Board of Zoning Adjustin
District of Columbia
CASE NO.20659

Betty Matthews 604 Gallatin st N.M. Washington D.C. 20011

BUILDING THREE LEVEL 987 SQ. FT ADDITION WITH NEW FOUNDATION AND FLAT ROOF SYSTEM.

UPGRADED PLUMBLING AND ELECTRICAL TO ACCOMENDATE (2) NEW FULL BATHROOMS, (1) NEW 300SQ FT BEDROOM AND 300SQ FT KITCHEN.

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D001	Details				
A001	Existing basement				
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A 1 O 1	NEW BASEMENT				
A101	FOUNDATION				
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A103	New 2nd floor				
EL101	New elevation				
E001	Electrical				
M001	HVAC				

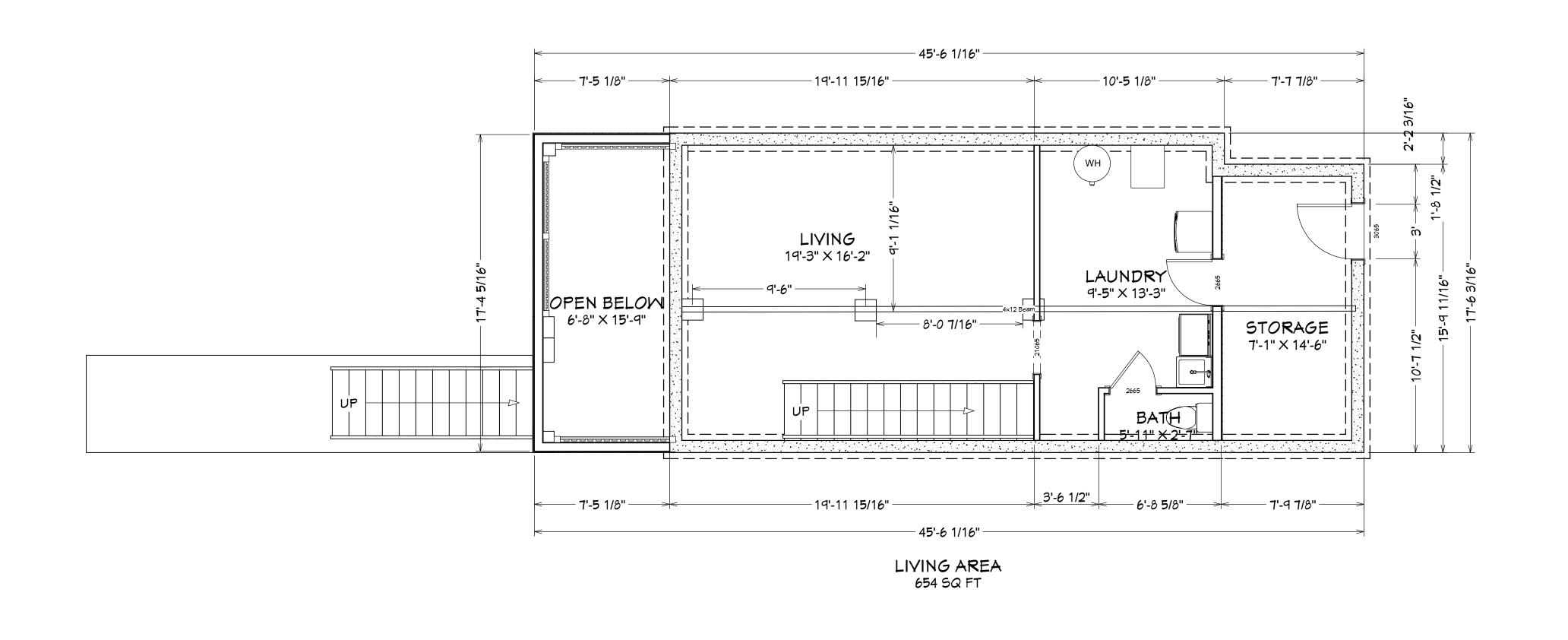
THIS STRUCTURE HAS BEEN DESIGN IN ACCORDANCE WITH THE PROVISION OF THE INTERNATIONAL RESIDENTIAL CODE 2012 EDITION.

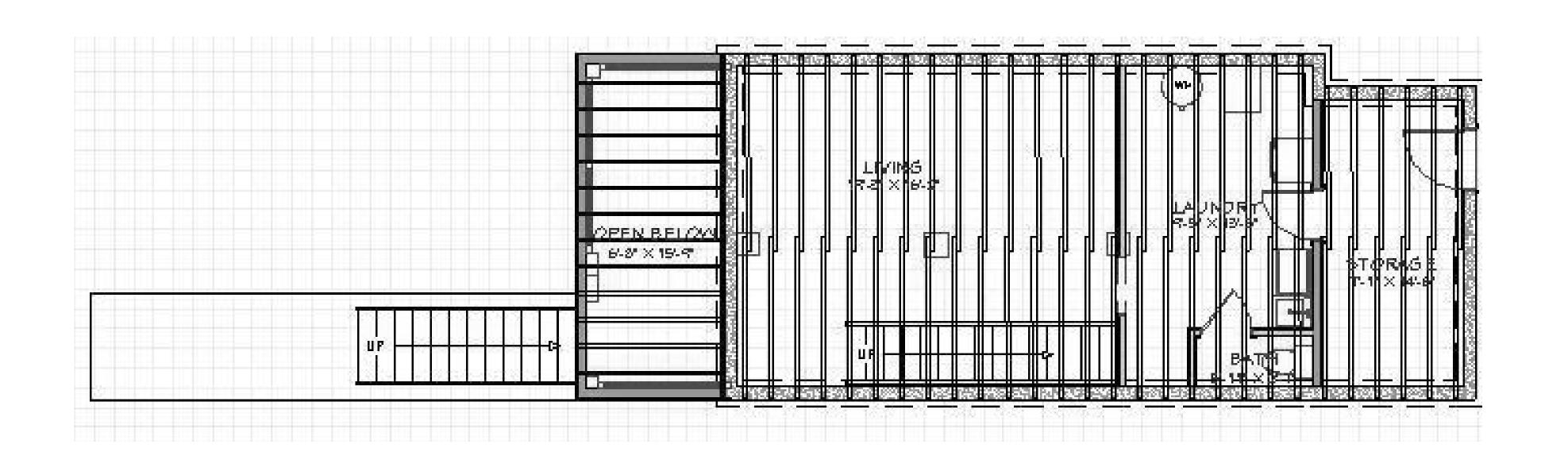
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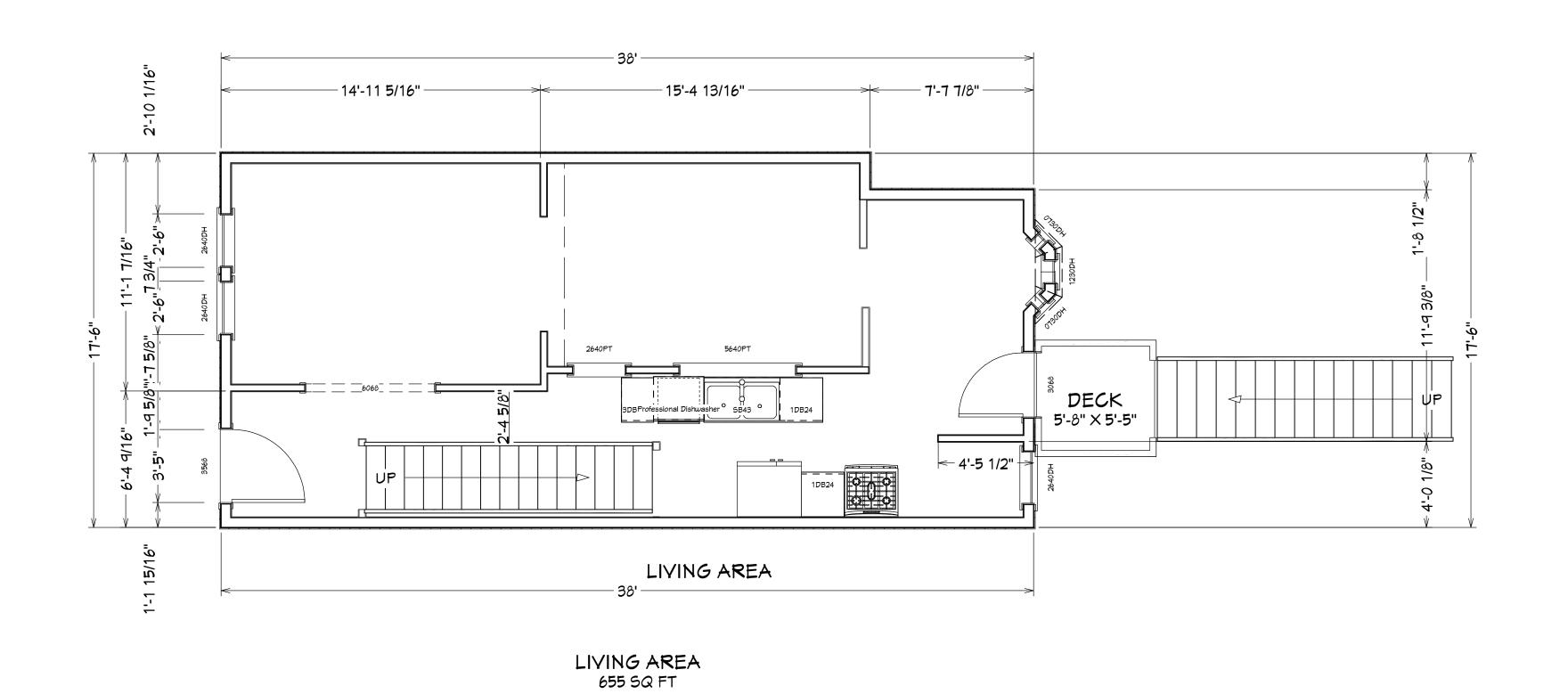
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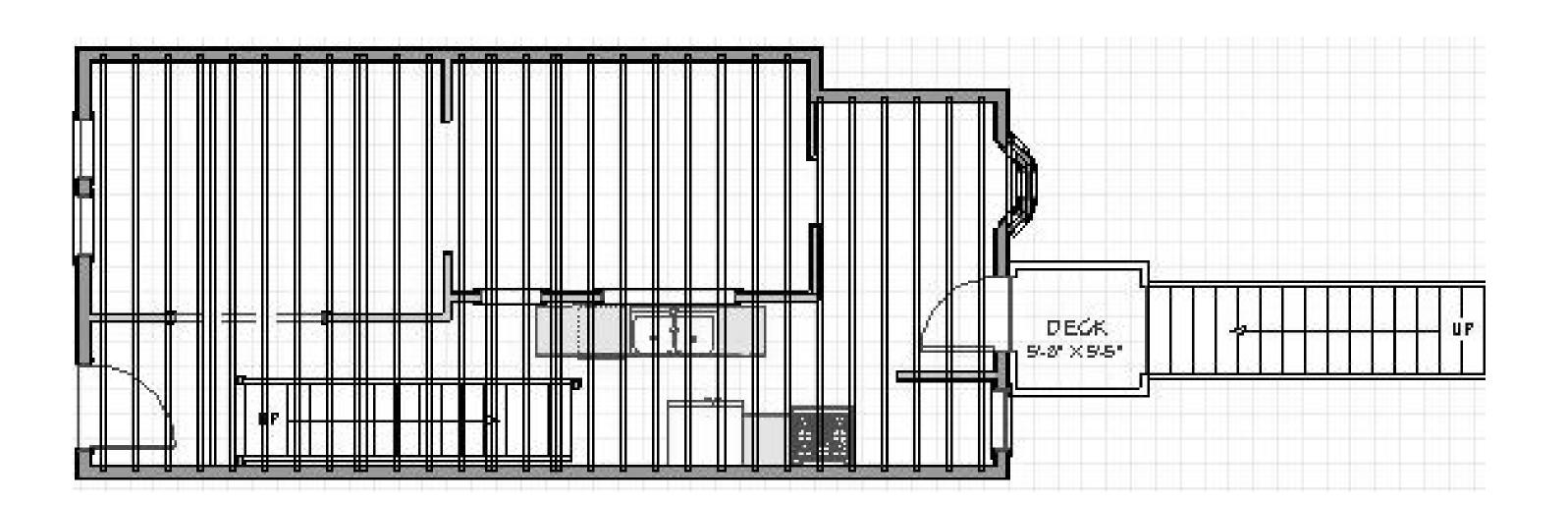
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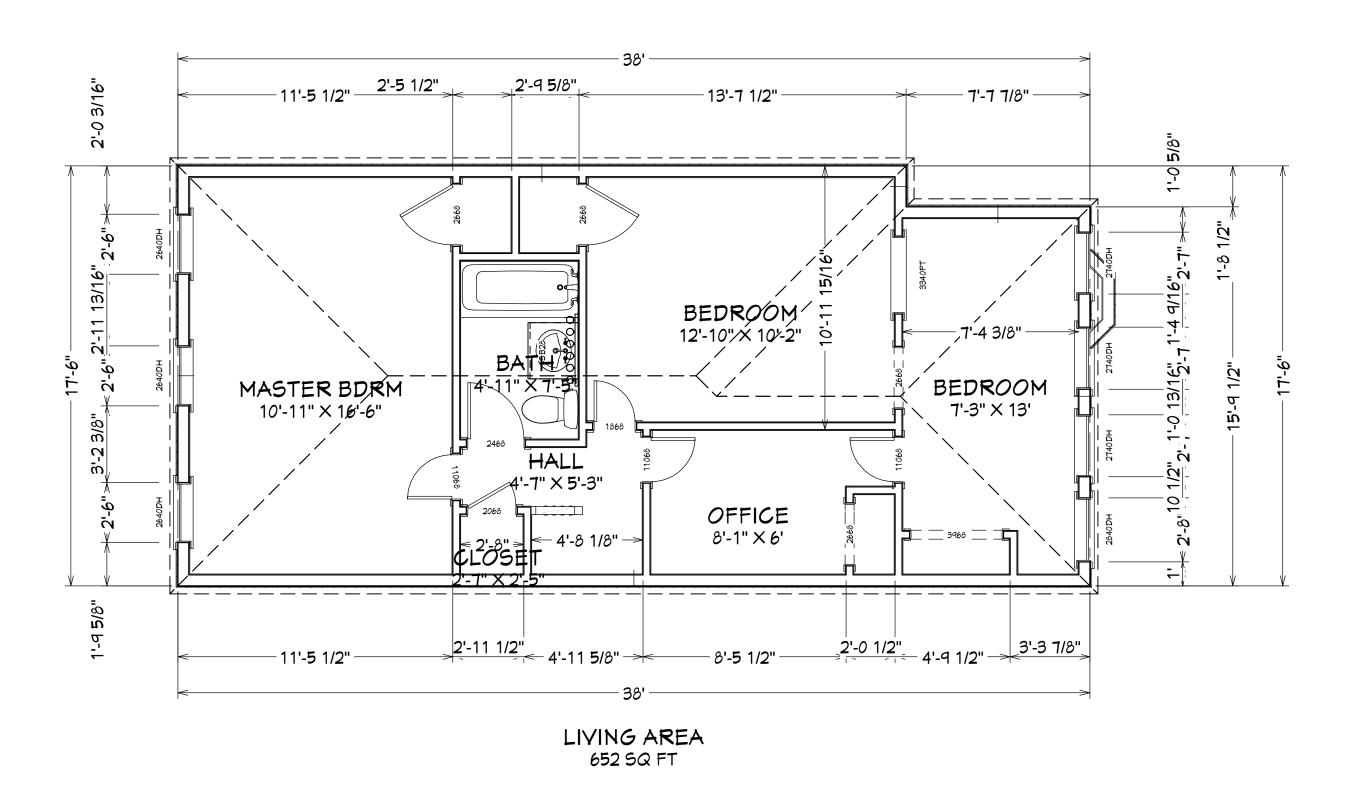


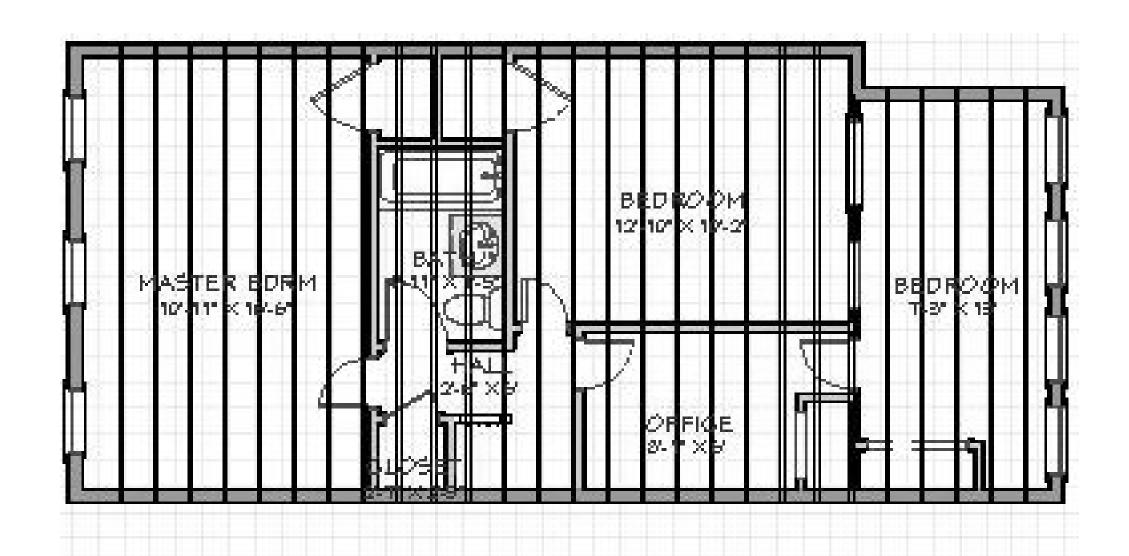


SHEET:









NUMBER DATE REVISED BY DESCRIPTION

Existing 2nd floor

DRAWINGS PROVIDED BY:

Betty Matthews

604 Gallatin st NW

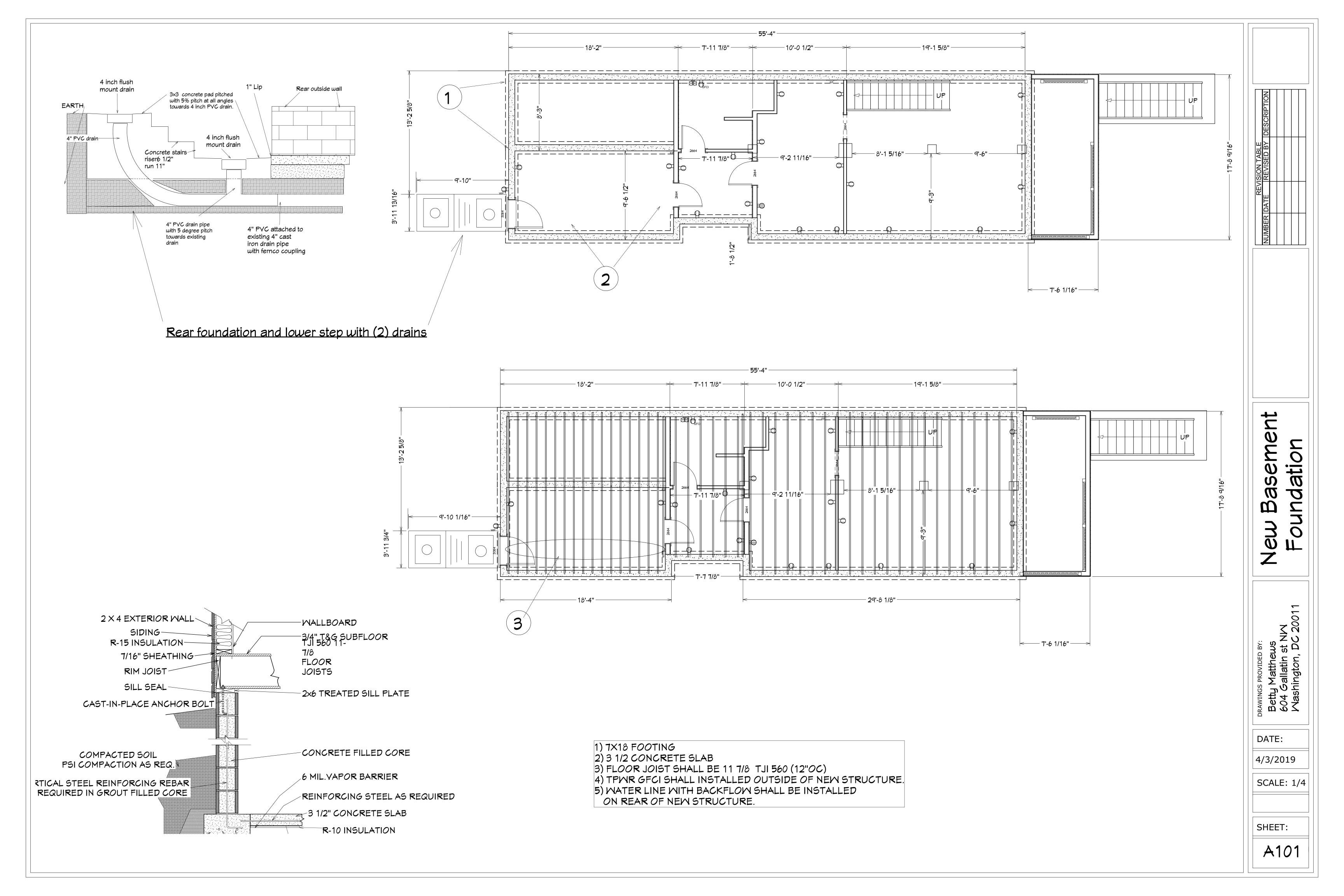
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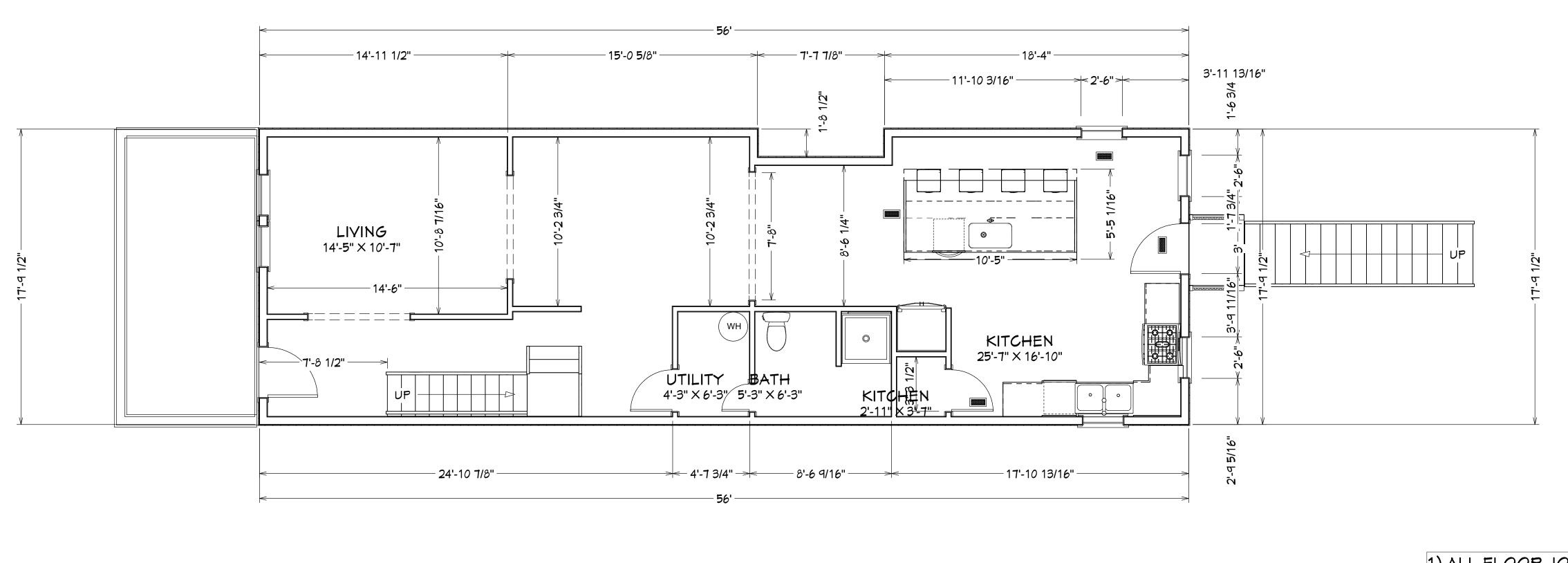
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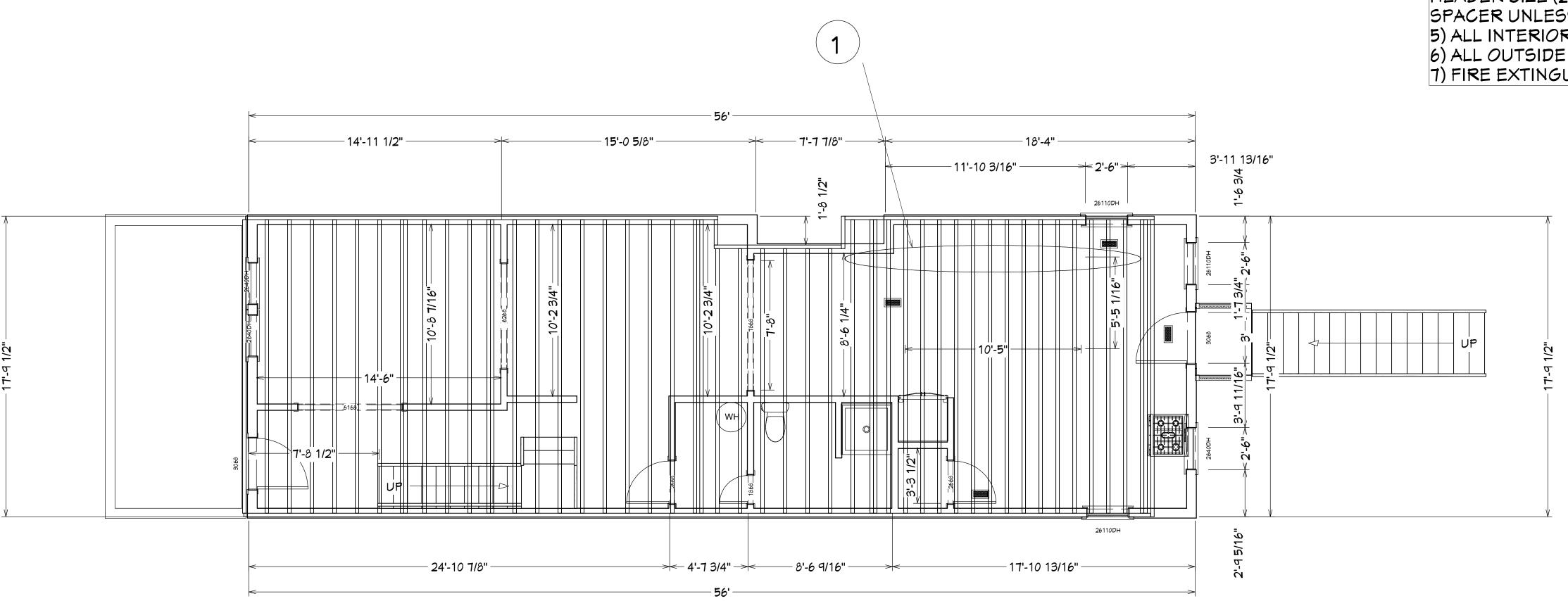
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- 1) ALL FLOOR JOIST SHALL BE 560- TJI X 11 7/8 (12 O.C.)
- 2) ALL 2X4 WALLS SHALL BE (16" O.C.)
- 3) 36" REAR EXTERIOR DOOR
- 4) TYPICAL WINDOW 30X48" (R.O. 30 1/2 X 48 1/2) HEADER SIZE (2) 2"X6"X33 1/2" WITH 7/16" OSB
- SPACER UNLESS OTHERWISE STATED (N.J-1)
- 5) ALL INTERIOR DOORS SHALL BE (24" 34")
- 6) ALL OUTSIDE WALLS SHALL HAVE R-15 INSULATION.
- 7) FIRE EXTINGUISHER UNDER KITCHEN SINK.

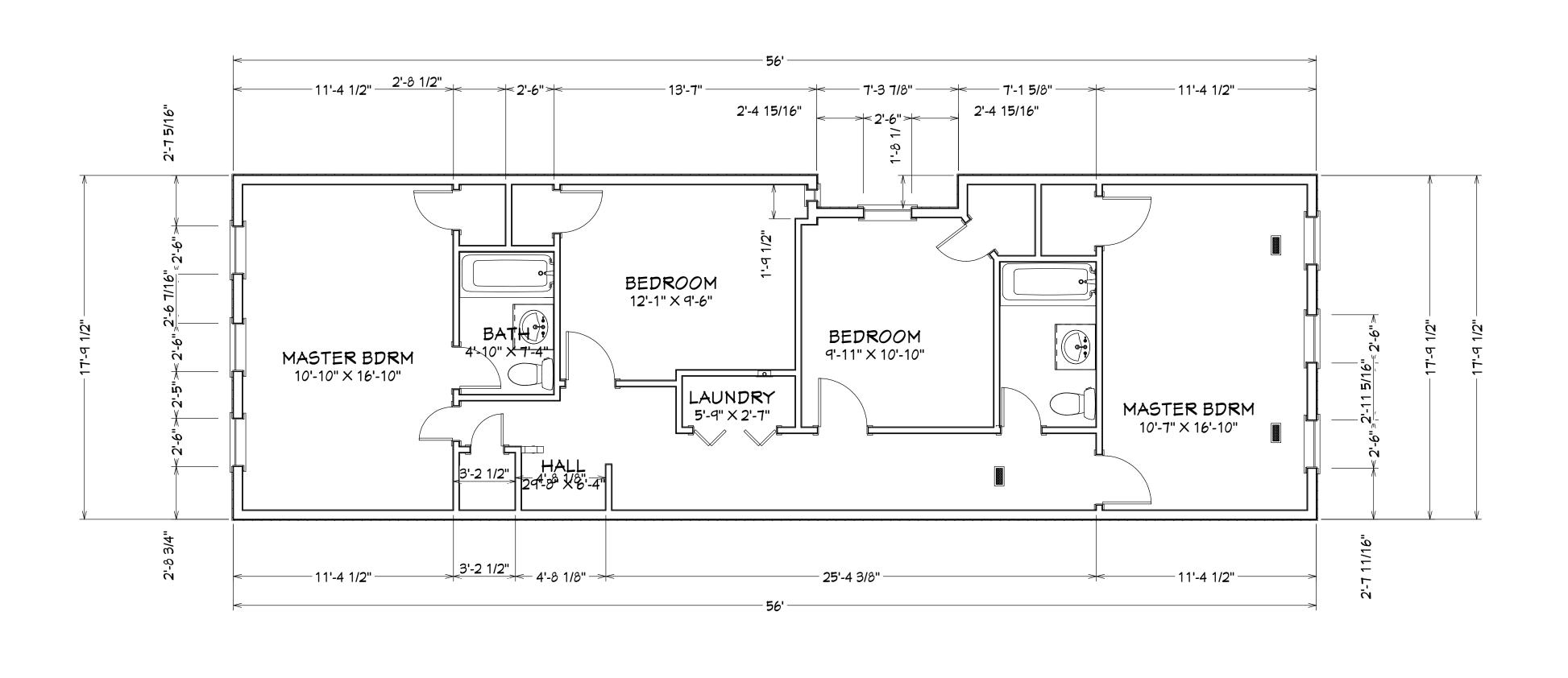


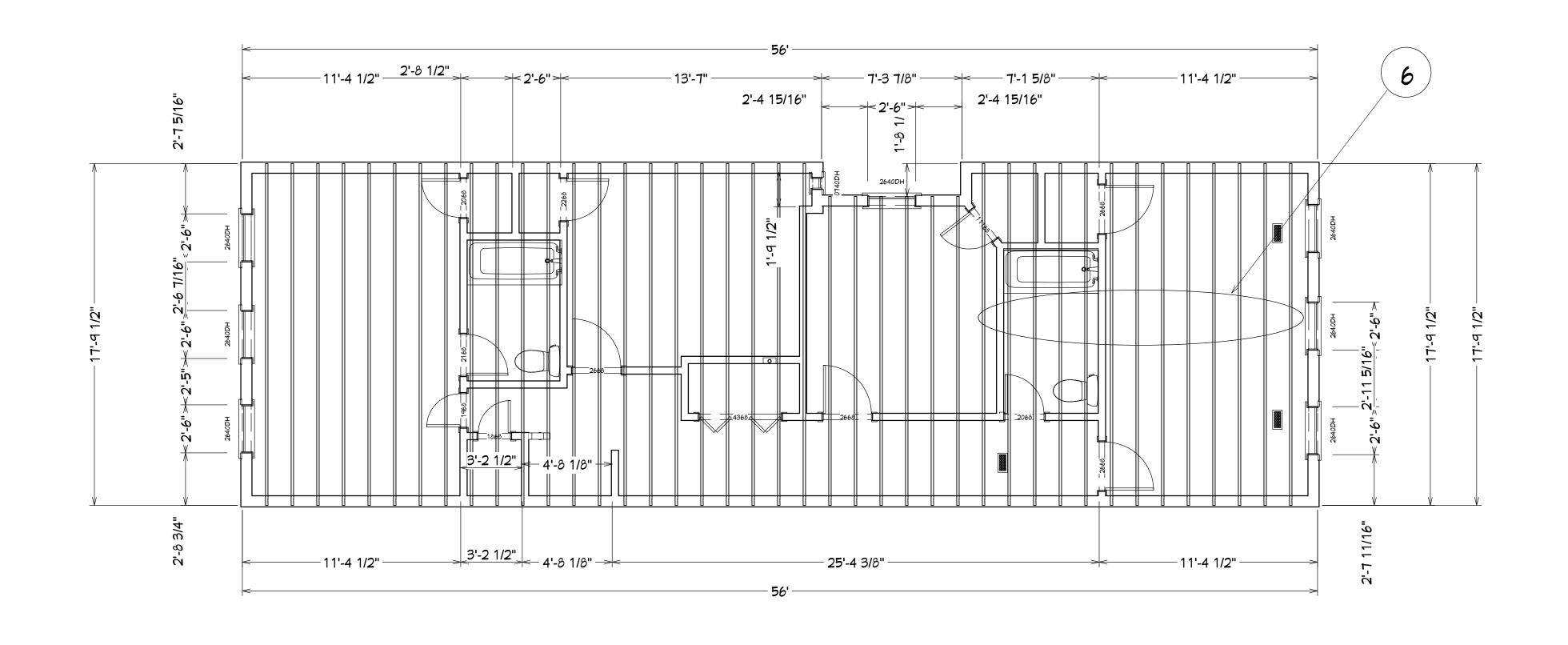
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- 5. ALL INTERIOR DOORS SHALL BE (24" 34")
- 6. ALL NEW ROOF RAFTER/ CEILING JOINT SHALL BE TJI 230 11 1/4" (12 0.C.)

GENERAL NOTES AND SPECIFICATIONS

- 1. The architectural drawings shall be used in conjunction with any structural, civil, mechanical, plumbing and electrical drawing and specification that may apply.
- 2. This structure has been design in accordance with the provision of the international residential code 2012
- 3. The contractor shall provide temporary shoring and bracing required to erect and hold the structure in proper alignment until permanent support and lateral bracing are
- 4. Loads used in the DESIGN OF THIS STRUCTURE ARE
- AS FOLLOWED. A. LIVE LOADS 40PSF BEDROOMS ROOF 20PSF
- B. WIND LOADS WIND SPEED 100MPH

EXPOSURE

5. A PERMANENT ENERGY CODE CERTIFICATE SHALL PANEL.THE CERTIFICATE SHALL BE COMPLETED BY THE BUILDER.

6. FIREBLOCKING SHALL BE PROVIDED TO CUT-OFF ALL CONCEALED DRAFT OPENING(VERTICAL AND HORIZONTAL) AND FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES, AND THE ROOF SPACE.

7.INSULATE ALL ACCESS DOORS/ HATCHES TO CRAWL SPACES AND ATTICS TO THE EQUIVALENT RATING OF THE WALL, FLOOR OR CEILING THROUGH WHICH THEY PENETRATE. UNO ON PLANS. ATTIC R-38

WALLS R-15

8. ATTIC ACCESS SHALL BE SEALED WITH A GASKET AND AN R-38 INSULATION.

8. THIS STRUCTURE SHALL BE ADEQUATELY BRACED FOR WIND LOADS UNTIL THE ROOF, FLOOR AND WALLS HAVE BEEN PERMANENTLY FRAMED TOGETHER AND SHEATHED.

9. INSTALL POLYISOCYANURATE FOAM TYPE INSULATION AT FLOOR AND PLATE LINES, OPENINGS IN PLATES, CORNER STUD CAVITIES AND AROUND DOOR AND WINDOW ROUGH OPENING CAVITIES.

10. INSTALL WATERPROOF GYPSUM BOARD AT ALL WATER SPLASH AREAS TO MINIMUM 70" ABOVE SHOWER DRAINS.

11. EXHAUST ALL VENTS AND FANS DIRECTLY TO OUTSIDE VIA METAL DUCTS, PROVIDE 90 CFM (MIN) FANS TO PROVIDE 5 AIR CHANGES PER HOUR IN BATHS CONTAINING TUB AND / OR SHOWER AND IN LAUNDRY ROOMS.

12. ALL RECESSED LIGHTS IN INSULATED CEILINGS TO HAVE THE I.C. LABEL.

13. PROVIDE SOLID BLOCKING UNDER ALL BEARING WALLS PERPENDICULAR TO JOISTS AND OTHER BEARING POINTS NOT OTHERWISE PROVIDED WITH SUPPORT

14. PROVIDE CRAWLSPACE VENTING TO MEET THE REQUIREMENTS OF THE 2006 EDITION OF THE I.R.C.

15. EACH BEDROOM TO HAVE A MINIMUM WINDOW OPENING OF 5.7 SQ. FT. WITH A MINIMUM WIDTH OF 20 IN. AND A SILL LESS THAN 44" ABOVE FIN. FLR.

16. PROVIDE ONE SMOKE DETECTOR IN EACH ROOM AND ONE IN EACH CORRIDOR ACCESSING BEDROOMS. CONNECT SMOKE DETECTORS TO HOUSE POWER AND INTER-CONNECT SMOKE DETECTORS TO HOUSE POWER AND INTERCONNECT SO THAT, WHEN ANY ONE IS TRIPPED, THEY ALL WILL SOUND. PROVIDE BATTERY BACKUP FOR ALL UNITS.

17. ELECTRICAL RECEPTACLES IN BATHROOMS, KITCHENS AND GARAGES SHALL BE G.F.I. OR G.F.I.C. PER NATIONAL ELECTRICAL CODE REQUIREMENTS.

18. ATTIC SHALL HAVE VENTILATION EQUAL TO 1 SQ. FOOT PER 150 SQ. FEET OF ATTIC SPACE. VENTILATION SHALL BE PROTECTED FROM SNOW AND RAIN AND SHALL BE COVERED WITH GALVANIZED WIRE SCREEN. OPENINGS SHALL BE LOCATED TO PROVIDE CROSS VENTILATION.

LUMBER SPECIES:

- 1. POSTS, BEAMS, HEADERS, JOISTS, AND RAFTERS TO BE DF-#2.
- 2. EXPOSED ARCH BEAMS TO BE DF-#1 OR 3. SILLS, PLATES BLOCKING, AND BRIDGING TO
- BE DF-#2.
- 4. SILLS, PLATES ON CONCRETE SHALL BE
- DF#2 TREATED. 5. ALL STUDS TO BE DF#2 OR BETTER. 6. PLYWOOD SHEATHING SHALL BE AS
- FOLLOWS: 7. ROOF SHEATHING SHALL BE 5/8" PLYWOOD
- OR 9/32 OSB. 8. WALL SHEATHING SHALL BE 1/2" INT-APA RATED 32/16 OR 7/16" OSB
- 9. FLOOR SHEATHING SHALL BE 3/4" T & G INT-APA RATED OSB.

WALL PANEL NOTES:

BRACED WALL PANEL 3'-4" MIN. LENGTH w/ 7/16" OSB OR 1/2" PLYWOOD AND 8d

COMMONS 6" o/c AT ALL PANEL EDGES, 12" o/c FIELD.

2. I.B.P. INTERIOR BRACED WALL PANEL

1/2" GYP. BD PER R 602.10.3(5); 1/2 GWB EACH SIDE w/ #6 X 1 1/4 TYPE S OR W SCREWS PERS ASTM C1002 @ 7" o/c @ ALL SUPPORTS

3. A.B.P. ALTERNATE BRACED WALL PANEL 2'-8" MIN. WIDTH w/ 7/16" OSB OR 1/2" PLYWOOD AND 8d COMMONS 6" o/c AT ALL PANEL EDGES, 12" o/c FIELD & (2)

A.B. PER PANEL LOCATED AT 1/4 POINTS & 1800# MIN.

HOLDDOWN EACH END *HPAHD22 OR STD10)

RAILING NOTES:

STAIRWAYS SHALL HAVE A MIN. WIDTH OF 34". HAND RAILS MAY ENCROACH A MAX. OF 3 1/2" INTO THE REQUIRED WIDTH.

TREADS SHALL HAVE A MIN. WIDTH OF 9". STAIR TREADS MUST BE UNIFORM AND CAN NOT VARY FROM THE LARGEST TO THE SMALLEST BY MORE THAN 3/8".

STAIRWAYS SHALL HAVE MIN. 6'-8" OF HEADROOM AT THE NOSE OF THE STAIR.

ENCLOSED USABLE SPACE UNDER INTERIOR STAIRS SHALL BE PROTECTED ON THE ENCLOSED FACE WITH 5/8" TYPE "X" GYPSUM WALL BOARD.

STAIRWAYS SHALL HAVE AT LEAST ONE HANDRAIL LOCATED 34" TO 38" ABOVE THE NOSING OF TREADS AND LANDINGS. THE HAND GRIP PORTION OF HANDRAILS SHALL NOT BE LESS THAN 1-1/2" OR GREATER THAN 2" IN CROSS-SECTIONAL DIMENSION.

HANDRAILS SHALL BE CONTINUOUS THE FULL LENGTH OF THE STAIRS. THE ENDS OF HANDRAILS SHALL RETURN TO BE POSTED ON OR IN THE ELECTRICAL DISTRIBUTION WALL OR TERMINATE INTO A NEWEL POST OR SAFETY

STAIRWAYS HAVING LESS THAN 2 RISERS DO NOT REQUIRE A

34" MIN. HEIGHT GUARDRAILS SHALL BE PROVIDED FOR AT PORCHES, DECKS, BALCONIES, STAIRWAYS AND LANDINGS WHERE THE ADJACENT SURFACE IS GREATER THAN 24"

RAILING AND GUARDRAIL BALUSTER SPACING SHALL BE NO GREATER THAN 4".

THE TRIANGULAR OPENINGS FORMED BY THE RISER, TREAD, AND BOTTOM OF GUARDRAIL SHALL NOT ALLOW A 6" DIAMETER SPHERE TO PASS THROUGH.

EXTERIOR SPIRAL STAIRS TO BE FABRICATED AND INSTALLED PER THE MFG. INSTRUCTIONS.

FOUNDATION NOTES:

- 1) THE FOUNDATION FOR THIS STUCTURE HAVE BEEN DESIGNED WITH AN ASSUMED BEARING PRESSURE OF 3500 PSF. THE FOOTING SUBGRAGE SHALL BE URBAN LAND-SASSAFRAS-CHILLIUM ASSOCIATION: URBAN LAND AND DEEP, NEARLY LEVEL TO STEEP, WELL DRAINED SOILS THAT ARE UNDERLAIN BY SANNDY AND GRAVELLY SEDIMENT; ON UPLANDS
- 2) FOUNDATION BEARING SOILS SHALL BE EVAULATED BY A LICENCED GEOTECHNICAL ENGINEER TO CONFIRM THE DESIGN BEARING PRESSURE.

3) CONCRETE SHALL BE NORMAL WEIGHT AND ALL OBTAIN 28 DAY COMPRESSIVE STRENGHTS AS FOLLOWED.

A) SLAB ON GRADE B) ALL OTHER CONCRETE NOT OTHERWISE NOTED 3000 PSI

4) USE ASTM A-615 GRADE 60 DEFORMED REINFORCING BARS UNLESS NOTED OTHERWISE

5) CONCRETE EXPASION ANCHORS SHALL BE 'SIMPSON WEDGE-ALL STUD ANCHORS' OR ENGINEER APPROVED EQUAL. EPOXY TO BE SIMPSON "SET" ADHESIVE OR APPROVED EQUAL.

6) ALL REINFORCING STEEL AND EMBEDDING ITEMS SHALL BE ACCURATELY PLACED IN THE POSITIONS SHOWN AND ADEQUATELY TIED AND SUPPORTED BEFORE CONCRETE IS PLACED TO PREVENT DISPLACEMENT BEYOND PERMITTED TOLERANCES.

7) MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS INDICATED ON THE DRAWNING SHALL GOVERN WHEN IN CONFLICT WITH ACI 318-05.

8) INFILTRATION, ALL OPENINGS IN THE EXT. BLDG. ENVELOPE SHALL BE SEALED AGAINST AIR INFILTRATION. THE FOLLOWING AREAS MUST BE SEALED.

* JOINTS AROUND WINDOW AND DOOR FRAMES

* JOINTS BETWEEN WALL CAVITY AND WINDOW/DR. FME. * JOINTS BETWEEN WALL AND FOUNDATION

* JOINTS BETWEEN WALL AND ROOF

* JOINTS BETWEEN WALL PANELS * UTILITY PENETRATIONS THROUGH EXTERIOR WALLS

DOOR AND WINDOW NOTES:

ALL WINDOWS SHALL MEET R310.1.1 MINIMUM.

EVERY BEDROOM SHALL BE PROVIDED WITH AN EGRESS WINDOW WITH FINISH SILL HEIGHT NOT GREATER THAN 44" ABOVE THE FINISH FLOOR HEIGHT AND SHALL HAVE A MINIMUM OPENABLE AREA OF 5.7 SQ. FT. EGRESS WINDOWS SHALL NOT HAVE AN OPENABLE AREA LESS THAN 20" WIDE OR 24"

ALL WALK-THRU DOORS SHALL BE SOLID

INTERIOR DOORS SHALL BE PAINTED. ENTRY DOOR TO BE DEFINED BY HOME OWNER PRIOR ORDERING

DOORS BETWEEN GARAGE AND LIVING AREA SHALL BE 1-3/4" TIGHT FITTING SOLID CORE DOORS WITH A RATING OF 60 MINUTES. DOOR SHALL BE SELF CLOSING

EXTERIOR EXIT DOORS WILL BE 36" MIN. NET CLEAR DOORWAY SHALL BE 32" MIN. DOOR SHALL BE OPENABLE FROM INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. GLAZING IN DOORS SHALL BE DUAL PANE SAFETY GLASS WITH MIN. U-VALUE OF 0.60

PROJECT STATISTICS:

BUILDING SIZE 656 SQ.FT (3X) 1968 SQ. FT 329 SQ.FT (3X) 987 SQ. FT ADDITION NEW LOT SIZE: 2565 SQ. FT. ANTICIPATED DISTURBED AREA: 316 SQ. FT. **BUILDING ENVELOPE:** 1105 SQ. FT. **UPPER ROOF AREA:** 985 SQ. FT. LOWER ROOF AREA 490 SQ.FT. FRONT HEIGHT: 27" FT. REAR HEIGHT: 25'-6" FT.

SHOLLOW, UNDULATING TO STEEP SOILS OR LIMESTONE OR SOIL TYPE: STRONGLY CEMENTED CHALK.

*6000 PSF ALLOWABLE (ASSUMED). TO BE DETERMINED

AT TIME OF EXCAVATION. FROST DEPTH: *2'-6"

SEISMIC ZONE: WIND: 115 MPH (120 MPH 3 SEC GUST), EXPOSURE B.

SITE PLAN NOTES:

1. SITE SURVEY TO BE COMPLETED TO VERIFY PIN LOCATIONS AND HOME LOCATION PRIOR TO EXCAVATION.

2. CALL BEFORE YOU DIG: 800.428.4950

GENERAL PLUMBING & HVAC NOTES:

1. HVAC SHALL HAVE TWO ZONES, ONE FOR EACH

2. THE FURNACE AND WATER HEATER ON FLOOR

SHALL SERVE FLOORS 1 & 2. 3. METALLIC GAS PIPE, WATER PIPE, AND

FOUNDATION REINFORCING BARS SHALL BE BONDED TO THE ELECTRICAL SERVICE GROUND. 4. DRYER, WATER HEATER, KITCHEN AND BATHROOM VENTING SHALL EXHAUST TO THE OUTSIDE OF THE BUILDING AND BE EQUIPPED WITH A BACK DRAFT

DAMPER. 5. ALL GAS LINES SHALL BE SIZED FOR APPLIANCE LOAD. "BLACK" PIPE SHALL BE USED INSIDE THE BUILDING, "GREEN" PIPE WHERE UNDERGROUND OR EXPOSED TO WEATHER. ALL JOINTS SHALL BE TAPED WHERE BURIED OR EXPOSED TO WEATHER

6. TUBS/SHOWERS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE OR THE THERMOSTATIC MIXING TYPE. THE WATER TEMPERATURE SHALL BE AT A

MAXIMUM OF 120*F. 7. WATER SOFTENER UNIT SHALL CONDITION WATER BEFORE ENTERING THE WATER HEATERS AND THE COLD WATER SOURCE.

8. EACH HOSE BIBB SHALL BE EQUIPPED WITH A BACK FLOW PREVENTION DEVICE. 9. HEAT DUCTING SHALL BE SECURED, SEALED AND

INSULATED AS APPROPRIATE. 10. INSTALL WATERPROOF GYPSUM BOARD AT ALL WATER SPLASH AREAS TO MINIMUM 70" ABOVE

SHOWER DRAINS. 11. INSULATE WASTE LINES FOR SOUND CONTROL. 12. INSTALL PERMANENT DRY LOCATION PLAQUE.

13. INSTALL FIRE EXTINGUISHER UNDER KITCHEN SINK.

EROSION CONTROL NOTES:

1. INSTALL SILT FENCE PRIOR TO ANY EXCAVATION OR CONSTRUCTION. 2. MINIMIZE SITE DISTURBANCE BY TIGHT CONTROL OF EXCAVATION LIMITS.

3. ALL EXPOSED SOIL SHALL BE MULCHED WITH STRAW OR WOOD CHIPS TO MINIMIZE SOIL EROSION. NO SOIL SHALL BE LEFT IN AN EXPOSED CONDITION. IT IS RECOMMENDED THAT THE CONTRACTOR MAINTAIN A STOCK PILE OF THIS MATERIAL ON SITE FOR QUICK APPLICATION.

4. HYDROSEED WITH A WOOD CELLULOSE FIBER MULCH APPLIED AT A RATE OF 2,000#/ACRE. USE AN ORGANIC TACKIFIER AT NO LESS THAN 150 #/ACRE OR PER MANUFACTURE'S RECOMMENDATION IF HIGHER. APPLICATION OF TACKIFIER SHALL BE HEAVIER AT EDGES, IN VALLEYS AND AT CRESTS OF BANKS AND OTHER AREAS WHERE SEED CAN BE MOVED BY WIND OR WATER.

5. DISPERSION TRENCHES SHALL OVERFLOW ONTO NATIVE UNDISTURBED GROUND. NO SITE DISTURBANCE BELOW TRENCHES.

ELECTRICAL, DATA, & AUDIO NOTES:

ELECTRICAL NOTES: 1. ELECTRICAL RECEPTACLES IN BATHROOMS, KITCHENS AND GARAGES SHALL BE G.F.I. ORG.F.I.C. PER NATIONAL ELECTRICAL

CODE REQUIREMENTS. 2. PROVIDE ONE SMOKE DETECTOR IN EACH ROOM AND ONE IN EACH CORRIDOR ACCESSING BEDROOMS. CONNECT SMOKE DETECTORS TO HOUSE POWER AND INTER-CONNECT SMOKE DETECTORS SO THAT, WHEN ANY ONE IS TRIPPED, THEY ALL WILL SOUND. PROVIDE

BATTERY BACKUP FOR ALL UNITS. 3. ALL 120V OUTLET SHALL BE TAMPER PROOF.

4. OUTLETS LOCATED OUTSIDE IN THE FRONT AND REAR SHALL BE (TW) GFCI PLACED IN, IN-USE COVER BOXES.

5. ALL BEDROOM OUTLETS AND SMOKE DETECTORS WILL BE ON ARC FAULT BREAKERS. 6. ALL NEW APPLIANCES SHALL OPERATE ON ELECTRIC OTHER.(NO FUEL BURNING APPLIANCES)

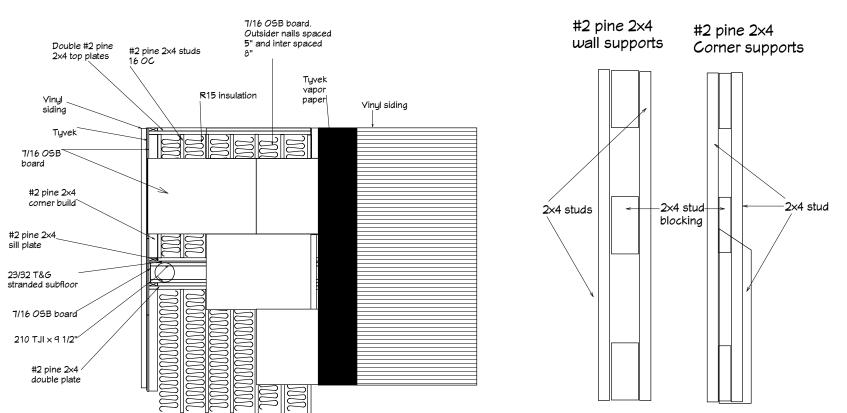
7. ATTIC SHALL HAVE ONE LIGHT AND ONE GFCI OUTLET 8. AT LEASE ONE LIGHT SHALL BE PLACE IN FRONT AND REAR OF HOUSE.

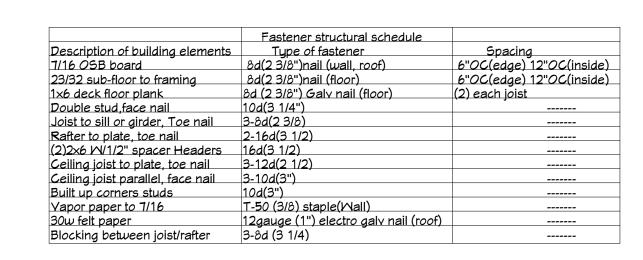
9. KITCHEN (1) 20A MIRCOWAVE (1) 20A DISHWASHER

(1) 20A GARBAGE DISPOSAL

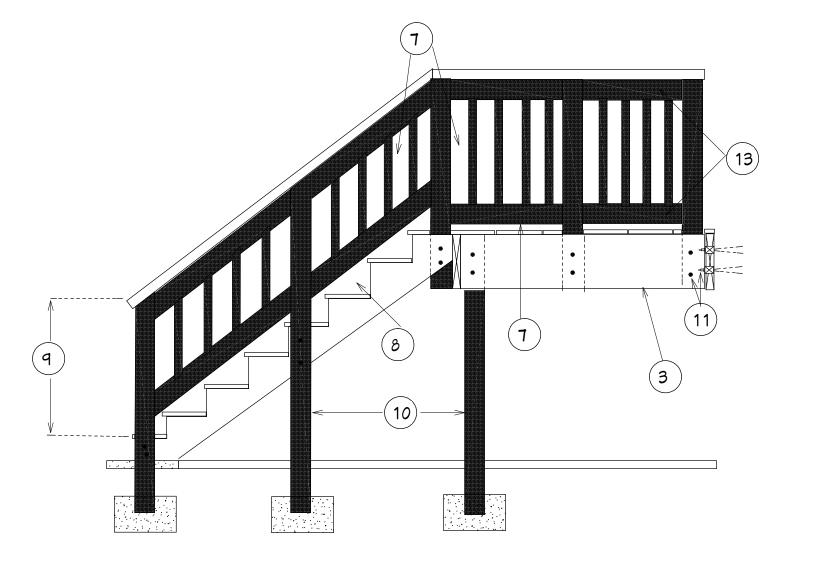
(2) 20A COUNTER OUTLTES

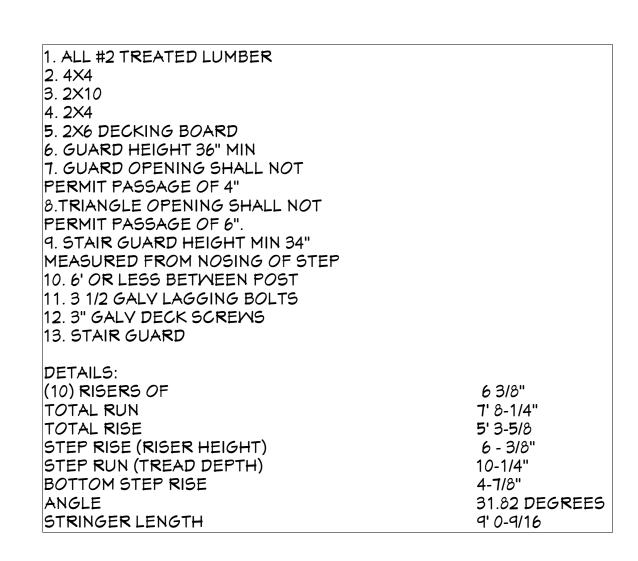
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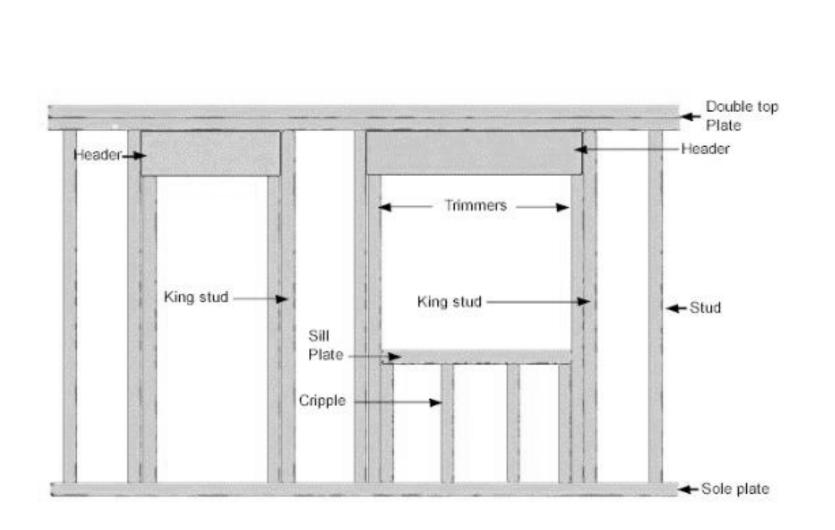


EXTERIOR MALL SECTION

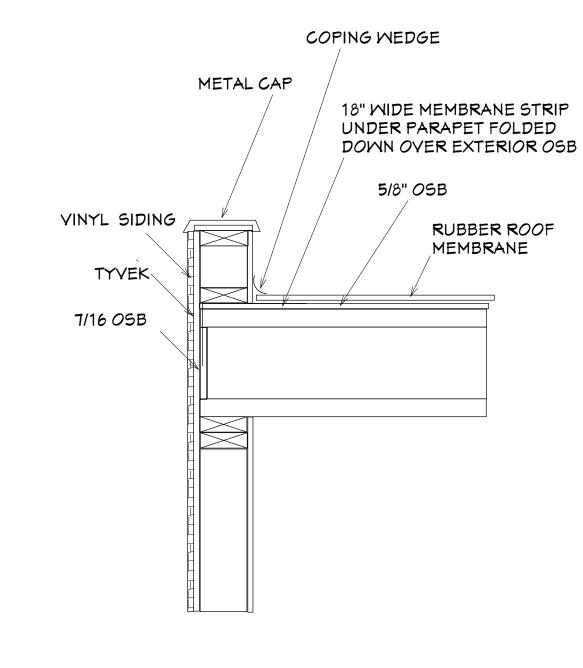




EXTERIOR STAIR AND RAIL SECTION



DOOR AND WINDOW DETAILS



FLAT ROOF DETAILS

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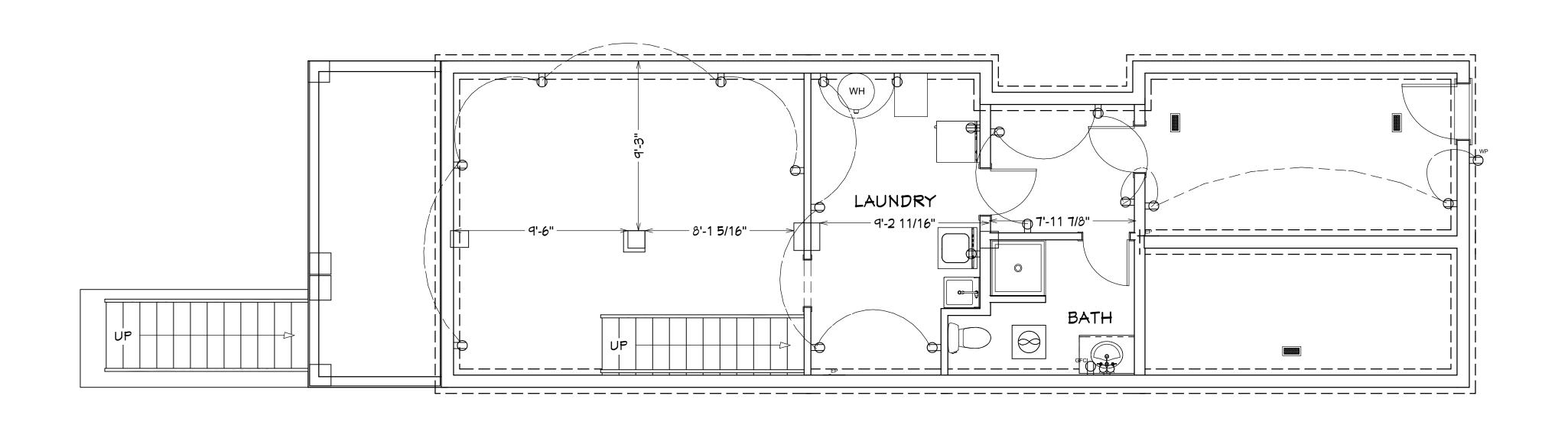
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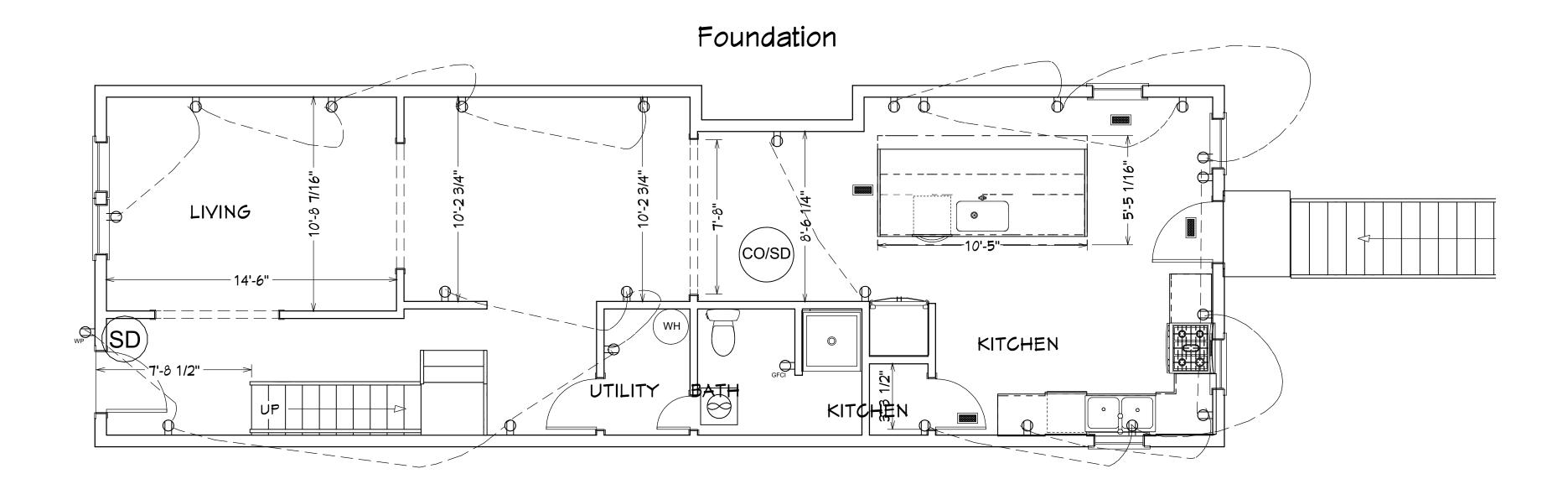
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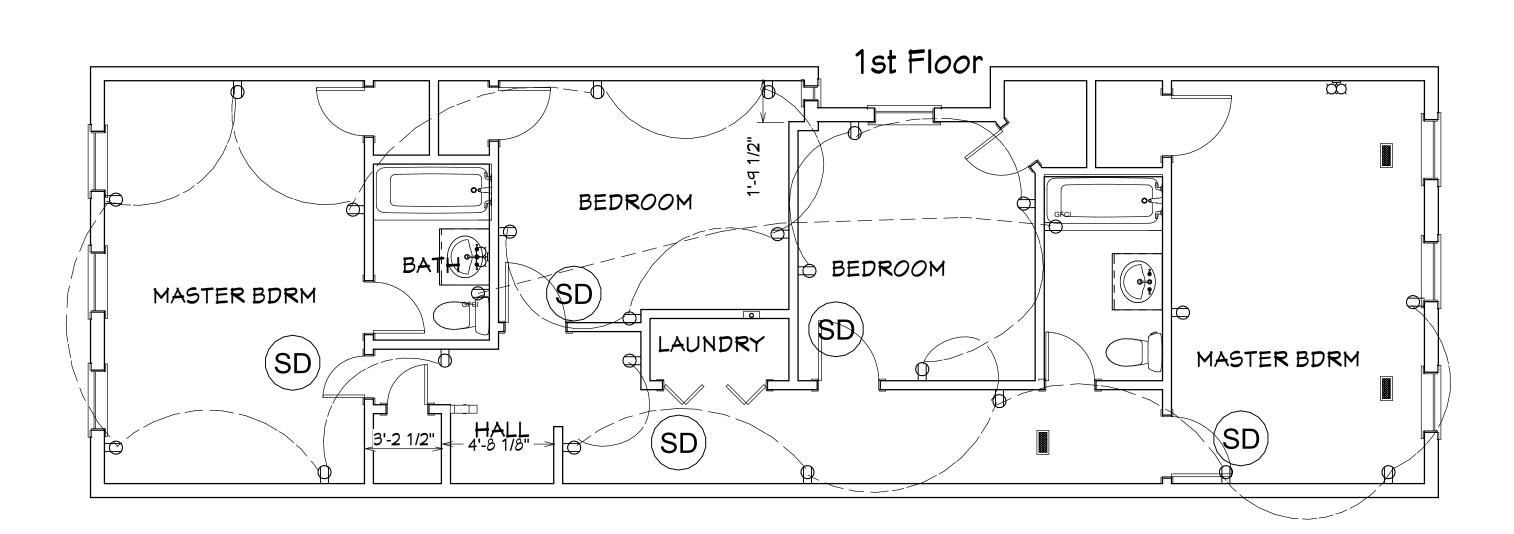
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- 1) ALL BATHROOMS SHALL HAVE GFCI 20A OUTLET.
- 2) KITCHEN SHALL HAVE
 - A) (2) 20A OUTLETS SPACED 2FEET ABOVE
 - ALL COUNTER TOPS.
 - B) (1) 20A DISH WASHER
 - C) (1) 20A MICROWAYE
 - D) (1) 20A GARBAGE DISPOSAL
- 3) ALL BEDROOM SHALL BE ARC FAULT PROTECTED.
- 4) ONE TP-GFCI SHALL BE INSTALLED IN WITHIN 10 FEET OF
- THE FRONT AND REAR EXTERIOR DOOR.
- 5) ALL OUTLETS SHALL IN TAMPER PROOF.
- 6) ALL BEDROOM AND HALLWAYS SHALL HAVE SMOKE DETECTOR.
- KITCHEN SHALL HAVE SMOKE AND CARBON DETECTOR. ALL SMOKE AND CARBON DETECTORS WILL BE INTERCONNECTED 120Y / ARC FAULT.



2nd Floor



	DESCRIPTION			
REVISION TABLE	KEVISED BY			
REVI	DAIE			
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Existing elevation

Betty Matthews
604 Gallatin st NW
Mashington, DC 20011

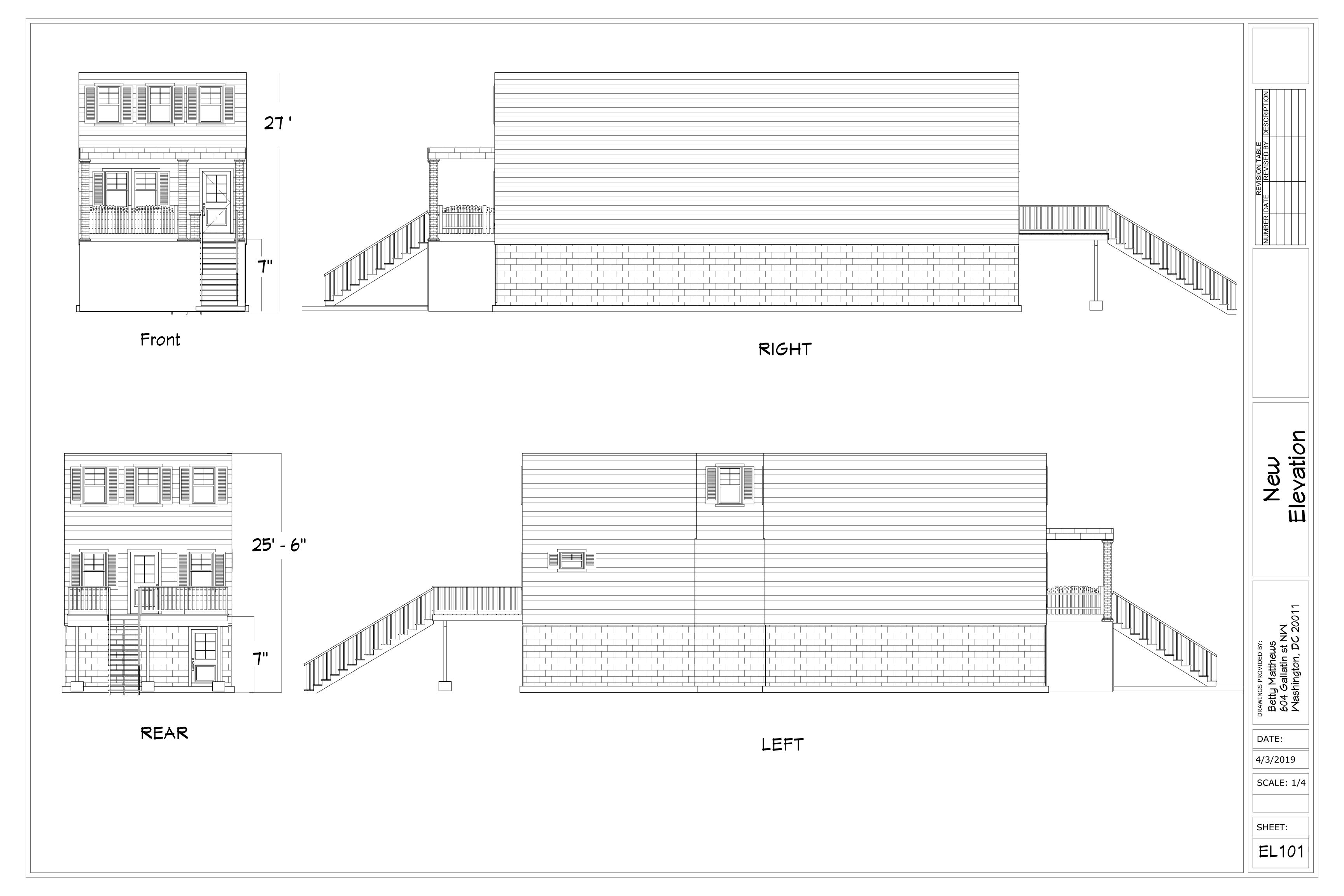
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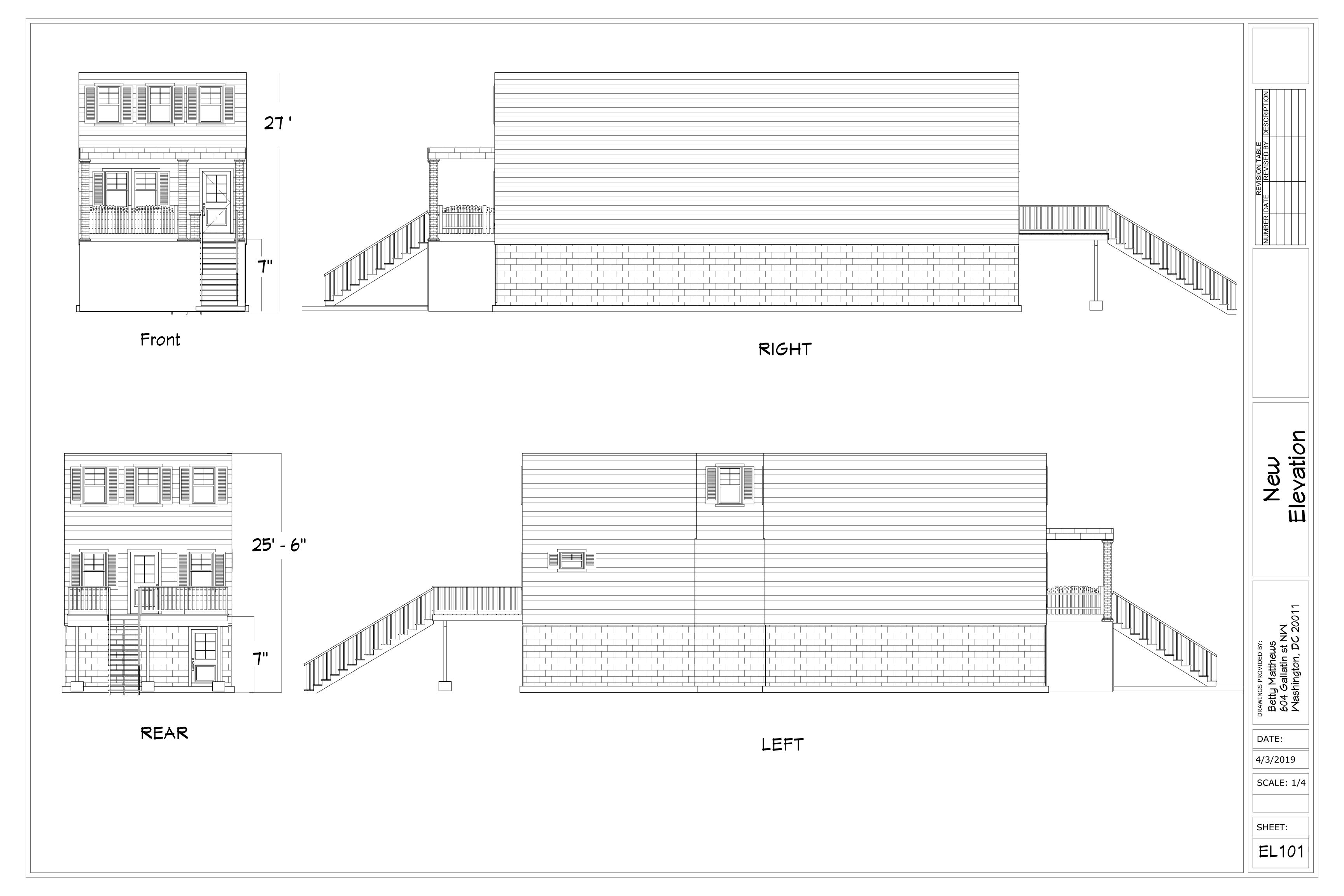
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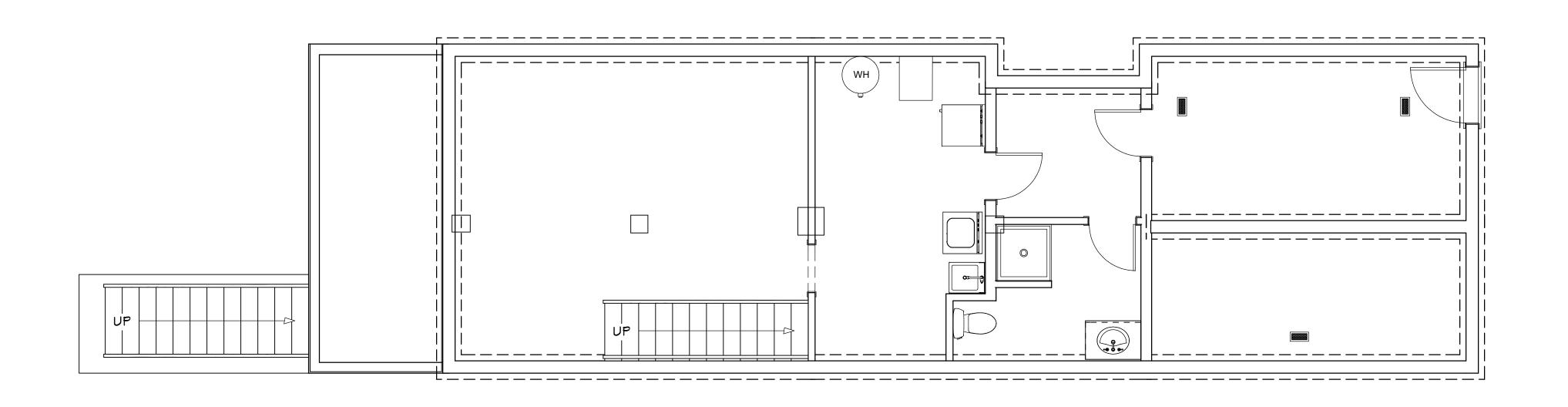
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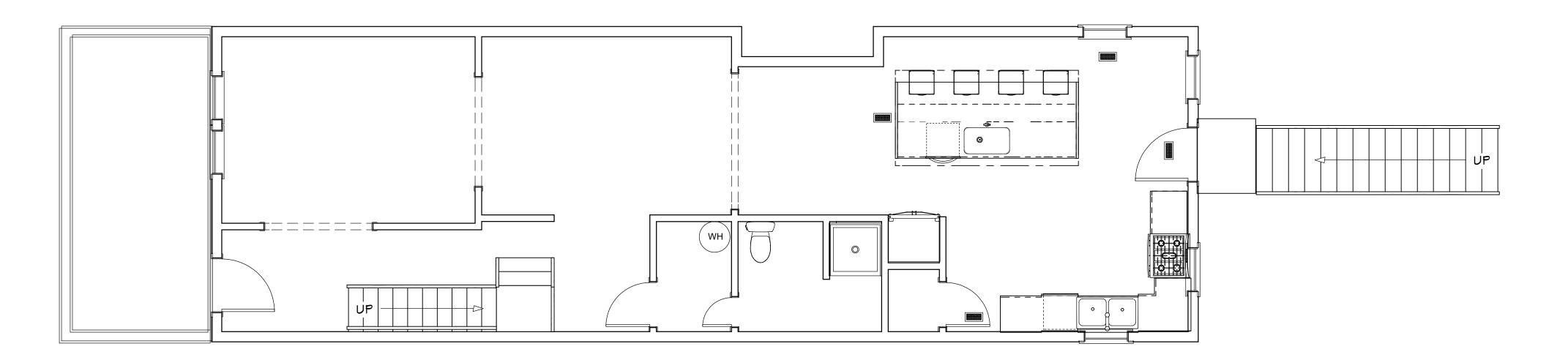


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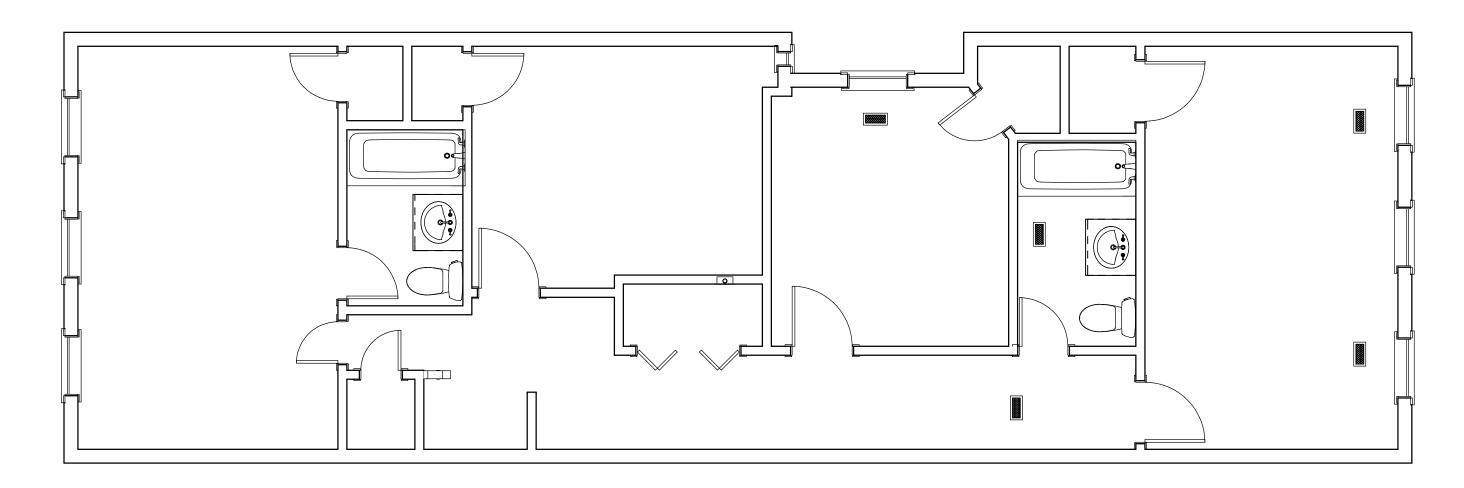
M001



Foundation



1st Floor



2nd Floor