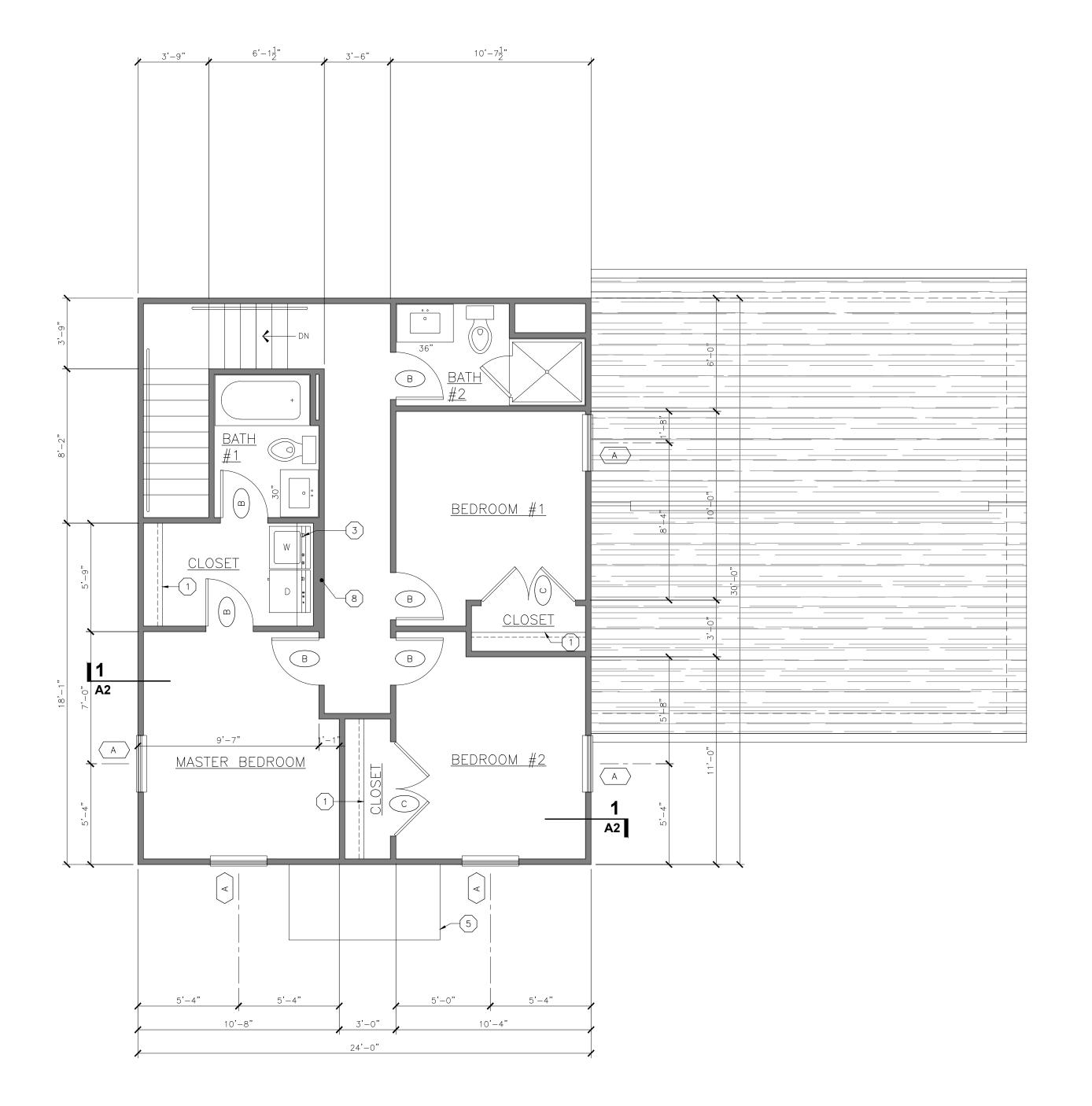
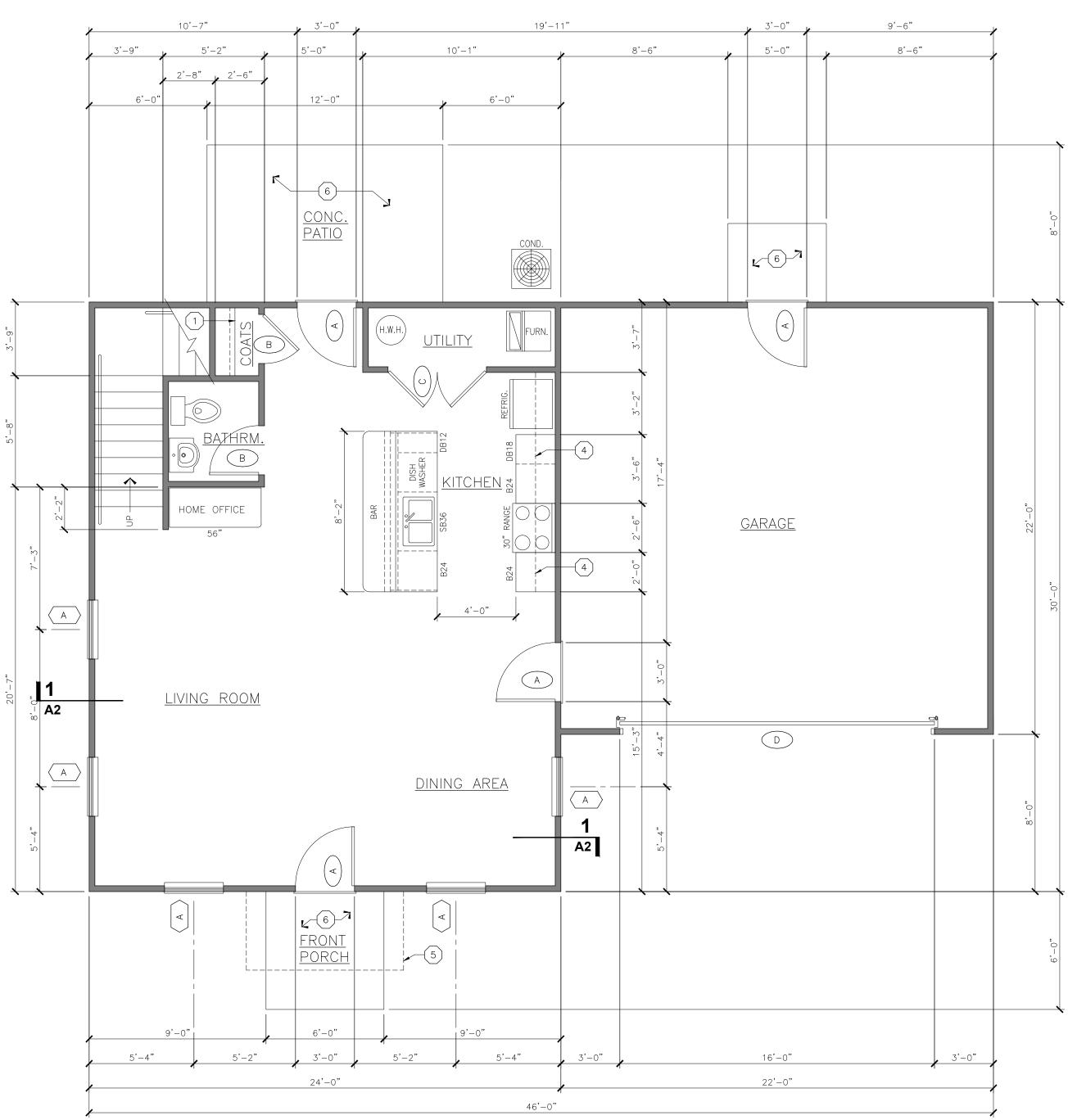
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DRAWING NUMBER	DRAWING TITLE	06/04/2021						
A1	DIMENSIONAL FLOOR PLANS	•						
A2	FOUNDATION & SLAB PLAN, ROOF PLAN & WALL SECTIONS	•						
А3	EXTERIOR BUILDING ELEVATIONS	•						Ŧ
P1	PLUMBING PLANS & ISOMETRICS	•						T
ME1	HVAC & ELECTRICAL PLANS	•						$\mp$





2ND FLOOR DIMENSIONAL PLAN

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

1ST FLOOR DIMENSIONAL PLAN
SCALE: 1/4" = 1'-0"

## **GENERAL NOTES:**

G1. ALL DIMENSIONS OF INTERIOR WALLS ARE TO FACE OF STUDS UNLESS OTHERWISE NOTED

G2. ALL DIMENSIONS OF EXTERIOR WALLS ARE TO OUTSIDE FACE OF FOUNDATION UNLESS OTHERWISE

G3. USE 3 1/2" WOOD STUDS AT 16" O.C. WITH 1/2 TYPE 'X' GYPSUM BOARD BOTH SIDES FOR ALL INTERIOR STUD WALLS UNLESS OTHERWISE NOTED G4. EXTEND STUD WALLS AND GYPSUM BOARD TO UNDERSIDE OF ROOF TRUSS UNLESS OTHERWISE

### DOOR SCHEDULE

- A 3'-0" W. x 6'-8" H. CLASS 'C' HOLLOW METAL 6 PANEL DOOR UNIT W/ ALUMINUM THRESHOLD
- B 2'-6" W. x 6'-8" H. HOLLOW CORE DOOR C PAIR OF 2'-6" W. x 6'-8" H. HOLLOW CORE DOORS W/ DUMMY TRIM & BALL CATCH
- D 16'-0" W. x 7'-0" H. OVERHEAD SECTIONAL

### WINDOW SCHEDULE

A 36"x62" VINYL CLAD SINGLE HUNG WINDOW W/ INSULATED TEMPERED LOW-E GLASS

# KEY NOTES:

- (1) (1) 12" SHELF & HANGAR ROD
- (2) (4) EQUALLY SPACED 16" PANTRY SHELVES 3 12" LAUNDRY SHELF @ 48" A.F.F.
- (4) 12" UPPER CABINETS AS REQUIRED 8'-0" W x 1'-0" H x 4'-0 D CABLE-SUPPORTED ALUMINUM CANOPY 6 SLAB ON GRADE CONC. PORCH & PATIO (1 STEP DOWN FROM HOUSE SLAB) W/ 6" THICK MONOLITHIC TURNED DOWN CONC. TO 34" BELOW GRADE
- 7) 6" SPACER UNDER COUNTER (8) DOUBLE WALL AT LAUNDRY

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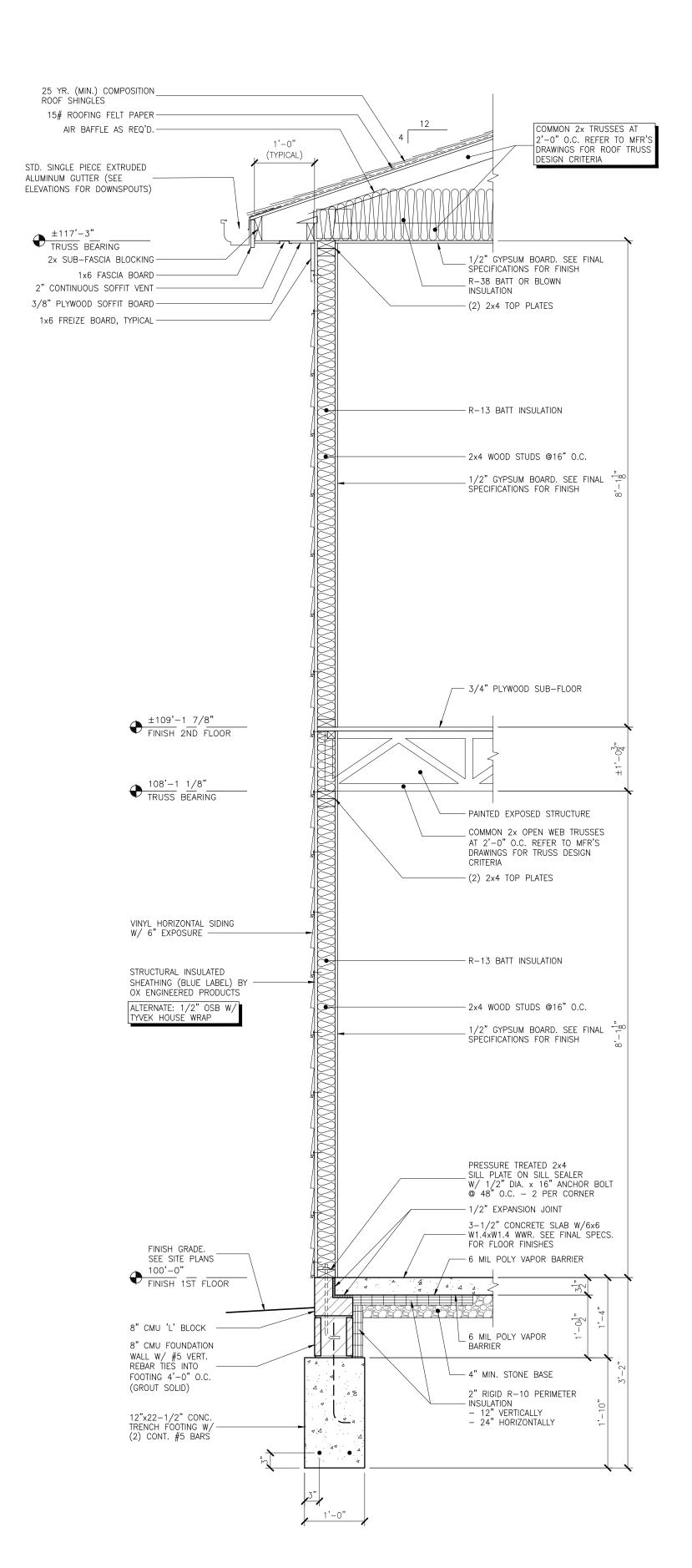
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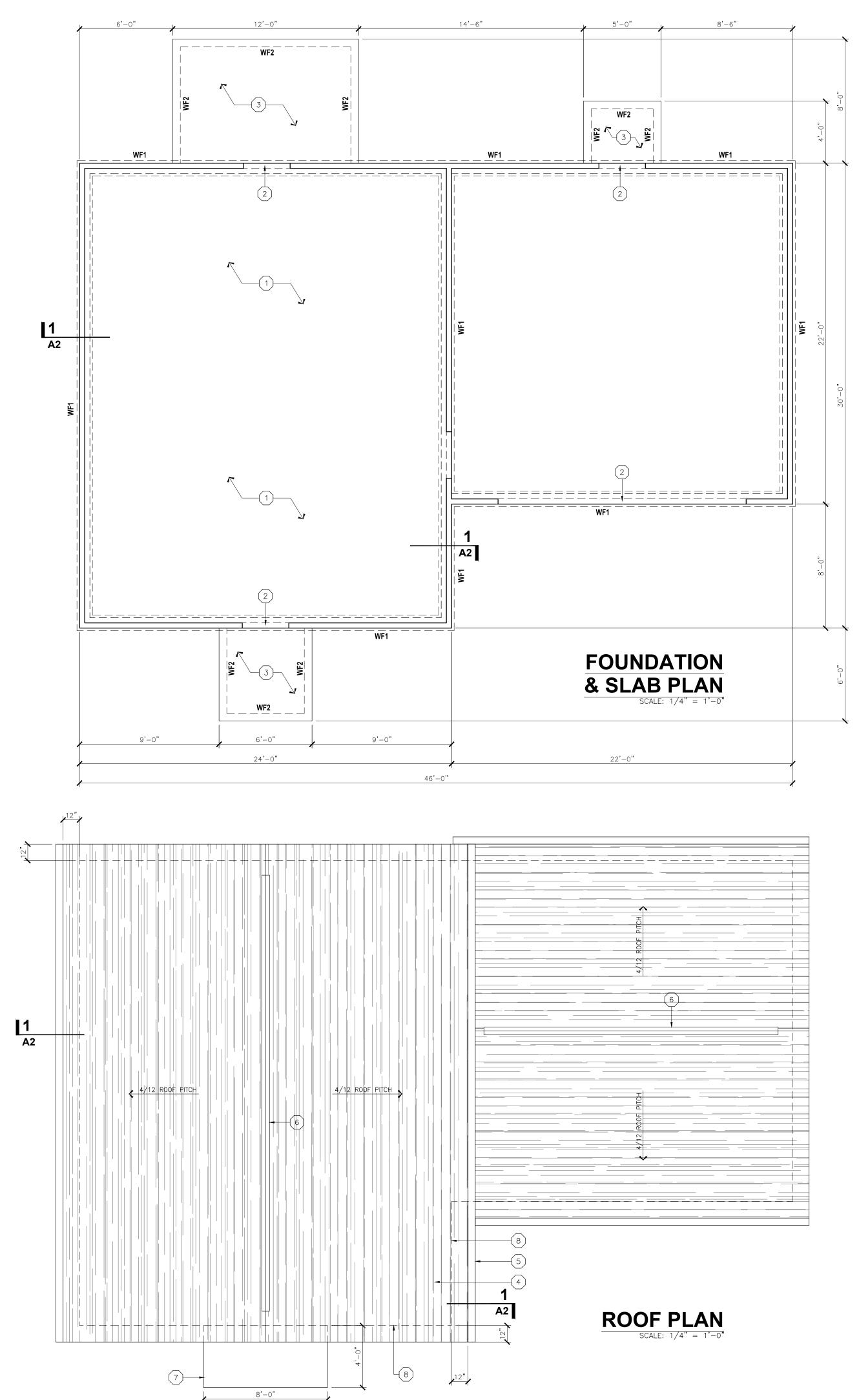
DIMENSIONAL FLOOR PLANS & ALTERNATE KITCHEN LAYOUT

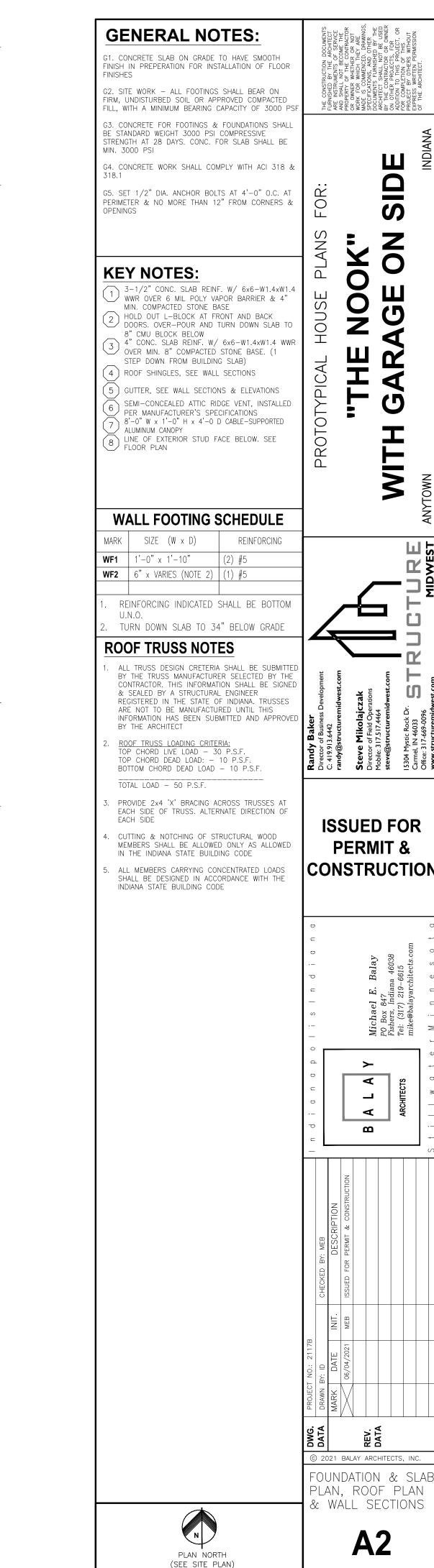
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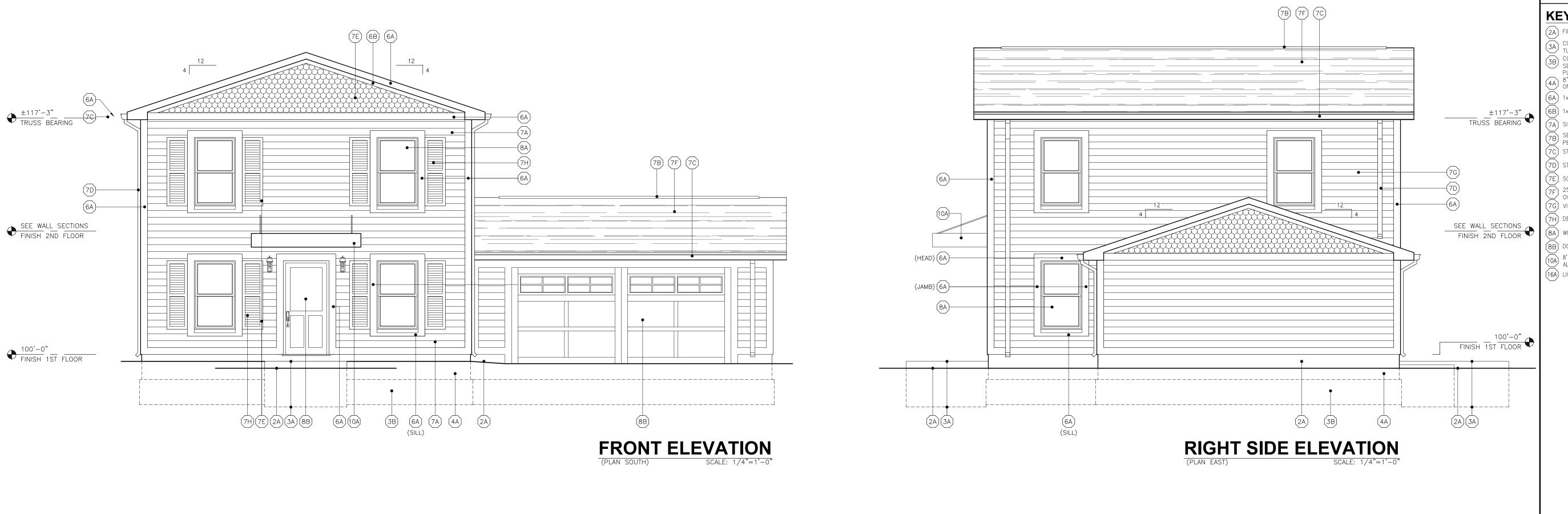
PLAN NORTH (SEE SITE PLAN)

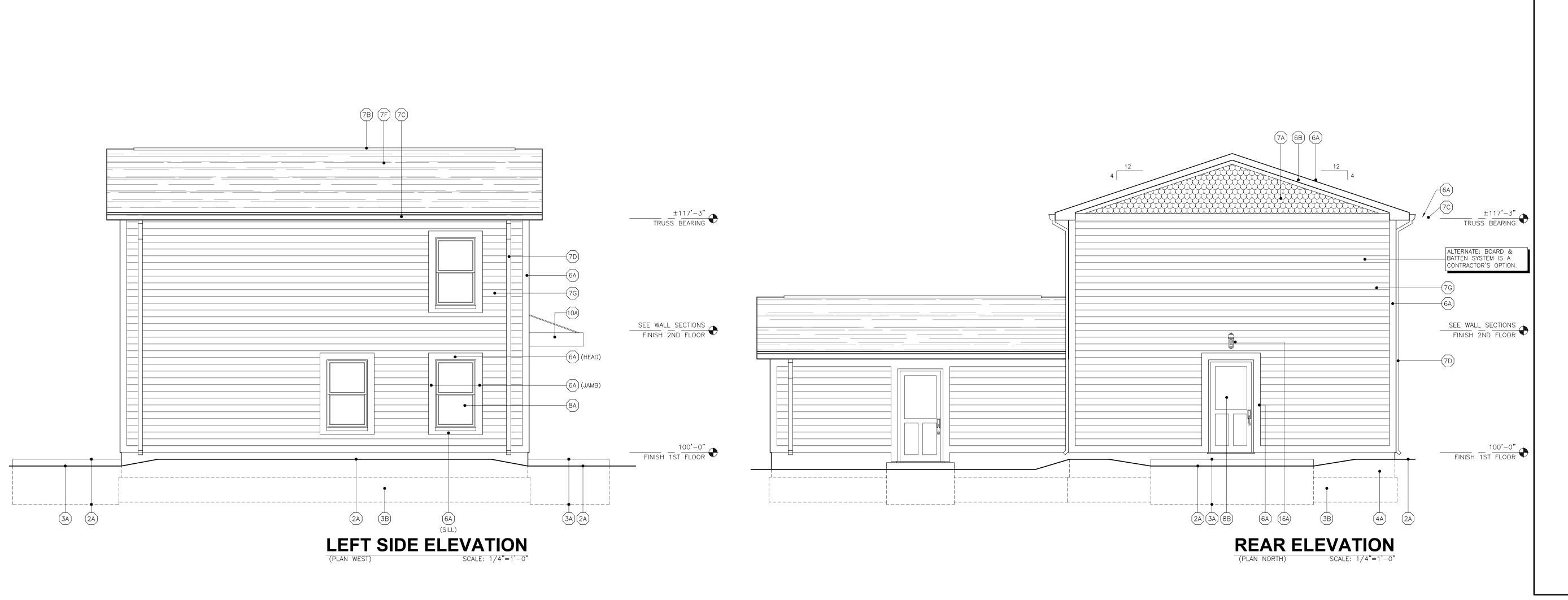


TYPICAL WALL/FOOTING SECTION SCALE: 3/4"=1'-0"









## **GENERAL NOTES:**

G1. COORDINATE ALL PAINT & MATERIAL COLORS WITH OWNER PRIOR TO INSTALLATION AND/OR APPLICATION G2. INSTALL ALL VINYL SIDING ACCESSORIES AS REQUIRED INCLUDING LIGHT BLOCKS, VENTS, J CHANNELS, STARTER STRIPS, ETC.

G3. ELEVATIONS SHOWN ARE TYPICAL AND REPRESENT THE GENERAL SCOPE FOR THE BUILDING

G4. ALL FINISH MATERIALS MUST COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE AS ADOPTED BY THE STATE OF INDIANA

## KEY NOTES:

- (2A) FINISH GRADE. SEE SITE PLANS
- CONCRETE PORCH OR PATIO WITH
  TURNED-DOWN SLAB TO 34" BELOW GRADE
  CONCRETE GRADE-BEAM FOUNDATION. SEE WALL
  SECTIONS ON SHEET A2 & SLAB/FOUNDATION
  PLAN ON SHEET A2

  4A
  8" CMU FOUNDATION WALL. SEE WALL SECTIONS
  ON SHEET A2
- (6A) 1x6 PAINTED TRIM BOARD, TYPICAL
- (6B) 1x4 PAINTED TRIM BOARD, TYPICAL
- SEMI-CONCEALED ATTIC RIDGE VENT, INSTALLED PER MANUFACTURER'S SPECIFICATIONS
- C) STD. SINGLE PIECE EXTRUDED ALUMINUM GUTTE
- 7D) STD. DOWNSPOUT W/ SPLASH BLOCK (7E) SCALLOP SIDING SYSTEM
- 7F 25 YR. (MIN.) COMPOSITION ROOF SHINGLES OVER 15# FELT ROOFING PAPER
- 7G) VINYL HORIZONTAL SIDING W/ 6" EXPOSURE 7H) DECORATIVE WINDOW SHUTTER
- (8A) WINDOW, SEE PLANS
- (8B) DOOR. SEE PLANS
- 10A) 8'-0" W x 1'-0" H x 4'-0 D CABLE-SUPPORTED ALUMINUM CANOPY

  (16A) LIGHT FIXTURE TO BE SELECTED

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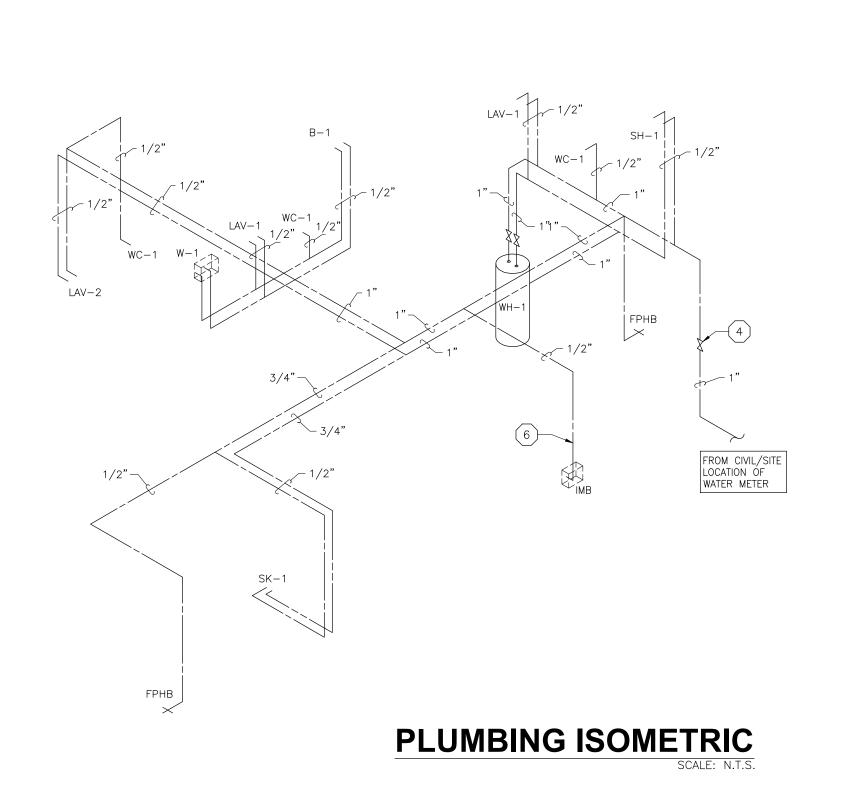
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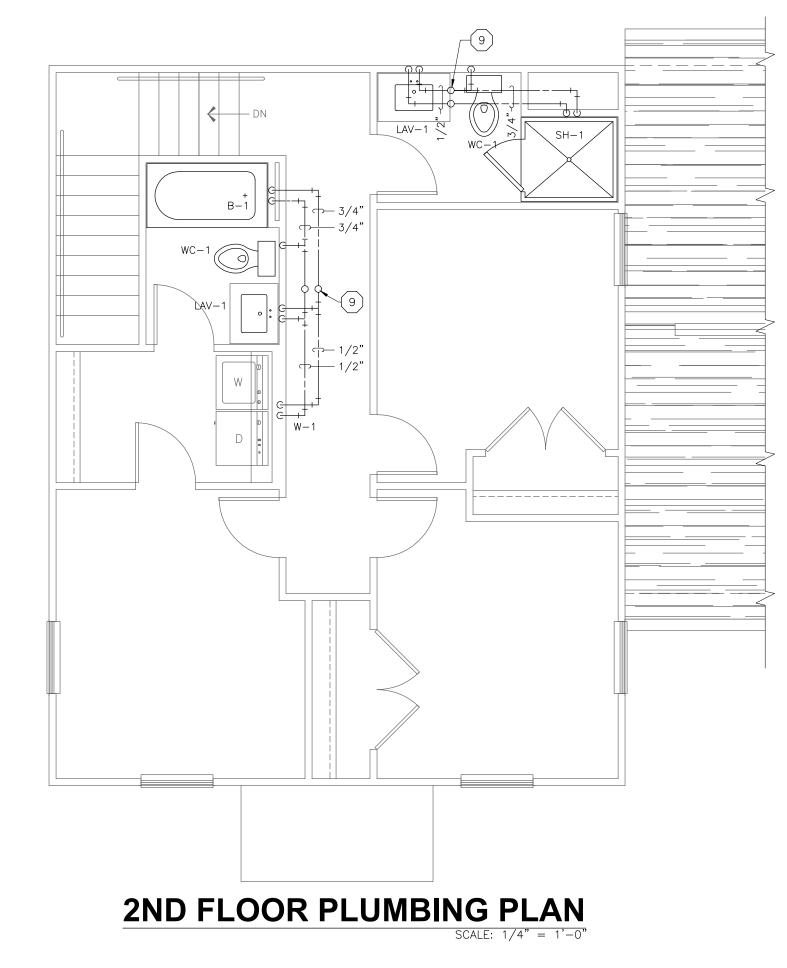
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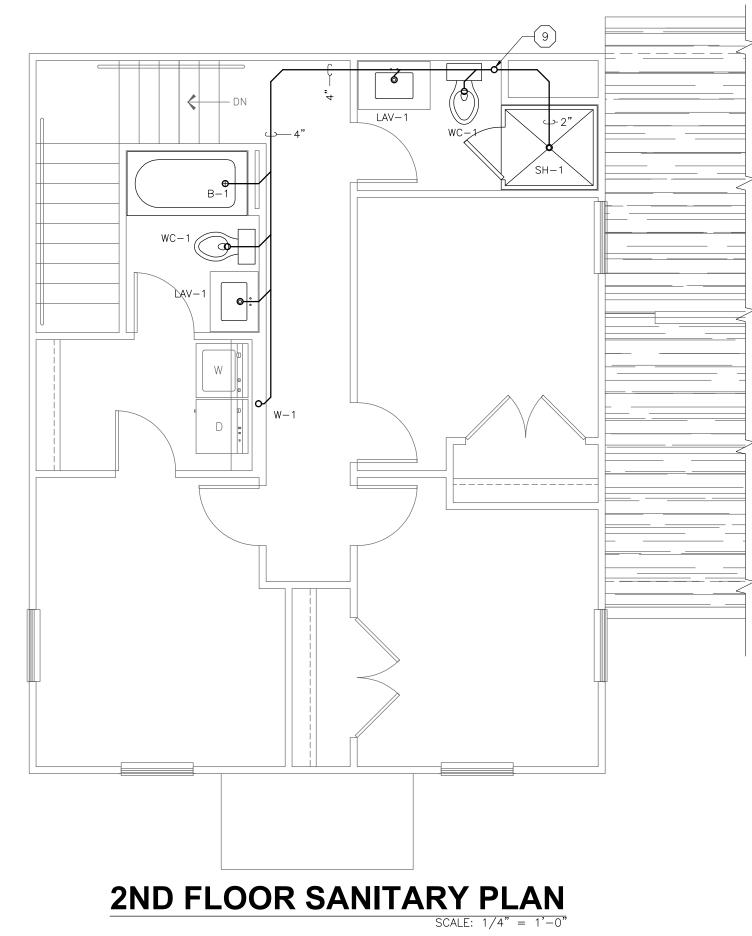
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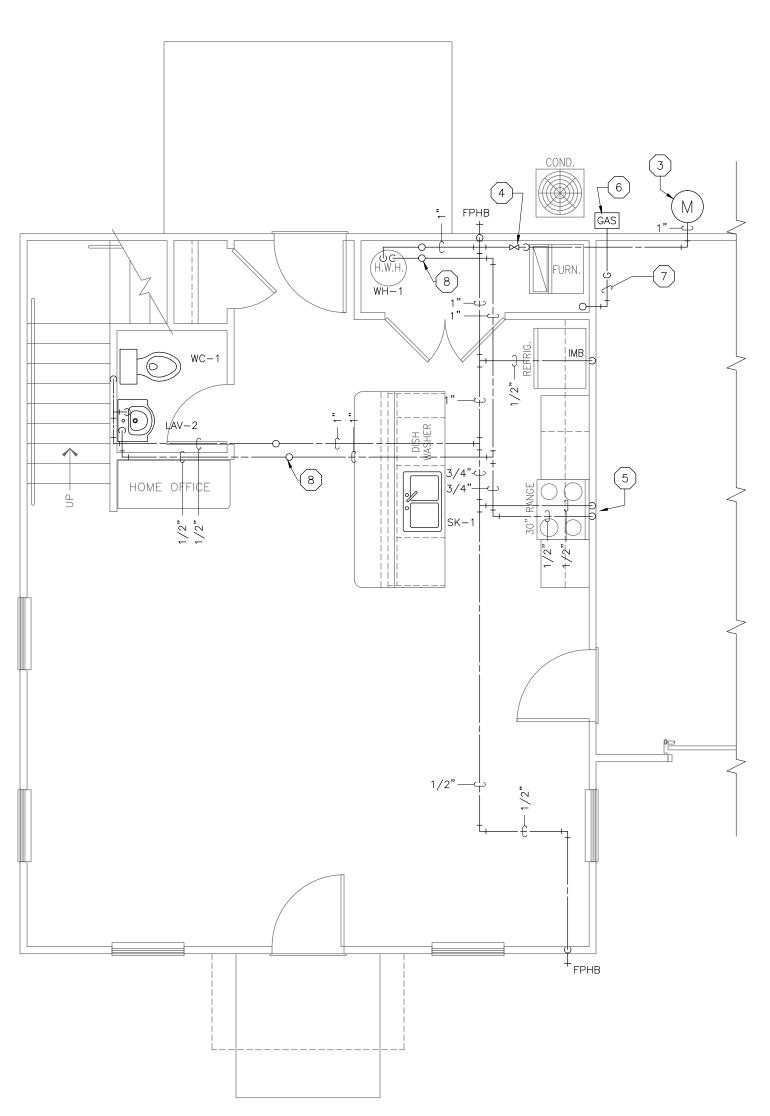


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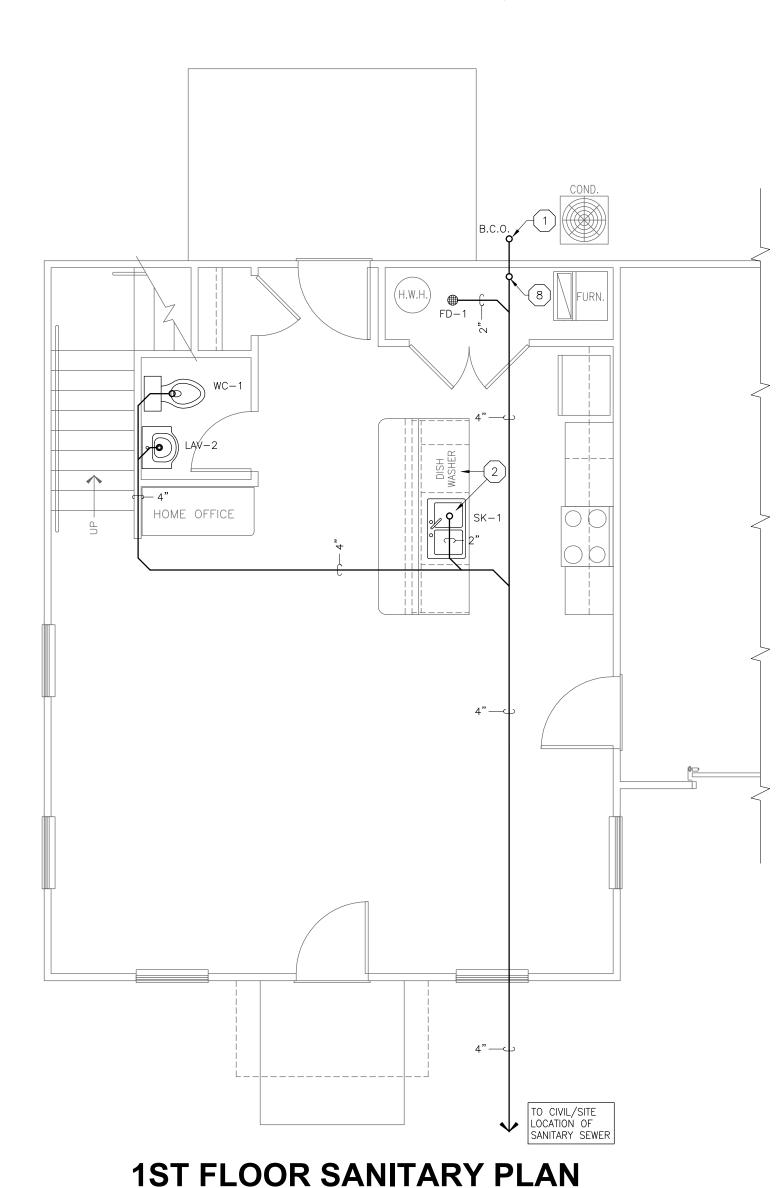
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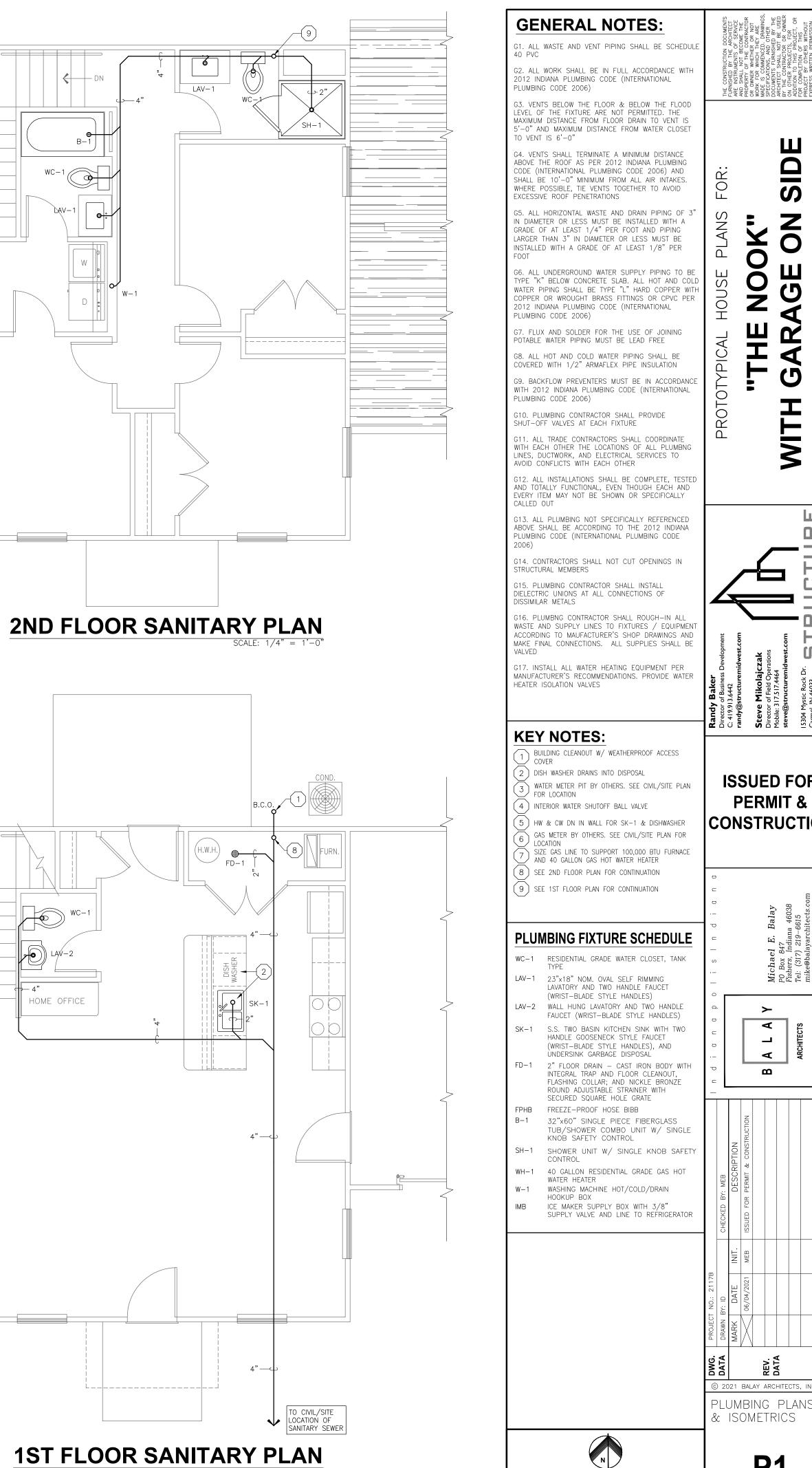


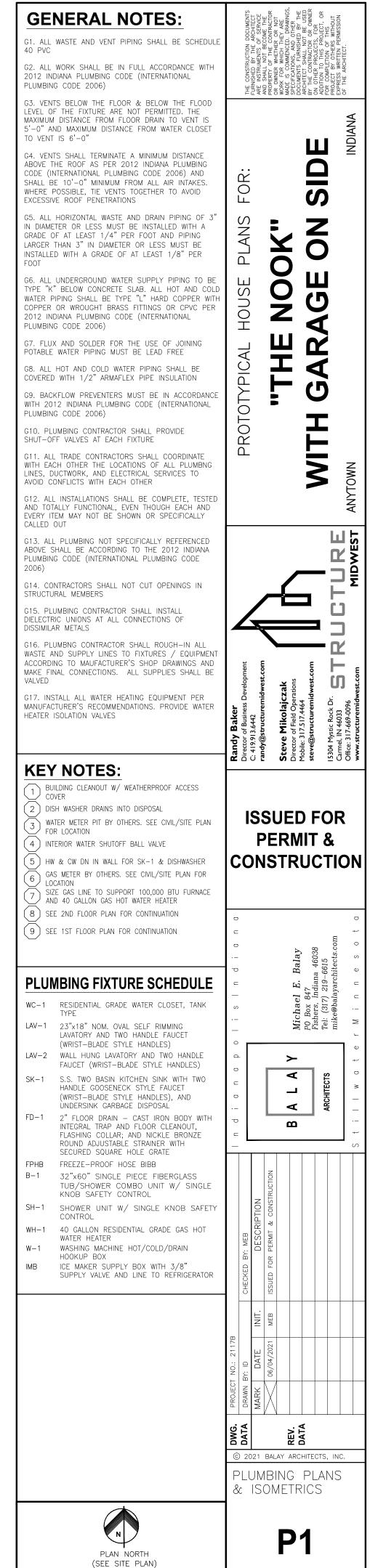


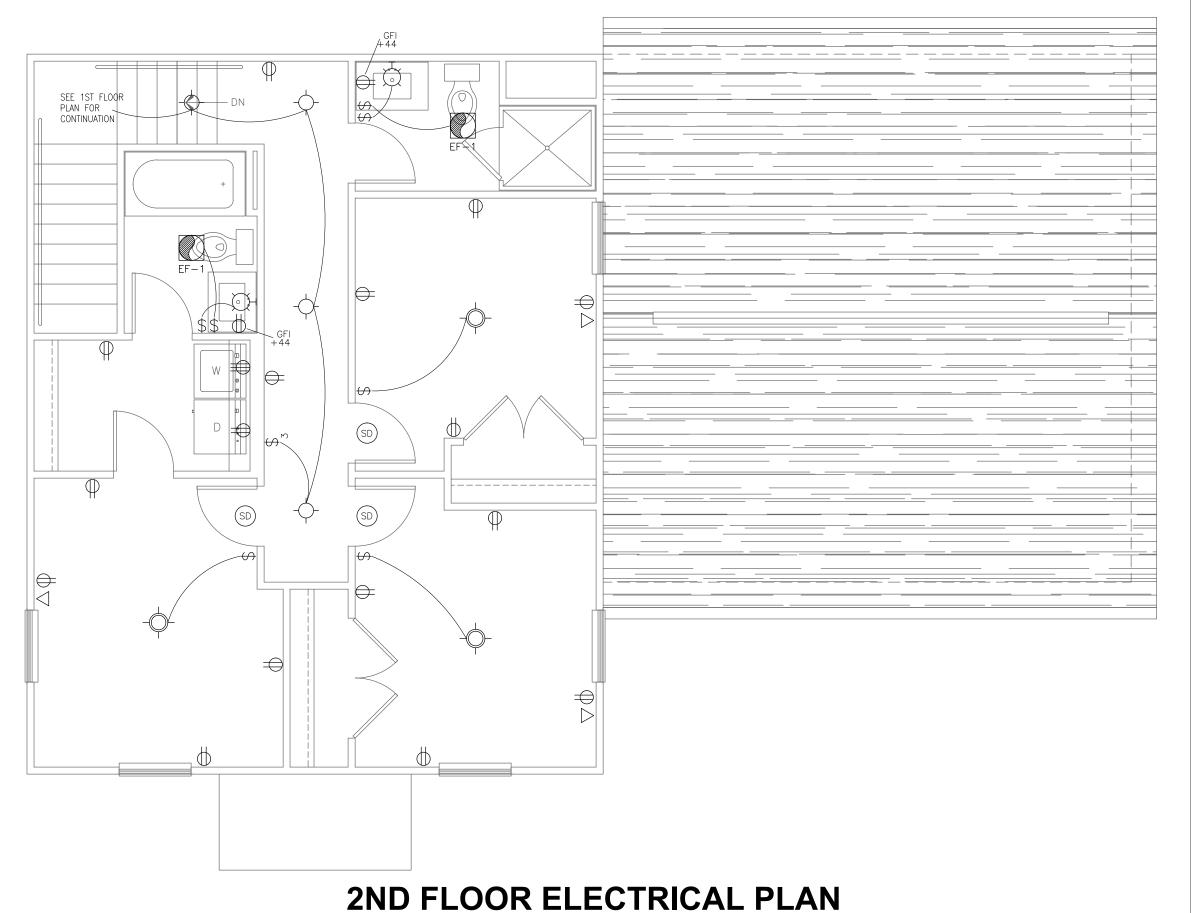


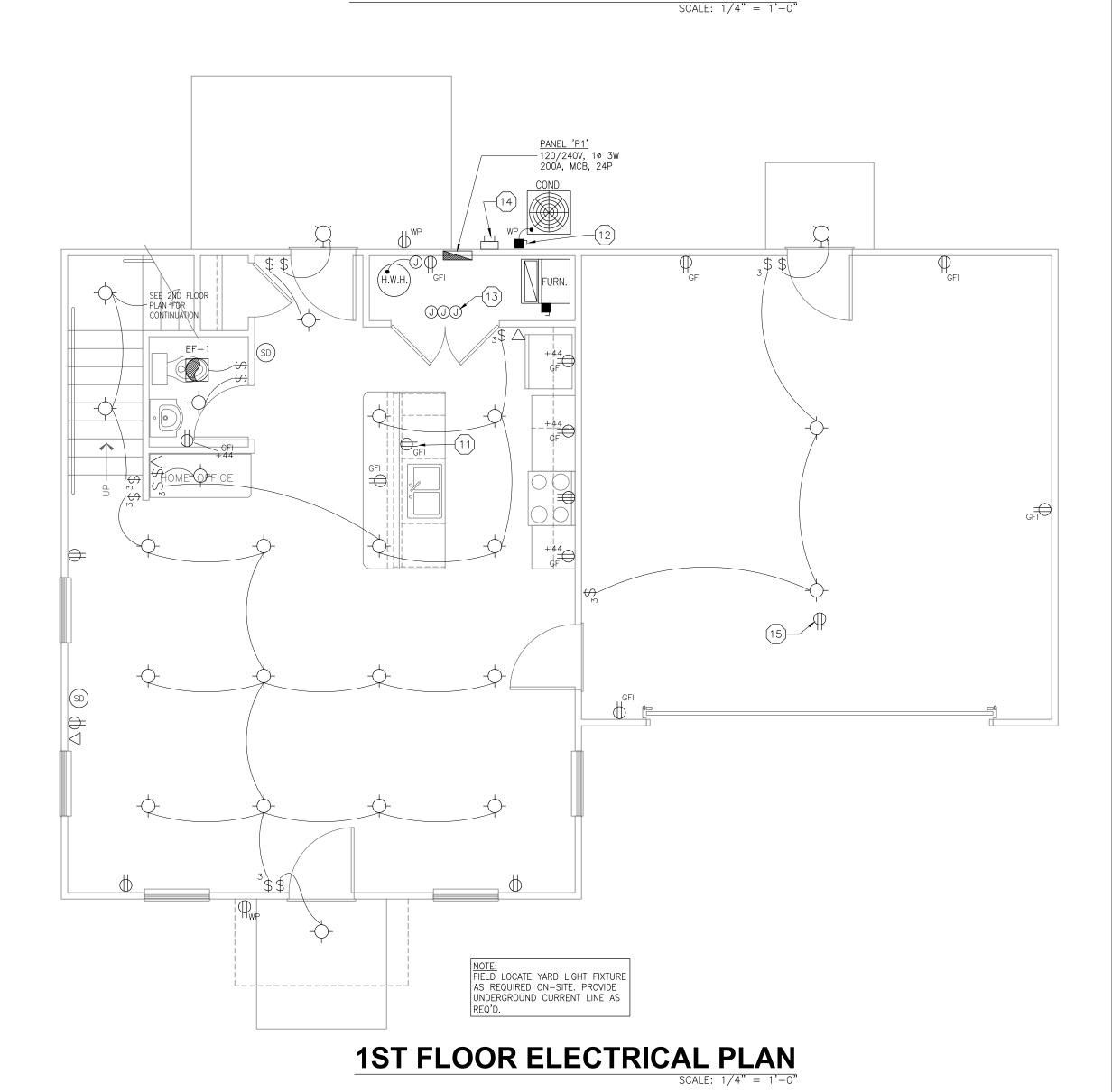
**1ST FLOOR PLUMBING PLAN** 











# **GENERAL NOTES:**

### FLECTRICAL

PROPER INSULATION

G31. THE ELECTRICAL CONTRACTOR SHALL CONSULT WITH THE LOCAL POWER COMPANY AND PROVIDE ALL MATERIALS AND LABOR AND PAY ALL COSTS AND FEES NOT BORNE BY THE LOCAL POWER COMPANY TO PROVIDE A COMPLETE ELECTRICAL SERVICE

G32. ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE — N.E.C., LATEST EDITION, WITH ADOPTED STATE AMENDMENTS, AND SHALL BE PERFORMED IN A GOOD WORKMANLIKE MANNER. WORK SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND INSPECTIONS

G33. NO CIRCUIT OR FEEDER SHALL EXCEED 3% VOLTAGE DROP

G34. ANY CONDUCTORS RUNNING UNDERGROUND (SERVICE, FEEDERS, BRANCH CIRCUITS, ECT.) TO HAVE "WET LOCATION"

335. ALL WIRING SHALL BE SIZED ACCORDING TO THE NEC

RATING IN ACCORDANCE WITH THE REQUIREMENTS OF THE

G36. SPLICES SHALL BE MADE ONLY AT ACCESSIBLE LOCATIONS, OUTLET BOXES, PANELBOARDS, JUNCTION BOXES, ETC. TERMINAL CONNECTIONS AND SPLICES IN ALL WIRE #6 AND LARGER SHALL BE MADE WITH APPROVED SOLDERLESS CONNECTORS, PROPERLY INSULATED AND TAPED WHERE NECESSARY. IN SMALLER WIRES ALL SPLICES SHALL BE MADE LITHER WITH APPROVED SOLDERLESS CONNECTORS OR SHALL BE SOLDERED AND TAPED AS REQUIRED TO INSURE

G37. ELECTRICAL BOXES AND FITTINGS SHALL COMPLY WITH UL STANDARD #50, 514—SERIES AND 886 AND NEMA STANDARDS PUBLICATIONS #051, 052 AND PUBLICATION 250 G38. WIRING DEVICES SHALL COMPLY WITH NEC, UL 20, 486A, 498 AND 943, IEEE STANDARD 241 AND NEMA STANDARDS PUBLICATION NO. WD1, WD2 AND WD5 G39. RECEPTACLES SHALL BE GENERAL DUTY TYPE, 2—POLE, 3—WIRE, GROUNDED, 20 AMPS, 125 VOLTS. RECEPTACLES SHALL BE INSTALLED 18" ABOVE FINISH FLOOR, UNLESS

G40. SWITCHES SHALL BE GENERAL DUTY, 20 AMPS, 120-277 VOLTS, MOUNTED 42" ABOVE FINISH FLOOR, UNLESS OTHERWISE NOTED

G41. FIXTURE SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUREMENTS OF THE NEC, ARTICLE

G42. ALL EQUIPMENT SHALL BEAR THE UL LABEL AND BE INSTALLED ACCORDING TO THE LATEST EDITION OF THE NEC
G43. SERVICE EQUIPMENT SHALL BE SUITABLE FOR SHORT-CIRCUIT CURRENT AVAILABLE AT ITS SUPPLY TERMINALS AS PER NEC ARTICLE 230-65

G44. LIGHTING FIXTURES SHALL COMPLY WITH NEC, NEMA, UL AND IES (APPLICABLE ARTICLES)

G45. PROVIDE MANUFACTURER'S RECOMMENDED LAMPS FOR ALL FIXTURES AND CLEAN AND REPLACE BURNED OUT LAMPS AT SUBSTANTIAL COMPLETION

G46. ALL DISCONNECTS AND CIRCUIT BREAKERS SHALL BE

## **KEY NOTES:**

MARKED FOR IDENTIFICATION

MOUNT RECEPTACLE ABOVE COUNTER & BELOW BAR SURFACE

12 PROVIDE WEATHERPROOF DISCONNECT ON EXTERIOR OF BUILDING WALL FOR CONDENSING UNIT

13 CABLE AT THE 1ST FLOOR CEILING ELEVATION, TYP. FOR ALL LIGHTING CIRCUITS

14 PER SITE CONDITIONS. SEE CIVIL/SITE PLAN POWER FOR OVERHEAD DOOR OPENING.. EXACT LOCATION TO BE DETERMINED

### **ELECTICAL & LIGHTING LEGEND**

- 120V DUPLEX RECEPTACLE
- 120V DUPLEX RECEPTACLE, ONE SIDE SWITCHED
- 120V QUAD RECEPTACLE
- GFI FAULT INTERRUPTER

  120V DUPLEX RECEPTACLE WITH GROUND
- 240V APPLIANCE RECEPTACLE
- JUNCTION BOX
- DISCONNECT

  \$ SINGLE POLE SWITCH
- $\$_3$  THREE WAY SWITCH
- +44 DEVICE MOUNTING HEIGHT

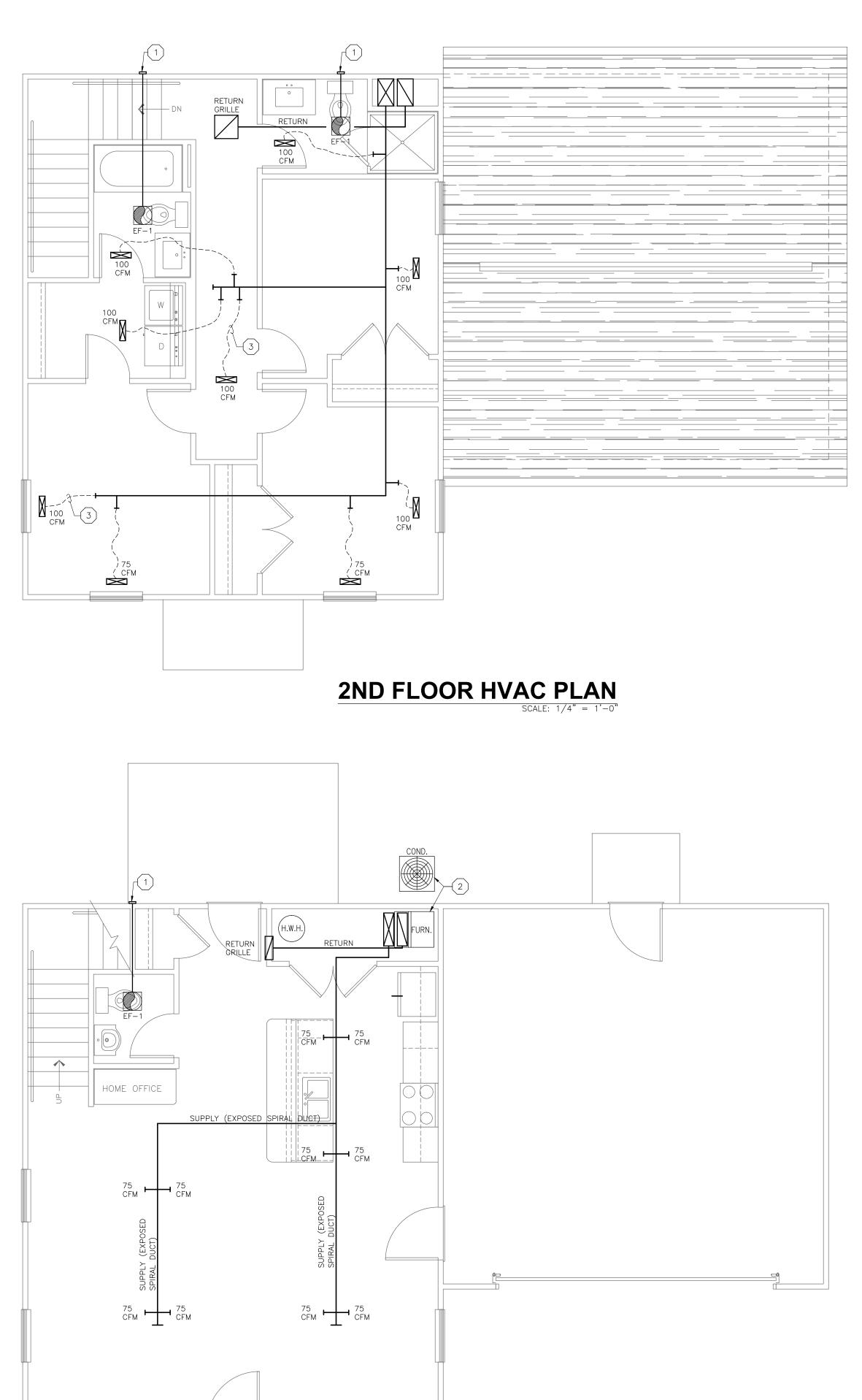
  WP DEVICE IN WEATHERPROOF ENCLOSURE OR BOX

ELECTRICAL PANEL, SIZE & TYPE AS NOTED

- TELEPHONE OUTLET
- RECESSED CAN LIGHT, AS SELECTED BY CONTRACTOR
- 2 BULB SURFACE MOUNTED LIGHT FIXTURE, AS SELECTED BY CONTRACTOR

### 75 CFM EXHAUST FAN/LIGHT. SEE HVAC PLANS FOR DUCTING

SD WALL MOUNTED SMOKE DETECTOR. POWERED FROM HOUSE CURRENT W/ BATTERY BACKUP



DUCT & DIFFUSER SIZES BY M.C.

**1ST FLOOR HVAC PLAN** 

### GENERAL NOTES:

#### HVAC

G1. MECHANICAL CONTRACTOR TO FURNISH ALL LABOR, MATERIAL & EQUIPMENT REQUIRED FOR THE COMPLETION & OPERATION ON ALL SYSTEMS IN THIS SECTION OF WORK. ALL WORK SHALL BE IN FULL ACCORDANCE WITH 2014 INDIANA MECHANICAL CODE (2012 INTERNATIONAL MECHANICAL CODE), INDIANA ENERGY CODE (ASHRAE 90.1-2007) PERTINENT STATE, COUNTY, CITY CODES AND ORDINANCES AND INDIANA AMENDMENTS, AND SHALL BE PERFORMED IN A GOOD WORKMANLIKE MANNER

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G2. INSTALL ALL GAS FIRED FURNACES IN STRICT
ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION
INSTRUCTIONS & NFPA 54

G3. GAS PIPING SHALL BE OF BLACK STEEL PIPE, ASTM 53 A105 OR A120, AND SCHEDULE 40. GAS PIPING IN CONTAC WITH THE GROUND SHALL BE COATED WITH FACTORY INSTALLED POLYETHYLENE TAPE, 20 MILS. GAS COCKS, 2" & SMALLER, SHALL BE 150 PSI W.O.G., BRONZE BODY. USE THREADED JOINTS & FITTING FOR 2" & SMALLER PIPE, WELDED JOINTS FOR LARGER PIPE. INSTALL GAS PIPING IN STRICT ACCORDANCE WITH NFPA 54, NATIONAL FUEL GAS CODE. DO NOT INSTALL GAS PIPING IN CONCEALED SPACES, WITHOUT APPROVAL OF GOVERNING AUTHORITY. INSTALL SHUT—OFF COCKS, SEDIMENT TRAPS, & UNIONS AT ALL EQUIPMENT ITEMS. BOND SYSTEM TO A GROUNDING ELECTRODE IN ACCORDANCE WITH NFPA 70.

G4. ALL PIPING, DUCTS, VENTS, ETC. EXTENDING THROUGH WALLS & ROOF SHALL BE FLASHED, COUNTER FLASHED IN WATERPROOF MANNER WITH LEAD ROOF JACK.

G5. ALL DUCTWORK INSULATION SHALL BE RUN CONTINUOUSLY THROUGH FLOORS, PARTITIONS.

G6. ALL PIPING & DUCTWORK LOCATIONS SHALL BE COORDINATED WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS, TO AVOID INTERFERENCE. COORDINATE WITH ALL OTHER TRADES PRIOR TO PURCHASING OR INSTALLING

QUIPMENT & MATERIALS. . METAL DUCTWORK SHALL COMPLY WITH SMACNA " HVAC JCT CONSTRUCTION STANDARDS, METAL & FLEXIBLE." COMPLY WITH ASHRAE HANDBOOK FOR INSTALLATION OF METAL DUCTWORK. ALSO COMPLY WITH NFPA 90A. ALL TRUN METAL DUCTWORK SHALL BE WRAPPED WITH 1-1/2" FOIL BACK INSULATION OR PROVIDE 1" FIBERGLASS DUCT BOARD WITH PROPER SUPPORTS OR INTERNAL LINING WITH 1" FIBERGLASS DUCT INSULATION. ALL SQUARE ELBOWS SHALL HAVE AIRFOIL TYPE TURNING VANES. PROVIDE VOLUME CONTROL DAMPERS AT ALL BRANCH DUCTS TO DIFFUSERS & A MAXIMUM OF 5 FEET ABOVE THE CEILING. ALL DUCTWORK SHALL BE GALV. SHEET METAL & SHALL BE CONSTRUCTED INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS. INDICATED DUCT SIZES ARE NET FREE AREA. FOR INTERNALI LINED DUCTS. INCREASE RECTANGULAR SHEET METAL DUCT SIZE BY TWO TIMES THE THICKNESS OF THE INSULATION.

G8. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 10'-0". AL FLEXIBLE DUCT SHALL CONFORM TO THE REQUIREMENTS OF U.L. 181 FOR CLASS 1 FLEXIBLE AIR DUCTS. SUPPORT TO ELIMINATE SAGGING & KINKING.

G9. SUPPORT DUCTS RIGIDLY WITH SUITABLE GALVANIZED TII & FASTENERS, & RUN IN NEAT STRAIGHT LINES, TIGHT TO

STRUCTURES OR WALLS. DO NOT OBSTRUCT USABLE SPACE. WHERE DUCTS PASS THROUGH WALLS, FLOORS, CEILINGS, ETC., PROVIDE FLANGES & APPROPRIATE SEALING METHODS TO APPEARANCE. PROVIDE FIRE STOPPING AS REQUIRED FOI FIRE RATED PENETRATIONS.

G10. ALL HVAC EQUIPMENT TO BE INSTALLED PER MFG. REQUIREMENTS AS SHOWN. UTILIZE FACTORY FILTERS DURING

CONSTRUCTION & REPLACE WITH REPLACEABLE MEDIA IN METAL FILTER FRAME JUST PRIOR TO TEST & BALANCE AT TIME BUILDING IS TURNED OVER. COORDINATE WITH OWNER.

G11. PROVIDE FLEXIBLE CONNECTIONS AT ALL EQUIPMENT F SOUND & VIBRATION ISOLATION

G12. INSTALL METALBESTOS DOUBLE LINED FLUE, SIZE AS RECOMMENDED BY MANUFACTURER, UP THROUGH ROOF. UNLESS A 90% EFFICIANT FURNACE IS USED, THEN PVC PIPING WILL BE RUN AS RECOMMENDED BY THE MANUFACTURER.

G13. MAINTAIN MINIMUN 10'-0" BETWEEN OUTDOOR AIR INTAKES & EXHAUST FAN DISCHARGE, PLUMBING VENT, ETC.

G14. INSTALL ACCESSORY ITEMS, SUCH AS THROUGH THE WALL UNITS, AIR CLEANERS, HUMIDIFIERS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS

FLOOR DRAINS

G16. THERMOSTAT WIRING AND LOCATION: THERMOSTAT MUST BE MOUNTED ON A VERTICAL VIBRATION—FREE SURFACE FRE FROM AIR CURRENTS AND IN ACCORDANCE WITH THE FURNISHED INSTRUCTION. MOUNT THE THERMOSTAT APPROXIMATELY 5 FEET (1.5M) ABOVE THE FLOOR AREA WHERE IT WILL BE EXPOSED TO A FREE CIRCULATION OF AVERAGE TEMPERATURE AIR, ALWAYS REFER TO THE THERMOSTAT INSTRUCTIONS AS WELL A UNIT WIRING DIGRAM

G15. PROVIDE & INSTALL ALL CONDENSATE DRAIN LINES O'

G17 MECHANICAL CONTRACTOR SHALL BALANCE SYSTEM TO WITHIN 10% OF AIR QUANTITIES INDICATED ON PLANS

G18. ALL CONTROL WIRING & CONDUIT SHALL COMPLY WITH

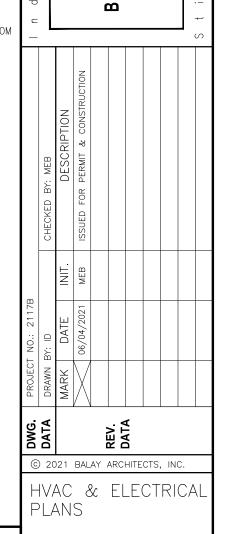
G19. PIPE & DUCT ROUTING SHOWN IS SCHEMATIC. HVAC CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS, INCLUDING DIVIDED DUCTS, REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AS ENCOUNTERE

G20. LIGHT FIXTURE LOCATIONS TAKE PRECEDENCE OVER DIFFUSER AND GRILLE LOCATIONS. LOCATE DIFFUSERS AND GRILLES TO ACCOMMODATE LIGHTING LAYOUT

## **KEY NOTES:**

AND WIRE ACCORDINGLY.

1 PROVIDE WALL JACK W/ BIRD SCREEN FOR BATHROOM EXHAUST FAN
2 3 TON ELECTRIC/100,000 BTU GAS FURNACE & CONDENSER UNIT. 1200 CFM MAX.
3 FLEX DUCT. TYPICAL



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| CONSTRUCTION

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