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/cm³ (71.1lb/ft³)
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)

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

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

NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

DRAWN BY: W.H
DATE: 11/25/2024
DRAWING No. 24-050
SHEET 1 OF 24

REV. NO	DESCRIPTION	DATE
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REV. No	DESCRIPTION	DATE
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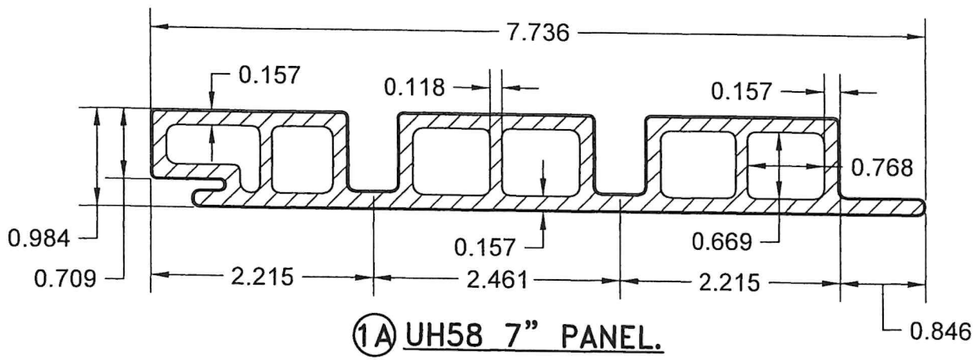
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2/28/2025

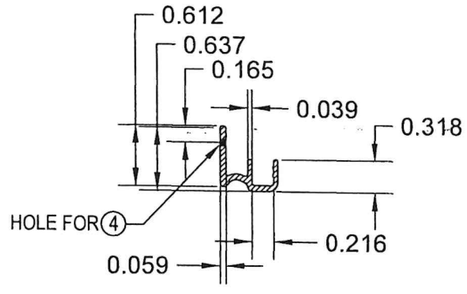
P.E. SEAL/SIGNATURE/DATE

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

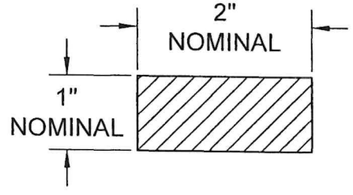
COMPONENT No.	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
(1A)	UH58 7" PANEL.	SEE COMPONENT DETAIL	COMPOSITE PLASTIC WOOD BY NEW TECH WOOD	NEW TECH WOOD	CLADDING PLANK
(2)	INTERIOR ALUMINUM CLIP	SEE COMPONENT DETAIL	6063-T5 ALUMINUM ALLOY	–	USE AT CONNECTION OF (1A) TO (6) W/ (4) & (5)
(3)	END 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.



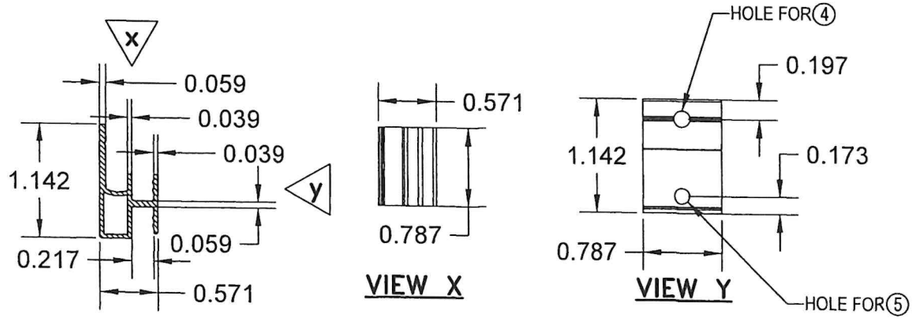
(1A) UH58 7" PANEL.



(3) END ALUMINUM CLIP



(6) WOOD FURRING



(2) INTERIOR ALUMINUM CLIP

COMPONENTS
SCALE: N.T.S

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

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

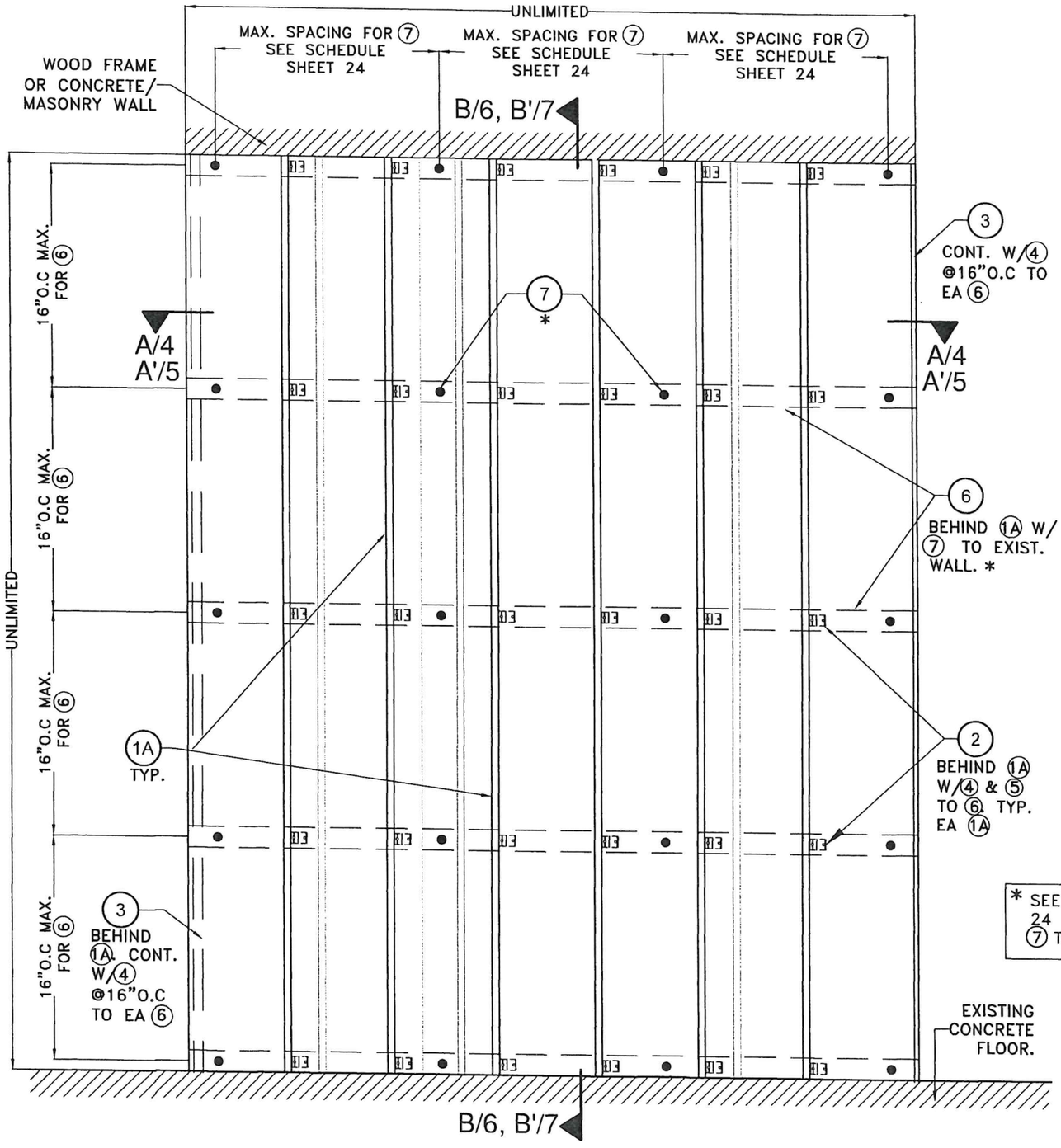
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2/28/25



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

SCALE: N.T.S

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

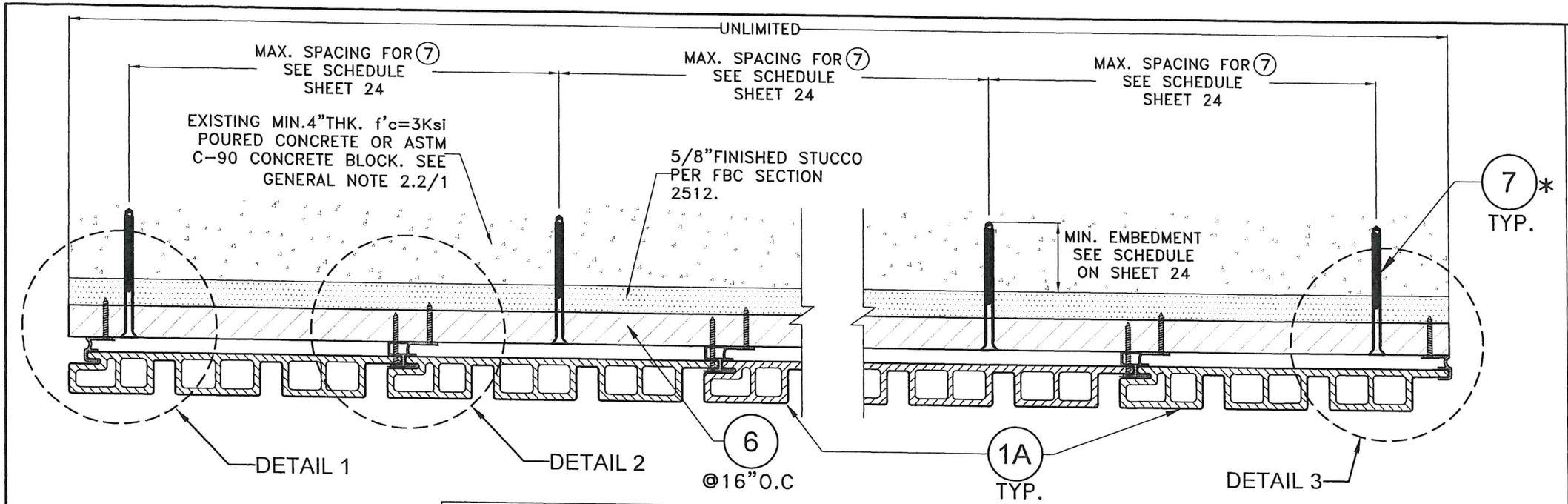
NewTechWood
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Houston, TX 77032

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DRAWN BY: W.H
DATE: 11/25/2024
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SHEET 3 OF 24

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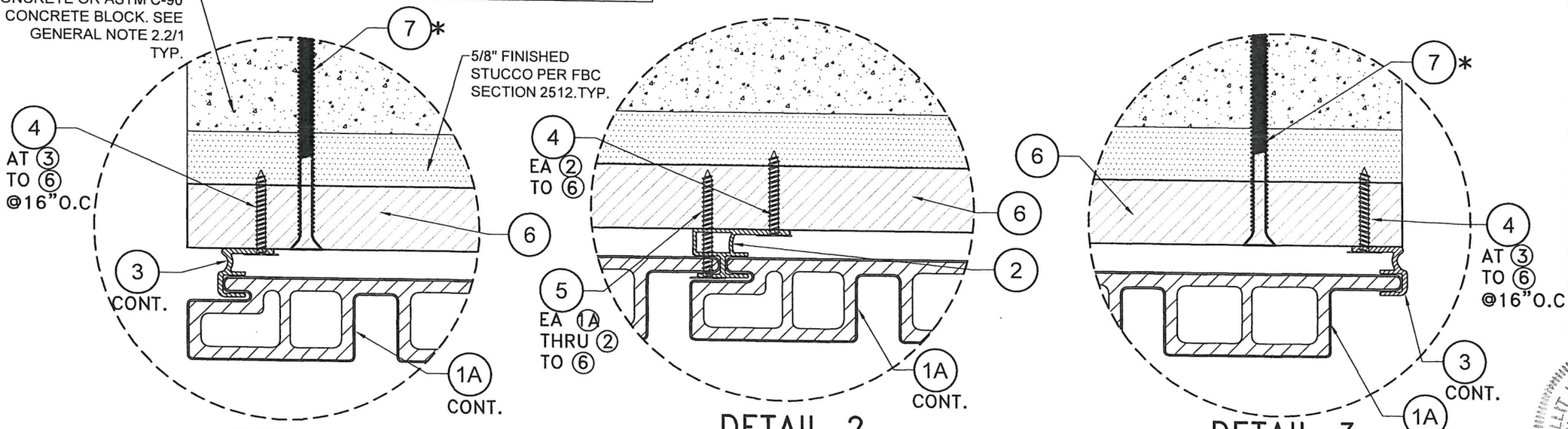
P.E. SEAL/SIGNATURE/DATE



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

SECTION A–A

SCALE: N.T.S



DETAIL 1

SCALE: N.T.S

DETAIL 2

SCALE: N.T.S

DETAIL 3

SCALE: N.T.S

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

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

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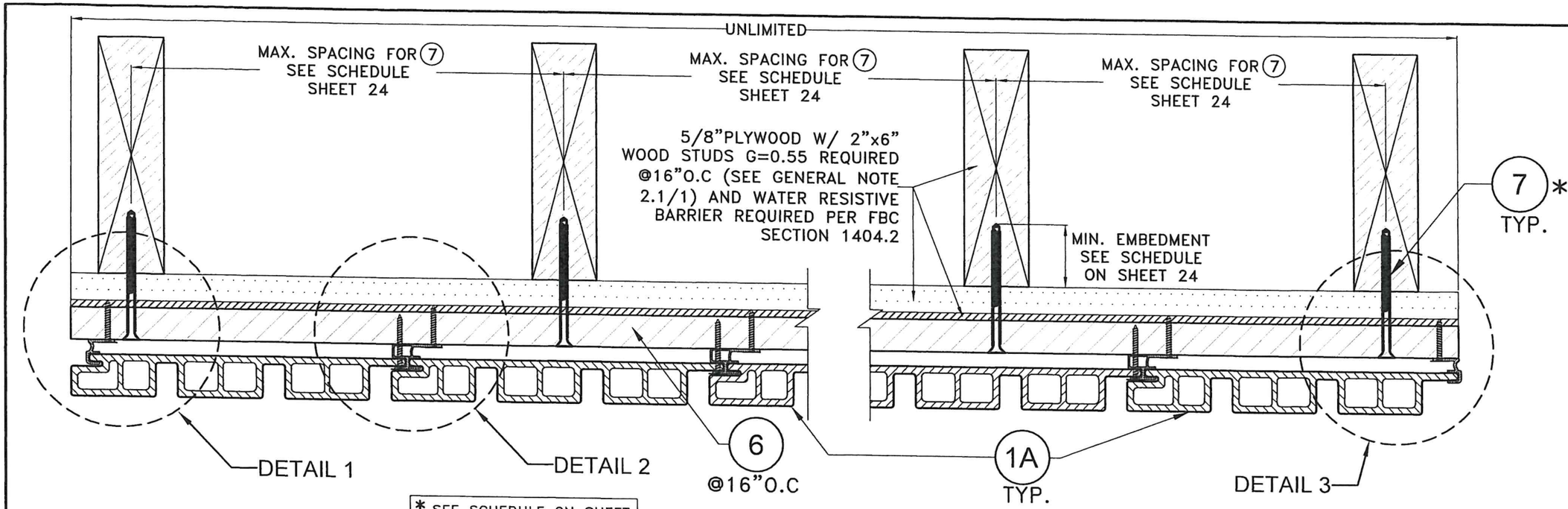
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W.H	11/25/2024	24-050	4 OF 24

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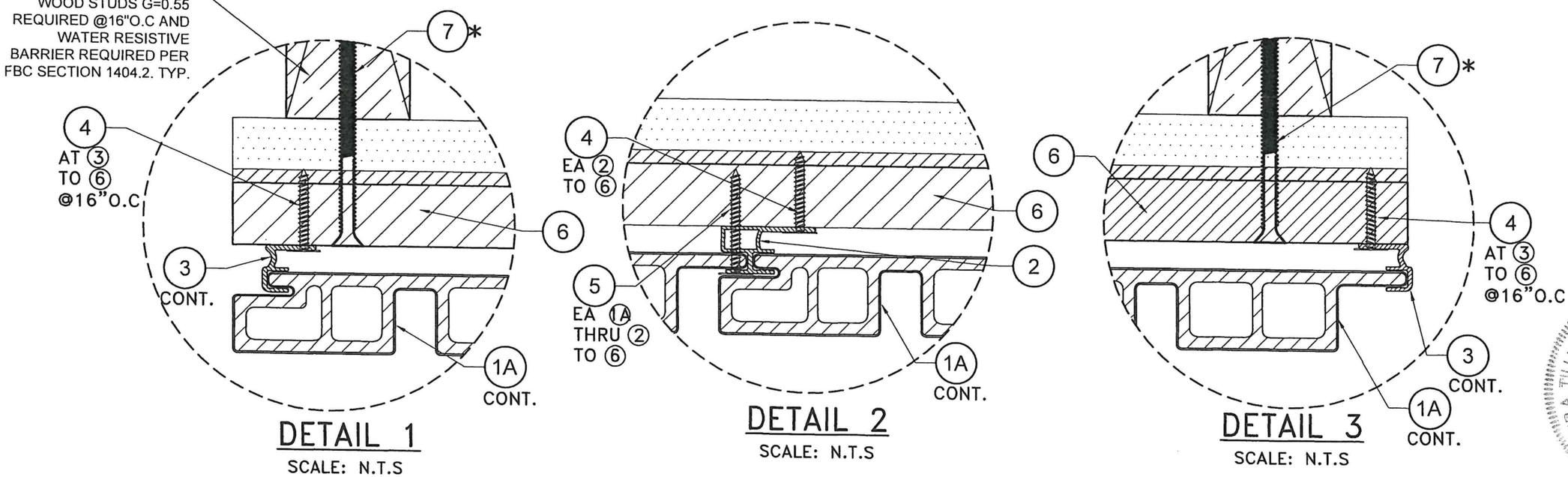
5/28/2025



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

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

OPTIONAL SYSTEM #1: WOOD FRAME WALLS

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

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

REV. NO	DESCRIPTION	DATE
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DESCRIPTION | DATE

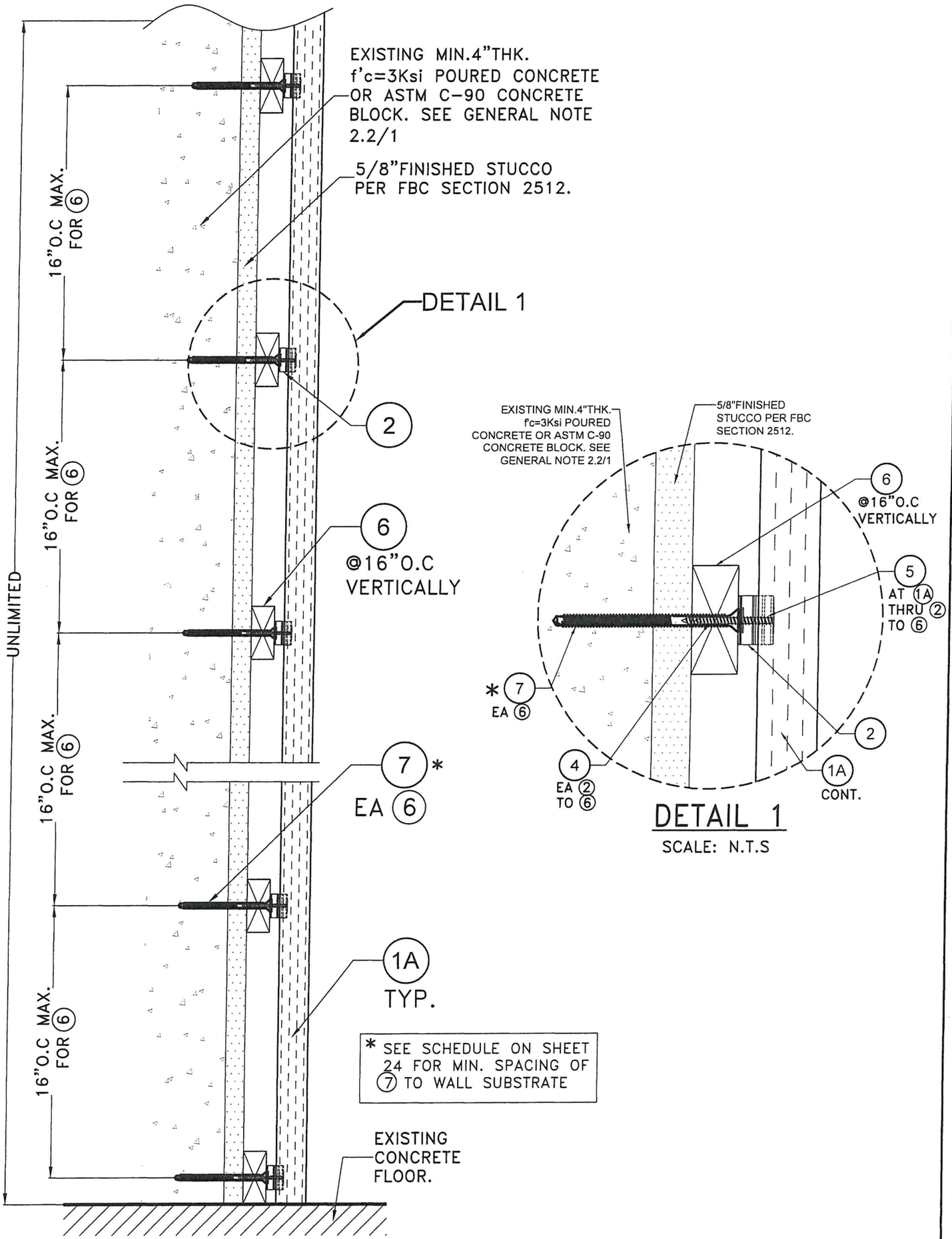
W.H DRAWN BY:
11/25/2024 DATE:
24-050 DRAWING No.
SHEET 5 OF 24

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DETAIL 1

SCALE: N.T.S

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

SCALE: N.T.S

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

2/28/2025

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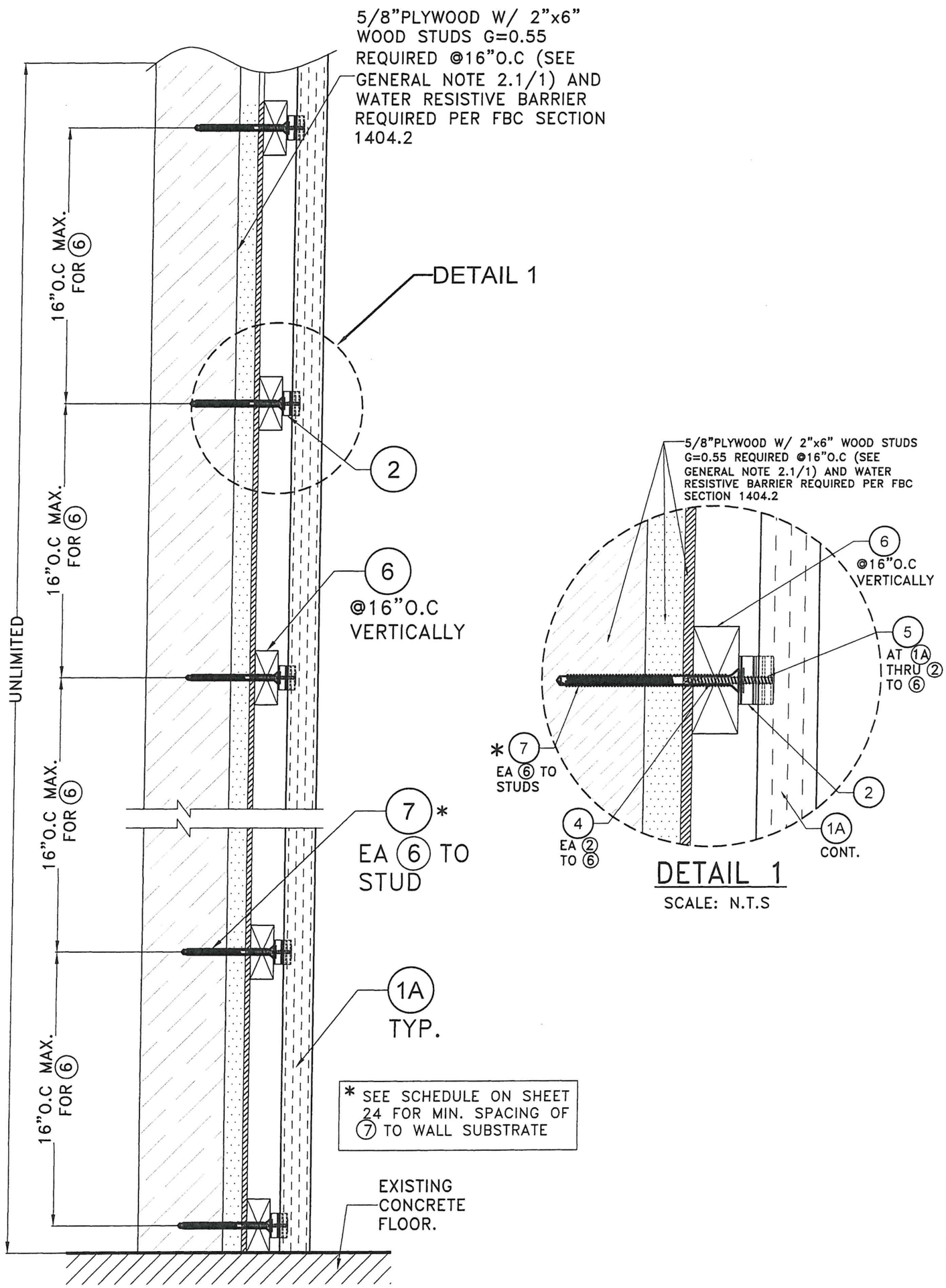
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DECORATIVE EUROPEAN WALL CLADDING PANELS UH58 7" (SYSTEM #1) & UH68 6" (SYSTEM #2)

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DRAWN BY:
11/25/2024
DATE:
24-050
DRAWING No.
SHEET 6 OF 24



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

SCALE: N.T.S

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

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

W.H DRAWN BY:

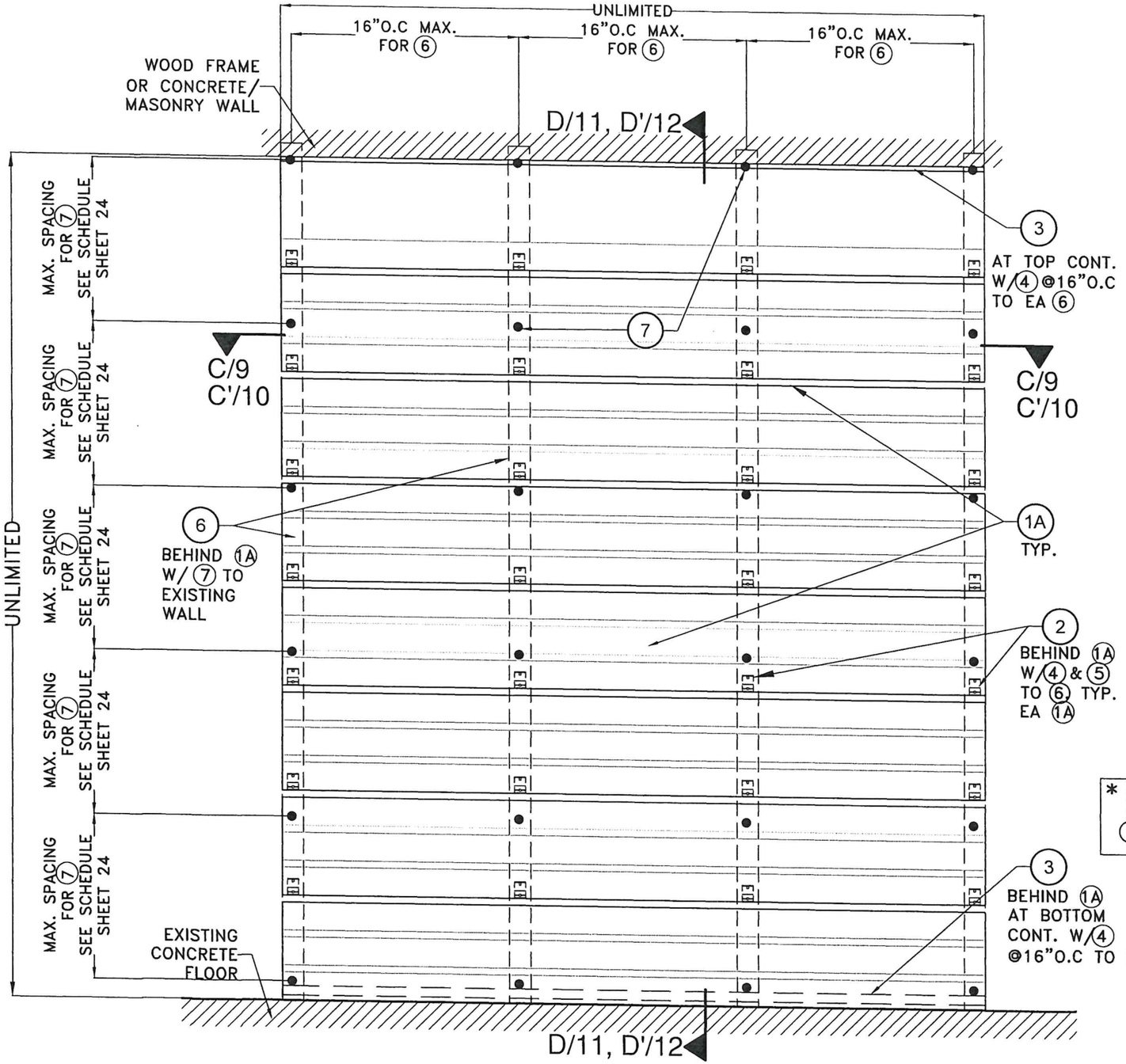
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Houston, TX 77032

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24-050 DRAWING No.

SHEET 7 OF 24

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2	–	–	4	–	–



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

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)

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

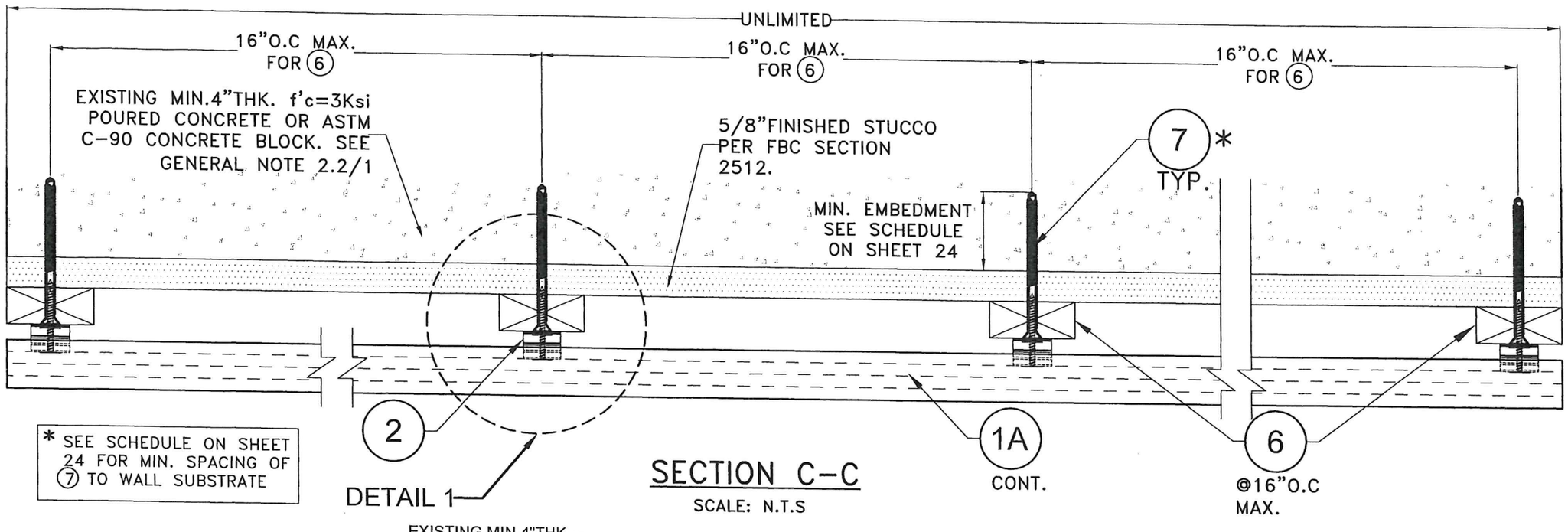
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16680 Air Center Blvd,
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DRAWN BY: W.H
DATE: 11/25/2024
DRAWING No. 24-050
SHEET 8 OF 24

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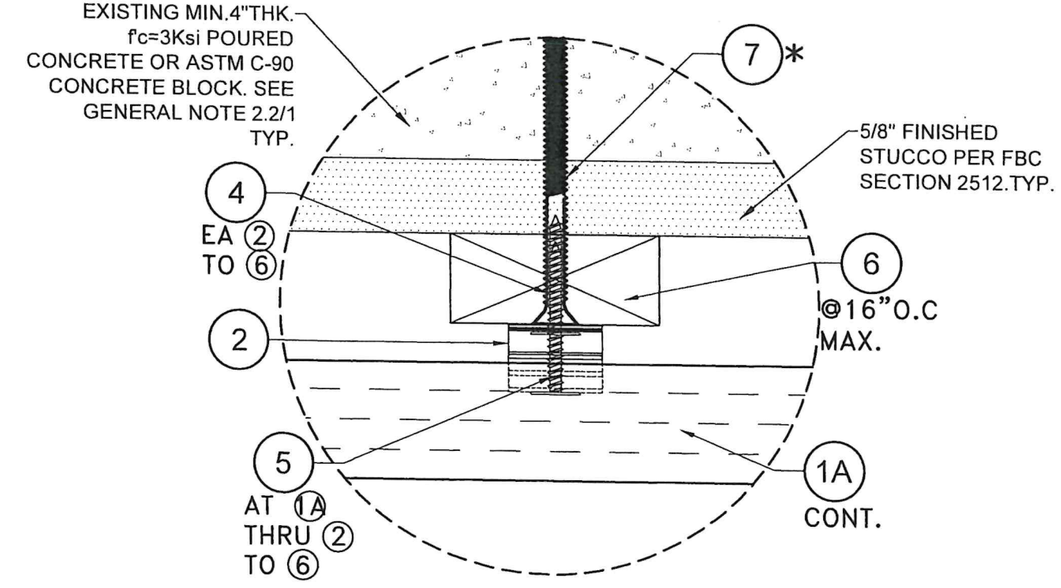
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SECTION C-C

SCALE: N.T.S



DETAIL 1

SCALE: N.T.S

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

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

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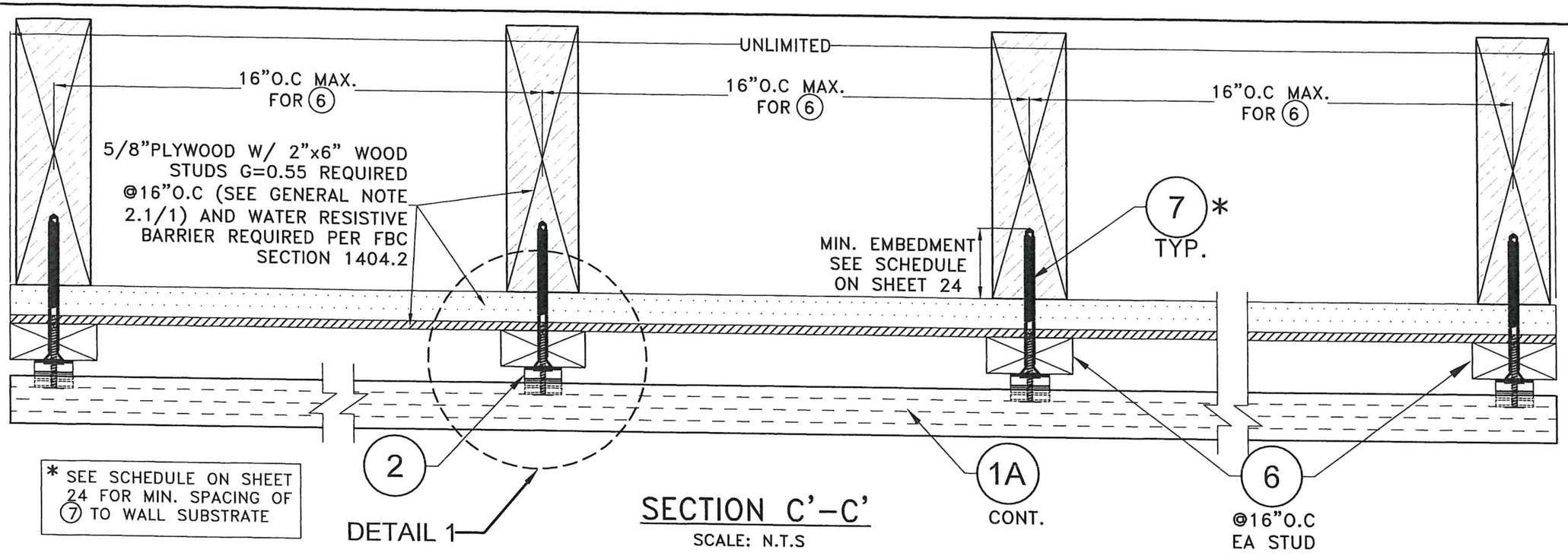
28/2025

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

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16680 Air Center Blvd,
Houston, TX 77032

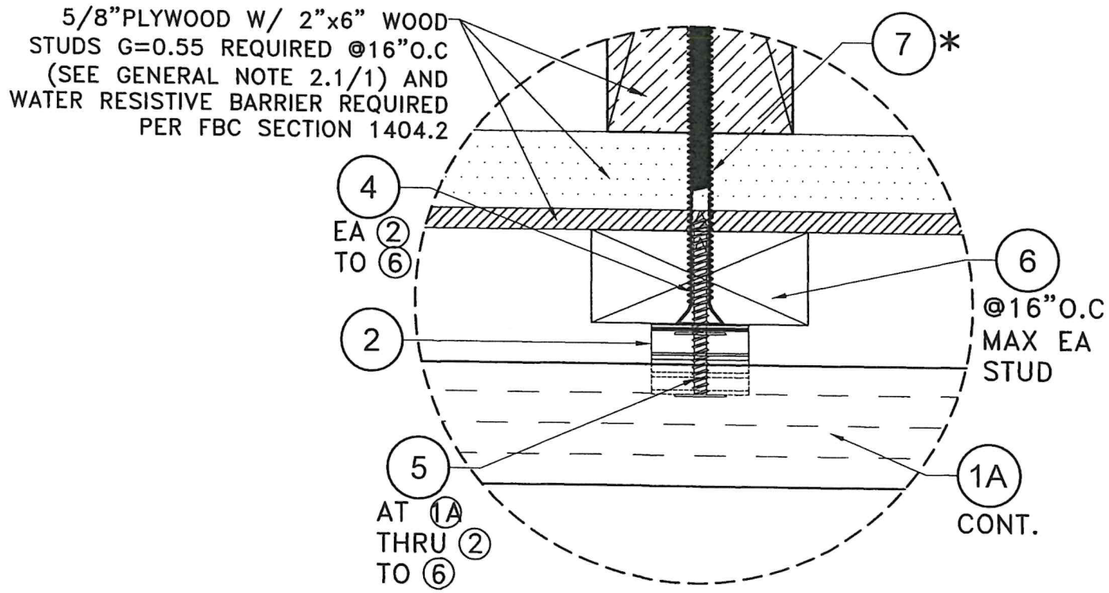
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DRAWN BY: W.H
DATE: 11/25/2024
DRAWING No. 24-050
SHEET 9 OF 24



SECTION C'–C'

SCALE: N.T.S



DETAIL 1

SCALE: N.T.S

OPTIONAL SYSTEM #1: WOOD FRAME WALLS

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

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

NewTechWood
16680 Air Center Blvd,
Houston, TX 77032

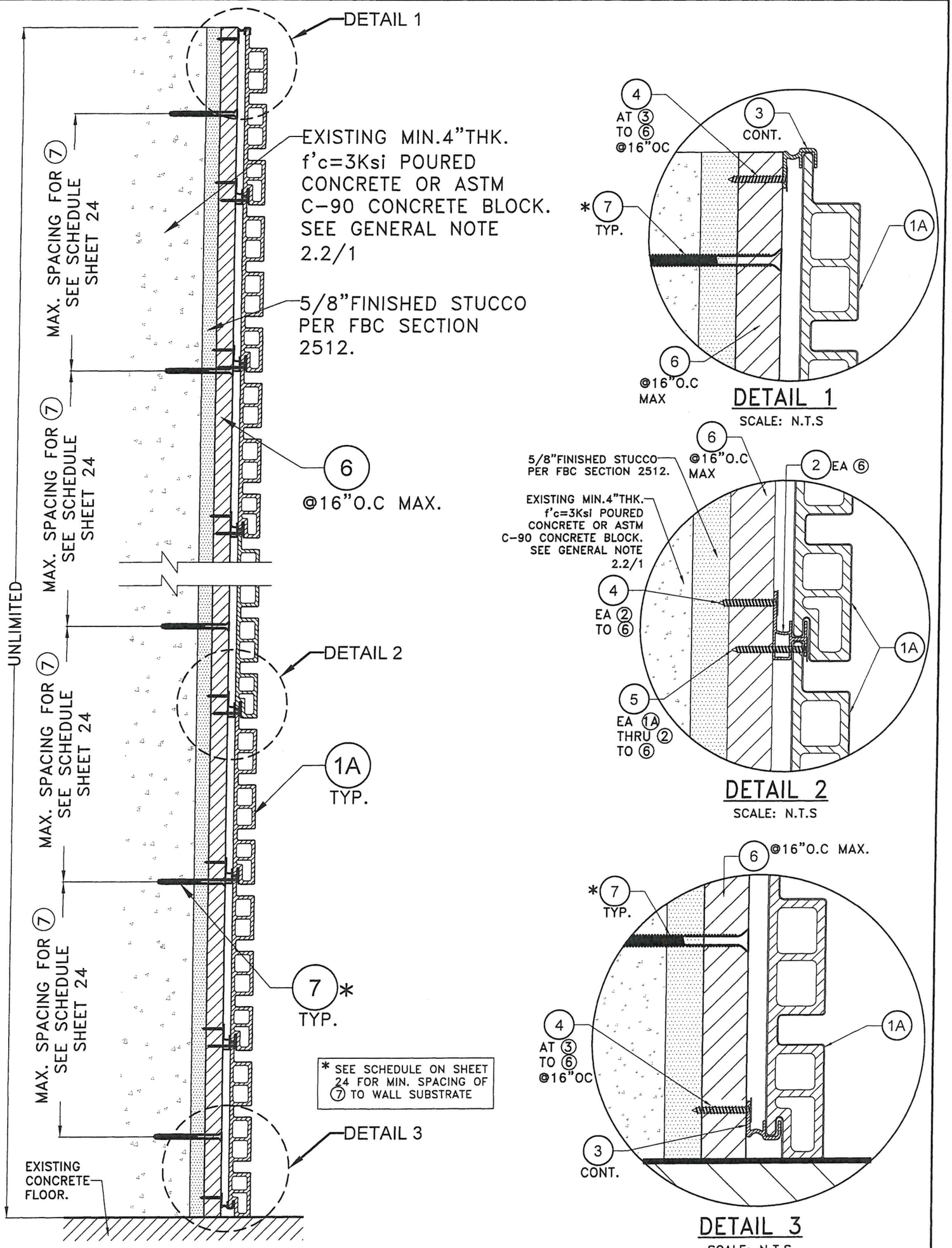
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W.H DRAWN BY:
11/25/2024 DATE:
24-050 DRAWING No.
SHEET 10 OF 24

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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



DETAIL 1

SCALE: N.T.S

DETAIL 2

SCALE: N.T.S

DETAIL 3

SCALE: N.T.S

SECTION D-D: OPTIONAL SYSTEM #1: POURED CONCRETE OR CONCRETE BLOCK WALL SUBSTRATE

SCALE: N.T.S

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

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

NewTechWood
16680 Air Center Blvd,
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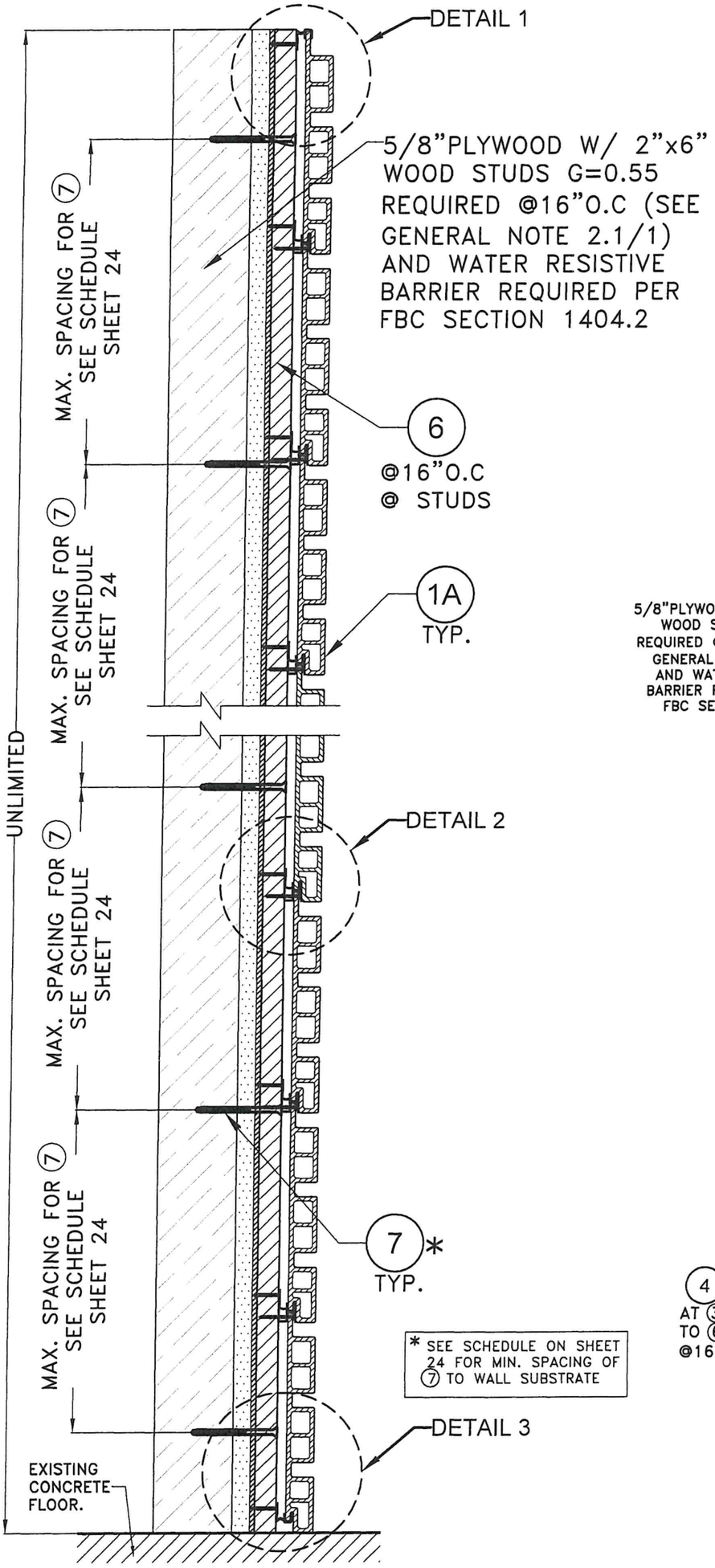
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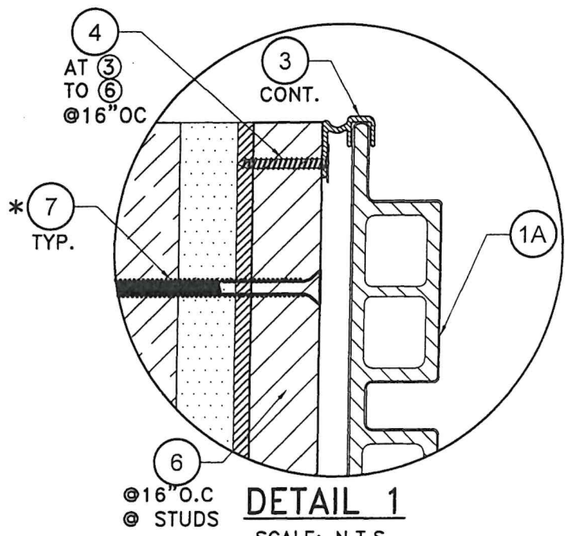
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DRAWN BY:

11/25/2024
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DRAWING No.

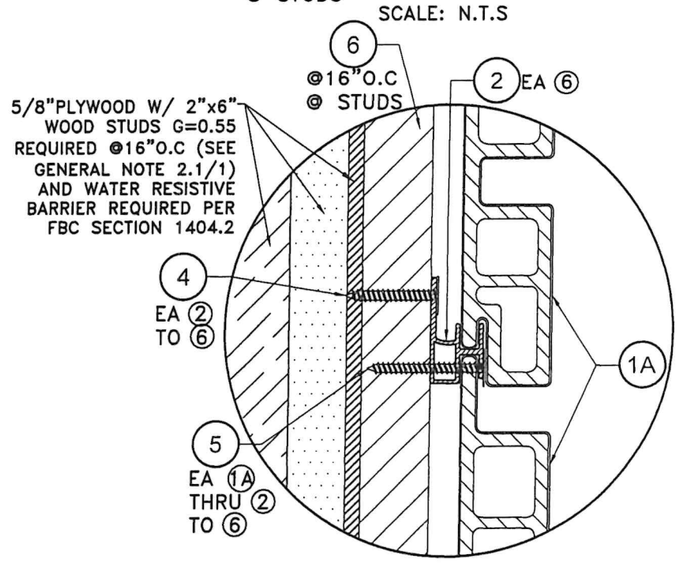
SHEET 11 OF 24





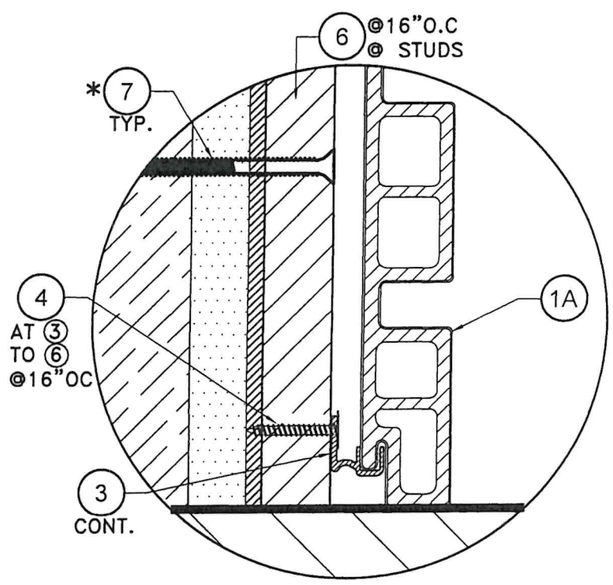
DETAIL 1

SCALE: N.T.S



DETAIL 2

SCALE: N.T.S



DETAIL 3

SCALE: N.T.S

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

SCALE: N.T.S

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

2/28/2025

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

NewTechWood
16680 Air Center Blvd,
Houston, TX 77032

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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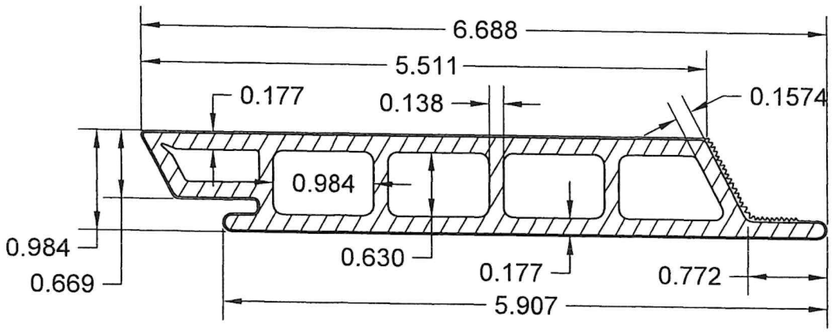
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DATE:

24–050
DRAWING No.

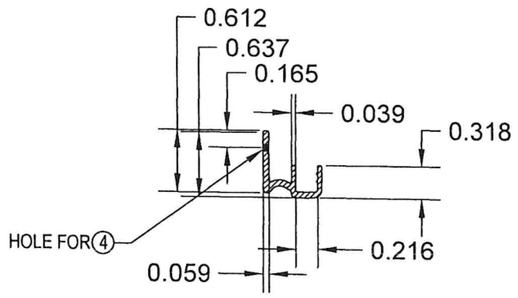
SHEET 12 OF 24

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

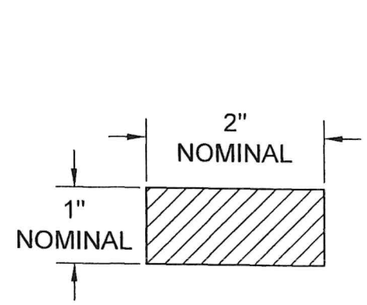
COMPONENT No.	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
(1B)	UH68 6" PANEL.	SEE COMPONENT DETAIL	COMPOSITE PLASTIC WOOD BY NEW TECH WOOD	NEW TECH WOOD	CLADDING PLANK
(2)	INTERIOR ALUMINUM CLIP	SEE COMPONENT DETAIL	6063-T5 ALUMINUM ALLOY	–	USE AT CONNECTION OF (1B) TO (6) W/ (4) & (5)
(3)	END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



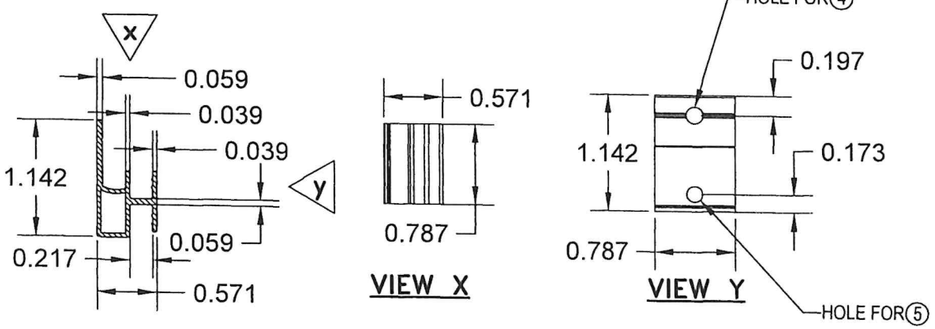
(1B) UH68 6" PANEL.



(3) END ALUMINUM CLIP



(6) WOOD FURRING



(2) INTERIOR ALUMINUM CLIP

COMPONENTS
SCALE: N.T.S

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

NewTechWood
16680 Air Center Blvd.
Houston, TX 77032

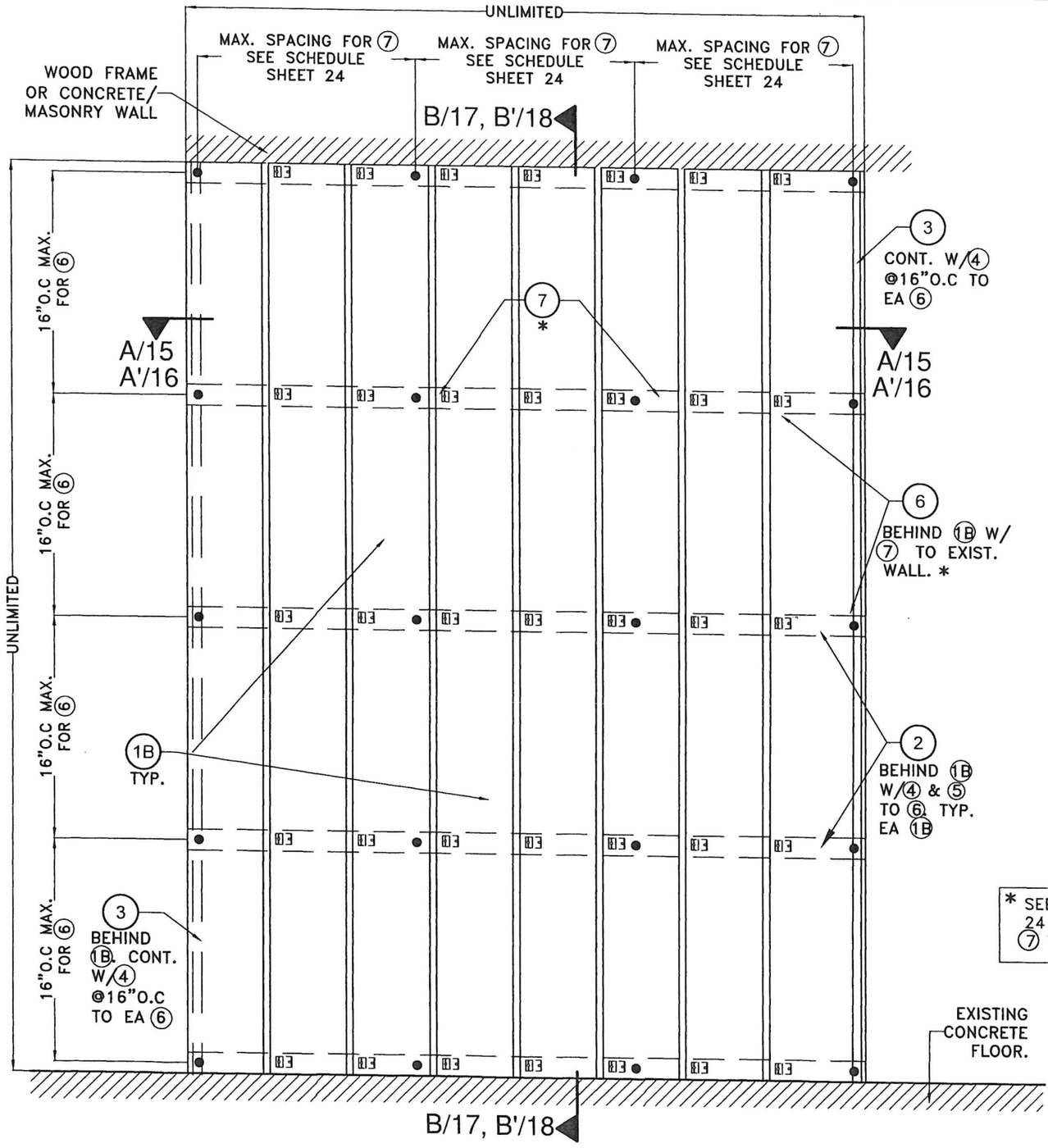
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DATE: 11/25/2024
DRAWING No. 24-050
SHEET 13 OF 24

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11/25/2025



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

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

SCALE: N.T.S

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Houston, TX 77032

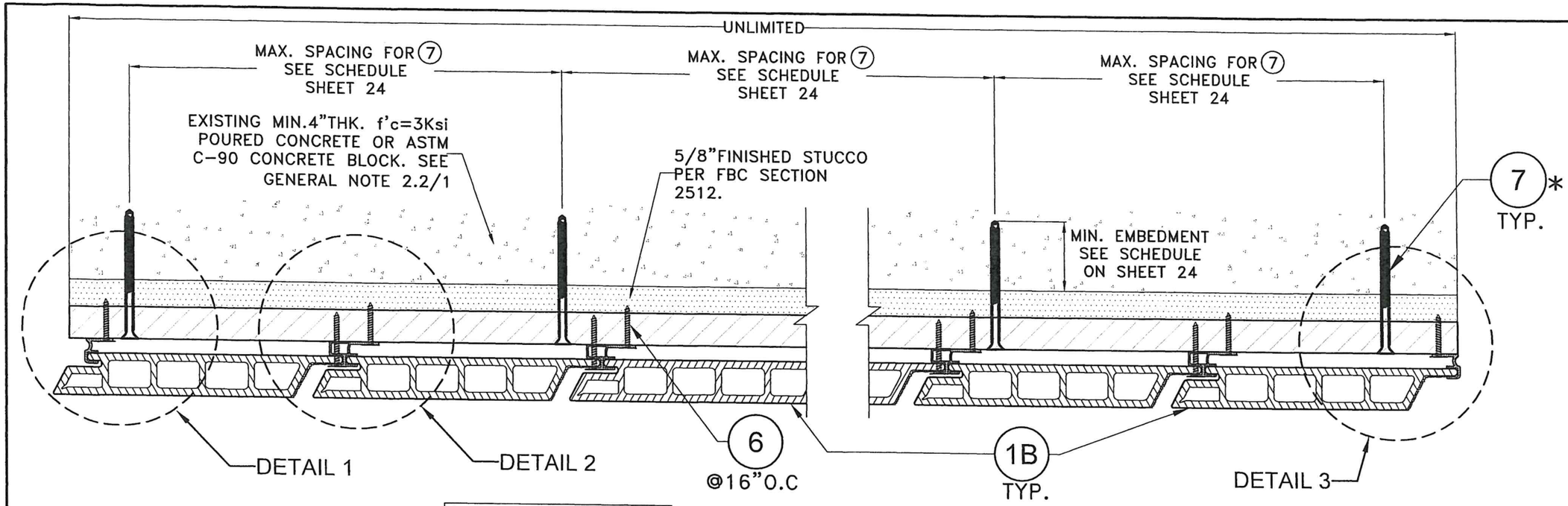
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DATE: 11/25/2024
DRAWING No. 24-050
SHEET 14 OF 24

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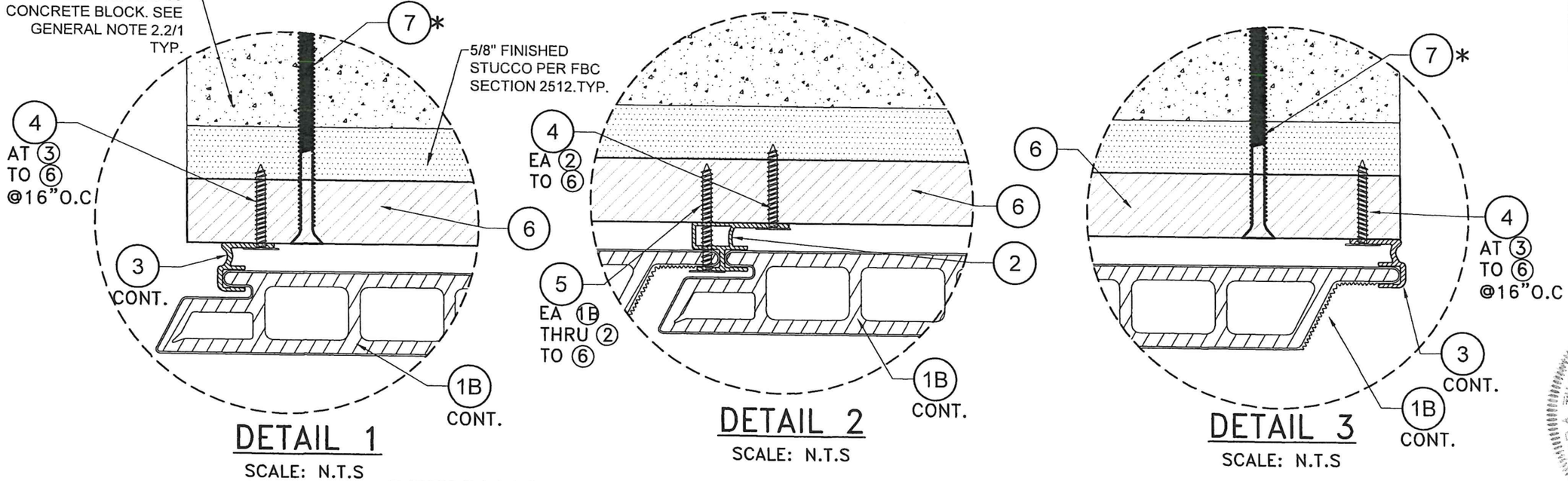
WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
11/28/2025



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

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

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

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

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

NewTechWood
16680 Air Center Blvd, Houston, TX 77032

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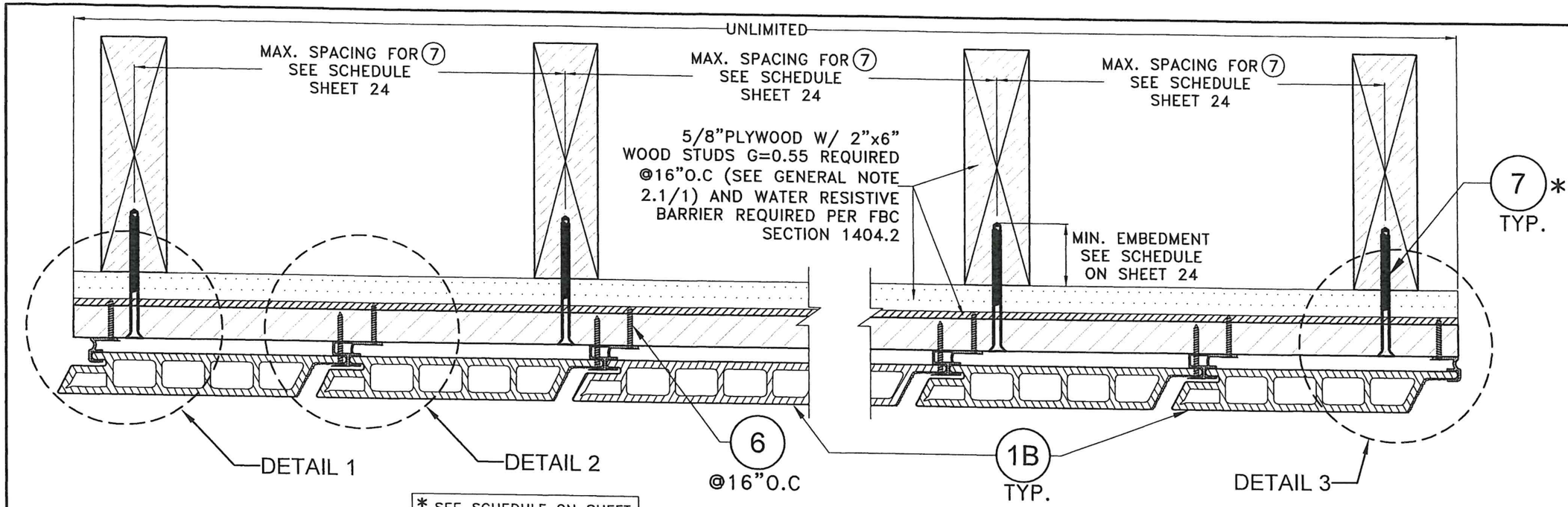
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DATE: 11/25/2024
DRAWING No. 24–050
SHEET 15 OF 24

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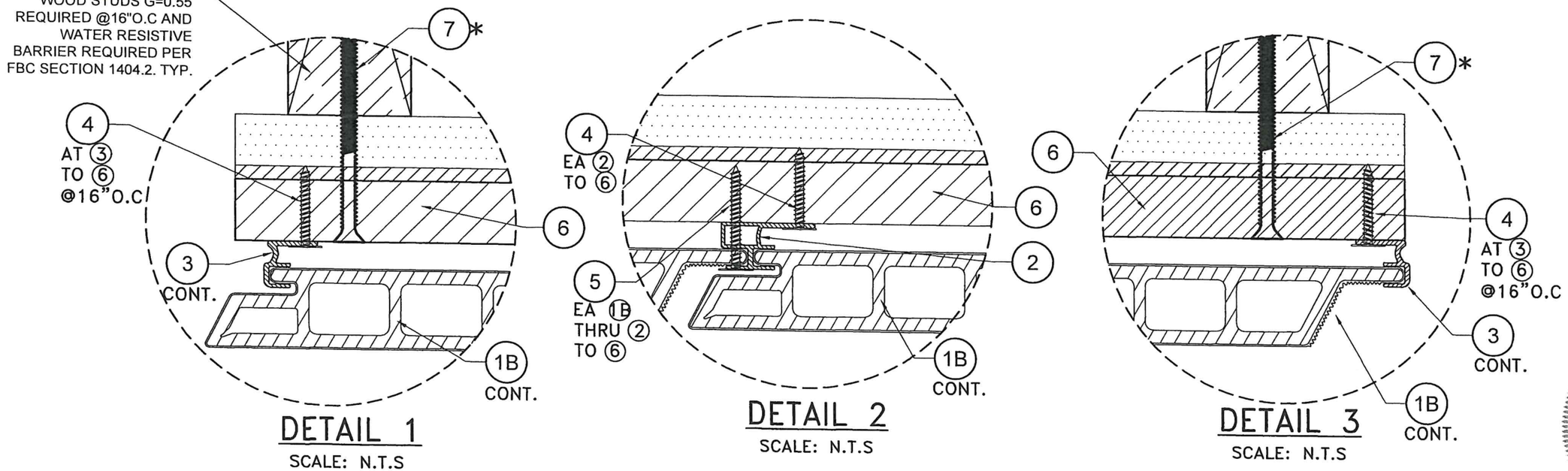
WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER



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

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

OPTIONAL SYSTEM #2: WOOD FRAME WALLS

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

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16680 Air Center Blvd, Houston, TX 77032

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11/25/2024 DATE:

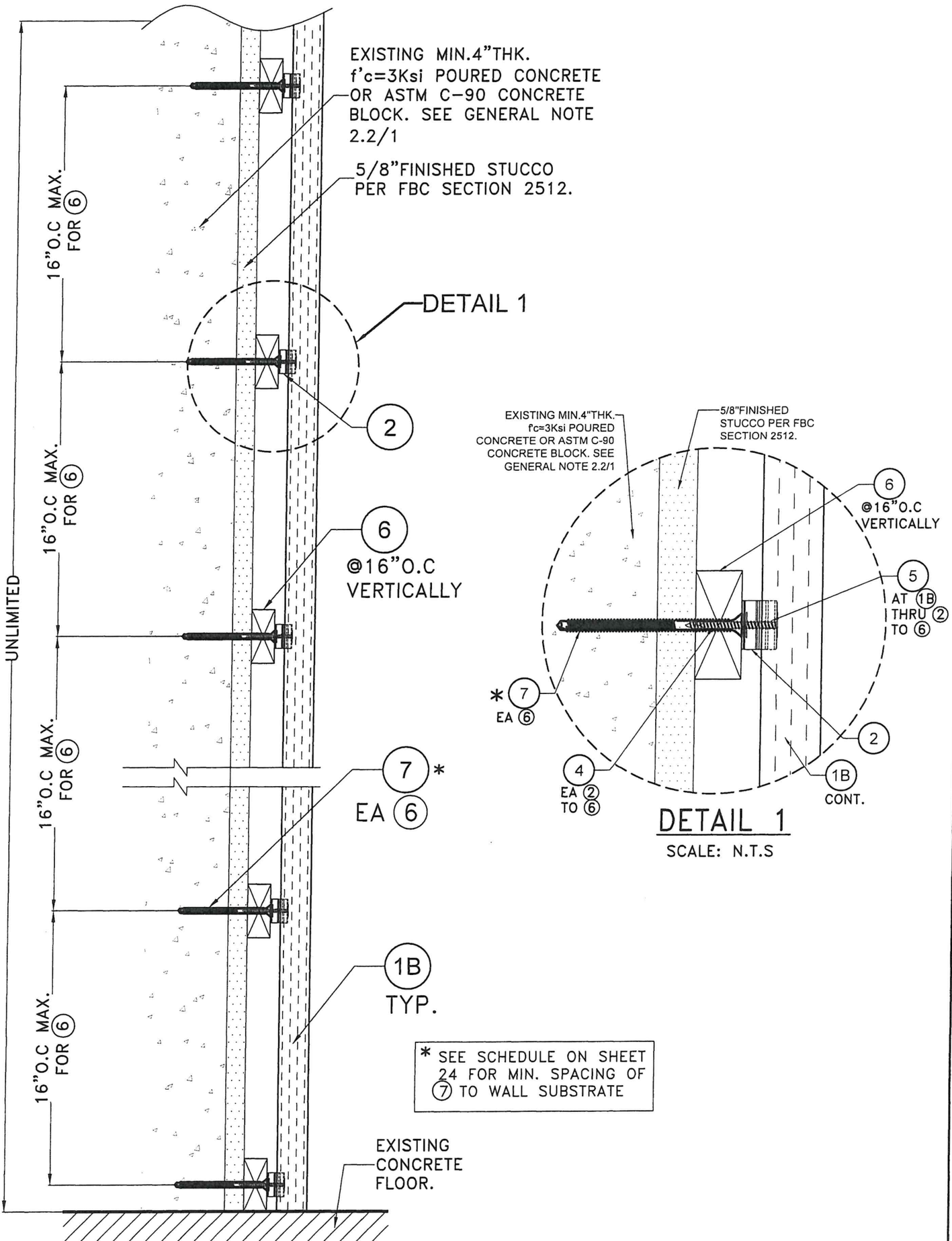
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SHEET 16 OF 24

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11/25/2025



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

SCALE: N.T.S

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

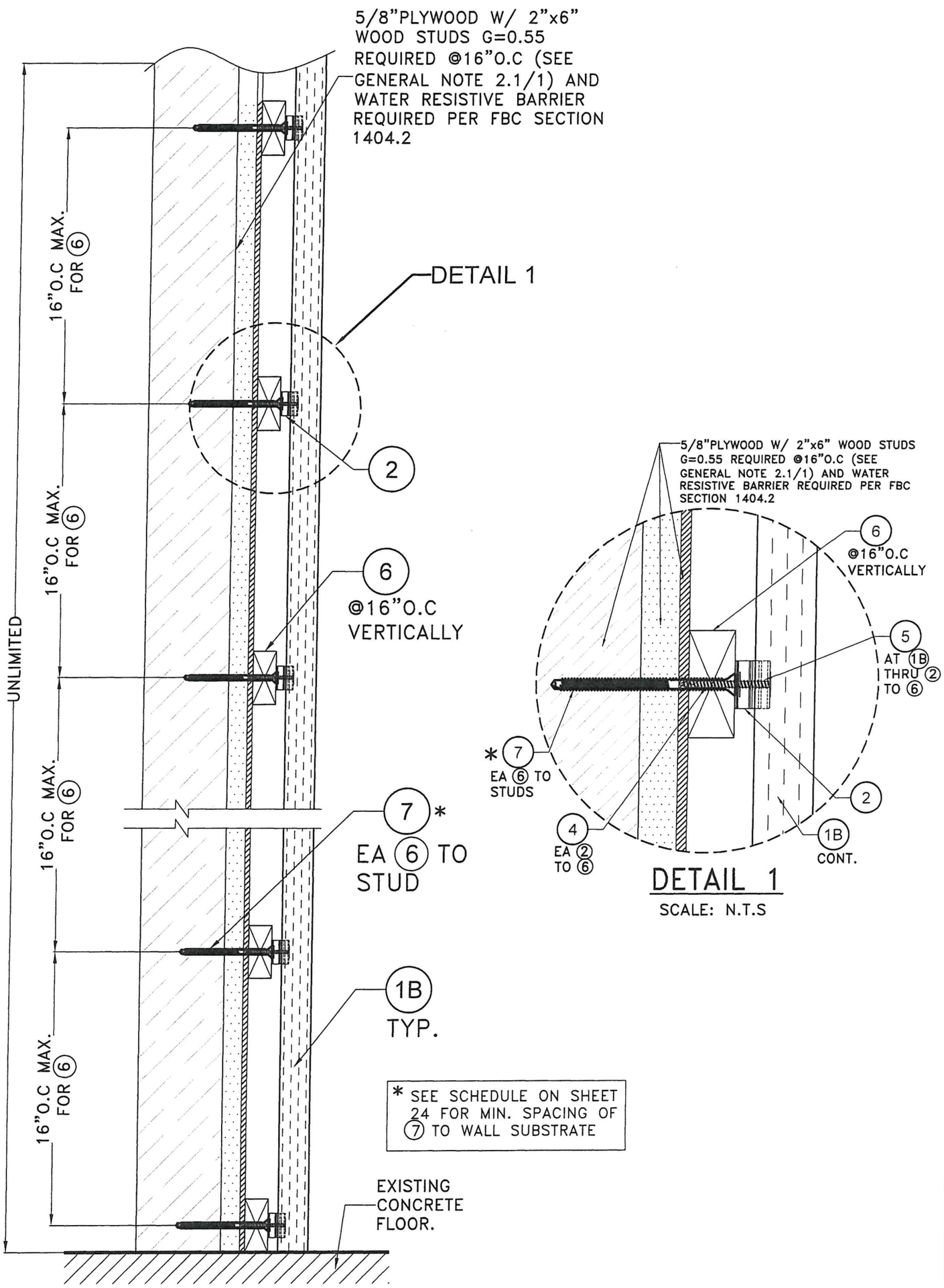
NewTechWood
16680 Air Center Blvd,
Houston, TX 77032

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W.H DRAWN BY:

11/25/2024 DATE:

24-050 DRAWING No.



DETAIL 1

SCALE: N.T.S

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

SCALE: N.T.S

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28/2025

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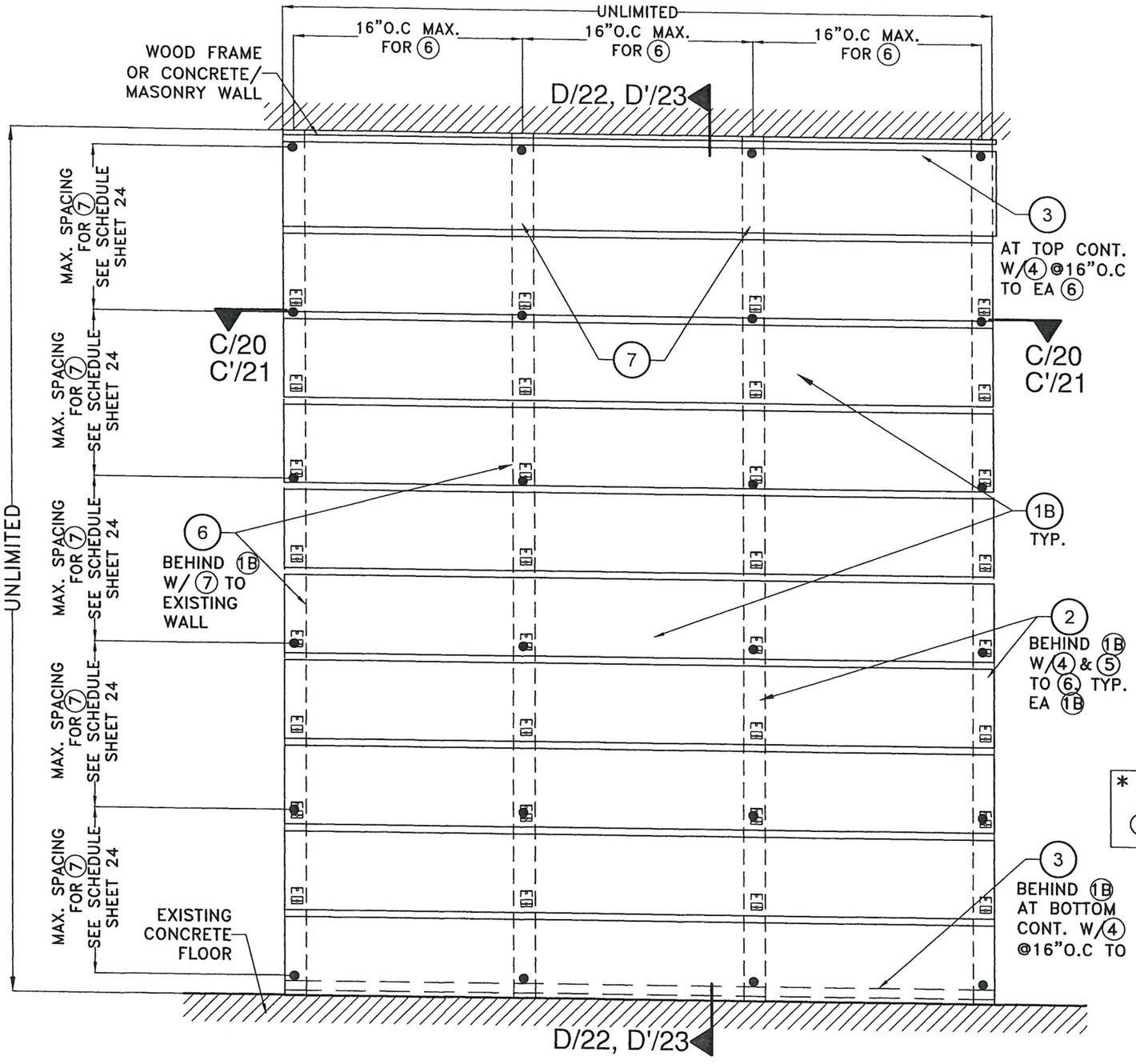
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W.H
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11/25/2024
DATE:
24-050
DRAWING No.



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

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

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

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DATE: 11/25/2024

DRAWING No. 24-050

SHEET 19 OF 24

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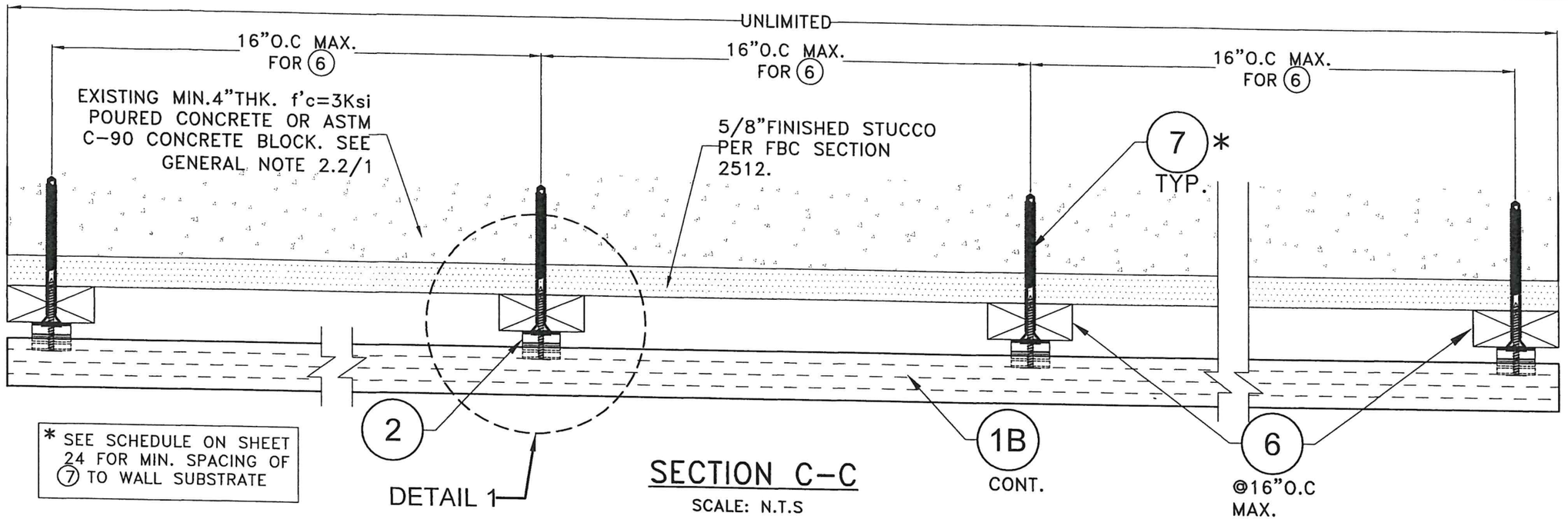
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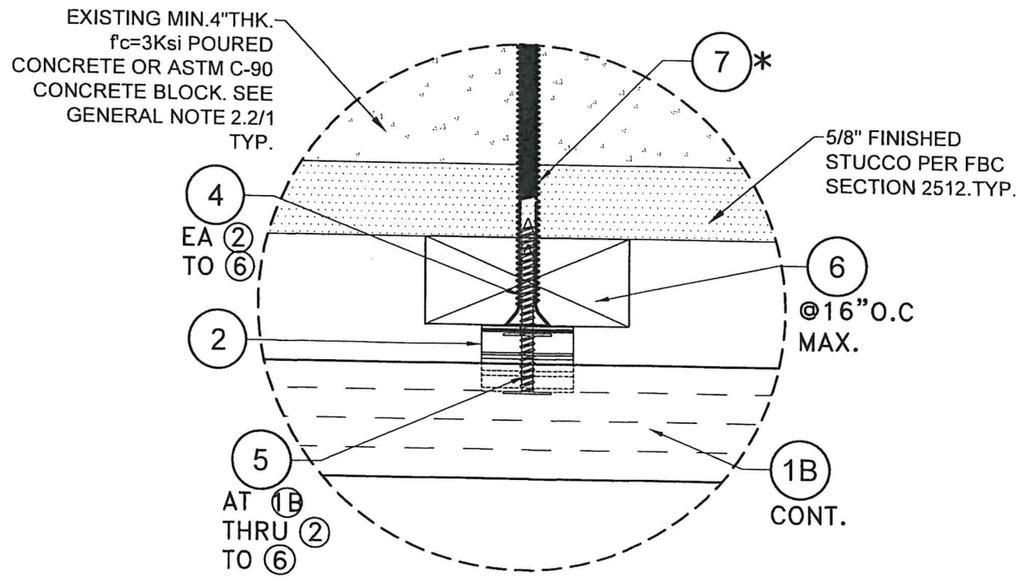
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SECTION C-C

SCALE: N.T.S



DETAIL 1

SCALE: N.T.S

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

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

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

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16680 Air Center Blvd,
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DATE: 11/25/2024

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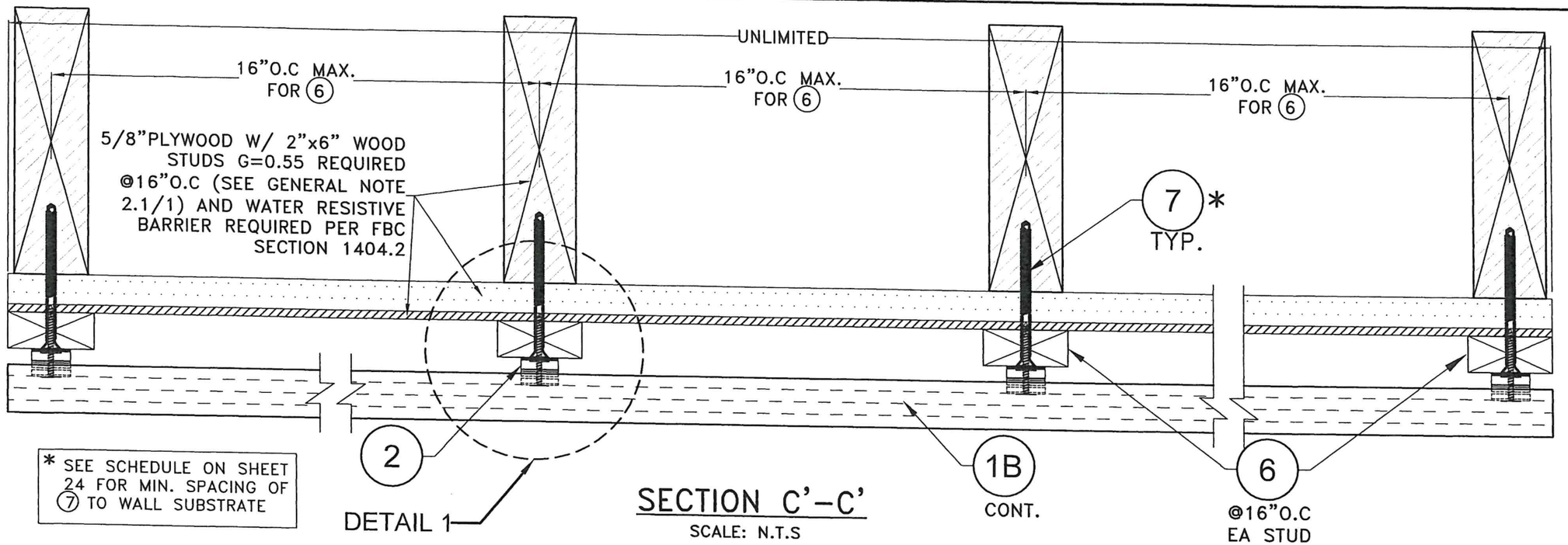
SHEET 20 OF 24

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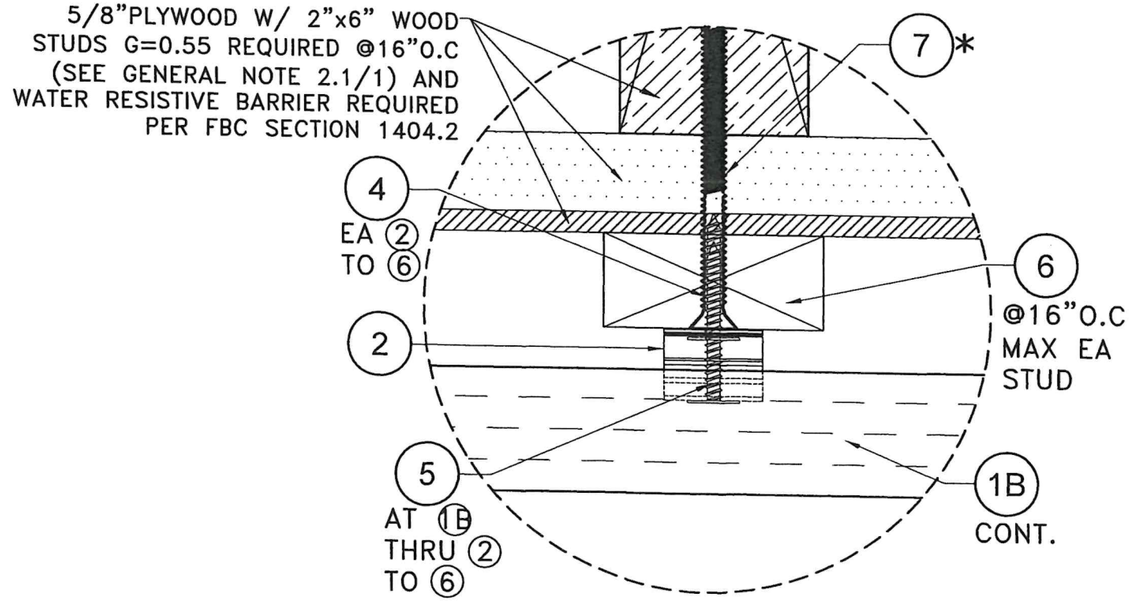
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SECTION C'–C'

SCALE: N.T.S



DETAIL 1

SCALE: N.T.S

OPTIONAL SYSTEM #2: WOOD FRAME WALLS

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FLORIDA Lic. # 44167

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

NewTechWood®
16680 Air Center Blvd,
Houston, TX 77032

DRAWN BY: W.H
DATE: 11/25/2024
DRAWING No. 24-050
SHEET 21 OF 24

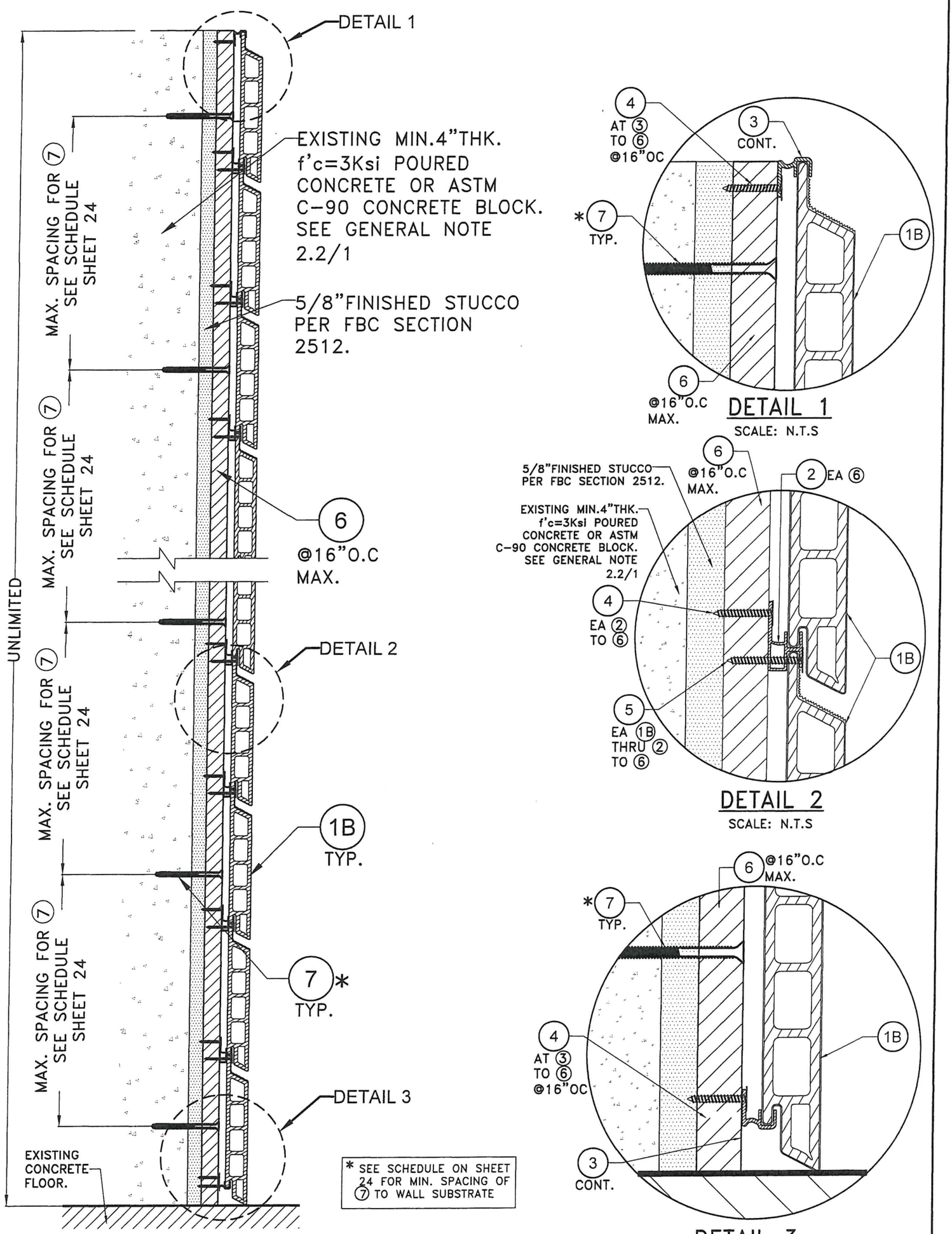
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WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

3/28/2025



DETAIL 1

SCALE: N.T.S

DETAIL 2

SCALE: N.T.S

DETAIL 3

SCALE: N.T.S

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

SCALE: N.T.S

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

2/28/2025

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

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TILTECO INC.

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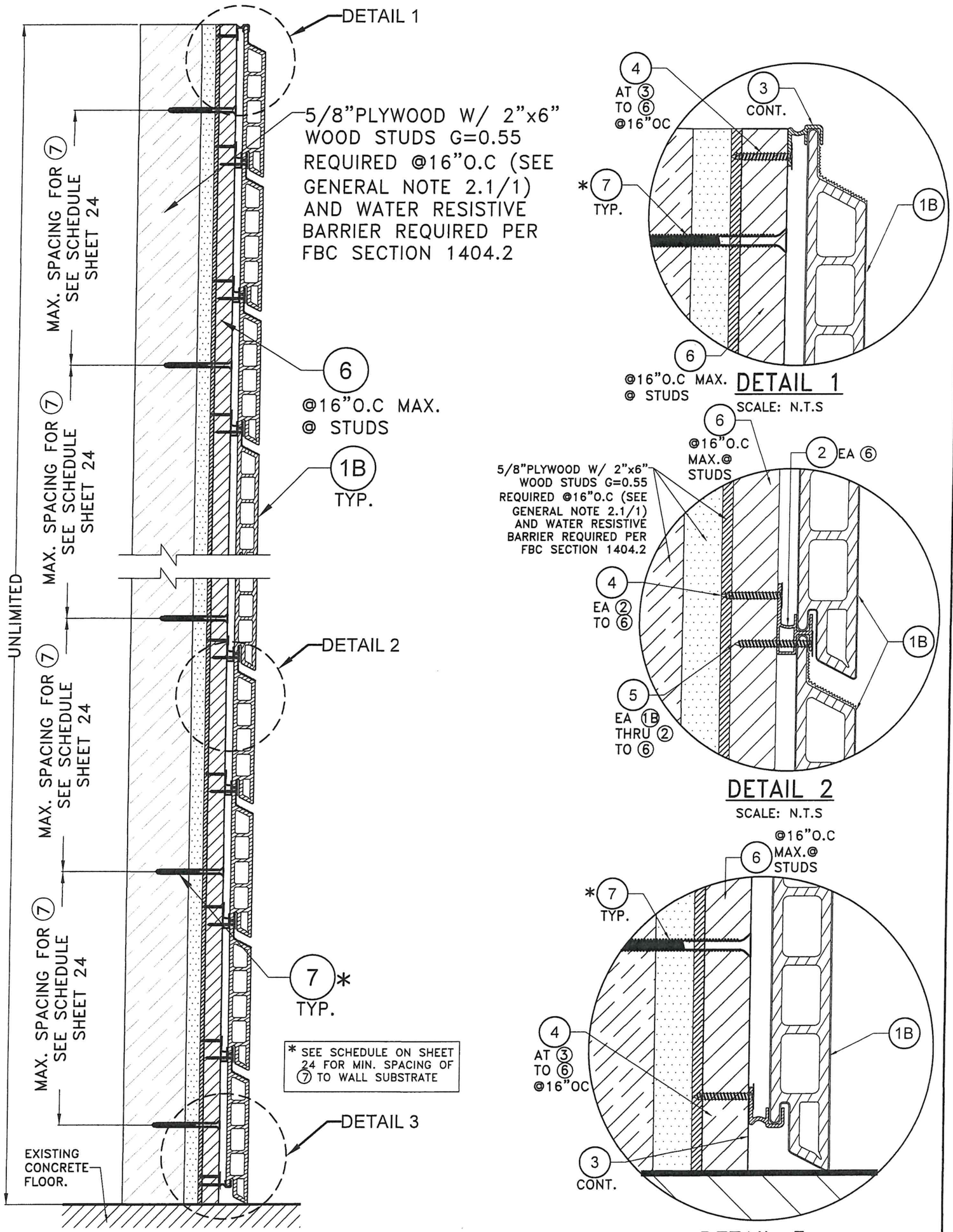
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W.H
DRAWN BY:

11/25/2024
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24-050
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SHEET 22 OF 24



DETAIL 1

SCALE: N.T.S

DETAIL 2

SCALE: N.T.S

DETAIL 3

SCALE: N.T.S

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

SCALE: N.T.S

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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)

1. MUST COINCIDE WITH LOCATION OF EXISTING VERTICAL 2X WOOD STUDS SPACED @ 16" O.C @ EXISTING WALL. (SEE GENERAL NOTE 2 ON SHEET 1)
2. MAX. 12" O.C INDICATED SPACING IS VERTICAL SPACING ALONG EXISTING STUD'S HEIGHT.
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 (7) MUST BE INSTALLED AT MIDWIDTH OF EXISTING VERTICAL 2X STUD. (3/4" E.D)

** VALID ONLY FOR HORIZONTALLY INSTALLED WOOD FURRING (6)

1. MUST BE ANCHORED AT EXISTING VERTICAL 2X WOOD STUDS SPACED @16"O.C @ EXISTING WALL. (SEE GENERAL NOTE 2 ON SHEET 1)
2. MIN. 1" EMBEDMENT IS AT EXISTING VERTICAL 2X WOOD STUD BEYOND ANY EXITING 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 2 ON SHEET 1)
4. FASTENER (7) MUST BE INSTALLED AT MIDWIDTH OF EXISTING VERTICAL 2X STUD. (3/4" E.D)

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