

GENERAL NOTES:

1. EXTERIOR SIDING WALL SYSTEM-THERMALLY TREATED WHITE ASH WOOD MATERIAL SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.), HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2026 (9th EDITION) OF THE FLORIDA BUILDING CODE.

DESIGN WIND LOADS FOR EACH INSTALLATION SHALL BE DETERMINED AS PER SECTIONS 1620 & 1609 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 ANSI/AWC NDS-24.

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 BLACKWATER TECHNICAL SERVICES INC. REPORT # BT-LUN 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 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 12 FOR ADDED LIMITATIONS & CONDITIONS FOR WOOD FRAME WALLS.

3. MAXIMUM A.S.D. DESIGN WIND PRESSURE RATING FOR THIS PRODUCT IS +150 , -150 p.s.f. *

* PROFILES TO BE CONTINUOUS MIN. OVER 3 SPANS.

4. COMPONENTS FOR THIS PRODUCT SHALL BE AS INDICATED ON SHEET 2 OF THIS DRAWING. ALL ANCHORS TO WALL SHALL COMPLY WITH SECTION 1711 OF THE FLORIDA BUILDING CODE.

5. SUBSTRUCTURE (FURRING) COMPONENTS # 4A & 4B PROVIDING SUPPORT TO PRODUCT MUST BE PROPERLY ANCHORED TO TRANSFER LOADS TO THE EXISTING STRUCTURAL SYSTEM (WALL). SUBSTRUCTURE (FURRING) COMPONENTS 4A & 4B MUST BE AS INDICATED ON BILL OF MATERIALS ON SHEET 2, SPACED AS SHOWN ON SHEET 3. SEE DETAILS ON SHEETS 3 THRU 12.

6. EXTERIOR SIDING WALL PLANK IS MADE OF LUNAWOOD SPRUCE THERMOWOOD MATERIAL USING A PATENTED VACUUM PRESS DRYING.

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.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 ON 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 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.E.D. PROFESSIONAL OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWING FOR REVIEW.

(e) ORIGINAL P.E.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.

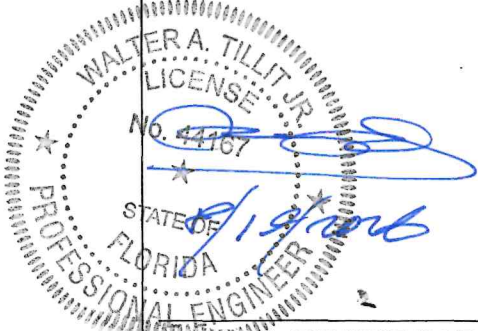
10. ADDITIONAL TESTING PERFORMED ON COMPONENTS:

QUALIFICATION	TEST METHOD	TEST RESULT
MODULUS OF RUPTURE	ASTM D 4761 (AFTER WEATHERING)	2894 psi
MODULUS OF ELASTICITY	ASTM D 4761 (AFTER WEATHERING)	52232 psi
WATER ABSORPTION AND HUMIDITY (WEATHERING TESTING)	ASTM D4761 AND TAS 301 **	PASSED WITH MEAN RATIO OF CONDITIONED & NON-CONDITIONED AT MODULUS OF RUPTURE OF 1.10 & 1.22 MEAN RATIO AT MODULUS OF ELASTICITY.
FLAME SPREAD INDEX	ASTM E 84*	INDEX 65 (CLASS B)
SMOKE INDEX	ASTM E 84*	155 (CLASS C)
CONNECTOR TEST:		
LATERAL CAPACITY (#5 x 2" SCREW)	ASTM D 1761 (AFTER WEATHERING) **	PARALLEL TO LENGTH 383lbs (ULTIMATE)
LATERAL CAPACITY (#5 x 2" SCREW)	ASTM D 1761 (AFTER WEATHERING) **	PERPENDICULAR TO LENGTH 265 lbs (ULTIMATE)
WITHDRAWAL CAPACITY (#5 x 2" SCREW)	ASTM D 1761 (AFTER WEATHERING) **	252 lbs (ULTIMATE)

* TEST #S3525.01-121-24 BY INTERTEK, PER SECTIONS 2303.2 & 2314.4.4 OR THE FLORIDA BUILDING CODE.

** CYCLED 6 HR CONTINUOUS WATER SPRAY & 7 DAY DRYING CYCLE PER BLACKWATER TECHNICAL SERVICES INC. REPORT #BT-LUN-24 001.

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:

6/29/2026 DATE:

26-110 DRAWING No.

SHEET 1 of 12

EXTERIOR SIDING (WALL) MADE OF THERMALLY MODIFIED WOOD MATERIAL.

LUNAWOOD LLC.
5596 RIVERVIEW ROAD
SE MABLETON, GA 30126
Phone: +358 50 563 0067
Email: info@lunawood.com

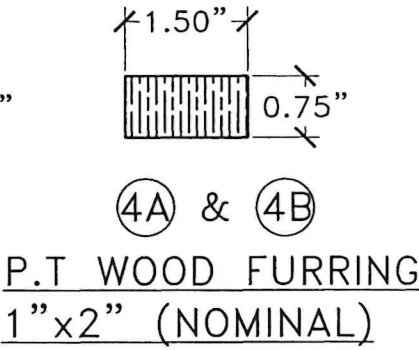
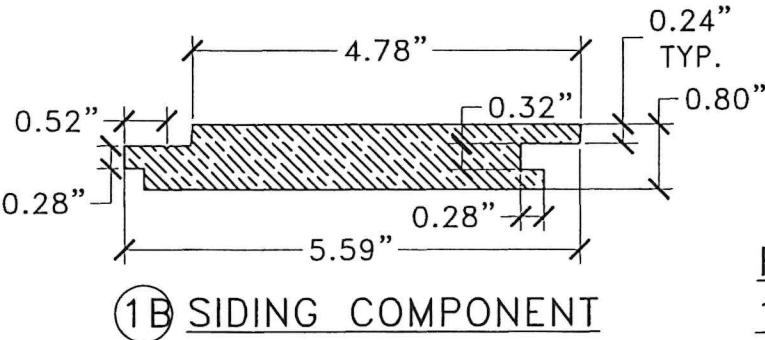
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6355 N.W. 36th, St., Ste. 305, VIRGINIA GARDENS, FL 33166
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WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

BILL OF MATERIALS

COMPONENT NO.	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
1B	SIDING COMPONENT	SEE COMPONENT DETAIL	LUNAWOOD SPRUCE THERMOWOOD	LUNAWOOD	SIDING SYSTEM
3	FLAT HEAD TOE SCREW	#5 x 2" (3,2x50mm)	Fy= 50 ksi MIN. STAINLESS STEEL	FIX MG GROUP	TO FIX 1B TO 4A AND 4B
3B	FLAT HEAD SCREW STRAIGHT FOR 1B	#5 x 1.50" (3,2x38mm)	Fy= 50 ksi MIN. STAINLESS STEEL	FIX MG GROUP	TO FIX 1B TO 4A OR 4B AT ENDS.
4A	P.T WOOD FURRING	2" (NOM) x 1" (NOM) x CONT.	SOUTHERN YELLOW PINE #2 PRESSURE TREATED WOOD	-	SUBSTRUCTURE FOR 1B
4B	WOOD FURRING	2" (NOM) x 1" (NOM) x CONT.	THERMOWOOD PINE	LUNAWOOD	SUBSTRUCTURE FOR 1B
5	SUBSTRUCTURE SUPPORT FASTENERS	1/4"Ø FLAT HEAD TAPCONS OR 1/4"Ø ULTRACONS SS4	AISI 410 STAINLESS STEEL OR 304 STAINLESS STEEL	ITW/BUILDEX OR DEWALT	W/1 3/4"MIN EMBEDMENT TO POURED CONCRETE & 1 1/4"MIN. TO CONCRETE BLOCK AND 1 1/2" TO WOOD WALL, BEYOND ANY WALL FINISH.



COMPONENTS
SCALE: N.T.S

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EXTERIOR SIDING (WALL) MADE OF THERMALLY MODIFIED WOOD MATERIAL.

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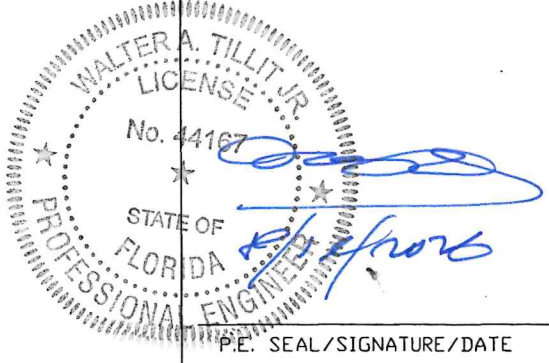
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6/29/2026 DATE:

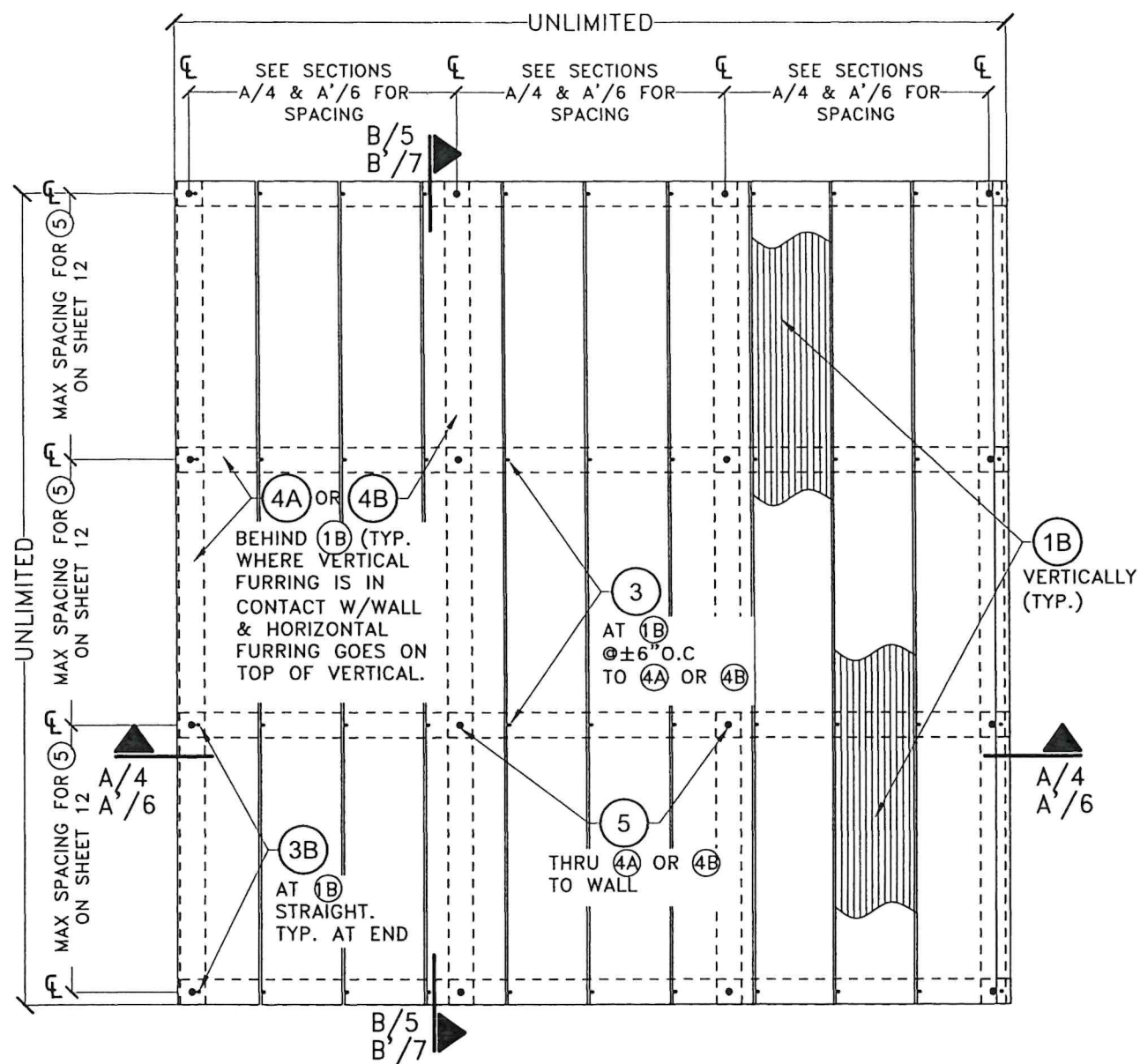
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2 of 12 SHEET

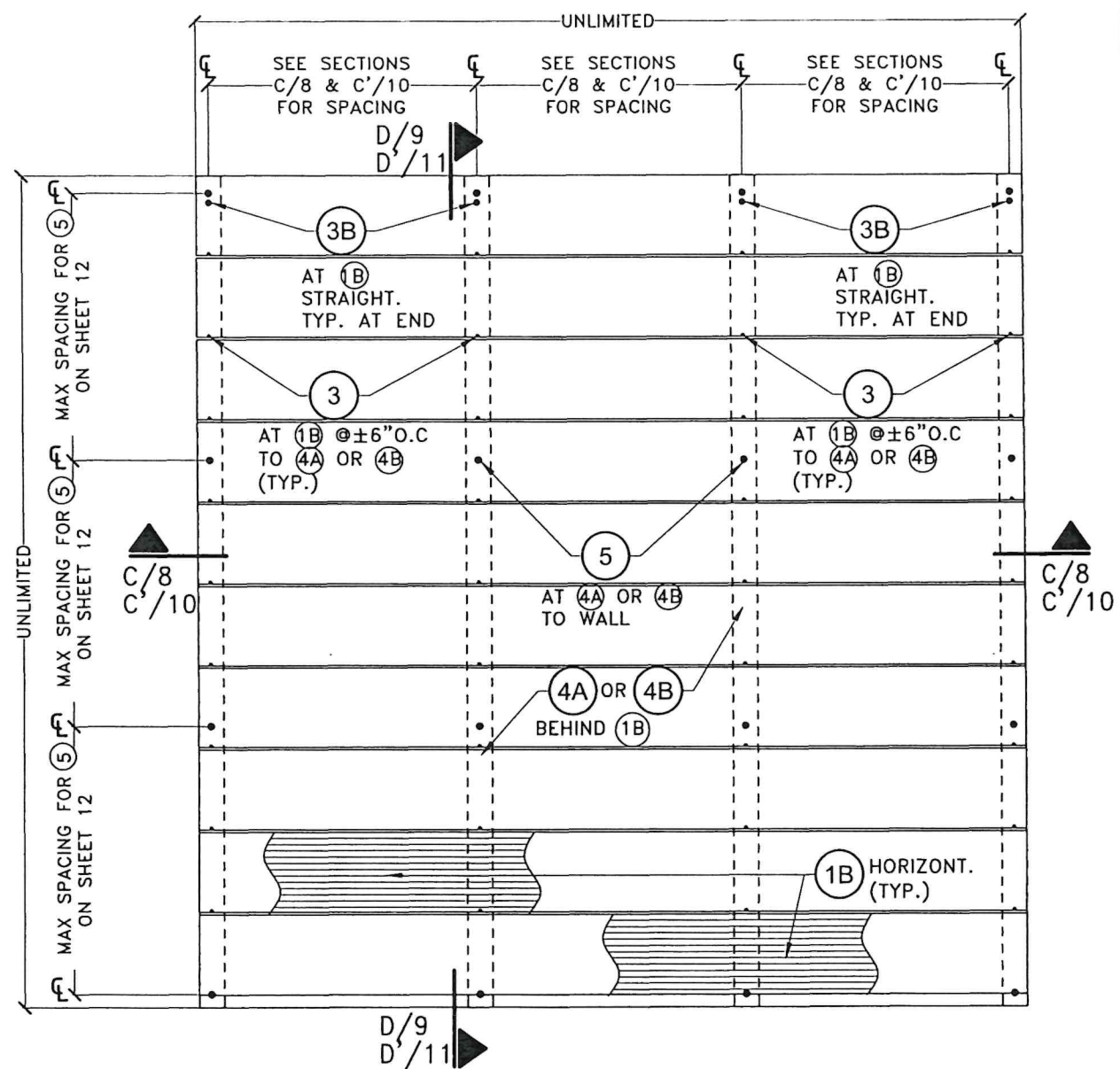
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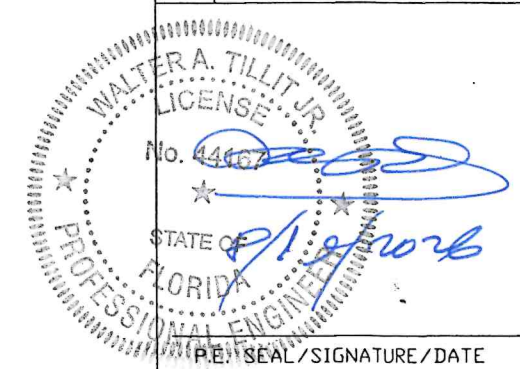
EXTERIOR ELEVATION OF (1B)
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SCALE: N.T.S



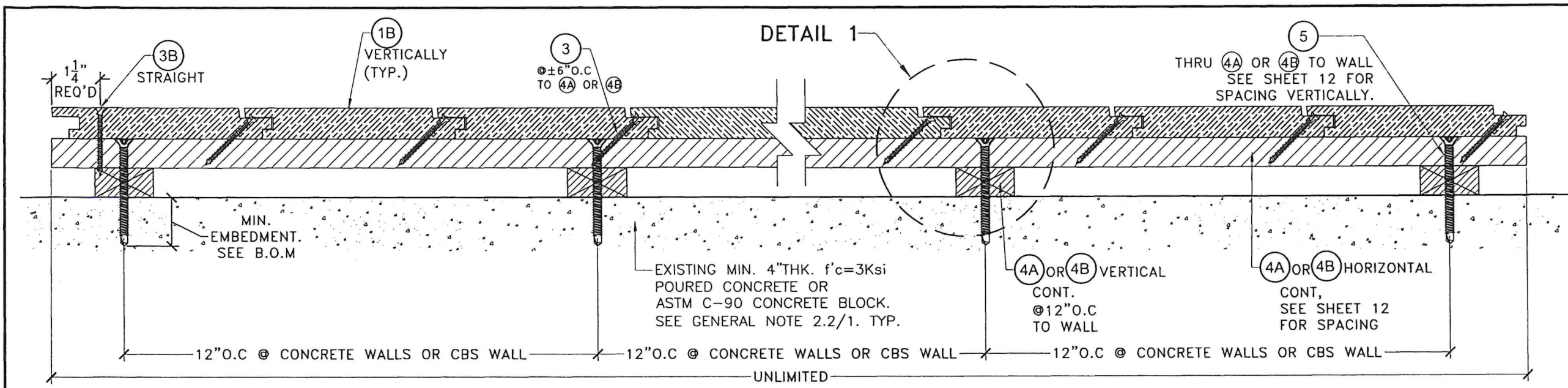
EXTERIOR ELEVATION OF (1B)
RUNNING HORIZONTALLY
SCALE: N.T.S

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

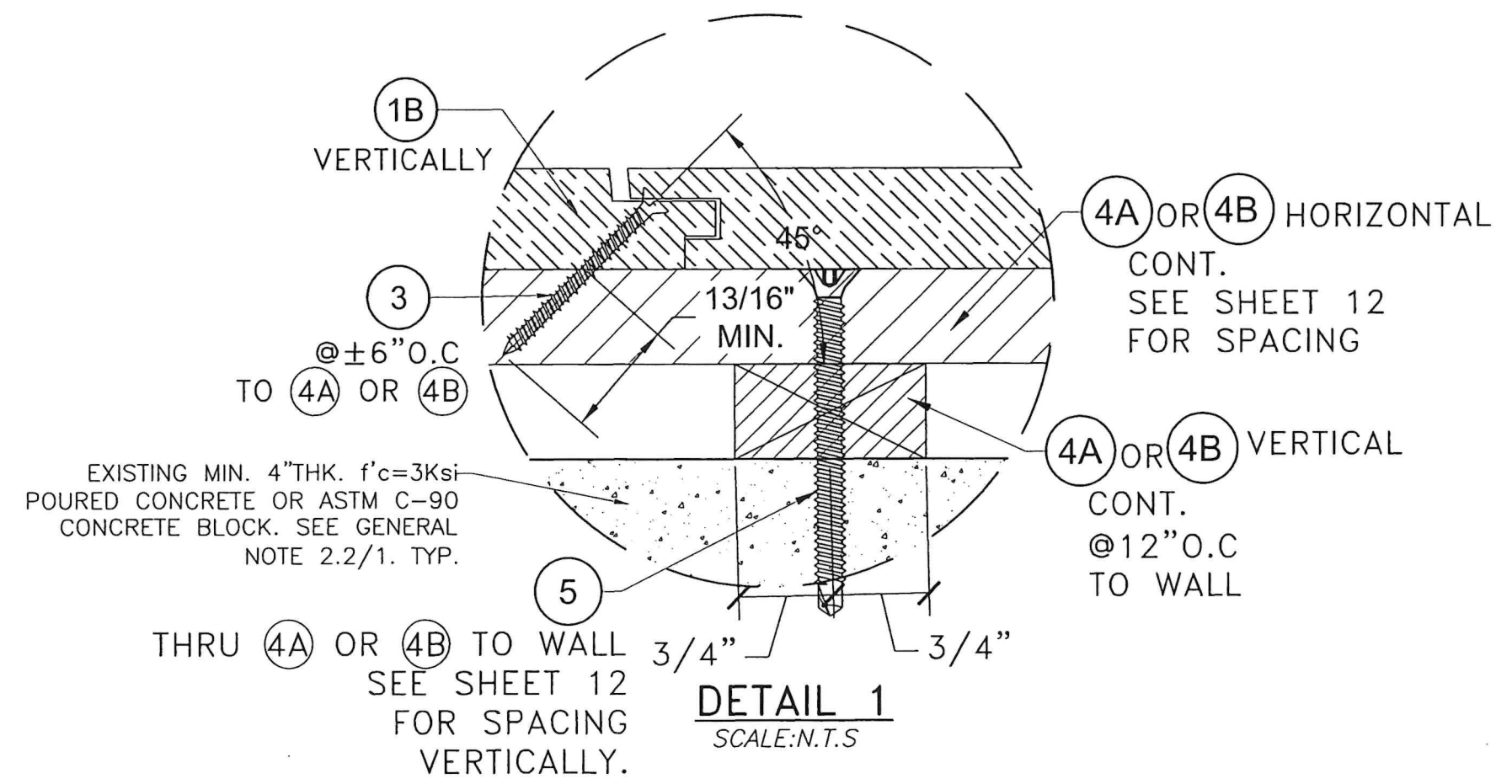
EXTERIOR SIDING (WALL) MADE OF THERMALLY MODIFIED WOOD MATERIAL.		W.H. DRAWN BY: 6/29/2026 DATE: 26-110 DRAWING No. SHEET 3 of 12	
LUNAWOOD LLC. 5596 RIVERVIEW ROAD SE MABLETON, GA 30126 Phone: +358 50 563 0067 Email: info@lunawood.com		REV. NO. DESCRIPTION DATE REV. NO. DATE	
TILTECO INC. TILLIT TESTING & 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		1 OLD 24-127 6/29/26 3 4	



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**SECTION A-A: 1B RUNNING VERTICALLY
POURED CONCRETE OR CBS WALL SUBSTRATE.**
SCALE: N.T.S



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		26-110 DRAWING No.	
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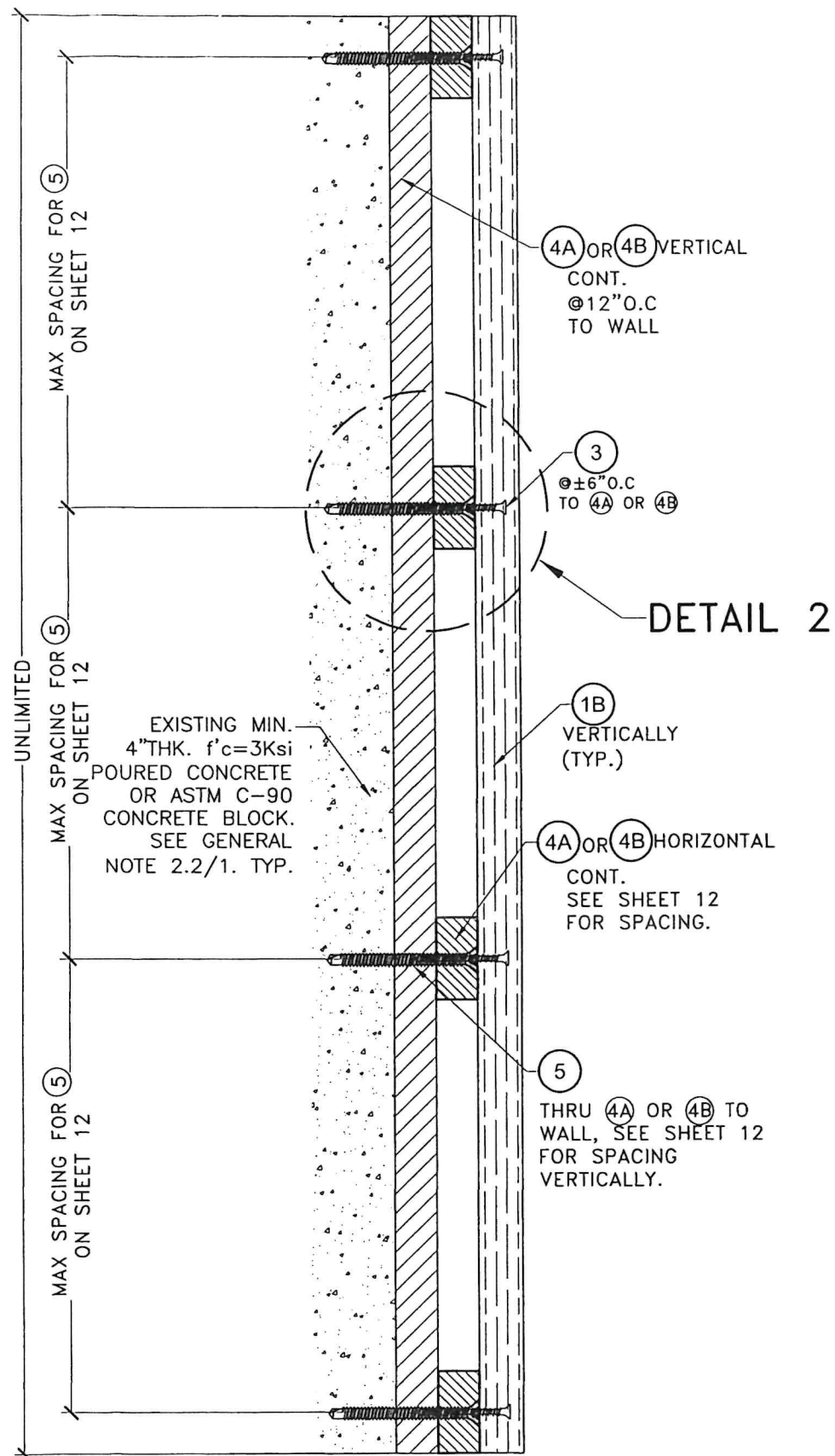
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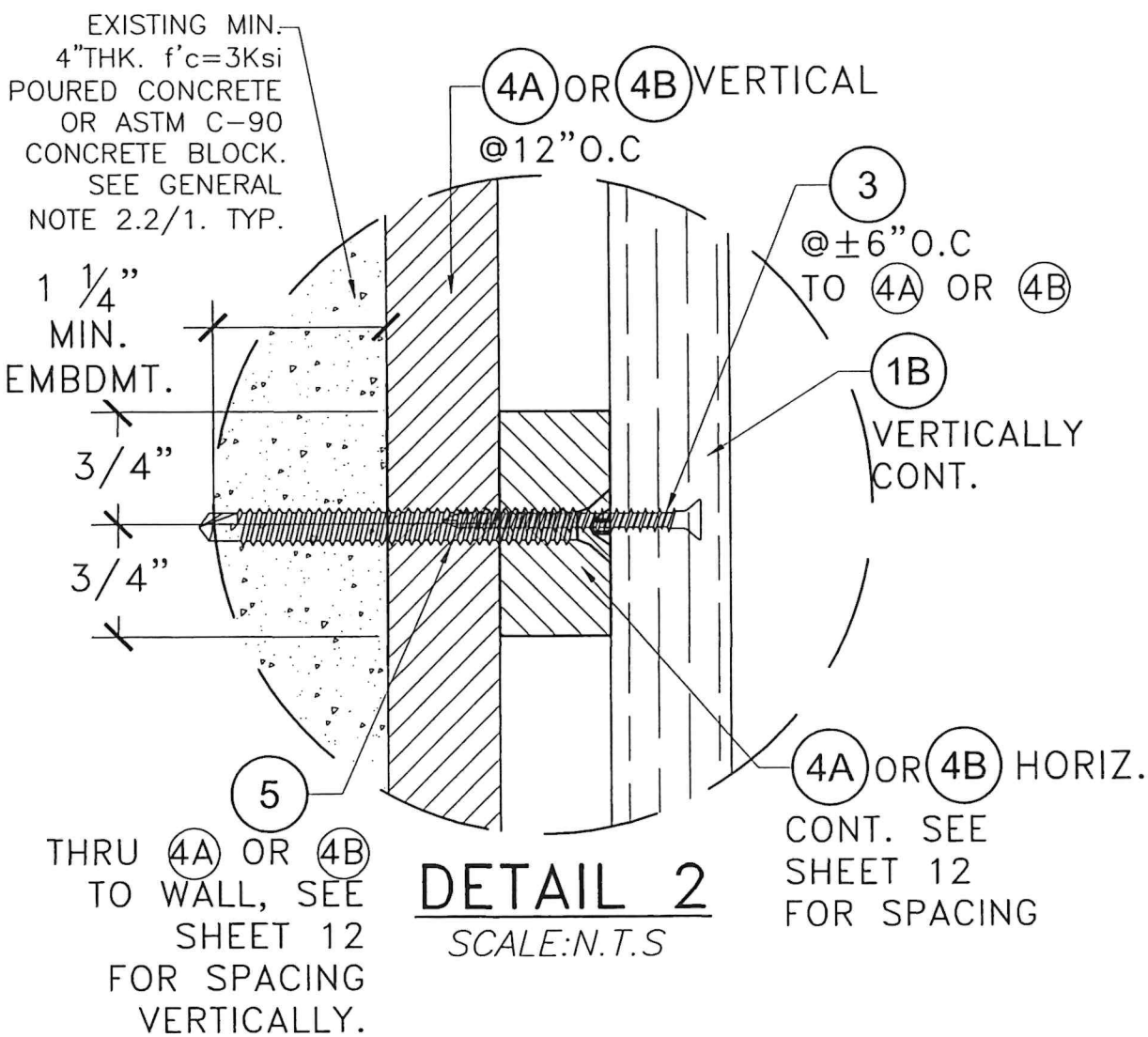
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 LICENSE
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 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 6/15/2026

PREPARED SEAL/SIGNATURE/DATE



SECTION B-B: 1B RUNNING VERTICALLY
POURED CONCRETE OR CBS WALL SUBSTRATE.

SCALE:N.T.S



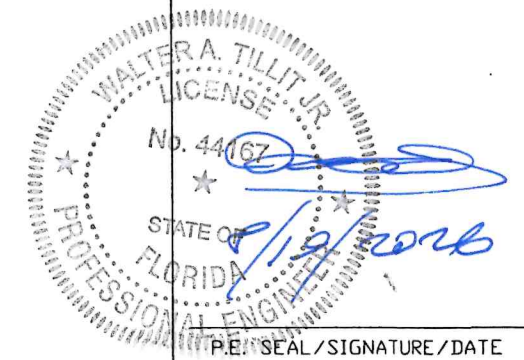
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EXTERIOR SIDING (WALL) MADE OF THERMALLY MODIFIED WOOD MATERIAL.
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STATE OF FLORIDA
PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE



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EXTERIOR SIDING (WALL) MADE OF THERMALLY MODIFIED WOOD MATERIAL	W.H DRAWN BY:
--	------------------

MODIFIED FOOD MATERIALS	6/29/2026
LUNAWOOD LLC.	

5596 RIVERVIEW ROAD
SE MABLETON, GA 30126
CITY: 758 50 553 0067

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% NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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SHEET 6 of 12

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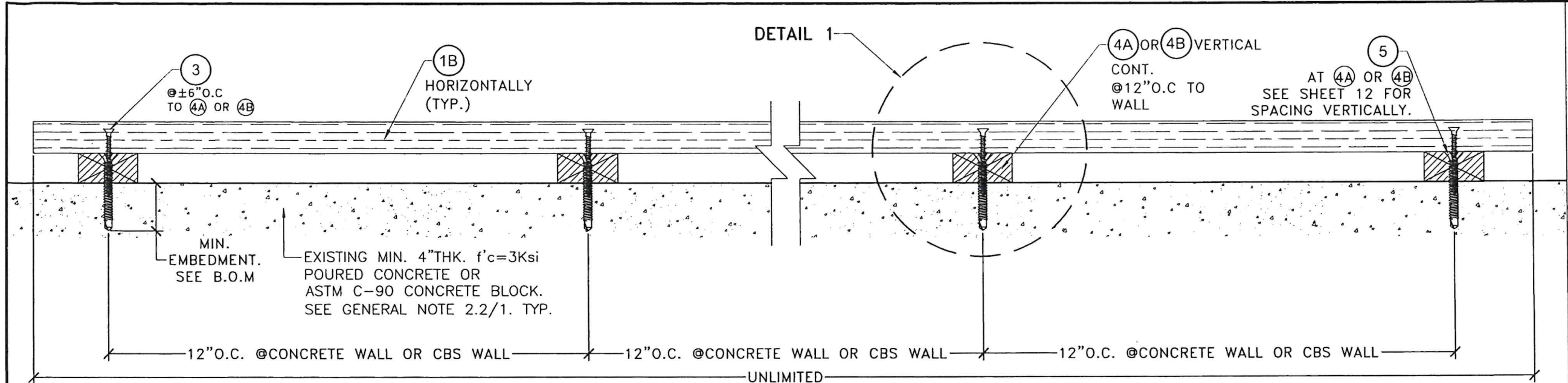
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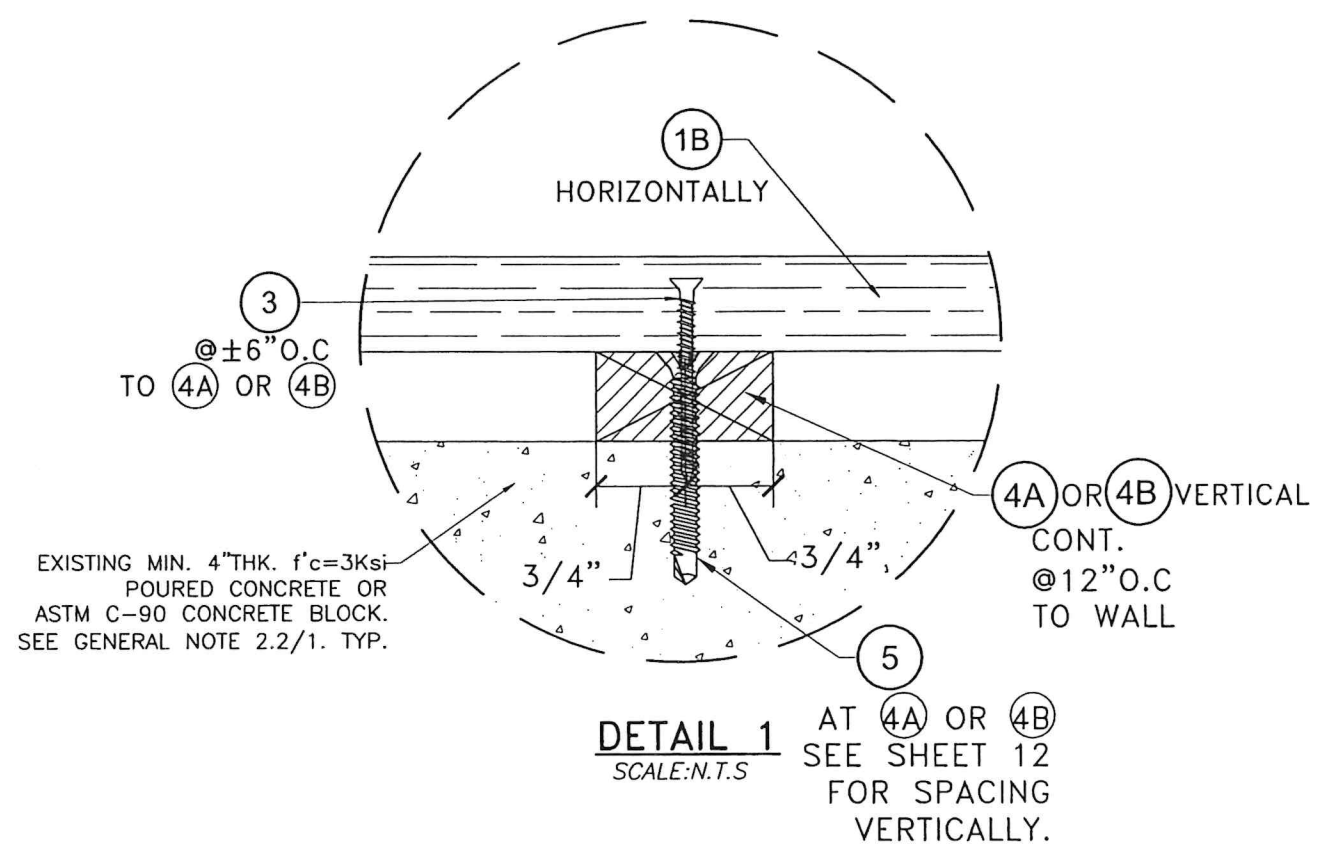
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**SECTION C-C: 1B RUNNING HORIZONTALLY
CONCRETE WALL OR CBS WALL SUBSTRATE.**
SCALE: N.T.S



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		26-110		DRAWING No.	
REV. NO		DESCRIPTION		DATE	
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2		-		-	
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				SHEET 8 of 12	

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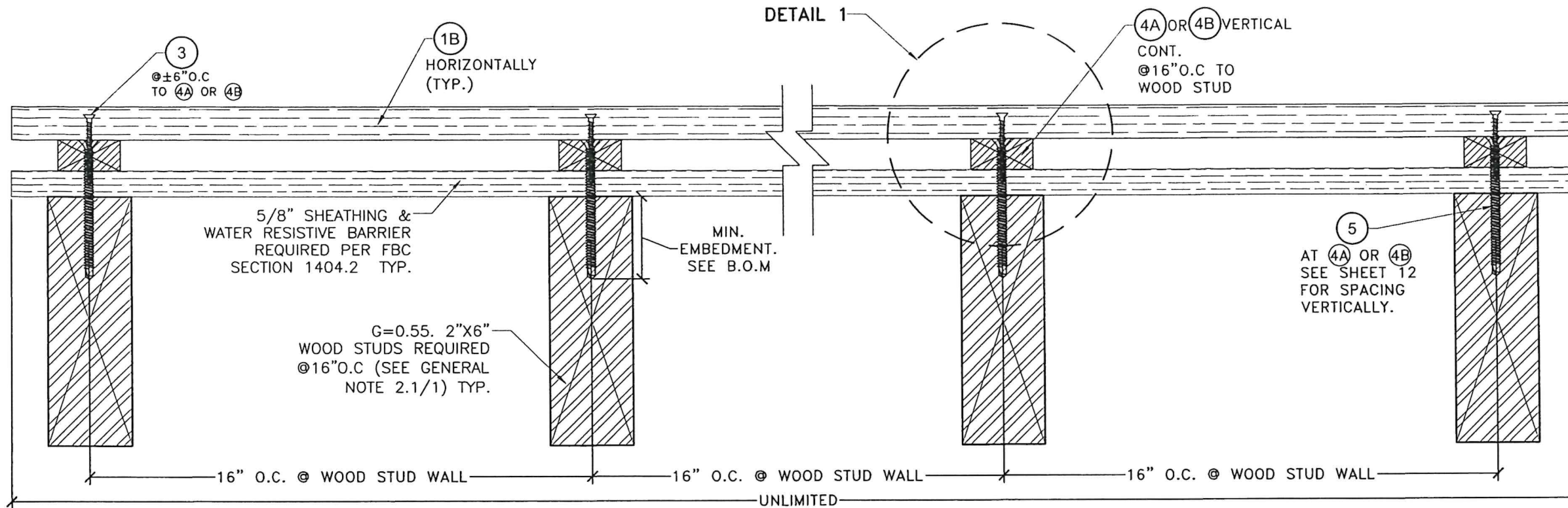
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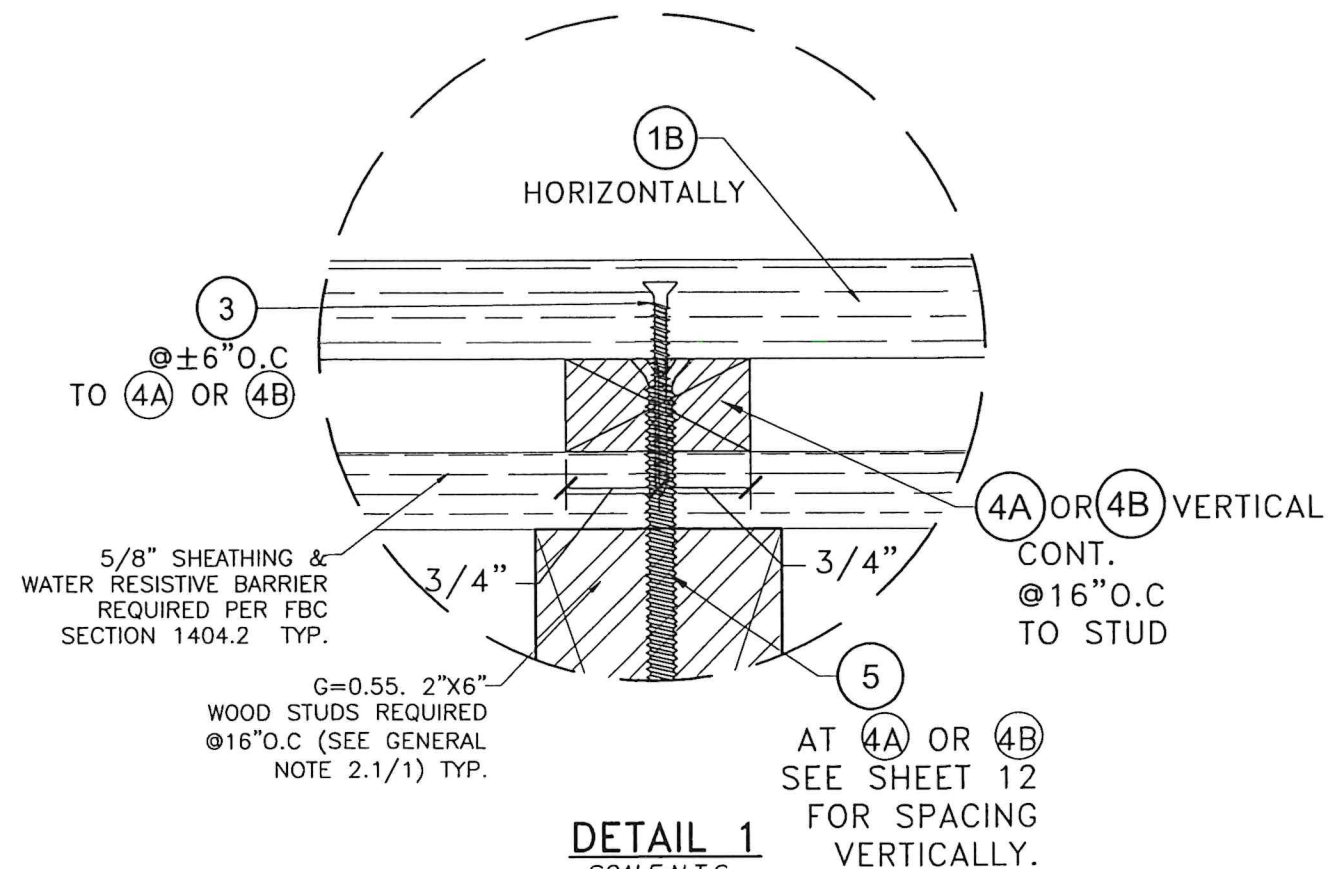
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SECTION C'-C': 1B RUNNING HORIZONTALLY
WOOD FRAME SUBSTRATE.

SCALE: N.T.S



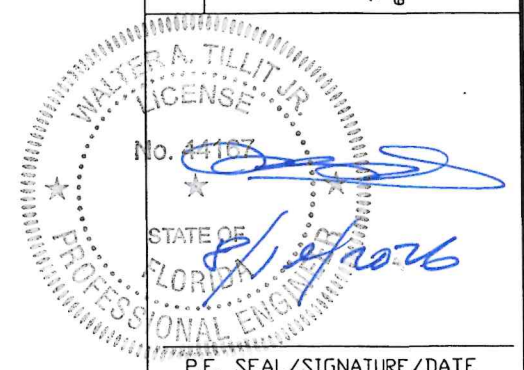
DETAIL 1
SCALE: N.T.S

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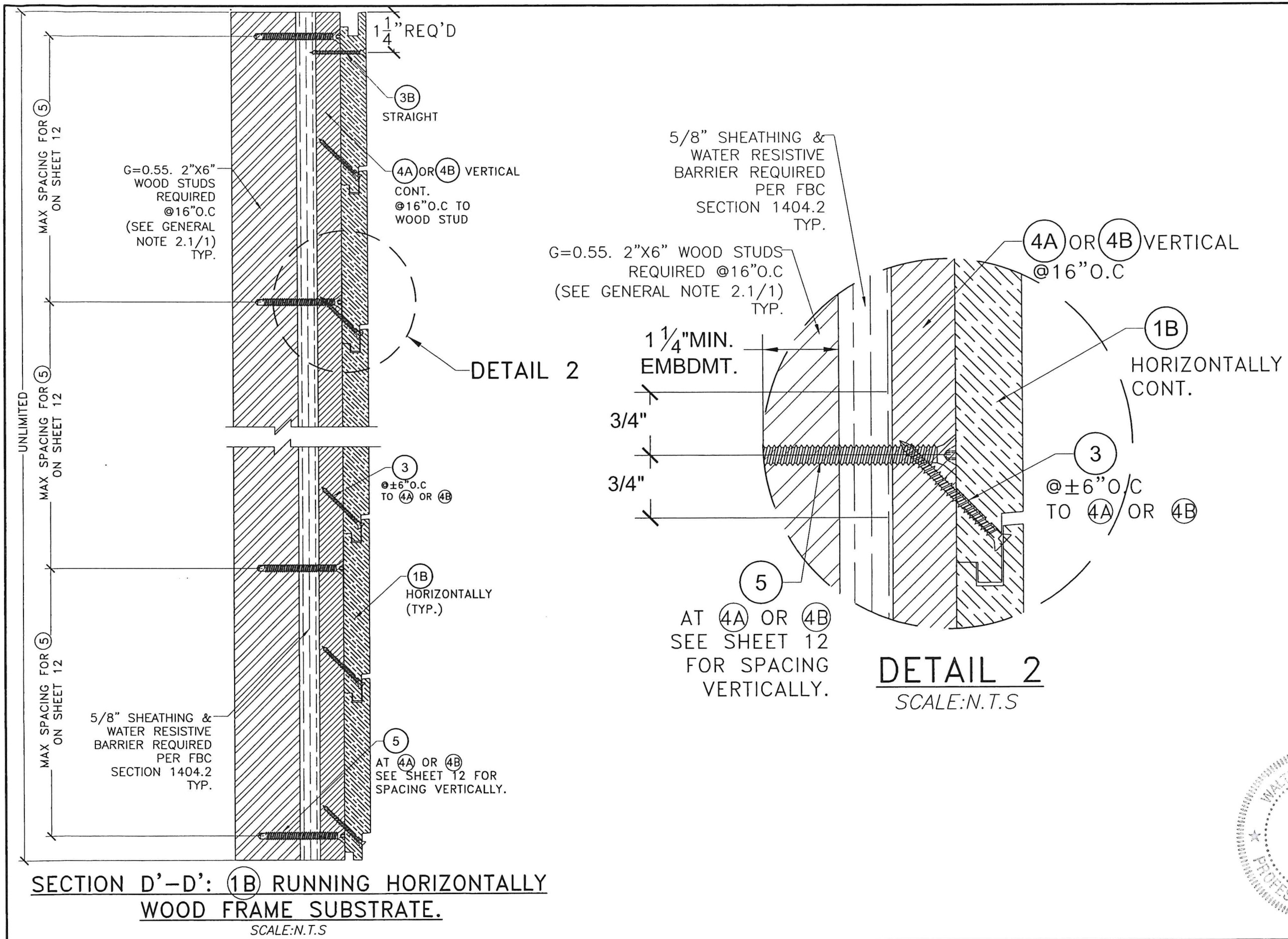
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EXTERIOR SIDING (WALL) MADE OF THERMALLY MODIFIED WOOD MATERIAL.		LUNAWOOD LLC. 5596 RIVERVIEW ROAD SE MABLETON, GA 30126 Phone: +358 50 563 0067 Email: info@lunawood.com		REV. NO	DESCRIPTION	DATE	
				1	OLD 24-127	6/29/26	3
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							DRAWING No.			DRAWING No.		
REV. NO		DESCRIPTION		DATE		REV. No		DESCRIPTION		DATE		
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SHEET 1 of 12												

FLORIDA
PROFESSIONAL ENGINEER
No. 44167

WALTER A. TILLIT JR.
P.E.
6/19/2026

P.E. SEAL/SIGNATURE/DATE

ANCHOR SCHEDULE FOR ANCHORAGE OF 4A & 4B TO WALL
SUBSTRATE FOR EXTERIOR 1B SIDING SYSTEM INSTALLATION:

ANCHOR TYPE	SUBSTRATE AT WALL								
	CONCRETE WALL Δ MIN. f'c=3000 psi AT 28 DAYS			CONCRETE BLOCK WALL Δ ASTM C-90			WOOD WALL **,** 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.
5	2 1/2"	1 3/4"	16" O.C.	2 1/2"	1 1/4"	10" O.C.	3/4"	1 1/2"	16" O.C.

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

* VALID ONLY FOR HORIZONTALLY INSTALLED FURRING 4A OR 4B AT WOOD FRAME WALLS

- MUST BE ANCHORED W/ 5 TO EXISTING 16" O.C. VERTICAL 2X WOOD STUDS @ EXISTING WOOD FRAME WALL (SEE NOTE 2/1).
- MIN. 1 1/2" EMBEDMENT IS AT EXISTING 2X WOOD STUDS BEYOND ANY EXISTING SHEATHING OR WALL FINISH.
- WOOD FRAME WALL MUST COMPLY WITH SECTIONS 1626.4.2, 1404.2 OF THE FLORIDA BUILDING CODE.
- FASTENER 5 MUST BE INSTALLED AT MIDWIDTH OF EXISTING 2X STUDS AT WOOD FRAME WALL.

* * VALID ONLY FOR VERTICALLY INSTALLED FURRING 4A OR 4B AT WOOD FRAME WALLS

- MUST BE ANCHORED TO COINCIDE WITH LOCATION OF EXISTING 16" O.C VERTICAL 2X WOOD STUDS @ EXISTING WOOD FRAME WALL (SEE NOTE 2/1).
- MAX. 16" O.C INDICATED SPACING FOR 5 IS VERTICAL SPACING ALONG EXISTING STUD'S HEIGHT.
- MIN. 1 1/2" 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.
- FASTENER 5 MUST BE INSTALLED AT MIDWIDTH OF EXISTING VERTICAL 2X STUD AT WOOD FRAME WALL.
- ADDITIONAL HORIZONTAL FURRING 4A OR 4B USED WHEN SIDING PLANK 1B INSTALLED VERTICALLY AT WOOD WALL SHALL ALSO BE ATTACHED TO EXISTING 16" O.C WOOD STUDS AT WALL BY DRIVING SCREW 5 THRU VERTICAL FURRING 4A OR 4B, PENETRATING MIN. 1 1/2" INTO EXISTING 2X STUDS AT WALL.

Δ ADDITIONAL HORIZONTAL FURRING 4A OR 4B USED WHEN SIDING PLANK 1B INSTALLED VERTICALLY AT POURED CONCRETE OR CONCRETE BLOCK WALL SHALL ALSO BE ATTACHED TO EXISTING WALL BY DRIVING SCREW 5 THRU VERTICAL FURRING 4A OR 4B, PENETRATING MIN. 1 3/4" INTO EXISTING POURED CONCRETE WALL & 1 1/4" INTO EXISTING CONCRETE BLOCK WALL.

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

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

EXTERIOR SIDING (WALL) MADE OF THERMALLY
MODIFIED WOOD MATERIAL.

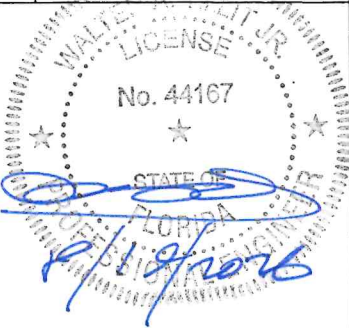
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