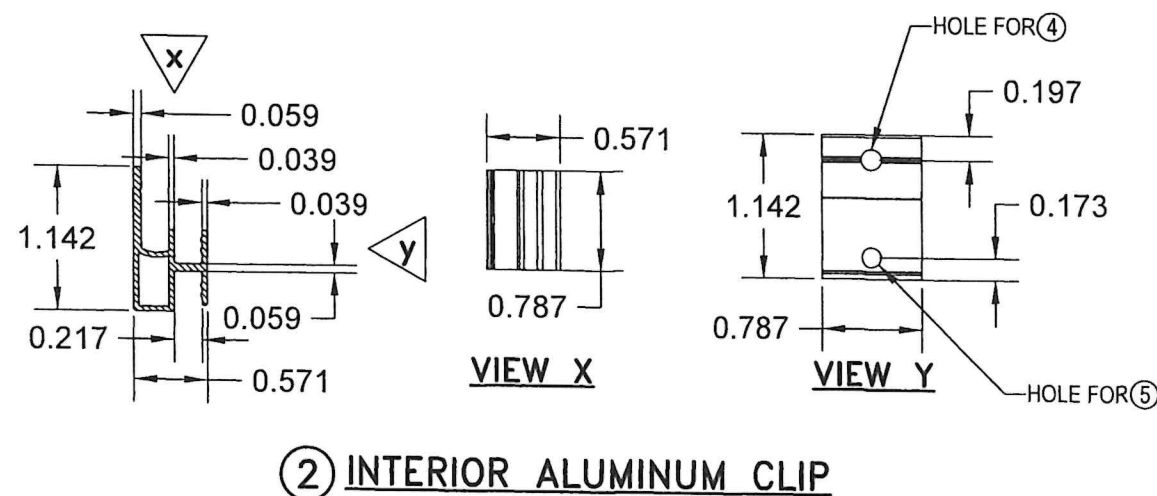
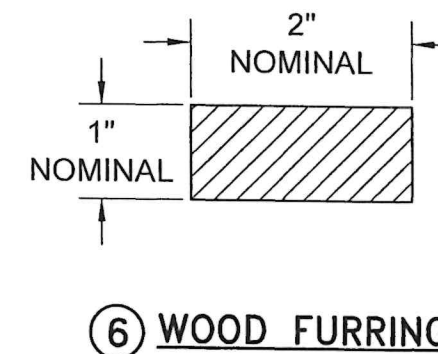
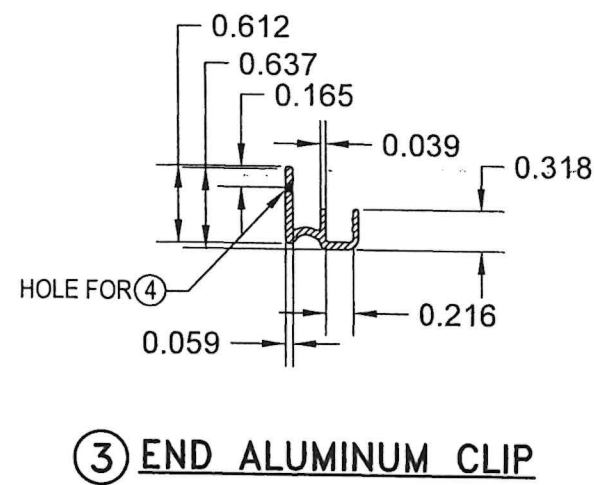
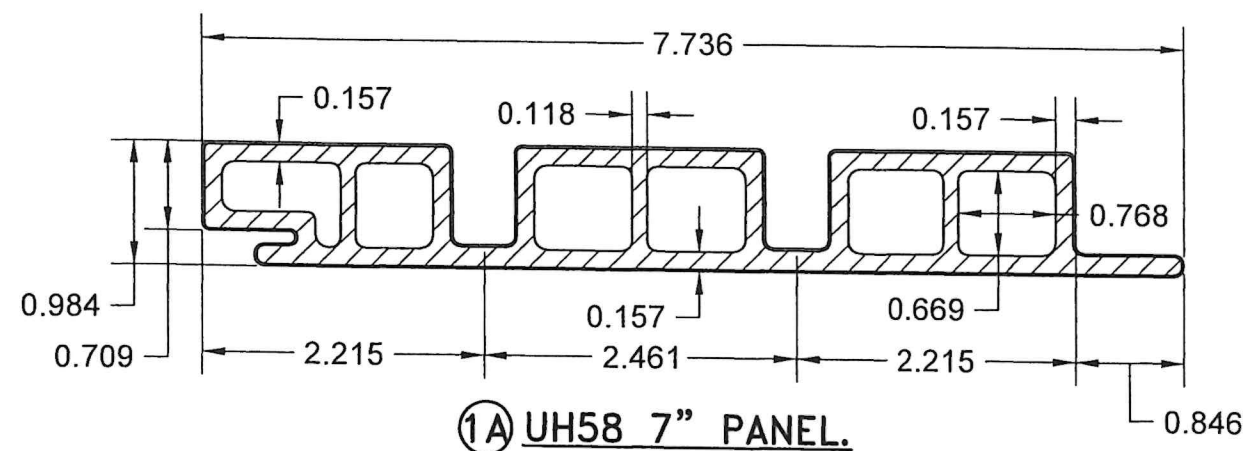
9. PRODUCT MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY VISIBLE AT PLANK LOCATION IN ACCORDANCE WITH SECTION 1703.5 OF THE FLORIDA BUILDING CODE.

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

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)	W.H DRAWN BY:	11/25/2024 DATE:	24-050 DRAWING No.	SHEET 1 of 24			
	DECORATIVE EUROPEAN WALL CLADDING PANELS UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)						
© 2024 TILTECO, INC.		 NewTechWood 16880 Air Center Blvd, Houston, TX 77032					
 TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Suite 305, 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	D.L. 1402psf	02/28/25	3		
		2			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

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY: 11/25/2024 DATE: 24-050 DRAWING No. SHEET 2 of 24

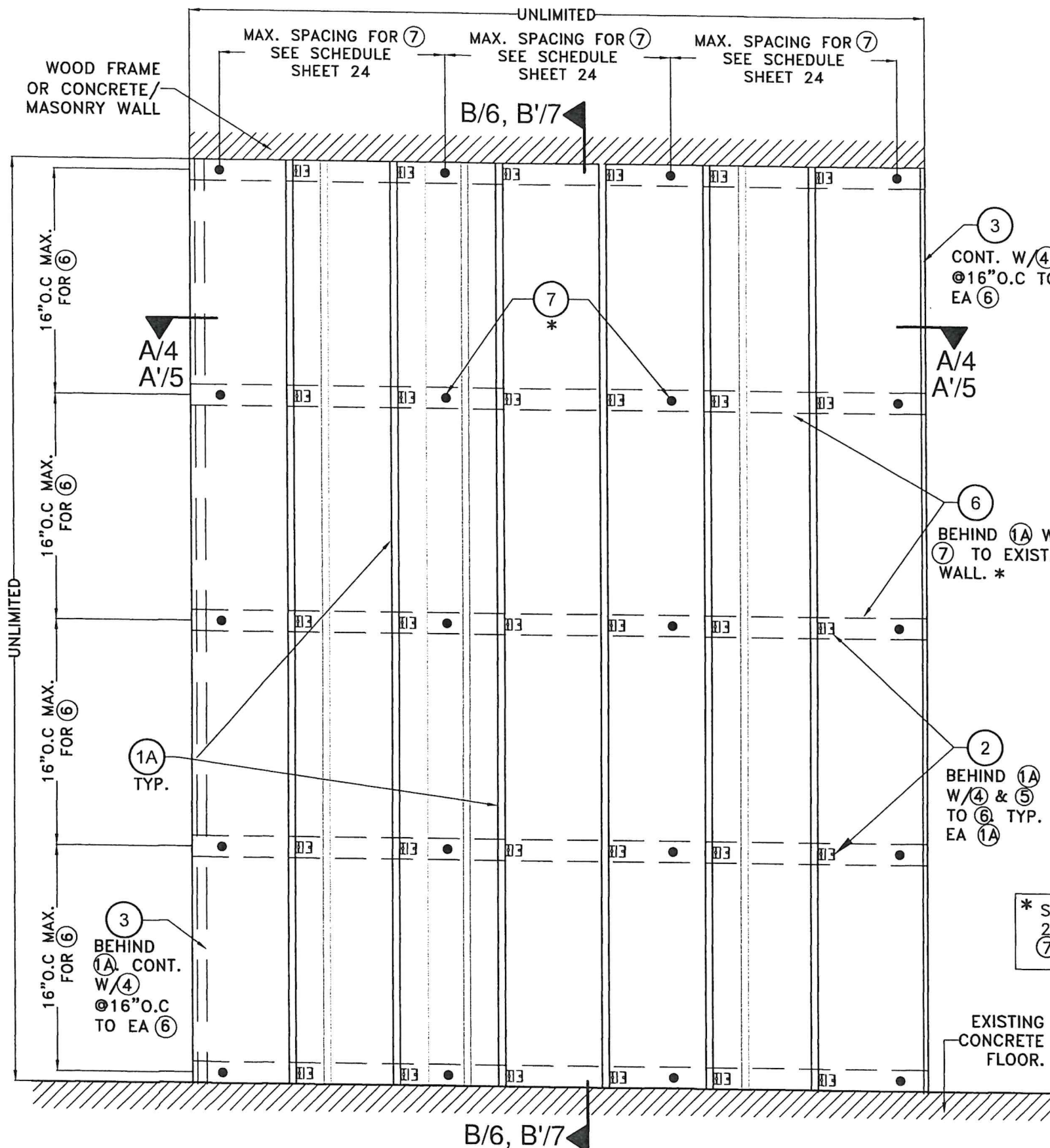
DECORATIVE EUROPEAN WALL CLADDING PANELS UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

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

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

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

© 2024 TILTECO, INC.

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

W.H
DRAWN BY:

11/25/2024
DATE:

24-050
DRAWING NO.

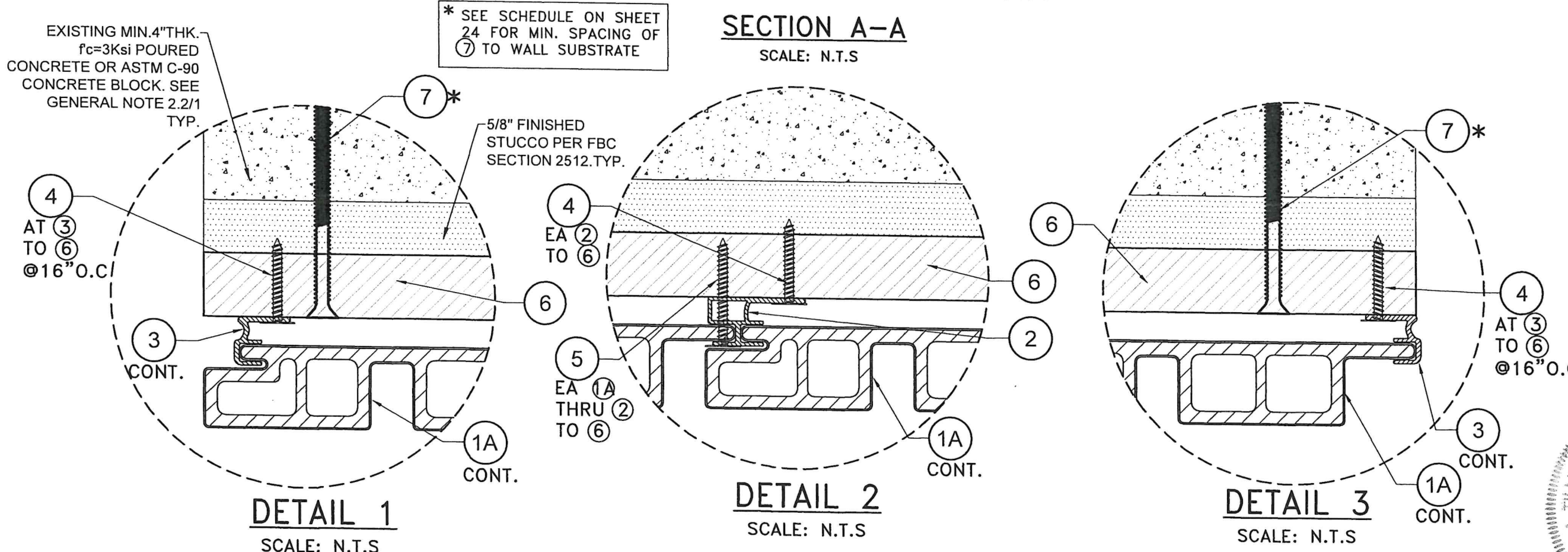
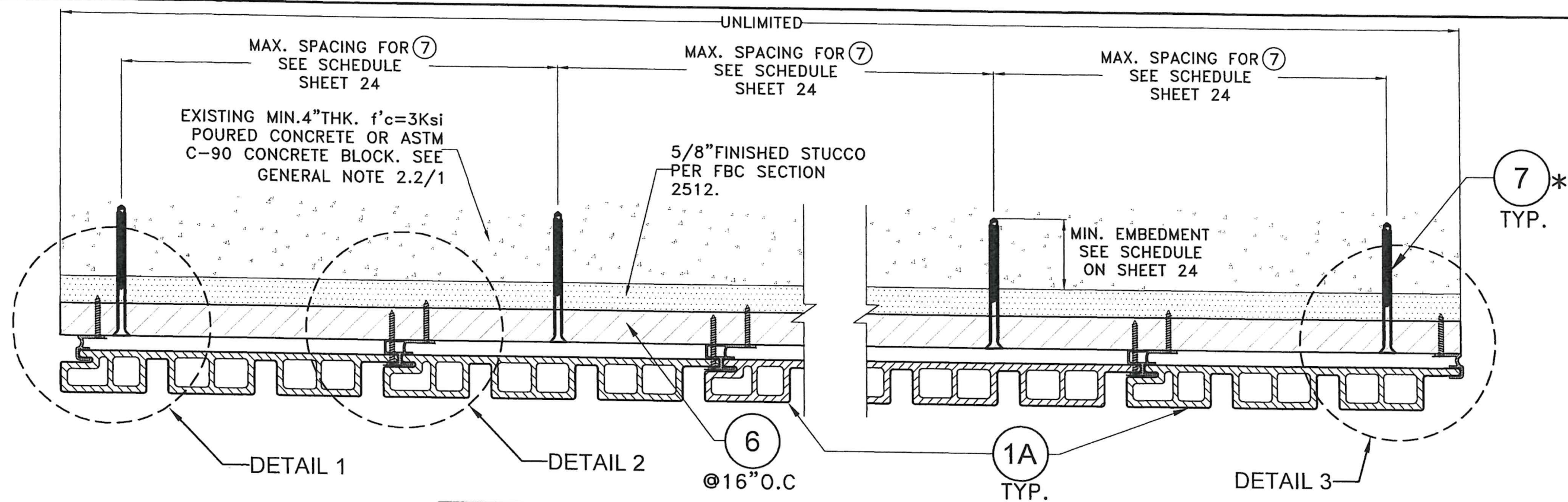
3 of 24
SHEET

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

NewTechWood
16860 Air Center Blvd,
Houston, TX 77032

REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	D.L. 1402psf	02/28/25	3		
2			4		

P.E. SEAL/SIGNATURE/DATE



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

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY: 11/25/2024 DATE: 24-050 DRAWING No. SHEET 4 of 24

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

NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

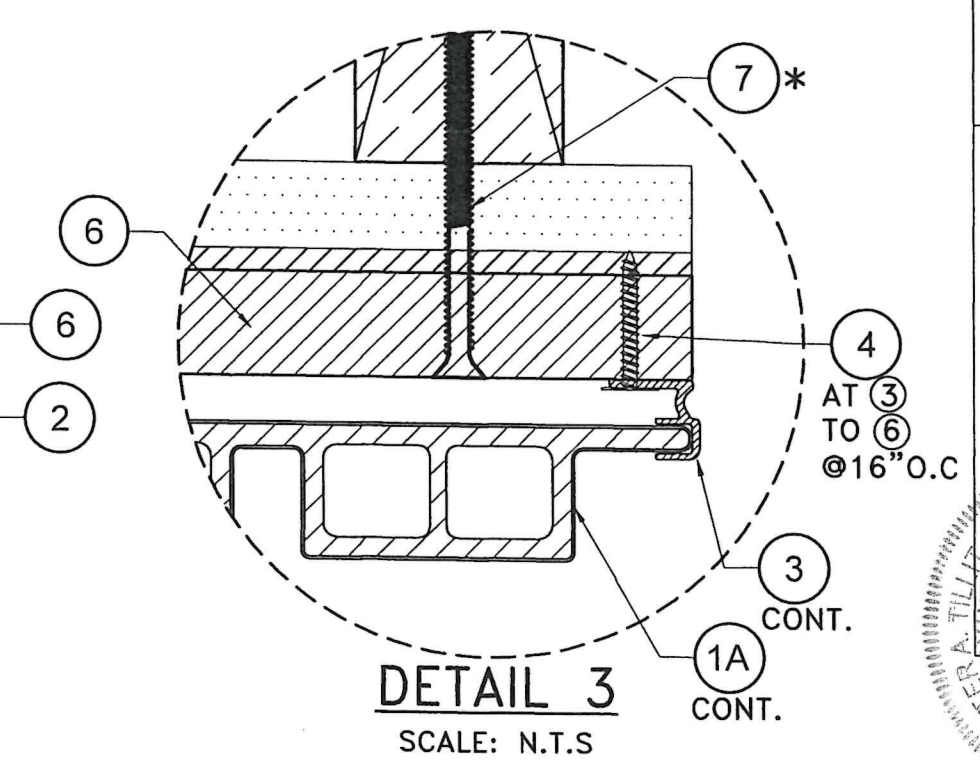
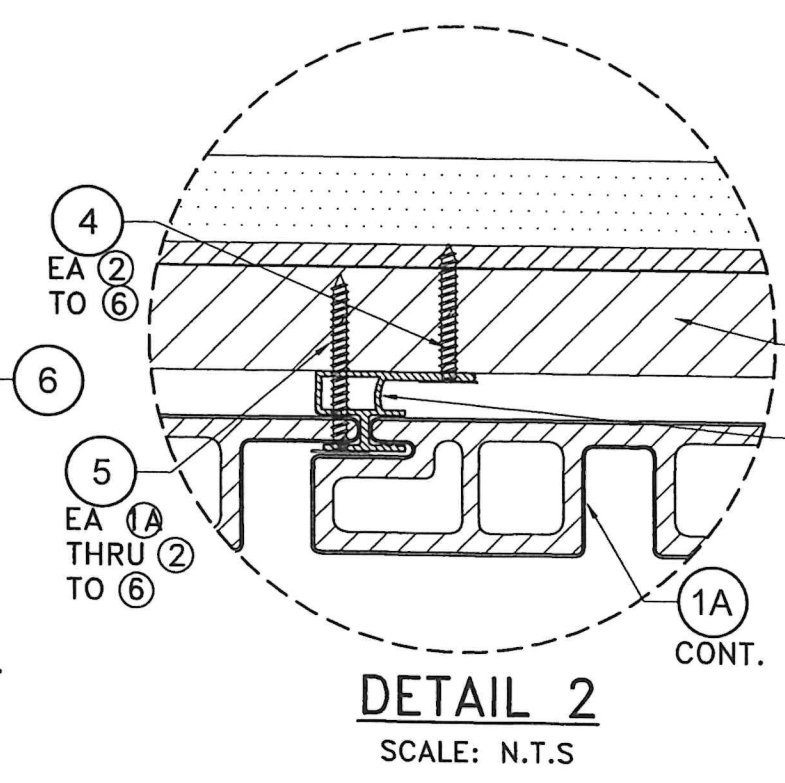
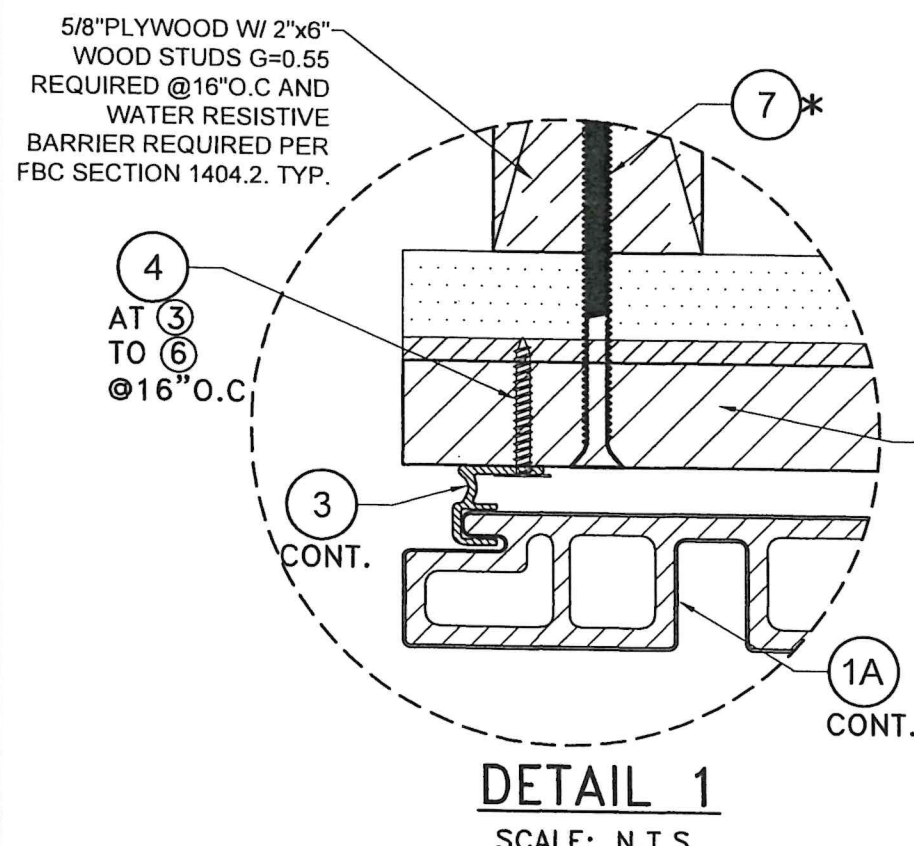
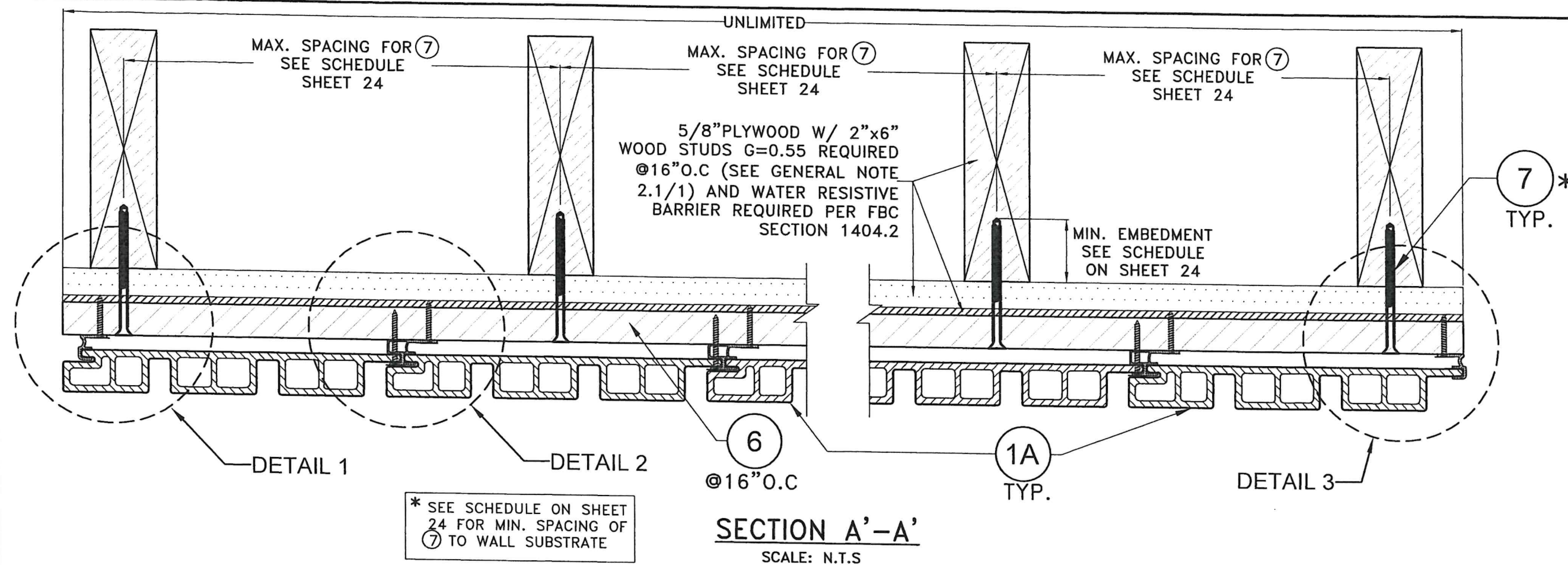
REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	D.L. 1402paf	02/28/23	3		
2			4		

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

P.E. SEAL/SIGNATURE/DATE

Walter A. Tillit Jr.
2/28/2025

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



OPTIONAL SYSTEM #1: WOOD FRAME WALLS

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY: 11/25/2024 DATE: 24-050 DRAWING No. SHEET 5 of 24

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

NewTechWood
16880 Air Center Blvd.
Houston, TX 77032

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	D.L. 1402ptf	02/28/23	3		
2			4		

© 2024 TILTECO, INC.

TILTECO INC.

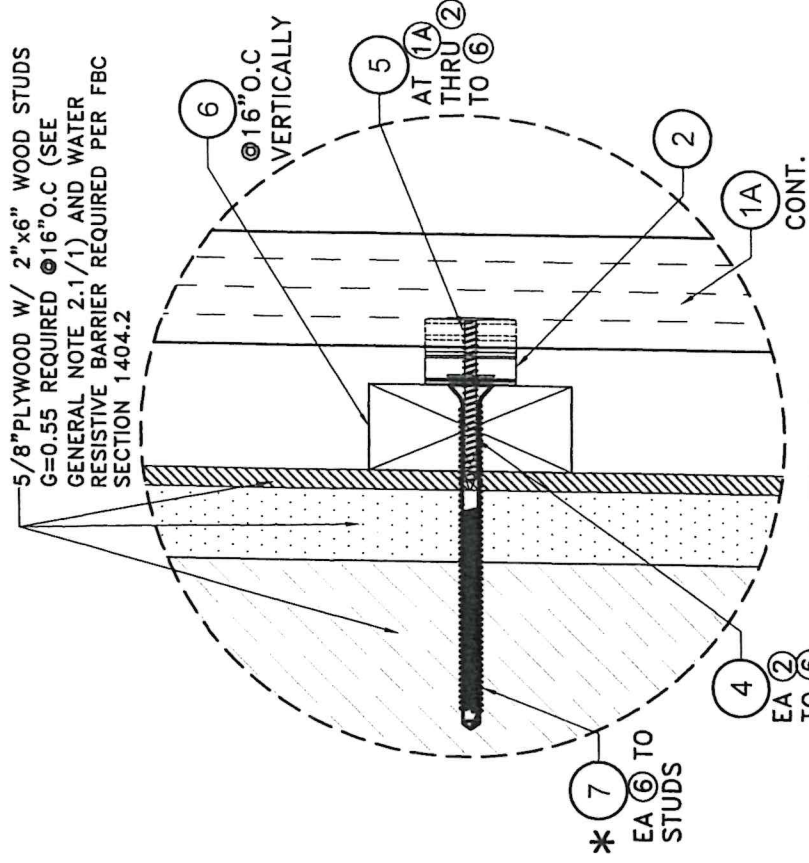
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Suite 305, Virginia Gardens, FL 33166
Phone: (305) 871-1530 Fax: (305) 871-1531
CA-0006719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

P.E. SEAL/SIGNATURE/DATE

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

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



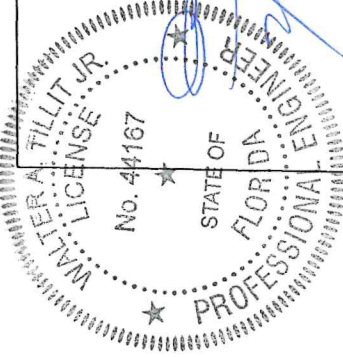
DETAIL 1
SCALE: N.T.S

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

EXISTING
CONCRETE
FLOOR.

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

SCALE: N.T.S



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)



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

W.H
DRAWN BY:



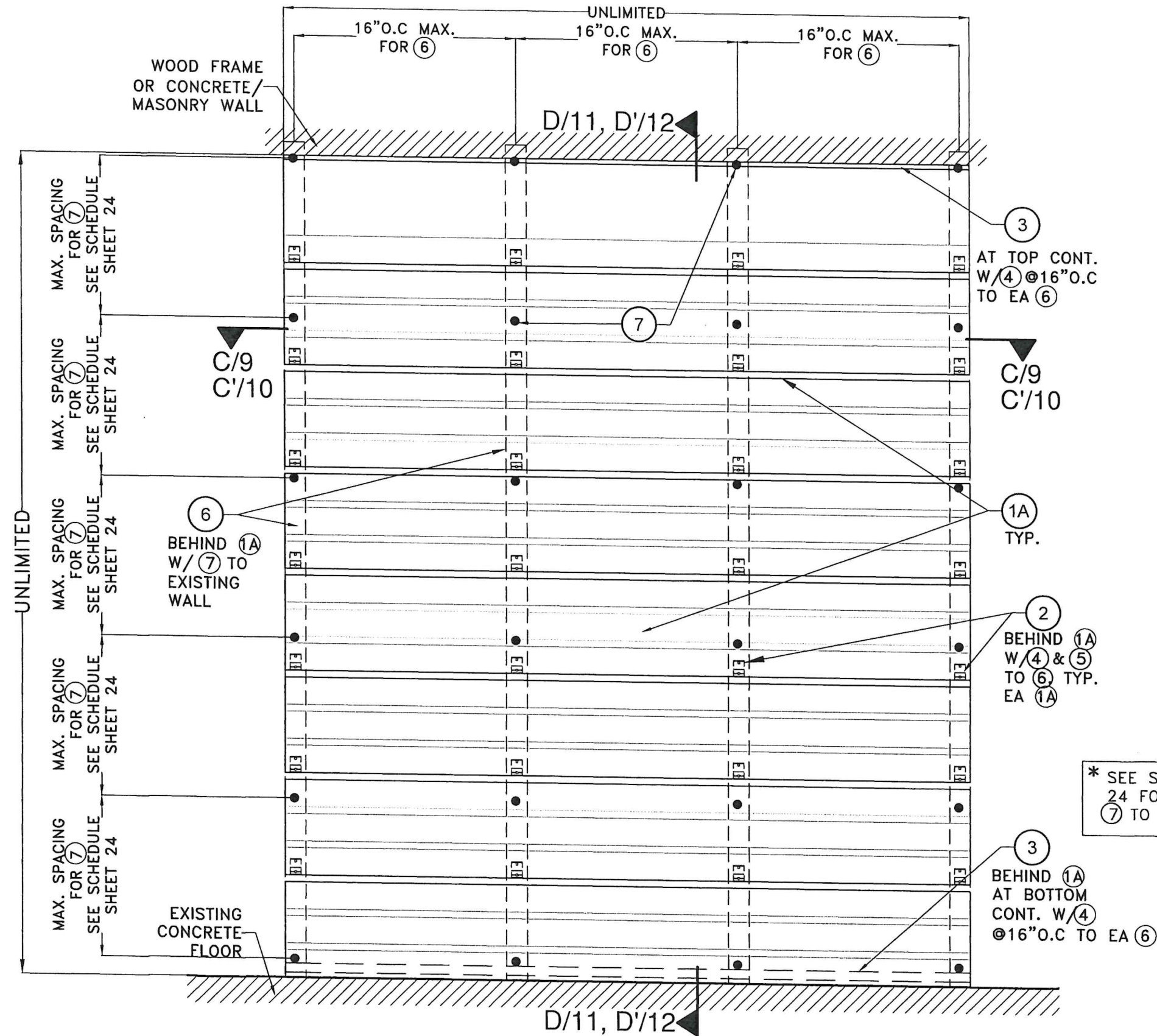
NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

11/25/2024
DATE:

24-050
DRAWING No.

SHEET 7 of 24

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	D.L 1404.pdf	02/28/25	3	-	-
2	-	-	4	-	-

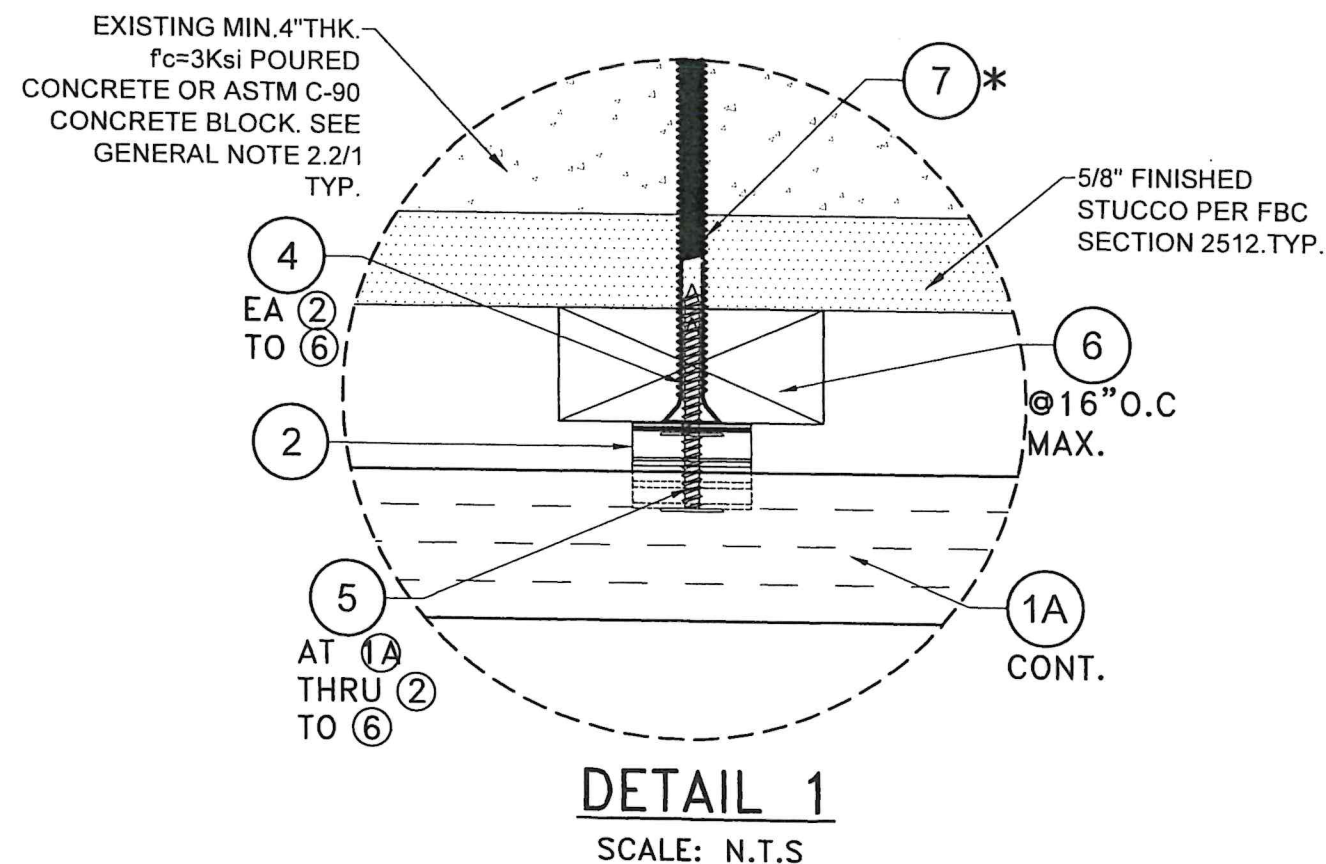
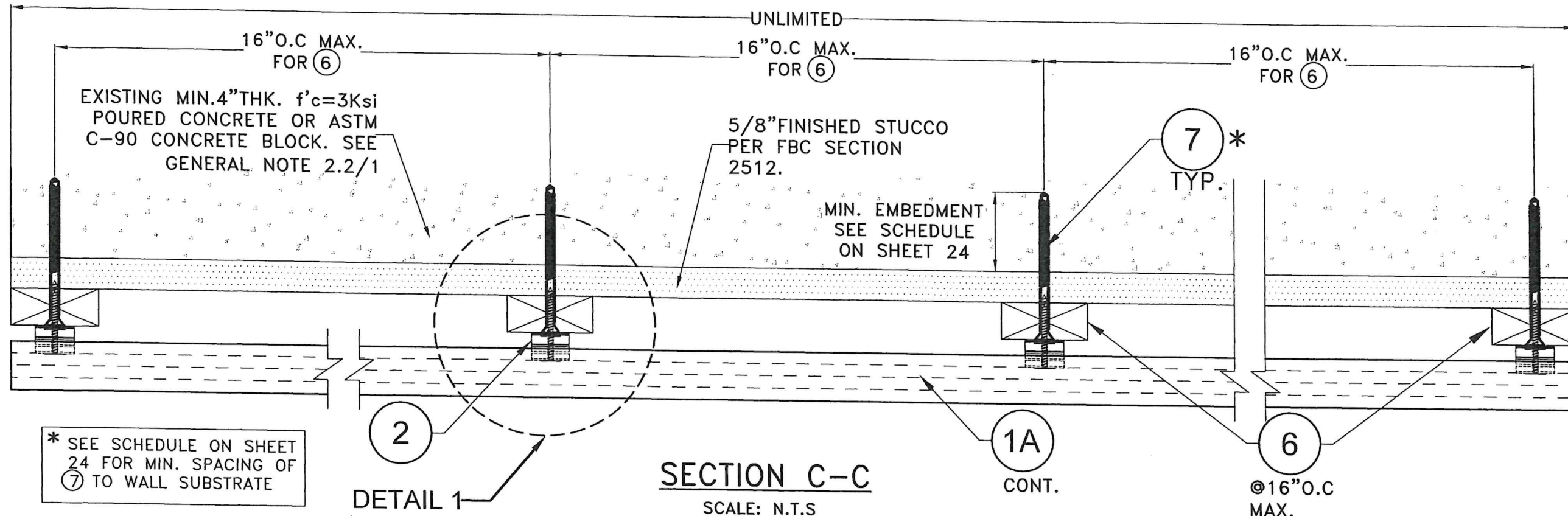


TYPICAL EXTERIOR ELEVATION W/ ①A (HORIZONTALLY ORIENTED)
OPTIONAL SYSTEM #1: INSTALLATION INTO WOOD FRAME OR CONCRETE/MASONRY WALLS.
SCALE: N.T.S

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)					
© 2024 TILTECO, INC.		W.H. DRAWN BY:			
		11/25/2024 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		DECORATIVE EUROPEAN WALL CLADDING PANELS UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)			
NewTechWood 16680 Air Center Blvd, Houston, TX 77032		24-050 DRAWING No.			
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	D.L. 1402psf	02/28/25	3	-	-
2	-	-	4	-	-

P.E. SEAL/SIGNATURE/DATE

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



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

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

© 2024 TILTECO, INC.

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

W.H. DRAWN BY:
DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

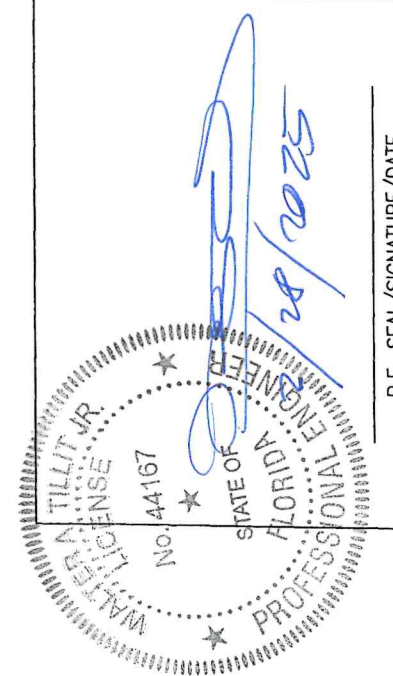


NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

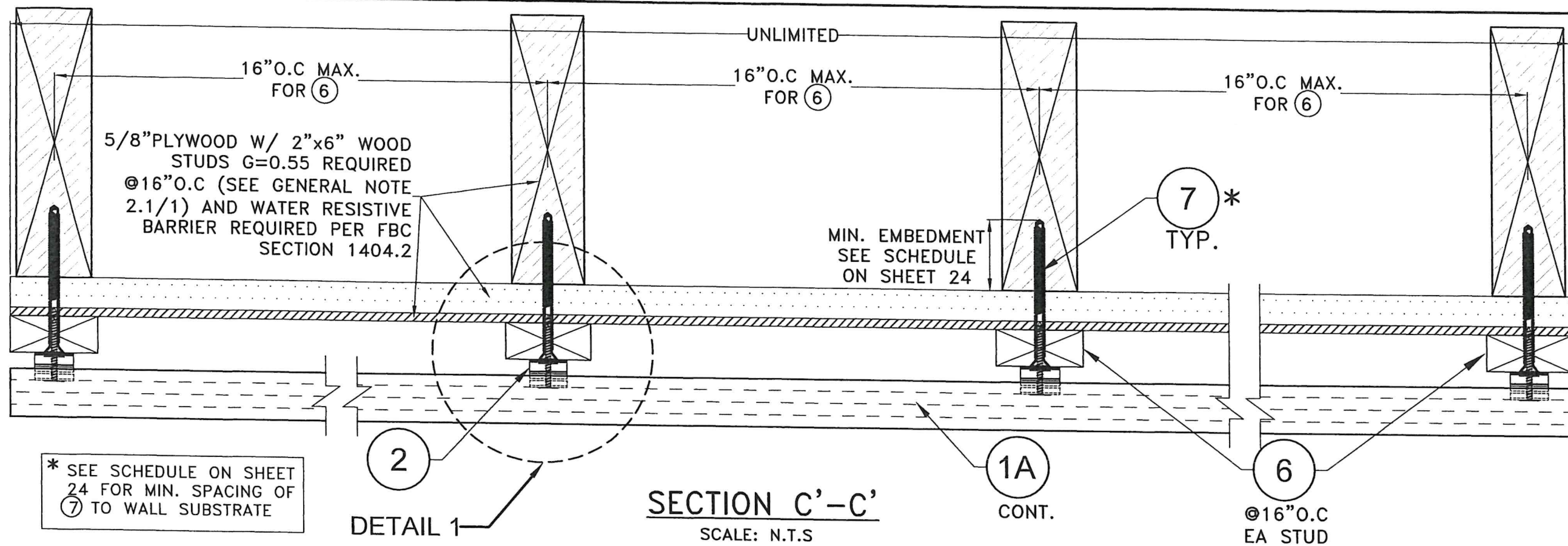
11/25/2024
DATE:

24-050
DRAWING No.

9 of 24
SHEET

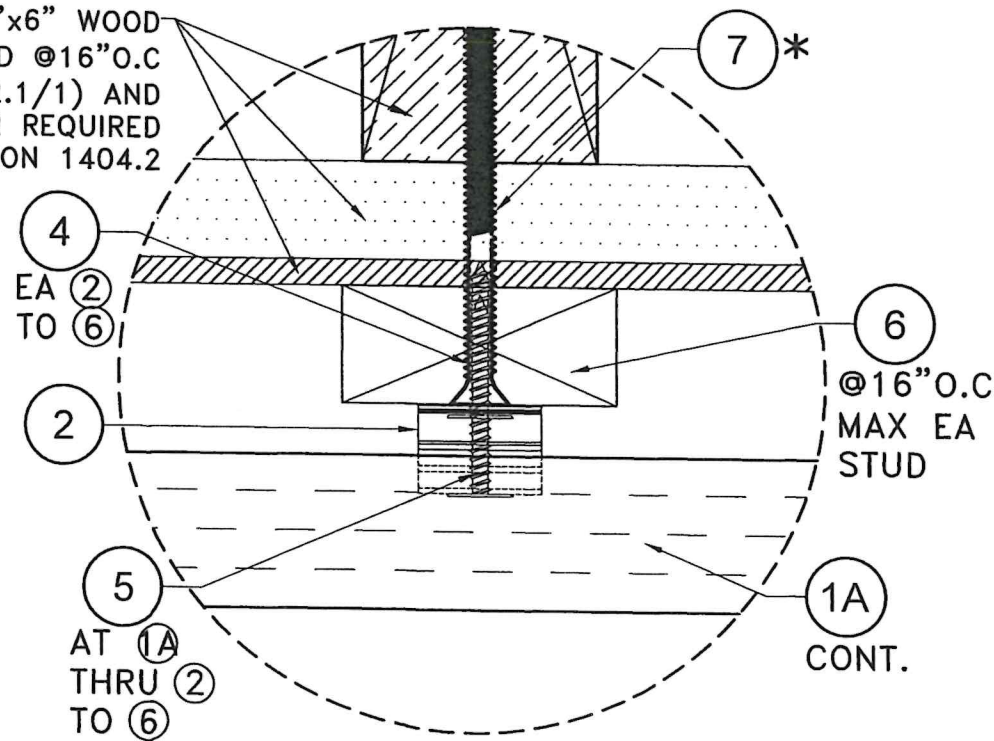


P.E. SEAL/SIGNATURE/DATE



* 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

OPTIONAL SYSTEM #1: WOOD FRAME WALLS

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

© 2024 TILTECO, INC.

TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Suite 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:

11/25/2024 DATE:

24-050 DRAWING No.

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

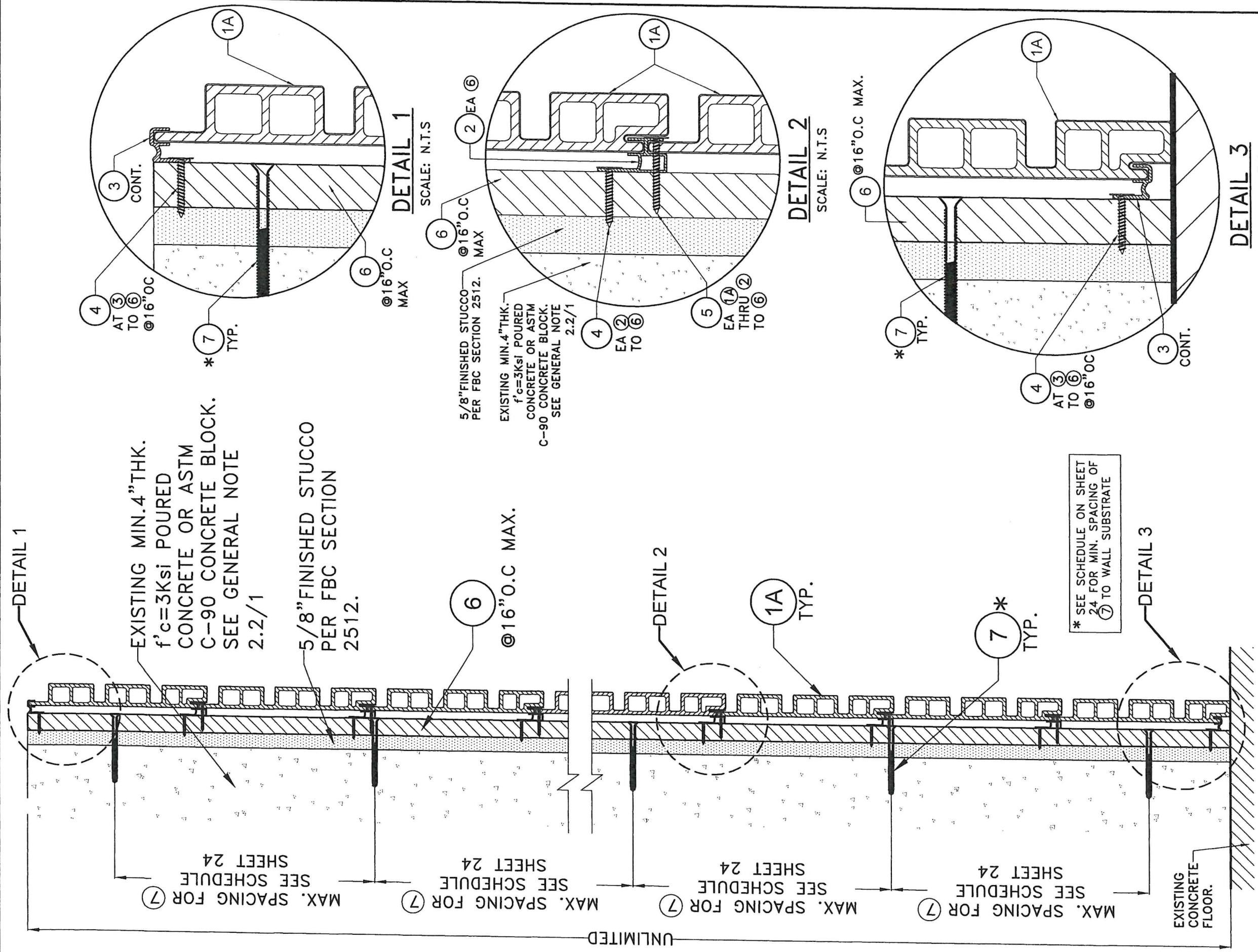
REVISIONS

REV. NO.	DESCRIPTION	DATE	REV. No.	DESCRIPTION	DATE
1	D.L. 1402ptf	02/28/23	3		
2			4		

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

Walter A. Tillit Jr.

P.E. SEAL/SIGNATURE/DATE



SCALE: N.T.S

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

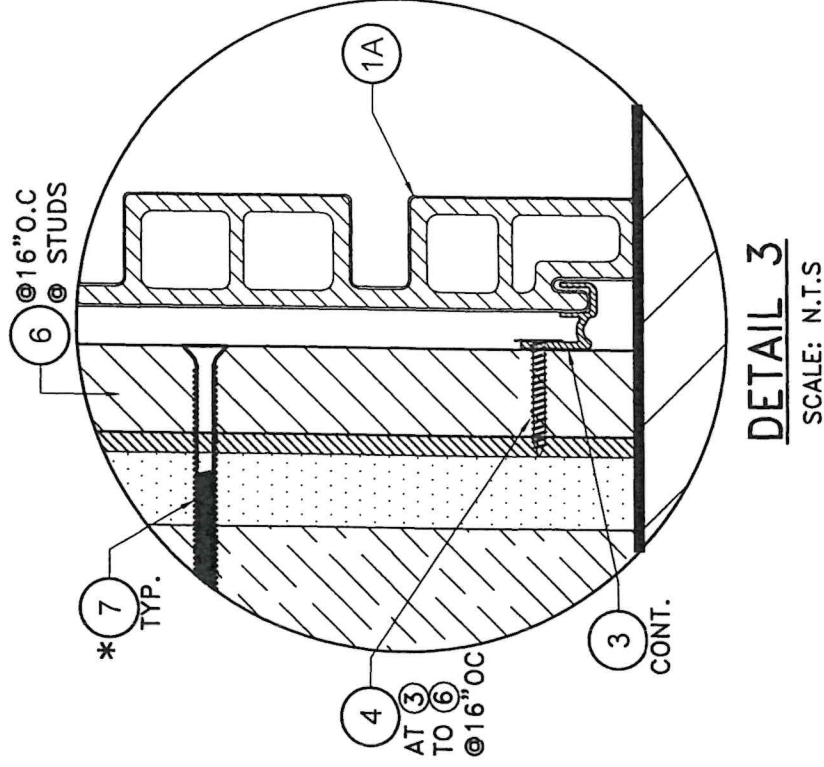
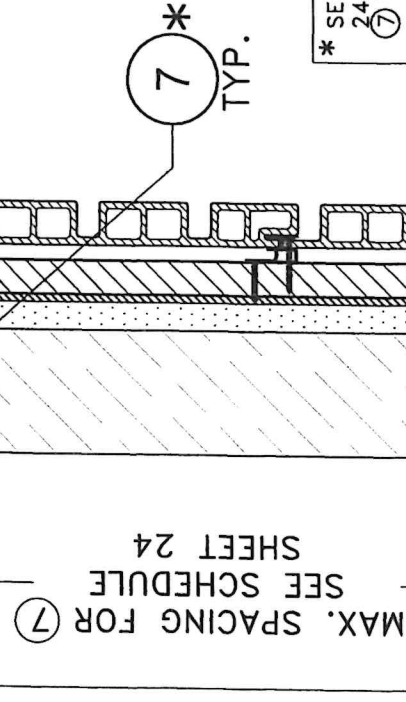
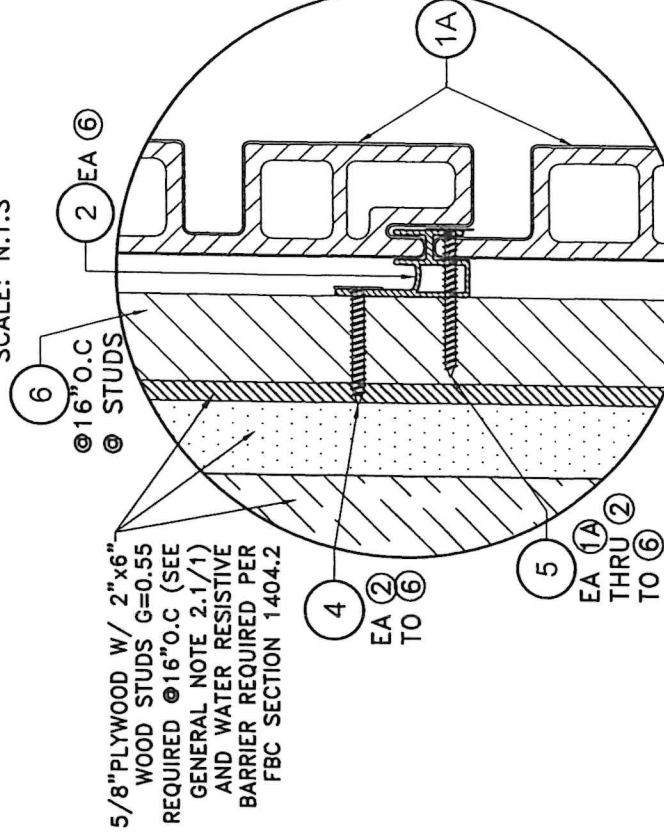
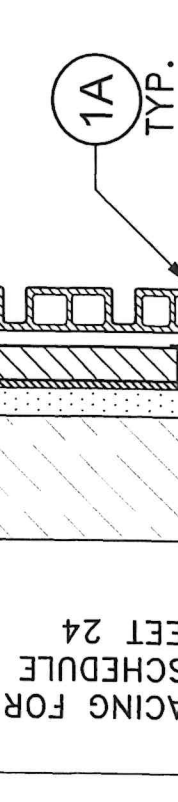
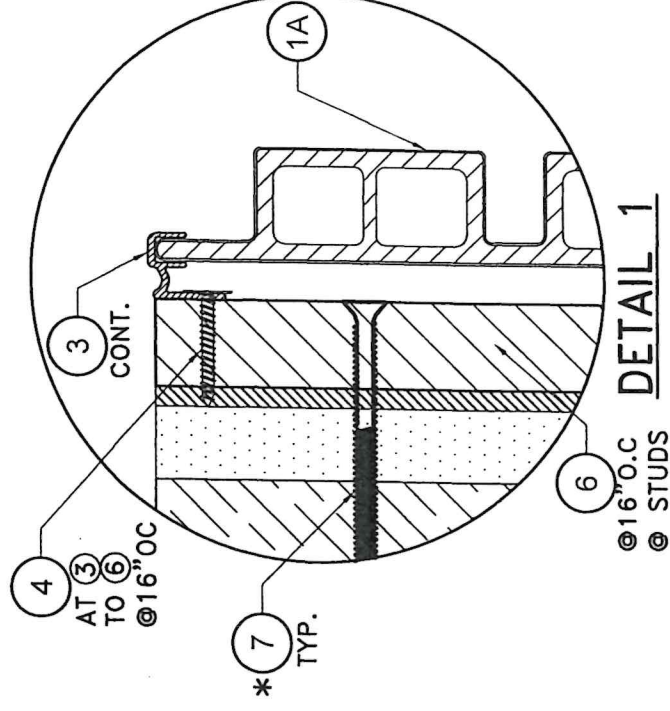
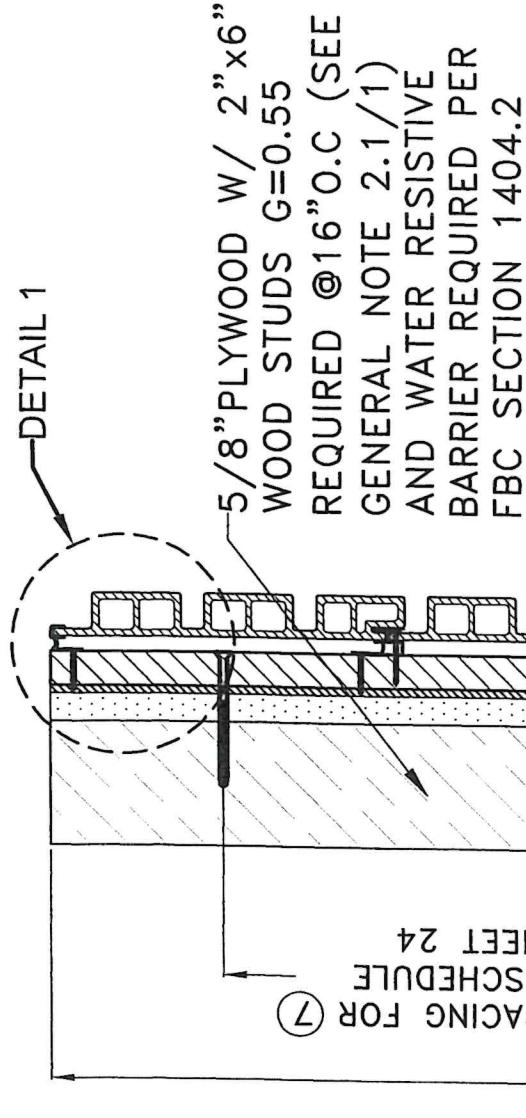
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th, St., Ste. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531

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

NewTechWood
16680 Air Center Blvd,
Houston, TX 77032

W.H

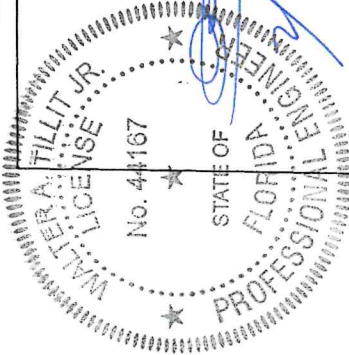
P.E. SEAL/SIGNATURE/DATE



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

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

SCALE: N.T.S.



FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

© 2024 TILTECO, INC.

TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530, Fax: (305)871-1531

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. 1402psf	02/28/25	3	-	-
2	-	-	4	-	-

W.H
DRAWN BY:

11/25/2024
DATE:

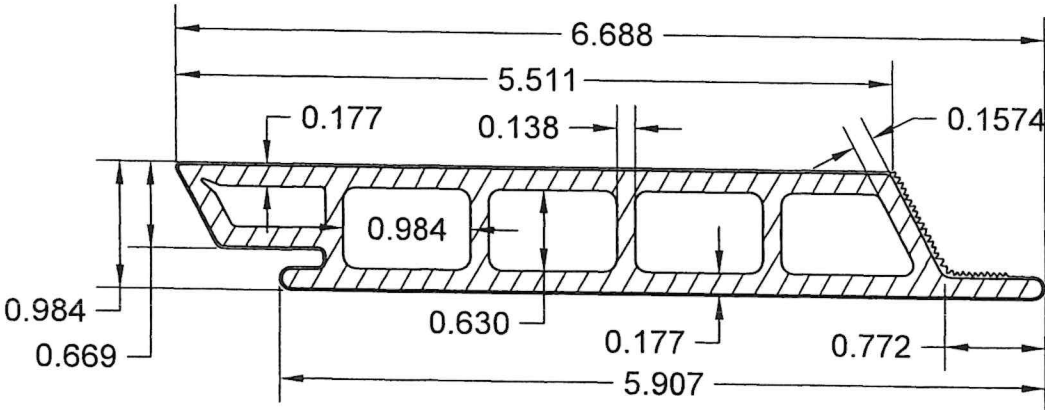
24-050
DRAWING No.

P.E. SEAL/SIGNATURE/DATE

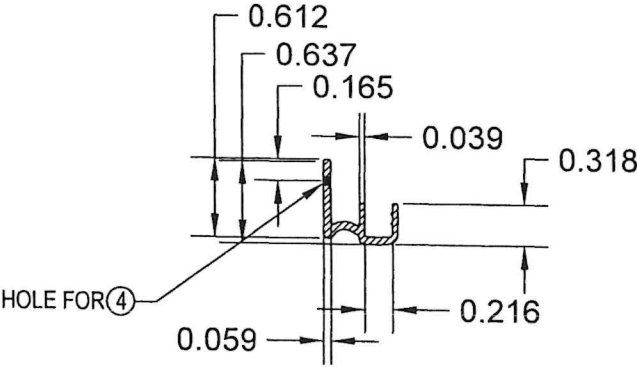
SHEET 12 OF 24

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

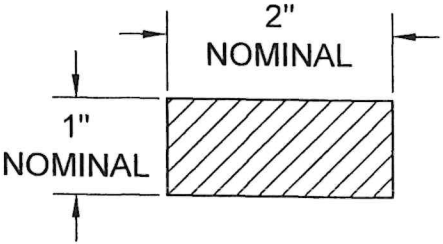
COMPONENT No.	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1B	UH68 6" PANEL.	SEE COMPONENT DETAIL	COMPOSITE PLASTIC WOOD BY NEW TECH WOOD	NEW TECH WOOD	CLADDING PLANK
2	INTERIOR ALUMINUM CLIP	SEE COMPONENT DETAIL	6063-T5 ALUMINUM ALLOY	-	USE AT CONNECTION OF 1B TO 6 W/ 4 & 5
3	END ALUMINUM CLIP	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.



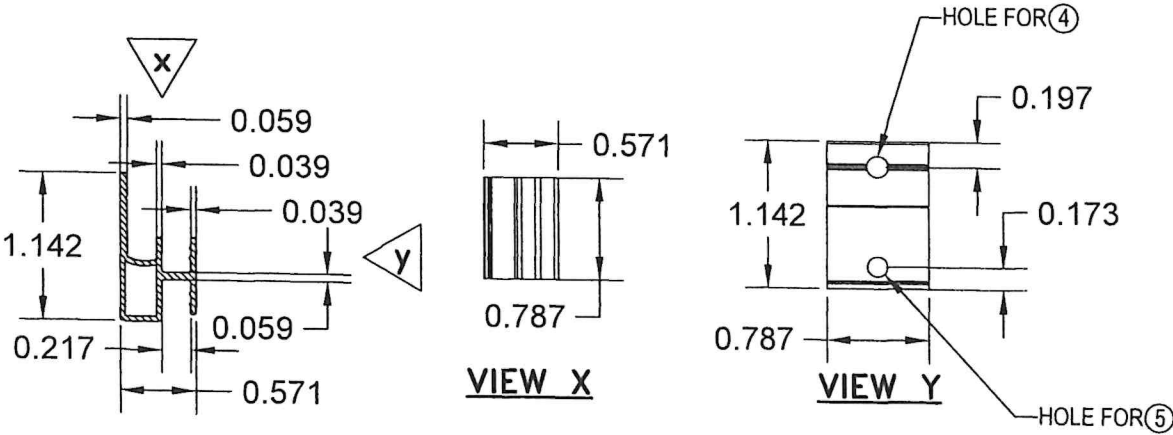
1B UH68 6" PANEL.



3 END ALUMINUM CLIP



6 WOOD FURRING



2 INTERIOR ALUMINUM CLIP

COMPONENTS
SCALE: N.T.S

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY: 11/25/2024 DATE: 24-050 DRAWING No. SHEET 13 of 24

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

REV. NO. DESCRIPTION DATE REV. NO. DESCRIPTION DATE

1 D.L. 1402ptf 02/28/25 3 4

2

© 2024 TILTECO, INC.

TILTECO INC.

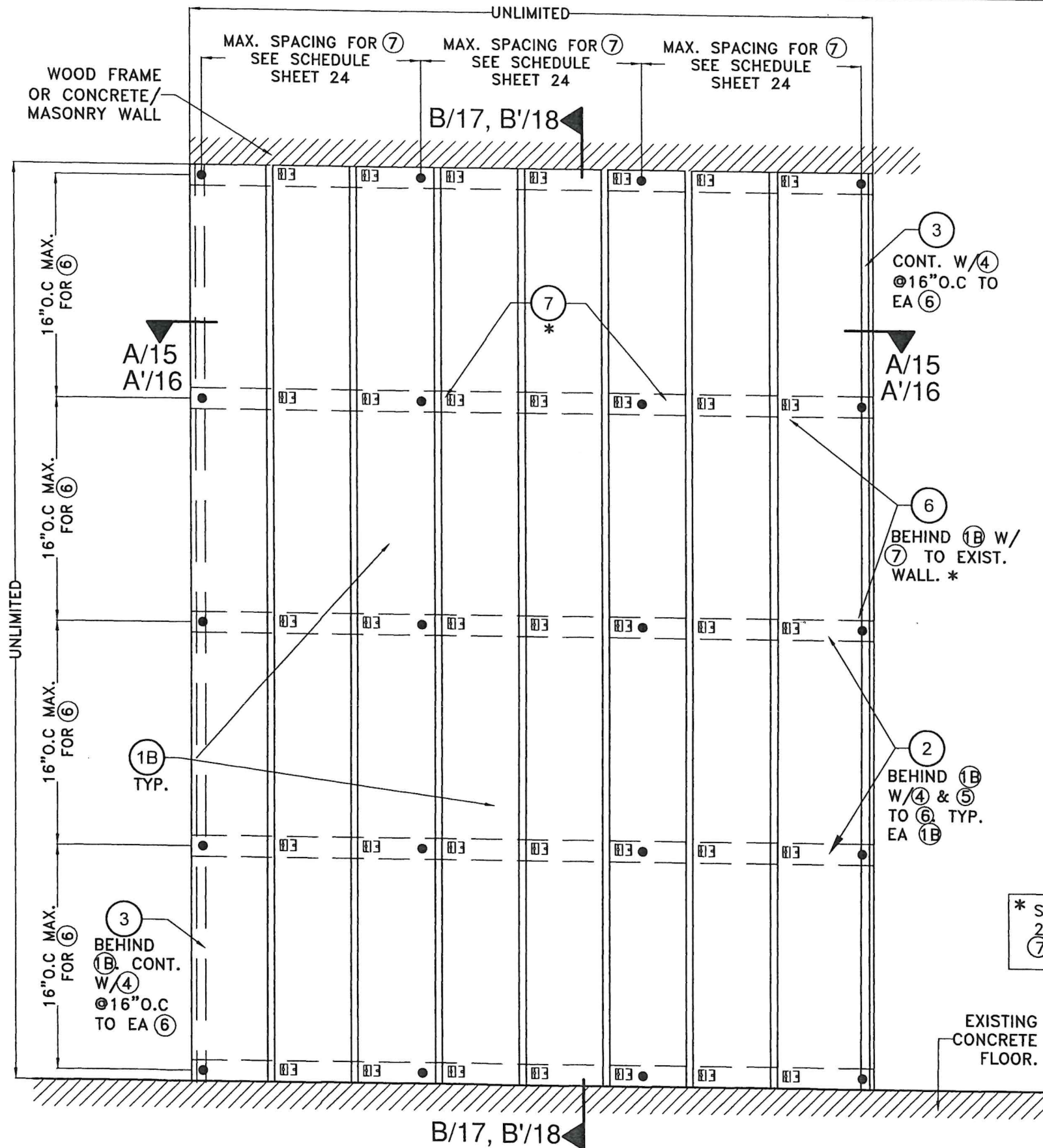
TILLIT TESTING & ENGINEERING COMPANY 305 VIRGINIA CARPENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT JR. P.E. FLORIDA Lic. # 44167

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

11/25/2024

11/25/2024

P.E. SEAL/SIGNATURE/DATE



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

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

© 2024 TILTECO, INC.

TILTECO INC.

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

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

W.H
DRAWN BY:

11/25/2024
DATE:

24-050
DRAWING No.

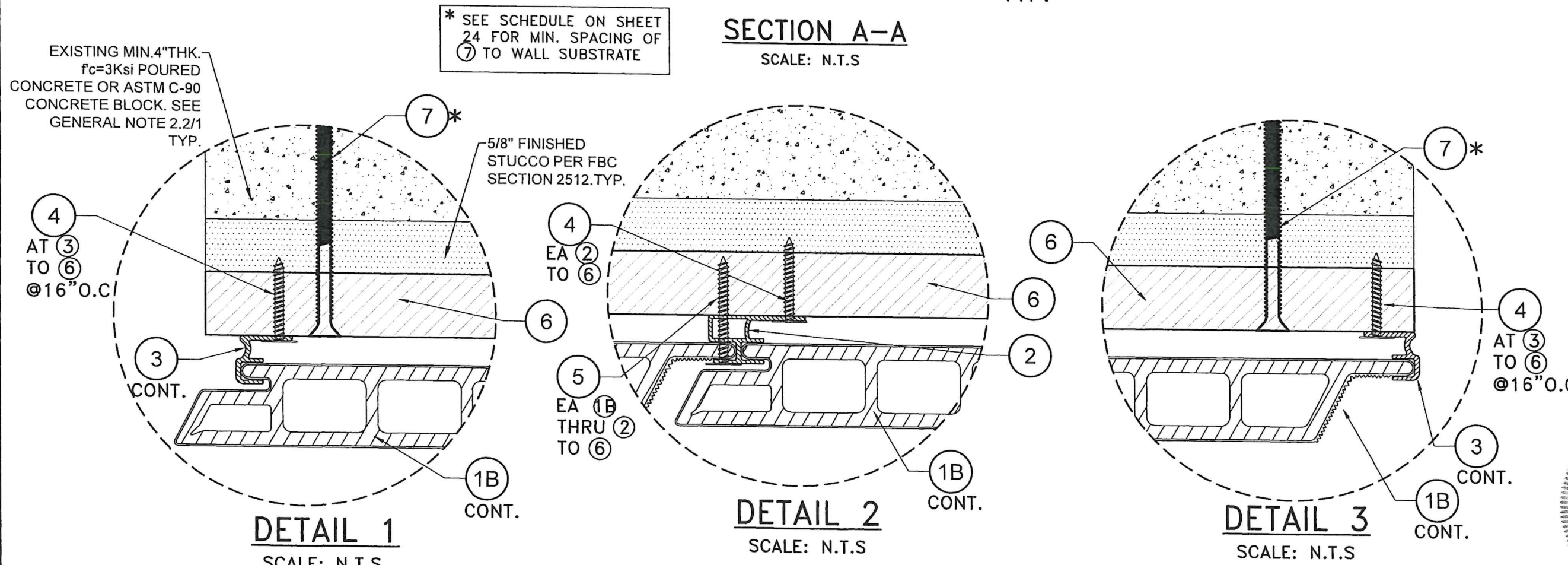
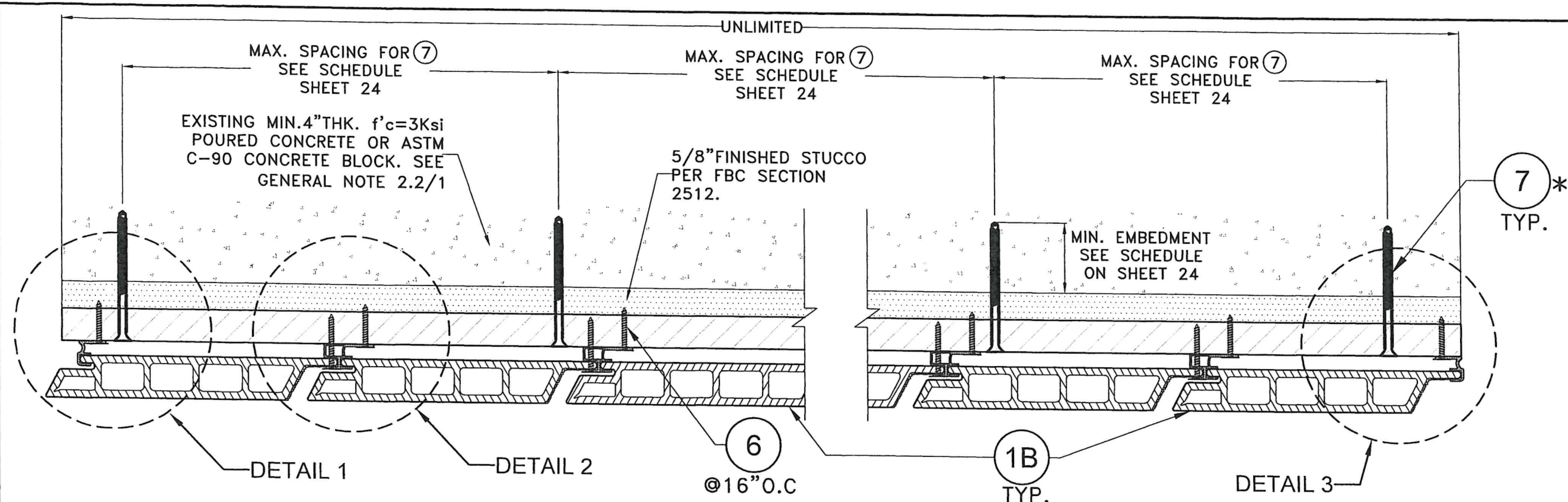
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	D.L. 1.402parf	02/28/25	3	-	-
2	-	-	4	-	-

SHEET 14 of 24

P.E. SEAL/SIGNATURE/DATE

[Signature] 11/28/2025

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



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

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY:

11/25/2024 DATE:

24-050 DRAWING No.

SHEET 15 of 24

NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

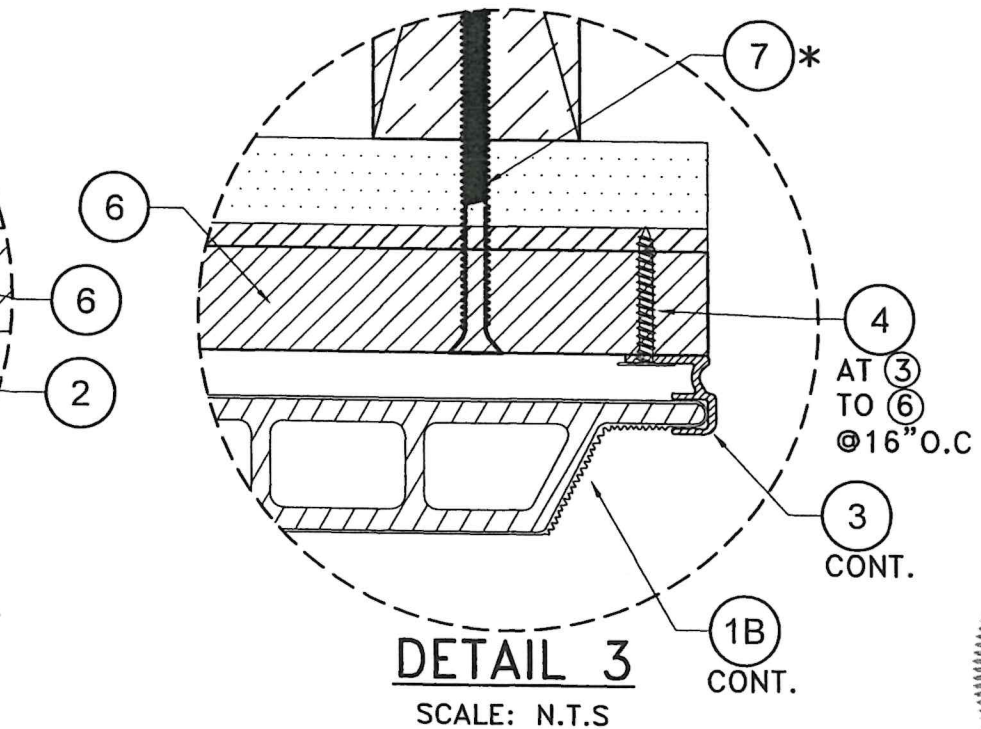
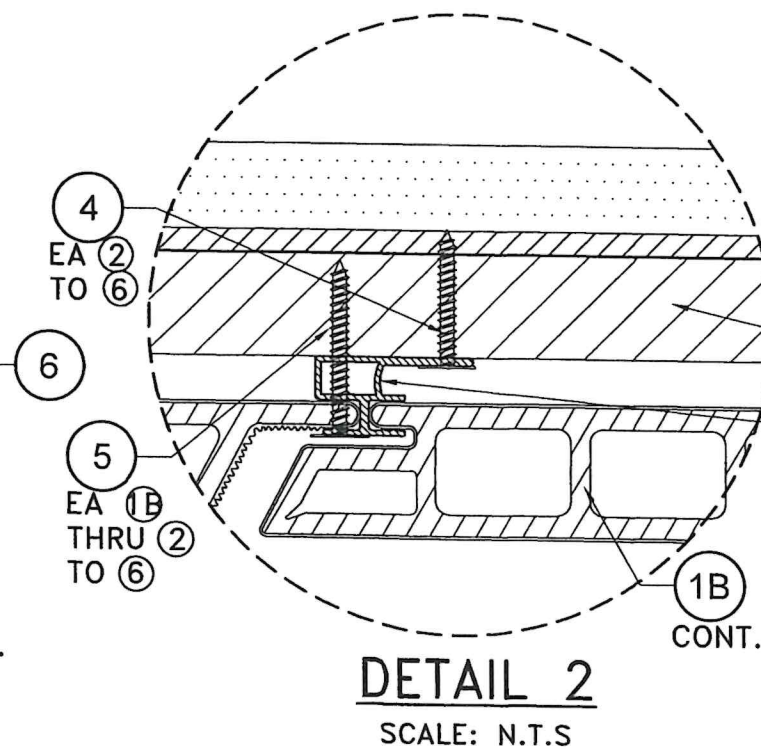
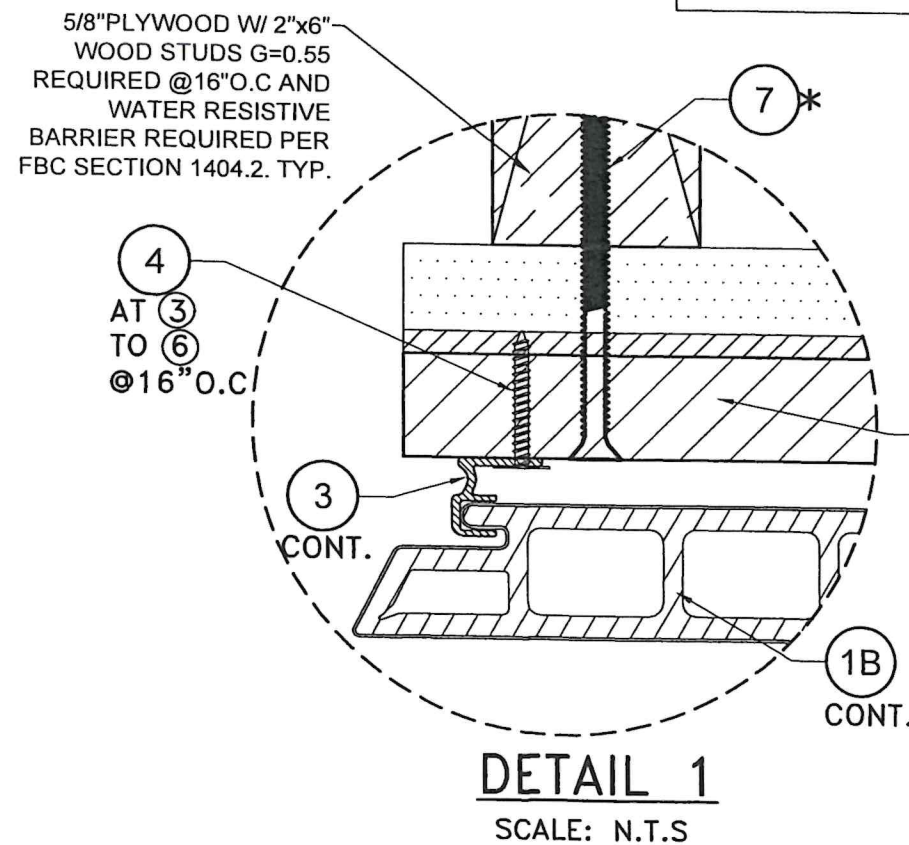
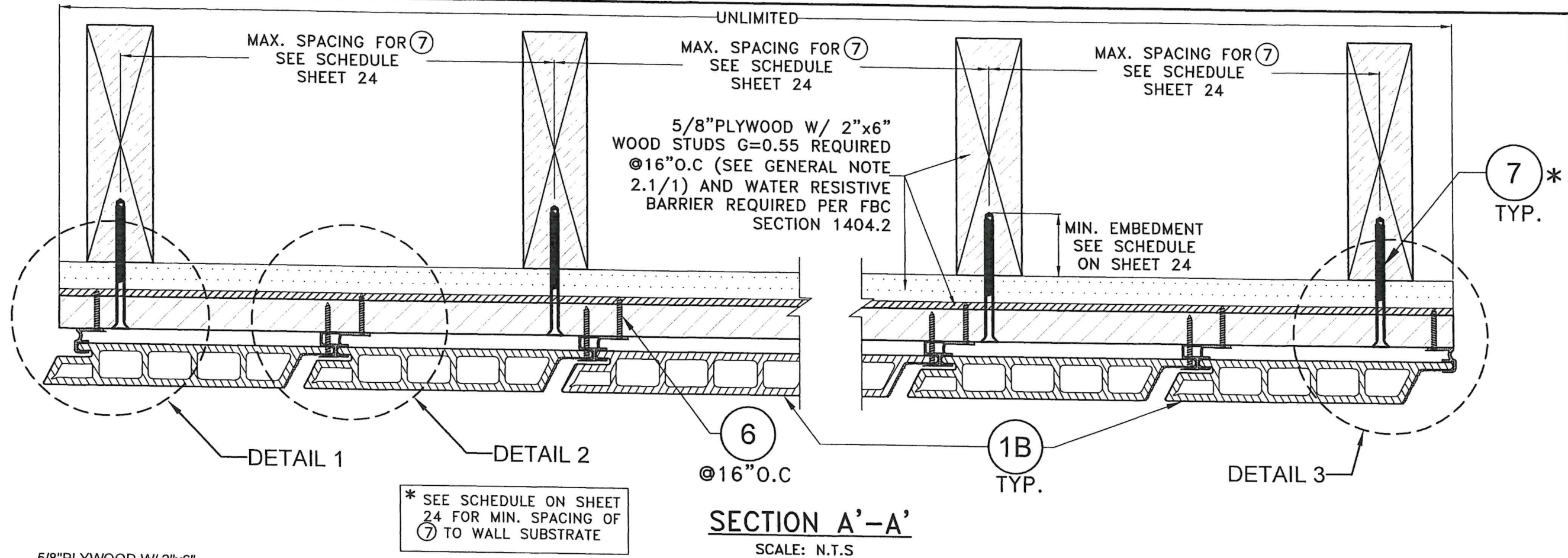
DECORATIVE EUROPEAN WALL CLADDING PANELS
UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	D.L. 1405prf	02/28/25	3		
2			4		

TILECO 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

© 2024 TILECO, INC.

P.E. SEAL/SIGNATURE/DATE



OPTIONAL SYSTEM #2: WOOD FRAME WALLS

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY: 11/25/2024 DATE: 24-050 DRAWING No. SHEET 16 of 24

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

NewTechWood
16680 Air Center Blvd.
Houston, TX 77052

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	D.L. 1402prf	02/28/23	3		
2			4		

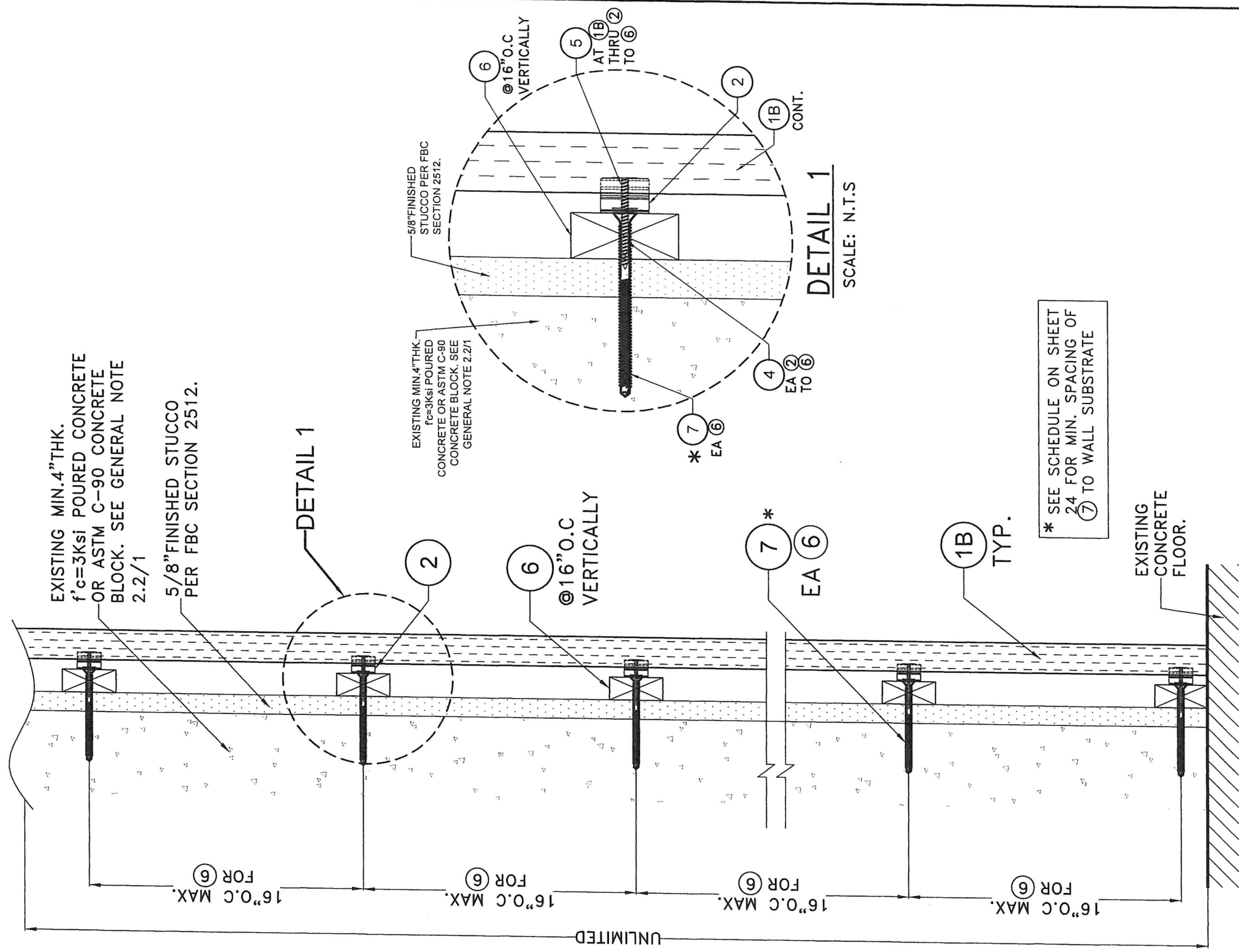
© 2024 TILTECO, INC.

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

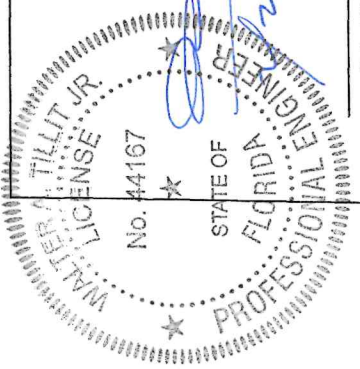
WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE



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

SCALE: N.T.S



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

© 2024 TILTECO, INC.

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

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

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	D.L 1402ptf	02/28/25	3	-	-
2	-	-	4	-	-

W.H
DRAWN BY:

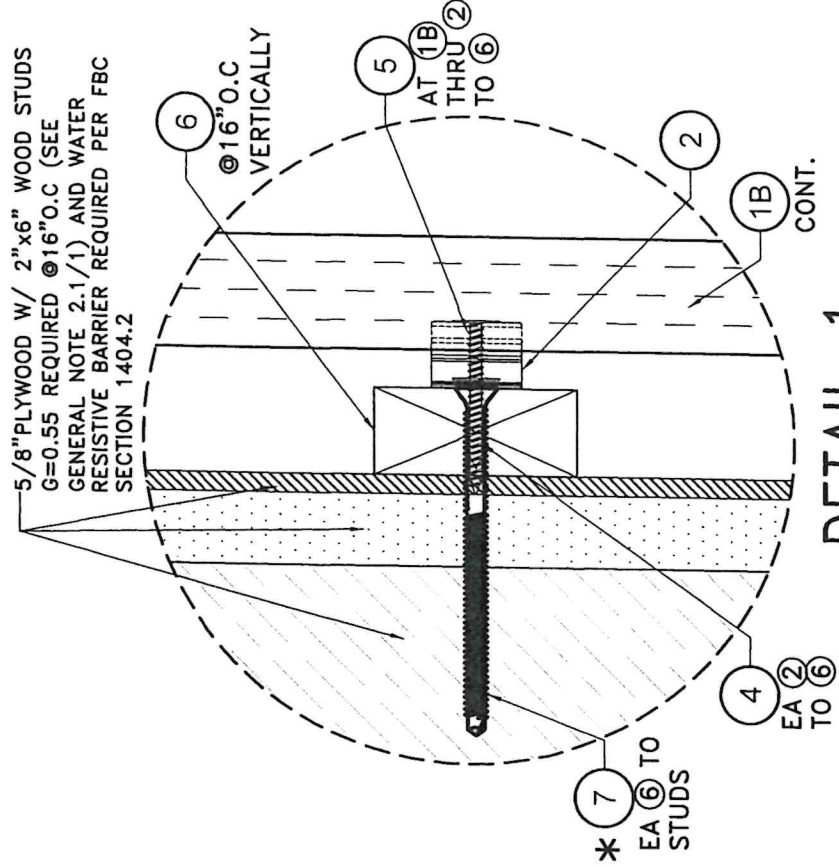
11/25/2024
DATE:

24-050
DRAWING No.

17 of **24**
SHEET

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



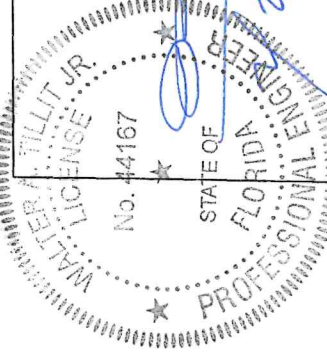
DETAIL 1
SCALE: N.T.S

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

EXISTING
CONCRETE
FLOOR.

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

SCALE: N.T.S



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

© 2024 TILTECO, INC.

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

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

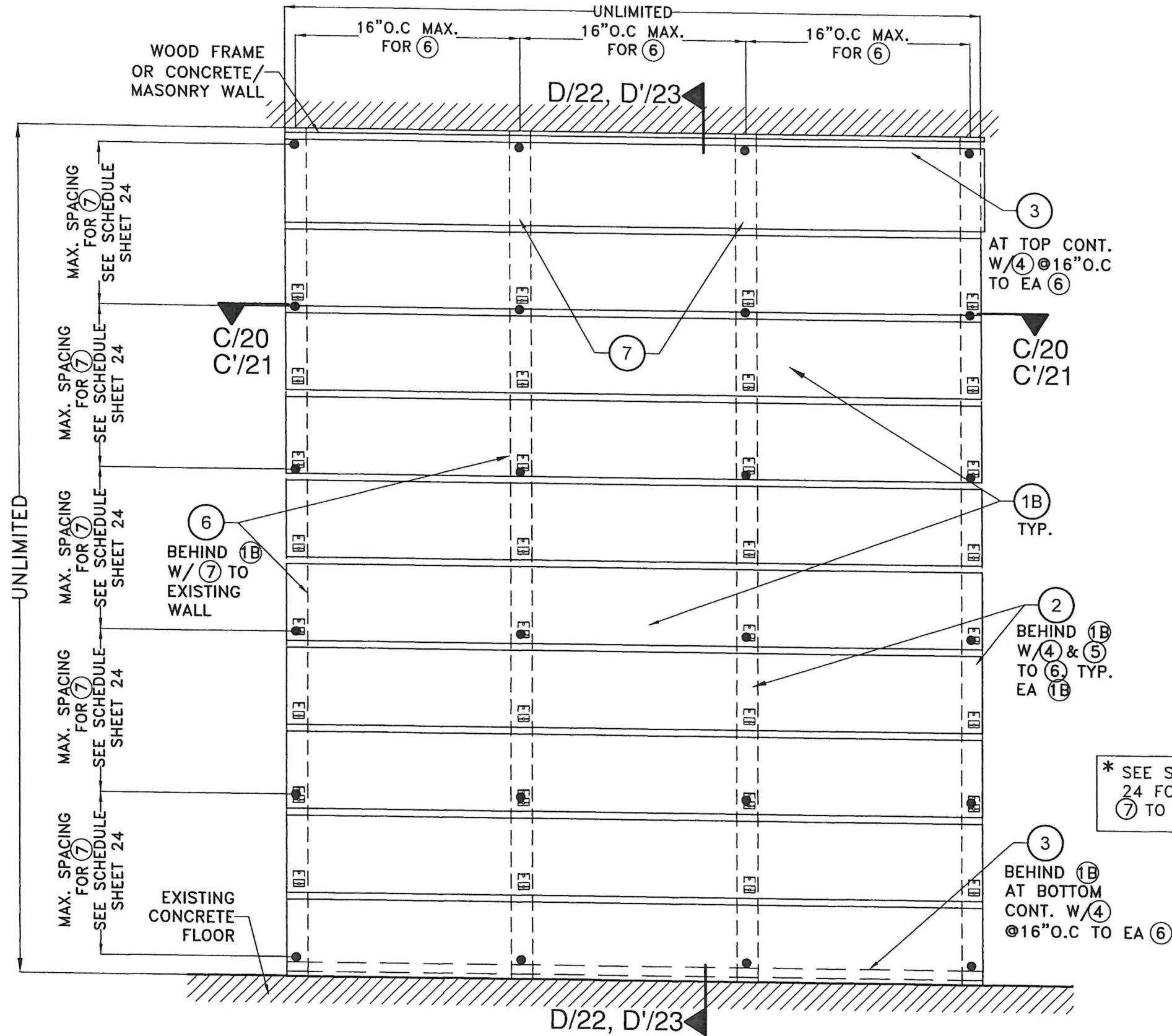
W.H
DRAWN BY:

11/25/2024
DATE:

24-050
DRAWING NO.

18 OF 24
SHEET

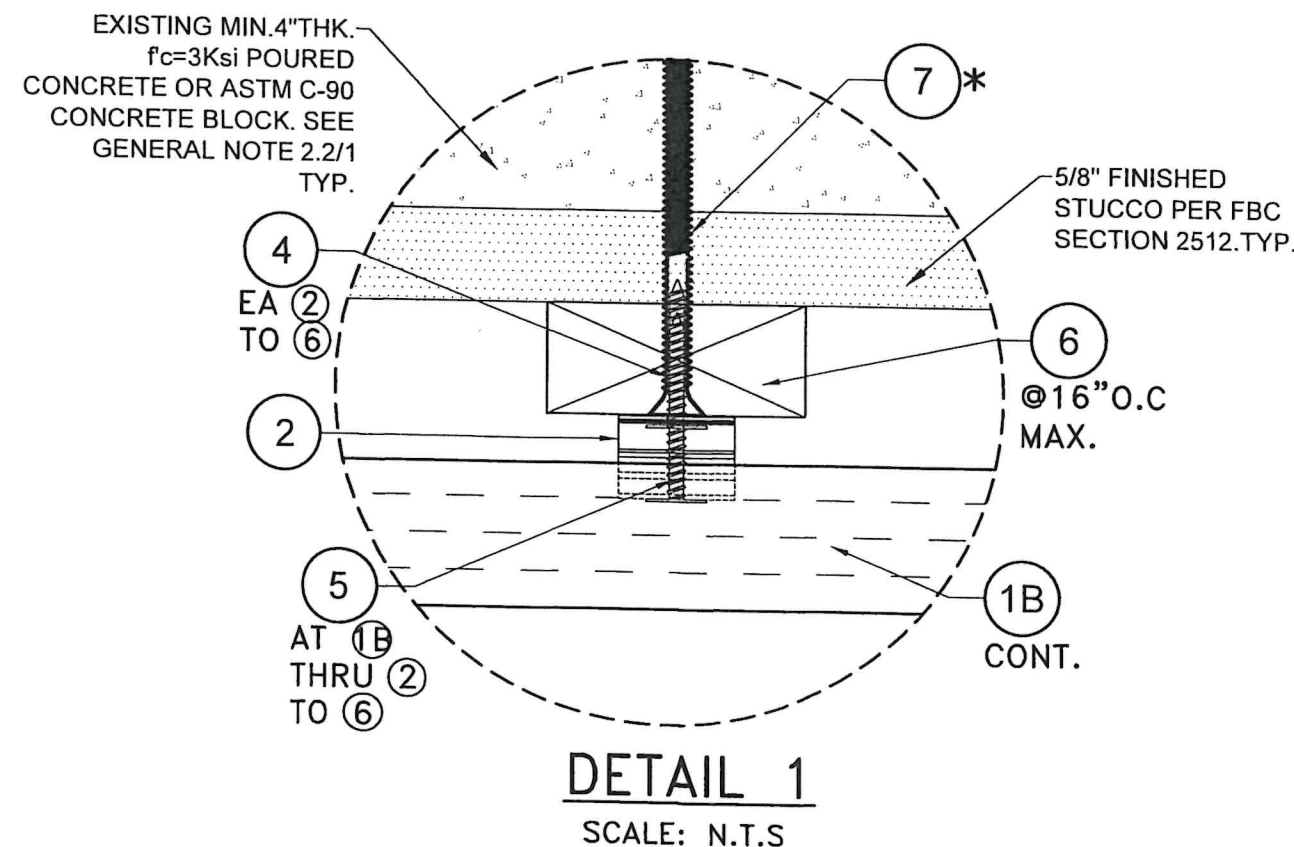
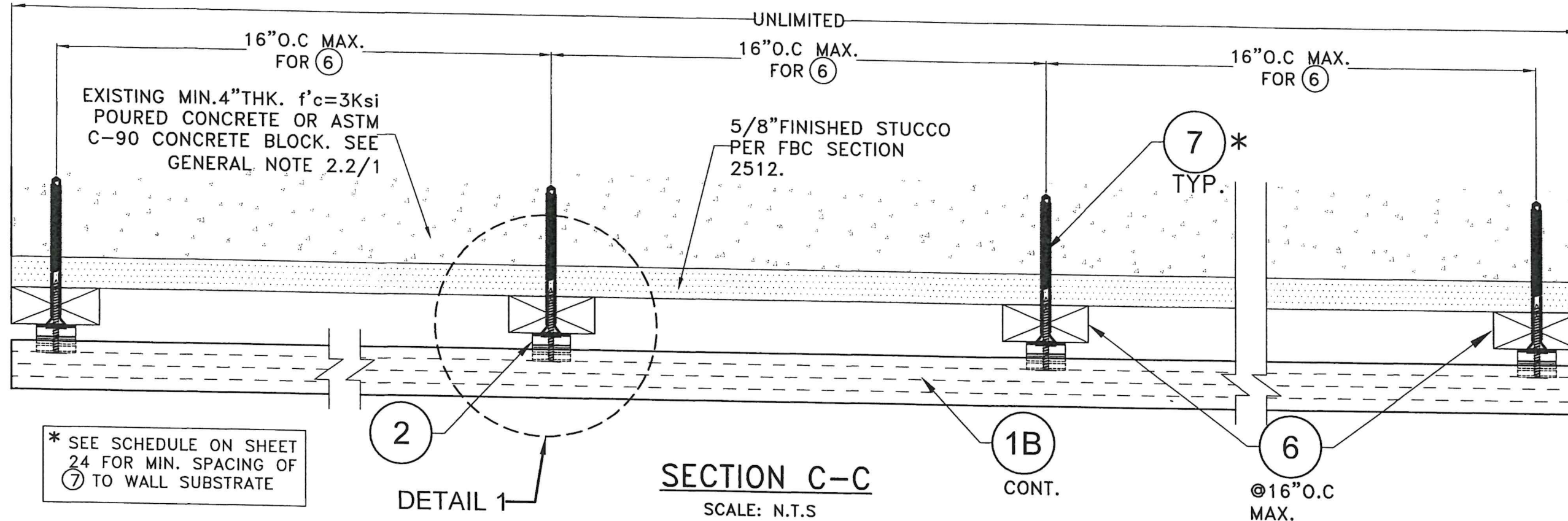
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	D.L 1403ptf	02/28/25	3	-	-
2	-	-	4	-	-



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

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

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)		W.H. DRAWN BY:		11/25/2024 DATE:		24-050 DRAWING NO.		SHEET 19 OF 24	
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. 1402pf 02/28/25 3 - -		2 - - 4 - -	
© 2024 TILTECO, INC.		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		P.E. SEAL/SIGNATURE/DATE			



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

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

© 2024 TILTECO, INC.

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

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

W.H. DRAWN BY:

11/25/2024
DATE:

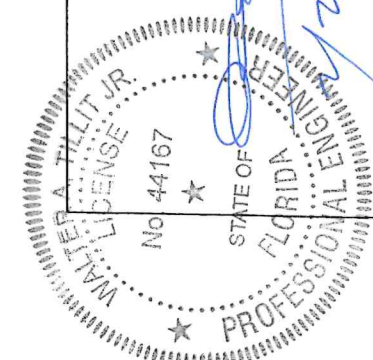
24-050
DRAWING No.

SHEET 20 of 24

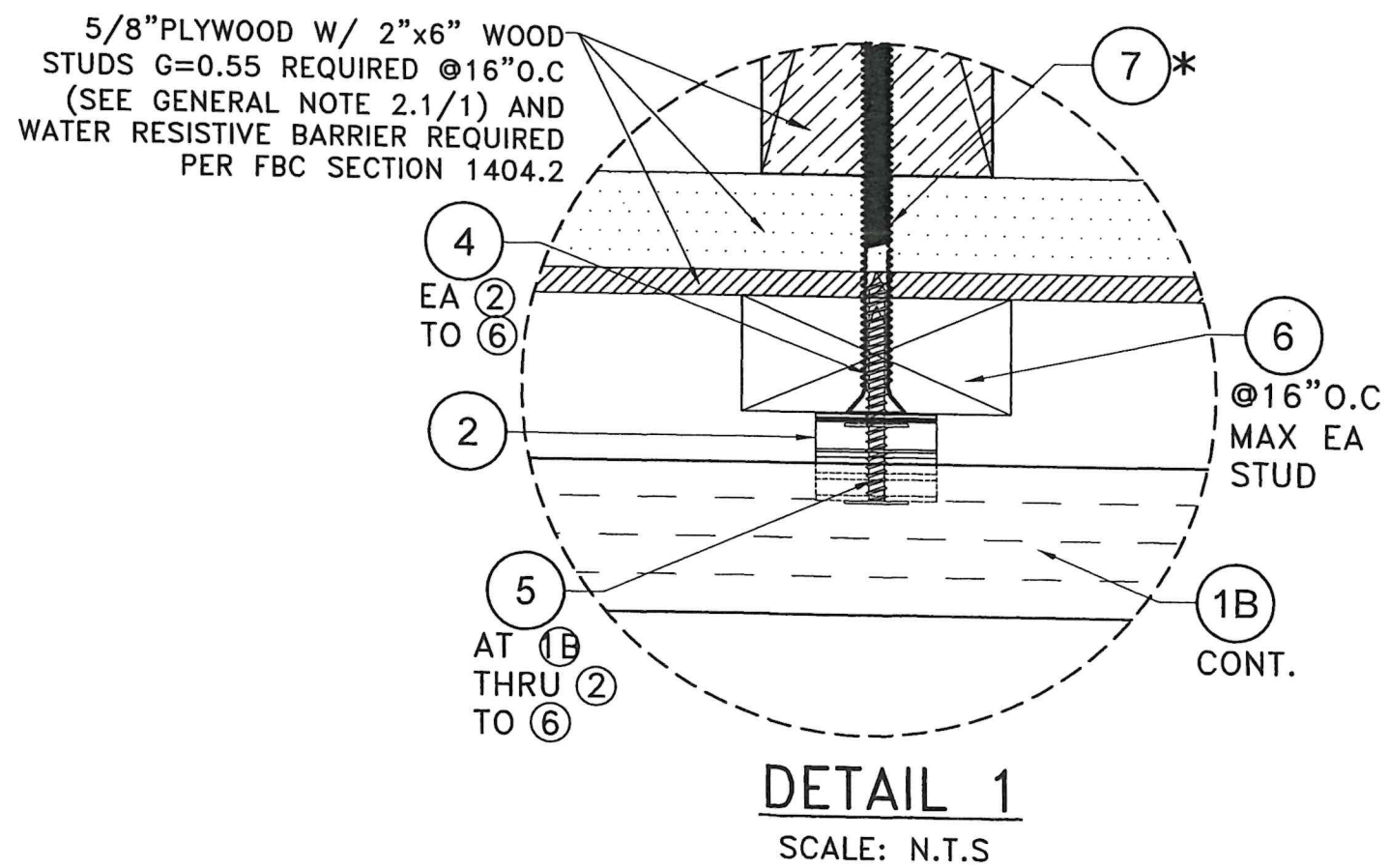
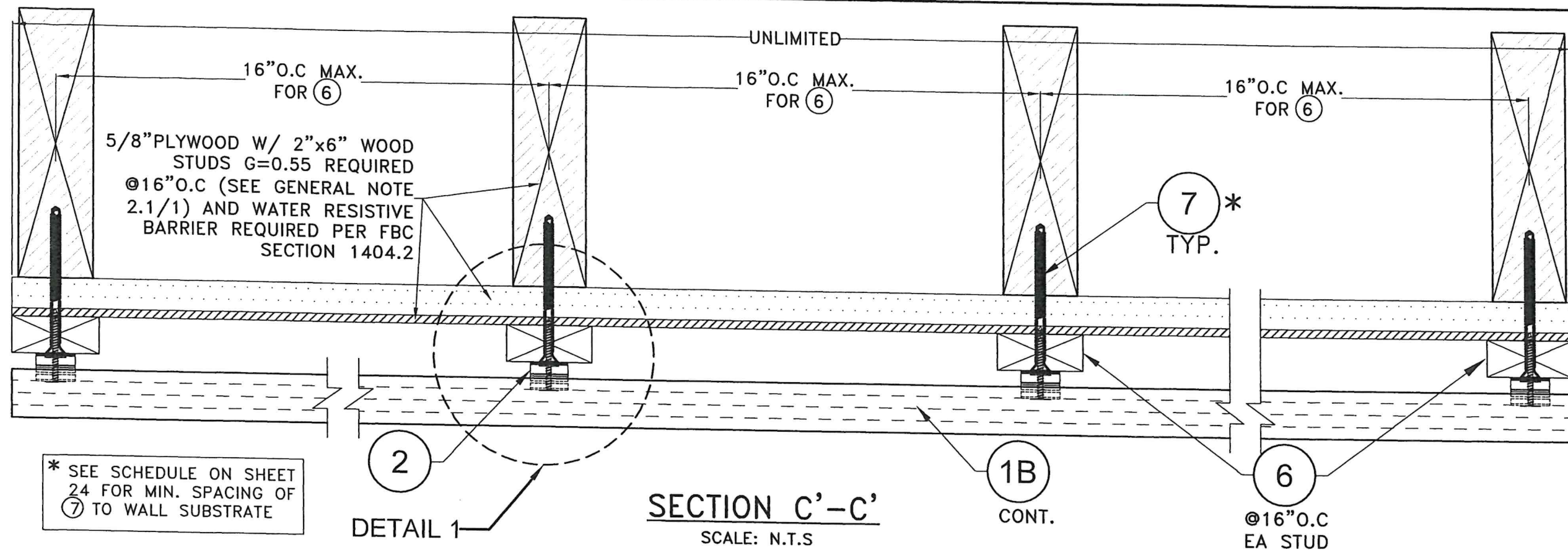


NewTechWood
16650 Air Center Blvd.
Houston, TX 77032

REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	D.L. 1402.paf	02/28/25	3	-	-
2	-	-	4	-	-



P.E. SEAL/SIGNATURE/DATE



OPTIONAL SYSTEM #2: WOOD FRAME WALLS

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY: 11/25/2024 DATE: 24-050 DRAWING No. 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. DESCRIPTION DATE

1	D.L. 1402ptf	02/28/25	3	-	-
2	-	-	4	-	-

© 2024 TILTECO, INC.

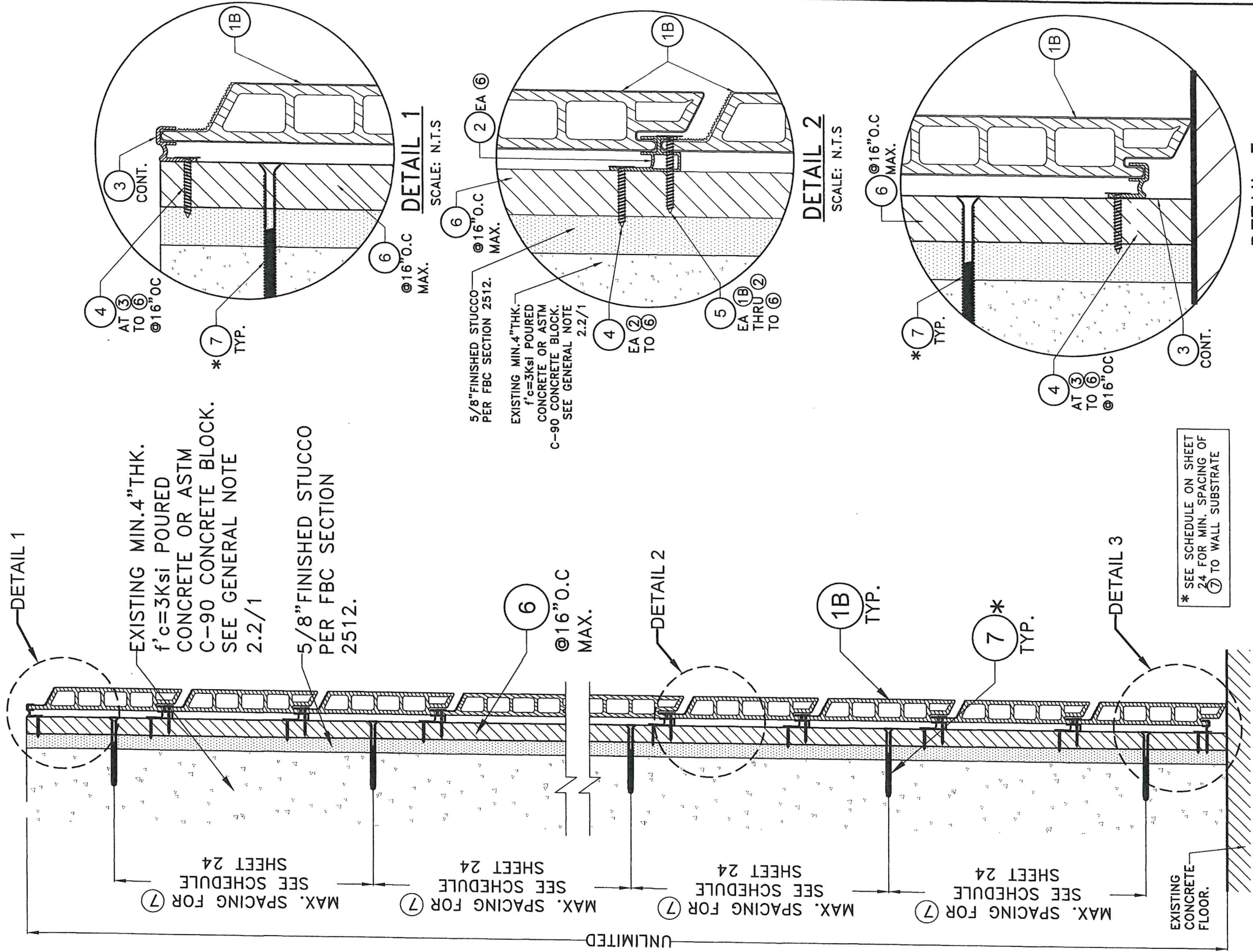
TILTECO INC.

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

P.E. SEAL/SIGNATURE/DATE

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

2/28/2025



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

SCALE: N.T.S.

© 2024 TILTECO, INC.

TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th, 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 & NON HIGH VELOCITY HURRICANE ZONE)

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

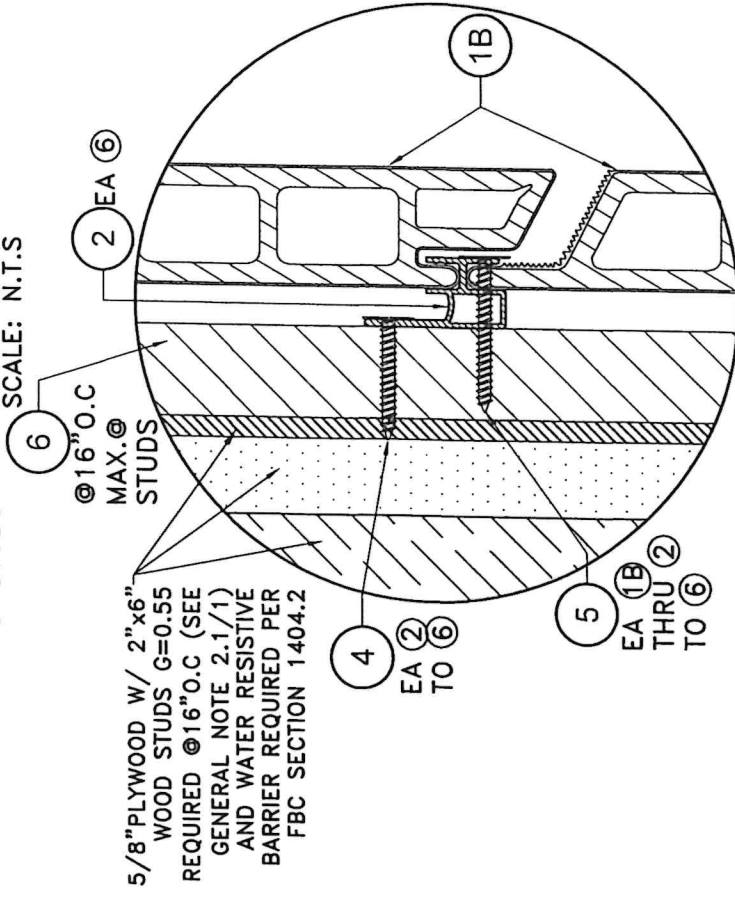
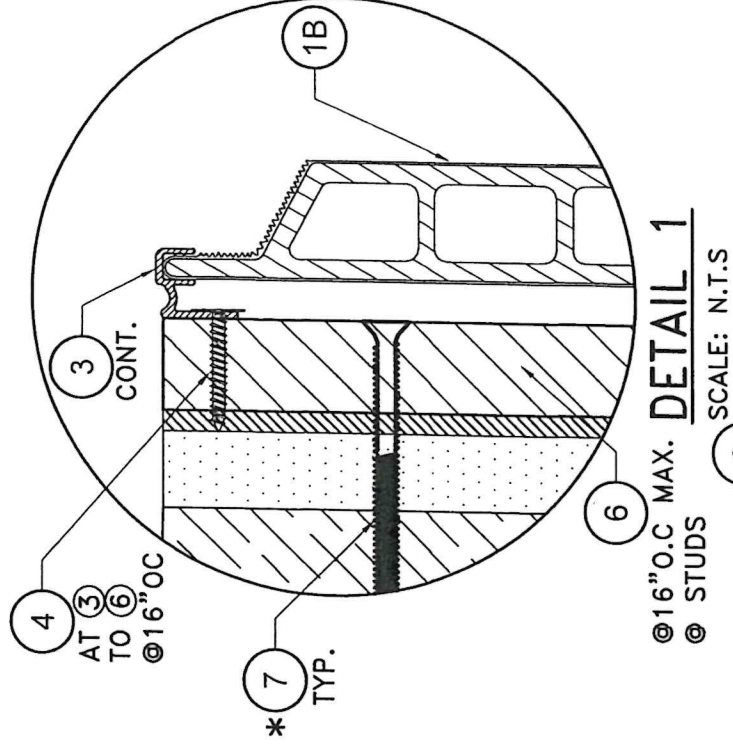
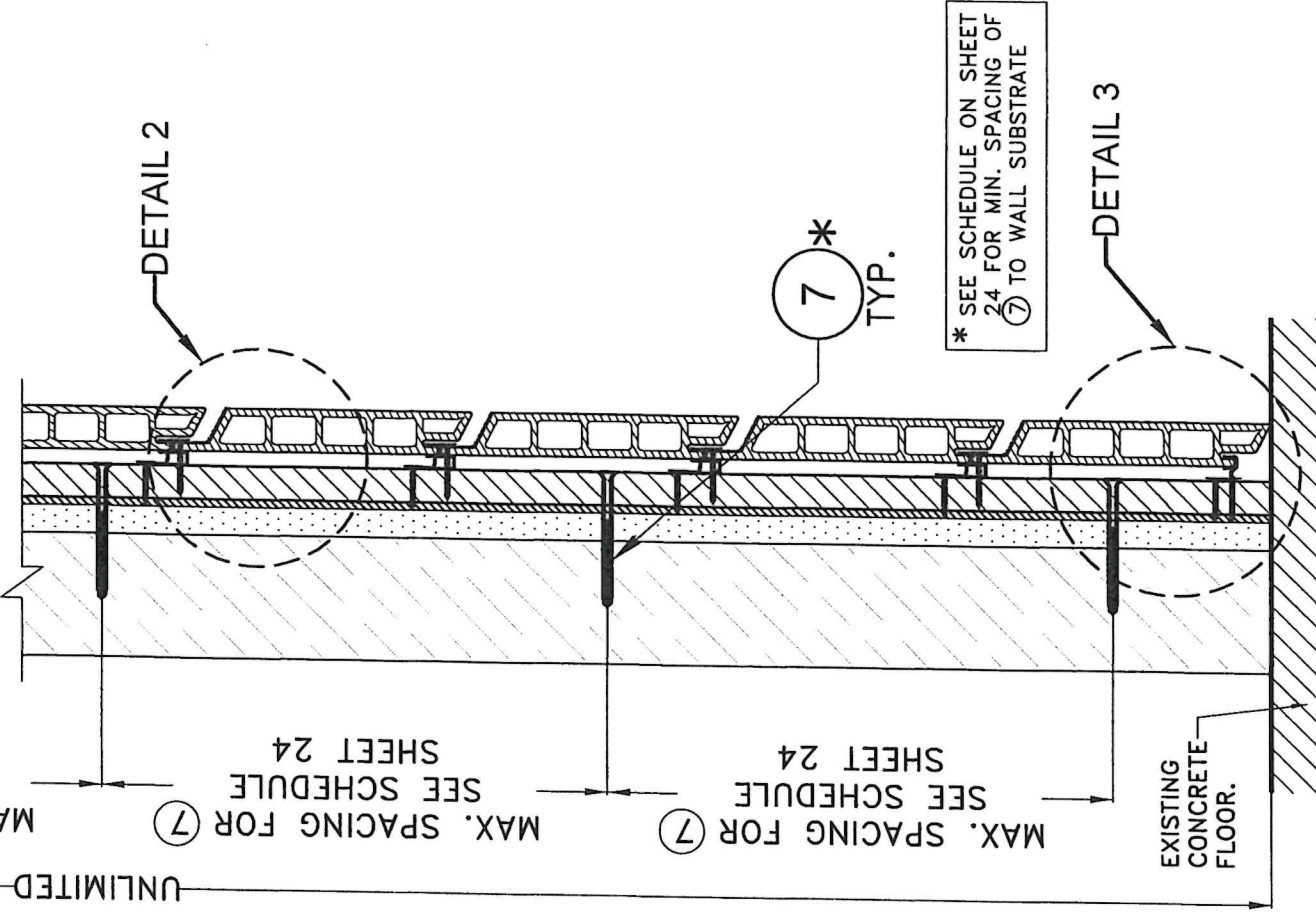
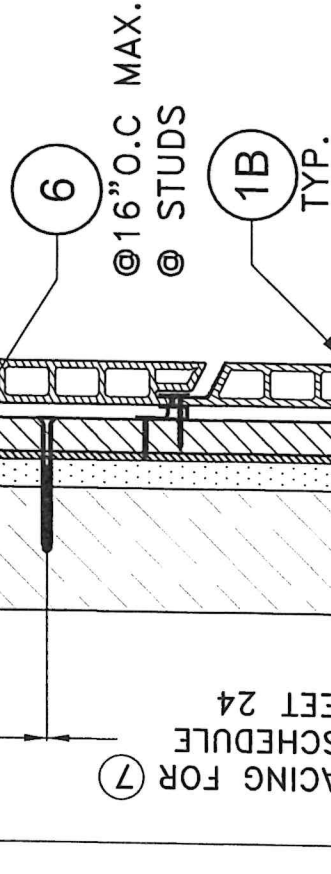
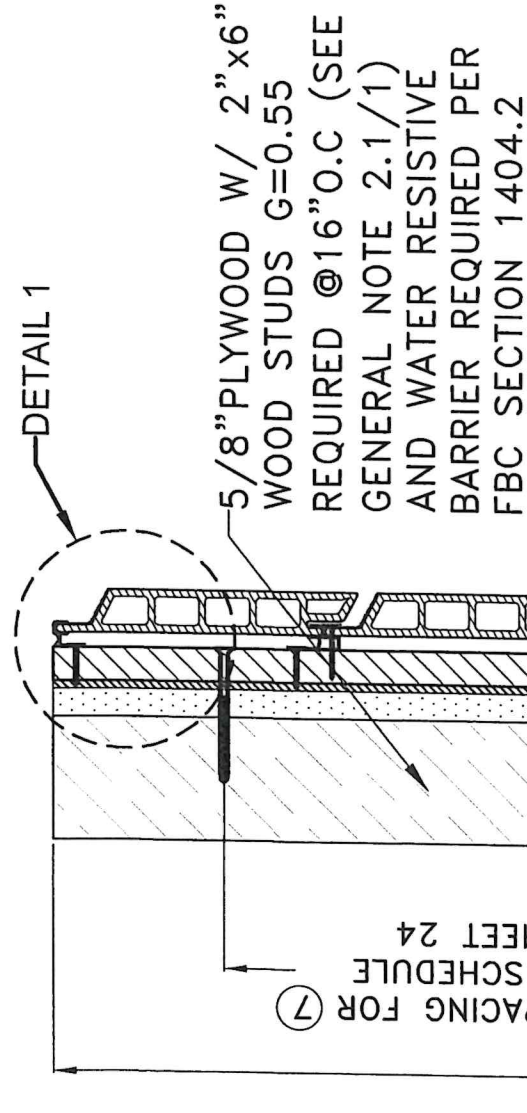
W.H.
DRAWN BY:

11/25/2024
DATE:

24-050
DRAWING No.

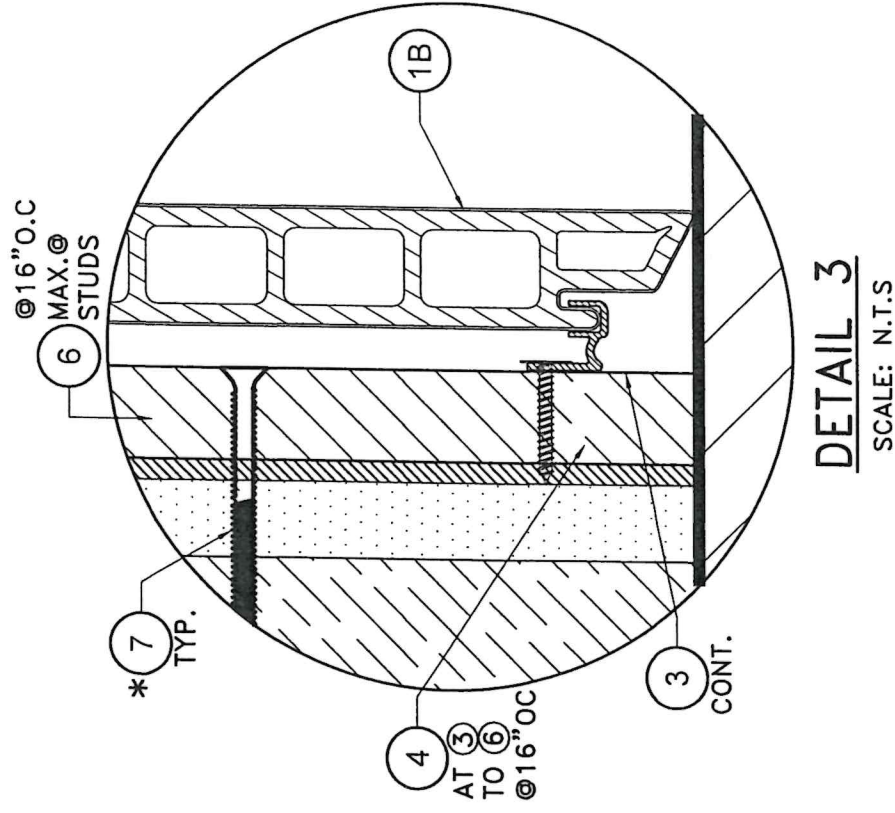
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	D.L. 1402ptf	02/28/25	3	-	-
2	-	-	4	-	-

SHEET 22 of 24



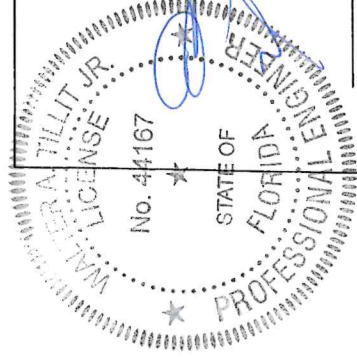
DETAIL 2

SCALE: N.T.S.



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

SCALE: N.T.S.



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

© 2024 TILTECO, INC.				TILTECO INC.				DECORATIVE EUROPEAN WALL CLADDING PANELS UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)				W.H DRAWN BY:	
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								11/25/2024 DATE:					
24-050 DRAWING No.				NewTechWood 16880 Air Center Blvd, Houston, TX 77032									
REV. NO		DESCRIPTION		DATE		REV. No		DESCRIPTION		DATE			
1		D.L 1402.pdf		02/28/23		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)

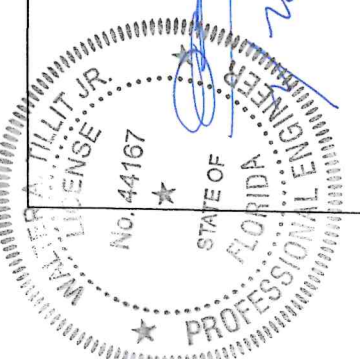
FLORIDA BUILDING CODE (HIGH & NON HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY:		11/25/2024 DATE:		24-050 DRAWING No.		SHEET 24 of 24	
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	DATE	DESCRIPTION	REV. No	DATE
1	D.L. 1405psf	02/28/25	3	-	-	4	-
2	-	-	-	-	-	-	-

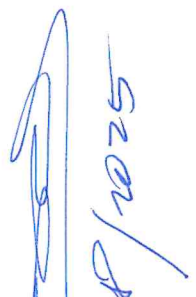
© 2024 TILTECO, INC.

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



P.E. SEAL/SIGNATURE/DATE



28/10/25