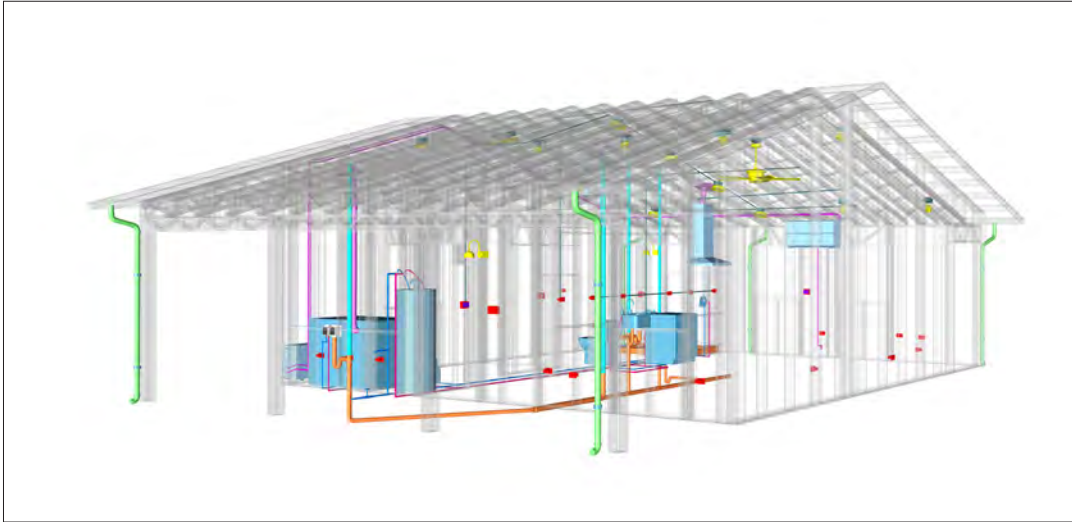
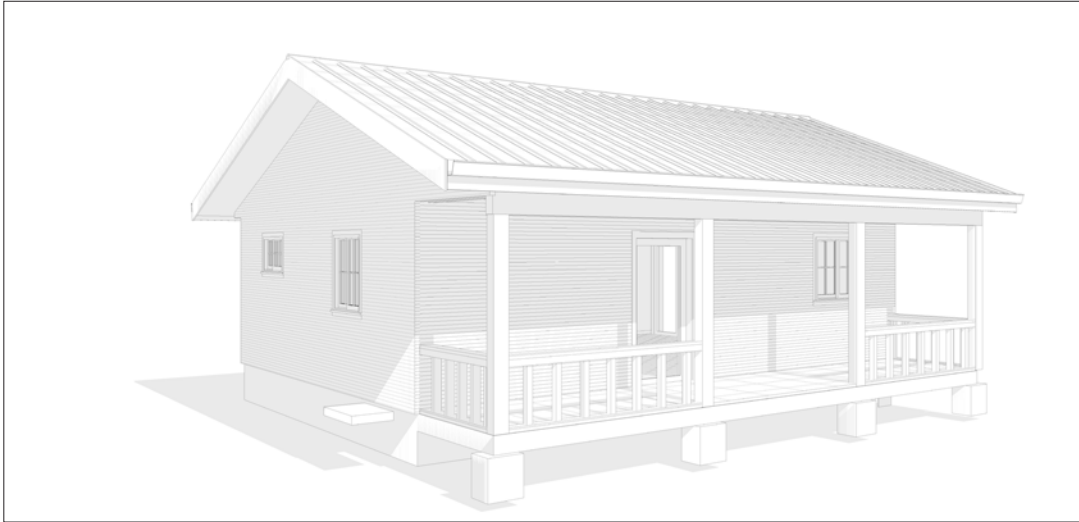
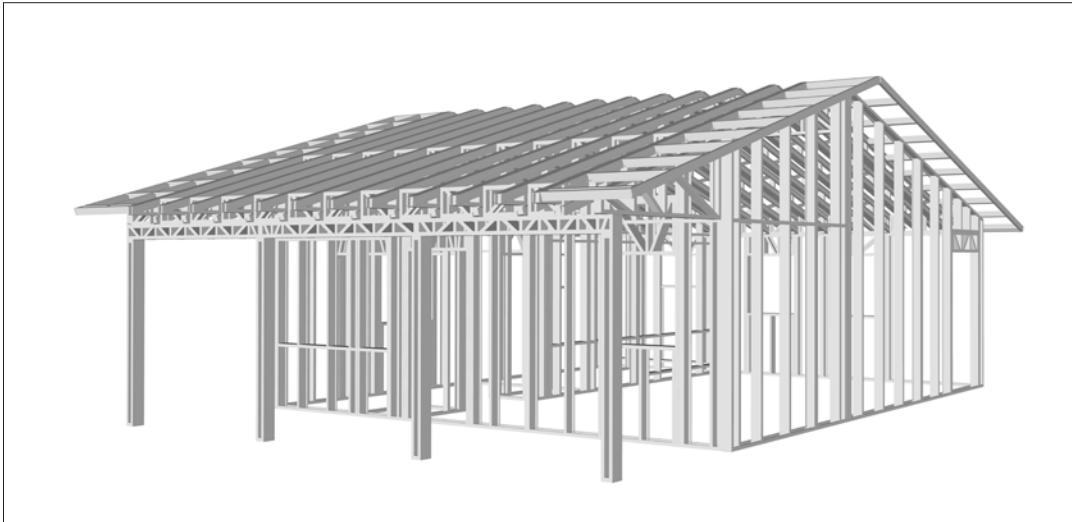
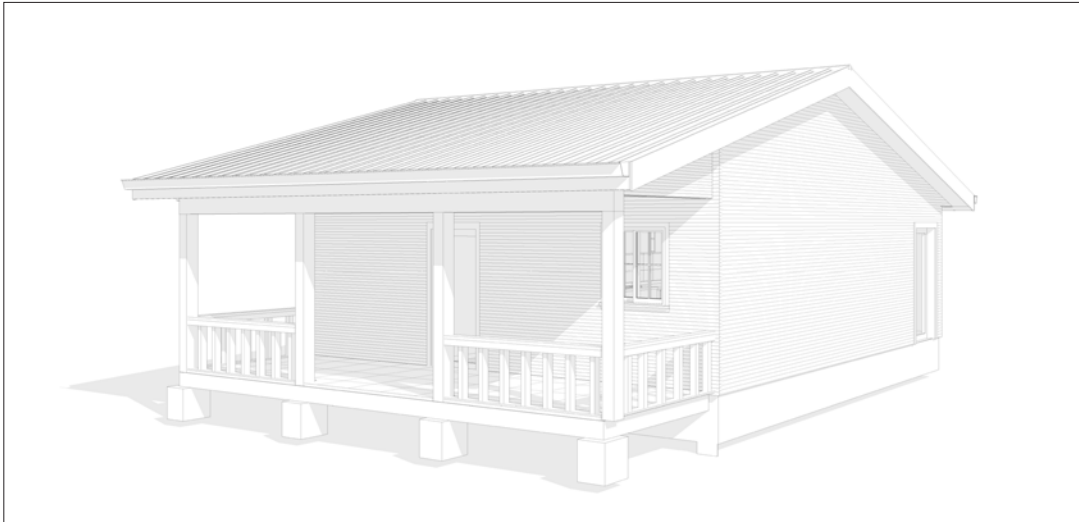




EMBER

The Ember is a charming Farmhouse-style studio home. Its exterior showcases walls are finished with horizontal siding in a light, neutral tone. A simple gable roof provides shelter while a covered porch extends from the main entrance, supported by slender white columns creating a welcoming entry way.

Inside, the Ember features a simple rectangular layout. The living and kitchen areas are merged into one large room at the center of the house, creating a spacious and versatile living space. Functional spaces, such as the bathroom and laundry, are conveniently located on one side of the plan.

Materials Shopping List

Please print and take this Materials Shopping List to your favorite Home Depot and ask for assistance in selecting the materials, fixtures and fittings to complete your new home.

Record your selection and the price of the item. Then do the math to determine the cost for your selections and the total cost of finishing your home.

< [CLICK HERE](#) >
To Go To Materials Shopping List



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ABOUT



FrameUpNow is a design and manufacturing company providing precision-engineered home framing solutions. We offer a catalog of Affordable Homes, Tiny Homes, Garages, Shops and Barndominiums. FrameUpNow manufactures cold-formed steel (CFS) also known as Light Gauge Steel (LGS) framing components that conform to our engineered metal house frame plans or can be purchased as DIY skeleton kits.

The CFS/LGS framing is lightweight, easily assembled, and does not require heavy equipment or specialized labor, enabling homeowners to erect the frame themselves in just a few days. Unlike wood, the steel framing is impervious termites and bores, warping, expansion, and fire.

Our home plans come complete with a structural engineered stamp for permit approvals. Customers receive a full BOM also known as a Materials Shopping List to purchase finish materials from a Building Materials retailer. FrameUpNow prides itself on the quality and efficiency of our precision-engineered home framing solutions for construction professionals and DIY homeowners.

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

**235-Ember-624-
Studio-
Farmhouse-Base-550**

DRAWING NAME

INTRODUCTION

CLIENT NAME:

PROJECT NUMBER:

DATE:

DESIGNED BY:

DRAWN BY:

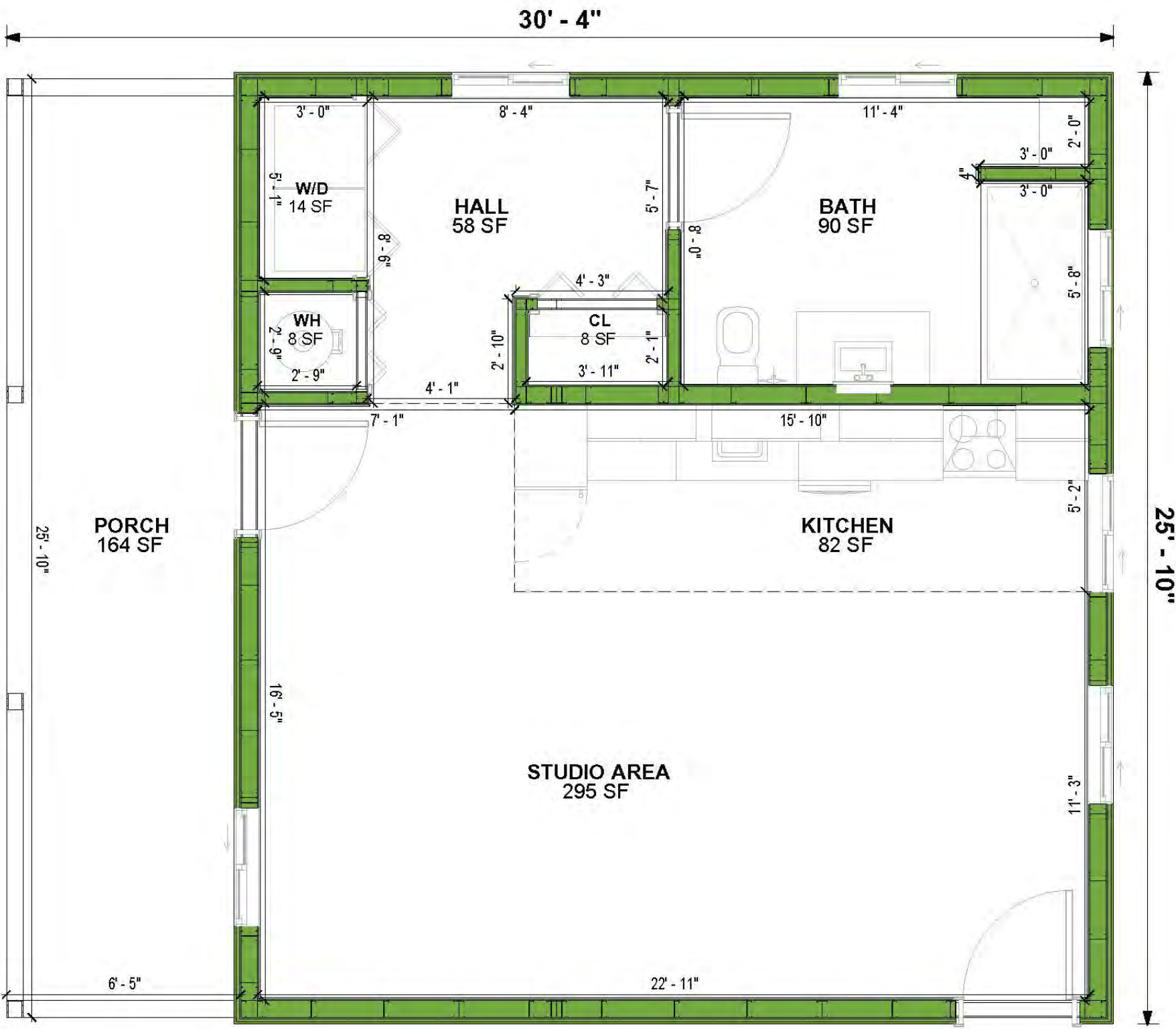
CHECKED BY:

DISCLAIMER

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FLOOR PLAN

- 624 SF
- Studio
- Covered Porch



OWNER

NAME	
EMAIL	
PHONE	

CONTRACTOR

NAME	
EMAIL	
PHONE	

SITE LOCATION

COUNTRY	
STATE	
ZIP CODE	

SITE INFORMATION

PARCEL I.D.	
SQ.FOOTAGE	

MINIMUM SETBACKS

FRONT	
SIDE	
REAR	

ZONING

--	--

CODES AND AMENDMENTS

CODE BOOK	
SNOW LOAD	
WIND SPEED	
SEISMIC DESIGN CATEGORY	
WEATHERING	
FROST LINE DEPTH	
TERMITE	
DECAY	
WINTER DESIGN TEMP	
FLOOD HAZARDS	

LINE LEGEND		
HIDDEN LINE	----	CUT LINE
ROOM SEPARATOR	----	CALL OUT BOUNDRY
DOOR OPENING DIRECTION	----	LEVEL
OVER HEAD	----	GROUND CUT

SYMBOLS	SYMBOLS NAME
	CALLOUT HEAD

	INTERIOR ELEVATION
--	--------------------

	BUILDING ELEVATION
--	--------------------

	SECTION
--	---------

	DETAIL VIEW
--	-------------

	ELEVATION LEVEL
--	-----------------

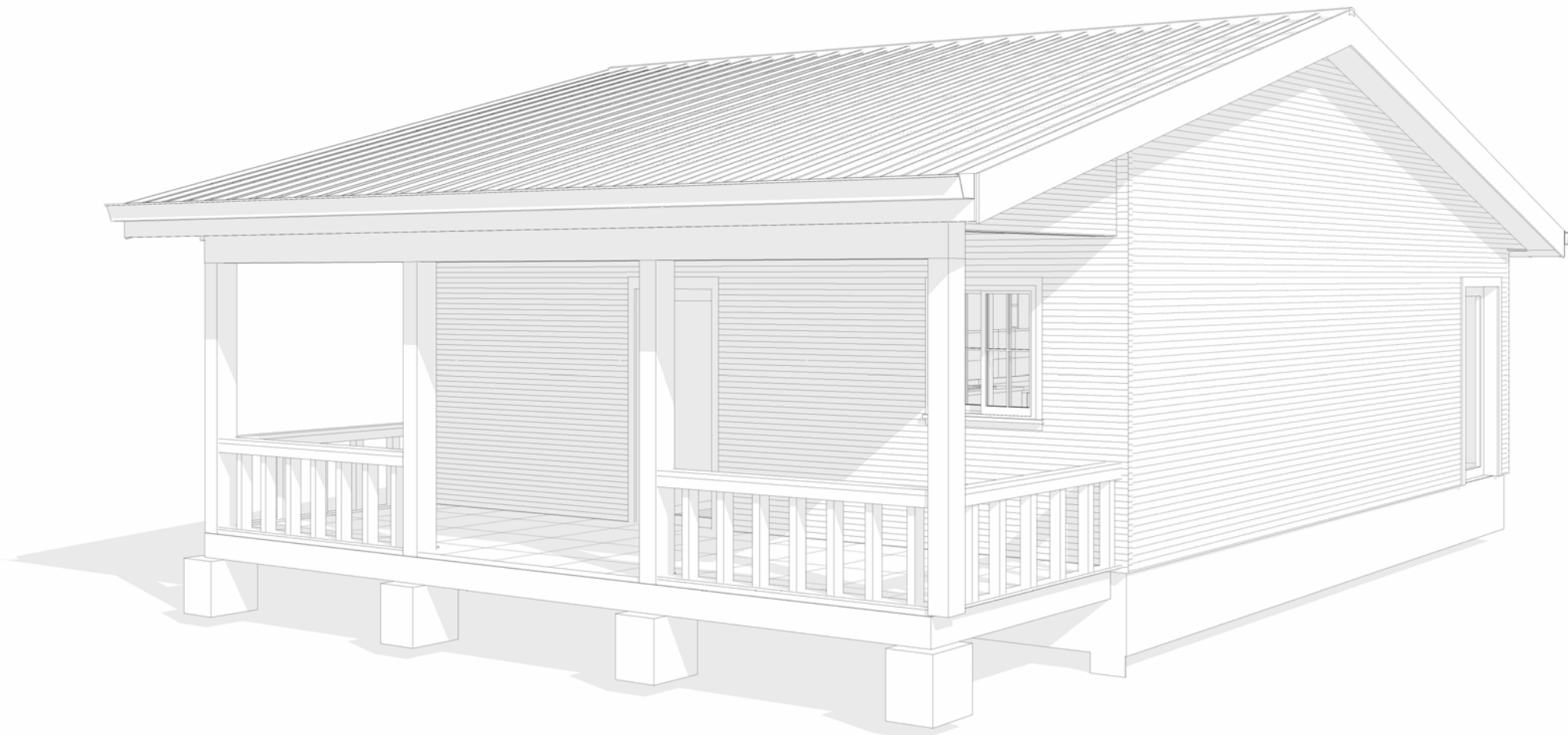
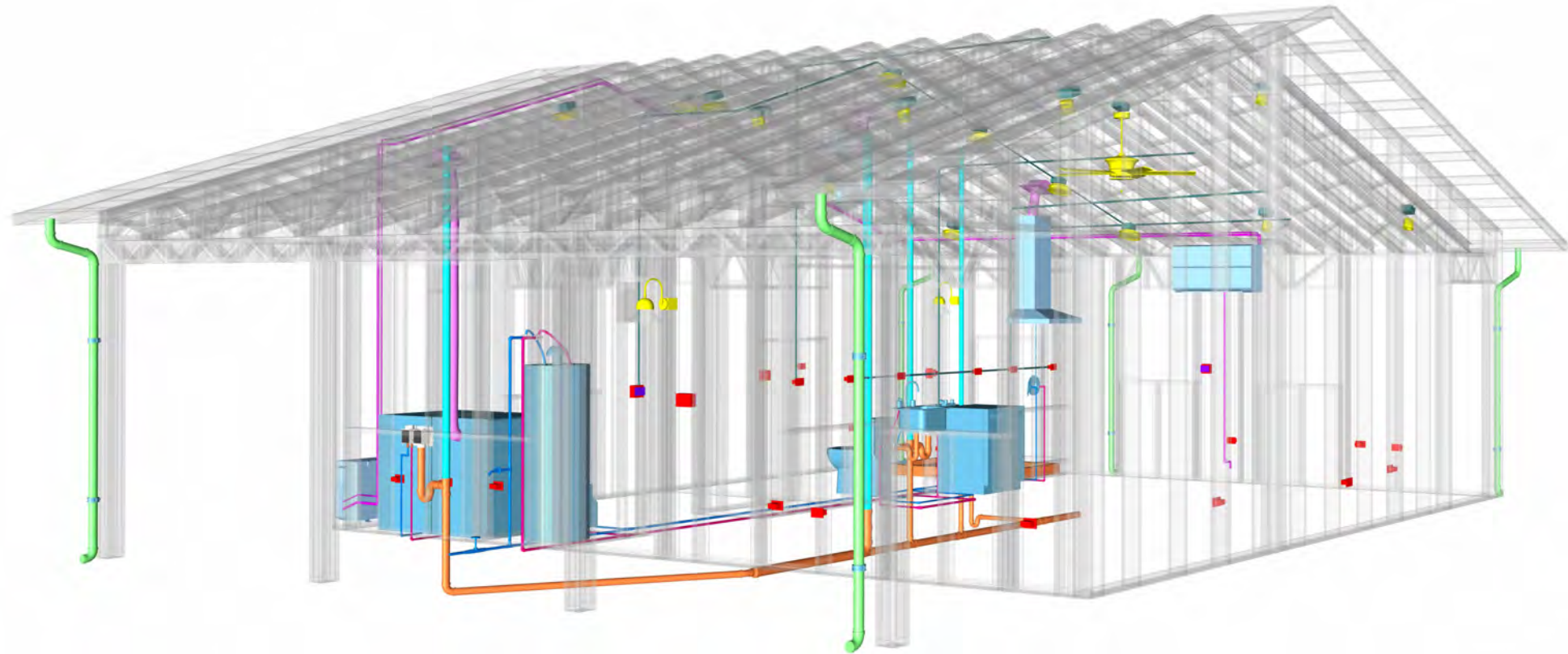
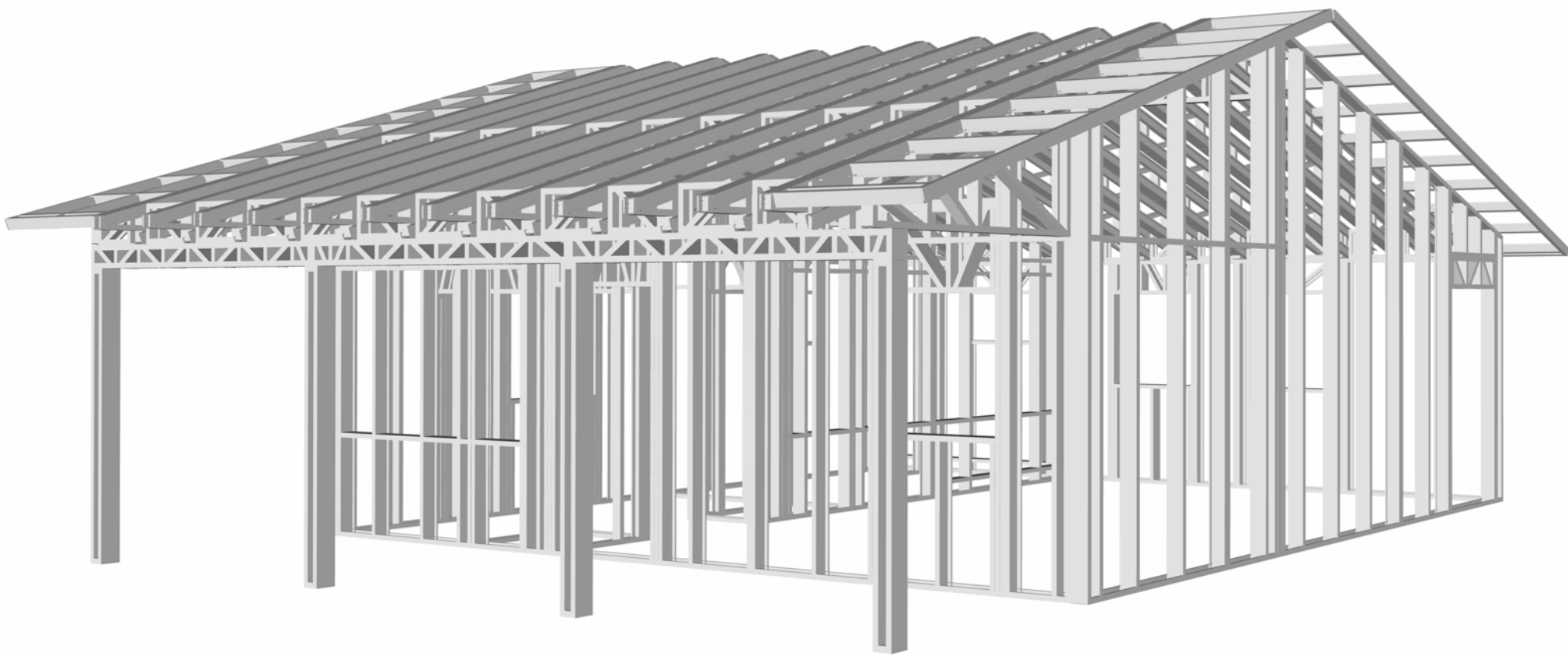
	SPOT ELEVATION
--	----------------

	FLOOR SLOPE
	ROOF SLOPE
	ROOF SLOPE ELEVATION

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TAG	TAG'S NAME
CA01	CASEWORK TAG
1	DOOR TAG
1	FURNITURE TAG
1	WINDOW TAG
SE01	SPECIALTY EQUIPMENT TAG
ME01	MECHANICAL EQUIPMENT TAG
PE01	PLUMBING EQUIPMENT TAG

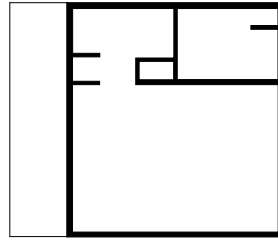
ABBREVIATION	
AFS	ACTION FLOOR SYSTEMS
ASTM D698	AMERICAN SOCIETY FOR TESTING AND MATERIAL
CA	CASEWORK
EL	ELECTRICAL
F.F.E	FINISHED FLOOR ELEVATION
F.F.L	FINISHED FLOOR LEVEL
FTG	FOOTINGS
HVAC	HEATING, VENTILATION & AIR CONDITIONING
IRC	INTERNATIONAL RESIDENCE CODE
IMC	INTERNATIONAL MECHANICAL CODE
MAX.	MAXIMUM
ME	MECHANICAL
MIN.	MINIMUM
NO.	NUMBER
O.C	ON CENTER
OSB	ORIENTED STRAND BOARD
PL	PLUMBING
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
REF	REFERENCE
RG	RIGHT GARAGE
SE	SPECIAL EQUIPMENT
SF	SQUARE FEET
SIMP. STHD8	SIMPSON STRAP THE HOLDDOWN
SIMP. ABE66	SIMPSON ANCHOR BOLT EDGE
TV	TELEVISION
UNO	UNLESS NOTED OTHERWISE
W/	WITH
W/D	WASHER/DRYER
AC	AIR CONDITIONING UNIT
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
AHU	AIR HANDLING UNIT
CC	COOLING COIL
CD	CEILING DIFFUSER
CFm	CUBIC FEET PER MINUTE
CR	CEILING REGISTER
CU	CONDENSING UNIT
CW	COLD WATER
E/A	EXHAUST AIR
EF	EXHAUST FAN
ET	EXPANSION TANK
EX.	EXISTING
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FLR.	FLOOR
HC	HEATING COIL
HE	AIR TO AIR HEAT EXCHANGER
HV	HEATING AND VENTILATING UNIT
IV	INLET VANES
MER	MECHANICAL ROOM
MAX.	MAXIMUM
MIN.	MINIMUM
R/A	RETURN AIR
RCU	RECIPROCATING CHILLER UNIT
RF	RETURN FAN
S/A	SUPPLY AIR
SCD	SMOKE CONTROL DAMPER
SP	STATIC PRESSURE



235-EMBER-624-STUDIO FARMHOUSE-BASE- 550

SQUARE FOOTAGE	
LIVING	624
PORCH	167
TOTAL	791

KEY PLAN



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO FARMHOUSE-BASE-550

DRAWING NAME

COVER SHEET

CLIENT NAME:	Client Name
PROJECT NUMBER:	0033_15
DATE:	6/6/2025 12:27:02 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

G101

SCALE: As indicated

GENERAL NOTES

- THIS DRAWING DEPICTS THE ARCHITECTURAL (SPACE LAYOUT, FURNISHING, FLOOR, WALLS, ROOFS, FOUNDATION, WINDOWS AND DOORS) SYSTEMS. IT PROVIDES A VISUAL REPRESENTATION OF THE ARCHITECTURAL LAYOUT AND COMPONENTS.
- THE ARCHITECTURAL DRAWINGS ARE PREPARED TO MEET THE SPECIFIC REQUIREMENTS OF THE BUILDING, AS PER THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS.
- THE CONSTRUCTION OF THIS HOME SHALL COMPLY WITH THE LATEST EDITION OF THE INTERNATIONAL RESIDENTIAL CODE (IRC), INTERNATIONAL MECHANICAL CODE (IMC), THE INTERNATIONAL PLUMBING STANDARD, THE NATIONAL ELECTRICAL STANDARD AND ALL OTHER APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND REGULATIONS.
- COORDINATION WITH OTHER TRADES HAS BEEN DONE ON A DESIGN LEVEL. THIS DRAWING SHALL BE READ TOGETHER WITH THE ME, EL AND PL DESIGN DRAWINGS TO ENSURE PROPER CONSTRUCTION AND INTEGRATION OF THE BUILDING SYSTEMS.

ABOUT WALLS:

- SHOWER WALL COVERING**
BATHTUB AND SHOWER SPACES (WALLS AND FLOORS) WITH INSTALLED SHOWER HEADS AND IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NON-ABSORBENT SURFACE.
- WALL PAINT (INTERNAL)**
THE TYPICAL THICKNESS OF LATEX WALL PAINT IS 1/32 OF AN INCH FOR A SINGLE COAT. AND DOUBLE COAT (1/16") SHALL BE APPLIED FOR DURABILITY.
- ADHESIVES:**
THE ADVISABLE TYPE OF ADHESIVE FOR THIS PROJECT IS **EPOXY ADHESIVES** BECAUSE THEY ARE KNOWN FOR THEIR HIGH STRENGTH, DURABILITY, AND RESISTANCE TO MOISTURE, CHEMICALS AND HEAT.

REFER TO SHEETS **A201** & **A202** FOR GENERAL NOTES ON EXTERNAL FINISHING MATERIALS

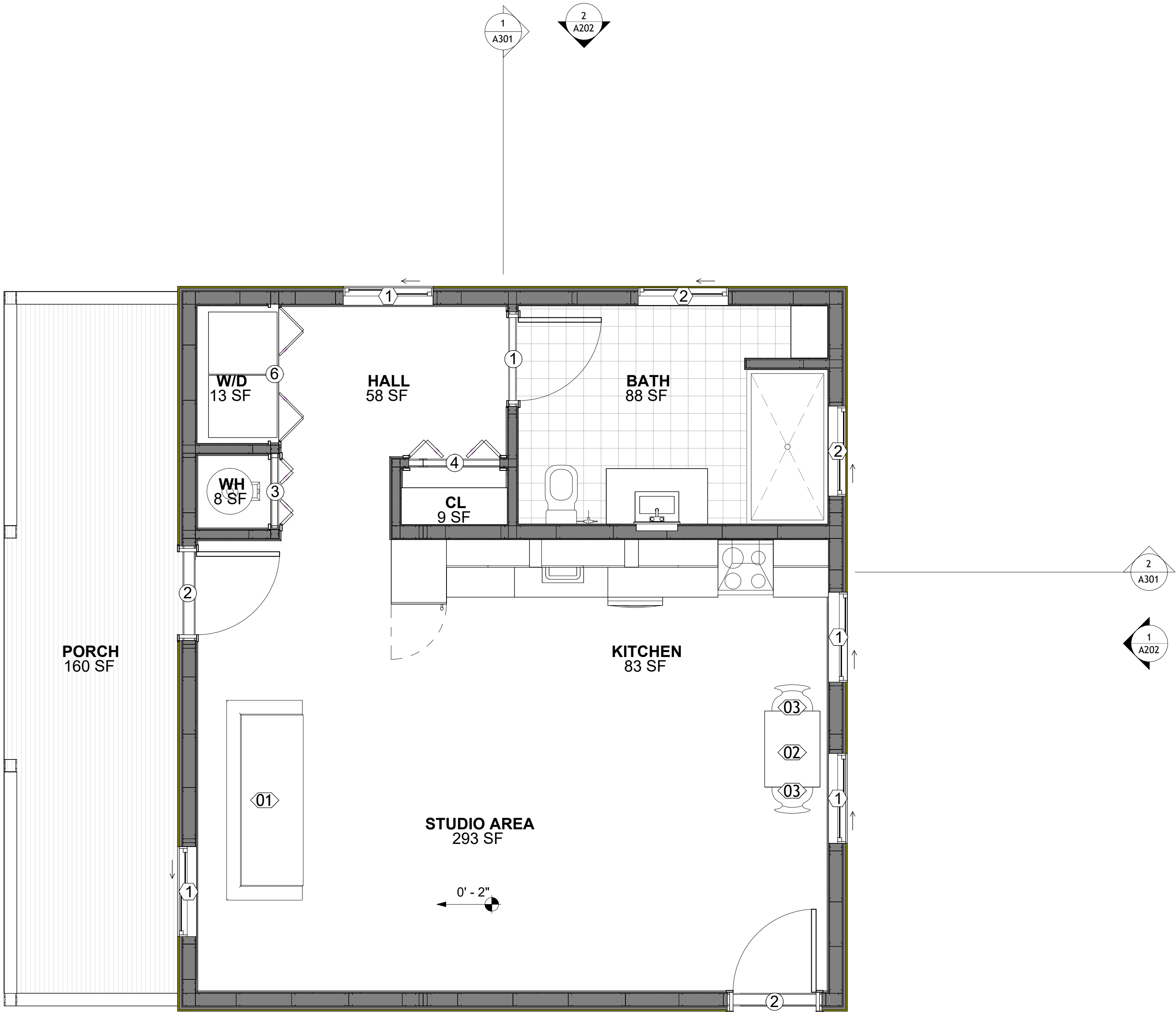
ABOUT FLOORS:

- THE SPOT ELEVATION INDICATES THE FINISHED FLOOR ELEVATION.
- FINISHED FLOORS PER PLANS.
- FIELD VERIFY FOR DIMENSION DROP 4" FOR SHOWER AND BATHTUB USE.
- 1% SLOPE ON OUTDOOR BALCONIES FOR WATER RUN OFF.
- 2% SLOPE TOWARDS THE SHOWER DRAIN FOR SUFFICIENT DRAINAGE.
- 4" DROP AT THE DOOR LEADING TO EXTERIOR BALCONY FROM THE MAIN LIVING AREA.
- 5% SLOPE FOR GARAGE IS USED, WHICH SHOULD BE CHECKED WITH THE LOCAL GARAGING ZONING LAWS.

FURNITURE SCHEDULE			
TYPE MARK	TYPE	COUNT	
01	THREE SEAT SOFA	1	
02	25" X 60" DINING 2	1	
03	DINING CHAIR	2	

ROOM FINISH SCHEDULE							
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	CEILING HEIGHT	COMMENTS
01	STUDIO AREA	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
02	KITCHEN	HARDWOOD	CONCRETE	WALL PAINT + CERAMIC	DRY WALL	8' - 0"	
03	BATH	VINYL TILES	CONCRETE	CERAMIC TILE	MRD	8' - 0"	
04	HALL	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
05	CL	HARDWOOD	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
06	W/D	VINYL TILES	CONCRETE	CERAMIC TILE	DRY WALL	8' - 0"	
07	WH	VINYL TILES	CONCRETE	WALL PAINT	DRY WALL	8' - 0"	
09	PORCH	PROCELAIN TILE	CONCRETE	EXTERIOR-GRADE PLYWOOD	PLYWOOD	8' - 0"	

SQUARE FOOTAGE	
LIVING	624
PORCH	167
TOTAL	791



1 FLOOR PLAN
3/8" = 1'-0"

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

DRAWING NAME

FLOOR PLAN

CLIENT NAME:	Client Name
PROJECT NUMBER:	0033_15
DATE:	6/6/2025 12:27:02 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A101

SCALE: As indicated

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

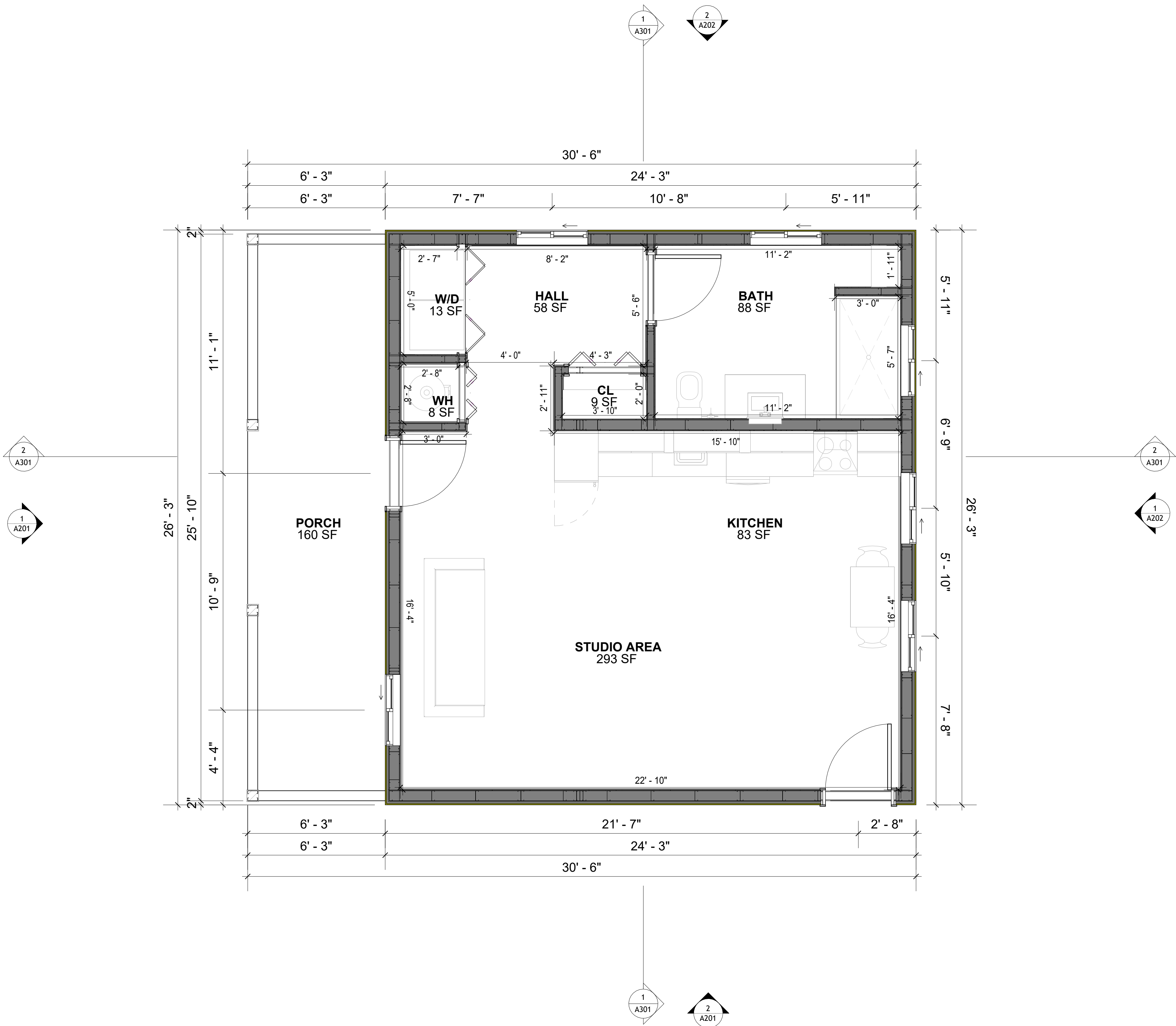
DRAWING NAME

DIMENSION PLAN

CLIENT NAME:	Client Name
PROJECT NUMBER:	0033_15
DATE:	6/6/2025 12:27:03 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A102

SCALE: 3/8" = 1'-0"



1 DIMENSION PLAN
3/8" = 1'-0"

DIMENSIONS IN THE ARCHITECTURAL DRAWINGS CONSIDER FINISHING MATERIALS. FOR PRECISE MEASUREMENTS OF THE STRUCTURAL FRAMING, REFER TO THE ATTACHED STRUCTURAL PLAN SET.

SQUARE FOOTAGE	
LIVING	624
PORCH	167
TOTAL	791

FOUNDATION NOTES

NOTES:
TERMITES PRETREATMENT BY LICENSED CONTRACTOR UNDER SLAB AND AROUND FOOTINGS.
ALL AREAS BELOW SLABS SHALL BE TREATED NO MORE THAN 24 HOURS PRIOR TO CONCRETE POUR. EVIDENCE OF TREATMENT MUST BE PROVIDED PRIOR TO PLACING OF CONCRETE.

1. **MATERIALS:**
ALL INTERIOR CONCRETE SLABS SHALL BE A MIN. OF 4" THICK CONCRETE OVER 4" COMPACTED AGGREGATE BASE (ASTM D698), FINISH ELEVATIONS AS NOTED ON DRAWINGS, 6" ABOVE ADJACENT GRADE, LEVEL SLABS TO 1/8"-10' MAX.. CONCRETE SLABS SHALL BE 2500# PSI AT 28 DAYS. A 4" ALLOWABLE SLUMP.

2. **PAD PREPARATION:**
- EXCAVATION FOR FOOTING SHALL BE NEAT.
- FOOTINGS SHALL BE POURED IMMEDIATELY AFTER EXCAVATION AND APPROPRIATE INSPECTION.
- ALL REINFORCING STEEL MARKED "CONTINUOUS" SHALL BE LAPPED 36 BAR DIAMETERS AT SPLICES AND AROUND CORNERS OR INTERSECTIONS WITH A STANDARD 90 DEGREE BEND ON CORNER BARS. LAP WIRE MESH ONE FULL MESH AT SIDE AND END LAPS.
- ALL HARDWARE TO BE SIMPSON OR EQUIVALENT.
- EXTERIOR FRAME WALL TO BE SECURED WITH 1/2"x10" ANCHOR BOLTS 4'-0" O.C. FOR 1-STORY AND 2'-8" O.C. FOR 2-STORY. BOLTS SHALL BE LOCATED WITHIN 1'-0" OF EACH END PIECE AND SHALL HAVE A MIN. OF TWO BOLTS PER PIECE.
-FOUNDATION ANCHOR STRAPS SHALL BE PERMITTED,ACCORDING TO RESIDENTIAL CODE 2021
- ALL INTERIOR WALLS TO BE SECURED WITH POWER DRIVEN PINS PER MANUFACTURER SPECIFICATION USE PIN SPACING EQUIVALENT TO 1/2" ANCHOR BOLTS.
- ALL CONSTRUCTION TO CONFORM TO THE 2012 IRC
- R-10 RIGID INSULATION OUTSIDE OF EXTERIOR FOUNDATION WALLS UNDER LIVING AREA.
- CONCRETE PAD FOR CONDENSER THICKNESS IS 4" MIN UNLESS OTHERWISE NOTED.

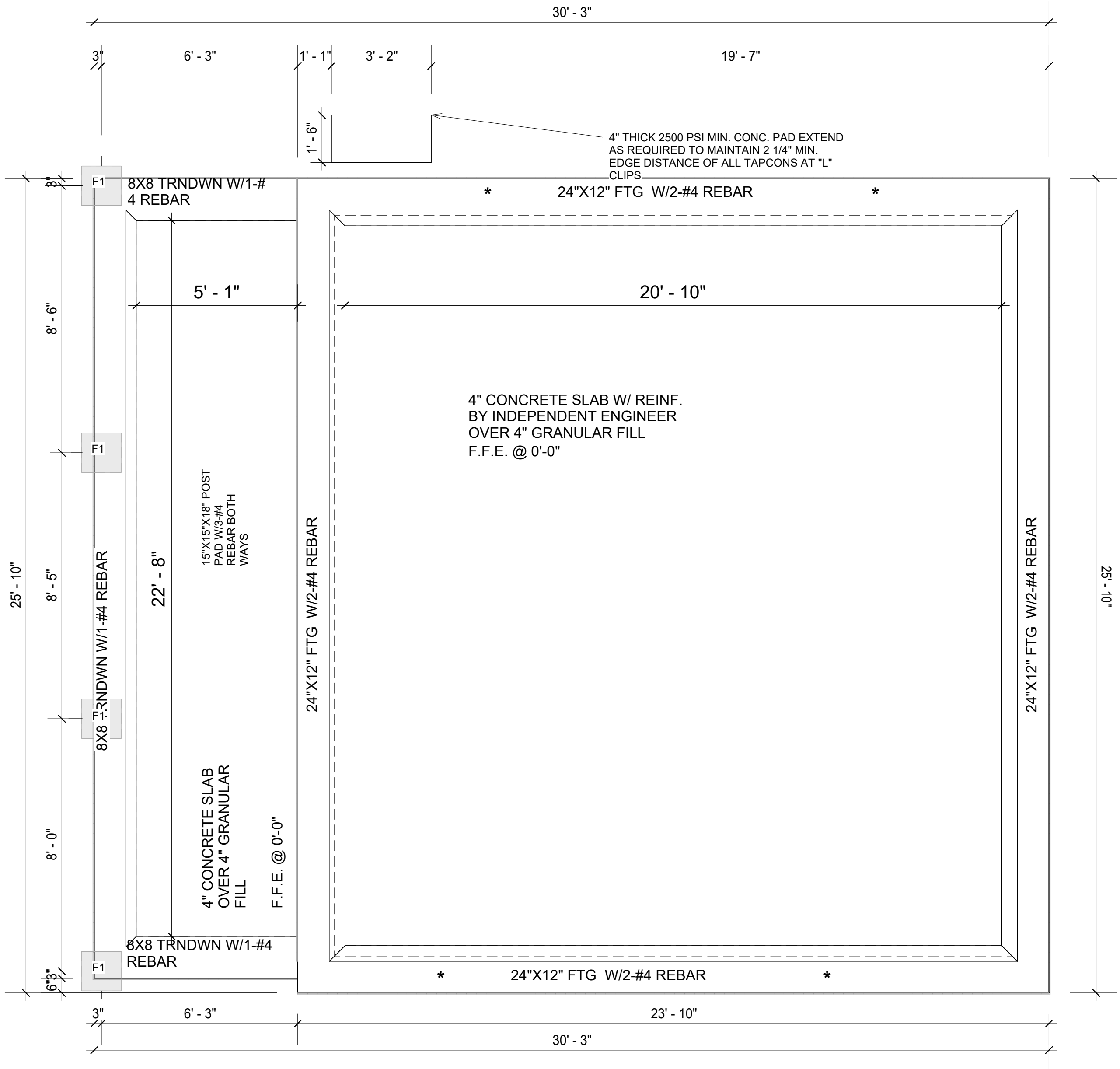
3. **CONCRETE CONSTRUCTION:**
- THE SLAB SHALL BE UNDERLAIN BY A VAPOR BARRIER/RETARDER IN THE LIVING AREA (TYPICALLY POLYETHYLENE, UNLESS MORE STRINGENT PROTECTION REQUIRED BY THE ARCHITECT, ENGINEER, FLOOR COVERING MANUFACTURER, OR ACCEPTED PRACTICE). UNLESS OTHERWISE REQUIRED, BARRIER MAY BE OMITTED AT GARAGES, PORCHES AND PATIOS WITHOUT FLOOR COVERINGS. IT IS BEYOND THE SCOPE OF THESE PLANS TO DETERMINE THE APPLICABILITY OF THESE MORE STRINGENT REQUIREMENTS. BUILDER SHALL VERIFY PRIOR TO CONSTRUCTION.

4. **REINFORCEMENT :**
- IF CONSTRUCTED ON ACTIVE SOILS, THE LONG TERM PERFORMANCE OF THE FOUNDATION IS DEPENDENT ON MAINTENANCE BY THE OWNER. THUS THE BUILDER SHALL ADVISE THE OWNER OF THE FOLLOWING:
1. DRAINAGE MUST BE MAINTAINED. WATER SHALL NEVER BE ALLOWED TO POND NEAR THE FOUNDATION.
2. THE SOIL AROUND THE FOUNDATION SHALL BE MAINTAINED IN A RELATIVELY DAMP CONDITION,SUCH AS THAT REQUIRED TO KEEP A LAWN GREEN. IF IT DRIES OUT IT WILL SHRINK. IF IT GETS WET, IT WILL HEAVE UPWARD.
3. SLABS ON THE SHORTER SIDE USES MAIN BARS ARE USED IN THIS DIRECTION ONLY WITH SMALLER DIAMETER DISTRIBUTION BARS ARE PLACED, FORMING A MAT OR GRID.
4. ALL REINFORCEMENT BARS SIZE 10MM OR LARGER IN ACCORDANCE TO ASTM
3. ANCHOR BOLTS AT ALL EXTERIOR WALLS SHALL BE MINIMUM 1/2 INCH DIAMETER WITH A MAXIMUM SPACING OF 6'-0" ON CENTER, UNLESS NOTED OTHERWISE.
4. ANCHOR BOLTS SHALL BE INSTALLED WITHIN 12 INCHES OF EACH END OF EACH SILL PLATE WITH AT LEAST TWO ANCHOR BOLTS FOR EACH BOLTS FOR EACH SILL PLATE LONGER THAN 12 INCHES.
5. SIMPSONS SILL ANCHORS MAYBE SUBSTITUTED FOR ANCHOR BOLTS AT THE SAME SPACING.
6. EXTERIOR CONCRETE SLABS WHICH ARE NOT PART OF THE MAIN SLAB SHALL BE MINIMUM 4 INCHES THICK WITH NO STEEL REINFORCING BARS REQUIRED, UNLESS NOTED OTHERWISE ON FOUNDATION PLAN.

VERIFY THE FOLLOWING PRIOR TO POURING:

- ALL HOLDDOWNS , STRAP, AND POST LOCATIONS.
- CONCRETE FINISHES. PANEL RISER LOCATION - WHERE APPLICABLE.
- UNDERSLAB MECHANICAL REQUIREMENTS.
- STEM WALL BLOCKOUTS.
- UNDERSLAB ELECTRICAL REQUIREMENTS AND PANEL RISER LOCATION. WHERE APPLICABLE.
- PROVIDE THE FOLLOWING:
 - PVC SLEEVES THROUGH FTG IF REQUIRED
 - 20' #4 COPPER GROUND BAR.
- SLOPE FINISH GRADE AWAY FROM FOOTING.

NOTE: FIELD VERIFY ALL DIMENSIONS SEE DIMENSIONED ARCHITECTURAL DRAWINGS



1 FOUNDATION PLAN
3/8" = 1'-0"

SQUARE FOOTAGE	
LIVING	624
PORCH	167
TOTAL	791

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

DRAWING NAME

FOUNDATION PLAN

CLIENT NAME:	Client Name
PROJECT NUMBER:	0033_15
DATE:	6/6/2025 12:27:03 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

S101

SCALE: 3/8" = 1'-0"

GENERAL NOTES

NOTES:
-ALL BEARING WALLS SHOULD HAVE A THICKENED SLAB PER SECTION PER DETAIL A401/5.

A) FOUNDATION PLAN NOTES:

1. CONCRETE SLAB SHALL BE 6" THICK WITH 1/2" DIAMETER TENDONS PER LAYOUT PLAN, CENTERED IN SLAB THICKNESS, OVER APPROVED SUBBASE PER GENERAL STRUCTURE NOTES.
2. TERMITE PROTECTION SHALL BE PROVIDED PER IRC SECTION R318.1
3. NONE TYPICAL ANCHOR BOLT SPACING AT SHEAR WALL AND HOLD DOWN SPECIFICATIONS PER APPROVED ARCHITECTURAL PLANS.
4. INSTALL HOLDDOWNS BEFORE CONCRETE SLAB POUR.
5. EXISTING FILL ON-SITE SHALL BE COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS IN THE GEOTECHNICAL REPORT.
6. ALL FLOOR SLABS ARE REINFORCED ON CONCRETE SLABS.

SPECIAL INSPECTION IS REQUIRED FOR THICKENED FOUNDATION CONSTRUCTION

1. REINFORCEMENT
2. 2300 PSI CONCRETE POUR

B) REINFORCEMENT FOR CONCRETE:

1. ALL REINFORCING SLABS BARS SIZE 10MM OR LARGER SHALL BE DEFORMED IN ACCORDANCE TO ASTM-A706, AND BARS SMALLER THAN 10 MM MAYBE PLAIN.
2. UNLESS OTHERWISE NOTED IN PLANS, THE YIELD STRENGTH OF REINFORCING BARS SHALL BE:

- A) FOOTING = 40,000 PSI
B) NON-LOAD BEARING WALLS AND PARAPETS= 40,000 PSI

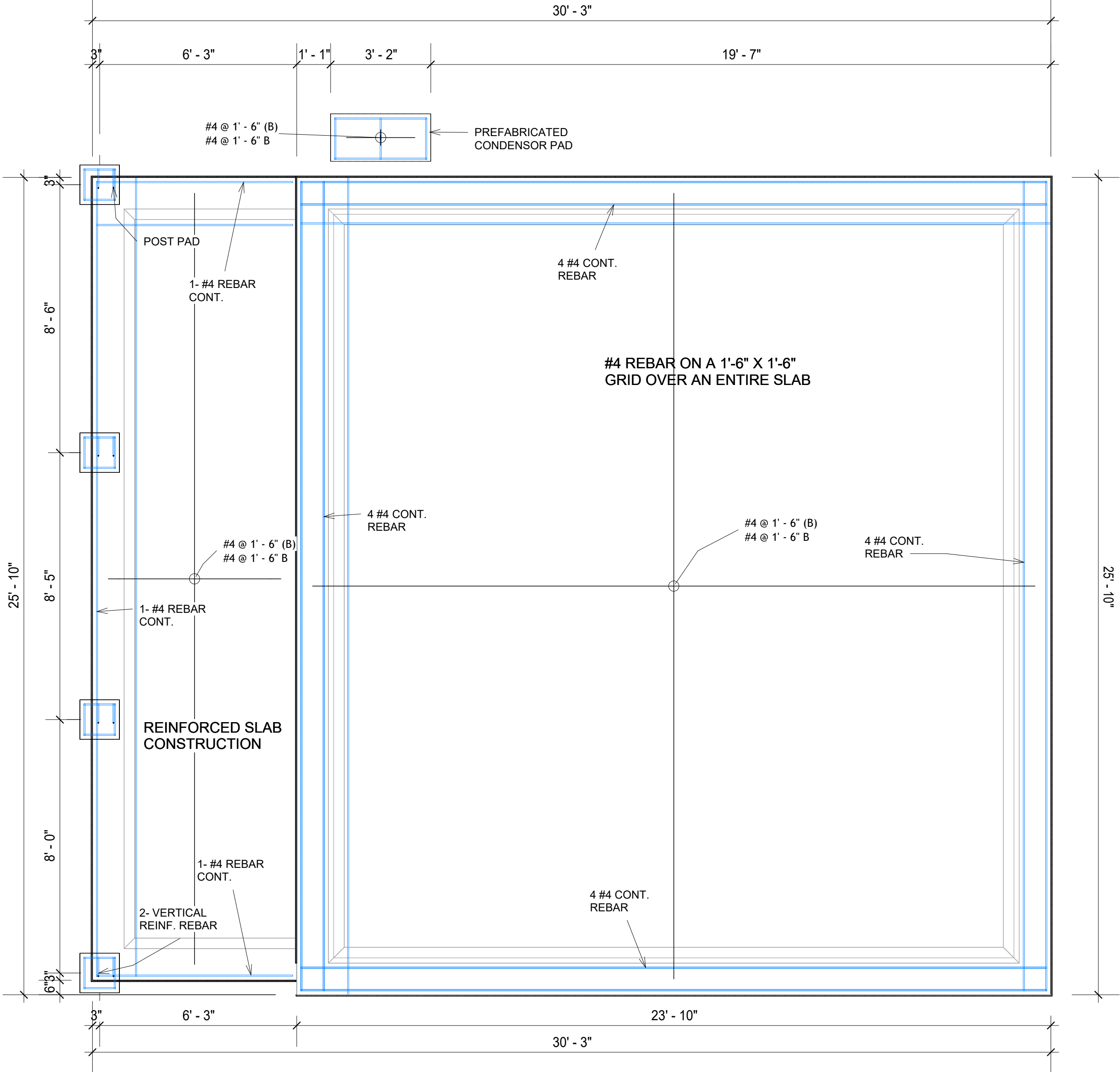
3. SPLICES SHALL BE SECURELY WIRED TOGETHER AND SHALL LAP OR EXTEND
4. GRADE OF STEEL FOR RCC WORKS SHALL BE GRADE 4 10.
5. BAR NOTATIONS GIVES INFORMATION
A) BAR SIZE
B) SPACING(IF REQUIRED)
6. LAP REINFORCEMENT ONLY AT LOCATION SHOWN IN THE DRAWINGS
7. REINFORCEMENT SHALL NOT BE CUT, VENT OR HEATED ON SITE WITHOUT ENGINEERS' APPROVAL.

C) CONCRETE SLAB NOTES

1. ALL SLAB REINFORCEMENT SHALL BE 20MM CLEAR MINIMUM FROM BOTTOM AND FROM TOP OF SLAB.
2. REINFORCEMENT IN CONTINUOUS ELEVATED SLAB SHALL BE CUT AS FOLLOWS.

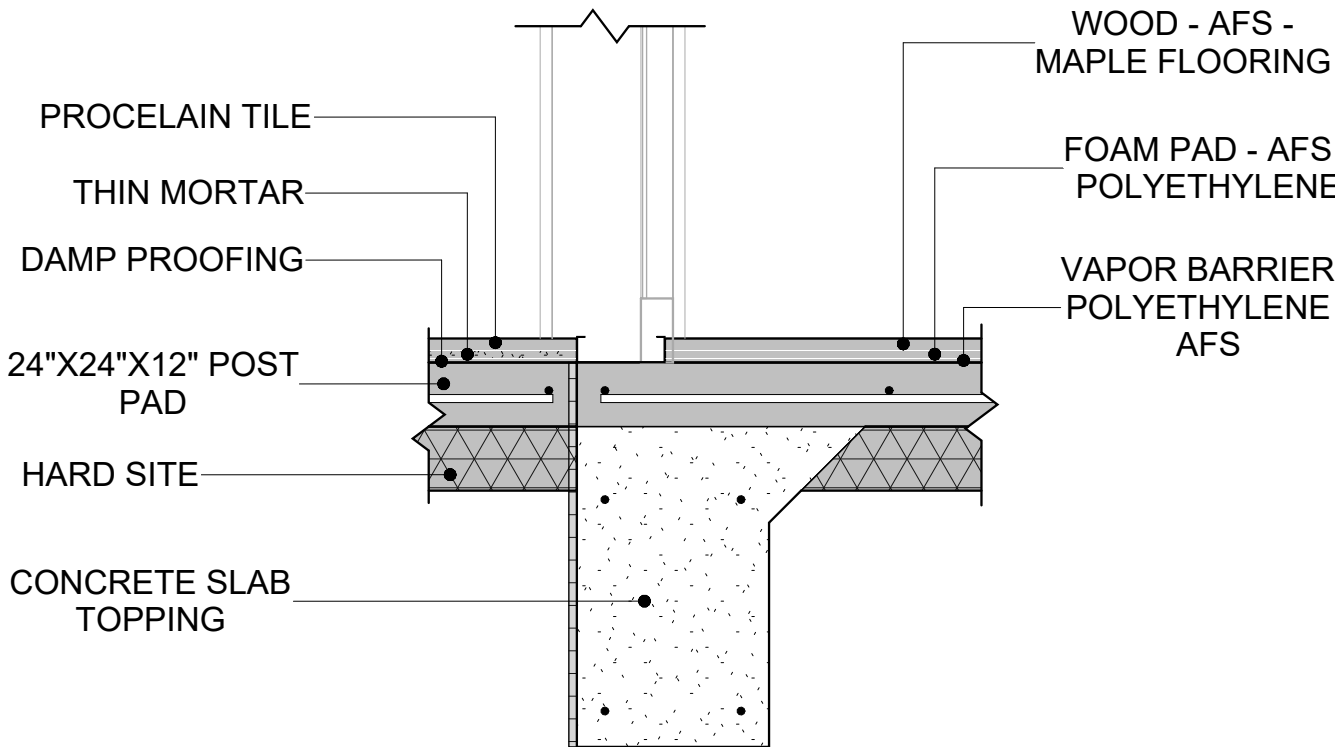
NOTE:

- THIS IS A SCHEMATIC PLAN FOR THE PURPOSE OF LOCATING AND IDENTIFYING FOUNDATION REINFORCING ELEMENTS ONLY. VERIFY ALL DIMENSIONS, DROPS, OFFSETS AND FEATURES WITH THE ARCHITECTURAL PLANS BEFORE FORMING THE FOUNDATION.

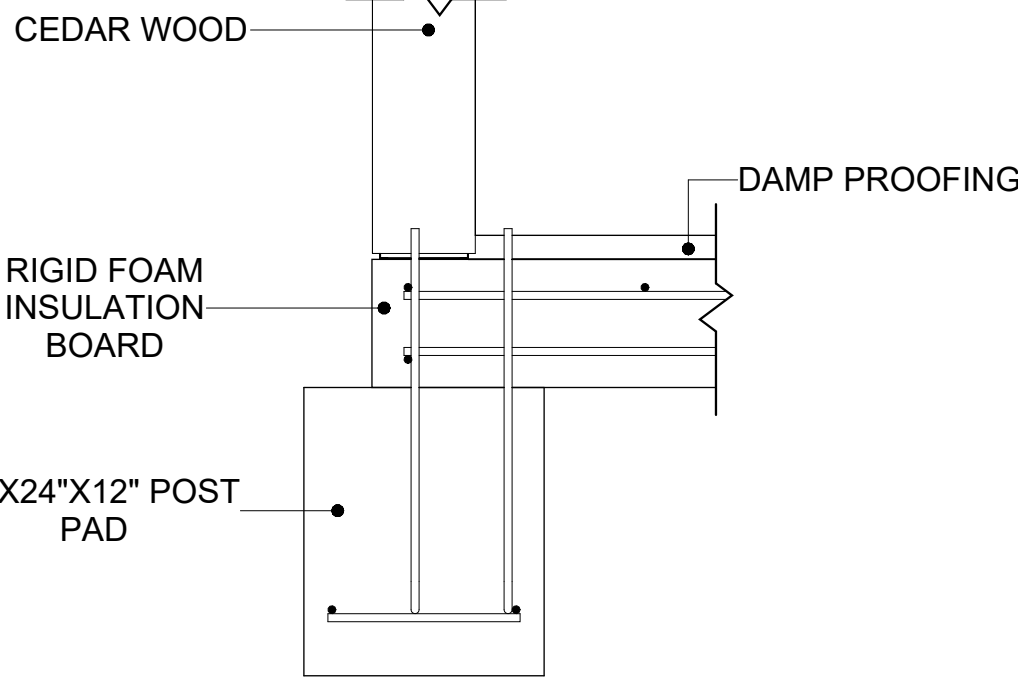


1 FOUNDATION REBAR PLAN
3/8" = 1'-0"

#4-REBAR ON A 2'-0" X 2'-0" GRID
SLAB ON GRADE FOUNDATION



2 TYPICAL WALL FTG DETAIL
1" = 1'-0"



3 TURNDOWN/POST PAD
1" = 1'-0"

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

DRAWING NAME

STRUCTURAL FLOOR PLAN

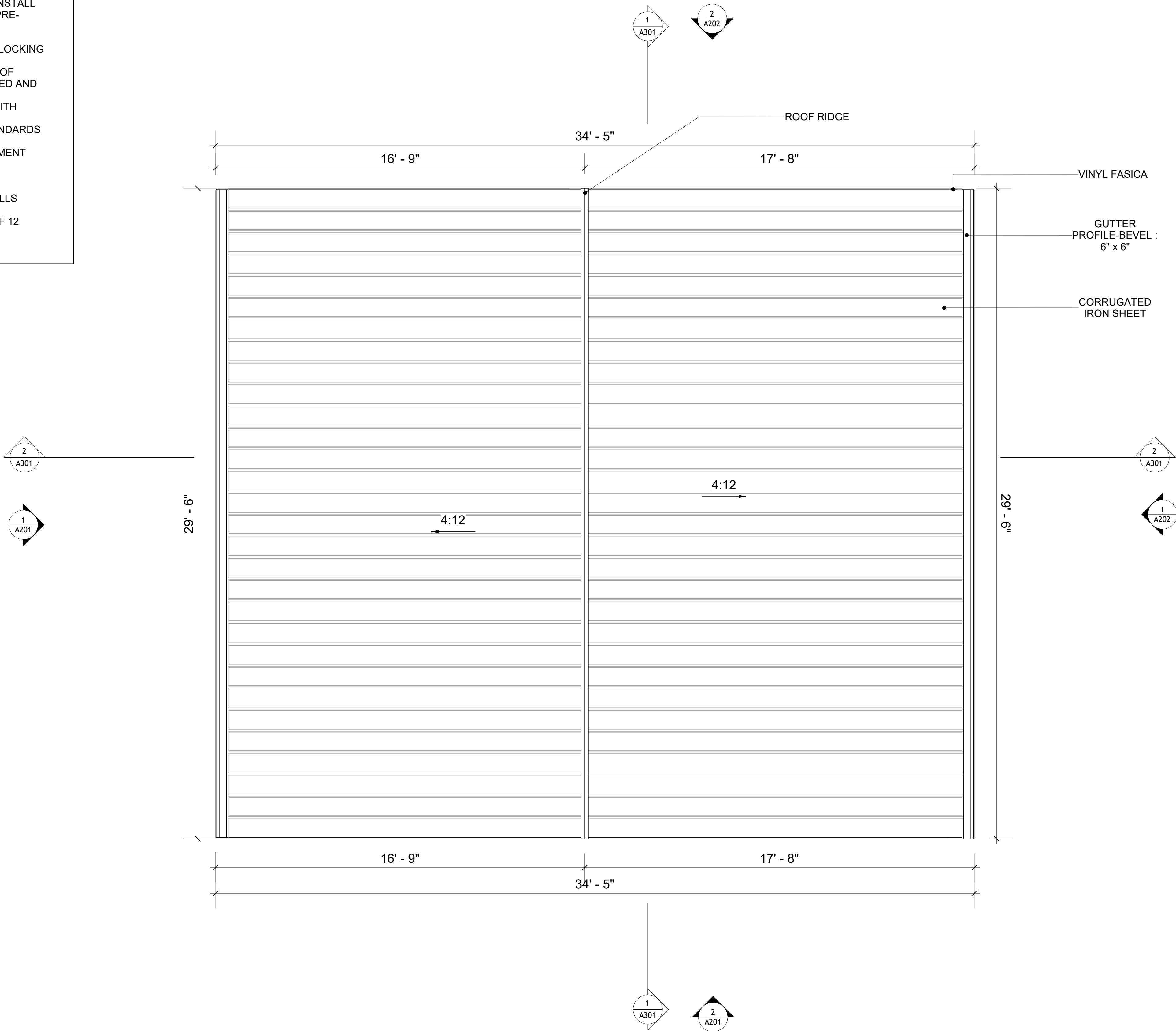
CLIENT NAME:	Client Name
PROJECT NUMBER:	0033_15
DATE:	6/6/2025 12:27:04 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

S102

SCALE: As indicated

ROOF NOTES

1. ROOFING COMPOSITION ROOFING PER OWNERS/BUILDERS SPECIFICATIONS INSTALL PER MANUFACTURE SPECIFICATIONS ON 1/2" ORIENTED STRAND BOARD ON PRE-ENGINEERED TRUSS @ 24" O.C. (UNO.)
2. 73" OVERHANG AT EAVES (UNO.)
3. ENDS OF ALL TRUSSES AND JOISTS TO BE FULLY BLOCKED. PROVIDE SOLID BLOCKING AT ALL RIDGES AND VALLEYS
4. SHEATHING TO BE 1/2", 3/8" OSB SHEAR PANEL AND EQUIVALENT. UNDERSIDE OF PORCH TRUSSES TO BE FINISHED WITH MOISTURE RESISTANT DRYWALL, TAPED AND TEXTURED.
5. EXPOSED EAVES AND OTHER WEATHER EXPOSED AREAS TO BE SHEATHED WITH EXTERIOR GRADE PLYWOOD.
6. ALL MATERIALS THICKNESS AND SIZE ARE THE MINIMUM. Refer TO LOCAL STANDARDS FOR ACTUAL THICKNESS AND LAYERING OF MATERIALS.
7. ENGINEERED TRUSS CALCULATIONS TO BE SUBMITTED TO BUILDING DEPARTMENT PRIOR TO FABRICATION AND INSTALLATION.
8. TRUSS MANUFACTURER TO SPECIFY HANGER CONNECTORS FOR TRUSS COMPONENTS (TYPICAL)
9. DESIGNER ASSUMES THAT TRUSSES BEAR ON ALL EXTERIOR PERIMETER WALLS (TYPICAL) OR BEAMS.
10. PROVIDE GALVANIZED STEEL FLASHING WITH A LENGTH OF 10 FEET, WIDTH OF 12 INCHES, AND THICKNESS OF 24 GAUGE.



1 ROOF PLAN
3/8" = 1'-0"

SQUARE FOOTAGE	
LIVING	624
PORCH	167
TOTAL	791

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

DRAWING NAME

ROOF PLAN

CLIENT NAME:	Client Name
PROJECT NUMBER:	0033_15
DATE:	6/6/2025 12:27:06 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A103

SCALE: As indicated

ABOUT WALL FINISHING

PLYWOOD WALL SIDING

WALL SIDING IS AN EXTERIOR CLADDING MATERIAL USED TO COVER AND PROTECT THE WALLS OF A BUILDING, PROVIDING BOTH FUNCTIONAL AND AESTHETIC BENEFITS.

IN THIS SPECIFIC PROJECT, PLYWOOD WALL PANELS ARE USED AS A FINISH SIDING BECAUSE THIS TYPE OF SIDING PROVIDES A DURABLE, COST-EFFECTIVE, AND VERSATILE EXTERIOR CLADDING THAT CAN BE EASILY INSTALLED, FINISHED, AND MAINTAINED TO ENHANCE THE AESTHETIC AND PROTECTIVE QUALITIES OF A BUILDING'S EXTERIOR.

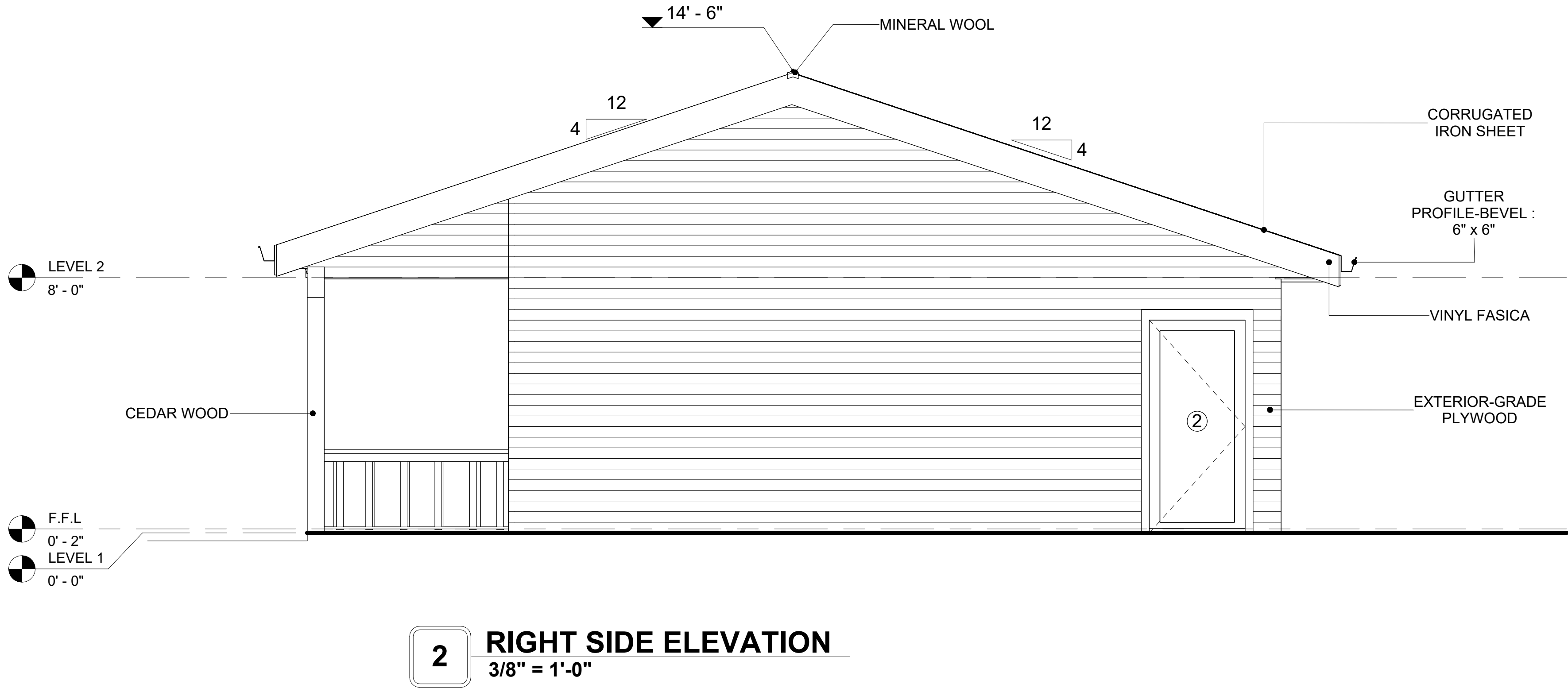
STANDARD SIZES OF 1' X 8' EXTERIOR-GRADE PLYWOOD PANELS ARE INSTALLED ON THE FURRING STRIPS USING GALVANIZED STEEL SELF-DRILLING SCREWS.

CEDAR WOOD

CEDAR WOOD REFERS TO THE WOOD FROM VARIOUS SPECIES OF CEDAR TREES, WHICH ARE CONIFEROUS EVERGREEN TREES KNOWN FOR THEIR DISTINCT AROMA AND NATURAL RESISTANCE TO DECAY AND INSECTS.

IN THIS SPECIFIC PROJECT, CEDAR WOOD IS USED AS A FURRING STRIP AND A FINISH MATERIAL ON BEAMS AND COLUMNS.

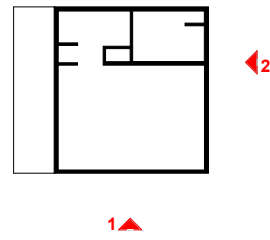
CEDAR WOOD AS A FURRING STRIPS PROVIDE THERMAL INSULATION AND MOISTURE MANAGEMENT. THE VERTICAL CEDAR WOOD FURRING STRIPS ARE ATTACHED TO HOME WRAP USING CORROSION-RESISTANT FASTENERS (HOT-DIP GALVANIZED SCREWS), ENSURING PROPER PENETRATION INTO THE WALL FRAMING.



DOOR SCHEDULE						
TYPE MAR K	SUPPLIER	DOOR TYPE	LOCATION	SIZE		COUNT
				WIDTH	HEIGHT	
1	HOME DEPOT	INTERIOR SINGLE PANEL SWINGING	INTERIOR	3' - 0"	6' - 8"	1
2	HOME DEPOT	EXTERIOR SINGLE PANEL SWINGING	INTERIOR	3' - 0"	6' - 8"	2
3	HOME DEPOT	DOOR-BIFOLD_9052	INTERIOR	2' - 4"	6' - 8"	1
4	HOME DEPOT	DOOR-BIFOLD_9052	INTERIOR	3' - 3"	6' - 8"	1
6	HOME DEPOT	DOOR-BIFOLD_9052	INTERIOR	4' - 10"	6' - 8"	1

WINDOW SCHEDULE					
TYPE MARK	SUPPLIER	WINDOW TYPE	SIZE		COUNT
			WIDTH	HEIGHT	
1	HOME DEPOT	SLIDING	3' - 3"	3' - 3"	4
2	HOME DEPOT	SLIDING	3' - 3"	1' - 9"	2

KEY PLAN



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT	
235-EMBER-624-STUDIO FARMHOUSE-BASE-550	
DRAWING NAME	
ARCHITECTURAL ELEVATIONS	

CLIENT NAME:	Client Name
PROJECT NUMBER:	0033_15
DATE:	6/6/2025 12:27:08 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

ABOUT WALL FINISHING

PLYWOOD WALL SIDING

WALL SIDING IS AN EXTERIOR CLADDING MATERIAL USED TO COVER AND PROTECT THE WALLS OF A BUILDING, PROVIDING BOTH FUNCTIONAL AND AESTHETIC BENEFITS.

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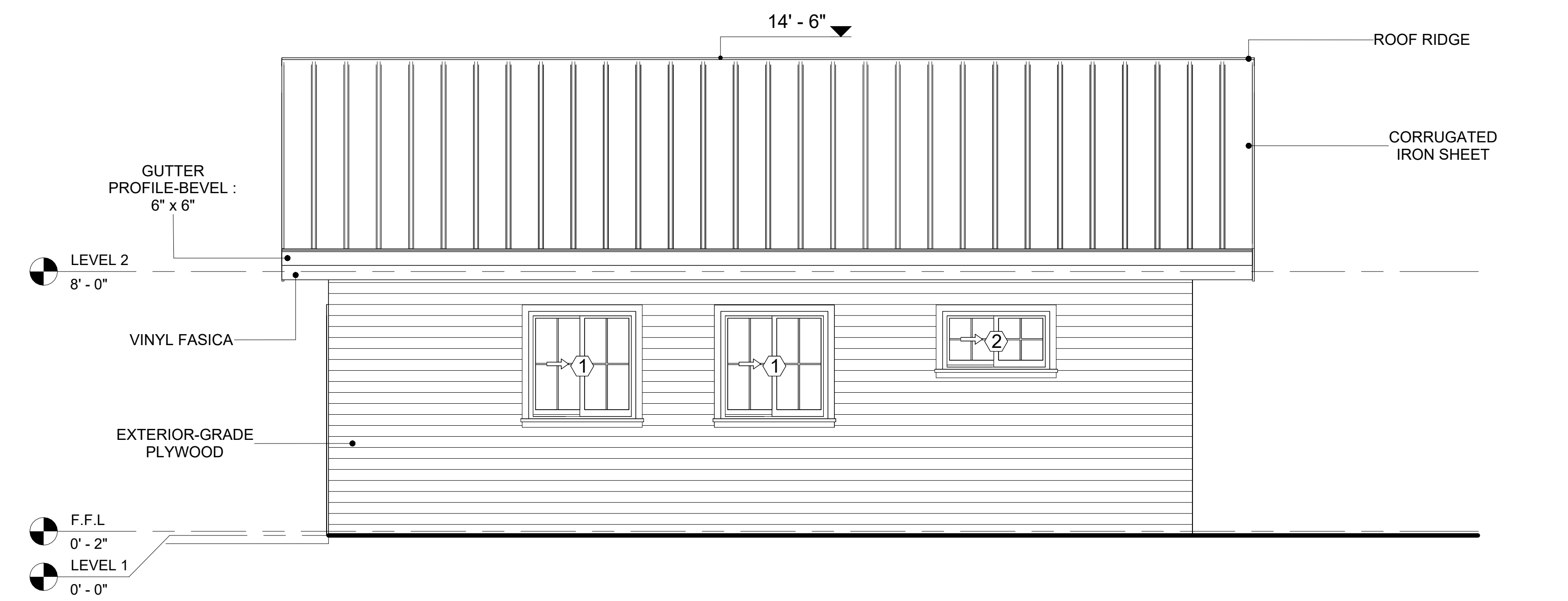
STANDARD SIZES OF 1' X 8' EXTERIOR-GRADE PLYWOOD PANELS ARE INSTALLED ON THE FURRING STRIPS USING GALVANIZED STEEL SELF-DRILLING SCREWS.

CEDAR WOOD

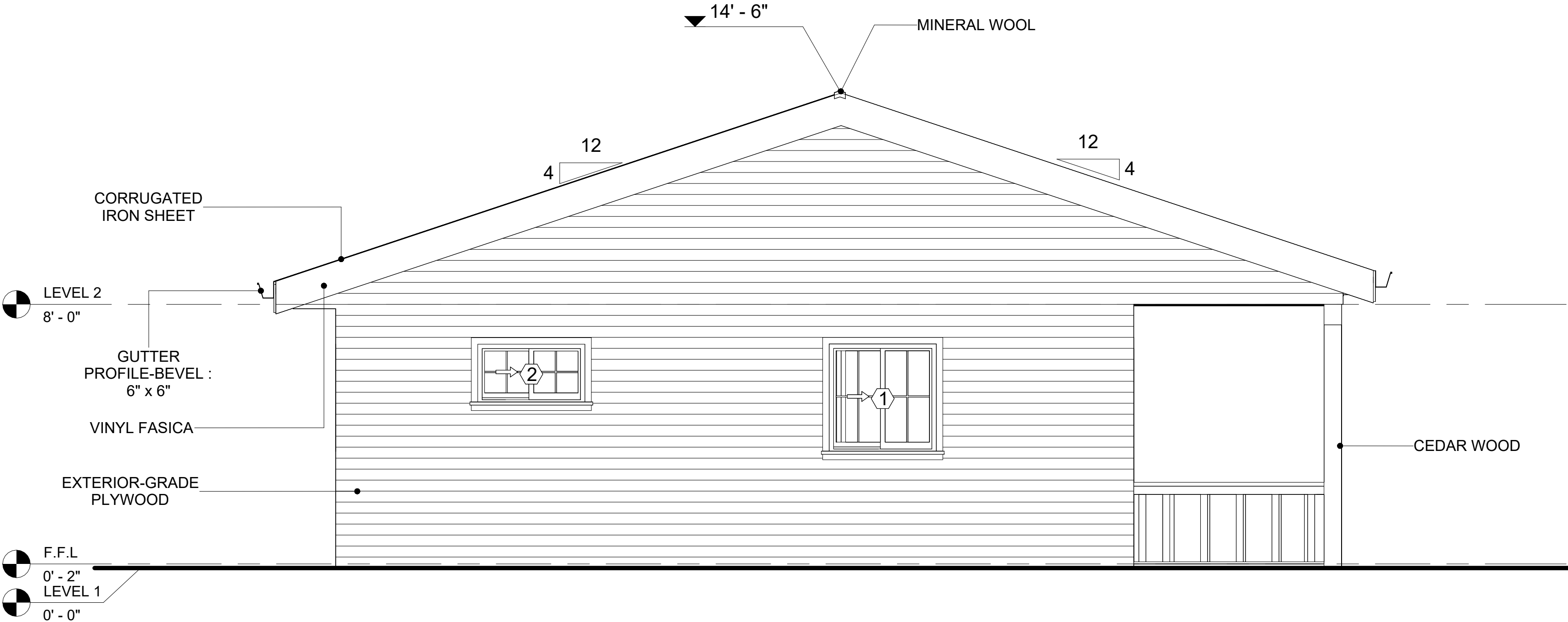
CEDAR WOOD REFERS TO THE WOOD FROM VARIOUS SPECIES OF CEDAR TREES, WHICH ARE CONIFEROUS EVERGREEN TREES KNOWN FOR THEIR DISTINCT AROMA AND NATURAL RESISTANCE TO DECAY AND INSECTS.

IN THIS SPECIFIC PROJECT, CEDAR WOOD IS USED AS A FURRING STRIP AND A FINISH MATERIAL ON BEAMS AND COLUMNS.

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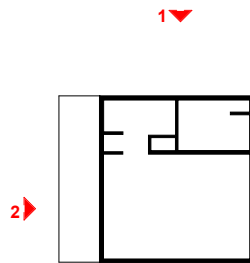


1 REAR ELEVATION
3/8" = 1'-0"



2 LEFT SIDE ELEVATION
3/8" = 1'-0"

KEY PLAN



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

**235-EMBER-624-STUDIO
FARMHOUSE-BASE-550**

DRAWING NAME

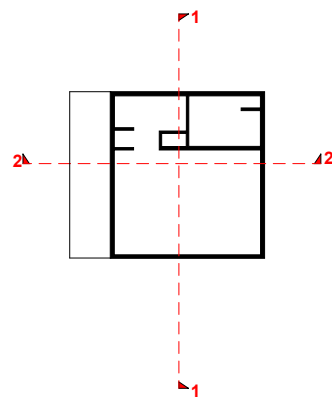
ARCHITECTURAL ELEVATIONS

CLIENT NAME:	Client Name
PROJECT NUMBER:	0033_15
DATE:	6/6/2025 12:27:11 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A202

SCALE: As indicated

KEY PLAN



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

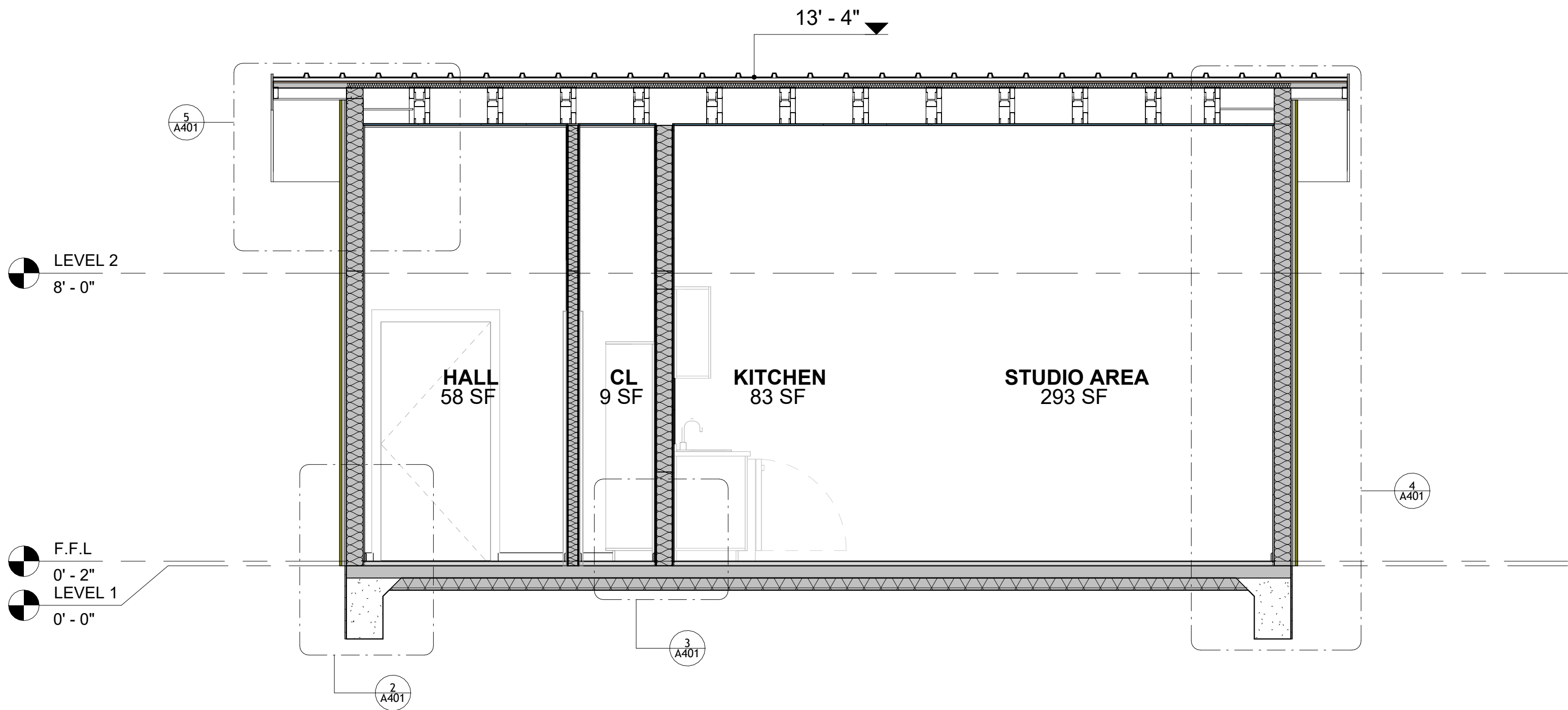
DRAWING NAME

ARCHITECTURAL SECTIONS

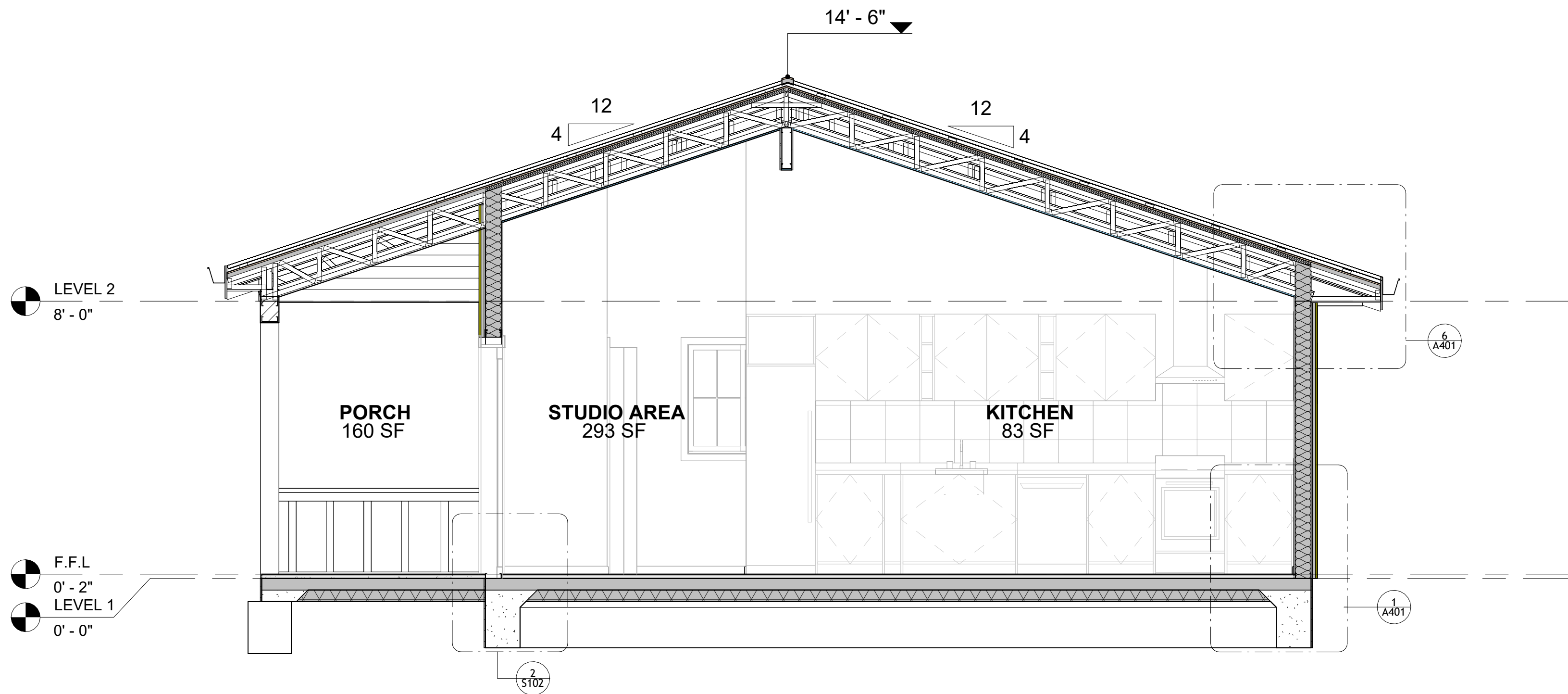
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PROJECT NUMBER:	0033_15
DATE:	6/6/2025 12:27:12 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A301

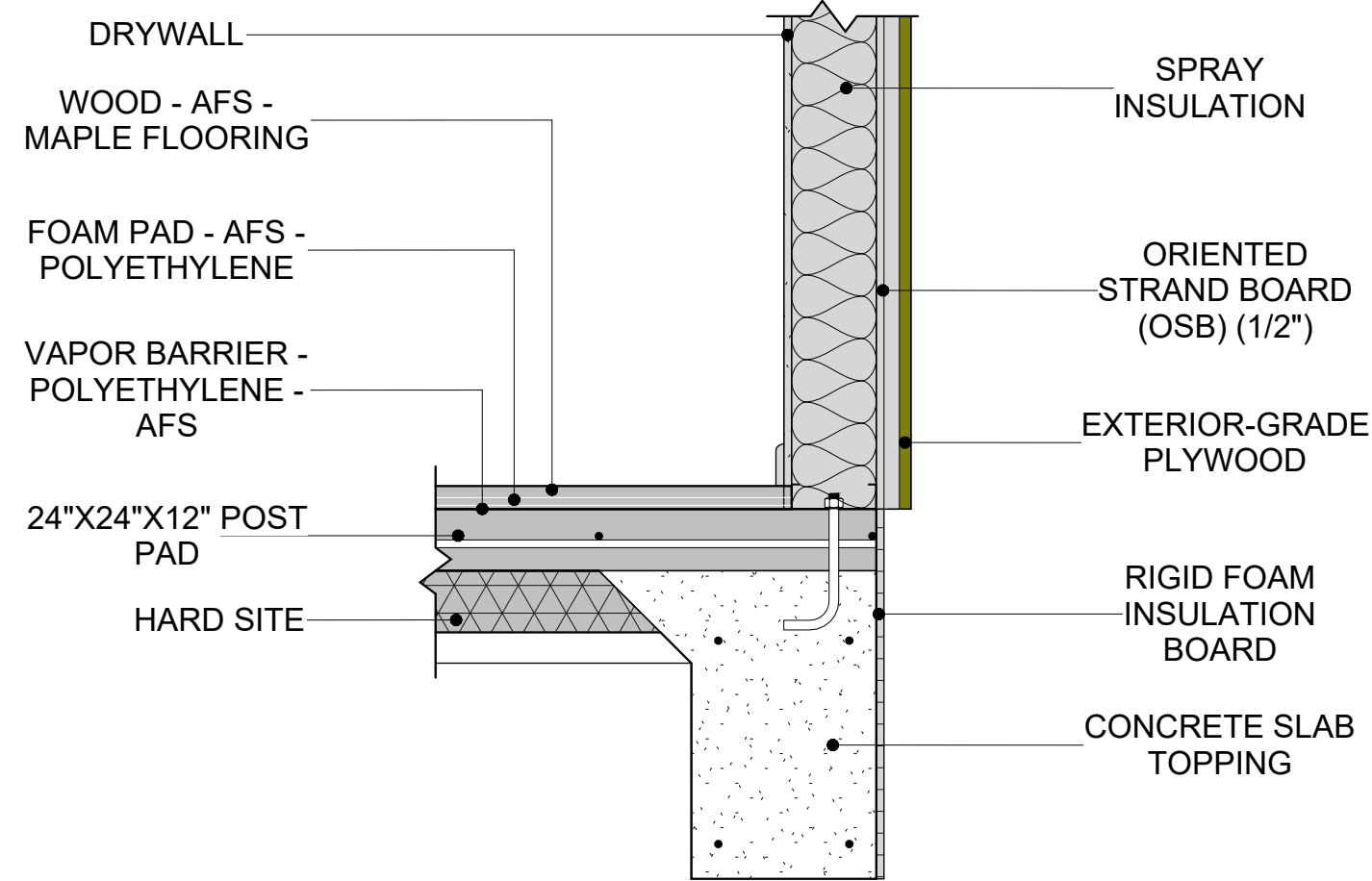
SCALE: As indicated



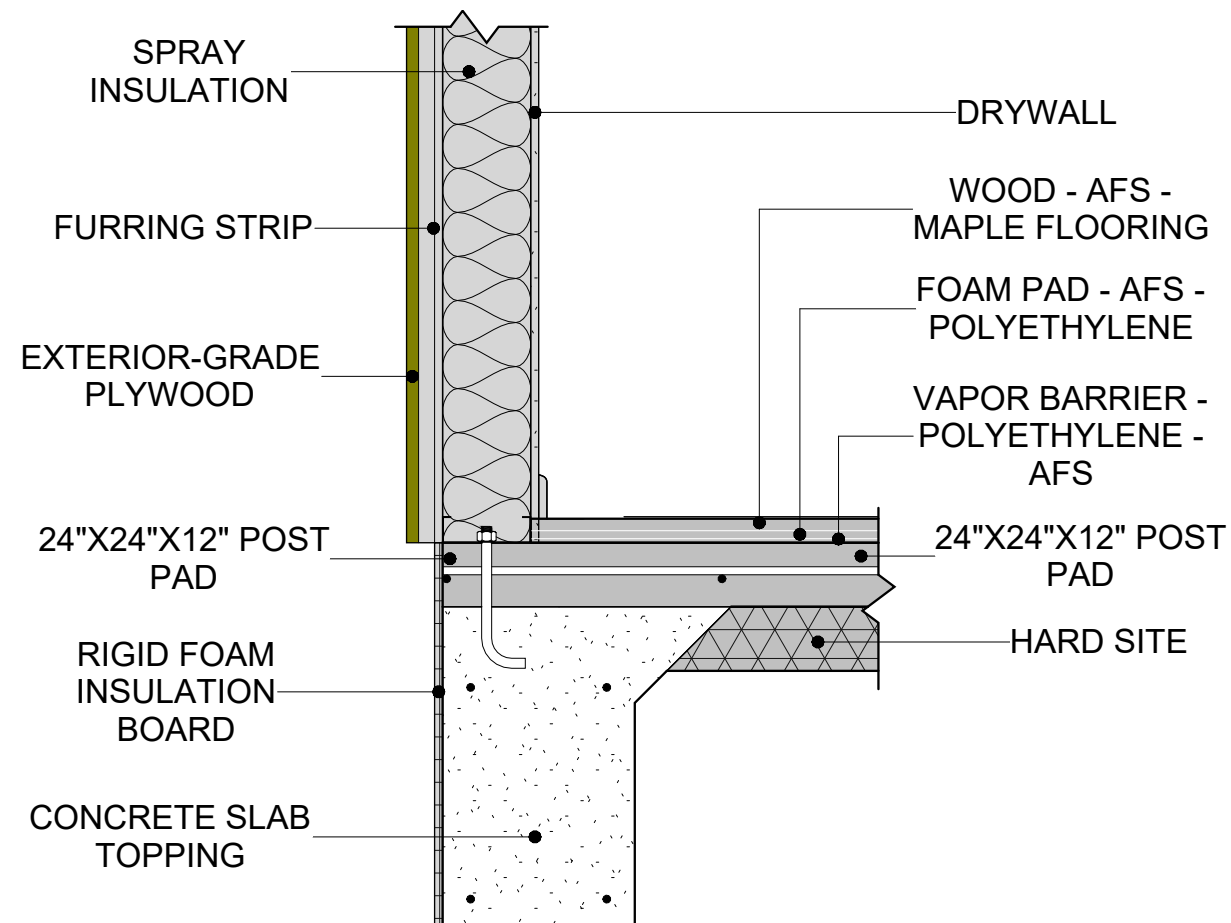
1 SECTION - 1
3/8" = 1'-0"



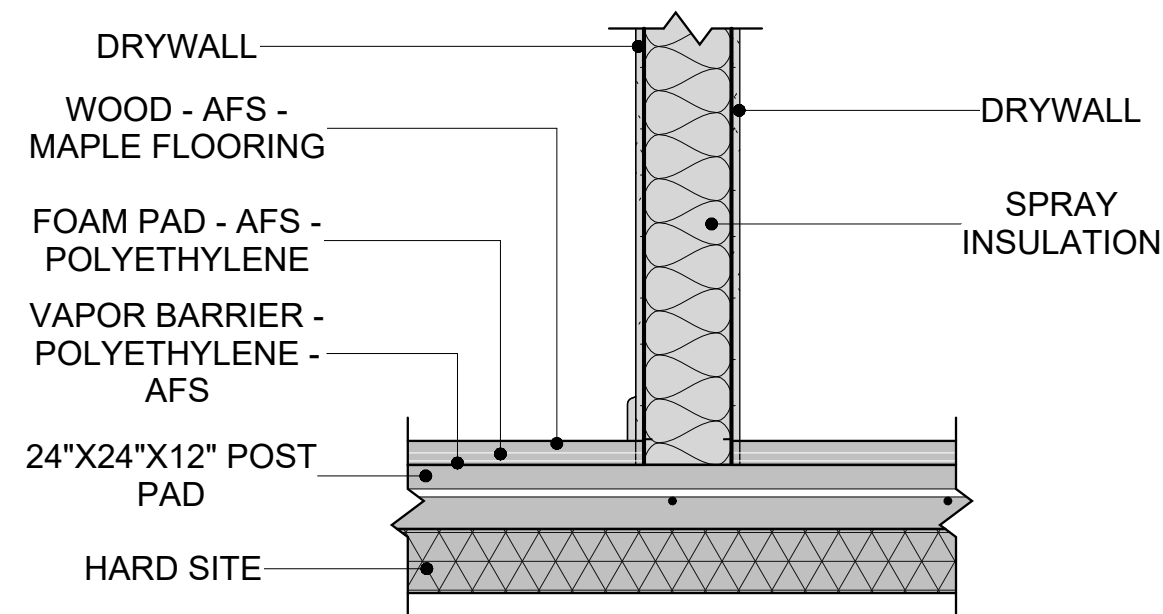
2 SECTION - 2
3/8" = 1'-0"



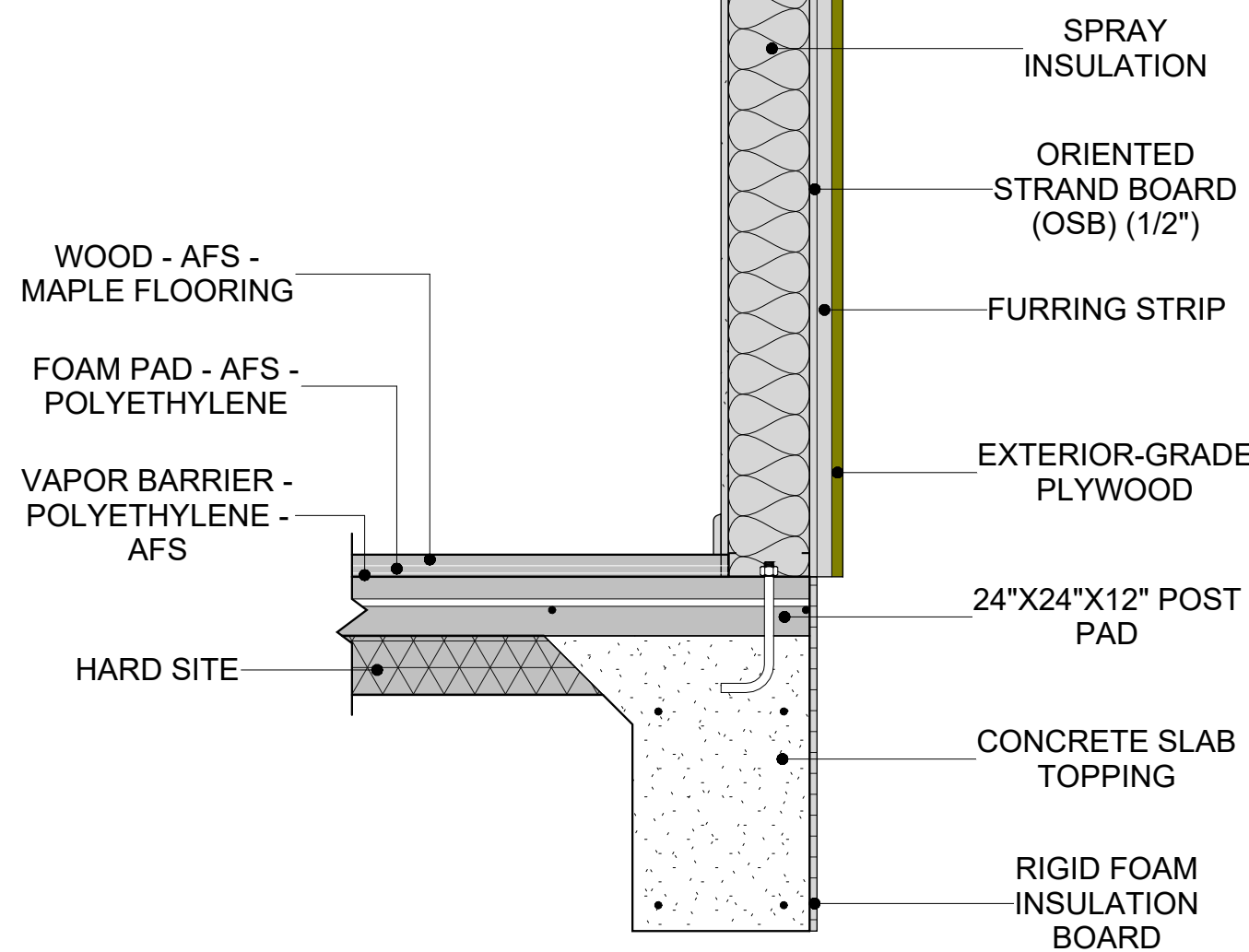
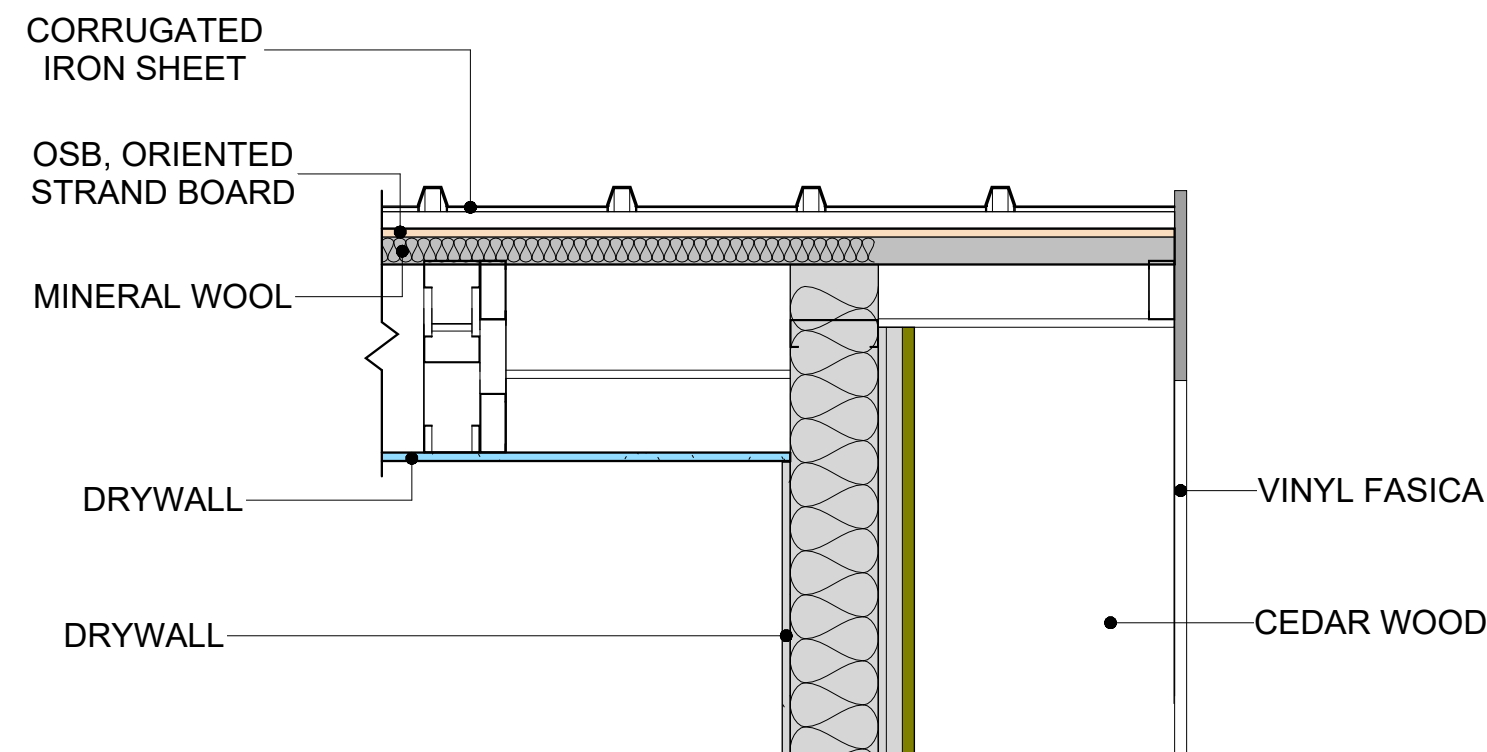
1 **TYPICAL WALL FTG**
1" = 1'-0"



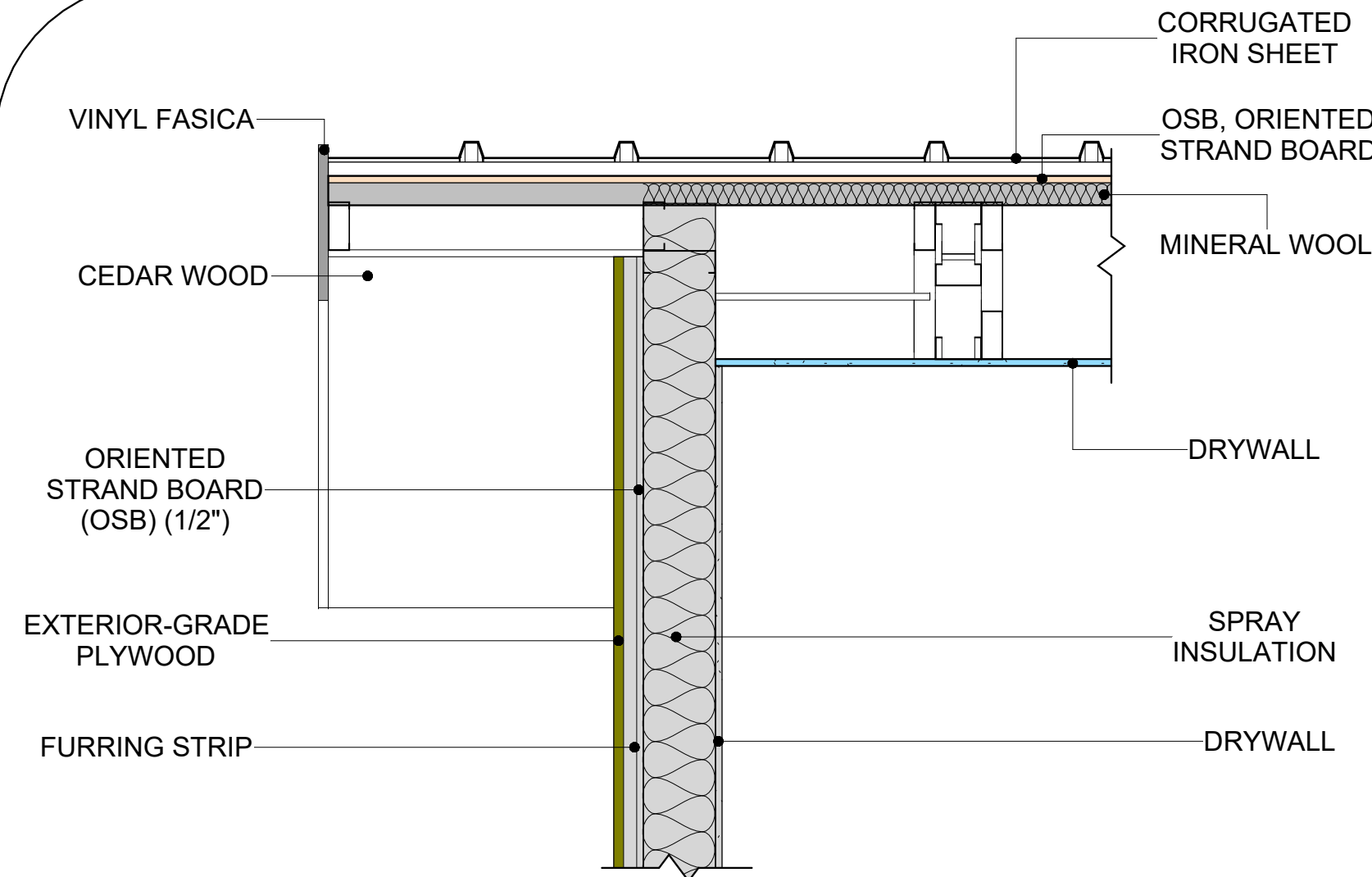
2 **TYPICAL WALL FTG2**
1" = 1'-0"



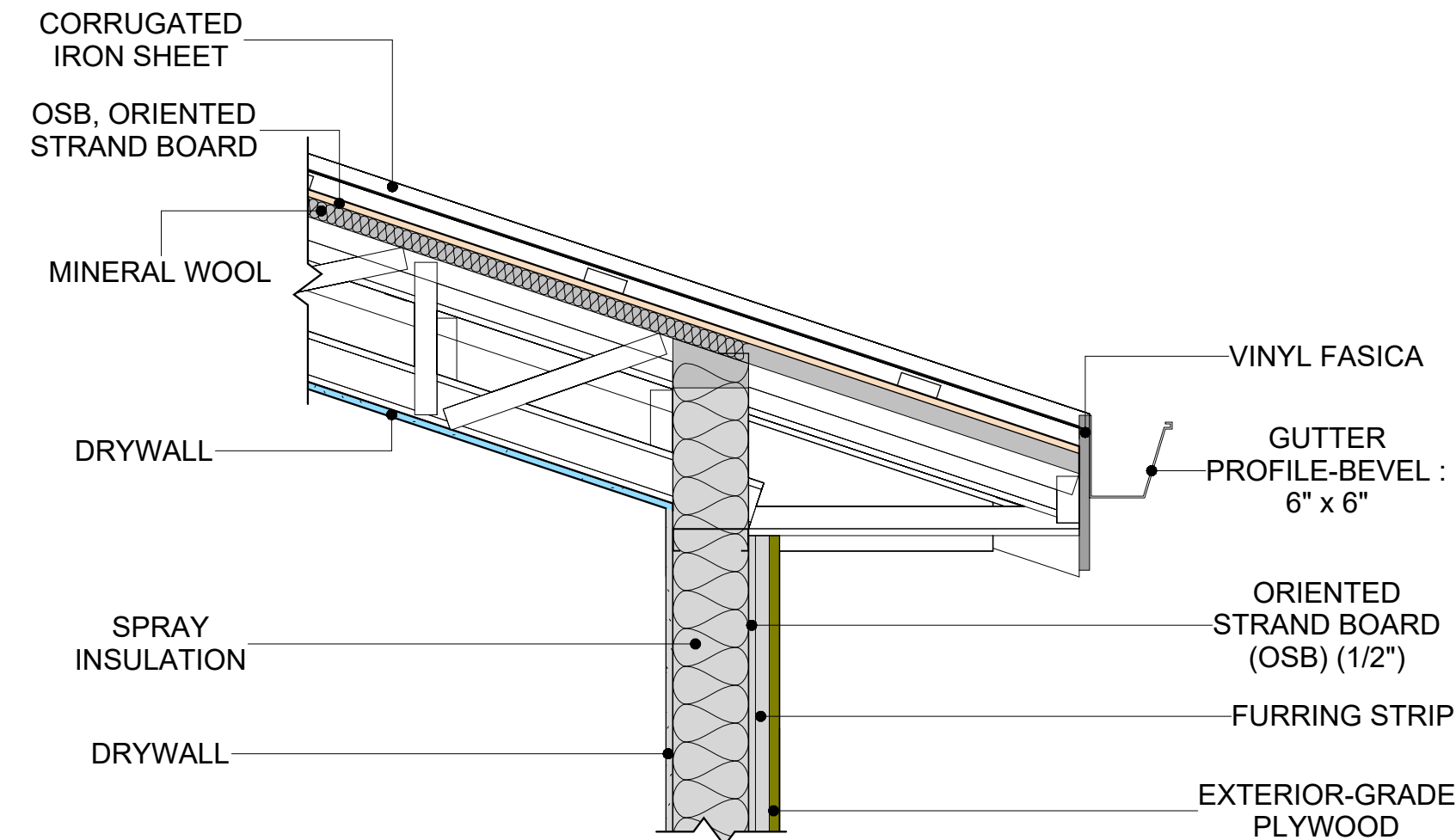
3 **WALL TO FLOOR CONN.**
1" = 1'-0"



4 **BUILDING SECTION**
1" = 1'-0"



5 **ROOF ON WALL**
1" = 1'-0"



6 **ROOF ON WALL 2**
1" = 1'-0"

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

**235-EMBER-624-STUDIO
FARMHOUSE-BASE-550**

DRAWING NAME

ARCHITECTURAL DETAILS

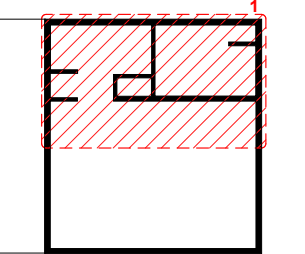
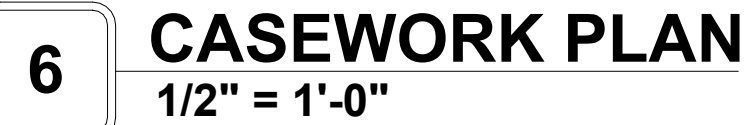
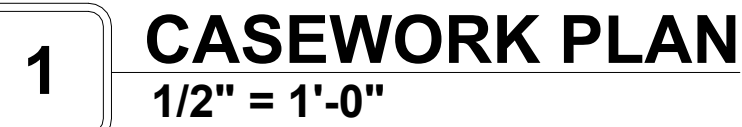
CLIENT NAME:	Client Name
PROJECT NUMBER:	0033_15
DATE:	6/6/2025 12:27:13 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A401

SCALE: 1" = 1'-0"

1. ALL CABINET HEIGHTS INCLUDE COUNTERTOPS. DIMENSIONS ARE TO THE NEAREST INCH.
2. DIVISIONS IN CASEWORK ARE SHOWN FOR CLARITY AND DO NOT REPRESENT BREAKS IN THE COUNTERTOP.
3. PROVIDE CONTINUOUS COUNTERTOP OVER ALL SIMILAR HEIGHT CASEWORK, UNLESS AND OTHERWISE NOTED.
4. MANUFACTURER AND CATALOG NUMBERS ARE FOR REFERENCE AND ILLUSTRATION PURPOSES ONLY.
5. DOTTED LINES INDICATE WALL HUNG CABINETS. DIVISIONS OF BASE CABINETS BELOW THE COUNTERTOP, FURNITURE NOT IN THE CONTRACT OR PROJECTION SCREENS -SEE CASEWORK KEY AND SPECIFICATIONS.
6. ALL CABINETS AND DRAWERS TO HAVE CAM LOCKS EXCEPT FOR SINK BASE CABINETS.
7. ALL EXPOSED SURFACES (EXPOSED TO VIEW FROM ANY PERSPECTIVE) TO BE COVERED WITH LAMINATE.
8. ALL CASEWORK WHICH MEETS A WALL AT ONE OR BOTH ENDS, TO BE PROVIDED WITH FILLER PANELS AND SCRIBED TO THE WALL(S) AS REQUIRED.
9. ALL CABINETS AND DRAWERS ARE PROVIDED WITH RECESSED HANDLES.
10. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK OR CASEWORK FABRICATION.
11. CASEWORK DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DESIGN INTENT.

SPECIALTY EQUIPMENT SCHEDULE		
TYPE MARK	TYPE	COUNT
01	WASHER-FRONT-LOAD	1
02	REFRIGERATOR	1
03	DISHWASHER	1
04	DRYER-FRONT-LOAD	1
05	RANGE	1
GRAND TOTAL: 5		



NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

DRAWING NAME

ARCHITECTURAL CASEWORK

CLIENT NAME:	Client Name
PROJECT NUMBER:	0033_15
DATE:	6/6/2025 12:27:15 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A402

SCALE: **As indicated**

ELECTRICAL NOTES

3. THIS DRAWING DEPICTS THE ELECTRICAL SYSTEM FOR THE 235-EMBER-624-STUDIO FARMHOUSE-BASE-550. IT PROVIDES A VISUAL REPRESENTATION OF THE ELECTRICAL LAYOUT AND COMPONENTS, INCLUDING POWER DISTRIBUTION, LIGHTING, AND CONTROL SYSTEMS.
2. THE ELECTRICAL SYSTEM IS DESIGNED TO MEET THE SPECIFIC REQUIREMENTS OF THE BUILDING, INCLUDING POWER DISTRIBUTION, LIGHTING, AND SPECIALIZED ELECTRICAL EQUIPMENT NEEDS, AS PER THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS.
3. THE ELECTRICAL SYSTEM INSTALLATION SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), INTERNATIONAL BUILDING CODE (IBC), AND ALL OTHER APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND REGULATIONS.
4. LOCATIONS AS NEEDED, DEVICES ARE SHOWN ON PLANS IN APPROXIMATE IDEAL LOCATIONS, UNLESS SPECIFICALLY DIMENSIONED.
5. OPEN WALLS AS NEEDED TO ALLOW FOR NEW ELECTRICAL INSTALLATIONS.
6. LABEL ALL CIRCUITS ON JUNCTION BOXES, RECEPTACLES, DATA, SMOKE DETECTOR, AND EQUIPMENT IN PANEL BOX.
7. INSTALL RACEWAY AS NEEDED FOR DDC, ACCESS CONTROL, LOW VOLTAGE WIRING & DATA.
8. RELABEL POWER, DATA & FIRE ALARM FOR ROOM #CHANGES.
9. VERIFY ALL CIRCUITS LABELED ON PRINT ARE CORRECT BEFORE WORKING ON THEM.
10. NOTE ON SITE PLAN – ALL CHANGES OR MISSING DETAIL TO BE INCORPORATED INTO THE MASTER PLAN.
11. DRAWINGS ARE DIAGRAMMATIC ONLY FOR THE PURPOSE OF SHOWING FIXTURE AND OUTLET LOCATIONS.
12. ELECTRICAL CONTRACTOR TO VERIFY SERVICE SIZE BY CALCULATION BASED UPON ACTUAL NAME PLATE RATINGS OF SELECTED EQUIPMENT.
13. VERIFY LOCATION OF SERVICE ENTRANCE WITH POWER COMPANY. PROVIDE UFER GROUND IN BUILDING FOUNDATION AT SERVICE ENTRANCE LOCATION.
14. PROVIDE A MIN. OF 20 FEET OF ONE "4 BARE COPPER UFER WIRE EMBEDDED IN CONCRETE FOOTING AT THE SERVICE ENTRANCE LOCATION WHERE APPROVED BY LOCAL SERVICE PROVIDER.
15. PROVIDE WATERPROOF FIXTURES IN ALL HIGH MOISTURE AREAS (EXTERIOR, SHOWER AND TUB CEILINGS ETC.)
16. PROVIDE DEDICATED CIRCUITS TO EACH BATH, DEN, FAMILY ROOM, BEDROOM, LOFT, KITCHEN REFRIGERATOR, KITCHEN FREEZER DISHWASHER, AND ANY AREA/ITEM SPECIFIED BY OWNER.
17. INCANDESCENT FIXTURES WITH OPEN OR PARTIALLY ENCLOSED LAMPS, PENDANT FIXTURES, AND LAMP HOLDERS ARE NOT PERMITTED IN CLOSETS.
18. ALL WORKMANSHIP AND MATERIALS TO CONFORM WITH THE 2015 IRC.
19. PROVIDE A MIN. OF 20 FEET OF ONE "4 BARE COPPER UFER WIRE EMBEDDED IN CONCRETE FOOTING AT THE SERVICE ENTRANCE LOCATION WHERE APPROVED BY LOCAL SERVICE PROVIDER.
20. PROVIDE A BONDING CONDUCTOR CONSISTING OF A MINIMUM OF ONE "4 BARE COPPER WIRE CONNECTING THE BUILDING'S METAL WATER PIPING SYSTEM TO THE SERVICE EQUIPMENT ENCLOSURE GROUNDING.

MAIN PANEL CALCS

ELECTRICAL CALCS		
LIGHT AND OUTLETS	624 @ 3W	1,872 W
3 APPLIANCE CIRCUITS		4,500 W
DRYER		2,000 W
WASHER		2,000 W
RANGE		5,000 W
WATER HEATER		5,000 W
REFRIG.		1,800 W
DISHWASHER & DISPOSAL		3000 W
TOTAL		25,172 W
FRIST 10,000 @ 100%		10,000 W
REMAINDER @ 40%		6,069W
MINI. SPLIT UNITS		10,000 W
TOTAL		26,069W
26,069 W DIVIDED BY 240V = 109 AMPS TOTAL		
(USE 200 AMP SERVICE)		

Branch Panel:

Location: HALL 04

Supply From:

Mounting: Recessed

Volts: 120/240 Single

Phases: 1

Wires: 3

A.I.C. Rating:

Mains Type:

Mains Rating: 200 A

MCB Rating: 1 A

Notes:

Circuit Number	Circuit Description	Number of Elements	Rating	Length	Wire Size	A		B		Wire Size	Length	Rating	Number of Elements	Circuit Description	Circuit Number
1	BATH GFCI	7	20 A	19' - 2 17/32"	1-#12, 1-#12, 1-#12	576 VA	2500 VA			2-#10, 1-#10, 1-#10	23' - 2 5/16"	30 A	1	DRYER	2
3	WASHER	1	20 A	25' - 0 1/16"	1-#12, 1-#12, 1-#12			1200 VA	2500 VA	--	--	--	--	--	4
5	WATER HEATER	1	30 A	27' - 3 3/8"	2-#10, 1-#10, 1-#10	2250 VA	420 VA			1-#12, 1-#12, 1-#12	27' - 2 25/32"	20 A	9	HALL & KITCHEN LIGHT	6
7	--	--	--	--	--			2250 VA	1800 VA	1-#12, 1-#12, 1-#12	18' - 8 5/8"	20 A	1	REFRIGERATOR	8
9	KITCHEN GFCI	4	20 A	28' - 6 15/32"	1-#12, 1-#12, 1-#12	720 VA	1200 VA			1-#12, 1-#12, 1-#12	24' - 8 3/4"	20 A	1	DISHWASHER	10
11	RANGE	1	50 A	26' - 1 3/16"	2-#8, 1-#8, 1-#10			2500 VA	2500 VA	2-#6, 1-#6, 1-#10	18' - 10 11/16"	60 A	1	CONDENSER	12
13	--	--	--	--	--	2500 VA	2500 VA			--	--	--	--	--	14
15	OUTDOOR GFCI	4	20 A	44' - 5 5/32"	1-#12, 1-#12, 1-#12			720 VA							16
17	LIVING LIGHT	9	15 A	37' - 8 5/8"	1-#14, 1-#14, 1-#14	265 VA	100 VA			1-#12, 1-#12, 1-#12	30' - 9 15/16"	20 A	1	OUTDOOR LIGHT	18
19	LIV. RECEPTCEL	6	20 A	45' - 6 11/16"	1-#12, 1-#12, 1-#12			1080 VA							20
21															22
23															24
25															26
						13023 VA		14550 VA							
						109 A		121 A							

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LIGHTING - DWELLING UNIT	200 VA	100.00%	200 VA	
OTHER	708 VA	100.00%	708 VA	Total Conn. Load: 27573 VA
RECEPTACLE	5280 VA	100.00%	5280 VA	Total Est. Demand: 26573 VA
LIGHTING	100 VA	100.00%	100 VA	Total Conn.: 115 A
CONDENSER	5000 VA	100.00%	5000 VA	Total Est. Demand: 111 A
WATER HEATER	4500 VA	100.00%	4500 VA	
RANGE	5000 VA	80.00%	4000 VA	
DRYER	5000 VA	100.00%	5000 VA	
REFRIGERATOR	1800 VA	100.00%	1800 VA	

Notes:

ELECTRICAL ABBREVIATIONS LIST

1P	1 POLE (2P, 3P, 4P, ETC.)	CTR	CENTER	HT	HEIGHT
A	AMPERE	CU	COPPER	HTG	HEATING
AC	ABOVE COUNTER OR AIR CONDITIONER	DCP	DOMESTIC WATER CIRCULATING PUMP	HTR	HEATER
ACLG	ABOVE CEILING	DEPT	DEPARTMENT	HV	HIGH VOLTAGE
ADO	AUTOMATIC DOOR OPENER	DET	DETAIL	HVAC	HEATING, VENTILATING AND AIR
AF	AMP FRAME	DIA	DIAMETER	CONDITIONING	CONDITIONING
AFF	ABOVE FINISHED FLOOR	DISC	DISCONNECT	HWP	HYDRONIC WATER PUMP
AFG	ABOVE FINISHED GRADE	DIST	DISTRIBUTION	IC	INTERRUPTING CAPACITY
AFI	ARC FAULT CIRCUIT INTERRUPTER	DN	DOWN	IG	ISOLATED GROUND
AHU	AIR HANDLING UNIT	DPR	DAMPER	IMC	INTERMEDIATE METAL CONDUIT
AL	ALUMINUM	DS	SAFETY DISCONNECT SWITCH	INCAND	INCANDESCENT
ALT	ALTERNATE	DT	DOUBLE THROW	IR	INFRARED
AMP	AMPERE	DWG	DRAWING	I/W	INTERLOCK WITH
AMPL	AMPLIFIER	DDC	DIRECT DIGITAL CONTROL	J-BOX	JUNCTION BOX
ANNUN	ANNUNCIATOR APPROX APPROXIMATELY	EC	ELECTRICAL CONTRACTOR	KV	KILOVOLT
AQ-STAT	AQUASTAT	ELEC	ELECTRIC, ELECTRICAL	KVA	KILOVOLT-AMPERE
ARCH	ARCHITECT, ARCHITECTURAL	ELEV	ELEVATOR	KVAR	KILOVOLT-AMPERE REACTIVE
AS	AMP SWITCH	EM	EMERGENCY	KW	KILOWATT
AT	AMP TRIP	EMS	ENERGY MANAGEMENT SYSTEM	KWH	KILOWATT HOUR
ATS	AUTOMATIC TRANSFER SWITCH	EMT	ELECTRICAL METALLIC TUBING	LOC	LOCATE OR LOCATION
AUTO	AUTOMATIC	EP	ELECTRIC PNEUMATIC	LT	LIGHT
AUX	AUXILIARY	EQUIP	EQUIPMENT	LTG	LIGHTING
AV	AUDIO VISUAL	EWC	ELECTRIC WATER COOLER	LTNG	LIGHTNING
AWG	AMERICAN WIRE GAUGE	EXIST	EXISTING	LV	LOW VOLTAGE
BATT	BATTERY	EXH	EXHAUST	MAX	MAXIMUM
BD	BOARD	EXP	EXPLOSION PROOF	MAG.S	MAGNETIC STARTER
BLDG	BUILDING	FA	FIRE ALARM	M/C	MOMENTARY CONTACT
BMS	BUILDING MANAGEMENT SYSTEM	FABP	FIRE ALARM BOOSTER POWER	MC	MECHANICAL CONTRACTOR
C	CONDUIT	SUPPLY PANEL	SUPPLY PANEL	MCB	MAIN CIRCUIT BREAKER
CAB	CABINET	FACP	FIRE ALARM CONTROL PANEL	MCC	MOTOR CONTROL CENTER
CAT	CATALOG	FCU	FAN COIL UNIT	MDC	MAIN DISTRIBUTION CENTER
CATV	CABLE TELEVISION	FIXT	FIXTURE	MDP	MAIN DISTRIBUTION PANEL
CB	CIRCUIT BREAKER	FLR	FLOOR	MFR	MANUFACTURERMAIN FUSED
CCTV	CLOSED CIRCUIT TELEVISION	FLUOR	FLUORESCENT		DISCONNECT SWITCH
CKT	CIRCUIT	FU	FUSE	MH	MANHOLE
CLG	CEILING	FUDS	FUSED SAFETY DISCONNECT SWITCH	MIC	MICROPHONE
COMB	COMBINATION	GA	GAUGE	MIN	MINIMUM
CMPR	COMPRESSOR	GAL	GALLON	MISC	MISCELLANEOUS
CONN	CONNECTION	GALV	GALVANIZED	MLO	MAIN LUGS ONLY
CONST	CONSTRUCTION	GC	GENERAL CONTRACTOR	MMS	MANUAL MOTOR STARTER
CONT	CONTINUATION OR CONTINUOUS	GEN	GENERATOR	MOA	MULTIOUTLET ASSEMBLY
CONTR	CONTRACTOR	GFI	GROUND FAULT CIRCUIT INTERRUPTER	MSP	MOTOR STARTER PANELBOARD
CONV	CONVECTOR	GFP	GROUND FAULT PROTECTOR	MSBD	MAIN SWITCHBOARD
CP	CIRCULATING PUMP	GND	GROUND	MT	MOUNT
CRT	CATHODE-RAY TUBE	GRS	GALVANIZED RIGID STEEL (CONDUIT)	MT.C	EMPTY CONDUIT
CT	CURRENT TRANSFORMER	GYP BD	GYPSUM BOARD	UL	UNDERWRITERS LABORATORIES



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888-864-0184
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KEY PLAN

[illegible]

NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

DRAWING NAME

SCHEDULE

CLIENT NAME:	Owner
PROJECT NUMBER:	0409_11
DATE:	5/9/2025 4:40:13 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

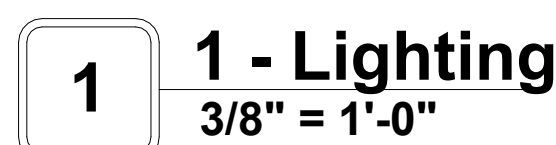
E101

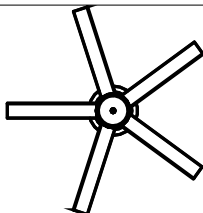
SCALE: 1/4" = 1'-0"

- A. PROVIDE INTERCONNECTED SMOKE ALARMS IN EACH SLEEPING ROOMS, OUTSIDE EACH SLEEPING ROOM, ON EACH STORY, IN THE HALL OR ADJACENT ROOM LUHERE THE CEILING HEIGHT OF A ROOM OPEN TO THE HALL EXCEEDS THE HALL BY 24". SMOKE ALARMS SHALL BE PERMANENTLY HARD WIRED WITH BATTERY BACKUP.
- B. RECEPTACLE OUTLETS FOR RANGES AND CLOTHES DRYERS SHALL BE A THREE POLE WITH GROUND TYPE. FOUR WIRE GROUNDING-TYPE FLEXIBLE CORDS WILL BE REQUIRED FOR CONNECTION OF RANGES AND CLOTHES DRYERS. THE BONDING JUMPER SHALL NOT BE CONNECTED BETWEEN NEUTRAL TERMINAL AND THE FRAME OF THE APPLIANCE.
- C. TWO OR MORE 20 AMP SMALL APPLIANCE CIRCUITS SHALL BE PROVIDED TO SERVE THE KITCHEN, BREAKFAST NOOK, AND DINING ROOM. SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS.
- D. AT LEAST ONE 20 AMP BRANCH CIRCUIT SHALL BE PROVIDED TO SERVICE THE LAUNDRY ROOM. THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS.
- E. ALL RECEPTACLES WITH IN 6' OF A WET BAR SINK OR KITCHEN SINK TO SERVE COUNTER TOP SURFACES MUST BE GFCI. ON KITCHEN COUNTERS 12" OR WIDER NO POINT ALONG THE WALL SHALL BE MORE THAN 2' FROM A RECEPTACLE. ALL RECEPTACLES WITH IN 6' OF KITCHEN SINK MUST BE GFCI. AT LEAST ONE GFCI RECEPTACLE SHALL BE INSTALLED IN THE BATHROOM ADJACENT TO EACH BASIN.
- F. FIXTURES INCLUDING CEILING FANS THAT ARE LOCATED IN DAMP LOCATIONS SHALL BE LISTED TO BE SUITABLE FOR SUCH LOCATIONS PER 2012 IRC
- G. PROVIDE ONE (1) SWITCHED OUTLET @ ALL BEDROOMS AND DEN
- H. CEILING FANS NOT EXCEEDING 35 LBS. (WITH OR WITHOUT ACCESSORIES MAY BE SUPPORTED BY OUTLET BOXES PROVIDED THE OUTLET BOXES ARE IDENTIFIED FOR SUCH USE PER 2012 IRC
- I. ELECTRICAL OUTLET BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24".
- J. OUTLET BOXES IN THE WALLS BETWEEN THE GARAGE AND DWELLING SHALL BE METAL OR U.L. APPROVED FIRE RESISTIVE PLASTIC. BOXES IN GARAGE CEILING SHALL BE METAL.
- K. ALL BRANCH CIRCUITS THAT SUPPLY 120 VOLTS SINGLE PHASE 15 AND 20 AMPS RECEPTACLE OUTLETS INSTALLED IN THE DWELLING SHALL BE PROTECTED BY AN ARC FAULT CIRCUIT INTERRUPTER, EXCEPT GFCI RECEPTICLES.

A. RECEPTACLES MUST BE PROVIDED IN HALLWAYS 10'-0" OR MORE IN LENGTH. FOR A ONE FAMILY DWELLINGS AND EACH OF A TWO FAMILY DWELLING THAT IS AT GRADE LEVEL, AT LEAST ONE WP-GFCI RECEPTACLE OUTLET ACCESSIBLE AT GRADE LEVEL AND NOT MORE THAN 6'-6" ABOVE GRADE SHALL BE INSTALLED AT THE FRONT AND BACK OF THE DWELLING.

E4001.5 GROUNDING OF ENCLOSURES.
METAL ENCLOSURES FOR SWITCHES OR CIRCUIT BREAKERS SHALL BE CONNECTED TO AN EQUIPMENT GROUNDING CONDUCTOR.
METAL ENCLOSURES FOR SWITCHES OR CIRCUIT BREAKERS USED AS SERVICE EQUIPMENT SHALL COMPLY WITH THE PROVISIONS OF SECTION E3609.4. WHERE NONMETALLIC ENCLOSURES ARE USED WITH METAL RACEWAYS OR METAL-ARMORED CABLES, PROVISIONS SHALL BE MADE FOR CONNECTING THE EQUIPMENT GROUNDING CONDUCTOR.
NONMETALLIC BOXES FOR SWITCHES SHALL BE INSTALLED WITH A WIRING METHOD THAT PROVIDES OR INCLUDES AN EQUIPMENT GROUNDING CONDUCTOR. (404.12)



	Electrical Lights With Fan
	Waterproof Recessed Can Light
	Pendant Light
	Recessed Can Light
	Wall Lamp
	Standalone linear
	Single Switch
	Three way Switch
	Fan Switch
	Duplex Receptacle
	Triplex Receptacle
	GFCI Receptacle
	Exhaust Fan
	Smoke and heat detector

[illegible]

LEGEND:

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

LIGHTING

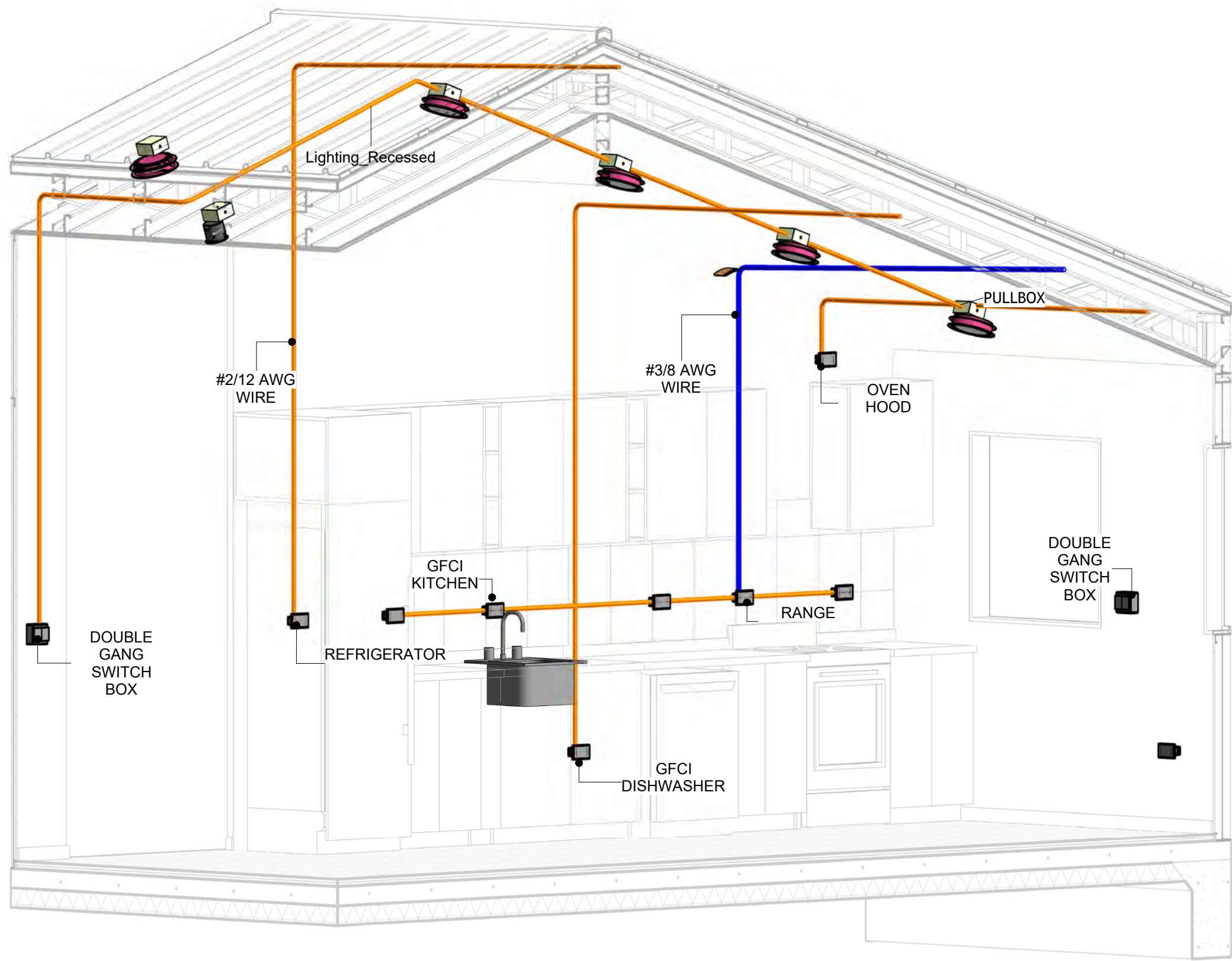
CLIENT NAME:	Owner
PROJECT NUMBER:	0409_11
DATE:	5/9/2025 4:40:15 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

E102

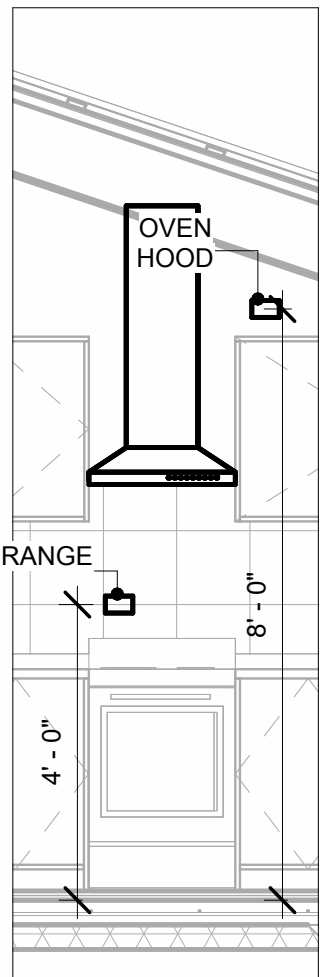
SCALE: As indicated

NOTES: CONDUIT, CABLE AND WIRING

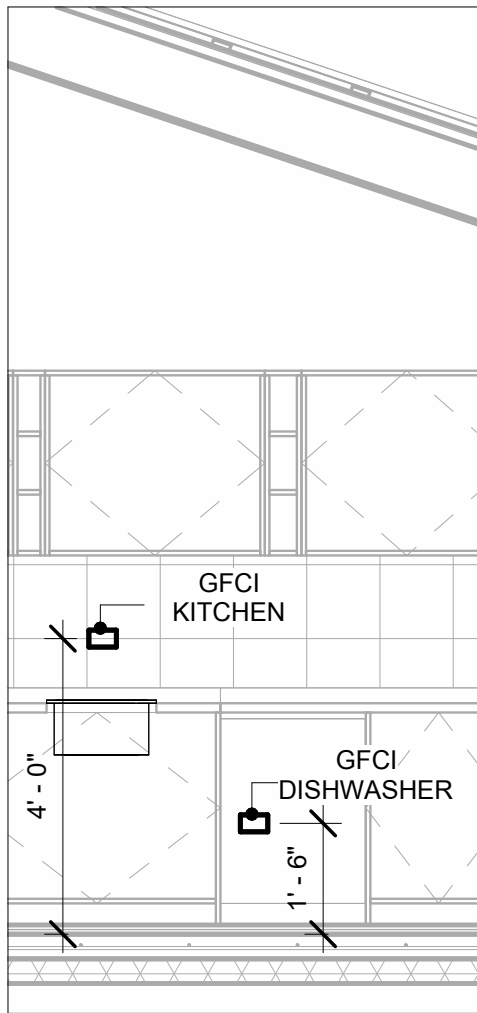
1. Use Metallic Conduits (IMC) for cables running under concrete slabs.
2. Use IMC for circuits with high voltage appliances (240 volts and above)
3. For circuits with 120 volts consider using EMT or PVC conduits if needed.
4. For Low voltage applications up to 50 volts consider using non metallic conduits.
5. All conduits to be used in the project must conform to the latest National Electrical Code (NEC), 2015.
6. All wiring and cables to be used in the project must also conform to the latest National Electrical Code (NEC), 2015.
7. All cables and wires used should be rated for their respective loading and should be gauged and conform to the NEC.



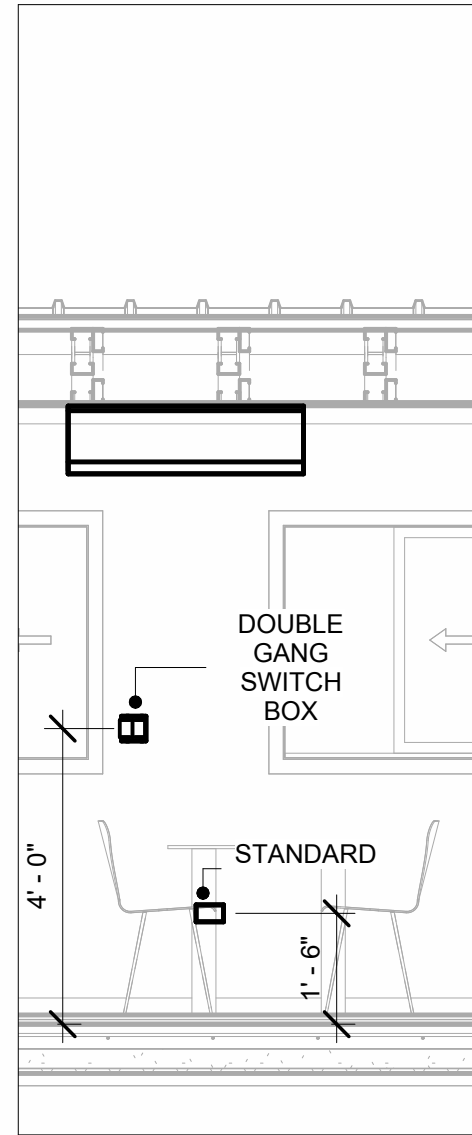
1 3D-KITCHEN



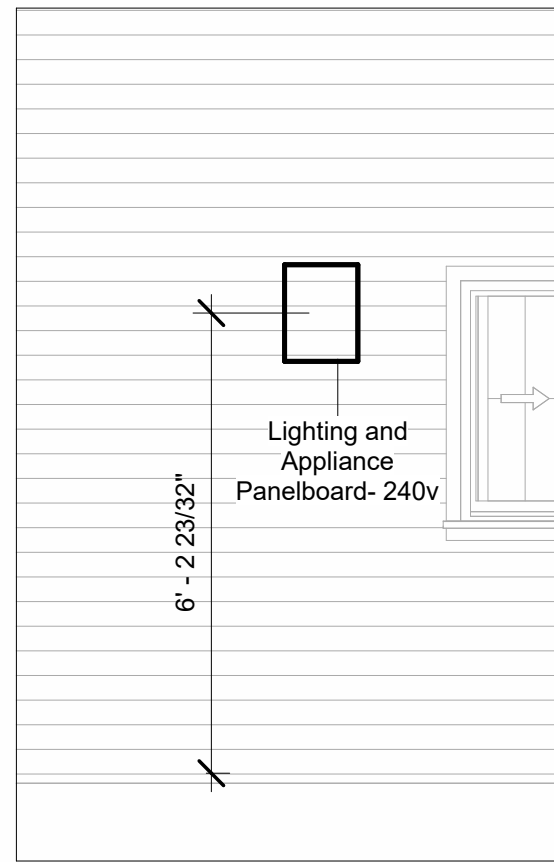
2 RANGE & OVENHOOD
3/8" = 1'-0"



4 DISHWASHER & GFCI
3/8" = 1'-0"

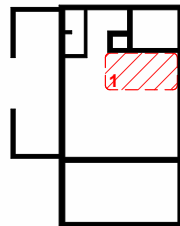


3 SWITCH & RECEPTACLE
3/8" = 1'-0"



5 PANEL
3/8" = 1'-0"

KEY PLAN



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

DRAWING NAME

POWER

CLIENT NAME:	Owner
PROJECT NUMBER:	0409_11
DATE:	5/9/2025 4:40:44 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
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E103

SCALE: As indicated

NOTES: LIGHT

1. LIGHT FIXTURES AND LUMINARIES SHALL CONFORM TO THE NEC, THE IRC AND LOCAL SAFETY & BUILDING CODE.
2. ALL LIGHTING FIXTURES SHOULD CONFORM TO THE DESIGN ELECTRICAL LOAD AND SHALL BE PROPERLY WIRED AND MOUNTED BY QUALIFIED ELECTRICIAN FOLLOWING MANUFACTURERS SPECIFICATIONS.
3. CEILING FANS AND FANS WITH LIGHT WITH WEIGHT EXCEEDING 35 LBS SHOULD BE PROVIDED WITH STRUCTURAL BACKING FOR SUPPORT AND SHALL BE FIXED AS PER MANUFACTURERS SPECIFICATIONS.
4. EXTERIOR LIGHTS SHALL CONFORM TO LOCAL BUILDING CODE AND GUIDELINES.

NOTES: SWITCH JUNCTION BOX

1. THE MINIMUM SIZE OF JUCTION BOX TO BE USED IS 2"X4"X(1.5" OR 3.5" DEEP) THIS ARE TO BE USED FOR SINGLE GANG SWITCH OR OUTLETS.
2. FOR DOUBLE GANG (2 GANG) OUTLETS AND SWITCHS THE MINIMUM SIZE OF THE JUCTION BOX TO BE PROVIDED SHALL NOT BE LESS THAN 4"X4"X(1.5" OR 3.5" DEEP)
3. FOR THREE GANG (3 GANG) OUTLETS AND SWITCHS THE MINIMUM SIZE OF THE JUCTION BOX SHALL NOT BE LESS THAN 6"X4"X(1.5" OR 3.5" DEEP).

FITTING SCHEDULE(PULL BOX)

FAMILY	COUNT	DESCRIPTION
PULLBOX1	16	#1/4 PULLBOX

ELECTRICAL FIXTURE SCHEDULE (SWITCH BOX)

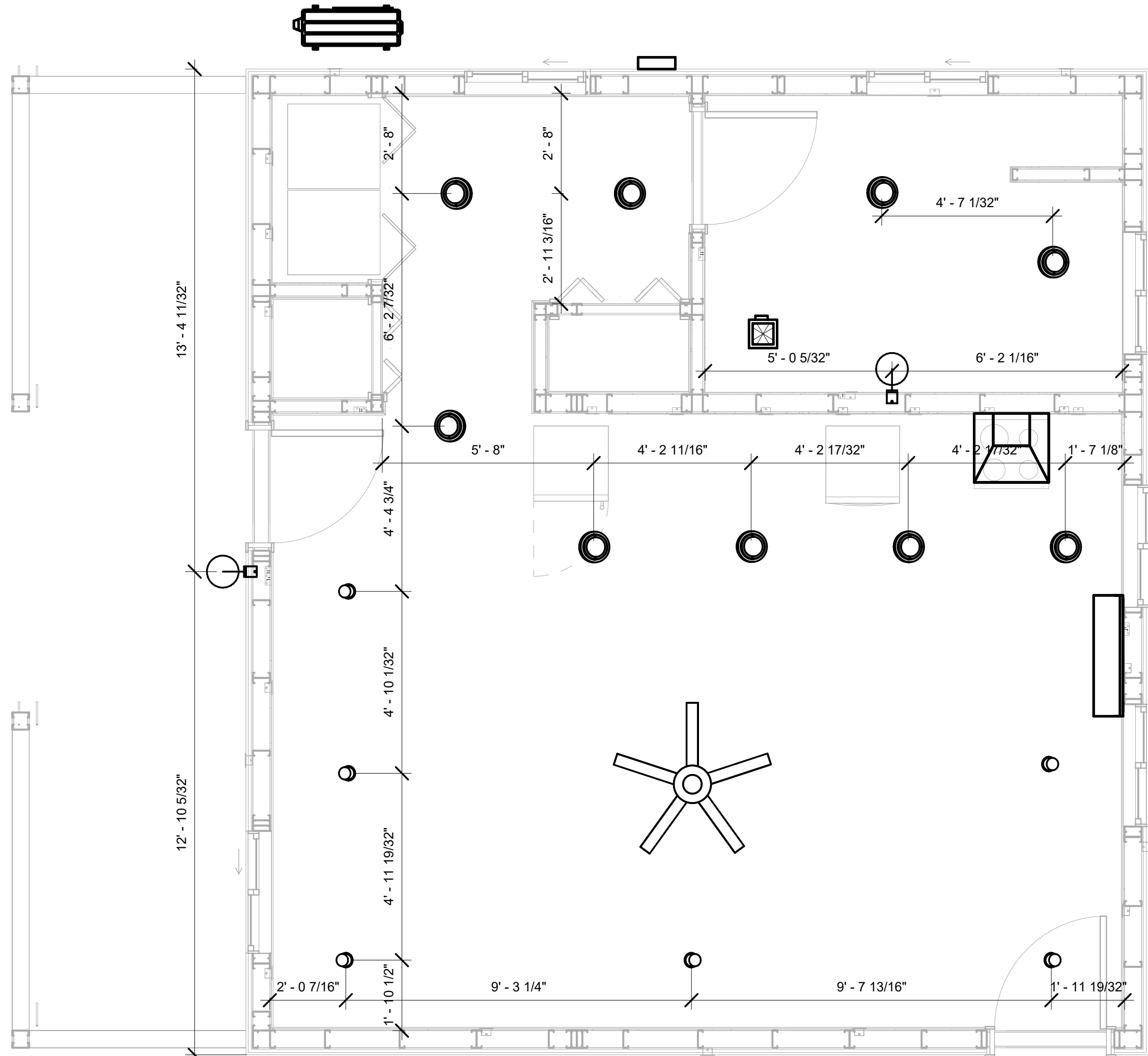
TYPE	COUNT
DOUBLE GANG SWITCH BOX	3
SINGLE GANG SWITCH BOX	1
TRIPLE GANG SWITCH BOX	1

LIGHTING DEVICE

TYPE	COUNT
DIMMER	3
FAN SWITCH	1
SINGLE POLE	5
THREE WAY WITH DIMMER	1

LIGHTING FIXTURE

LIGHTING FIXTURE TYPE	VOLTAGE	ELECTRICAL LOAD	COUNT
ELECTRICAL_LIGHTS_FAN-LIGHT1	120 V/1-100 VA- 120 V/1-100 VA	200 A, 120 V/240 V, SINGLE PHASE, 3 WIRES	1
LIGHTING_RECESSED	120 V/1-60 VA	200 A, 120 V/240 V, SINGLE PHASE, 3 WIRES	9
SASSO 100 ROUND WALLWASHER TRIM	120 V/1-28 VA	200 A, 120 V/240 V, SINGLE PHASE, 3 WIRES	6
WALL LAMP - BRACKET	120 V/1-100 VA	200 A, 120 V/240 V, SINGLE PHASE, 3 WIRES	2



1

DIMENSION FOR LIGHT FIXTURES
3/8" = 1'-0"

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

DRAWING NAME

DIMENSION PLAN
FOR LIGHT FIXTURES

CLIENT NAME:	Owner
PROJECT NUMBER:	0409_11
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E104

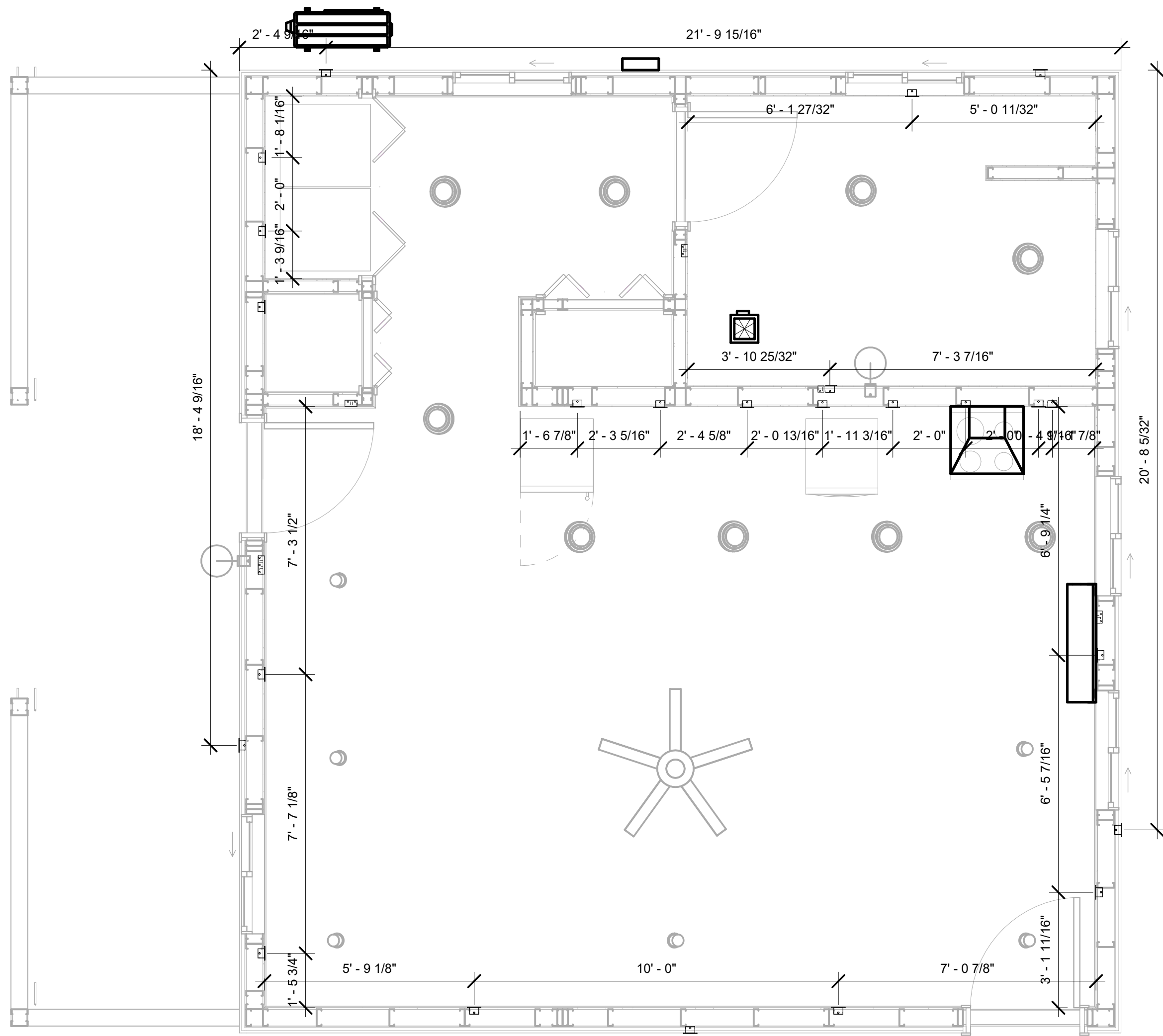
SCALE: As indicated

NOTES;

1. VERIFY EQUIPMENT PLUG CONFIGURATION BEFORE PURCHASING RECEPTACLES
2. FOR ALL EQUIPMENT.
3. COORDINATE EXACT LOCATION OF LIGHT FIXTURES, WALL SWITCHES, RECEPTACLES AND OTHER DEVICES WITH ARCHITECTURAL DRAWINGS.
4. USE METALLIC JUNCTION BOX WITH THE GFCI RECEPTACLES, WITH HIGHT VOLTAGE.

ELECTRICAL FIXTURE SCHEDULE (RECEPTACLE)	
TYPE	COUNT
CONDENSER	1
DRYER	1
GFCI BATH ROOM	2
GFCI DISHWASHER	1
GFCI KITCHEN	4
GFCI OUT DOOR	4
GFCI WASHER	1
OVEN HOOD	1
RANGE	1
REFRIGERATOR	1
STANDARD	6
WATER HEATER	1

ELECTRICAL OUTLET SCHEDULE			
TYPE	CIRCUIT NUMBER	ELECTRICAL DATA	COUNT
OVEN HOOD		120 V/1-180 VA	1
GFCI BATH ROOM	1	120 V/1-180 VA	2
DRYER	2,4	240 V/2-5000 VA	1
GFCI WASHER	3	120 V/1-1200 VA	1
WATER HEATER	5,7	240 V/2-4500 VA	1
REFRIGERATOR	8	120 V/1-1800 VA	1
GFCI KITCHEN	9	120 V/1-180 VA	4
GFCI DISHWASHER	10	120 V/1-1200 VA	1
RANGE	11,13	240 V/2-5000 VA	1
CONDENSER	12,14	240 V/2-5000 VA	1
GFCI OUT DOOR	15	120 V/1-180 VA	4
STANDARD	19	120 V/1-180 VA	6



1

DIMENSION FOR FITTINGS

3/8" = 1'-0"

KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

DRAWING NAME

DIMENSION PLAN
FOR FITTINGS

CLIENT NAME:	Owner
PROJECT NUMBER:	0409_11
DATE:	5/9/2025 4:40:46 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

E105

SCALE: As indicated

SHEET LIST	
SHEET NUMBER	SHEET NAME
P101	NOTE AND SCHEDULE
P102	WATER SUPPLY AND SEWAGE SYSTEM

PIPE COLOR SCHEME	
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	SANITARY VENT
	SANITARY SEWER
	STORM DRAINAGE
	GRAY WATER
	GAS LINE

PLUMBING NOTES

1. THE PLUMBING SYSTEM IS DESIGNED TO MEET THE BUILDING'S DOMESTIC WATER SUPPLY, SANITARY DRAINAGE, AND STORM DRAINAGE REQUIREMENTS, AS PER PROJECT SPECIFICATIONS AND APPLICABLE CODES.
2. THE SYSTEM INSTALLATION SHALL COMPLY WITH THE LATEST INTERNATIONAL PLUMBING CODE (IPC), INTERNATIONAL RESIDENTIAL CODE (IRC), AND ALL OTHER RELEVANT LOCAL, STATE, AND NATIONAL REGULATIONS.
3. ALL PLUMBING WORK SHALL COMPLY WITH THE LATEST EDITION OF THE INTERNATIONAL PLUMBING CODE (IPC) AND THE LOCAL PLUMBING CODE.
4. PLUMBING SYSTEMS SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH THE LOCAL PLUMBING CODE REQUIREMENTS.
5. PLUMBING FIXTURES SHALL BE INSTALLED WITH THE APPROPRIATE TRIM, FITTINGS, AND ACCESSORIES, AS RECOMMENDED BY THE MANUFACTURER.
6. PIPING SHALL BE PROPERLY SUPPORTED AND SECURED TO PREVENT SAGGING, MOVEMENT, AND VIBRATION.
7. SHUT-OFF VALVES SHALL BE PROVIDED AT ALL BRANCH CONNECTIONS AND AT THE INLET AND OUTLET OF EACH PIECE OF EQUIPMENT.
8. BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED AS REQUIRED BY THE LOCAL PLUMBING CODE TO PROTECT THE POTABLE WATER SYSTEM.
9. PLUMBING FIXTURES AND EQUIPMENT SHALL BE ACCESSIBLE FOR MAINTENANCE AND SERVICING.
10. EXPOSED PLUMBING PIPING AND FIXTURES SHALL BE INSULATED TO PREVENT CONDENSATION AND ENERGY LOSS.
11. DEAD ENDS IN THE DRAINAGE SYSTEM MUST BE AVOIDED, EXCEPT WHERE NECESSARY TO INSTALL A CLEANOUT IN AN ACCESSIBLE LOCATION, AND MUST HAVE A VENTED CONNECTION TO THE OUTSIDE ATMOSPHERE.
12. THE VERTICAL DEFLECTION OF PVC PIPE MUST NOT EXCEED 5%, AND NO DEFLECTION IS PERMITTED FOR IRON PIPE.
13. WORK MUST BE PROPERLY COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS, REFERRING TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR INFORMATION REGARDING CEILING ELEVATIONS, SPACE CLEARANCES, WALL AND PARTITION LOCATIONS, ETC.
14. ALL FIXTURES SHALL HAVE ACCESSIBLE STOPS.
15. DOMESTIC WATER PIPING SHALL BE PEX, AND PVC PIPING IS NOT ACCEPTABLE FOR INTERIOR USE.
16. VENT TERMINATIONS SHALL BE LOCATED AT LEAST 10 FEET FROM OR 3 FEET ABOVE ANY OPERABLE WINDOW, DOOR OPENING, AIR INTAKE, OR VENT SHAFT, AND AT LEAST 3 FEET IN EVERY DIRECTION FROM ANY LOT LINE, ALLEY, OR STREET.
17. PIPE AND FITTINGS UTILIZED IN THE WATER SUPPLY SYSTEM SHALL HAVE A MAXIMUM OF 8 PERCENT LEAD.
18. ACRYLONITRILE BUTADIENE STYRENE (ABS) SHALL BE USED FOR THE SEWERAGE AND VENTILATION SYSTEM.
19. CROSS-LINKED POLYETHYLENE (PEX) SHALL BE USED FOR THE WATER SUPPLY SYSTEM.
20. POLYVINYL CHLORIDE (PVC) SHALL BE USED FOR THE RAIN WATER SYSTEM.
21. THE MINIMUM WATER SUPPLY DEPTH UNDER FLOOR FINISH SHOULD BE 1/2".
22. ANY PIPE INSTALLED UNDERGROUND MUST HAVE AT LEAST 12 INCHES OF CLEARANCE BETWEEN THE OUTSIDE OF THE PIPE AND ANY OTHER UNDERGROUND STRUCTURE.
23. THE MINIMUM CLEARANCE BETWEEN COLD AND HOT WATER LINES IN RESIDENTIAL HOMES MAINTAIN A MINIMUM DISTANCE OF 6 INCHES.
24. HORIZONTAL SEPARATION BETWEEN WATER AND SEWER LINES : A MINIMUM OF 12 INCHES BETWEEN POTABLE WATER SUPPLY LINES (COLD AND HOT WATER) AND SANITARY SEWER LINES.

ABBREVIATIONS

Ø	DIAMETER
ABS	ACRYLONITRILE BUTADIENE STYRENE
ABV	ABOVE
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
BFF	BELOW FINISHED FLOOR
BLW	BELOW
CO	CLEAN OUT
CW	COLD WATER
D	DEGREE
DFU	DRANAGE FIXTURE UNIT
DIA	DIAMETER
DN	DOWN
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FL	FLOOR
FS	FLOOR SINK
FT	FOOT/FEET
HB	HOSE BIB
HW	HOT WATER
IN	INCH
MIN	MINIMUM
NO	NUMBER
NTS	NOT TO SCALE
PEX	CROSS-LINKED POLYETHYLENE
PLBG	PLUMBING
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RD	ROOF DRAIN
RED	REDUCER
RM	ROOM
RW	RAIN WATER
SF	SQUARE FOOT
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WCO	WALL CLEAN OUT
WSFU	WATER SUPPLY FIXTURE UNIT

PLUMBING LEGEND

	CAP
	BEND 45 DEG
	BEND 90 DEG
	TEE REDUCING
	TEE
	CLEAN TWO-WAY
	WYE 45 DEG
	WYE 45 DEG DOUBLE
	WYE COMBINATION
	P-TRAP

PIPE SCHEDULE		
MATERIAL	DIAMETER	LENGTH
ACRYLONITRILE BUTADIENE STYRENE (ABS)	1 1/2"	18 FT
ACRYLONITRILE BUTADIENE STYRENE (ABS)	2"	33 FT
ACRYLONITRILE BUTADIENE STYRENE (ABS)	2 1/2"	10 FT
ACRYLONITRILE BUTADIENE STYRENE (ABS)	3"	18 FT
CROSS-LINKED POLYETHYLENE (PEX)	1/2"	63 FT
CROSS-LINKED POLYETHYLENE (PEX)	3/4"	50 FT
POLYVINYL CHLORIDE - RIGID	2"	41 FT

FITTING SCHEDULE		
FITTING	SIZE	QTY
PEX 90 DEG ELBOW	1/2"ø-1/2"ø	3
PEX 90 DEGREE ELBOW	1/2"ø-1/2"ø	14
PEX 90 DEGREE ELBOW	3/4"ø-3/4"ø	1
PEX TEE ELBOW	1/2"ø-1/2"ø-1/2"ø	3
PEX TEE ELBOW	3/4"ø-3/4"ø-3/4"ø	4
PEX TRANSITION ELBOW	1"ø-3/4"ø	2
PEX TRANSITION ELBOW	3/4"ø-1/2"ø	3
PEX 90 DEG ELBOW	1/2"ø-1/2"ø	1
PEX 90 DEGREE ELBOW	1/2"ø-1/2"ø	8
PEX 90 DEGREE ELBOW	3/4"ø-3/4"ø	4
PEX TEE ELBOW	1/2"ø-1/2"ø-1/2"ø	1
PEX TEE ELBOW	3/4"ø-3/4"ø-3/4"ø	3
PEX TRANSITION ELBOW	3/4"ø-1/2"ø	6
PVC 90 DEG BEND ELBOW	2"ø-2"ø	5
PVC 90 DEGREE BEND ELBOW	2"ø-2"ø	10
ABS 90 DEGREE BEND ELBOW	1 1/2"ø-1 1/2"ø	1
ABS 90 DEGREE BEND ELBOW	2"ø-2"ø	2
ABS 90 DEGREE BEND ELBOW	3"ø-3"ø	1
ABS P-TRAP	1 1/2"ø-1 1/2"ø	3
ABS P-TRAP	2"ø-2"ø	1
ABS REDUCER ELBOW	2"ø-1 1/2"ø	1
ABS REDUCER ELBOW	3"ø-2"ø	1
ABS TEE ELBOW	1 1/2"ø-1 1/2"ø-1 1/2"ø	1
ABS TEE ELBOW	2"ø-2"ø-2"ø	1
ABS TEE ELBOW	3"ø-3"ø-3"ø	1
ABS TEE REDUCER ELBOW	2 1/2"ø-2 1/2"ø-1 1/2"ø	2
ABS TEE REDUCER ELBOW	2 1/2"ø-2 1/2"ø-2"ø	1
ABS TEE REDUCER ELBOW	3"ø-2 1/2"ø-3"ø	1
ABS TRAP P	2"ø-2"ø	1
WASTE DOUBLE TEE	2"ø-2"ø-2"ø-2"ø	1
ABS VENT CAP ELBOW	1 1/2"ø	1
ABS VENT CAP ELBOW	2"ø	2
ABS VENT CAP ELBOW	3"ø	1

FIXTURE CONNECTION SCHEDULE											
FAMILY	W	V	TRAP	CW	HW	QTY	DFU	TOT.	WFU	TOT.	NOTES
DISHWASHER	2"	1-1/2"	1-1/2"	1/2"	1/2"	1		0			DRAIN TO SEWER SEE PLANS
DRYER	N/A	N/A	N/A	N/A	N/A	1		0			
HANGING PIPES CLAMP						10		0			
SHOWER TRAY	2"	1-1/2"	1-1/2"	1/2"	1/2"	1		0			
SHOWER TRIM	-	-	-	1/2"	1/2"	1		0			
SINK ISLAND SINGLE	2"	1-1/2"	1-1/2"	1/2"	1/2"	1		0			
VANITY SINK	2"	1-1/2"	1-1/2"	1/2"	1/2"	1		0			
WASHER	2"	1-1/2"	2"	1/2"	1/2"	1		0			DRAINS TO GRAY WATER OR SEWER SEE PLANS
WATER CLOSET						1		0			
WATER HEATER	N/A	N/A	N/A	3/4"	3/4"	1		0			

FIXTURE SCHEDULE		
FIXTURE	QTY	DESCRIPTION
DISHWASHER	1	DRAIN TO SEWER SEE PLANS
DRYER	1	
HANGING PIPES CLAMP	10	
SHOWER TRAY	1	
SHOWER TRIM	1	
SINK ISLAND SINGLE	1	
VANITY SINK	1	
WASHER	1	DRAINS TO GRAY WATER OR SEWER SEE PLANS
WATER CLOSET	1	
WATER HEATER	1	

ACCESSORIES & FITTINGS SCHEDULE		
FIXTURE	QTY	DESCRIPTIONS
DISHWASHER CONNECTOR	1	
HOSE BIB	1	
LAUNDRY SWEAT CONNECTOR1	1	
SHUTOFF VALVE	6	

PLUMBING SCHEDULE					
FIXTURE	TRAP	WASTE	VENT	C.W	H.W
DISHWASHER	1-1/2"	2"	1-1/2"	1/2"	1/2"
DRYER	N/A	N/A	N/A	N/A	N/A
SHOWER TRAY	1-1/2"	2"	1-1/2"	1/2"	1/2"
SHOWER TRIM	-	-	-	1/2"	1/2"
SINK ISLAND SINGLE	1-1/2"	2"	1-1/2"	1/2"	1/2"
VANITY SINK	1-1/2"	2"	1-1/2"	1/2"	1/2"
WASHER	2"	2"	1-1/2"	1/2"	1/2"
WATER CLOSET					
WATER HEATER	N/A	N/A	N/A	3/4"	3/4"

WATER FIXTURE UNIT SCHEDULE			
FAMILY	QTY	UNIT VALUE	TOTAL
DISHWASHER	1		0
DRYER	1		0
HANGING PIPES CLAMP	10		0
SHOWER TRAY	1		0
SHOWER TRIM	1		0
SINK ISLAND SINGLE	1		0
VANITY SINK	1		0
WASHER	1		0
WATER CLOSET	1		0
WATER HEATER	1		0

WASTE FIXTURE UNIT SCHEDULE			
FAMILY	QTY	DFU VALUES	TOTAL
DISHWASHER	1		0
DRYER	1		0
HANGING PIPES CLAMP	10		0
SHOWER TRAY	1		0
SHOWER TRIM	1		0
SINK ISLAND SINGLE	1		0
VANITY SINK	1		0
WASHER	1		0
WATER CLOSET	1		0
WATER HEATER	1		0



KEY PLAN

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

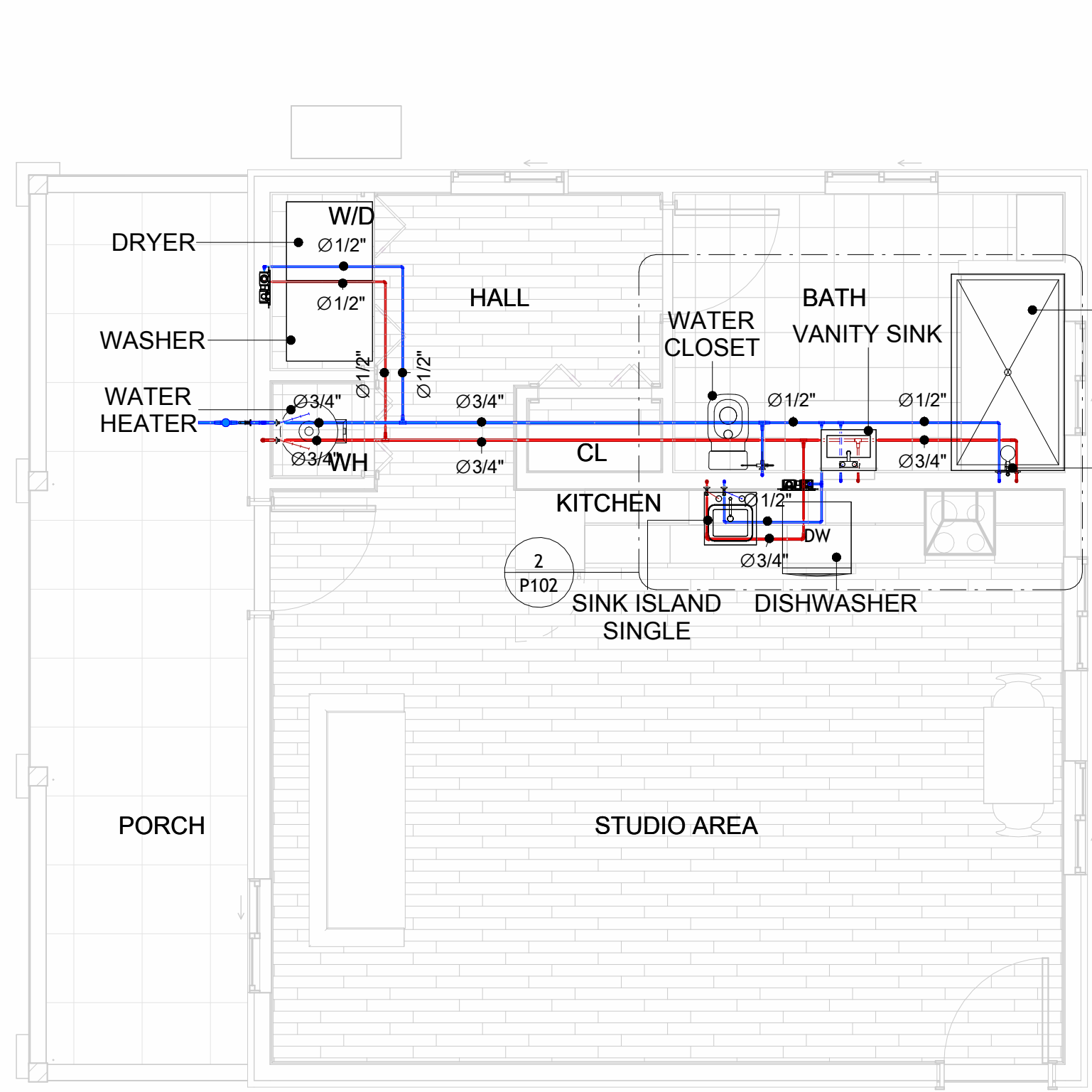
DRAWING NAME

NOTE AND SCHEDULE

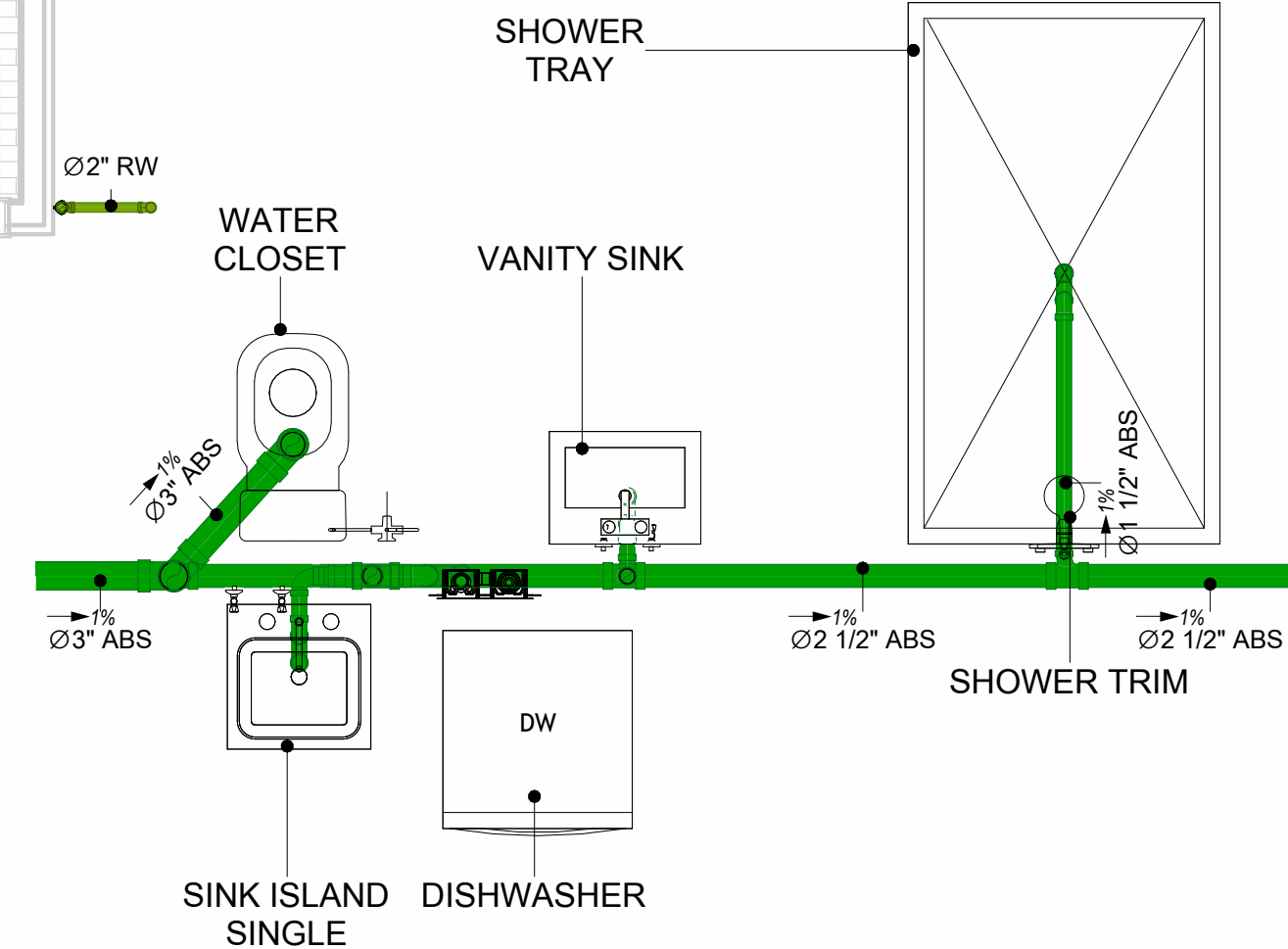
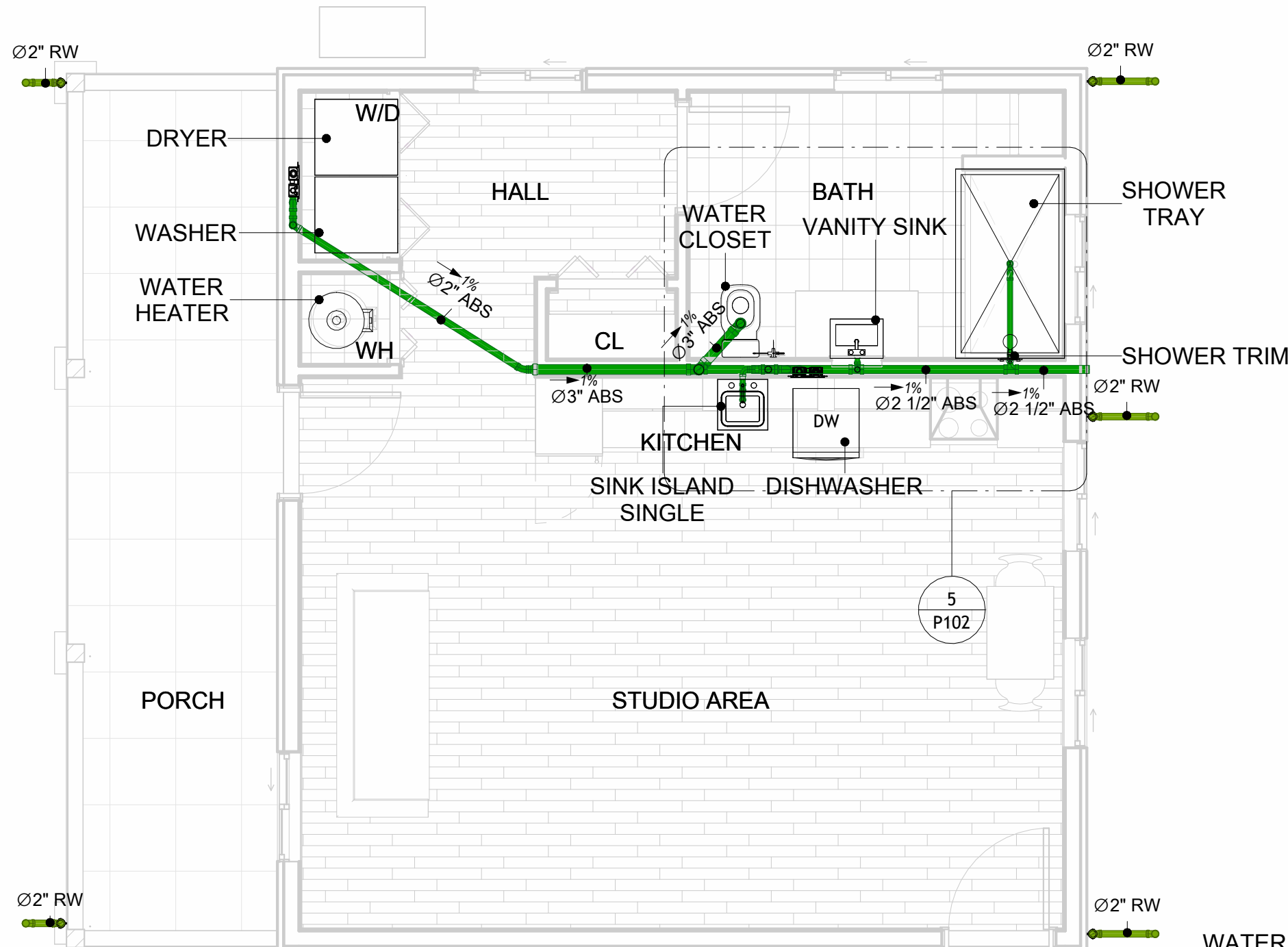
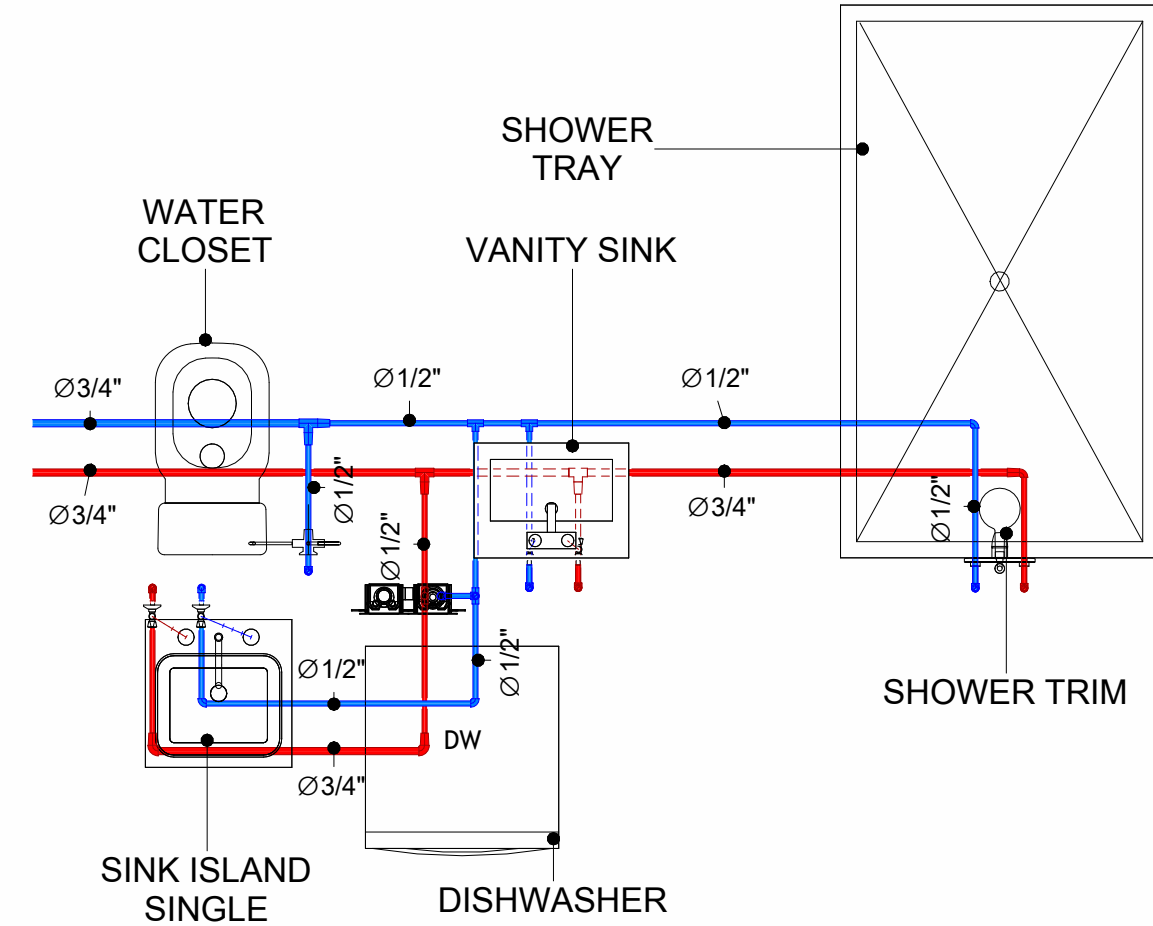
CLIENT NAME:	
PROJECT NUMBER:	0409_11
DATE:	5/12/2025 11:29:31 AM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

P101

SCALE: 1/2" = 1'-0"

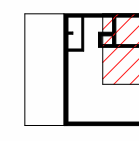


SHOWER TRAY
SHOWER TRIM



- PIPE COLOR SCHEME
- DOMESTIC COLD WATER
 - DOMESTIC HOT WATER
 - SANITARY VENT
 - SANITARY SEWER
 - STORM DRAINAGE
 - GRAY WATER
 - GAS LINE

KEY PLAN



NO.	DESCRIPTION	DATE

NOTE:

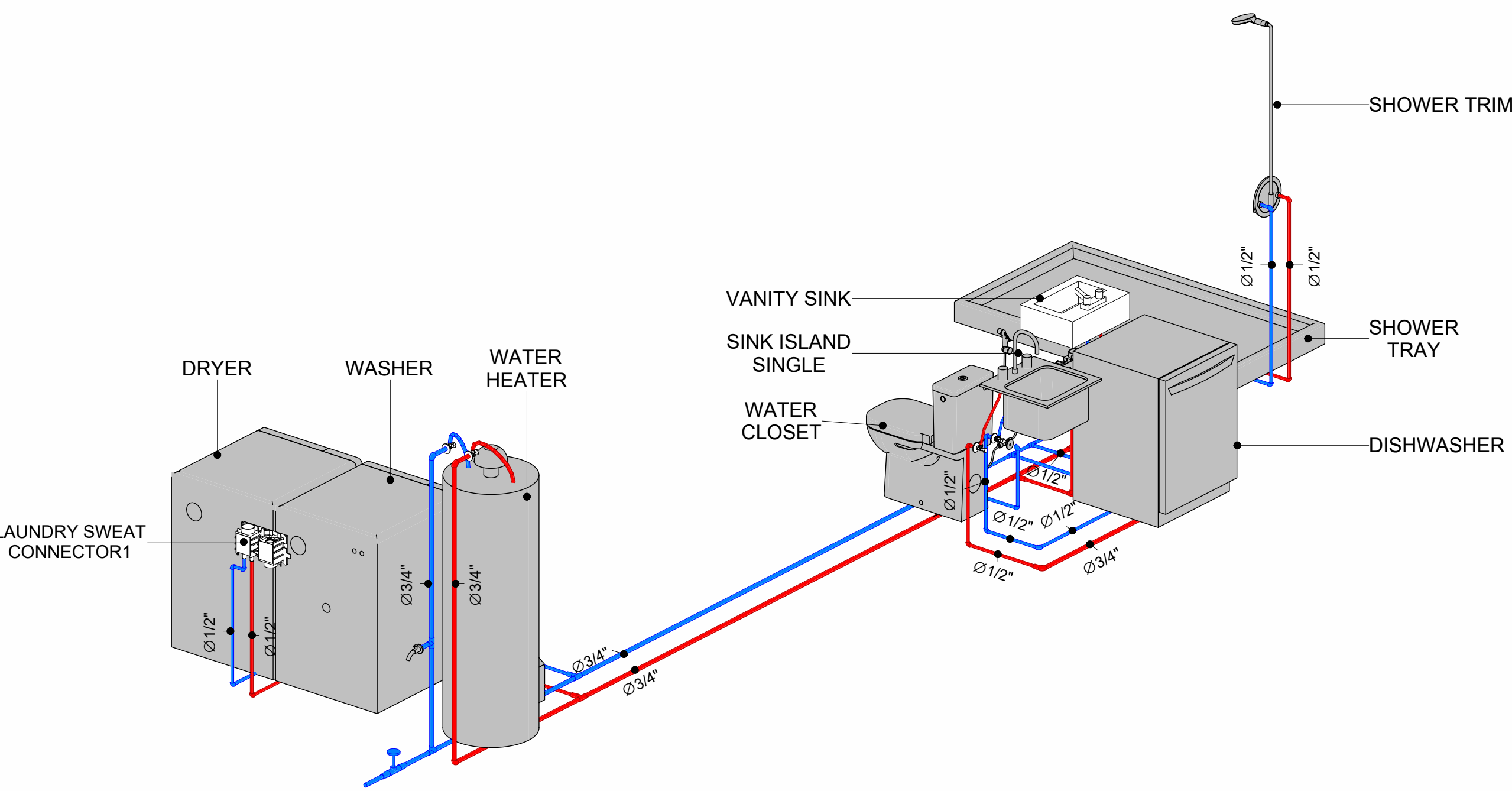
LEGEND:

1 OVERALL WATER SUPPLY
1/4" = 1'-0"

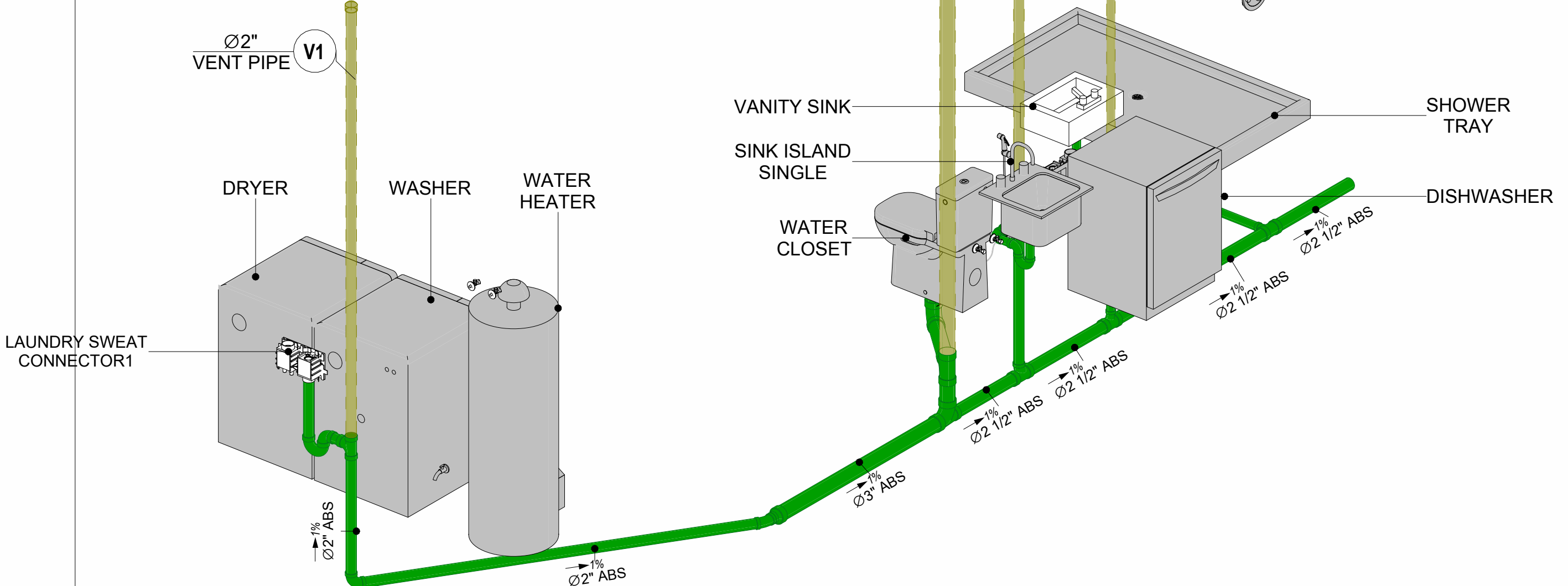
2 BATH AND KITCHEN WATER SUPPLY
1/2" = 1'-0"

4 OVERALL SANITARY
1/4" = 1'-0"

5 BATH AND KITCHEN SEWAGE
1/2" = 1'-0"



3 WATER SUPPLY RISER DIAGRAM



6 SEWAGE RISER DIAGRAM

PROJECT

235-EMBER-624-STUDIO
FARMHOUSE-BASE-550

DRAWING NAME

WATER SUPPLY AND
SEWAGE SYSTEM

CLIENT NAME:

PROJECT NUMBER: 0409_11

DATE: 5/12/2025 11:30:06 AM

DESIGNED BY: Designer

DRAWN BY: Author

CHECKED BY: Checker

P102

SCALE: As indicated

Materials Shopping List

Please print and take this Materials Shopping List to your favorite Home Depot and ask for assistance in selecting the materials, fixtures and fittings to complete your new home.

Record your selection and the price of the item. Then do the math to determine the cost for your selections and the total cost of finishing your home.

Have It Your Way!

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Have It Your Way!



20 good reasons to frame a home with metal and not wood



Why build your ADU with metal vs wood		Wood	Metal	Explanation
1	DIY Construction Benefit	☐	☒	The wall frames, trusses and beams can be erected in a just a few days
2	Minimal Construction Skills Required	☐	☒	Pre-assembled walls and trusses require no specialized skills to erect
3	Build as DIY, Hybrid or by a General Contractor	☐	☒	Do it yourself, Hybrid (involve special contractors) or hire a General Contractor
4	Build It As You Can Afford It	☐	☒	Impervious to Weather - build as you have the time and money
5	Up Front Cost of Framing Materials	☒	☐	As to only the framing material, wood is less expensive
6	Total Cost To Build	☐	☒	Savings in time, labor, and other areas make light gauge steel LESS expensive
7	Termites and wood boring insects	☐	☒	Termites, carpenter ants and wood boring insects eat wood, not metal
8	Mold resistant	☐	☒	Metal does not attract mold
9	Damage caused by exterior and interior flooding	☐	☒	Metal needs no reconditioning after a flood
10	Fire Resistant	☐	☒	Non-combustible
11	Lower insurance rates	☐	☒	Many insurance underwriters now provide lower rates for metal framed homes
12	Walls, trusses, and beams retain their original form	☐	☒	Perfectly straight walls - no shimming of drywall
13	Corners are 90 degrees	☐	☒	No need for templating of countertops to adjust for out of square corners
14	Strength and weight	☐	☒	Metal is stronger than wood and weighs less - no need for crane to lift ADU trusses
15	IBC Engineered Stamp	☐	☒	If an engineering stamp is necessary, months of waiting are saved
16	Complete BOM (Materials Shopping List)	☐	☒	Take the materials shopping list to Home Depot and start shopping/pricing
17	Flexible in Seismic Areas - Won't Fracture	☐	☒	Light gauge steel is flexible and won't fracture when the earth moves
18	No Waste At Job Site	☐	☒	Steel is the most recycled material in the world. A typical wood home has 20-30% waste
19	Environmentally Friendly	☐	☒	Trees don't have to be destroyed and the source of most metal is from recycling
20	How-To Videos Included	☐	☒	How-to videos provide simple assembly instructions
21	Relationship Counselor	☐	☒	Eliminate emotional uphevels - save time, money, and preserve the relationship

Universal Requirements - some or all may be required	
1	Site plan
2	Electrical Supply Connection
3	Sewer Connection
4	Fresh Water Supply Connection
5	Set Backs
6	Soils Evaluation
7	Earthquake (fault) evaluation
8	Foundation Plan - subject to soils
9	Compliance with local energy codes: insulation home wrap and flashing
10	Engineering for wind speed and snow load.
11	State and Local ordinances regarding ADUs
12	Local Architect and/or Engineer may be necessary



Ember-Studio-Farmhouse-Base

MATERIAL SHOPPING LIST

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ARCHITECTURAL BOM



Ember-Studio-Farmhouse-Base							
ARCHITECTURAL MATERIAL SHOPPING LIST							
No.	Item	Type	Unit	Quantity	Unit Price	Total	Description
APPLIANCES							
1	Refrigerator		PCS	1			
2	Range		PCS	1			
3	Washer		PCS	1			
4	Dryer		PCS	1			
5	Dish Washer		PCS	1			
6	Oven		PCS	0			
7	Microwave		PCS	0			
CASEWORKS							
1	Kitchen Cabinet		FT	15.83			
2	Laundry Cabinet		FT	0			
3	Vanity Cabinet		FT	3.6			
4	Medicine Cabinet		PCS	1			
5	Kitchen countertop		SF	24.61			
6	Laundry Countertop		PCS	0			
7	Bathroom Countertop		SF	0			
8	Island		FT	0			
9	Peninsula		FT	0			
10	Closets		SF	34			
CEILING							
1	Ceiling Board	Dry Wall	SF	268			
2	Dry Wall Fastener	Screw	PCS	469			
3	Vapor Retarder	Polyethylene film	SF	520			
4	Vapor Retarder Fastener	Nails with washer heads	PCS	1560			
5	Ceiling Board (MRD)	Moisture resistant drywall	SF	95			
6	MRD Fastener		PCS	166			
7	Ceiling Board	Marine Plywood	SF	157			
8	Marine Plywood Fastener	Screw	PCS	275			
9	Dry Wall Tape		FT	260			
FLOORING							
1	Main Living Space		SF	443.48			
2	Bathroom		SF	95.57			
3	Porch		SF	163.84			
STRUCTURE							
1	Foundation		SF	779.54			
WALLS EXTERIOR							
1	Exterior-Grade Plywood Horizontal Siding		SF	681			
2	Exterior-Grade Plywood Fastener	Self-drilling screws(100/pkt)	PKT	41			
3	Wall Shteathing (OSB)		SF	681			
4	Shteathing Fastener	Self-drilling screws(100/pkt)	PKT	7			
5	Wall Homewrap		SF	681			
6	Homewrap Fastener	Stapled fastener (200/pkt)	PKT	3			
7	Furring Strip		PCS	85			
8	Furring Strip Fastener	Self-drilling screws(100/pkt)	PKT	7			
9	Wall Paint		SF	681			
10	Stone Copping	Masonry stone	SF	0			
11	Stone Veneer	Masonry stone	SF	0			
12	Mortar for Stone Veneer		SF	0			
13	Wall Insulation		SF	2853.0			
WALLS INTERIOR							
1	Cementitious Backer Board		SF	534			
2	Kerdi membrane		SF	534			
3	Kerdi membrane Fastener		SF	534			
4	Wall Ceramic Tile		SF	534			
5	Drywall Board		SF	1099			
6	Drywall Fastener	Self-drilling screws(100/pkt)	PKT	10.99			
7	Wall Paint		SF	1099			
8	Drywall Tape		FT	206			
9	Wall Sweep		FT	78			

ARCHITECTURAL BOM



🏠 DOORS							
1	Interior Swinging	3' - 0" X 6'-8"	PCS	1			
2	Exterior Swinging	3' - 0" X 6'-8"	PCS	2			
3	Bifold	2' - 4" X 6'-8"	PCS	1			
4	Bifold	3' - 3" X 6'-8"	PCS	1			
5	Bifold	4' - 10" X 6'-8"	PCS	1			
6	Exterior Door Trim		FT	35			
7	Interior Door Trim		FT	168			
8	Entry Lock set			2			
9	Privacy Lock set			1			
10	Passage Lock set			3			
🏠 WINDOWS							
1	Sliding	3' - 3" X 3'-3"	PCS	4			
2	Sliding	3' - 3" X 1'-9"	PCS	2			
3	Exterior Window Trim		FT	125			
4	Interior Window Trim		FT	125			
🏠 ROOF							
1	Roof Covering		SF	1041.0			
2	Roof Covering Fastener		PCS	521			
3	Roof Felt Paper		SF	1041.0			
4	Roof Felt Paper Fastener		PCS	3123.0			
5	Roof Sheathing		SF	1041			
6	Roof Sheathing Fastener		PCS	8328			
7	Batten		FT	529.0			
8	Batten Fastener		PCS	397.7			
9	Soffit		SF	205.0			
10	Soffit Fastener		PCS	102.5			
11	Fascia		FT	129.0			
12	Fascia board fastener		PCS	65			
13	Roof Insulation		SF	1041.0			

Ember-Studio-Farmhouse-Base

ELECTRICAL MATERIAL SHOPPING LIST

No.	Item	Type	Unit	Quantity	Unit Price	Total	Description
⬇ LIGHTING FIXTURES							
1	Kitchen Ceiling Light		PCS	4			
2	Kitchen Wall Mounted Light		PCS	0			
3	Exterior Wall Mounted Light		PCS	1			
4	Livingroom Ceiling Light With Fan		PCS	1			
5	Bedroom Ceiling Light With Fan		PCS	0			
6	Dining Ceiling Light		PCS	0			
7	Bath Wall Mounted Light		PCS	1			
8	Bathroom Ceiling Light		PCS	2			
9	Livingroom Ceiling Light		PCS	6			
10	Bedroom Ceiling Light		PCS	0			
11	Hall & Entry Ceiling Light		PCS	3			
12	Closet Ceiling Light		PCS	0			
13	Smoke Detector		PCS	0			
⬇ ELECTRICAL FITTINGS							
14	Standard Receptacle 120V	20A	PCS	6			
15	GFCI Receptacle 120V	20 A	PCS	14			
16	GFCI Receptacle 240V	30 A	PCS	2			
17	GFCI Receptacle 240V	50 A	PCS	1			
18	GFCI Receptacle 240V	60 A	PCS	1			
19	Fan Switch		PCS	1			
20	Single Pole Switch		PCS	5			
21	Three Way Switch		PCS	1			
22	Dimmer Switch		PCS	3			
⬇ ELECTRICAL CONDUITS & WIRING							
23	ROMEX 14 AWG	14/2/W/ground	FT	52			
24	ROMEX 12 AWG	12/3/W/ground	FT	297			
25	ROMEX 12 AWG	12/2/W/ground	FT	0			
26	ROMEX 10 AWG	10/3/W/ground	FT	0			
27	ROMEX 10 AWG	10/2/W/ground	FT	51			
28	Romex 8 AWG	8/3/W/ground	FT	0			
29	Romex 8 AWG	8/2/W/ground	FT	26			
30	ROMEX 6 AWG	6/3/W/ground	FT	19			
31	Bare Copper Ground Wire 6 AWG		FT				
⬇ ELECTRICAL BOXES & CIRCUTES							
32	Panelboard -240V 1 Phase MLO	200 AMP	PCS	1			
33	Circuit breaker	15 A	PCS	2			
34	Circuit breaker	20 A	PCS	9			
36	Circuit breaker	30 A	PCS	2			
37	Circuit breaker	50 A	PCS	1			
39	Circuit breaker	60 A	PCS	1			
40	Single Gang Switch Box		PCS	1			
41	Double Gang Switch Box		PCS	3			
42	Triple Gang Switch Box		PCS	1			
43	Pull Box	#1/4	PCS	13			
44	Receptacle Box		PCS	24			

PLUMBING BOM



Ember-Studio-Farmhouse-Base							
PLUMBING SYSTEM MATERIAL SHOPPING LIST							
No.	Item	Type	Unit	Quantity	Unit Price	Total	Description
PLUMBING FIXTURES & ACCESSORIES							
1	Bath Tub (Alcove Tub)		PCS	0			
2	Kitchen Sink		PCS	1			
3	Kitchen Faucets		PCS	1			
4	Vanity Sink		PCS	2			
5	Bath room Faucets		PCS	2			
6	Water Closet		PCS	1			
7	Shower Trim		PCS	1			
8	Shower Tray		PCS	1			
9	Water Heater		PCS	1			
10	Hose Bib		PCS	1			
11	Shutoff Valve		PCS	6			
12	Hanging pipe clamp		PCS	10			
13	Globe Valve		PCS	1			
14	Dishwasher Supply Single Connector		PCS	1			
15	Dishwasher Sewage Single Connector		PCS	1			
16	Laundry Sweat Connector		PCS	1			
SANITARY & PLUMBING PIPES							
1	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 2 1/2"	FT	10			
2	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 1 1/2"	FT	20			
3	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 2"	FT	47			
4	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 3"	FT	6			
5	PEX (Cross-linked polyethylene) Pipes	ø 1/2"	FT	91			
6	PEX (Cross-linked polyethylene) Pipes	ø 3/4"	FT	42			
7	Polyvinyl Chloride - Rigid	1 1/2"	FT	15			
8	Polyvinyl Chloride - Rigid	2"	FT	59			
PIPE FITTINGS							
1	ABS 90 Degree Bend Elbow	1 1/2"ø-1 1/2"ø	PCS	1			
2	ABS 90 Degree Bend Elbow	2"ø-2"ø	PCS	2			
3	ABS 90 Degree Bend Elbow	3"ø-3"ø	PCS	1			
4	ABS P-Trap	1 1/2"ø-1 1/2"ø	PCS	3			
5	ABS P-Trap	2"ø-2"ø	PCS	1			
6	ABS Reducer Elbow	2"ø-1 1/2"ø	PCS	1			
7	ABS Reducer Elbow	3"ø-2"ø	PCS	1			
8	ABS TEE Elbow	1 1/2"ø-1 1/2"ø-1 1/2"ø	PCS	1			
9	ABS TEE Elbow	2"ø-2"ø-2"ø	PCS	1			
10	ABS TEE Elbow	3"ø-3"ø-3"ø	PCS	1			
11	ABS Tee Reducer Elbow	2 1/2"ø-2 1/2"ø-1 1/2"ø	PCS	2			
12	ABS Tee Reducer Elbow	2 1/2"ø-2 1/2"ø-2"ø	PCS	1			
13	ABS Tee Reducer Elbow	3"ø-2 1/2"ø-3"ø	PCS	1			
14	ABS Trap P	2"ø-2"ø	PCS	1			
15	WASTE DOUBLE TEE	2"ø-2"ø-2"ø-2"ø	PCS	1			
16	ABS Vent Cap Elbow	1 1/2"ø	PCS	1			
17	ABS Vent Cap Elbow	2"ø	PCS	2			
18	ABS Vent Cap Elbow	3"ø	PCS	1			
19	PEX 90 Deg Elbow	1/2"ø-1/2"ø	PCS	3			
20	PEX 90 Degree Elbow	1/2"ø-1/2"ø	PCS	14			
21	PEX 90 Degree Elbow	3/4"ø-3/4"ø	PCS	1			
22	PEX Tee Elbow	1/2"ø-1/2"ø-1/2"ø	PCS	3			
23	PEX Tee Elbow	3/4"ø-3/4"ø-3/4"ø	PCS	4			
24	PEX Transition Elbow	1"ø-3/4"ø	PCS	2			
25	PEX Transition Elbow	3/4"ø-1/2"ø	PCS	3			
26	PEX 90 Deg Elbow	1/2"ø-1/2"ø	PCS	1			
27	PEX 90 Degree Elbow	1/2"ø-1/2"ø	PCS	8			
28	PEX 90 Degree Elbow	3/4"ø-3/4"ø	PCS	4			
29	PEX Tee Elbow	1/2"ø-1/2"ø-1/2"ø	PCS	1			
30	PEX Tee Elbow	3/4"ø-3/4"ø-3/4"ø	PCS	3			
31	PEX Transition Elbow	3/4"ø-1/2"ø	PCS	6			
32	PVC 90 Deg Bend Elbow	2"ø-2"ø	PCS	5			
33	PVC 90 Degree Bend Elbow	2"ø-2"ø	PCS	10			

HVAC BOM

Ember-Studio-Farmhouse-Base							
HVAC SYSTEM MATERIAL SHOPPING LIST							
No.	Item	Type	Unit	Quantity	Unit Price	Total	Description
🔗 HVAC DUCTS							
1	PIPE (REFRIGERANT LINE)	3/8" (Ø)	FT	53.27			
2	PIPE (REFRIGERANT LINE)	3/4" (Ø)	FT	61.26			
3	DRAYER HOSE	4" (Ø)	FT	7.6			
4	FLEX DUCT ROUND	4" (Ø)	FT	5.54			
🔗 DUCT FITTINGS & ACCESSORIES							
5	ELBOW (REFRIGERANT LINE)	3/4" (Ø)-3/4" (Ø)	PCS	14			
6	ELBOW (REFRIGERANT LINE)	3/8" (Ø)-3/8" (Ø)	PCS	13			
7	TRANSITION (REFRIGERANT)	3/4" (Ø)-1/2" (Ø)	PCS	2			
8	TRANSITION (REFRIGERANT)	3/4" (Ø)-5/8" (Ø)	PCS	1			
9	TRANSITION (REFRIGERANT)	3/8" (Ø)-1/4" (Ø)	PCS	1			
🔗 HVAC EQUIPMENTS							
10	AIR HANDLING UNIT	WALL MOUNTED	PCS	1			
11	CONDENSER	OUTDOOR UNIT	PCS	1			
12	EXHAUST FAN	75 CFM	PCS	1			
13	EXHAUST HOOD	WALL MOUNTED	PCS	1			
14	HOOD-WALL: VENT	HOOD-WALL: VENT	PCS	1			
15	DRAYER: VENT	DRAYER: VENT	PCS	1			
16	ROOF VENT	3"(Ø)	PCS	1			

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ELECTRICAL BOM



LIGHTING FIXTURES							
#	Item	Type	Description,Manufacturer,SKU	Unit	Quantity	Unit Price	Total
1	Kitchen Ceiling Light			PCS	4		
3	Kitchen Wall Mounted Light			PCS	0		
4	Exterior Wall Mounted Light			PCS	3		
5	Livingroom Ceiling Light With Fan			PCS	1		
6	Bedroom Ceiling Light With Fan			PCS	0		
7	Dining Ceiling Light			PCS	0		
8	Bath Wall Mounted Light			PCS	1		
9	Bathroom Ceiling Light			PCS	2		
10	Livingroom Ceiling Light			PCS	6		
11	Bedroom Ceiling Light			PCS	0		
12	Hall & Entry Ceiling Light			PCS	3		
12	Garage Ceiling Light			PCS	4		
13	Smoke Detector			PCS	0		
14							
15							

ELECTRICAL BOM



ELECTRICAL FITTINGS							
#	Item	Type	Description,Manufacturer,SKU	Unit	Quantity	Unit Price	Total
1	Standard Receptacle 120V	20A		PCS	6		
2	GFCI Receptacle 120V	20 A		PCS	19		
3	GFCI Receptacle 240V	30 A		PCS	2		
4	GFCI Receptacle 240V	50 A		PCS	1		
5	GFCI Receptacle 240V	60 A		PCS	1		
6	Fan Switch			PCS	1		
7	Single Pole Switch			PCS	6		
8	Three Way Switch			PCS	1		
9	Dimmer Switch			PCS	4		
10							
11							
12							
13							
14							
15							

ELECTRICAL BOM



ELECTRICAL CONDUITS & WIRING							
#	Item	Type	Description,Manufacturer,SKU	Unit	Quantity	Unit Price	Total
1	ROMEX 14 AWG	14/2/W/ground		FT	52		
3	ROMEX 12 AWG	12/3/W/ground		FT	403		
4	ROMEX 12 AWG	12/2/W/ground		FT	0		
6	ROMEX 10 AWG	10/3/W/ground		FT	0		
8	ROMEX 10 AWG	10/2/W/ground		FT	51		
9	Romex 8 AWG	8/3/W/ground		FT	0		
10	Romex 8 AWG	8/2/W/ground		FT	26		
11	ROMEX 6 AWG	6/2/W/ground		FT	19		
12	Bare Copper Ground Wire 6 AWG			FT			
13							
14							
15							
16							

ELECTRICAL BOM



ELECTRICAL BOXES & CIRCUTES							
#	Item	Type	Description,Manufacturer,SKU	Unit	Quantity	Unit Price	Total
1	Panelboard -240V 1 Phase MLO	200 AMP		PCS	1		
2	Circuit breaker	15 A		PCS	2		
3	Circuit breaker	20 A		PCS	11		
4	Circuit breaker	30 A		PCS	2		
5	Circuit breaker	50 A		PCS	1		
6	Circuit breaker	60 A		PCS	1		
7	Single Gang Switch Box			PCS	1		
8	Double Gang Switch Box			PCS	4		
9	Triple Gang Switch Box			PCS	1		
10	Pull Box	#1/4		PCS	16		
11	Receptacle Box			PCS	29		
12							
13							
14							
15							

HVAC BOM



HVAC_DUCTS 01

#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	PIPE (REFRIGERANT LINE)	3/8" (Ø)		FT	53.27		
2	PIPE (REFRIGERANT LINE)	3/4" (Ø)		FT	61.26		
3	DRAYER HOSE	4" (Ø)		FT	7.6		
4	FLEX DUCT ROUND	4" (Ø)		FT	5.54		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

HVAC BOM

#	DUCT FITTINGS & ACCESSORIES						
	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	ELBOW (REFRIGERANT LINE)	3/4" (Ø)-3/4" (Ø)		PCS	14		
2	ELBOW (REFRIGERANT LINE)	3/8" (Ø)-3/8" (Ø)		PCS	13		
3	TRANSITION (REFRIGERANT LINE)	3/4" (Ø)-1/2" (Ø)		PCS	2		
4	TRANSITION (REFRIGERANT LINE)	3/4" (Ø)-5/8" (Ø)		PCS	1		
5	TRANSITION (REFRIGERANT LINE)	3/8" (Ø)-1/4" (Ø)		PCS	1		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

HVAC BOM

			HVAC_EQUIPMENTS				
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	AIR HANDLING UNIT	WALL MOUNTED		PCS	1		
2	CONDENSER	OUTDOOR UNIT		PCS	1		
3	EXHAUST FAN	75 CFM		PCS	1		
4	EXHAUST HOOD	WALL MOUNTED		PCS	1		
5	HOOD-WALL: VENT	HOOD-WALL: VENT		PCS	1		
6	DRAYER: VENT	DRAYER: VENT		PCS	1		
7	ROOF VENT	3"(Ø)		PCS	1		
8							
9							
10							
11							
12							
13							
14							

PLUMBING BOM



 PLUMBING FIXTURES & ACCESSORIES							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Bath Tub (Alcove Tub)			PCS	1		
2	Kitchen Sink			PCS	1		
3	Kitchen faucets			PCS	1		
4	Vanity Sink			PCS	1		
5	Bath room faucets			PCS	1		
6	Water Closet			PCS	1		
7	Shower Trim			PCS	1		
8	Shower Tray			PCS	1		
9	Water Heater			PCS	1		
10	Hose Bib			PCS	1		
11	Shutoff Valve			PCS	6		
12	Hanging pipe clamp			PCS	10		
13	Globe Valve			PCS	1		
14	Dishwasher Supply Single Connector			PCS	1		
15	Dishwasher Sewage Single Connector			PCS	1		
16	Laundry Sweat Connector			PCS	1		

PLUMBING BOM



 SANITARY & PLUMBING PIPES							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 2 1/2"		FT	10		
2	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 1 1/2"		FT	18		
3	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 2"		FT	33		
4	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 3"		FT	18		
5	PEX (Cross-linked polyethylene) Pipes	ø 1/2"		FT	63		
6	PEX (Cross-linked polyethylene) Pipes	ø 3/4"		FT	50		
7	PEX (Cross-linked polyethylene) Pipes	ø 1"		FT	0		
8	PVC Pipes Sch.80 - Rigid	ø 1 1/2"		FT	0		
9	PVC Pipes Sch.80 - Rigid	ø 2"		FT	41		
10	PVC Pipes Sch.80 - Rigid	ø 3"		FT	0		
11	Flex Pipe Round	ø 1/2"		FT	8		
12	Flex Pipe Round	ø 3/4"		FT	0		
13	Flex Pipe Round	ø 1"		FT	0		
14							
15							

PLUMBING BOM



 PIPE FITTINGS 01							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	ABS 90 Degree Bend Elbow	1 1/2"Ø-1 1/2"Ø		PCS	1		
2	ABS 90 Degree Bend Elbow	2"Ø-2"Ø		PCS	2		
3	ABS 90 Degree Bend Elbow	3"Ø-3"Ø		PCS	1		
4	ABS P-Trap	1 1/2"Ø-1 1/2"Ø		PCS	3		
5	ABS P-Trap	2"Ø-2"Ø		PCS	1		
6	ABS Reducer Elbow	2"Ø-1 1/2"Ø		PCS	1		
7	ABS Reducer Elbow	3"Ø-2"Ø		PCS	1		
8	ABS TEE Elbow	1 1/2"Ø-1 1/2"Ø-1 1/2"Ø		PCS	1		
9	ABS TEE Elbow	2"Ø-2"Ø-2"Ø		PCS	1		
10	ABS TEE Elbow	3"Ø-3"Ø-3"Ø		PCS	1		
11	ABS Tee Reducer Elbow	2 1/2"Ø-2 1/2"Ø-1 1/2"Ø		PCS	2		
12	ABS Tee Reducer Elbow	2 1/2"Ø-2 1/2"Ø-2"Ø		PCS	1		
13	ABS Tee Reducer Elbow	3"Ø-2 1/2"Ø-3"Ø		PCS	1		
14	ABS Trap P	2"Ø-2"Ø		PCS	1		
15	WASTE DOUBLE TEE	2"Ø-2"Ø-2"Ø-2"Ø		PCS	1		
 PIPE FITTINGS 02							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	PEX 90 Deg Elbow	1/2"Ø-1/2"Ø		PCS	3		

PLUMBING BOM



2	PEX 90 Degree Elbow	1/2"Ø-1/2"Ø	PCS	14
3	PEX 90 Degree Elbow	3/4"Ø-3/4"Ø	PCS	1
4	PEX Tee Elbow	1/2"Ø-1/2"Ø-1/2"Ø	PCS	3
5	PEX Tee Elbow	3/4"Ø-3/4"Ø-3/4"Ø	PCS	4
6	PEX Transition Elbow	1"Ø-3/4"Ø	PCS	2
7	PEX Transition Elbow	3/4"Ø-1/2"Ø	PCS	3
8	PEX 90 Deg Elbow	1/2"Ø-1/2"Ø	PCS	1
9	PEX 90 Degree Elbow	1/2"Ø-1/2"Ø	PCS	8
10	PEX 90 Degree Elbow	3/4"Ø-3/4"Ø	PCS	4
11	PEX Tee Elbow	1/2"Ø-1/2"Ø-1/2"Ø	PCS	1
12	PEX Tee Elbow	3/4"Ø-3/4"Ø-3/4"Ø	PCS	3
13	PEX Transition Elbow	3/4"Ø-1/2"Ø	PCS	6
14	PVC 90 Deg Bend Elbow	2"Ø-2"Ø	PCS	5
15	PVC 90 Degree Bend Elbow	2"Ø-2"Ø	PCS	10

PLUMBING BOM

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ARCHITECTURAL BOM



APPLIANCES							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Refrigerator			PCS	1		
2	Range			PCS	1		
3	Washer Front Load	Stackable		PCS	1		
4	Dryer Front Load	Stackable		PCS	1		
5	Dish Washer			PCS	1		
6	Oven			PCS	0		
7	Microwave			PCS	0		
8							
9							
10							
11							
12							
13							
14							
15							
16							



CASEWORKS 01							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Kitchen Cabinet			FT	15.83		
2	Laundry Cabinet			FT	0		
3	Vanity Cabinet			FT	3.6		
4	Medicine Cabinet			PCS	1		
5	Kitchen countertop			SF	24.61		
6	Laundry Countertop			PCS	0		
7	Bathroom Countertop			SF	0		
8	Island			FT	0		
9	Peninsula			FT	0		
10	Closets			SF	34		
11							
12							
13							
14							
15							

ARCHITECTURAL BOM



CEILING 01							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
STUDIO AREA				SF	196.0		
1	Ceiling Board	Drywall		SF	196		
2	Drywall Fastener	Screw		PCS	343		
3	Vapor Retarder	Polyethylene film		SF	196		
4	Vapor Retarder Fastener	Nails with washer heads		PCS	588		
BATH ROOM				SF	95.0		
5	Ceiling Board	MRD (Moisture resistant drywall)		SF	95		
6	MRD Fastener	Screw		PCS	166		
W/D				SF	15.0		
7	Ceiling Board	Drywall		SF	15		
8	Drywall Fastener	Screw		PCS	26		
9	Vapor Retarder	Polyethylene film		SF	15		
10	Vapor Retarder Fastener	Nails with washer heads		PCS	45		
PORCH				SF	157.0		
11	Ceiling Board	Marine Plywood		SF	157		
12	Exterior Grade Plywood	Screw		PCS	275		

ARCHITECTURAL BOM



CEILING 02							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	WH			SF	8.0		
13	Ceiling Board	Drywall		SF	8		
14	Drywall Fastener	Screw		PCS	14		
15	Vapor Retarder	Polyethylene film		SF	8		
16	Vapor Retarder Fastener	Nails with washer heads		PCS	24		
	CLOSET			SF	7.0		
17	Ceiling Board	Drywall		SF	7		
18	Drywall Fastener	Screw		PCS	12		
19	Vapor Retarder	Polyethylene film		SF	7		
20	Vapor Retarder Fastener	Nails with washer heads		PCS	21		
	HALL			SF	42.0		
21	Ceiling Board	Drywall		SF	42		
22	Drywall Fastener	Screw		PCS	74		
23	Vapor Retarder	Polyethylene film		SF	42		
24	Vapor Retarder Fastener	Nails with washer heads		PCS	126		

ARCHITECTURAL BOM



FLOORING INTERIOR 01							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	CLOSET						
1	Closet Flooring			SF	8		
2	Wood underlay	Foam Pad Polyethylene		SF	8		
3	Vapor Retarder	Vapor Barrier Polyethylene		SF	8		
	LIVING ROOM AND KITCHEN						
4	Tile Finish			SF	435		
5	Adhesive	1/2" Thin set Mortar		SF	435		
6	Vapor Retarder	Vapor Barrier Polyethylene		SF	435		
	BATHROOM						
7	Tile Finish			SF	73		
8	Adhesive	1/2" Thin set Mortar		SF	73		
9	Vapor Retarder	Vapor Barrier Polyethylene		SF	73		

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FLOORING EXTERIOR							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	
	STRUCTURE			SF	779.54		
1	Concrete Slab	4"concrete cast in situ		CF	259.84		
2	Insulation	Rigid insulation		SF	224.5		
3	Hard core	Compacted soil		CF	204.11		
4	Re-bar	#4 re-bar		Ton	0.74		
5	Concrete Pad	4"concrete cast in situ		CF	2		
6	Slab edge	Turndown		CF	184.12		
7	Footing	Cast-in-place concrete		CF	9.36		
	PORCH						
8	Tile Finish			SF	164		
9	Adhesive	1/2" Thin set Mortar		SF	164		
10	Vapor Retarder	Vapor Barrier Polyethylene		SF	164		

ARCHITECTURAL BOM



WALLS: EXTERIOR							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Exterior-Grade Plywood Horizontal Siding			SF	681		
2	Exterior-Grade Plywood Fastener 8/panel	Self-drilling screws(100/pkt)		PKT	40.86		
3	Wall Shteathing (OSB)			SF	681		
4	Shteathing Fastener	Self-drilling screws(100/pkt)		PKT	6.81		
5	Wall Homewrap			SF	681		
6	Homewrap Fastener	Stapled fastener (200/pkt)		PKT	2.59		
7	Furring Strip			PCS	85.13		
8	Furring Strip Fastener	Self-drilling screws(100/pkt)		PKT	6.81		
9	Wall Paint			SF	681		
10	Stone Copping	Masonry stone		SF	0		
11	Stone Veneer	Masonry stone		SF	0		
12	Mortar for Stone Veneer			SF	0		
13	Wall Insulation			SF	2853		

ARCHITECTURAL BOM



WALLS: INTERIOR 01							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
BATHROOM				SF	88.0		
1	Cementitious Backer Board			SF	401		
2	Kerdi membrane			SF	401		
3	Kerdi membrane Fastener			SF	401		
4	Wall Ceramic Tile			SF	401		
CL				SF	9.0		
5	Drywall Board			SF	126		
6	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	1.26		
7	Wall Paint			SF	126		
8	Drywall Tape			FT	23.6		
HALL				SF	58.0		
9	Drywall Board			SF	243		
10	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	2.43		
11	Wall Paint			SF	243		
12	Drywall Tape			FT	45.6		

ARCHITECTURAL BOM



WALLS: INTERIOR 02							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	STUDIO			SF	293.0		
13	Drywall Board			SF	462		
14	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	4.62		
15	Wall Paint			SF	462		
16	Drywall Tape			FT	86.7		
	KITCHEN			SF	83.0		
17	Cementitious Backer Board			SF	25		
18	Drywall Board			SF	170		
19	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	1.7		
20	Kerdi membrane			SF	25		
21	Kerdi membrane Fastener			SF	25		
22	Wall Ceramic Tile			SF	25		
23	Wall Paint			SF	170		
24	Drywall Tape			FT	32.1		

ARCHITECTURAL BOM



WALLS: INTERIOR 03							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	WD			SF	13.0		
25	Cementitious Backer Board			SF	108		
26	Kerdi membrane			SF	108		
27	Kerdi membrane Fastener			SF	108		
28	Wall Ceramic Tile			SF	108.0		
	WH			SF	8.0		
29	Drywall Board			SF	98		
30	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	0.98		
31	Wall Paint			SF	98		
32	Drywall Tape			FT	18		
1	Wall Sweep			FT	78		

ARCHITECTURAL BOM



	DOORS						
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Interior Swinging	3' - 0" X 6'-8"		PCS	1		
2	Exterior Swinging	3' - 0" X 6'-8"		PCS	2		
3	Bifold	2' - 4" X 6'-8"		PCS	1		
4	Bifold	3' - 3" X 6'-8"		PCS	1		
5	Bifold	4' - 10" X 6'-8"		PCS	1		
6	Exterior Door Trim			FT	35		
7	Interior Door Trim			FT	168		
8	Entry Lock set			PCS	2		
9	Privacy Lock set			PCS	1		
10	Passage Lock set			PCS	3		
11							
12							
13							
14							
15							

ARCHITECTURAL BOM



WINDOWS							
#	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Sliding	3' - 3" X 3'-3"		PCS	4		
2	Sliding	3' - 3" X 1'-9"		PCS	2		
3	Exterior Window Trim			FT	125		
4	Interior Window Trim			FT	125		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

ARCHITECTURAL BOM



#	ROOF 01						
	Item	Type	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Roof Covering			SF	1041.0		
2	Roof Covering Fastener			PCS	521		
3	Roof Felt Paper			SF	1041.0		
4	Roof Felt Paper Fastener			PCS	3123.0		
5	Roof Sheathing			SF	1041.0		
6	Roof Sheathing Fastener			PCS	8328		
7	Batten			FT	529.0		
8	Batten Fastener			PCS	397.7		
9	Soffit			SF	205.0		
10	Soffit Fastener			PCS	102.5		
11	Fascia			FT	129.0		
12	Fascia board fastener			PCS	65		
13	Roof Insulation			SF	1041.0		
14							
15							