7517A1

MECKLENBURG COUNTY
HEALTH DEPARTMENT

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. **SEPTIC / TYPE APPLICATION:** ○ N/A ○ NEW SYSTEM ◉ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

2. **WELL / TYPE APPLICATION:** ◉ N/A ○ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

3. **JOB LOCATION INFORMATION:**

TAX PARCEL NUMBER: 05910412
STREET ADDRESS: 5244 Lewhaven DR
CITY: Charlotte
STATE: NC **ZIP:** 28208
SUBDIVISION NAME:
LOT #: **LOT SIZE (acres):** 0.57
TOWNSHIP:
◉ MECKLENBURG ○ CORNELIUS ○ HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

4. **BUILDING INFORMATION:**

BUILDING TYPE:
○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
◉ HOUSE ○ OTHER
HEATED SQUARE FOOTAGE: 1500
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS: 5
FOUNDATION TYPE:
○ CONCRETE SLAB ○ BASEMENT WITH PLUMBING
◉ CRAWL SPACE ○ BASEMENT WITH NO PLUMBING

5. **IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION:** ☐ N/A

NUMBER OF BEDROOMS TO BE ADDED: 1 NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: 1

6. **WATER SUPPLY:** ◉ MUNICIPAL ○ PRIVATE WELL ○ PUBLIC WELL ○ SHARED WELL ○ OTHER

7. **PROPOSED USE OF WELL:** ◉ N/A ○ IRRIGATION ○ POTABLE (DRINKING WATER) ○ OTHER

8. **PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE** *(1-MOST DESIRED 5-LEAST DESIRED):*

☑ N/A ☐ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER

8A. **RANK:** ____ ____ ____ ____ ____

9. **DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.**

BURIED CABLES, LANDFILLS, STUMPHOLES	○ YES ◉ NO	GRADING/SOIL REMOVAL PERFORMED	◉ YES ○ NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	◉ YES ○ NO	JURISDICTIONAL WETLANDS	○ YES ◉ NO
WELLS, SPRINGS, OR WATER LINES	○ YES ◉ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	○ YES ◉ NO
EASEMENTS OR RIGHT-OF-WAYS	○ YES ◉ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	○ YES ◉ NO
CHEMICAL/PETROLEUM STORAGE TANKS	○ YES ○ NO	KNOWN UNDERGROUND CONTAMINATION	○ YES ◉ NO
WASTE STORAGE	○ YES ◉ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	○ YES ◉ NO

10. **WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** ☑ UNKNOWN

11. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** ☑ N/A

12. **PROPERTY OWNER:**

NAME: David Milian
ADDRESS: 5244 Lewhaven Dr
CITY: Charlotte
STATE: NC ZIP: 28208
WORK PHONE:
MOBILE PHONE: +17049308461
FAX:
E-MAIL: david.milian1914@gmail.com

13. **OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**

NAME:
ADDRESS:
CITY:
STATE: ZIP:
WORK PHONE:
MOBILE PHONE:
FAX:
E-MAIL:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

DM (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of twelve (12) months from the date of issuance.

_____ (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below. A PROPOSED PLOT PLAN is required to be submitted with each application.

David Milian _____ 8-3-26

Property Owner's or Owner's Legal Representative Signature — Date

---

OFFICE USE ONLY

O SURVEY PLAT TO SCALE SUBMITTED O SCALED SITE PLAN SUBMITTED O UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: _____

GWS FILE NUMBER ASSIGNED: _____

APPLICATION ID NUMBER ASSIGNED: _____

COMMENTS:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

File #: _____

PROPOSED PLOT PLAN

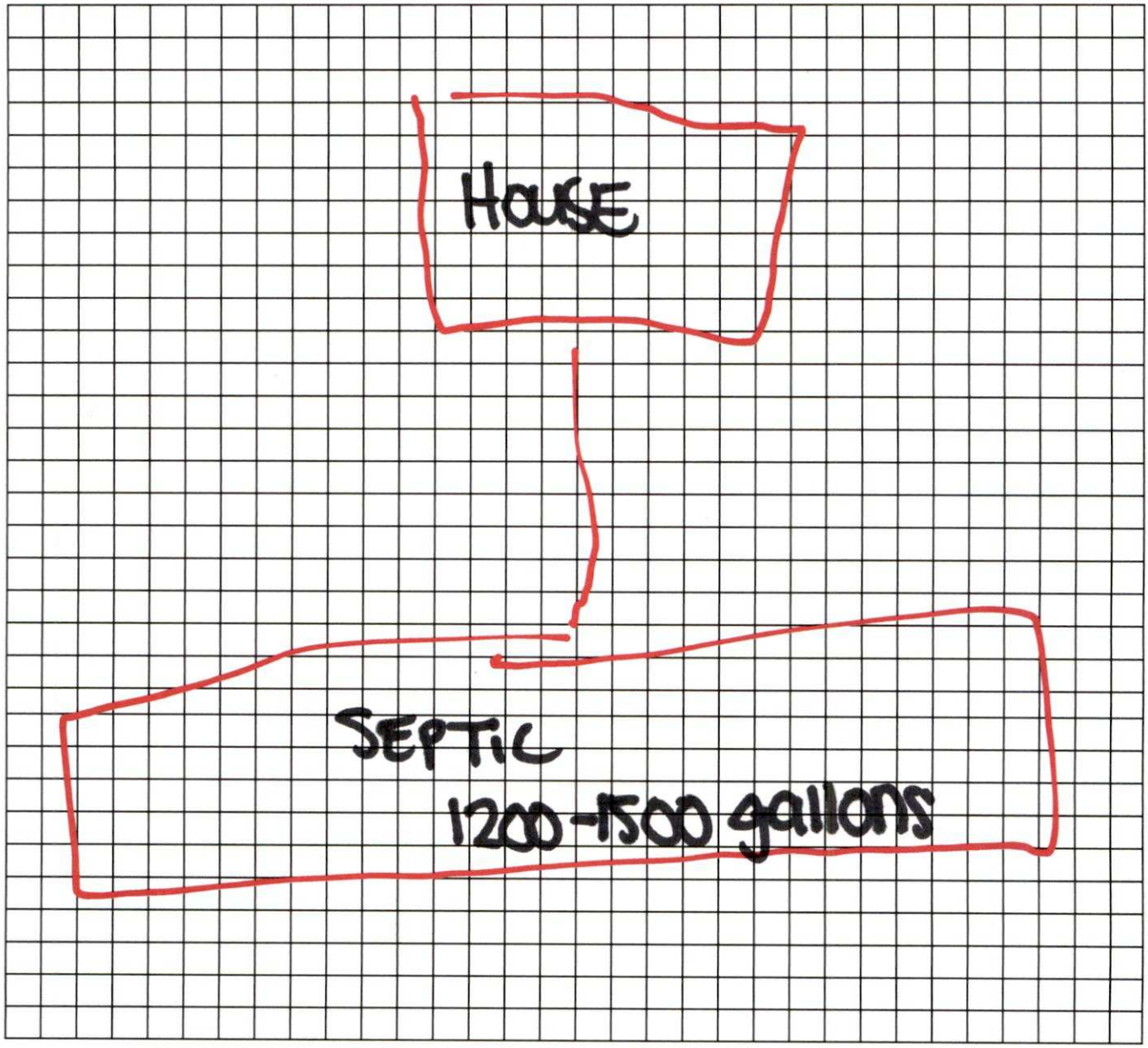
A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 5244 Lewhaven Dr

Tax Parcel #: 05910412

Subdivision Name: _____

Lot #: _____



David Milian

Property Owner's or Owner's Legal Representative Signature

08-04-26

Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

APPROVAL DATE

APPROVAL DATE

APPROVAL DATE

All efforts have been made to produce accurate drawings for this structure. However, a margin of error should be considered deriving from hand sketches or human omissions. All field measurements must be verified by others prior to any construction or renovation of this structure. By accepting and receiving this drawing the client and all contractors involved understand that Advanced Drafting & Design Co. reserves the right by limiting its liability remedies only to field verification and updating this drawing document if a margin of error has occurred and brought to our attention. Furthermore, Advanced Drafting & Design Co. is not a professionally licensed engineering firm and does not recommend initiating construction without having a professionally licensed engineer review all construction documents.

N·C·B·D·C

Note: These plans are protected by copyright. This plan set is intended for the construction of the project stated herein only. Plans cannot be reused or resold. No derivatives of plans can be made or used without written consent or permission from Advanced Drafting & Design Co. Copies of plans should only be made by agreement with Advanced Drafting & Design Co. separate Agreement with Advanced Drafting & Design Co. Unauthorized use or multiple builds without express written consent will result in minimum fine of $10,000 per occurrence.

ADVANCED DRAFTING & DESIGN CO.

PROUDLY PRESENTS:

MILIAN

5244 LEWHAVEN DRIVE, CHARLOTTE, NC

CODES AND STANDARDS IN FORCE: 2018 NC RESIDENTIAL BUILDING CODE

1. 18" and 36" rails around all floored attic areas.
2. As per 2018 NCRC Table R302.6, provide min. 5/8" Type "X" Gypsum Board on the ceiling between garage and habitiable space above and min 1/2" gypsum board on all garage walls.
3. No locking or bolt-latching hardware on paired egress doors w/leaves less than 2'-6"
4. Limiting opening device for windows less than 24" from the interior floor and 72" or more from the exterior grade.
5. 20 minute rated door from the house to the garage.
6. Insulation at air barrier areas shall be inspected before air barriers are installed.
7. R302.1.1 Where the property line is less than 5 feet from the building face and the soffit material is Vinyl or Aluminum, the soffit material shall be securely attached to the framing members and shall use underlayment material or either fire retardant treated wood; 23/32 inch wood sheathing, or 5/8 inch gypsum board. Venting requirements shall apply to both soffit and underlayment and shall be per section R806.
   Section R302.1.1.
8. Leave engineered product drawings on site.
9. Per Section 905.2.2 of the 2018 NCRC for roof slopes from 2 units vertical in 12 units horizontal, up to four units vertical in 12 units horizontal underlayment shall be two layers of #15 felt with overlapping seams.
10. Insulation at air barrier areas shall be inspected before air barriers are installed.
11. Construction should meet requirement of Section R318 of the 2018 NCRC for protection against subterranian termite damage
12. Egress windows shall have an minimum total glazing area of not less than 5.0 sq.ft. at the ground floor level and not less than 5.7 sq.ft. at any upper levels.
13. Any glazing installed in a location determind to be hazardous per Section R308.4 of the 2018 NCRC shall be tempered glass and entire assembly shall conform to all requirements.
14. R312.1.3 Exception 2 handrail pickets to not allow a 4 inch sphere to pass through
15. R311.7.5.1 & 2 Provide rised 8 1/4" max and tread 9 inch min.
16. R311.7.8.1 Provide handrail height min 36 inches / max 38 inches
17. R311.7.8.2 Handrails shall be continuous from top riser to lowest riser
18. Deck Construction must comply with Appendix M of the 2018 NCRC.

SHEET INDEX	
SHEET #	TITLE
1.1	COVER SHEET
2.1	ELEVATIONS
3.1	FOUNDATION PLAN
4.1	1ST FLOOR PLAN
6.1	ROOF PLAN
7.1	ELECTRICAL PLAN
8.1	CROSS SECTION
9.1	DETAILS
10.1	FINISH & SCHEDULES
10.2	NOTES

CONTACT INFORMATION
PHONE:
(704) 610-8070
ADDRESS:
1276 C Brawley School Rd
Mooresville, NC 28117

MEMBER AIBD AMERICAN INSTITUTE of BUILDING DESIGN

Advanced DRAFTING & DESIGN CO.

DRAWN BY: SMS

CD 7/15/26

ROOMS
1 BED / 1 BA

SQUARE FOOTAGES:
NEW HEATED: 748
TOTAL: 748

ADVANCED DRAFTING & DESIGN CO
PROUDLY PRESENTS

MILIAN
ADU

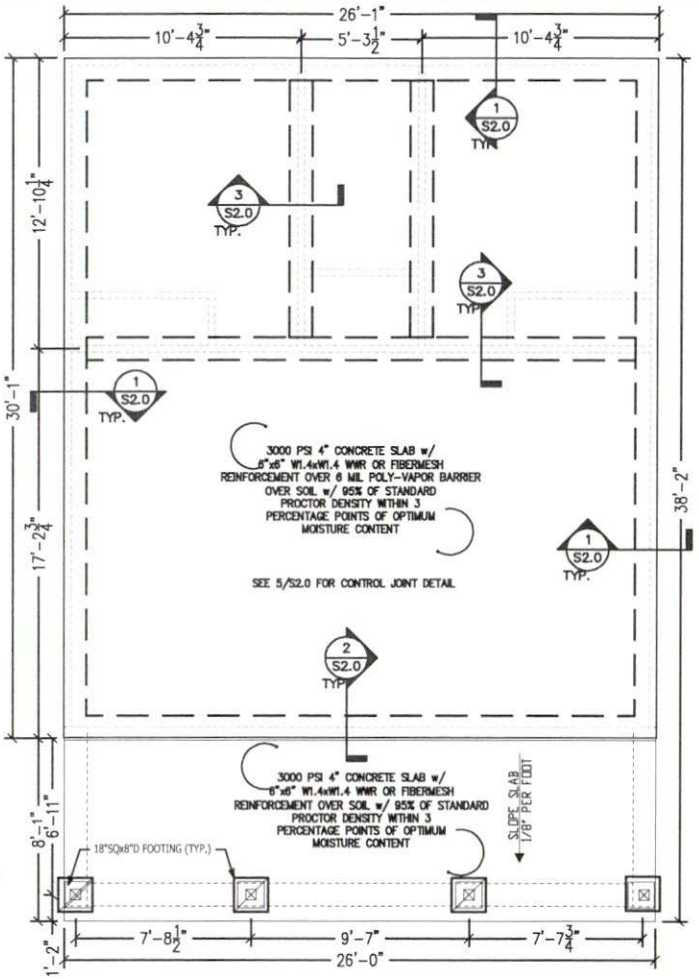
SHEET NUMBER

1.1

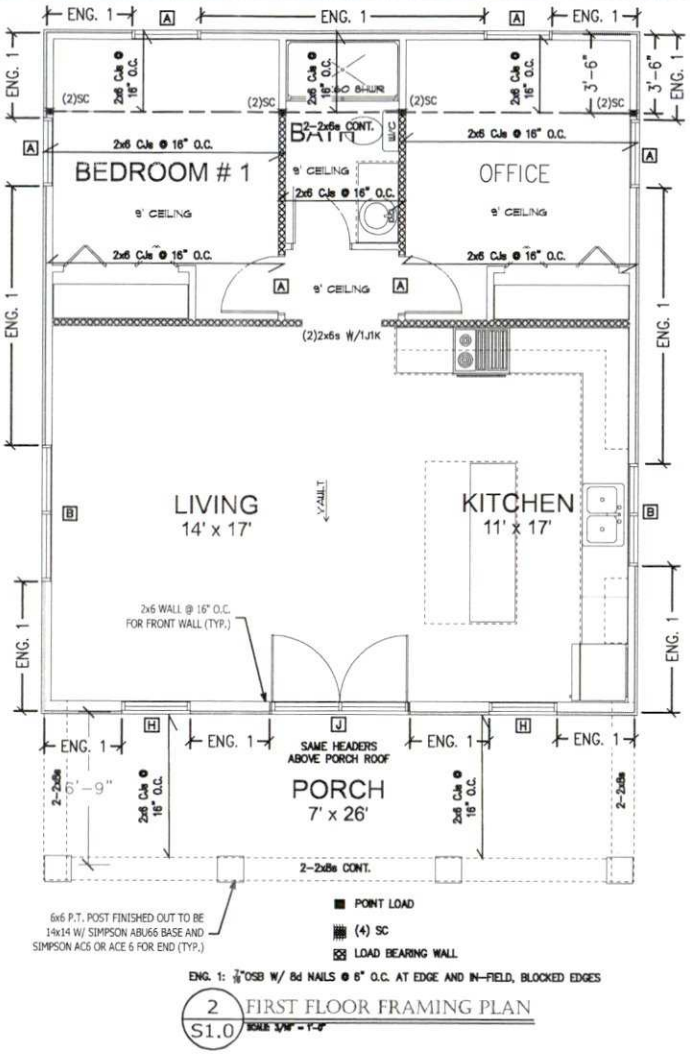
Thursday, July 30, 2026

GENERAL NOTES

1. LAYOUTS WERE CREATED BASED ON ARCHITECTURAL DRAWINGS.
2. ALL WOOD FRAMING MEMBERS ARE DESIGNED TO BE SPRUCE–PINE–FIR (SPF) #2, UNLESS NOTED OTHERWISE.
3. ALL MULTI–PLY COLUMNS SHALL BE IN ACCORDANCE WITH DETAIL 10/S9.0 AND MULTI–PLY BEAMS IN ACCORDANCE WITH DETAIL 9/S9.0.
4. STRUCTURAL ELEMENTS AND DRAWINGS WERE ANALYZED/CREATED BASED ON DRAWINGS PREPARED BY ADVANCED DRAFTING & DESIGN CO. ON 6.9.26. IF THE ARCHITECTURAL DRAWINGS ARE OTHER THAN THOSE OF THE REFERENCED DATE, FORTE DESIGN SHALL BE NOTIFIED IMMEDIATELY TO INSURE NO CONFLICTS EXIST, PRIOR TO CONSTRUCTION.
5. PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR SHALL REVIEW THE PLANS THOROUGHLY AND CONSULT FORTE DESIGN FOR CLARIFICATIONS ON ANY POTENTIAL CONFLICTS OR CONCERNS.
6. IF STRUCTURAL CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL CONTACT FORTE DESIGN IMMEDIATELY, TO RESOLVE THOSE CONFLICTS.
7. FORTE DESIGN REQUIRES THE CONSTRUCTION OF THE FACILITY TO BE SUPERVISED BY A COMPETENT INDIVIDUAL, IN THE FIELD OF RESIDENTIAL CONSTRUCTION, THAT CAN READ, INTERPRET AND COMMUNICATE THE CONTENT OF THESE PLANS.
8. GENERAL CONTRACTOR SHALL REFER BACK TO PAGE CS–1 FOR FURTHER SPECIFICATIONS OF MATERIALS OR CODE REFERENCES.
9. ALL EXTERIOR WALLS UP TO 10FT. TALL SHALL BE 2x4 SPF #2 @ 16" O.C. UNLESS NOTED OTHERWISE ON THE PLAN. TALL WALLS SHALL COMPLY WITH TABLE R602.3(5) OF THE CODE OR AS NOTED ON THE PLAN.
10. ALL WOOD ELEMENTS SUPPORTED BY HANGERS SHALL HAVE ALL HANGER HOLES FILLED WITH 16d NAILS OR AS SPECIFIED BY MANUFACTURER. NO HANGER SHALL BE BENT OR MODIFIED IN ANY WAY.
11. ALL BEAMS AND GIRDER SHALL HAVE A MINIMUM AMOUNT OF STUDS THAT FULL SUPPORT THE WITH OF SUCH ELEMENT.
12. NON–LOAD BEARING WALLS PARALLEL TO TRUSSES SHALL HAVE A TRUSS LOCATED UNDER IT OR 2X4 BLOCKING AT 16" O.C.
13. ALL POINT LOADS SHALL BEAR CONTINUOUSLY TO THE FOUNDATION. BLOCKING SHALL BE EQUAL TO OR BETTER THAN THE POINT LOAD SUPPORTS ABOVE.
14. FASTEN FIRST KING STUD TO LUMBER WITH AT LEAST THREE (3) 16d IN EACH PLY.
15. ALL NON–LOAD BEARING INTERIOR DOOR HEADERS 6" OR LESS SHALL BE LADDER FRAMED WITH A MINIMUM OF (2) 2X4 BOTTOM PLATE.



1 S1.0 FOUNDATION PLAN
SCALE 3/16" = 1'-0"



ENG. 1: ⅞"OSB W/ 8d NAILS @ 6" O.C. AT EDGE AND IN–FIELD, BLOCKED EDGES

2 S1.0 FIRST FLOOR FRAMING PLAN
SCALE 3/16" = 1'-0"

HEADER SCHEDULE

TAG	SIZE	JACKS (EACH END)
A	(2) 2X6	(1)
B	(2) 2X8	(2)
C	(2) 2X10	(2)
D	(2) 2X12	(2)
E	(2) 1–3/4"X9–1/4" LVL'S	(3)
F	(2) 1–3/4"X11–1/4" LVL'S	(3)
G	(2) 1–3/4"X14" LVL'S	(4)
H	(3) 2X6	(2)
I	(3) 2X8	(2)
J	(3) 2X10	(2)
K	(3) 2X12	(3)

KING STUD SCHEDULE SCHEDULE

FLOOR	CLEAR SPAN OPENING	KINGS
1ST	3–4'	2
	>4'–5'	3
	>5'–8'	4
	12'–0"	3.5"x5.25" VERSA–LAM 2650Fb
	16'–8"	3.5"x7" VERSA–LAM 2650Fb

FIRM SEAL: NORTH CAROLINA — Forte Design Solutions PLLC #P-2332 — CERTIFICATE OF LICENSURE

ENGINEER'S SEAL: NORTH CAROLINA PROFESSIONAL SEAL 049388 ENGINEER CHARLES D. MURPHY

8.3.26 A3MMXXVI21348

FORTE DESIGN SOLUTIONS - PLLC
7713 Iree Meadow Lane
Stanley, North Carolina 28164
(704) 860-8825
NC FIRM # P-2332

PROJECT # 26-0035 | DATE: July 14, 2026 | DESIGN BY: CDM | DRAWN BY: CDM

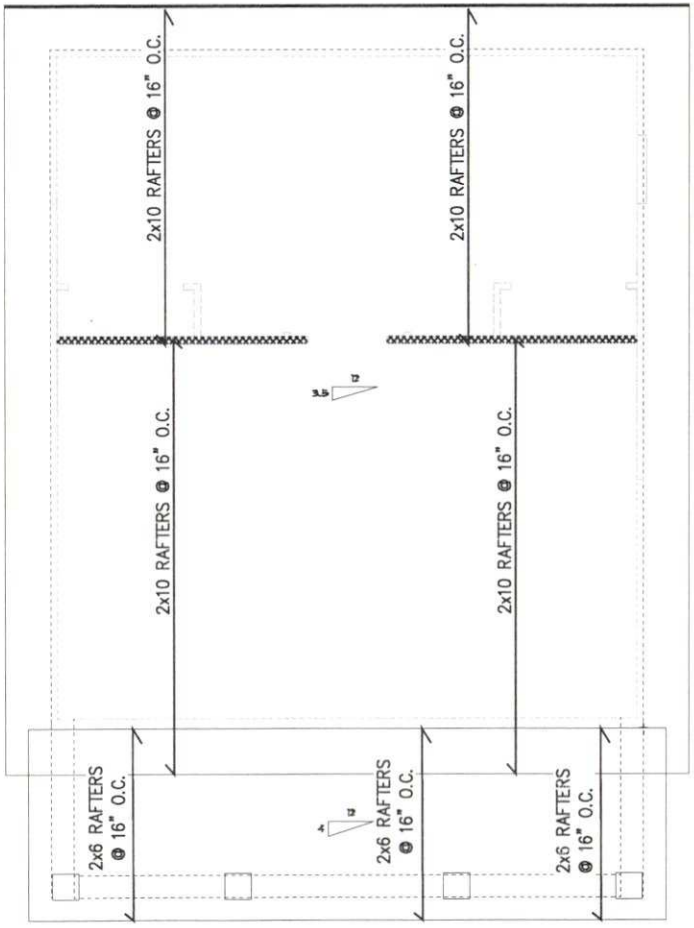
PROJECT:
MILIAN ADU
5244 Lewfaren Drive
Charlotte, North Carolina 28208

CLIENT:
David Milian
5244 Lewfaren Drive
Charlotte, North Carolina 28208

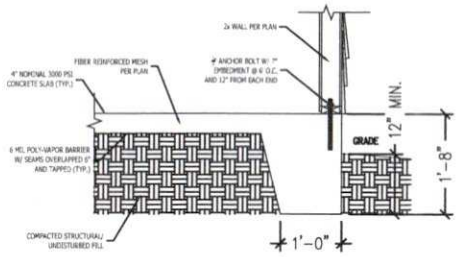
REVISION #	DATE	DESCRIPTION
1	8.3.26	UPDATED ROOM NAMES PER DESIGNER

SHEET TITLE: FRAMING AND FOUNDATION PLAN

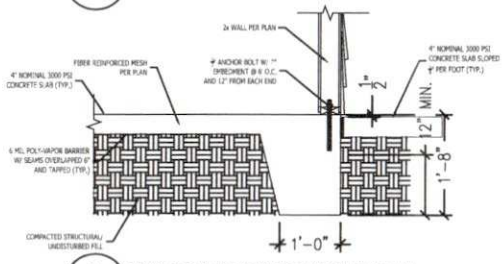
SHEET: S-1.0



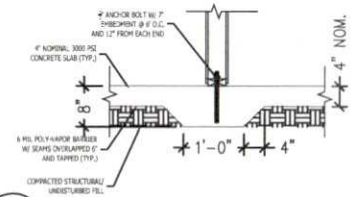
1 S2.0 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



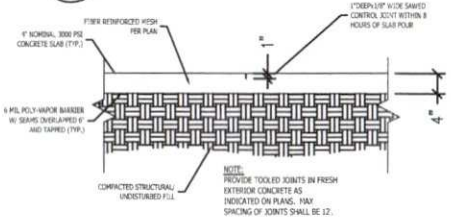
2 S2.0 TURN-DOWN FOUNDATION DETAIL
SCALE: 1/2" = 1'-0"



3 S2.0 TURN-DOWN FOUNDATION W/ SLAB DETAIL
SCALE: 1/2" = 1'-0"



4 S2.0 THICKENED SLAB DETAIL
SCALE: 1/2" = 1'-0"



5 S2.0 SLAB CONTROL JOINT DETAIL
SCALE: 1/2" = 1'-0"

FIRM SEAL
NORTH CAROLINA
Forte Design Solutions PLLC
#P-2332
CERTIFICATE OF LICENSURE

ENGINEER'S SEAL
NORTH CAROLINA PROFESSIONAL
SEAL 049388
ENGINEER
CHARLES D. MURPHY
7.14.26
J14MMXXVI1313R

FORTE DESIGN SOLUTIONS - PLLC
7773 Fer Meadow Lane
Stanley, North Carolina 28164
(704) 860-6835
NC P1330 & P-2332

PROJECT # 26-0035
DATE: July 14, 2026
DESIGN BY: CDM
DRAWN BY: CDM

PROJECT
MILIAN ADU
5244 Lewhaven Drive
Charlotte, North Carolina 28208

CLIENT
David Milian
5244 Lewhaven Drive
Charlotte, North Carolina 28208

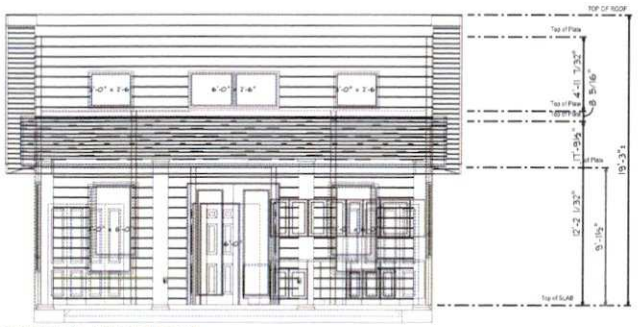
REVISION #	DATE	DESCRIPTION

SHEET TITLE
ROOF FRAMING PLAN AND CONSTRUCTION DETAILS

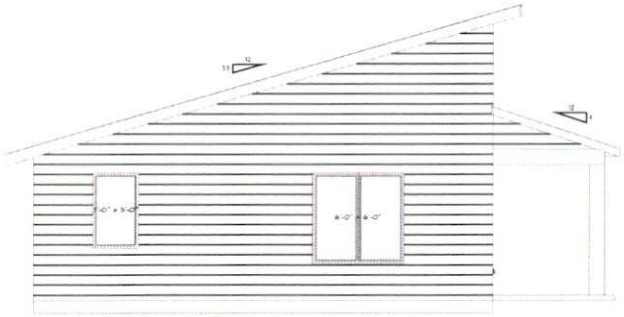
SHEET
S-2.0

GENERAL NOTES:

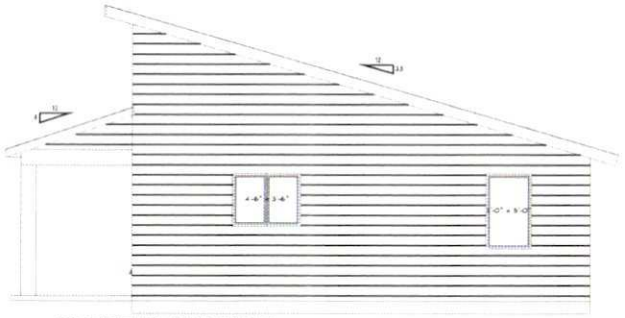
1. ADJUST HEEL HEIGHTS SO FASCIA PLANES OUT EVENLY, TYP.
2. ALL GUTTER COLORS TO MATCH ADJACENT MATERIAL, TYP.
3. COLUMNS TO HAVE BASE & TOP TRIM, TYP.
4. TEMP - SEE NOTE 13 ON SHEET 1.1
5. ALL FLASHING USED SHALL BE CORROSION - RESISITIVE.
6. GUTTERS AND DOWNSPOUTS SHALL BE ALUMINUM. DOWN SPOUTS SHALL BE 3" WITH TERMINATION OVER CONCRETE SPLASH BLOCKS.
7. INSTALL RIDGE VENTS NO MORE THAN 4'-0" FROM END OF THE RIDGE AND NO LESS THAN 2'-0".
8. ROOF FLASHING SHALL BE INSTALLED AS REQUIRED.
9. INSTALL "Z" FLASHING AT PALLADIAN WINDOW PANELS, AS REQUIRED.
10. INSTALL ALUMINUM FLASHING, OR EQUIV. AT ALL LOCATIONS WHERE CONCRETE IS IN CONTACT WITH WOOD FRAMING.
11. SEE R703.1.1 AND MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SIDING USED.



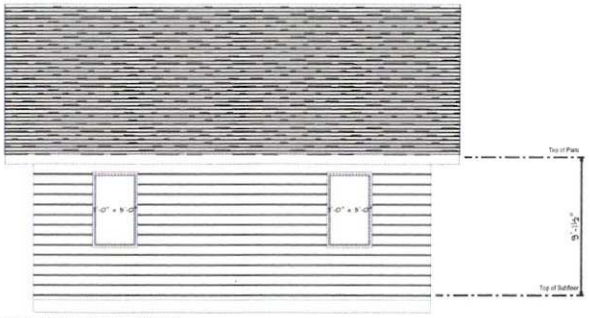
FRONT ELEVATION
SCALE: 1/8" = 1'-0"



LEFT ELEVATION
SCALE: 1/8" = 1'-0"



RIGHT ELEVATION
SCALE: 1/8" = 1'-0"



REAR ELEVATION
SCALE: 1/8" = 1'-0"

N·C·B·D·C NATIONAL COUNCIL OF BUILDING DESIGN CERTIFICATION

CONTACT INFORMATION
PHONE:
(704) 610-8070
ADDRESS:
1276 C Brawley School Rd
Mooresville, NC 28117

MEMBER AIBD AMERICAN INSTITUTE of BUILDING DESIGN

Advanced DRAFTING & DESIGN CO.

DRAWN BY: SMS

CD 7/15/26

ROOMS
1 BED / 1 BA

SQUARE FOOTAGES:
NEW HEATED: 746
TOTAL: 746

ADVANCED DRAFTING & DESIGN CO. PROUDLY PRESENTS

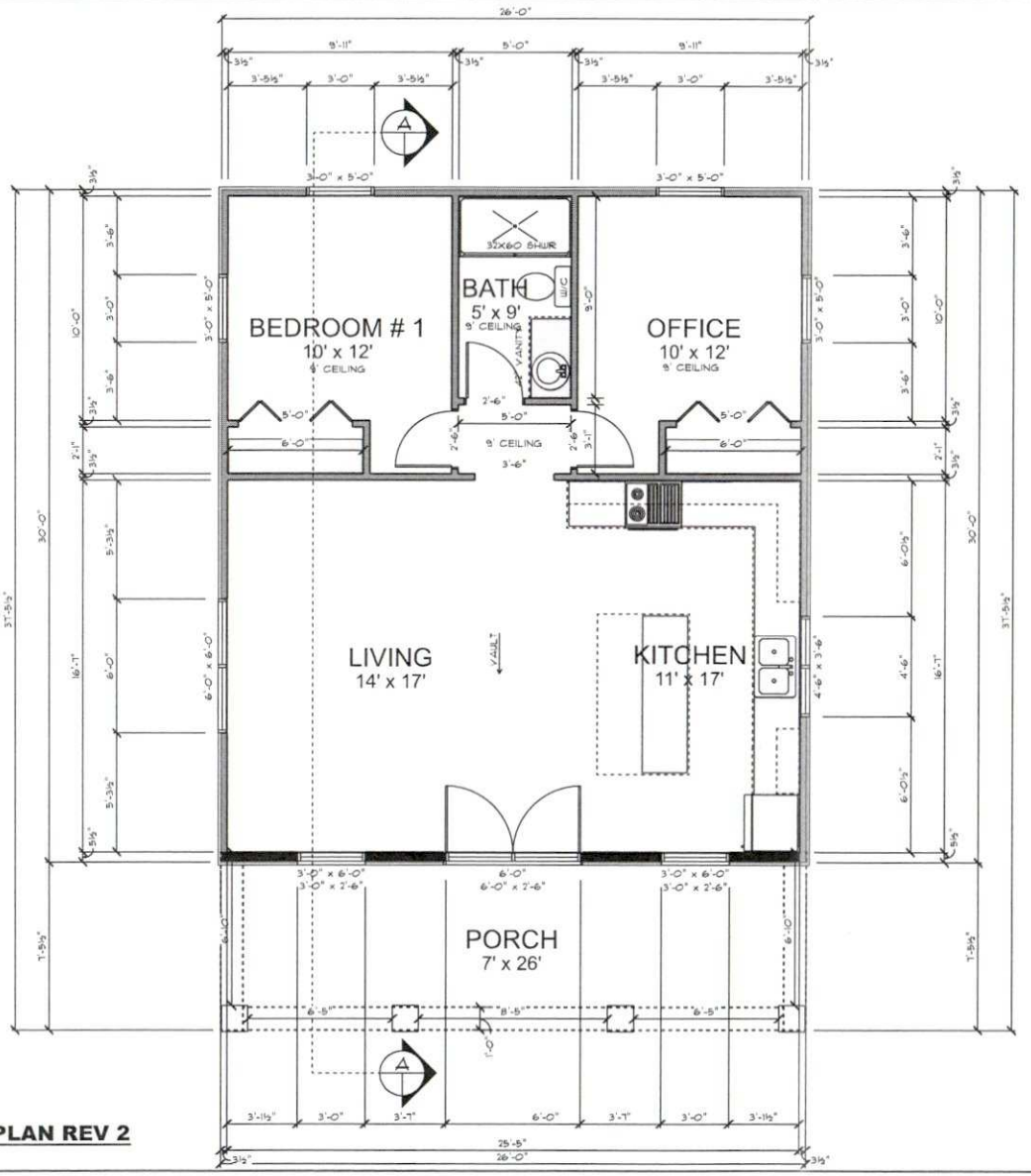
MILIAN
ADU

SHEET NUMBER
2.1

Thursday, July 30, 2026

GENERAL NOTES:

1. 1ST FLOOR PLATE HEIGHT TO BE 9'-1 1/2", U.N.O.
2. WINDOW & EXTERIOR DOOR HEADER HEIGHT TO BE 8'-0", U.N.O.
3. CLOSET SHELF HEIGHT ABOVE FLOOR TO BE: 65" FOR SINGLE & 42"/84" FOR DOUBLE
4. ALL TUBS/SHOWERS TO HAVE NAILERS AT FLANGE.
5. INSTALL NEW INSULATION AT FLOORS, CEILINGS, AND EXTERIOR WALLS, PER 2018 NCRC.
6. ENSURE ALL OPENINGS ARE AIR TIGHT, AND INSULATED AROUND ALL WINDOWS. THE BUILDING THERMAL ENVELOPE SHALL MEET THE REQUIREMENTS OF TABLE N1102.1.2.
7. INSTALL WOOD MOLDING AROUND ALL DOORWAYS.
8. APPLY PAINT AND WALL PAPER TO SMOOTH FINISH AREAS PER FINISH SCHEDULE.
9. ALL PLAN DIMENSIONS ARE TO THE FACE OF STUD FRAMING.
10. ALL OPENING R.O. TO BE VERIFIED IN FIELD TO MANUFACTURER SPECIFICATIONS.



1ST FLOOR PLAN REV 2

SCALE: 3/16" = 1'-0"

N·C·B·D·C NATIONAL COUNCIL OF BUILDING DESIGN CERTIFICATION

MEMBER AIBD AMERICAN INSTITUTE of BUILDING DESIGN

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DRAWN BY: SMS

CD 7/15/26

ROOMS

1 BED / 1 BA

SQUARE FOOTAGES:

NEW HEATED: 748

TOTAL: 748

ADVANCED DRAFTING & DESIGN CO. PROUDLY PRESENTS:

MILIAN
ADU

SHEET NUMBER

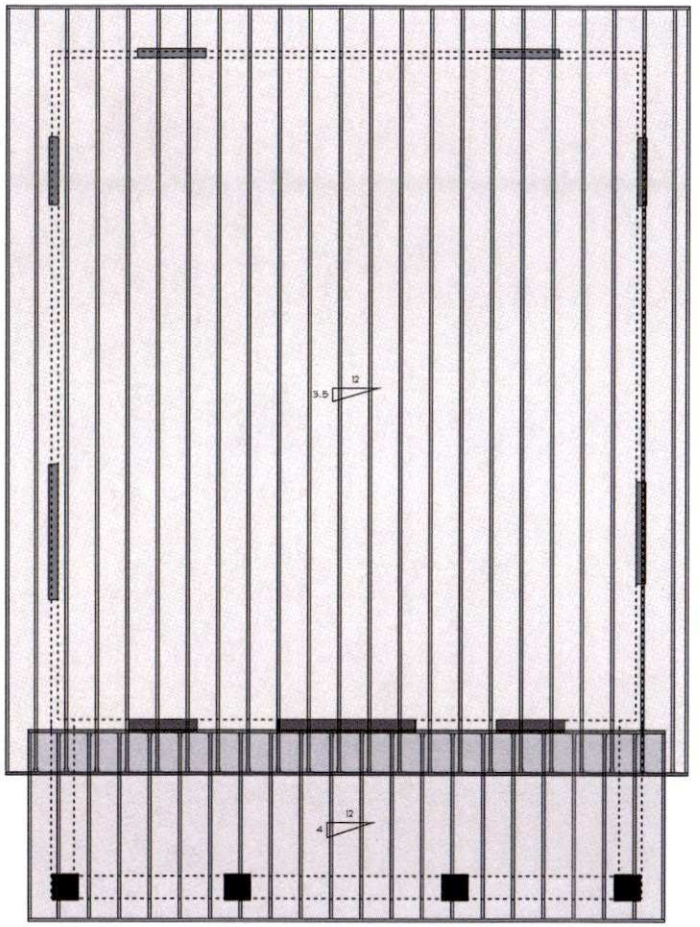
4.1

Thursday, July 30, 2026

ROOFING FRAMING NOTES:

1. FRAMING PER STRUCTURAL PLANS
2. SEE R905.1.1 AND MANUFACTURERS INSTALLATION INSTRUCTIONS FOR UNDERLAYMENT OF ASPHALT SHINGLES.

FOR DESIGN WIND SPEED
SEE STRUCTURAL PLANS



1ST FLOOR PLAN REV 2 - ROOF

SCALE: 3/16" = 1'-0"

CONTACT INFORMATION
PHONE:
(704) 610-8070
ADDRESS:
1276 C Brawley School Rd
Mooresville, NC 28117

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Advanced DRAFTING & DESIGN CO.

DRAWN BY: SMS

CD 7/15/26

ROOMS

1 BED / 1 BA

SQUARE FOOTAGES:

NEW HEATED: 746

TOTAL: 746

ADVANCED DRAFTING & DESIGN CO. PROUDLY PRESENTS:

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ADU

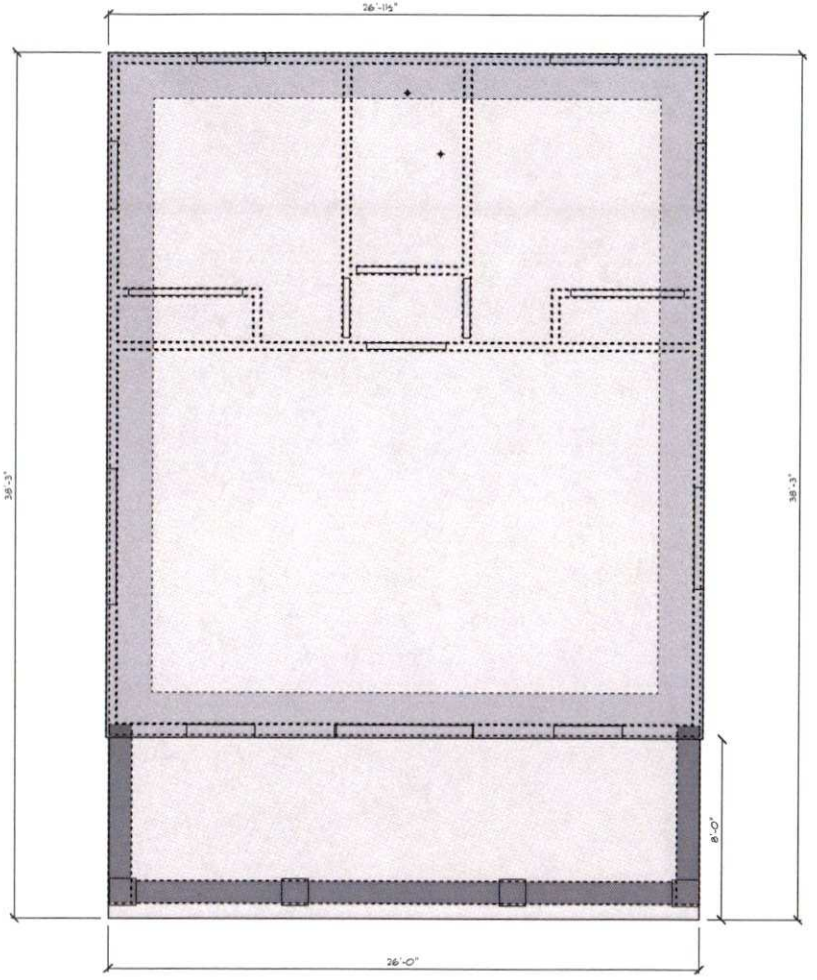
SHEET NUMBER

6.1

Thursday, July 30, 2026

FOUNDATION NOTES:

1. 16" x 20" TURNDOWN SLAB W/ BRICK LEDGE, TYP. (U.N.O.)
2. ALL MEASUREMENTS ARE TO OUTSIDE OF FOOTER. THICKENED SLAB DIMENSIONS ARE TO CENTER OF WALL ABOVE.
3. PLAN DIMENSIONS ARE PER ELEVATION 2.1 PAGE
4. SLAB CONCRETE TO BE MIN 3,000 PSI COMPRESSIVE STRENGTH, TYP. (U.N.O.)
5. FOOTER CONCRETE TO BE MIN 3,000 PSI COMPRESSIVE STRENGTH, TYP. (U.N.O.)
6. MIN. 2,000 PSF SOIL BEARING CAPACITY, TYP. (U.N.O.)



MONOSLAB PLAN
SCALE: 3/16" = 1'-0"

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ROOMS
1 BED / 1 BA

SQUARE FOOTAGES:
NEW HEATED: 748
TOTAL: 748

ADVANCED DRAFTING & DESIGN CO. PROUDLY PRESENTS

MILIAN
ADU

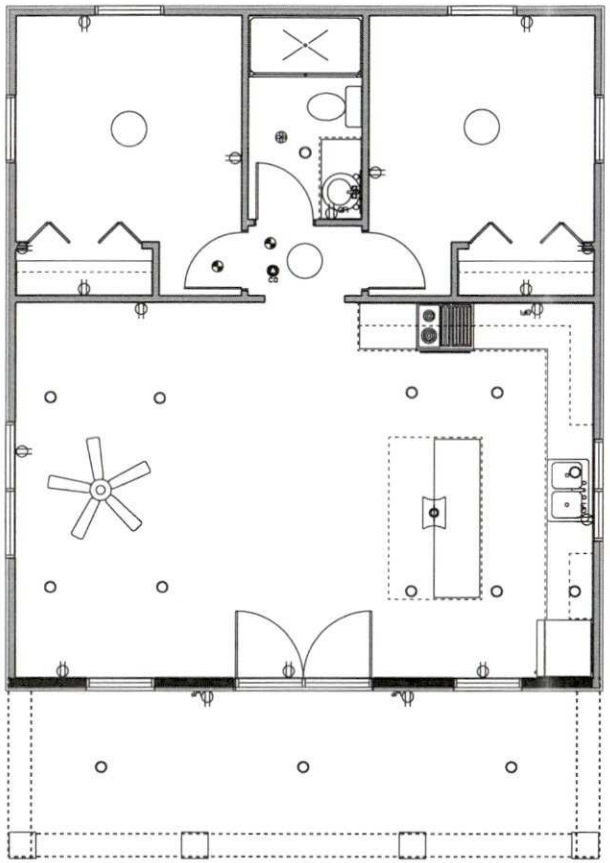
SHEET NUMBER
3.1

Thursday, July 30, 2026

HVAC NOTES:

1. ALL FURNACES NOT LOCATED IN HEATED AREAS TO BE AS CENTRALLY LOCATED AS POSSIBLE IN ACCORDANCE W/ ALL APPLICABLE CODES.
2. BUILDER & HVAC CONTRACTOR RESERVE THE RIGHT TO LOCATE SUPPLY VENTS & LINES.
3. LOCATE RETURN AIR REGISTERS AS CLOSE TO FURNACE UNIT & CENTRALLY LOCATED AS POSSIBLE
4. OUTSIDE COMPRESSOR UNIT TO BE LOCATED AS CLOSE TO INTERIOR AIR HANDLER AS POSSIBLE. OUTSIDE COMPRESSOR TO BE MIN. 20' AWAY FROM DRYER VENT WHERE POSSIBLE
5. FIRST FLOOR - FLOOR SUPPLY & RETURNS SECOND FLOOR - CEILING SUPPLY & RETURNS
6. INSTALL CEILING WOOD BLOCKING IN AREAS FOR CEILING LIGHTS/FANS.
7. INSTALL NEW PLUMBING FIXTURES AND PIPES AS REQUIRED FOR NEW PLUMBING FIXTURES.
8. INTALL NEW ELECTRICAL FIXTURES, SWITCHES, OUTLETS, AND WIRING AS REQUIRED FOR NEW ELECTRICAL FIXTURES, SWITCHES, OUTLETS, AND WIRING.
9. INSTALL NEW APPLIANCES PER CABINET LAYOUT PLANS, PROVIDED BY OTHERS.

ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
ceiling fan 5 bladed 01	1	
can light 6inch	14	
ceiling light 03	3	
co detector	1	
fan	1	
outlet	13	
outlet gfi	3	
outlet wp	2	
smoke detector	2	
vanity bar light 02	1	
ceiling teorema	1	



1ST FLOOR PLAN REV 2 - ELECTRICAL

SCALE: 3/16" = 1'-0"

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ADDRESS:
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ROOMS

1 BED / 1 BA

SQUARE FOOTAGES:

NEW HEATED: 748

TOTAL: 748

ADVANCED DRAFTING & DESIGN CO. PROUDLY PRESENTS:

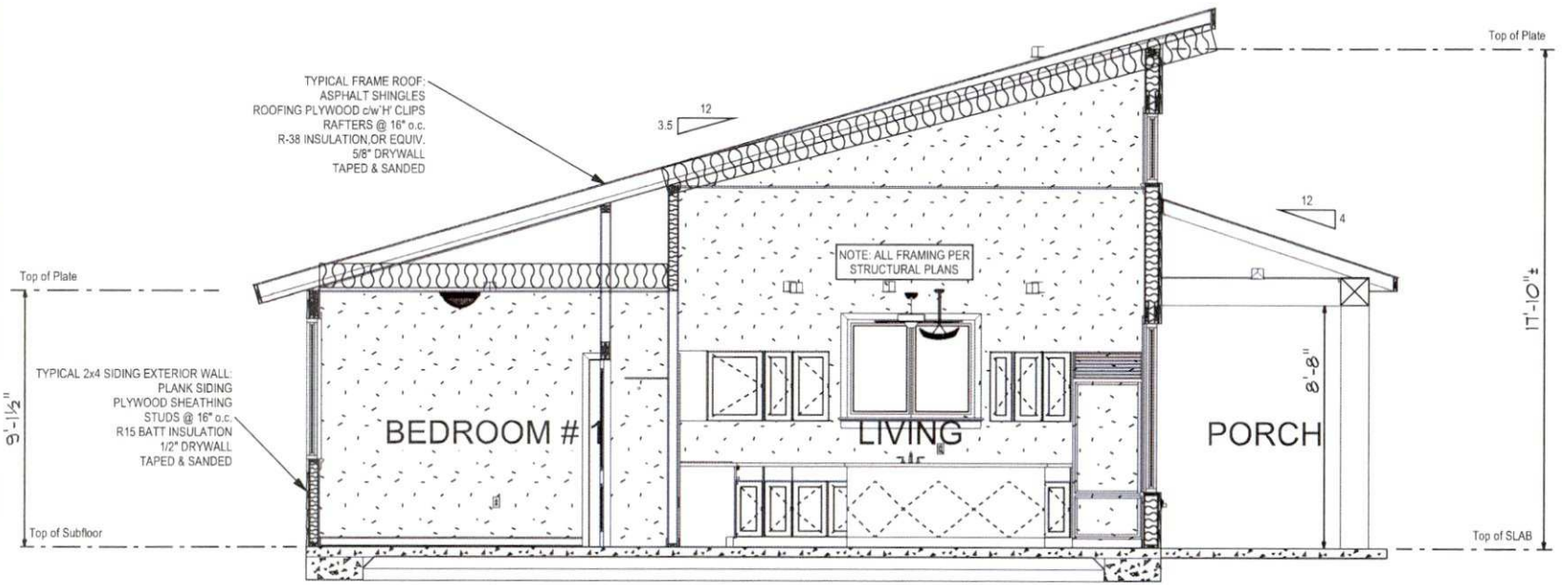
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7.1

Thursday, July 30, 2026



A

CROSS SECTION A

SCALE: 1/4" = 1'-0"

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ROOMS

1 BED / 1 BA

SQUARE FOOTAGES:

NEW HEATED: 746

TOTAL: 746

ADVANCED DRAFTING & DESIGN CO. PROUDLY PRESENTS

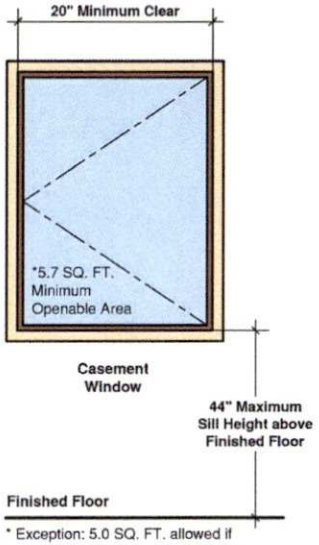
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ADU

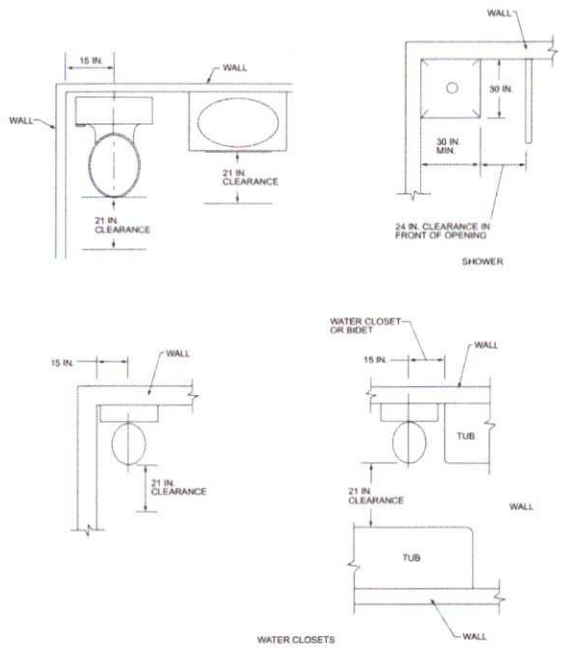
SHEET NUMBER

8.1

Thursday, July 30, 2026



* Exception: 5.0 SQ. FT. allowed if located at grade floor or below grade.



For SI: 1 inch = 25.4 mm.

FIGURE R307.1
MINIMUM FIXTURE CLEARANCES

CONTACT INFORMATION
PHONE:
(704) 610-8070
ADDRESS:
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ROOMS

1 BED / 1 BA

SQUARE FOOTAGES:

NEW HEATED: 746

TOTAL: 746

ADVANCED DRAFTING & DESIGN CO.
PROUDLY PRESENTS

MILIAN
ADU

SHEET NUMBER

9.1

Thursday, July 30, 2026

NOTE: ALL SCHEDULE INFO INCLUDING TYPES & QUANTITIES TO BE VERIFIED BY CONTRACTOR

OPENING SCHEDULE				
PRODUCT CODE	SIZE	HINGE	REVERSED	COUNT
30X80 COLONIAL A 1	2'-6"	L	NO	2
30X80 COLONIAL A 1	2'-6"	R	NO	1
36X60 CASEMENT 1	3'-0" x 5'-0"	N	NA	4
36X72 CASEMENT 1	3'-0" x 6'-0"	N	NA	2
54X42 CASEMENT 2	4'-6" x 3'-6"	NN	NA	1
60x80 BIFOLD 2 PANEL 2	5'-0"	LR	NO	2
72X30 CASEMENT 2	6'-0" x 2'-6"	NN	NA	1
72X72 CASEMENT 2	6'-0" x 6'-0"	NN	NA	1
72X96 GLASS 2	6'-0"	LR	NO	1
TRANSOM-MODIFIED	3'-0" x 2'-6"	N	NA	2

ENERGY COMPLIANCE			
LOCATION	R-VALUE	U-FACTOR	SHGC
Window/Door	-	0.35	0.30
Skylight	-	0.55	0.30
Ceiling	38	-	-
2X4 Wall	15	-	-
2X6 Wall	19	-	-
Built-up Floor	19	-	-
Slab-on-grade	10	-	-

FINISH NOTES:
1. FLOORING = WOOD AND TILE, OR ENGINEERED EQUIV.
2. INTERIOR WALLS = PAINTED GYPSUM BOARD
3. CEILING = PAINTED GYPSUM BOARD.
4. EXTERIOR WALLS = PLANK SIDING.
5. ROOF = ASPHALT SHINGLES.

ROOM FINISH SCHEDULE								
ROOM NAME	FLOORING	CEILING FINISH	CEILING MATERIAL	WALLCOVERING	BASEBOARD	CHAIR RAIL	CROWN MOLD	TRAY
BATH	Tile 1	Painted	Drywall	Paint 1	Baseboard\colonial			
BEDROOM # 1	Hardwood 1	Painted	Drywall	Paint 1	Baseboard\colonial			
HALLWAY	Hardwood 1	Painted	Drywall	Paint 1	Baseboard\colonial			
KITCHEN	NA	Painted	Drywall	NA	Baseboard\colonial			
LIVING	Hardwood 1	Painted	Drywall	Paint 1	Baseboard\colonial			
OFFICE	Hardwood 1	Painted	Drywall	Paint 1	Baseboard\colonial			
PORCH	NA	Painted	Drywall	NA				

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ROOMS

1 BED / 1 BA

SQUARE FOOTAGES:

NEW HEATED: 748

TOTAL: 748

ADVANCED DRAFTING & DESIGN CO. PROUDLY PRESENTS

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SHEET NUMBER

10.1

Thursday, July 30, 2026

GENERAL NOTES:

1. The design professional whose seal appears on these drawings is the structural engineer of record (SER) for this project. The SER bears the responsibility of the primary structural elements and the performance of this structure. No other party may revise, alter, or delete any structural aspects of these construction documents without written permission of the SER.
2. The structure is only stable in its completed form. The contractor shall provide all required temporary bracing during construction to stabilize the structure.
3. This structure and all construction shall conform to all applicable sections of the 2018 North Carolina Residential Code (NCRC) and any local codes or restrictions. It is the responsibility of the contractor to verify code compliance.

EXTERIOR:

1. Clean front, side, and rear yard areas.
2. Trim trees and cut grass, as required.
3. Remove damaged siding, as required.
4. Repair or replace existing shingles, as required.
5. Remove all rotten wood and replace with new.
6. Replace gutters and downspouts, as required.
7. Replace handrails, as required. Install handrails as need to meet 2018 NCRC requirements.

FOUNDATIONS:

1. Foundations shall be constructed in accordance with chapter 4 of the 2018 NC Residential Code
2. Footing sizes based on a presumptive soil bearing capacity of 2000 PSF. Contractor is solely responsible for verifying the suitability of the site soil conditions at the time of construction
3. Maximum depth of unbalanced fill against masonry walls to be as specified in section R404.1 of the 2018 NCRC
4. The bottom of all footings shall extend below the frost line for the region in which the structure is to be constructed. However, the bottom of all footings shall be a minimum of 12" below grade.
5. Crawl spaced to be graded level and clear of all debris
6. Provide foundation waterproofing and drain with positive slope to outlet as required by site conditions
7. Energy efficiency compliance and insulation of the structure to be in accordance with Chapter 11 of the 2018 NCRC

CONTRACTOR RESPONSIBILITIES:

1. The contractor shall visit the site and become familiar with all of the existing conditions.
2. The contractor shall check and verify all dimensions before construction.
3. All trash and surplus materials resulting from the work of the contractor shall be removed from the site.
4. At the completion of the work, the contractor shall thoroughly clean the interior and exterior of the building including hardware, floors, roofs, sills, ledges, glass or other surfaces where debris, plaster, paint spots, and dirt may have collected.
5. Completely seal with caulking compound joints around frames and sills of doors, windows, and other openings in exterior walls. Joints and spaces to be caulked shall be clean, free from dust, and dry. All caulked joints shall be watertight. Remove excess caulking and have surface neat, smooth, clean.
6. The painter shall examine the surface to be painted or finished and shall notify the contractor of any defects found. In no case shall the paint or finish material be applied to a defective surface.
7. The contractor shall obtain a color selection for the owner or designer for all types of work and shall prepare samples of each type of color for approval.
8. All work shall meet the requirements outlined in the 2018 north Carolina Residential Code.

INSULATION:

1. Polyseal all holes in framed top plates and exterior walls.
2. All exterior walls shall be insulated with R-15 batt insulation with vapor barrier to meet 2018 NCRC requirements.
3. Ceiling insulation shall be R-38 batt insulation to meet 2018 NCRC requirements.

EXTERIOR PAINT:

1. Wood siding shall have two coats of stain or paint. brushed not sprayed.
2. Wood trim shall have two coats of stain or paint. brushed not sprayed.
3. Metal surfaces shall have two coats of oil base enamel paint, not sprayed.
4. Apply oil base, semi gloss paint on exterior doors and garage door.
5. Choice of colors shall be by owner or designer.

INTERIOR PAINT:

1. Finish all interior walls with two coats of flat latex acrylic paint.
2. All walls shall have one coat of primer, one coat of latex flat. See owner or designer for colors.
3. Finish kitchen and bathrooms with semi gloss latex paint.
4. All woodwork shall have one coat each stain, sealer, and finish.
5. Metal doors shal have two coats of oil base enamel paint.
6. Paint shall be Benjamin Moore, or equiv. to be verified and approved by owner or designer.

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CD 7/15/26

ROOMS

1 BED / 1 BA

SQUARE FOOTAGES:

NEW HEATED: 746

TOTAL: 746

ADVANCED DRAFTING & DESIGN CO. PROUDLY PRESENTS:

MILIAN
ADU

SHEET NUMBER

10.2

Thursday, July 30, 2026

GENERAL STRUCTURAL NOTES:

1. The design professional whose seal appears on these drawings is the structural engineer of record (SER) for this project. The SER bears the responsibility of the primary structural elements and the performance of this structure. No other party may revise, alter, or delete any structural aspects of these construction documents without written permission of FORTE DESIGN SOLUTIONS, PLLC (FDS) or the SER. For the purposes of these construction documents the SER and FDS shall be considered the same entity.
2. The structure is only stable in its completed form. The contractor shall provide all required temporary bracing during construction to stabilize the structure.
3. The SER is not responsible for construction sequences, methods, or techniques in connection with the construction of this structure. The SER will not be held responsible for the contractor's failure to conform to the contract documents, should any non-conformities occur.
4. Any structural elements or details not fully developed or the construction drawings shall be completed under the direction of a licensed professional engineer. These shop drawings shall be submitted to FDS for review before any construction begins. The shop drawings will be reviewed for overall compliance as it relates to the structural design of this project. Verification of the shop drawings for dimensions, or for actual field conditions is not the responsibility of the SER or FDS.
5. These drawings are to be coordinated with the architectural, mechanical, plumbing, electrical, and civil drawings. This coordination is not the responsibility of the SER. Should any discrepancies become apparent the contractor shall notify FDS before any construction begins.
6. Verification of assumed field conditions is not the responsibility of the SER. The contractor shall verify the field conditions for accuracy and report any discrepancies to FDS before construction begins.
7. The SER is not responsible for any secondary structural elements or non-structural elements, except for the elements specifically noted on the structural drawings.
8. This structure and all construction shall conform to all applicable sections of the 2018 NC building code.

DESIGN LOADS:

1. Building Codes
   1.1 North Carolina Residential Code, 2018 Edition
   1.2 Minimum Design Loads for Buildings and Other Structures, ASCE 7-10.

2. Design Loads

2.1	Roof Dead Load	20 psf
2.2	Roof Live Load	20 psf
2.3	Ground Snow Load, Pg	10 psf
2.4	Typical Floor Dead Load	15 psf
2.5	Floor Live Loads	40 psf
2.6	Basic Wind Speed (3 second gust)	115 mph
	EXPOSURE CATEGORY	B
2.7	Seismic Loads	
	2.7.1 Site Class	C
	2.7.2 Seismic Design Category	B
	2.7.3 SDS 0.189g SD1 0.115g	
2.8	IMPORTANCE FACTORS: WIND	1.0
	SNOW	1.0
	SEISMIC	1.0

FOUNDATIONS:

1. The structural engineer has not reviewed a geotechnical report for the area and has based the foundation on the prescribed soil bearing capacity of 2000 psf.
2. The bottom of all footings shall extend below the frost line for the region in which the structure is to be constructed. However, the bottom of all footings shall be 12" below grade.
3. Any fill shall be placed under the direction or recommendation of a licensed professional engineer. The resulting soil shall be compacted to a minimum of 95 percent maximum dry density.
4. Excavation for footings shall be lined temporarily with a 6 mil polyethylene membrane if placement of concrete does not occur within 24 hours of excavation.
5. No concrete shall be poured against any subgrade containing water, ice, frost, or loose material.

CONCRETE:

1. Concrete shall have normal weight aggregate and a minimum compressive strength (f'c) at 28 days as listed below:
   1.1 Footings 3,000 psi
   1.2 Slabs-on-grade 3,000 psi
   1.3 Elevated slab 3,000 psi
2. Concrete shall be proportioned, mixed, and placed in accordance with ACI 318 latest edition "Building Code Requirements for Reinforced Concrete" and ACI 301 latest edition "Specifications for Structural Concrete for Buildings."
3. Entrained air must be used in all concrete that will be exposed to freezing and thawing and deicing chemicals. Amount of air entrainment (percent) shall be in accordance with the following schedule with a range of -1 to +2 percentage points of the target values:
   3.1 Footings 0%
   3.2 Interior Slabs 0% (see note below)
   3.3 Exterior Slabs 5% +/- 1%
   Note: It is recommended that interior slabs to be given a smooth, dense, hand-troweled finish do not contain entrained air since blistering or delamination may occur. If slab will be exposed to deicing or other aggressive chemicals, contact FORTE DESIGN SOLUTIONS, PLLC for proper air entrainment requirements.
4. No admixtures shall be added to any structural concrete without written permission of the SER.

TIMBER FRAMING:

1. Solid sawn wood framing shall conform to the specifications as listed in the National Forest Products Association "National Design Specification for Wood Construction" latest edition (NDS). The framing shall be of the species and grade as listed below:
   1.1 Joists, rafters, and beams: Spruce Pine Fir #2
   1.2 Studs: Spruce Pine Fir #2
2. LVL or PSL shall have the following minimum design stresses:
   2.1 E = 2,000,000 psi
   2.2 Fb = 2900 psi, 2750 psi for PSL
   2.3 Fv = 285 psi
   2.4 Fc = 750 psi
3. Lumber in contact with concrete, masonry, or earth shall be pressure treated in accordance with AWPA standard C-15. All other exposed timber shall be treated in accordance with AWPA Standard C-2.
4. Nails shall be common wire nails unless otherwise noted.
5. Lag screws shall conform to ANSI/ASME Standard B18.2.1-1981. Lead holes for lag screws shall be in accordance with NDS specifications.
6. All beams bearing on timber framing shall have full bearing for the width of the beam and supported by a minimum of three studs. Where beams bear onto a wall parallel to the beam, the beam shall have a minimum bearing length of 4-1/2".
7. Stud walls shall consist of 2x4 studs @16"o/c unless noted otherwise. Studs shall be continuous from the sole plate to the double top plate at the ceiling or roof. Studs shall only be discontinuous at beams/headers for window or door openings. Header shall have a minimum of one king stud at each end of the header. King studs shall be continuous with the same requirement as stud walls.
8. Individual studs forming a column shall be attached together with one 10d CC nail @6"o/c staggered. The stud column shall be continuous to the foundation or beam. The column shall be properly blocked at all floor levels to ensure proper load transfer.
9. Beams containing multiple plies of lumber shall have each ply attached to its adjacent ply with 3-12d CC nails @12"o/c.
10. Beams containing more than 3 plies of lumber shall have all plies attached together with (2) rows-1/2"Ø through bolts @16"o/c. Minimum edge distance for bolts is 2-1/2".

AGENCIES AS APPLICABLE WITHIN:

ACI	American Concrete Institute
ASCE	American Society of Civil Engineers
AISC	American Institute of Steel Construction
AWS	American Welding Society
AISI	American Iron and Steel Institue
ASTM	American Society of for Testing and Materials
APA	American Plywood Association
BIA	The Brick Industry Association
NCMA	National Concrete and Masonry Association
NDS	National Design Specifications for Wood Construction

COMMON ABBREVIATIONS:

AB - ANCHOR BOLT
ABV - ABOVE
AFF - ABOVE FINISHED FLOOR
ASY - ASSEMBLIES
BLO - BELOW
BM - BEAM
C.J. - CONTROL JOINT
CLR - CLEAR
COL - COLUMN
CONT CONTINUOUS
DBL - DOUBLE (2x)
EA - EACH
EE - EACH END
EOS - EDGE OF SLAB
EW - EACH WAY
HDG - HOT-DIPPED GALVANIZED
H/R - HIP RAFTER
INBC -"IF NOT BEARING ON CONCRETE WALL"
NTS - NOT TO SCALE
O/C - ON-CENTER
PCF - POUNDS PER CUBIC FOOT
PCI - POUNDS PER CUBIC INCH
PSF - POUNDS PER SQUARE FOOT
PSI - POUNDS PER SQUARE INCH
PT - PRESSURE-TREATED TIMBER
SER - STRUCTURAL ENGINEER OF RECORD
SPF - SPRUCE PINE FIR
SST - SIMPSON STRONG TIE
STD - STANDARD
TOF - TOP OF FOOTING
TOS - TOP OF SLAB OR STEEL
TYP - TYPICAL
UNO - UNLESS NOTED OTHERWISE
WWF- WELDED WIRE FABRIC

SHEET INDEX

NUMBER	DESCRIPTION
S0.1	GENERAL NOTES AND FOUNDATION PLAN
S1.0	FRAMING AND FOUNDATION PLAN
S2.0	ROOF FRAMING AND CONSTRUCTION DETAILS

FIRM SEAL

NORTH CAROLINA
Forte Design Solutions PLLC
#P-2332
CERTIFICATE OF LICENSURE

ENGINEER'S SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
049388
ENGINEER
CHARLES D. MURPHY

7.14.26

J14MMXXVI1338

FORTE DESIGN SOLUTIONS - PLLC
7773 Ivey Meadow Lane
Stanley, North Carolina 28164
(980) 406-4853
NC FIRM P-2332

PROJECT #: 24-0035
DATE: July 14, 2026
DESIGN BY: CDM
DRAWN BY: CDM

PROJECT:
MILIAN ADU
5244 Lewhaven Drive
Charlotte, North Carolina 28208

CLIENT:
David Milian
5244 Lewhaven Drive
Charlotte, North Carolina 28208

REVISION #	DATE	DESCRIPTION

SHEET TITLE:
GENERAL NOTES & FOUNDATION PLAN

SHEET:
S-0.1

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 059104 12
COUNTY: Mecklenburg

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: David Millian DATE EVALUATED: 8/26/26
ADDRESS: 5244 Lewhaven Dr.
PROPOSED FACILITY: 1 Bedroom (ADV) PROPOSED DESIGN FLOW (.0400): 120 PROPERTY SIZE: 0.472
LOCATION OF SITE: PROPERTY RECORDED: pre 1980
WATER SUPPLY: ☒ Public ☐ Single Family Well ☐ Shared Well ☐ Spring ☐ Other ___ WATER SUPPLY SETBACK: 10
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☐ Domestic ☐ High Strength ☐ IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRECTION
1	L 2%	0-48"+	C, Wblk	fi, S, P, Sexp	—	≥40" +	—	—	IV 0.3	36"
2	L 2%	0-40"	G, Wblk	fi, S, P, Sexp	—	≥40"+	—	—	IV 0.3	36"
		40-48"+	Cl, Wblk	fr, SS, SP, Sexp						
3	L 2%	0-48"+	C, Wblk	fi, S, P, Sexp	10YR 7/2 44"	—	—	—	Mottles Chroma 4 ≈35" IV 0.275	Repair Area ≈30"
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	S	S ADV Repair
System Type(s)	III e	III b
Site LTAR	0.3	0.275
Maximum Trench Depth	36"	30"

SITE CLASSIFICATION (.0509): S
EVALUATED BY: Braedon Shelton
OTHER(S) PRESENT: ___

Comments: 1 Bedroom ADV System 2-40' Lines HPPBPS, Existing horse System is Repair exempt
Water Line will need to be relocated. keep 10' of System.

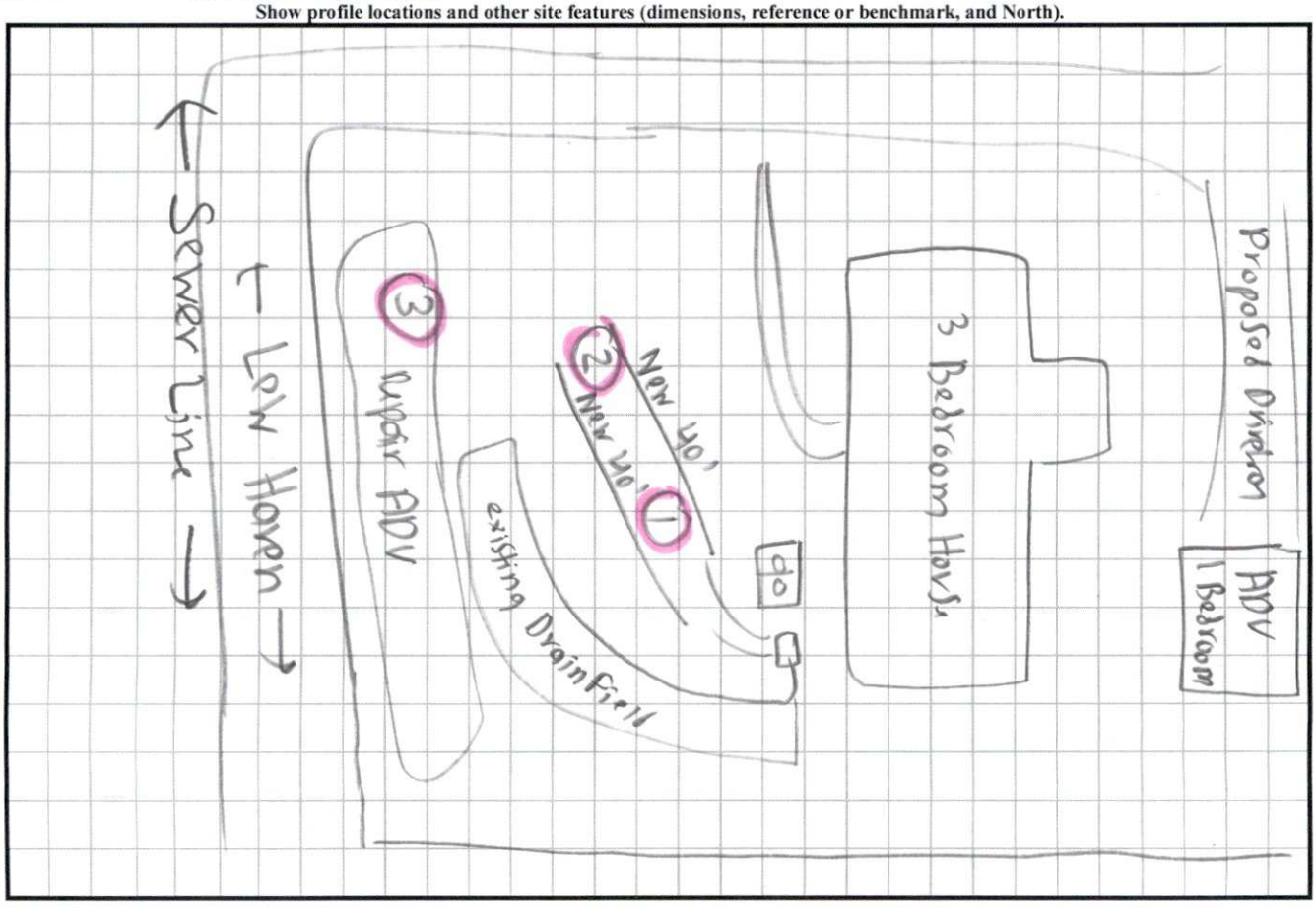
LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

HORIZON DEPTH In inches below natural soil surface
DEPTH OF FILL In inches from land surface
RESTRICTIVE HORIZON Thickness and depth from land surface
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION S (Suitable) or U (Unsuitable)

Show profile locations and other site features (dimensions, reference or benchmark, and North).

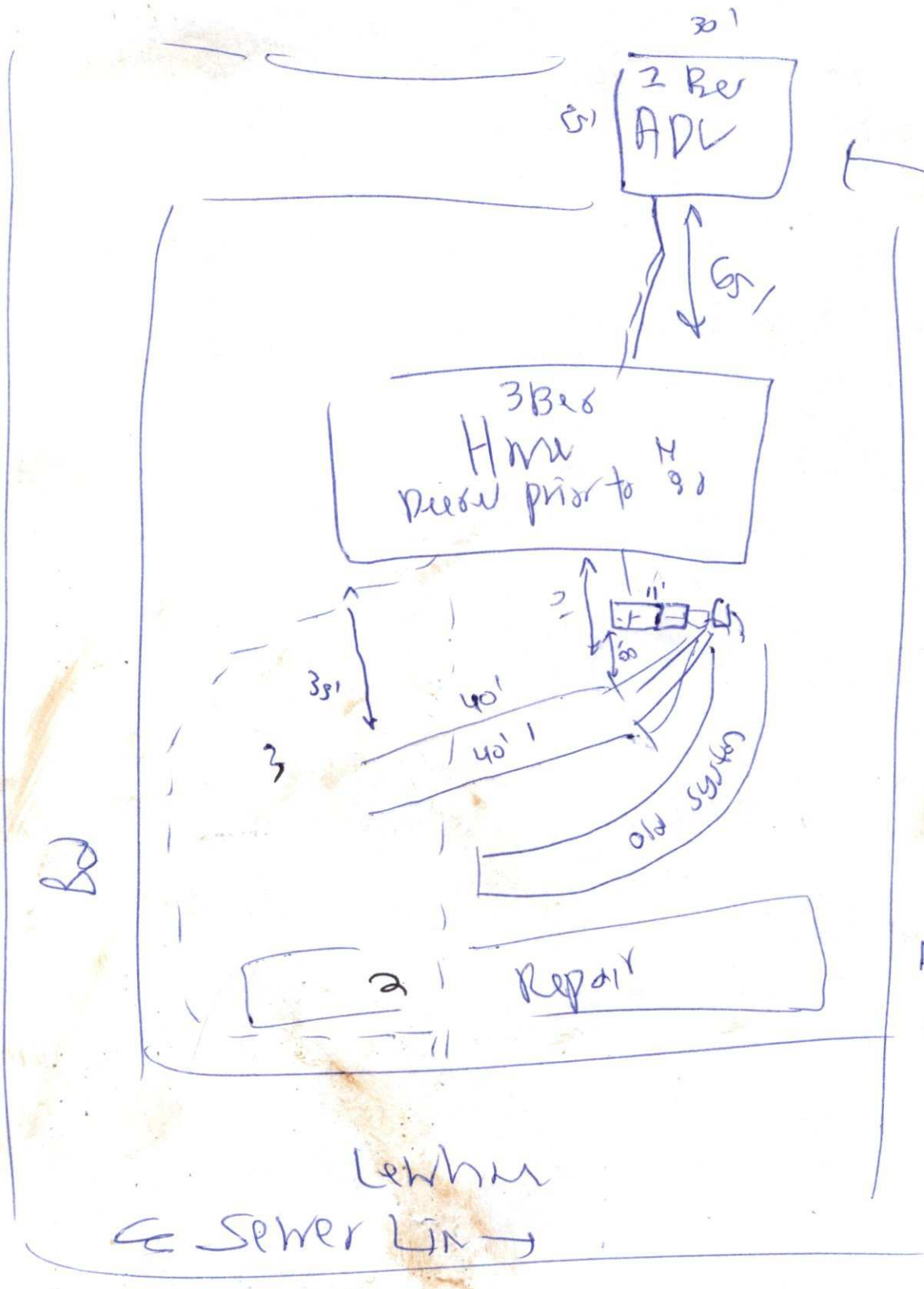


Polaris Map – Mecklenburg County, North Carolina

Date Printed: 8/26/2026 10:29 AM



This map or report is prepared for the inventory of real property within Mecklenburg County and is compiled from recorded deeds, plats, tax maps, surveys, planimetric maps, and other public records and data. Users of this map or report are hereby notified that the aforementioned public primary information sources should be consulted for verification. Mecklenburg County and its mapping contractors assume no legal responsibility for the information contained herein.



3' 8'
PPBPS (H)

- Move water line
- Check condition of S.T
- New D-Box

MECKLENBURG COUNTY
North Carolina
Public Health

Mecklenburg County Public Health

Kimberly Scott, DrPH, MPH
Health Director

File Number: 7517A
Permit Number: SP26-015
Expiration Date: 8/28/2031

IMPROVEMENT PERMIT

Parcel Number: 05910412

Owner: DAVID MILLIAN Applicant: DAVID MILIAN

Property Location: 5244 LEWHAVEN DR , CHARLOTTE, NC 28208

Subdivision (If applicatble): Lot #: Block: Section:

New ☐ Alteration ☑ Modified Plot Plan ☐ Repair ☐

Faciltiy Type: residence 1 Bedroom ADU

Number of bedrooms: 1 Number of occupants: 2 Other:

Design Wastewater Strength: ☐ Domestic Sewage ☐ High Strength ☐ Industrial Wastewater

Proposed Design Daily Flow: 120 GPD Proposed LTAR (Initial) 0.3 Proposed LTAR (Repair) .275

Proposed Wastewater System Type*: PPBPS-H (gravity) (Initial) Pump Required: ☐ Yes ☐ No ☒ May be required

Proposed Wastewater System Type*: PPBPS-H (pressurized) (Repair) Pump Required: ☒ Yes ☐ No ☐ May be required

**Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII*

Effluent Standard: ☑ DSE ☐ HSE ☐ NSF/ANSI 40 ☐ TS-I ☐ TS-II ☐ RCW

Saprolite System (Initial): ☐ Yes ☒ No Saprolite System (Repair): ☐ Yes ☒ No

Max. Trench Depth (Initial): 36 Max. Trench Depth (Repair): 30 **‡ Measured on the downhill side of the trench**

Artificial Drainage Required: ☐ Yes ☒ No

Type of Water Supply: ☐ Private Well ☐ Public Well ☐ Shared Well ☐ Municipal ☑ Other

Drainfield location meets requirements of Rule .0508: ☑ Yes

Permit Valid For: ☑ Five years [site plan submitted pursuant to GS 130A-334(13a)] ☐ No expiration [plat submitted pursuant to GS 130A-334(7a)]

See attached site sketch

The issuance of this permit in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. *This permit is subject to revocation if the site plan, plat, or the intended use changes.* The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of 15A NCAC 18E and to the conditions of this permit.

Permit Conditions:
Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.

WATER LINE WILL NEED TO BE RELOCATED TO STAY 10 FEET OFF SEPTIC SYSTEM

Authorized Agent's Printed Name: Braedon Shelton Expiration Date: 8/28/2031

Authorized Agent's Signature: Braedon Shelton Date: 08/31/2026

MECKLENBURG COUNTY
North Carolina
Public Health

Mecklenburg County Public Health

Kimberly Scott, DrPH, MPH
Health Director

File Number: 75174

Expiration Date: 08/31/2031

Permit Number: SP26-015

CONSTRUCTION AUTHORIZATION

Parcel Number: 05910412

Owner: DAVID MILLIAN Applicant: DAVID MILIAN

Property Location: 5244 LEWHAVEN DR , CHARLOTTE, NC 28208

Faciltiy Type: residence 1 Bedroom ADU

Number of bedrooms: 1 Number of occupants: 2 Other:

☐ New ☑ Alteration ☐ Modified Plot Plan ☐ Repair

Basement? ☐ Yes ☑ No Basement Fixtures? ☐ Yes ☐ No

Crawl Space? ☐ Yes ☑ No Slab Foundation? ☐ Yes ☑ No

Type of Wastewater System*: PPBPS-H (gravity) (Initial) PPBPS-H (pressurized) (Repair)

**Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII*

Design Daily Flow: 120 GPD Wastewater Strength: ☐ Domestic ☐ High Strength ☐ Industrial Process Wastewater

Rule .0403(e) Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies (S.L. 2013-413 and 2014-120)? ☐ Yes ☐ No (if yes, please provide engineering documentation)

Effluent Standard: ☑ DSE ☐ HSE ☐ NSF/ANSI 40 ☐ TS-I ☐ TS-II ☐ RCW

Type of Water Supply: ☐ Private Well ☐ Public Well ☐ Shared Well ☒ Municipal

Installation Requirements/Conditions:

Septic Tank SIze: existing 1000 gallons Total Trench/Bed Length: 80 feet Trench/Bed Spacing: 8 feet on center

Slope Corrected Maximum Trench/Bed Depth 36 inches **‡ Measured on the downhill side of the trench**

Pump Tank SIze (if applicable): N/A gallons

Grease Trap Size (if applicable): gallons

Distribution Method: ☐ Serial ☑ D-Box or Parallel ☑ Pressure Manifold(s) ☐ LLP

Artificial Drainage Required: ☐ Yes ☑ No if yes, please specify details:

Legal Agreements *(If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)*

Multi-party Agreement Required [Rule .0204(g)]: ☐ Yes ☑ No

Easement, Right-of-Way, or Encroachment Agreement Required [Rule .0204(d)]: ☐ Yes ☑ No

Declaration of Restrictive Covenants: ☐ Yes ☑ No Pre-Construction Conference Required: ☑ Yes ☐ No

Management Entity Required: ☐ Yes ☑ No Minimum O&M Requirements:

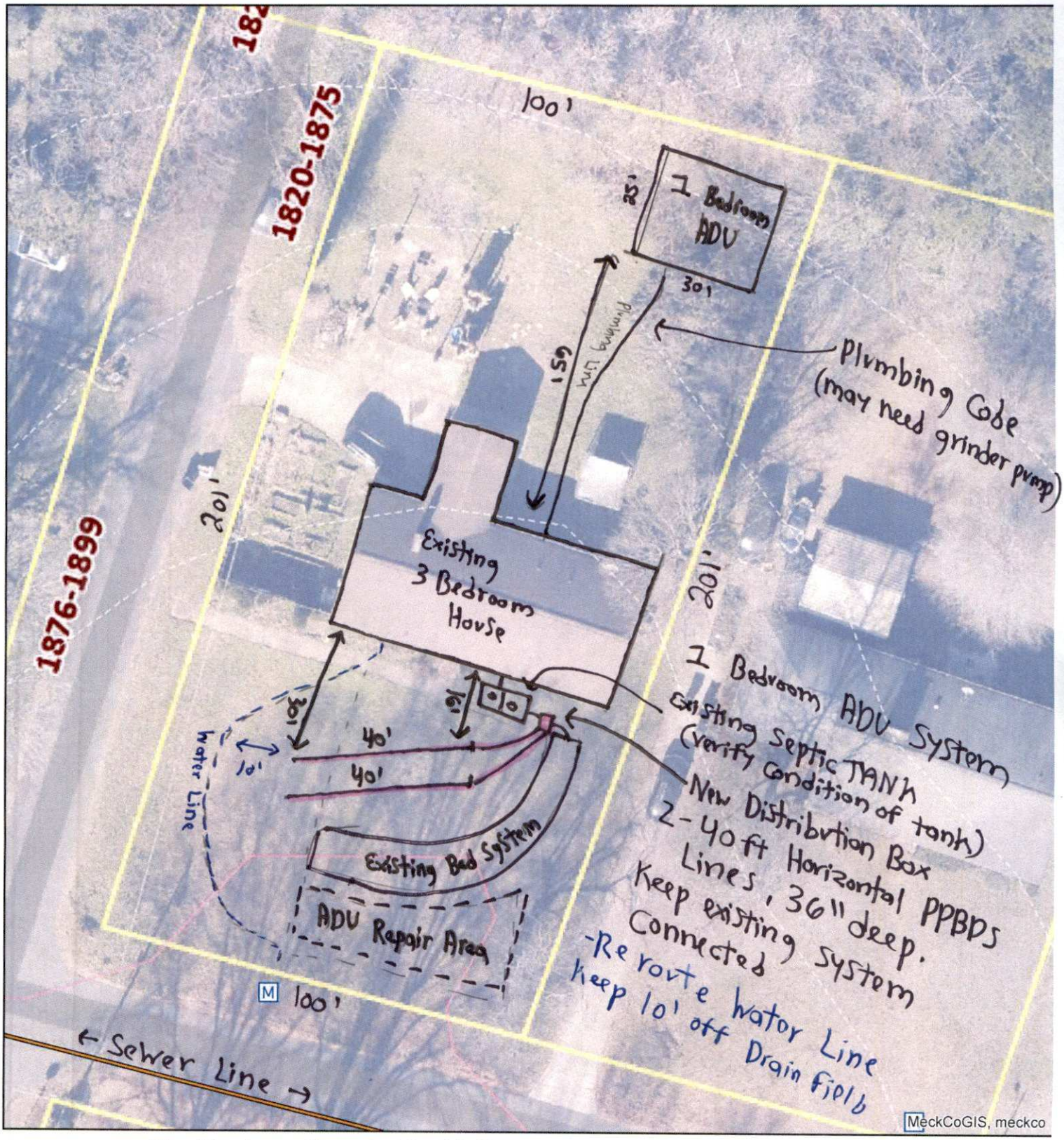
Conditions: Water line will need to be relocated. Keep 10 feet off the septic system.
Check the condition of the existing septic tank
New distribution box required.

The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable, and to the conditions of this permit.

Authorized Agent's Printed Name: Braedon Shelton Expiration Date: 08/31/2031

Authorized Agent's Signature: Braedon Shelton Date: 08/31/2026

On-site Wastewater Improvement Permit Diagram



Mecklenburg County Health Department
Environmental Health - Groundwater and Wastewater Services

Permit #: SP 26-015
PID #: 059-104-12
File #: 7517A

Authorized Agent: Brad Shuler Date: 8/28/26

Owner/ Legal Agent: _____ Date: _____

1 inch = 30 fee

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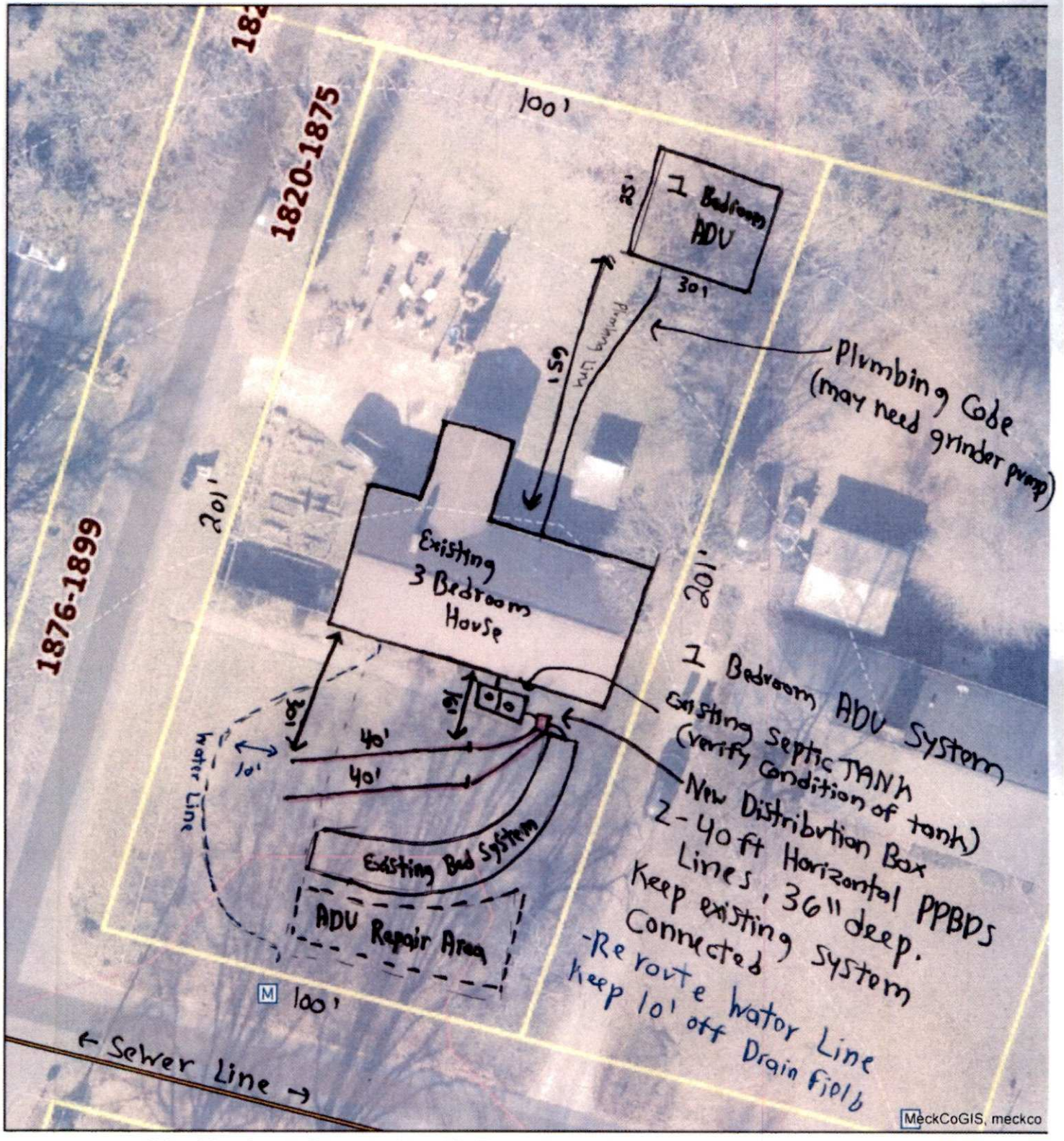
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On-site Wastewater Improvement Permit Diagram



Mecklenburg County Health Department
Environmental Health - Groundwater and Wastewater Services

Permit #: SP 26-015
PID #: 059-104-12
File #: 7517A

Authorized Agent: Brad Shuler Date: 8/28/26

Owner/ Legal Agent: David Miller Date: 9/1/26

1 inch = 30 fee

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	08/10/26	**Amount:**	300.00
Receipt #:	162858	**Tendered:**	300.00
Check / Auth #:	MC 5573	**Returned:**	0.00
Received By:	ALVARJS		

Account Information

Account #: 200000
Contractor: DAVID MILIAN
Attn: 5244 LEWHAVEN DR
Address:
Address:
City/State/Zip: ,

Item	Description	Quantity	Unit Price	Total Price
0706	Septic Alteration Permit 5244 LEWHAVEN DR			

Permit#

→ Send permit for signatures

→ Release Building Permit Hold
- Place hold for Occupancy

LOT APPROVED 9/11/26

SALE
Mecklenburg Co Permit
2145 Suttle Avenue
4th Floor
Charlotte, NC 28208
980-314-2971

08/10/26	21:52:18
Merchant ID	404164
Terminal	451-778-580
Sequence #	000004
Auth Number	478532

AMOUNT:	$ 300.00
CONVENIENCE FEE:	$ 7.50
TOTAL:	$ 307.50

CARD ENTRY MODE MANUAL
MasterCard ··· 5573

X
SIGNATURE

I agree to pay above total amount in accordance with card issuer's agreement (merchant agreement if credit voucher). Retain this copy for statement verification

Thank you!

MERCHANT COPY

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance