



The Hamilton is a 496 square foot Ranch-style studio home designed for efficient and comfortable living. Its exterior features a charming combination of horizontal siding and contrasting trim accents, creating a classic and timeless aesthetic. A prominent wood beam detail above the entrance adds a touch of rustic charm.

Inside, the Hamilton embraces an open floor plan layout. Functional spaces like the bathroom, laundry, and kitchen are thoughtfully grouped on one side of the home, maximizing space efficiency and creating a clear separation between living and service areas. On the other side, the living and sleeping areas offer a more open and relaxing

The Hamilton is an ideal option for those seeking a compact and stylish living space that combines

## **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





# **FLOOR PLAN**

496 SF

Studio

St

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**DISCLAIMER** 

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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

52-Hamilton-497-Studio-Ranch-550

DRAWING NAME

# INTRODUCTION

1101

SCALE:

## **DESCRIPTIONS**

## MATERIALS LIST

The BOM (Bill Of Materials) package, known as the Materials Shopping List document, provides:

Comprehensive Inventory: Detailed lists of essential materials sourced from architectural, mechanical, HVAC, electrical, and plumbing design drawing sets.

Precise Curation: Each item meticulously selected and organized for accuracy and efficiency in project planning.

Customizable Options: Customers can modify listed items to their preferences and calculate costs accordingly, ensuring alignment with personal project needs and budget.

Dedicated Space for Details: Includes tables for customers to note Home Depot SKU numbers or product descriptions for selected items,

facilitating seamless purchasing and coordination with suppliers.

Customer Convenience: Take the list to Home Depot or preferred suppliers for accurate pricing, helping align the total home budget with personal financial plans.

Simplify your construction journey with our Materials Shopping List document, where detailed preparation meets streamlined implementation for your dream home.

## STRUCTURAL

The structural drawings package provides an exhaustive set of detailed plans essential for the precise assembly of your building. This comprehensive package includes:

Framing Plans: Detailed layouts for all framing components. Truss Layouts: Clear instructions for truss placement and

Panel Length Plans: Specifications for panel dimensions. Framing Elevations and Sections: Precise elevation and sectional views for accurate construction.

Truss and Wall Blocking Plans: Plans for truss and wall blocking to ensure structural integrity.

Hold-Down Plan: Detailed hold-down requirements for stability. Snap Sheet: Reference sheet for quick identification of components

Structural Details and Bracing Plans: Complete details and bracing plans for all structural elements.

Accompanying these plans is a comprehensive Bill of Materials (BOM) that lists every necessary building component, from cold formed steel (CFS) frames to fasteners.

## ARCHITECTURAL

With the comprehensive architectural package, both builders and DIY homeowners can confidently execute the construction.

The architectural package includes:

Furnished Floor Plans: Complete with furniture layouts for a clear understanding of space utilization.

Detailed Dimension Plans: Ensures precise measurements, from the overall footprint down to the exact placement of windows and

Foundation Plan: Detailed plan to establish a solid foundation.

Wall Framing and Truss Layout: Comprehensive plans for wall framing and truss placement.

Architectural Elevations: Exterior views showcasing the design.

Strategic Building Sections: Critical cross-sectional details for a thorough understanding of the build.

Casework Drawings and Diagrams: Suggested designs for built-in caseworks, such as kitchen cabinets.

## **MECHANICAL**

The mechanical package includes everything needed to guide HVAC

Detailed HVAC Floor Plan: Precisely maps out the placement of air handlers, ductwork, and vents throughout the home's layout.

HVAC Sections and Riser Diagrams: Technical drawings offering critical cross-sectional details and piping schematics, ensuring proper integration of the heating and cooling system into the home's structure.

Bill of Materials: A complete list of all necessary HVAC components.

## **ELECTRICAL**

The electrical package includes all the plans and documentation needed to guide the installation of your home's electrical system:

Detailed Power Plan: Precisely maps out the placement of outlets, switches, and other power components throughout the layout.

Comprehensive Lighting Plan: Shows the optimal locations for lighting fixtures, sconces, and other illumination sources to create a well-lit, functional interior.

Dimensioned Electrical Layout: Provides exact dimensions and measurements to ensure proper placement of all electrical elements.

Bill of Materials: A complete list of every component needed, from circuit breakers to wiring.

## **PLUMBING**

Detailed Water Supply System Plan: Precisely maps out the placement of pipes, valves, and plumbing fixtures throughout the

Comprehensive Sewage System Plan: Shows the optimal routing and sizing of drain lines to effectively remove waste and ensure

Detailed Riser Diagrams: Provide information needed to properly

The plumbing package includes everything needed to guide the installation of your home's water supply and drainage systems:

proper drainage.

install all vertical plumbing risers and vent stacks.

Bill of Materials: A complete list of every component needed, from pipes to fixtures.

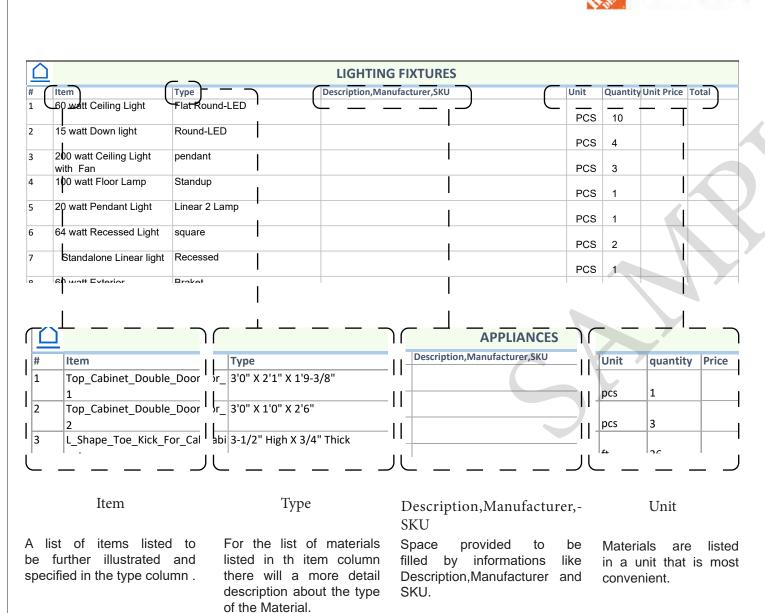
# BOM (Bill Of Materials) (Separately Attached)

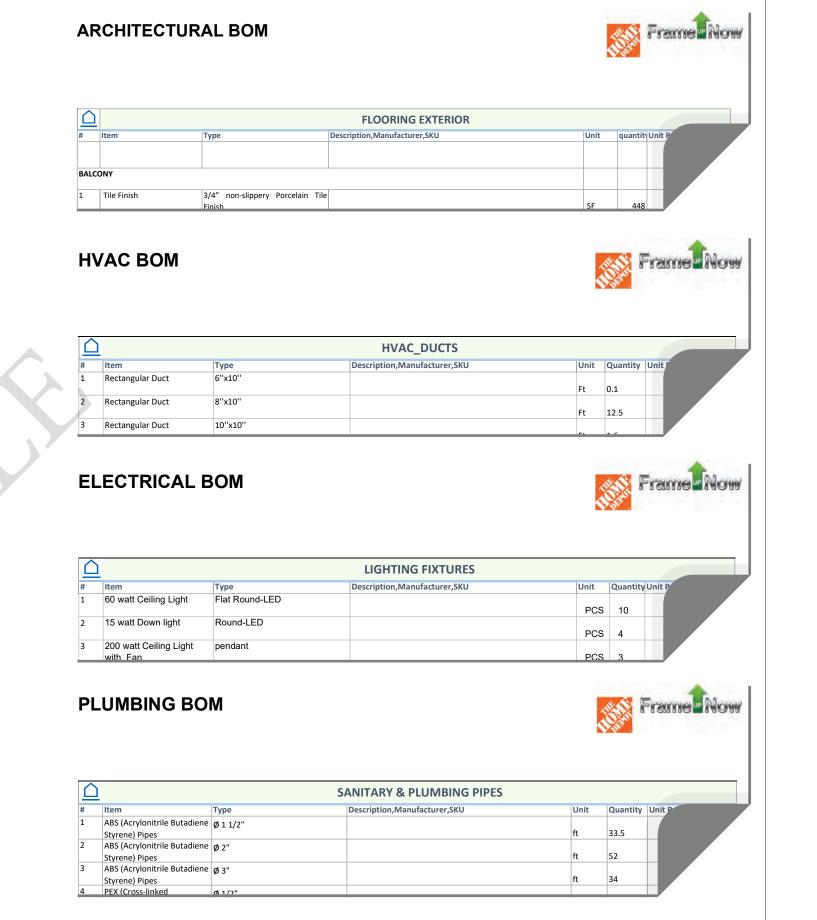


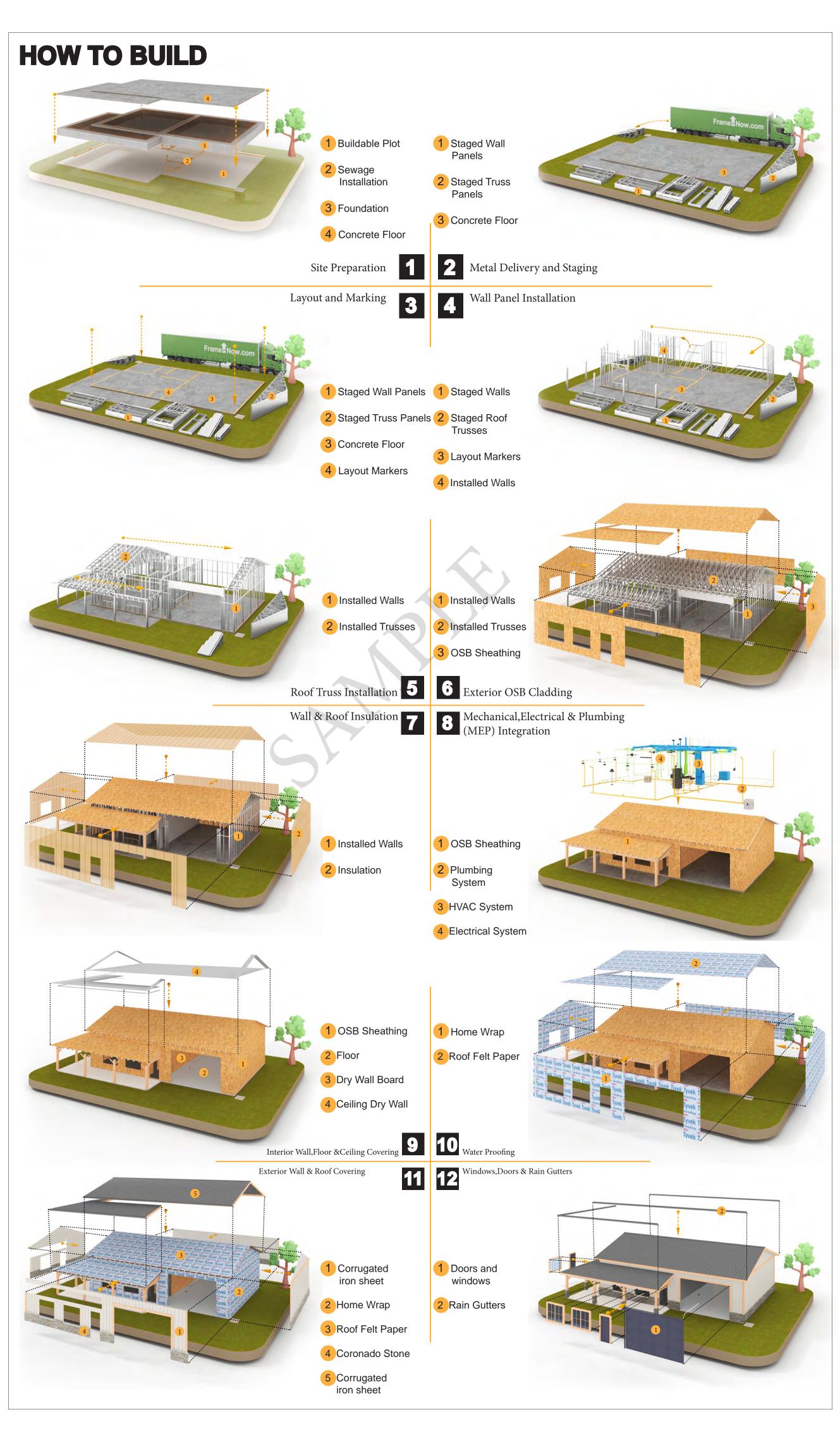
The Bill of Materials (BOM) is a crucial document that compiles the material requirements from different disciplines into a centralized inventory, enabling efficient procurement, inventory management, and cost estimation for a specified project or

## **ELECTRICAL BOM**











**KEY PLAN** 

DESCRIPTION DATE

NOTE:

LEGEND:

PROJECT

**52-Hamilton-497-**Studio-Ranch-550

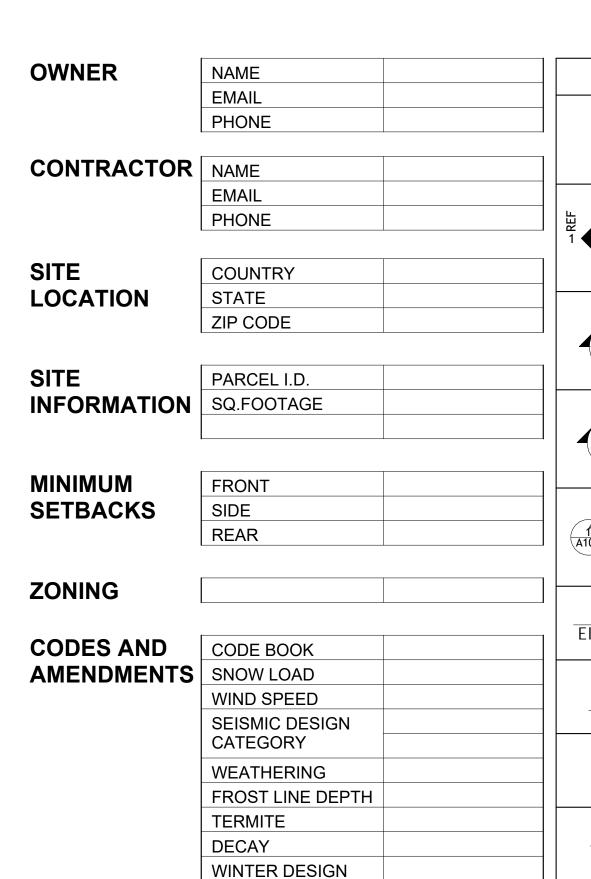
DRAWING NAME

INTRODUCTION

CLIENT NAME: PROJECT NUMBER: DATE: **DESIGNED BY** DRAWN BY: CHECKED BY:

1102

SCALE:



FLOOD HAZARDS

HIDDEN LINE

OVER HEAD

LINE LEGEND

DOOR OPENING DIRECTION

ROOM SEPARATOR

SYMBOLS	SYMBOLS NAME		PAGE INDEX
VIEW		G101	COVER SHEET
NUMBER		A101	FLOOR PLAN
A101 SHEET	CALLOUT HEAD	A102	DIMENSION PLAN
NUMBER		S101	FOUNDATION PLAN
1 REF		S102	STRUCTURAL FLOOR PLAN
NUMBER	R INTERIOR ELEVATION	S103	FRAME LAYOUT
A101 1		S104	ROOF TRUSS LAYOUT
SHEET 1 REF NUMBER		A103	ROOF PLAN
REF VIEW		A201	ELEVATIONS
NUMBER	DUIL DING ELEVATION	A202	ELEVATIONS
1 A101	BUILDING ELEVATION	A301	SECTIONS
SHEET   NUMBER		A401	DETAILS
VIEW		A402	CASEWORK DETAILS
NUMBER NUMBER	OFOTION	A403	CASEWORK DETAILS
A101-	SECTION	E101	SCHEDULE
SHEET   NUMBER		E102	LIGHTING PLAN
VIEW		E103	POWER PLAN
NUMBER_	DETAIL MENA	E104	DIMENSION PLAN FOR LIGHT FIXTU
101) SHEET	DETAIL VIEW	E105	DIMENSION PLAN FOR FITTING
NUMBER		P101	COVER SHEET
		P102	WATER SUPPLY SYSTEM
Name _	ELEVATION LEVEL	P103	SEWAGE SYSTEM
Elevation \		P104	RISER DIAGRAM
✓ FLOOR		M101	HVAC PLAN
LEVEL	SPOT ELEVATION	M102	HVAC SECTION
<b>4</b> -0'-2"	-: · · · === · · · · · · · · · · · · · ·	1/1/02	DISED DIACDAM

FLOOR SLOPE

**ROOF SLOPE** 

CALL OUT BOUNDRY — — — — —

ROOF SLOPE ELEVATION

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

M103 RISER DIAGRAM



- FLOOR SLOPE

SLOPE

ROOF SLOPE

CUT LINE

GROUND CUT

DIRECTION

SLOPE DIRECTION

	IVIIIN.	IVIINIIVIOIVI	
JRE	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 CONDSENSING	
	AHU	AIRTHANDLING 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 C/A	RETURN FAN	
	S/A	SUPPLY AIR	
	SCD	SMOKE CONTROL DAMPER	
	SP	STATIC PRESSURE	

**ABBREVIATION** 

CASEWORK

ELECTRICAL

FOOTINGS

CODE

MAXIMUM

MINIMUM

**MECHANICAL** 

AFS

F.F.L

FTG

HVAC

IRC

IMC

MAX.

ASTM D698

**ACTION FLOOR SYSTEMS** 

AMERICAN SOCIETY FOR

TESTING AND MATERIAL

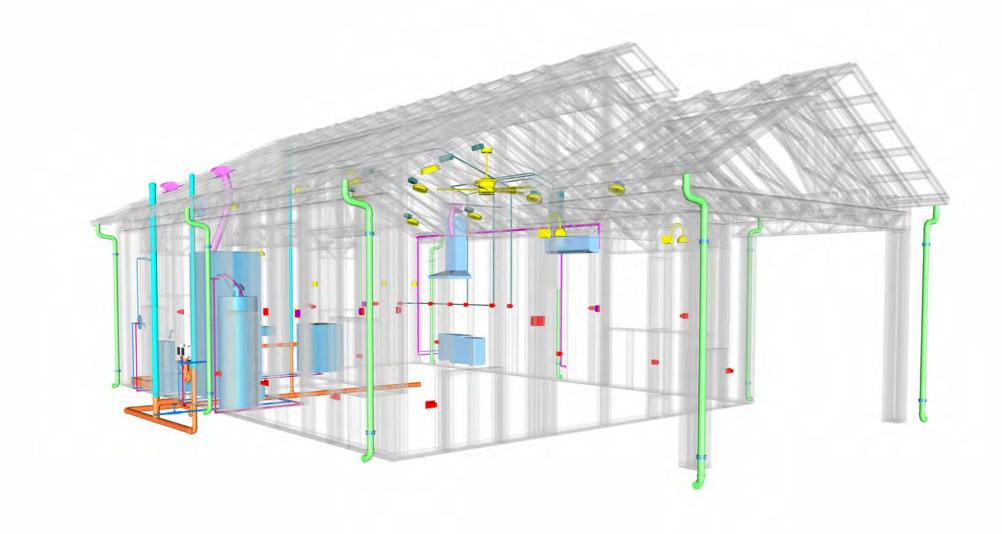
FINISHED FLOOR LEVEL

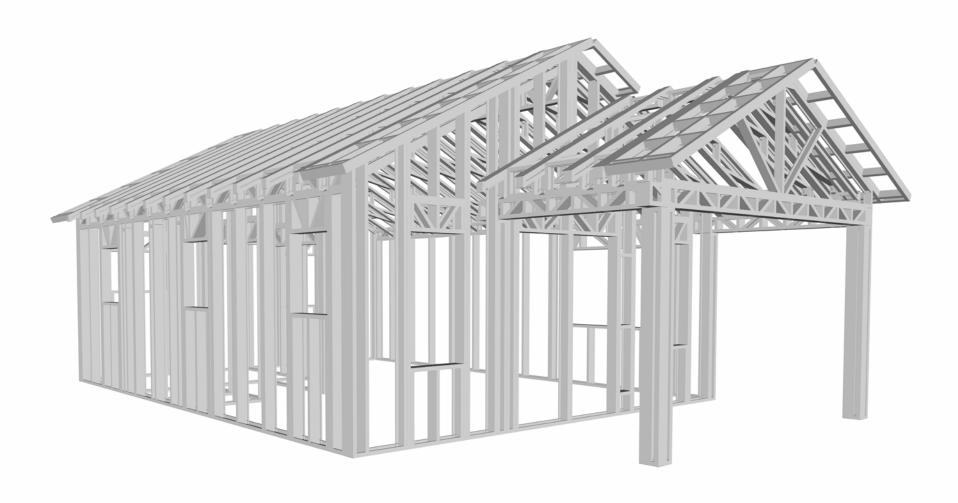
FINISHED FLOOR ELEVATION

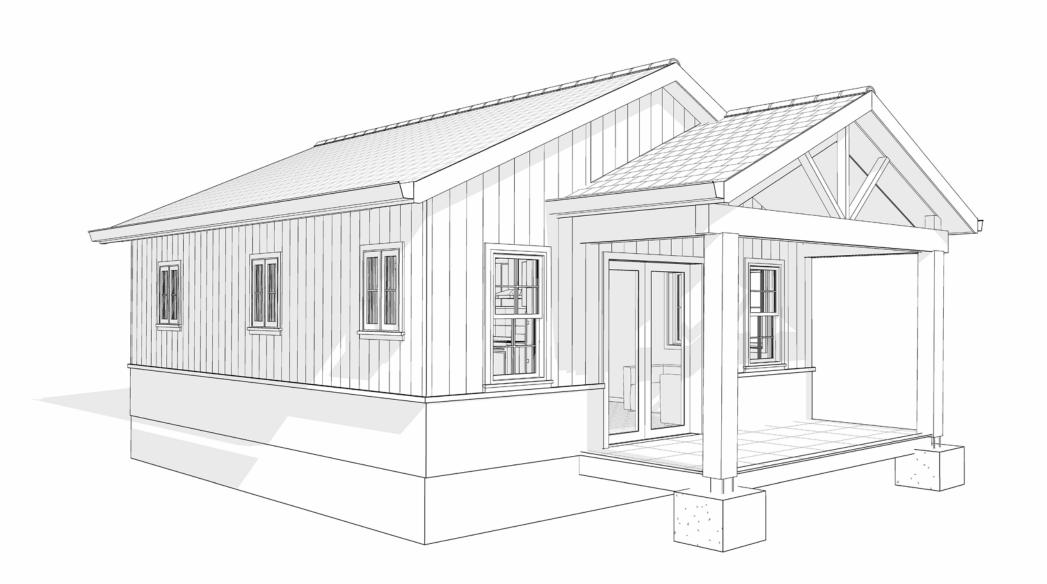
HEATING, VENTILATION & AIR CONDITIONING

INTERNATIONAL RESIDENCE

INTERNATIONAL MECHANICAL





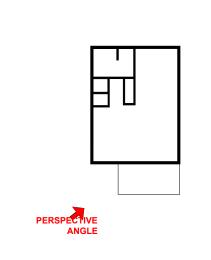


52 HAMILTON 497 STUDIO RANCH 550

SQUARE FOOT	AGE
LIVING	497
PORCH	89
TOTAL	586



**KEY PLAN** 



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

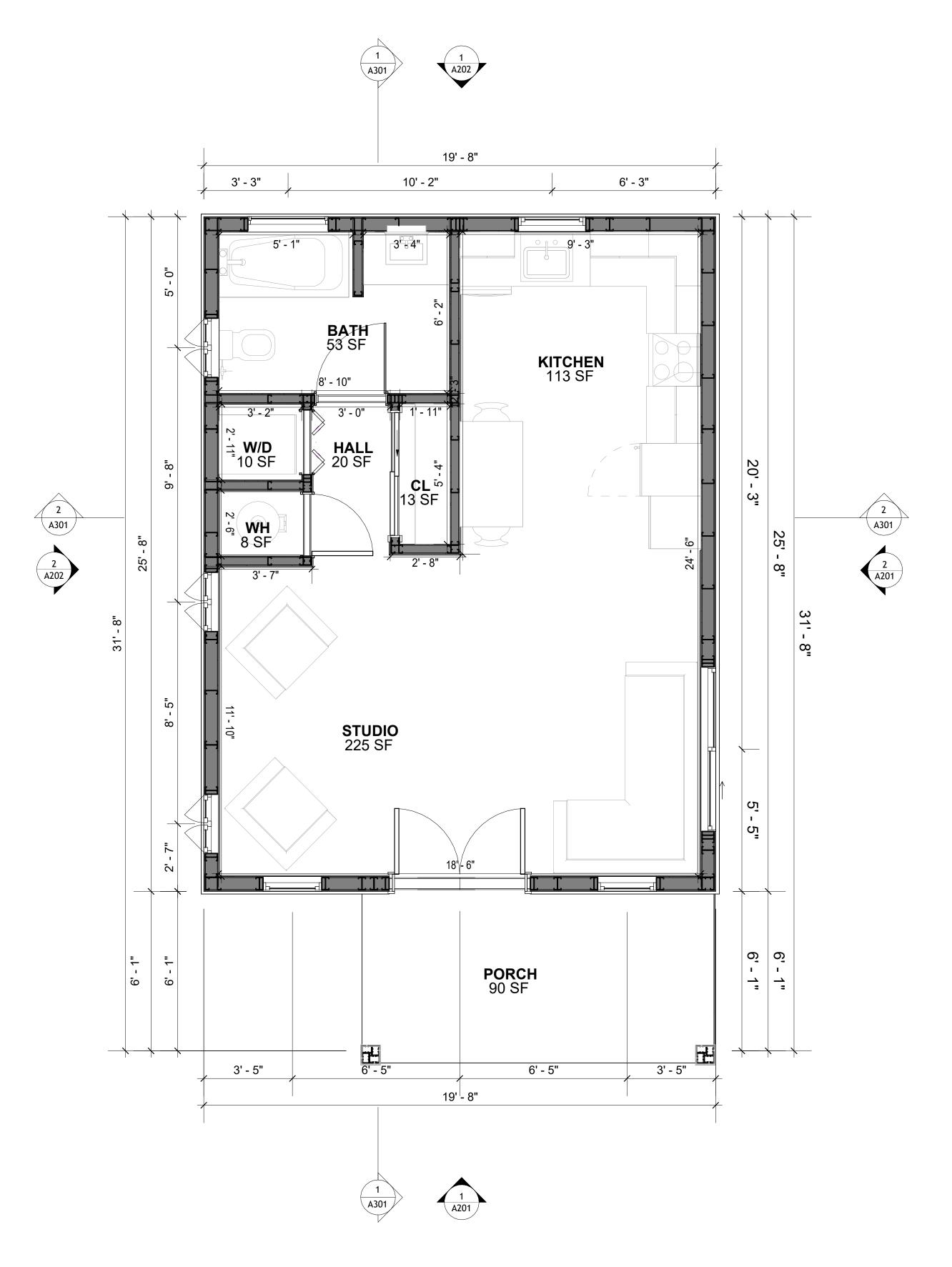
52 HAMILTON 497 STUDIO RANCH 550

DRAWING NAME

**COVER SHEET** 

CLIENT NAME:	Client Name
PROJECT NUMBER:	0061_12
DATE:	2/17/2025 2:58:17 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

G101



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

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

Tuscon,AZ, USA
888-864-0184
inquire@frameupnow.com
www.frameupnow.com

**KEY PLAN** 

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

52 HAMILTON 497 STUDIO RANCH 550

DRAWING NAME

DIMENSION PLAN

AME:	Client Name
NUMBER:	0061_12
	2/17/2025 2:58:19 PM
D BY:	Designer
BY:	Author
D BY:	Checker

A102

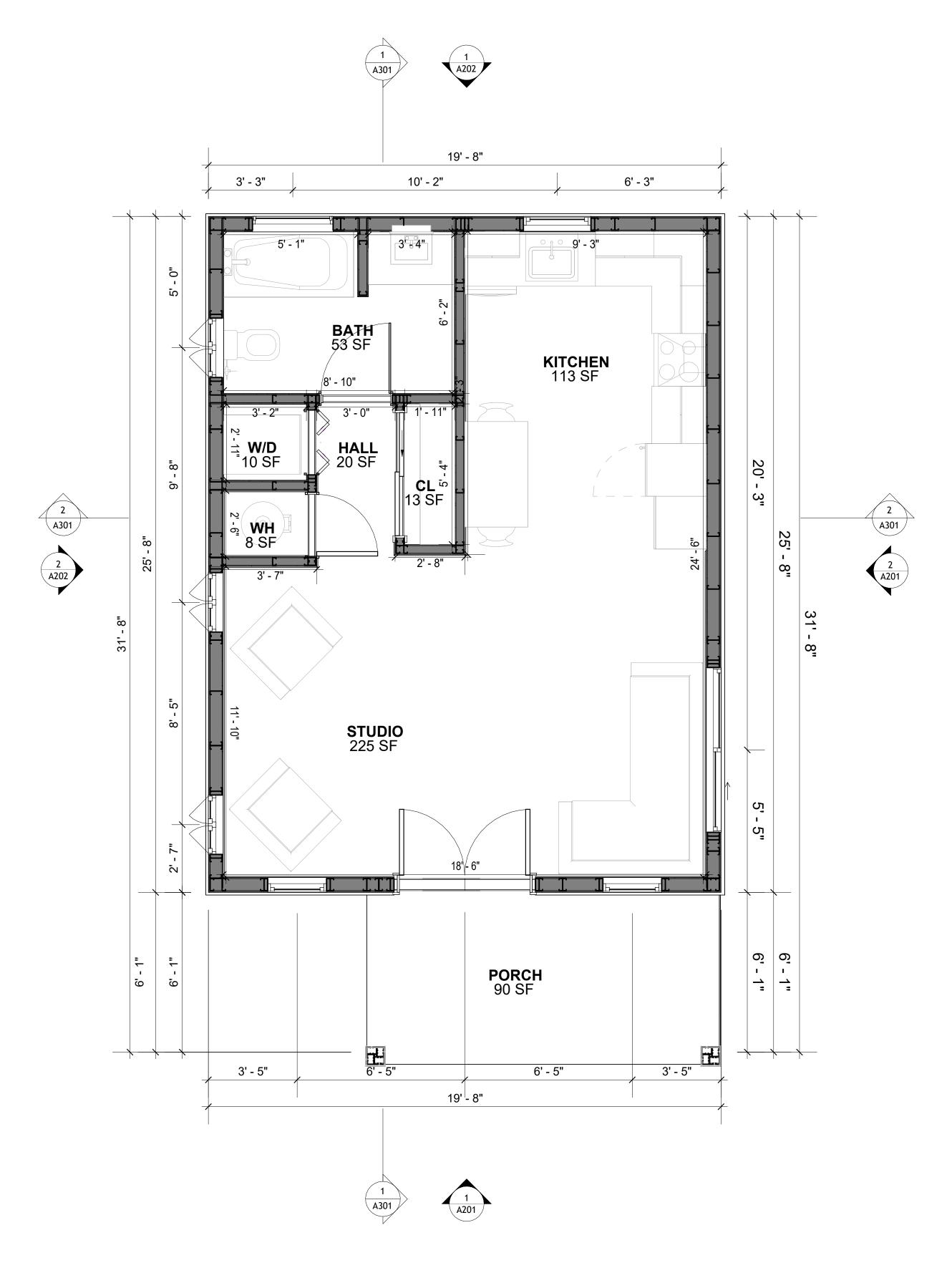
SQUARE FOOTAGE

LIVING 497

PORCH 89

TOTAL 586

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



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

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



**KEY PLAN** 

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

**52 HAMILTON 497 STUDIO** RANCH 550

DRAWING NAME

**DIMENSION PLAN** 

AME:	Client Name
NUMBER:	0061_12
	2/17/2025 2:58:19 PM
D BY:	Designer
BY:	Author
D BY:	Checker

SQUARE FOOTAGE A102 497 89

586

PORCH

TOTAL

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

## **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.

ALL REINFORCEMENT BARS SIZE 10MM OR LARGER IN ACCORDANCE TO ASTM
 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.

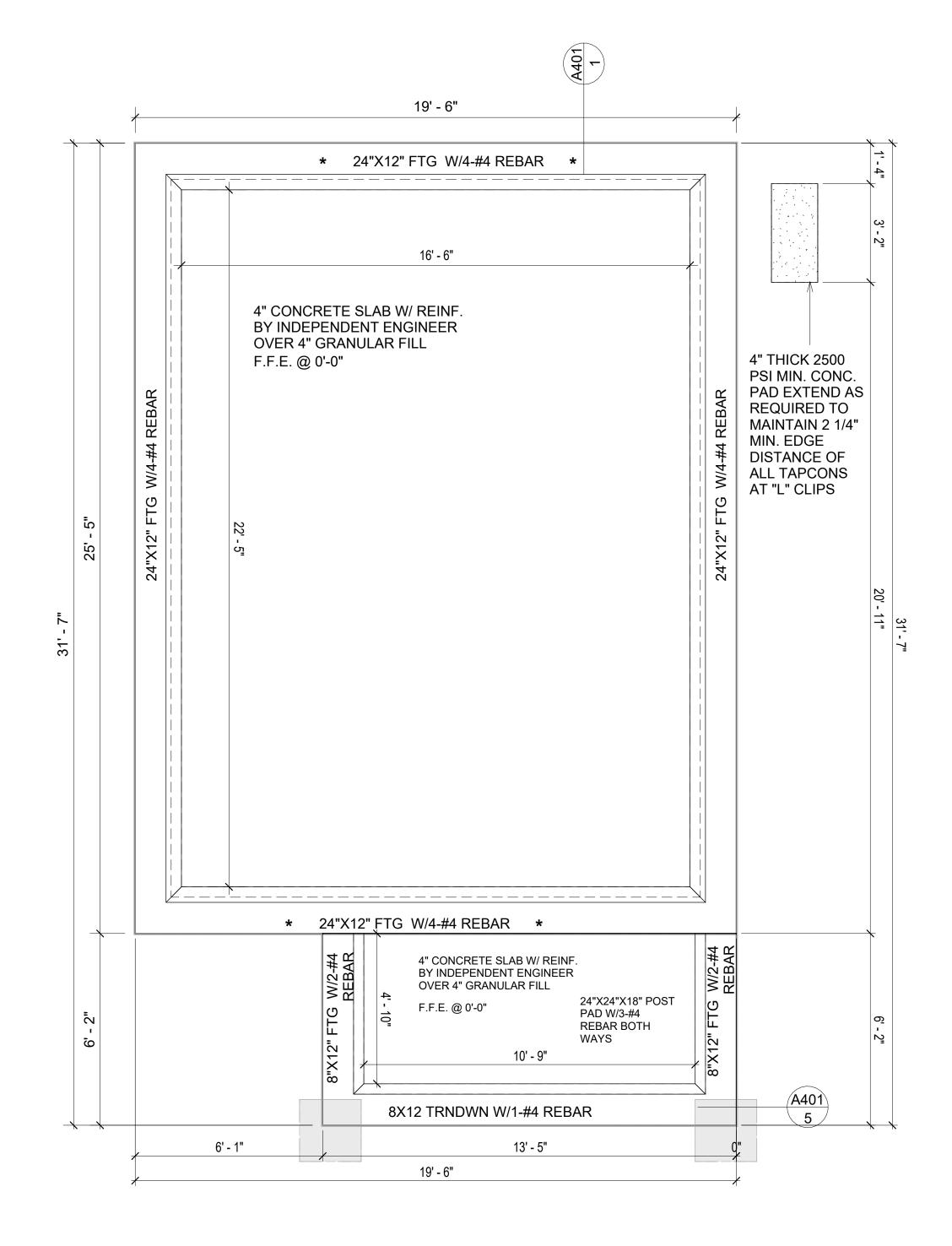
5. SIMPSONS SILL ANCHORS MAYBE SUBSTITUTED FOR ANCHOR BOLTS AT THE SAME SPACING.

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:**

- 1. ALL HOLDDOWNS, STRAP, AND POST LOCATIONS.
- CONCRETE FINISHES. PANEL RISER LOCATION WHERE APPLICABLE.
- 3. UNDERSLAB MECHANICAL REQUIREMENTS.
- 4. STEM WALL BLOCKOUTS.
- 5. UNDERSLAB ELECTRICAL REQUIREMENTS AND PANEL RISER LOCATION. WHERE APPLICABLE.
- 6. PROVIDE THE FOLLOWING:
- PVC SLEEVES THROUGH FTG IF REQUIRED
   20' #4 COPPER GROUND BAR.
- 7. 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 497

PORCH 89

TOTAL 586



**KEY PLAN** 

NO. DESCRIPTION DATE

NOTE:

LEGEND:

PROJECT

52 HAMILTON 497 STUDIO RANCH 550

DRAWING NAME

FOUNDATION PLAN

CLIENT NAME:

PROJECT NUMBER:

DATE:

DATE:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

CHECKED BY:

Client Name

0061\_12

2/17/2025 2:58:20 PM

Designer

Author

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.
- TERMITE PROTECTION SHALL BE PROVIDED PER IRC SECTION R318.1
   NONE TYPICAL ANCHOR BOLT SPACING AT SHEAR WALL AND HOLD DOWN SPECIFICATIONS PER APPROVED ARCHITECTURAL PLANS.
- 4. INSTALL HOLDOWNS 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:

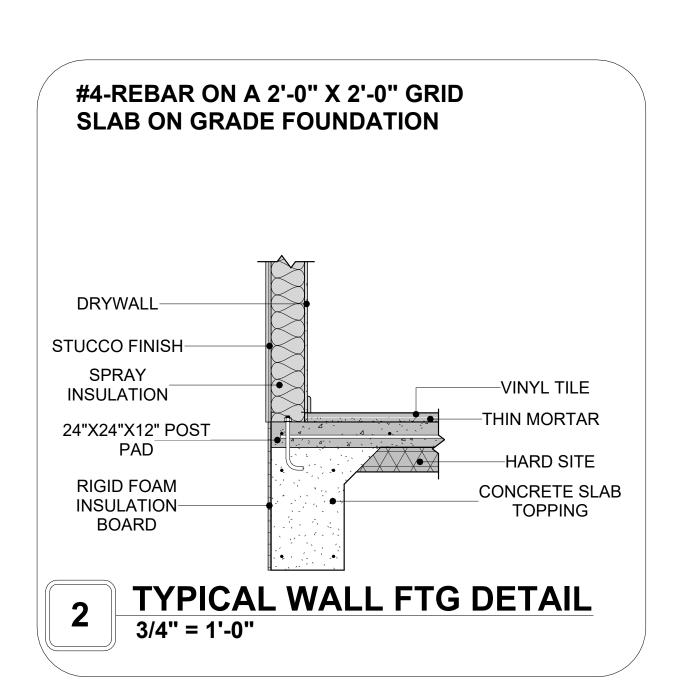
ALL REINFORCING SLABS BARS SIZE 10MM OR LARGER SHALL BE DEFORMED IN ACCORDANCE TO ASTM-A706, AND BARS SMALLER THAN 10 MM MAYBE PLAIN.
 UNLESS OTHERWISE NOTED IN PLANS, THE YIELD STRENGTH OF REINFORCING BARS SHALL BE:

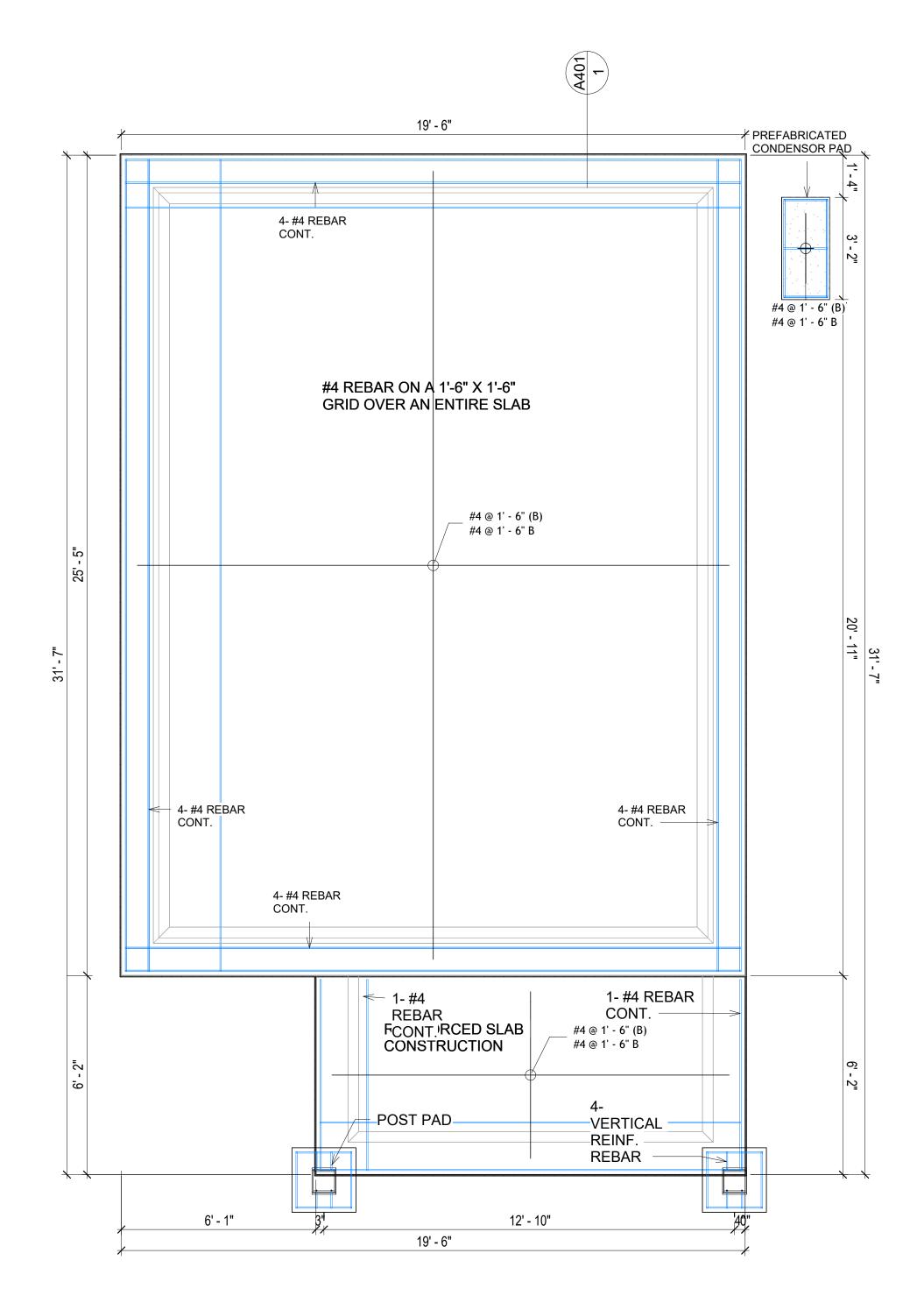
A) FOOTING = 40,000 PSI B) NON-LOAD BEARING WALLS AND PARAPETS= 40,000 PSI

- 3. SPLICES SHALL BE SECURELY WIRED TOGETHER AND SHALL LAP OR EXTEND
- 4. GRADE OF STEEL FOR RCC WORKS SHALL BE GRADE 4 10.
- . 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 CLIT, VENT OR HEATED ON SITE WITHOUT ENG
- 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.
- 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.





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



**KEY PLAN** 

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

52 HAMILTON 497 STUDIO RANCH 550

DRAWING NAME

STRUCTURAL FLOOR PLAN

CLIENT NAME:

PROJECT NUMBER:

0061\_12

DATE:

2/17/2025 2:58:21 PM

DESIGNED BY:

DRAWN BY:

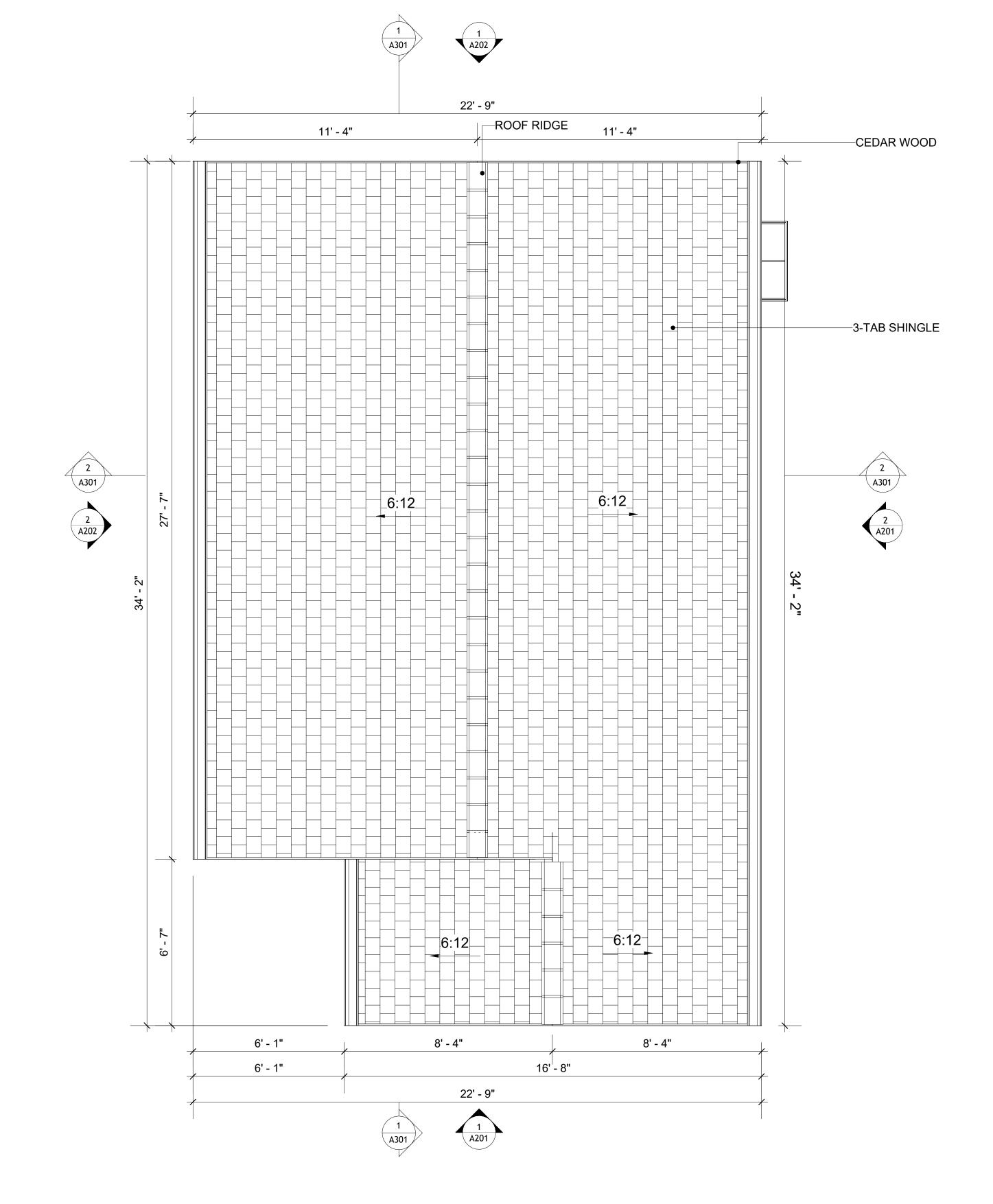
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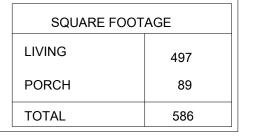
**S102** 

## **ROOF NOTES**

- 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.)
- ENDS OF ALL TRUSSES AND JOISTS TO BE FULLY BLOCKED. PROVIDE SOLID
- BLOCKING AT ALL RIDGES AND VALLEYS 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.
- ENGINEERED TRUSS CALCULATIONS TO BE SUBMITTED TO BUILDING DEPARTMENT PRIOR TO FABRICATION AND INSTALLATION.
- 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.



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





**KEY PLAN** 

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

**52 HAMILTON 497 STUDIO** RANCH 550

DRAWING NAME

**ROOF PLAN** 

Client Name
0061_12
2/17/2025 2:58:23 PM
Designer
Author
Checker

A103

## **ABOUT WALL FINISHING**

#### **CORRUGATED IRON SHEET**

CORRUGATED IRON IS A FINISHING MATERIAL MADE FROM STEEL THAT HAS BEEN GALVANIZED (COATED WITH A THIN LAYER OF ZINC) TO PROTECT IT FROM CORROSION AND RUST.

IN THIS SPECIFIC PROJECT, THE CORRUGATED IRON SHEETS ARE INSTALLED HORIZONTALLY ON VERTICAL FURRING STRIPS THAT ARE DIRECTLY ATTACHED ONTO THE PROPERLY INSTALLED AND SEALED HOME WRAP, USING SELF-DRILLING SCREWS THAT ARE DRIVEN THROUGH THE RIDGES OR VALLEYS OF THE CORRUGATIONS.

#### STUCCO FINISH

STUCCO IS A CEMENT-BASED EXTERIOR WALL FINISH THAT OFFERS A DURABLE, WEATHER-RESISTANT, AND CUSTOMIZABLE CLADDING SOLUTION FOR BUILDINGS.

IN THIS SPECIFIC PROJECT, AMERICAN STUCCO SYSTEMS IS USED AS A FINISH MATERIAL BECAUSE IT IS GENERALLY CONSIDERED A WATER-RESISTANT EXTERIOR FINISH AND USES A THREE-COAT APPLICATION PROCESS.

3/8-INCH OF IT IS APPLIED AS AN EXTERNAL WALL FINISH AS IT IS THE MOST COMMON AND WIDELY ACCEPTED STANDARD THICKNESS FOR STUCCO EXTERIOR WALL FINISHES. THIS MULTILAYER APPROACH ALSO HELPS CREATE A STRONG, CRACKRESISTANT STUCCO SURFACE.

THIS STANDARD STUCCO IS APPLIED OVER OSB SHEATHINGS (FOR COLD FORMED STRUCTURE CONSTRUCTION).

IT IS NOT DIRECTLY TROWELED OVER THE OSB BUT OVER A WATER-RESISTANT BARRIER (HOMEWRAP) AND METAL/PLASTIC LATH THAT ARE INSTALLED ON TOP SURFACE OF THE OSB TO PROVIDE AN ADDITIONAL LAYER OF PROTECTION AGAINST MOISTURE INTRUSION.

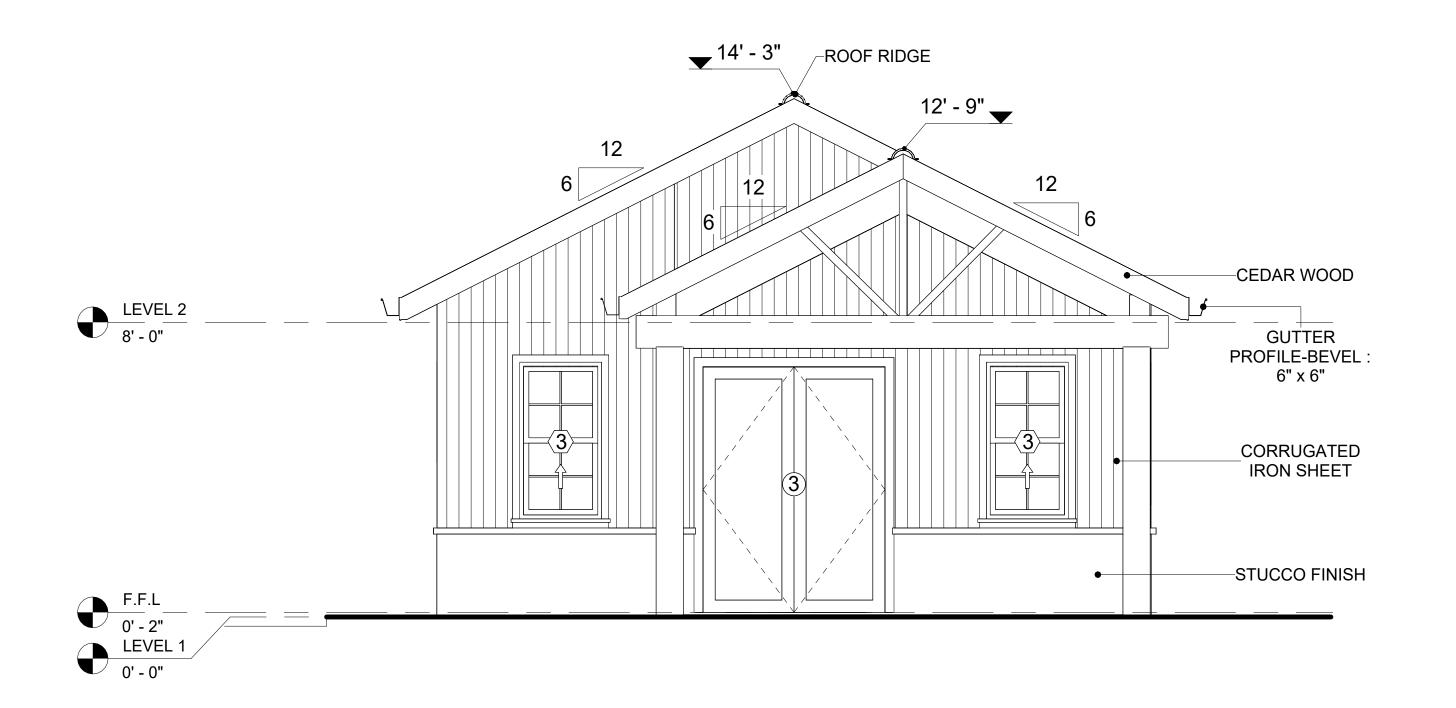
REGULAR INSPECTION AND PROMPT REPAIR OF ANY CRACKS, CHIPS, OR DAMAGE TO THE STUCCO FINISH IS IMPORTANT. THIS MAINTAINS THE STUCCO'S WATER-RESISTANT PROPERTIES OVER THE BUILDING'S LIFE SPAN.

## **CEDAR WOOD**

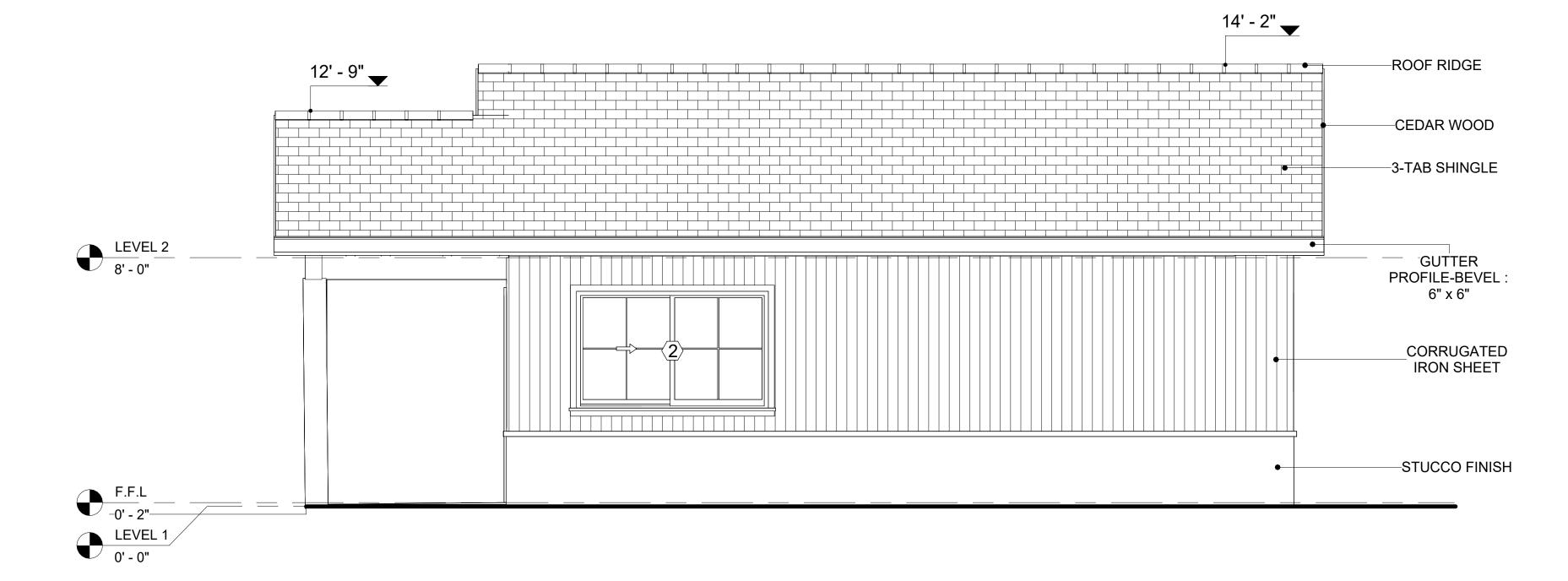
CEDAR WOOD REFERS TO THE WOOD FROM VARIOUS SPECIES OF CEDAR TREES, WHICH ARE CONIFEROUS EVERGREEN TREES KNOWN FOR THEIR DISTINCT AROMA AND NATURAL RESISTANCE TO DECAY AND INSECTS.

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.



# 1 FRONT ELEVATION 3/8" = 1'-0"



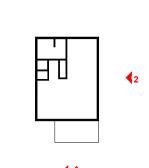
# 2 RIGHT SIDE ELEVATION 3/8" = 1'-0"

		DOOR SCHE	EDULE			
TYPE				S	SIZE	
MAR K	SUPPLIER	DOOR TYPE	LOCATIO N	WIDTH	HEIGHT	COUNT
1	HOME DEPOT	INTERIOR SINGLE PANEL SWINGING	INTERIOR	2' - 8"	6' - 8"	1
2	HOME DEPOT	INTERIOR DOUBLE PANEL SLIDING	INTERIOR	4' - 8"	6' - 8"	1
3	HOME DEPOT	EXTERIOR DOUBLE PANEL SWINGING	INTERIOR	5' - 0"	6' - 8"	1
4	HOME DEPOT	DOOR-BIFOLD_9052	INTERIOR	2' - 4"	6' - 8"	1
5	HOME DEPOT	INTERIOR SINGLE PANEL SWINGING	INTERIOR	2' - 4"	6' - 8"	1

		WINDOW	SCHEDULE		
				SIZE	
TYPE MARK	SUPPLIER	WINDOW TYPE	WIDTH	HEIGHT	COUNT
1	HOME DEPOT	CASEMENT	2' - 3"	2' - 7"	3
2	HOME DEPOT	SLIDING	6' - 3"	3' - 9"	1
3	HOME DEPOT	SINGLE HUNG	2' - 3"	4' - 3"	2
4	HOME DEPOT	FIXED	3' - 1"	2' - 1"	1
5	HOME DEPOT	SINGLE HUNG	2' - 7"	3' - 1"	1



**KEY PLAN** 



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

52 HAMILTON 497 STUDIO RANCH 550

DRAWING NAME

ARCHITECTURAL ELEVATIONS

CLIENT NAME:

PROJECT NUMBER:

0061\_12

DATE:

2/17/2025 2:58:25 PM

DESIGNED BY:

DRAWN BY:

CHECKED BY:

Checker

A201

## **ABOUT WALL FINISHING**

## **CORRUGATED IRON SHEET**

CORRUGATED IRON IS A FINISHING MATERIAL MADE FROM STEEL THAT HAS BEEN GALVANIZED (COATED WITH A THIN LAYER OF ZINC) TO PROTECT IT FROM CORROSION AND RUST.

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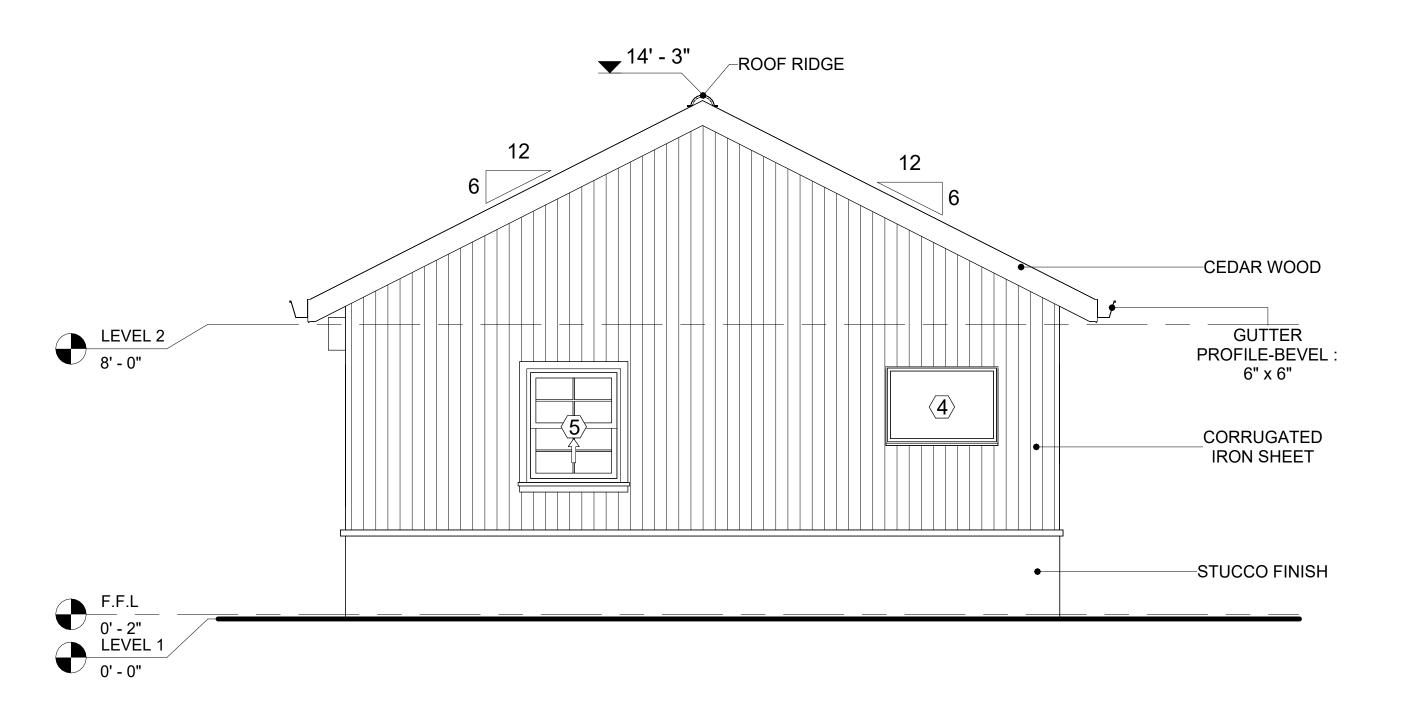
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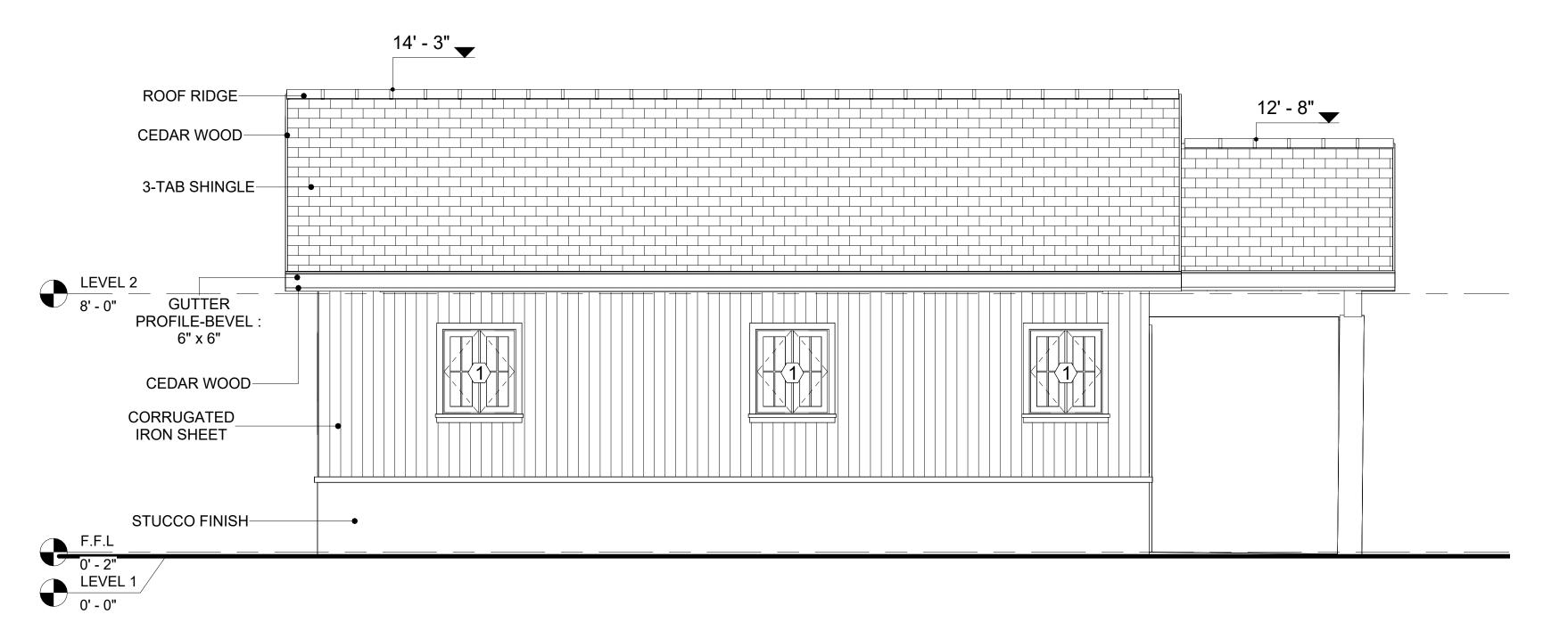
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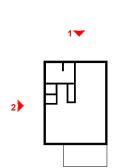




2 LEFT SIDE ELEVATION
3/8" = 1'-0"



**KEY PLAN** 



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

52 HAMILTON 497 STUDIO RANCH 550

DRAWING NAME

**ARCHITECTURAL ELEVATIONS** 

CLIENT NAME:

PROJECT NUMBER:

0061\_12

DATE:

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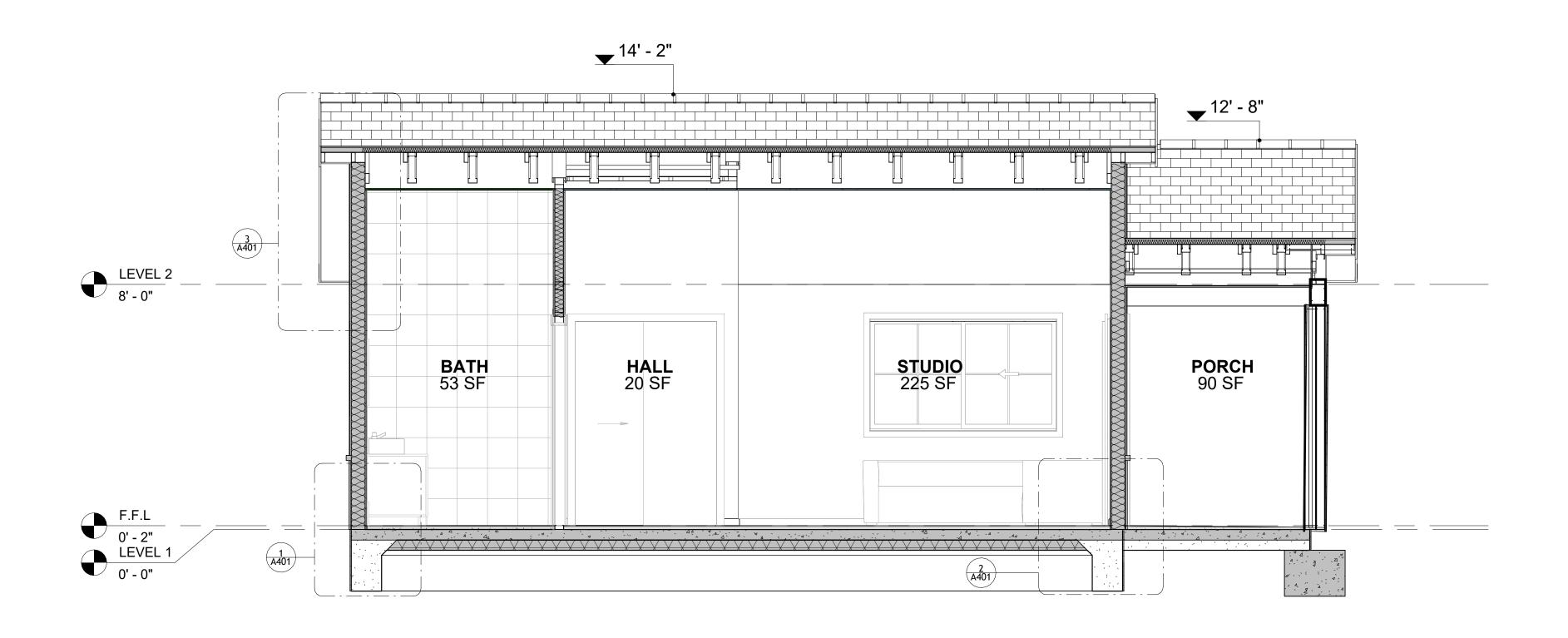
DESIGNED BY:

DRAWN BY:

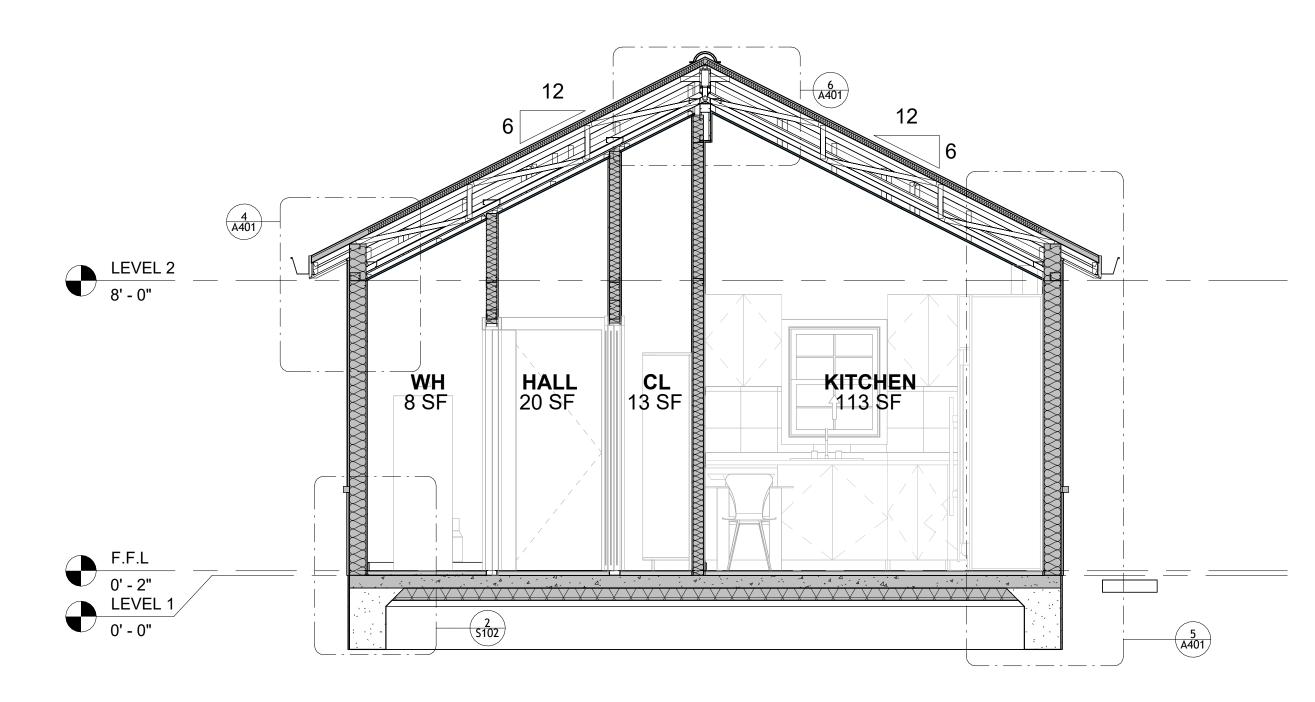
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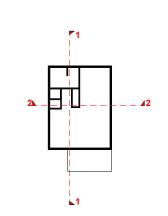
## 1 SECTION-1 3/8" = 1'-0"



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



**KEY PLAN** 



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

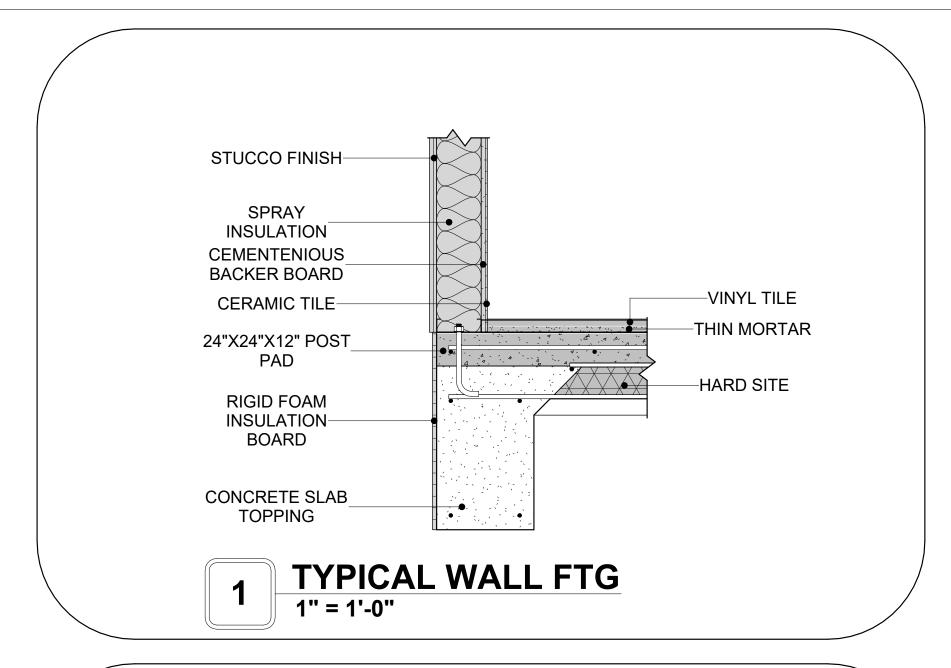
52 HAMILTON 497 STUDIO RANCH 550

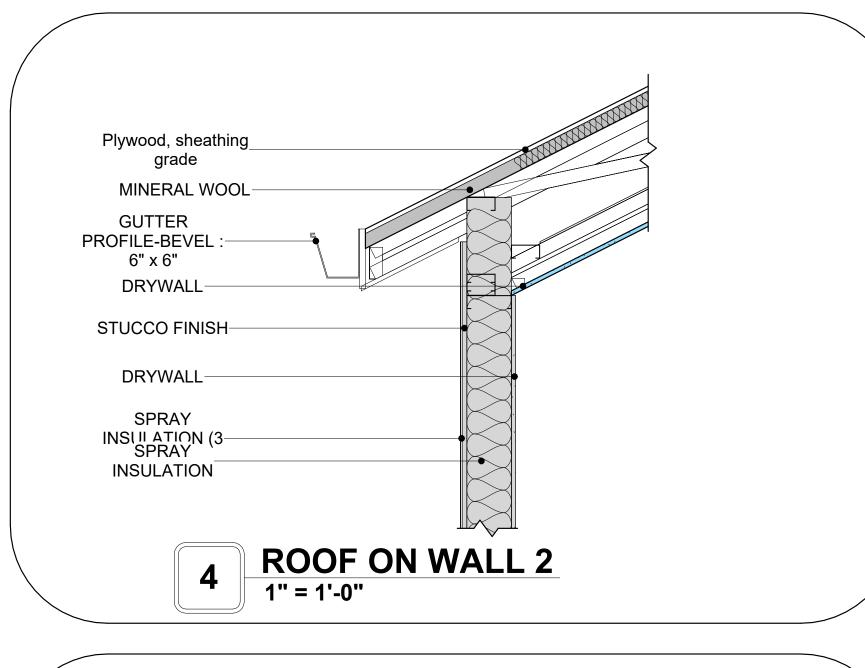
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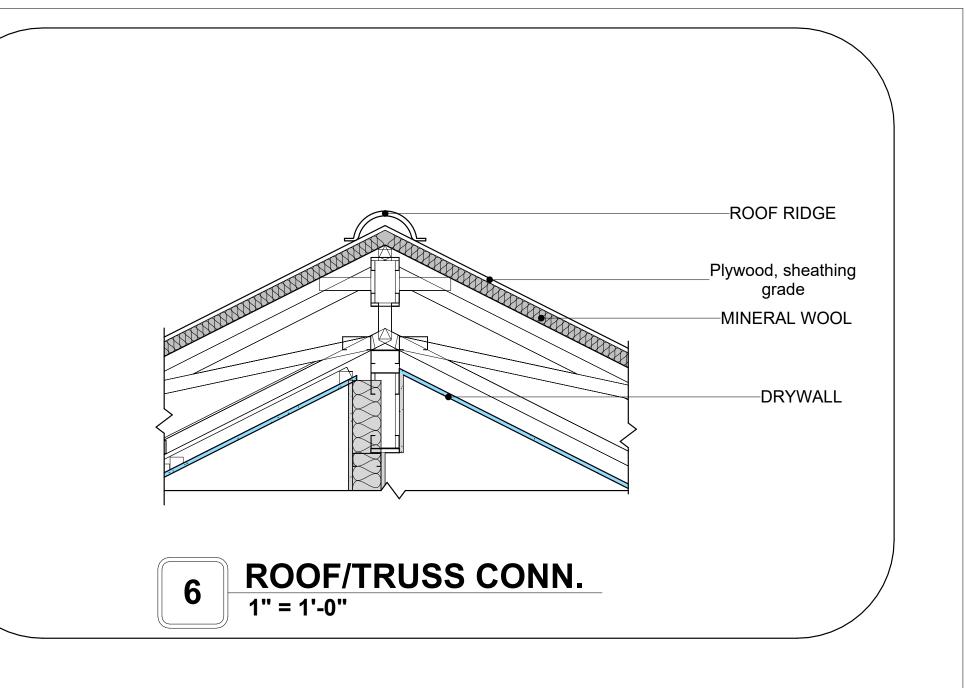
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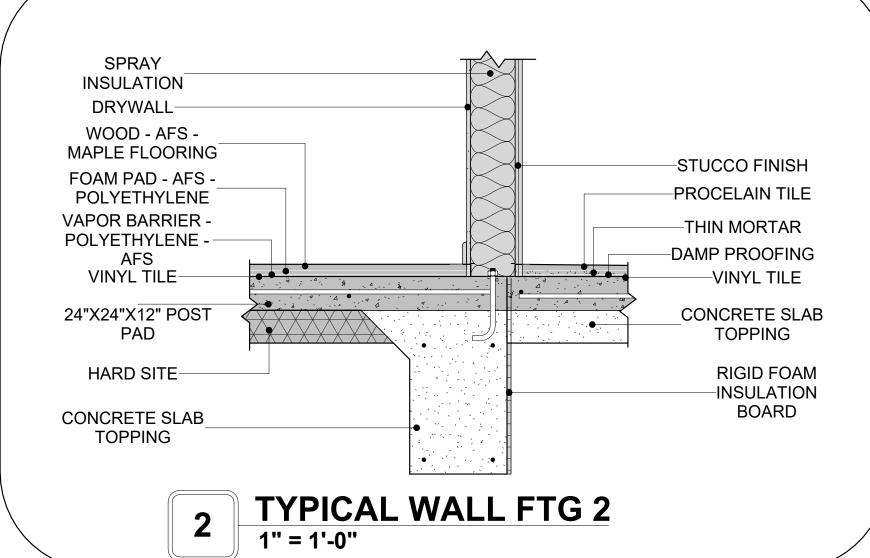
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PROJECT NUMBER:	0061_12
DATE:	2/17/2025 2:58:28 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

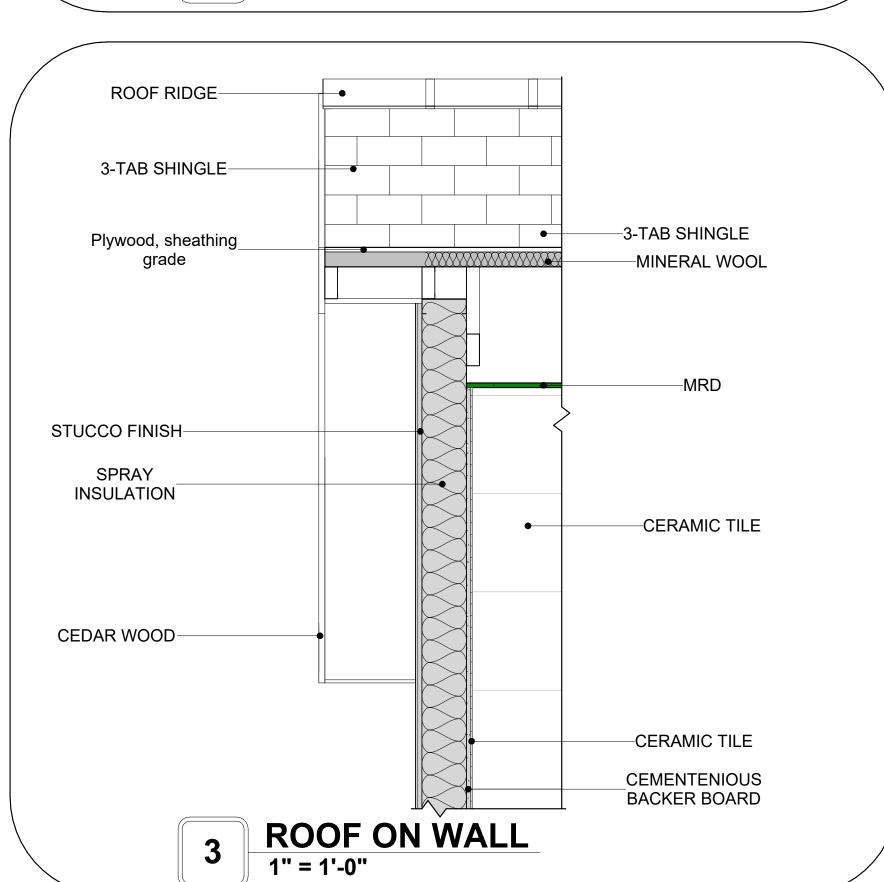
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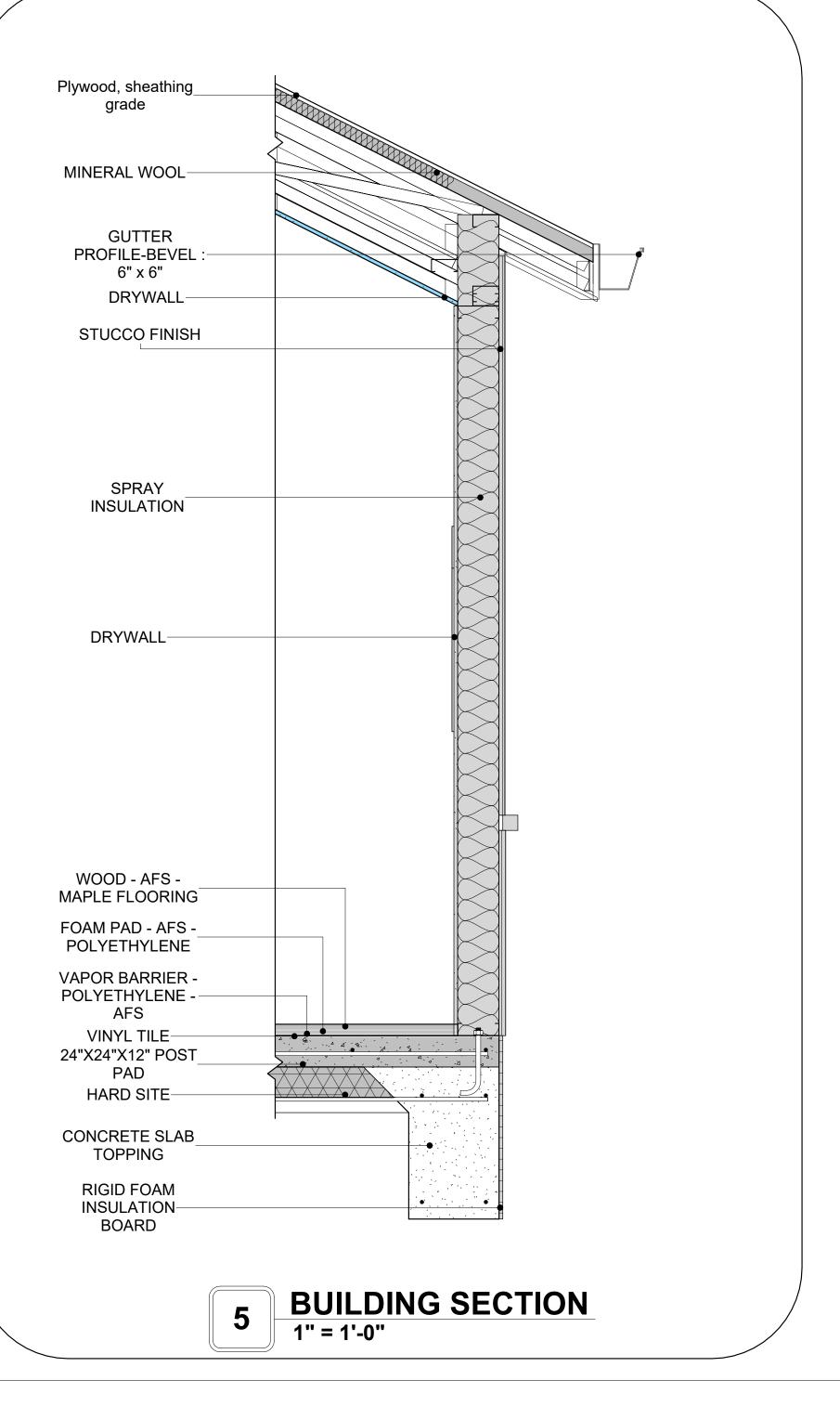














**KEY PLAN** 

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

52 HAMILTON 497 STUDIO RANCH 550

DRAWING NAME

ARCHITECTURAL DETAILS

Client Name	CLIENT NAME:
0061_12	PROJECT NUMBER:
2/17/2025 2:58:30 PM	DATE:
Designer	DESIGNED BY:
Author	DRAWN BY:
Checker	CHECKED BY:

A401

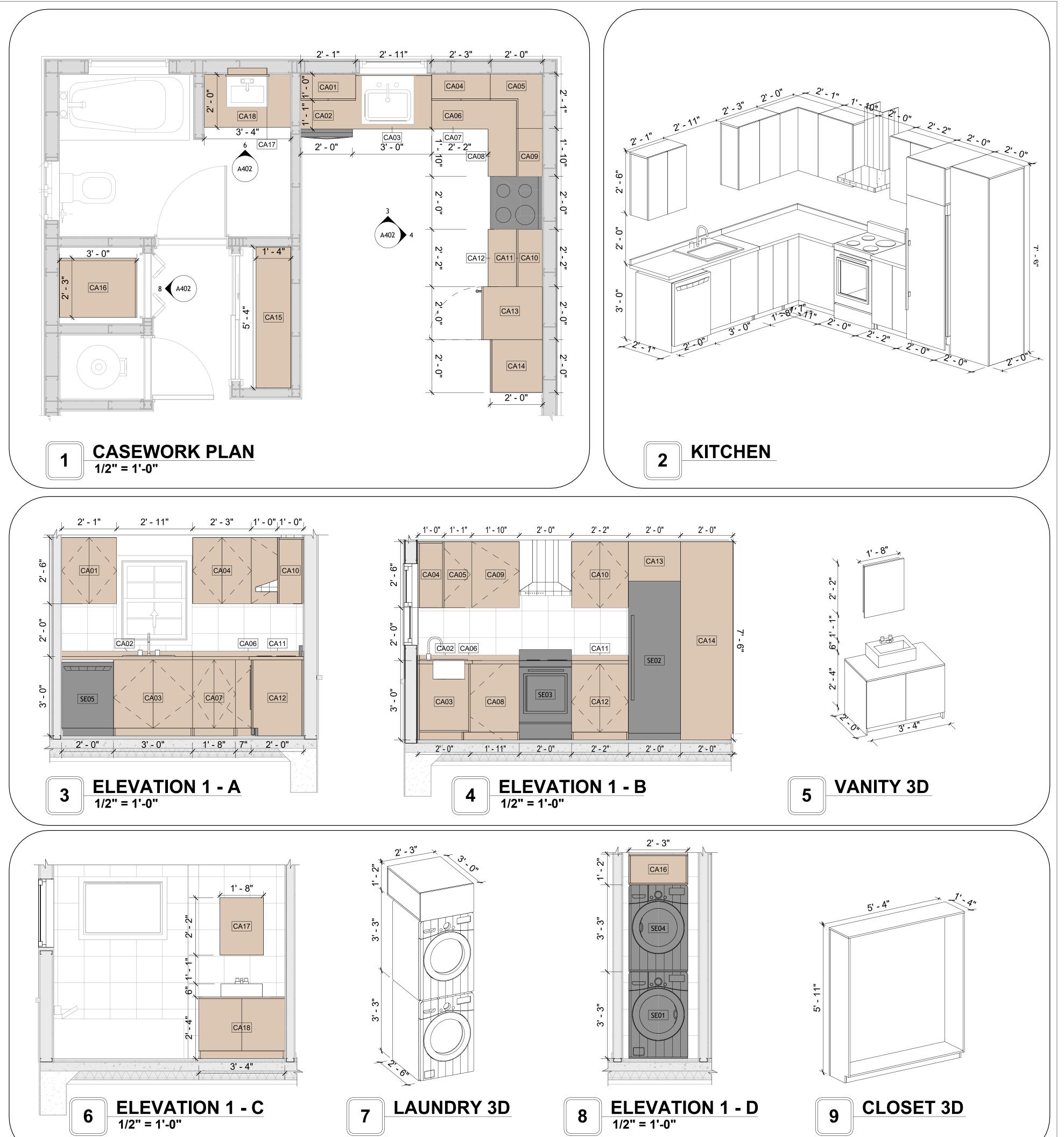
SCALE: 1" = 1'-0"

## **CASEWORK GENERAL NOTES**

- ALL CABINET HEIGHTS INCLUDE COUNTERTOPS. DIMENSIONS ARE TO THE NEAREST INCH. DIVISIONS IN CASEWORK ARE SHOWN FOR CLARITY AND DO NOT REPRESENT BREAKS IN THE COUNTERTOP.
- PROVIDE CONTINUOUS COUNTERTOP OVER ALL SIMILAR HEIGHT CASEWORK, UNLESS AND OTHERWISE NOTED.
- MANUFACTURER AND CATALOG NUMBERS ARE FOR REFERENCE AND ILLUSTRATION PURPOSES
- 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.
- ALL CABINETS AND DRAWERS TO HAVE CAM LOCKS EXCEPT FOR SINK BASE CABINETS.
  ALL EXPOSED SURFACES (EXPOSED TO VIEW FROM ANY PERSPECTIVE) TO BE COVERED WITH
- LAMINATE. 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.
- 10. ALL CABINETS AND DRAWERS ARE PROVIDED WITH RECESSED HANDLES.
- 11. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK OR CASEWORK FABRICATION.
- 12. CASEWORK DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DESIGN INTENT

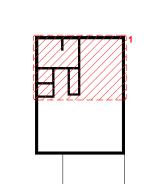
	CASEWORK SCHEDULE					
TYPE MAR K	TYPE	COUN	HEIGHT	WIDTH	DEPTH	AREA
01	WALL_CABINET_DOUBLE_DOOR 5	1	2' - 6"	2' - 1"	1' - 0"	5 SF
02	HD_LINEAR_COUNTER_TOP 3	1	0' - 4"	5' - 0"	2' - 1"	2 SF
03	BASE_CABINET_DOUBLE_DOOR 2	1	2' - 11"	3' - 0"	2' - 0"	9 SF
04	WALL_CABINET_DOUBLE_DOOR 4	1	2' - 6"	2' - 3"	1' - 0"	6 SF
05	WALL_CABINET_L-SHAPE 4	1	2' - 6"	2' - 0"	2' - 0"	5 SF
06	HD_L-SHAPE_COUNTER_TOP	1	0' - 4"	4' - 4"	6' - 3"	1 SF
07	BASE CABINET DOUBLE DOOR 1	1	2' - 11"	1' - 8"	2' - 0"	5 SF
08	BASE_CABINET_L-SHAPED 3	1	2' - 11"	3' - 3"	3' - 3"	9 SF
09	WALL_CABINET_SINGLE_DOOR	1	2' - 6"	1' - 10"	1' - 0"	5 SF
10	WALL_CABINET_DOUBLE_DOOR 6	1	2' - 6"	2' - 2"	1' - 0"	5 SF
11	HD_LINEAR_COUNTER_TOP 2	1	0' - 4"	2' - 2"	2' - 1"	1 SF
12	BASE CABINET DOUBLE DOOR 4	1	2' - 11"	2' - 2"	2' - 0"	6 SF
13	REFRIGERATOR TOP	1	1' - 6"	2' - 0"	2' - 4"	3 SF
14	HD_TALL_CABINET_24	1	7' - 6"	2' - 0"	2' - 0"	15 SF
15	CLOSET_4	1	5' - 11"	5' - 4"	1' - 4"	32 SF
16	LAUNDRY OPEN CABINET 2	1	1' - 2"	2' - 3"	3' - 0"	3 SF
17	RECESSED_MED_CABINET 2	1	2' - 0"	1' - 6"	0' - 3"	3 SF
18	VANITY_CABINET_2	1	2' - 4"	3' - 4"	2' - 0"	8 SF
GRAND TOTAL 18						

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





**KEY PLAN** 



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

**52 HAMILTON 497 STUDIO** RANCH 550

DRAWING NAME

ARCHITECTURAL CASEWORK

CLIENT NAME:	Client Name
PROJECT NUMBER:	0061_12
DATE:	2/17/2025 2:58:31 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

A402

## **GENERAL NOTES**

APPLICABLE GUIDELINES AND REGULATIONS.

1. THIS DRAWING DEPICTS THE HVAC (HEATING, VENTILATION, AND AIR CONDITIONING) SYSTEM FOR THE HAMILTON STUDIO RANCH. IT PROVIDES A VISUAL REPRESENTATION OF THE SYSTEM LAYOUT AND COMPONENTS.

2.THE HVAC SYSTEM IS DESIGNED TO MEET THE SPECIFIC REQUIREMENTS OF THE BUILDING, INCLUDING HEATING, COOLING, AND VENTILATION NEEDS, AS PER THE PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS.

3. THE HVAC SYSTEM INSTALLATION SHALL COMPLY WITH THE LATEST EDITION OF THE INTERNATIONAL MECHANICAL CODE (IMC), INTERNATIONAL RESIDENTIAL CODE (IRC), AND ALL OTHER APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND REGULATIONS.

4. THE EQUIPMENT SHOWN ON THIS DRAWING INCLUDES BUT IS NOT LIMITED TO AIR HANDLING UNITS (AHUS), CHILLERS, BOILERS, COOLING TOWERS, PUMPS, DUCTWORK, DIFFUSERS, GRILLES, AND CONTROL DEVICES.

5. ALL EQUIPMENT, DUCTWORK, AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, LOCAL CODES, AND

6. ALL DUCTWORK SHALL BE SIZED, FABRICATED, AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE ACCA MANUAL D AND THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS. DUCTWORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, PROPERLY SUPPORTED AND BRACED TO PREVENT SAGGING, AIR LEAKAGE, OR VIBRATION.

7. CONDENSATE DRAINAGE PIPING SHALL BE PROPERLY PITCHED TO ENSURE POSITIVE DRAINAGE TO AN APPROVED DISPOSAL LOCATION, SUCH AS A FLOOR DRAIN, SUMP PUMP, OR EXTERIOR GRADE. CONDENSATE LINES SHALL BE INSULATED TO PREVENT SWEATING.

8. THE LOCATION OF CONTROL PANELS AND SENSORS INDICATED ON THIS DRAWING CAN BEMODIFY WITH THE SPECIFIC LOCATIONS AND WIRING DETAILS WILL BE DETERMINED DURING THE CONTROL SYSTEM DESIGN AND INSTALLATION.

9. THE HVAC SYSTEM DESIGN CONSIDER ENERGY EFFICIENCY, INDOOR AIR QUALITY, OCCUPANT COMFORT, AND NOISE CONTROL, FOLLOWING

10. COORDINATION WITH OTHER TREADS HAS BEEN DONE ON A DESIGN LEVEL. THIS DRAWING SHALL BE READ TOGETHER WITH THE AR, EL AND SN

DESIGN DRAWINGS TO ENSURE PROPER INSTALLATION AND INTEGRATION OF THE HVAC SYSTEMS.

11. THE HVAC CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND LICENSES, AND FOR SCHEDULING AND COORDINATING

WITH THE LOCAL BUILDING DEPARTMENT AND UTILITY PROVIDERS TO ENSURE A TIMELY AND COMPLIANT INSTALLATION.

12. ALL DUCTWORK PENETRATIONS THROUGH WALLS, FLOORS, OR CEILINGS SHALL BE PROPERLY SEALED AND FIRE-STOPPED USING APPROVED METHODS AND MATERIALS TO MAINTAIN THE INTEGRITY OF THE BUILDING'S FIRE-RESISTANCE RATINGS.

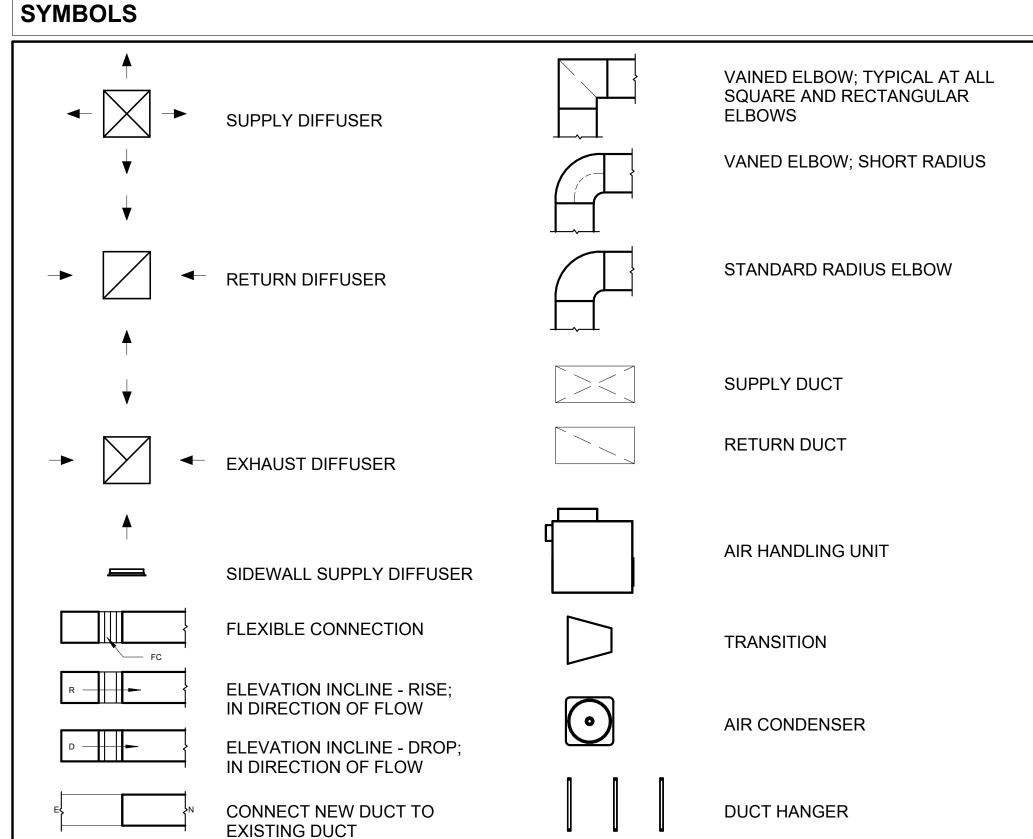
13. HVAC EQUIPMENT SHALL BE INSTALLED LEVEL AND PLUMB, AND IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. PROVIDE ADEQUATE CLEARANCES AROUND EQUIPMENT FOR PROPER AIRFLOW, SERVICE ACCESS, AND CODE COMPLIANCE.

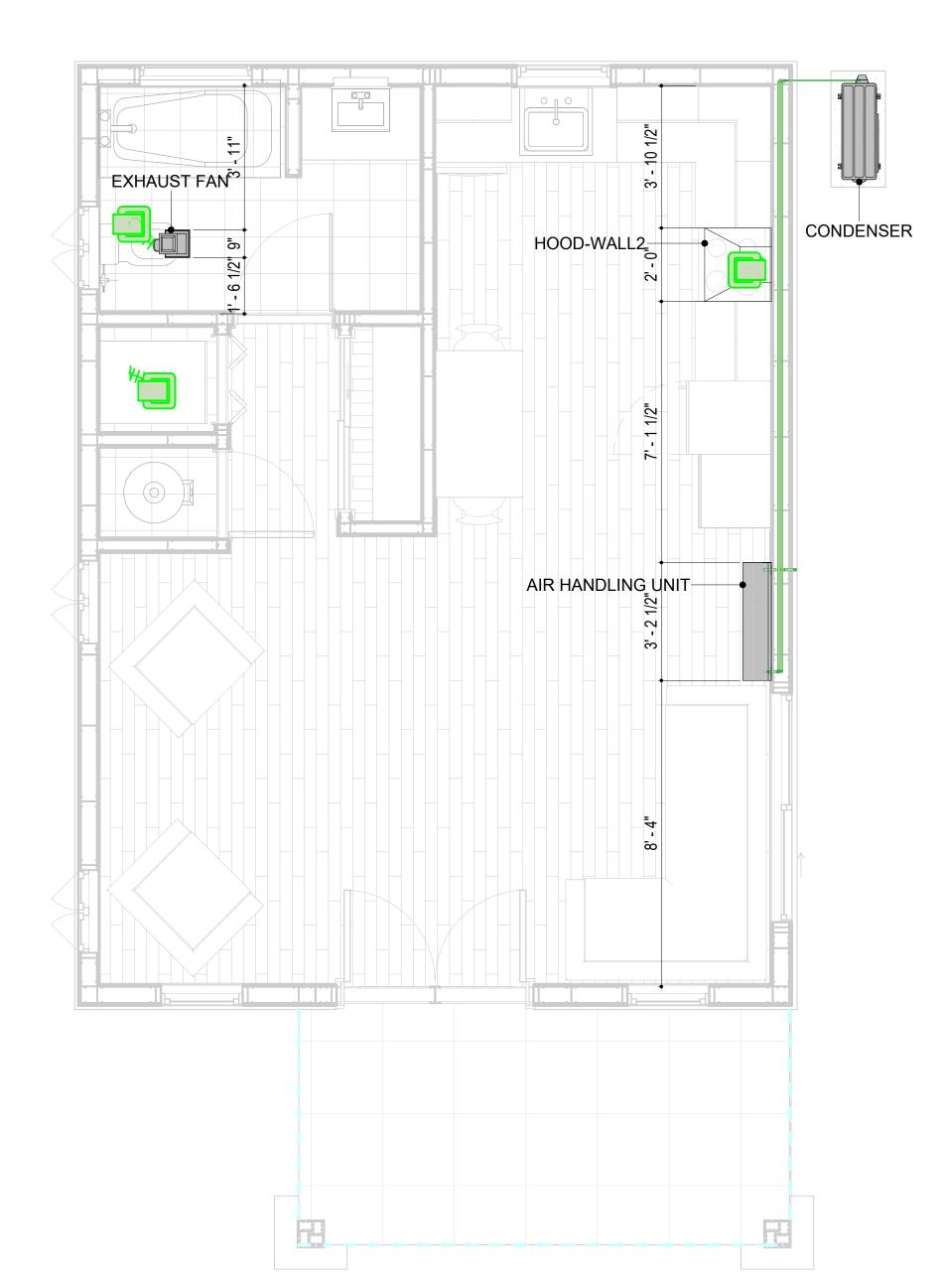
14. ALL HVAC EQUIPMENT AND COMPONENTS, INCLUDING THERMOSTATS, DAMPERS, AND ACCESS PANELS, SHALL BE LOCATED IN ACCESSIBLE AREAS FOR EASY SERVICING AND MAINTENANCE. PROVIDE ADEQUATE SPACE AROUND EQUIPMENT FOR PROPER AIRFLOW AND SERVICE ACCESS.

15. THE HVAC SYSTEM SHALL BE BALANCED AND ADJUSTED TO ENSURE PROPER AIRFLOW, TEMPERATURE DISTRIBUTION, AND SYSTEM PERFORMANCE THROUGHOUT THE RESIDENCE. PROVIDE A WRITTEN REPORT DOCUMENTING THE FINAL SYSTEM BALANCE.

16. ANY DEVIATIONS OR MODIFICATIONS TO THE HVAC SYSTEM DESIGN SHALL BE REVIEWED AND APPROVED BY THE RESPONSIBLE DESIGN PROFESSIONALS AND COMMUNICATED TO ALL RELEVANT PARTIES INVOLVED IN THE CONSTRUCTION PROCESS.

17. FOR ANY INQUIRIES OR CLARIFICATIONS REGARDING THE HVAC SYSTEM DESIGN, PLEASE CONSULT THE RESPONSIBLE DESIGN PROFESSIONALS OR THE PROJECT MANAGEMENT TEAM.





**HVAC PLAN** 3/8" = 1'-0"

## HVAC COLOR SCHEME

AIR CONDITIONING PIPE

REFRIGERANT LINE SCHEDULE			
CATAGORY	DESCRIPTION	DIAMETER	LENGTH
PIPE TYPES	COPPER	1/4"	1.96
PIPE TYPES	COPPER	3/8"	25.30
PIPE TYPES	COPPER	1/2"	2.04
PIPE TYPES	<by category=""></by>	5/8"	0.08
PIPE TYPES	COPPER	3/4"	31.74

REFRIGERANT LINE FITTING SCHEDULE				
CATAGORY	DESCRIPTION	Size	Count	
ELBOW - GENERIC	ELBOW - GENERIC: STANDARD/HVAC	1/2"ø-1/2"ø	2	
ELBOW - GENERIC	ELBOW - GENERIC: STANDARD/HVAC	1/4"ø-1/4"ø	1	
ELBOW - GENERIC	ELBOW - GENERIC: STANDARD/HVAC	3/4"ø-3/4"ø	7	
ELBOW - GENERIC	ELBOW - GENERIC: STANDARD/HVAC	3/8"ø-3/8"ø	6	
ELBOW - GENERIC	ELBOW - GENERIC: STANDARD/HVAC	5/8"ø-5/8"ø	1	
TRANSITION - GENERIC	TRANSITION - GENERIC: STANDARD	3/4"ø-1/2"ø	3	
TRANSITION - GENERIC	TRANSITION - GENERIC: STANDARD	3/4"ø-5/8"ø	1	
TRANSITION - GENERIC	TRANSITION - GENERIC: STANDARD	3/8"ø-1/4"ø	1	

MECHANICAL EQUIPMENT SCHEDULE				
CATAGORY DESCRIPTION COUNT				
AIR HANDLING UNIT AIR HANDLING UNIT: WALL MOUNTED 1				
CONDENSER	CONDENSER: OUT DOOR 1			
EXHAUST FAN	EXHAUST FAN: 75 CFM 1			
	HOOD-WALL2: VENT 2 1			

DUCT FITTING SCHEDULE				
CATAGORY	DESCRIPTION	COUNT		
ROUND TRANSITION - ANGLE 45 DEGREE 5				

DUCT ACCESSORY SCHEDULE		
CATAGORY	DESCRIPTION	COUNT
ROOF VENT	3" DIAMETER	3

FLEX DUCT SCHEDULE				
DESCRIPTION	DESCRIPTION	LENGTH	DIAMETER	COUNT
FLEX DUCT ROUND	FLEX-ROUND	9.90	4"	3
GRAND TOTAL: 3		9.90		-



**KEY PLAN** 

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

52-Hamilton-497-Studio Ranch-550

DRAWING NAME

**HVAC PLAN** 

CLIENT NAME: Owner PROJECT NUMBER: 15\_0001 DATE: 2/14/2025 4:15:56 AM Designer DESIGNED BY: DRAWN BY: Author CHECKED BY: Checker

M101

SCALE: As indicated

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## **ELECTRICAL NOTES**

- 1. THIS DRAWING DEPICTS THE ELECTRICAL SYSTEM FOR THE 52-HAMILTON-497-STUDIO RANCH-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 DIMMENSIONED.
- 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 FOLIPMENT
- PLATE RATINGS OF SELECTED EQUIPMENT.

  13. VERIFY LOCATION OF SERVICE ENTRANCE WITH POWER COMPANY. PROVIDE UFER GROUND IN
- 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 497 @ 3W	1,491 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	24,791 W
FRIST 10,000 @ 100% REMAINDER @ 40% MINI. SPLIT UNITS	10,000 W 5,916 W 2880 W
TOTAL	18,196 W

18,196 W DIVIDED BY 240V = 76 AMPS TOTAL

(USE 100 AMP SERVICE)

## **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
СВ	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

**Branch Panel:** 

Location: STUDIO 06
Supply From:
Mounting: Recessed
Enclosure: Type 1

Volts: 120/240 Single Phases: 1 Wires: 3 A.I.C. Rating:
Mains Type:
Mains Rating: 100 A
MCB Rating: 1 A

Notes:

Circuit Description	Number of Elements	Rating	Length	Wire Size	A	<u>.                                    </u>	I	3	Wire Size	Length	Rating	Number of Elements	Circuit Description	Circu Numl er
CONDENCER	1	40 A	21' - 1 1/16"	2-#8, 1-#8, 1-#10	750 VA	720 VA			1-#12, 1-#12, 1-#12	22' - 1 13/16"	20 A	4	GFCI KITCHEN RECEPTACLES	2
							750 VA	750 VA	2-#8, 1-#8, 1-#10	15' - 4 15/16"	50 A	1	RANGE	4
REFRIGERATOR	1	20 A	11' - 4 15/16"	1-#12, 1-#12, 1-#12	1500 VA	750 VA								6
OUT-DOOR UNITS	6	20 A	33' - 0 7/8"	1-#12, 1-#12, 1-#12			733 VA	324 VA	1-#12, 1-#12, 1-#12	36' - 7 11/16"	20 A	8	KITCHEN LIGHT UNITS	8
LIVING ROOM AND HALL LIGHT UNITS		20 A	45' - 5 1/8"	1-#12, 1-#12, 1-#12	516 VA	576 VA			1-#12, 1-#12, 1-#12	29' - 0 3/4"	20 A	7	BATH ROOM UNITS	10
DRYER	1	30 A	32' - 1 7/8"	2-#10, 1-#10, 1-#10			750 VA	1200 VA	1-#12, 1-#12, 1-#12	34' - 2 3/8"	20 A	1	GFCI WASHER	12
					750 VA	750 VA			2-#10, 1-#10, 1-#10	30' - 7 1/16"	30 A	1	WATER HEATER	14
DISH WASHER	1	30 A	28' - 11 7/32"	1-#10, 1-#10, 1-#10			1200 VA	750 VA						16
LIVING ROOM RECEPTACLES	5	20 A	40' - 4 7/16"	1-#12, 1-#12, 1-#12	900 VA									18
														20
														22
														24
														26
					7210	VA	645	4 VA						
	CONDENCER  REFRIGERATOR  OUT-DOOR UNITS  LIVING ROOM AND HALL LIGHT UNITS  DRYER  DISH WASHER  LIVING ROOM	CONDENCER 1  REFRIGERATOR 1  OUT-DOOR UNITS 6  LIVING ROOM AND HALL LIGHT UNITS 13  DRYER 1  1  DISH WASHER 1  LIVING ROOM 5	CONDENCER 1 40 A  REFRIGERATOR 1 20 A  OUT-DOOR UNITS 6 20 A  LIVING ROOM AND HALL LIGHT UNITS 13 20 A  DRYER 1 30 A   DISH WASHER 1 30 A  LIVING ROOM 5 20 A	CONDENCER 1 40 A 21' - 1 1/16"	CONDENCER 1 40 A 21' - 1 1/16" 2-#8, 1-#8, 1-#10	CONDENCER 1 40 A 21' - 1 1/16" 2#8, 1#8, 1-#10	CONDENCER 1 40 A 21' - 1 1/16" 2#8, 1-#8, 1-#8, 1-#10. 750 VA 720 VA	CONDENCER 1 40 A 21'-11/16" 2-#8, 1-#8, 1-#10, 750 VA 720 VA 750	CONDENCER 1 40 A 21' - 1 1/16" 2-#8, 1-#8, 1-#8, 1-#10 750 VA 720 VA	CONDENCER 1 40 A 21'-11/16" 2-#8, 1-#8, 1-#8, 1-#10. 750 VA 720 VA	CONDENCER 1 40 A 21'-11/16" 2#8, 1#8, 1#8, 1#10 750 VA 720 VA 1#12 22'-113/16" 1#12, 1#12 22'-113/16" 1#12, 1#12 22'-113/16" 1#12, 1#12 22'-113/16" 1#12, 1#12 1500 VA 750	CONDENCER 1 40 A 21' - 1 1/16" 2-#8, 1-#8, 1-80, 1-90 VA 720 VA 1-1412, 1-412,	CONDENCER 1 40 A 21'-11/16" 2-#8.1-#8. 750 VA 720 VA	CONDENCER 1 40 A 21'-11/16" 2-#8, 1-#8, 1-#10, 1-#12, 1-#1

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
Lighting - Dwelling Unit	300 VA	100.00%	300 VA		
Other	864 VA	100.00%	864 VA	Total Conn. Load:	13665 VA
Receptacle	12420 VA	90.26%	11210 VA	Total Est. Demand:	12455 VA
Lighting	100 VA	100.00%	100 VA	Total Conn.:	57 A
				Total Est. Demand:	52 A

Notes:



**KEY PLAN** 

NO. DESCRIPTION DATE

NOTE:

LEGEND:

PROJECT

52-HAMILTON-497-STUDIO RANCH-550

DRAWING NAME

SCHEDULE

CLIENT NAME:

PROJECT NUMBER:

0037\_14

DATE:

2/15/2025 5:07:32 AM

DESIGNED BY:

DRAWN BY:

CHECKED BY:

Checker

E101

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

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## **ELECTRICAL NOTE**

- 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.

#### NOTE:

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.

#### **NOTE: APPLIANCE DISCONNECT**

#### **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

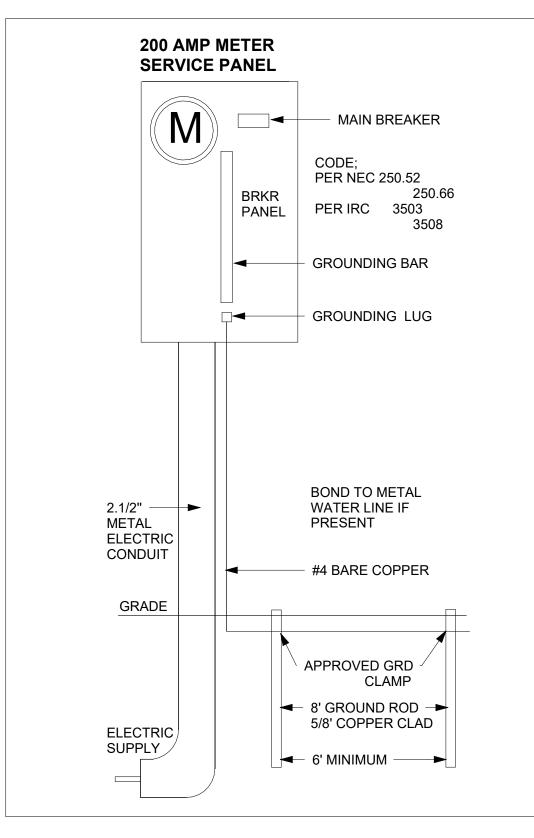
NONMETALLIC ENCLOSURES ARE USED WITH METAL RACEWAYS OR METAL-ARMORED CABLES, PROVISIONS SHALL BE MADE FOR CONNECTING THE EQUIPMENT GROUNDING

CONDUCTOR.

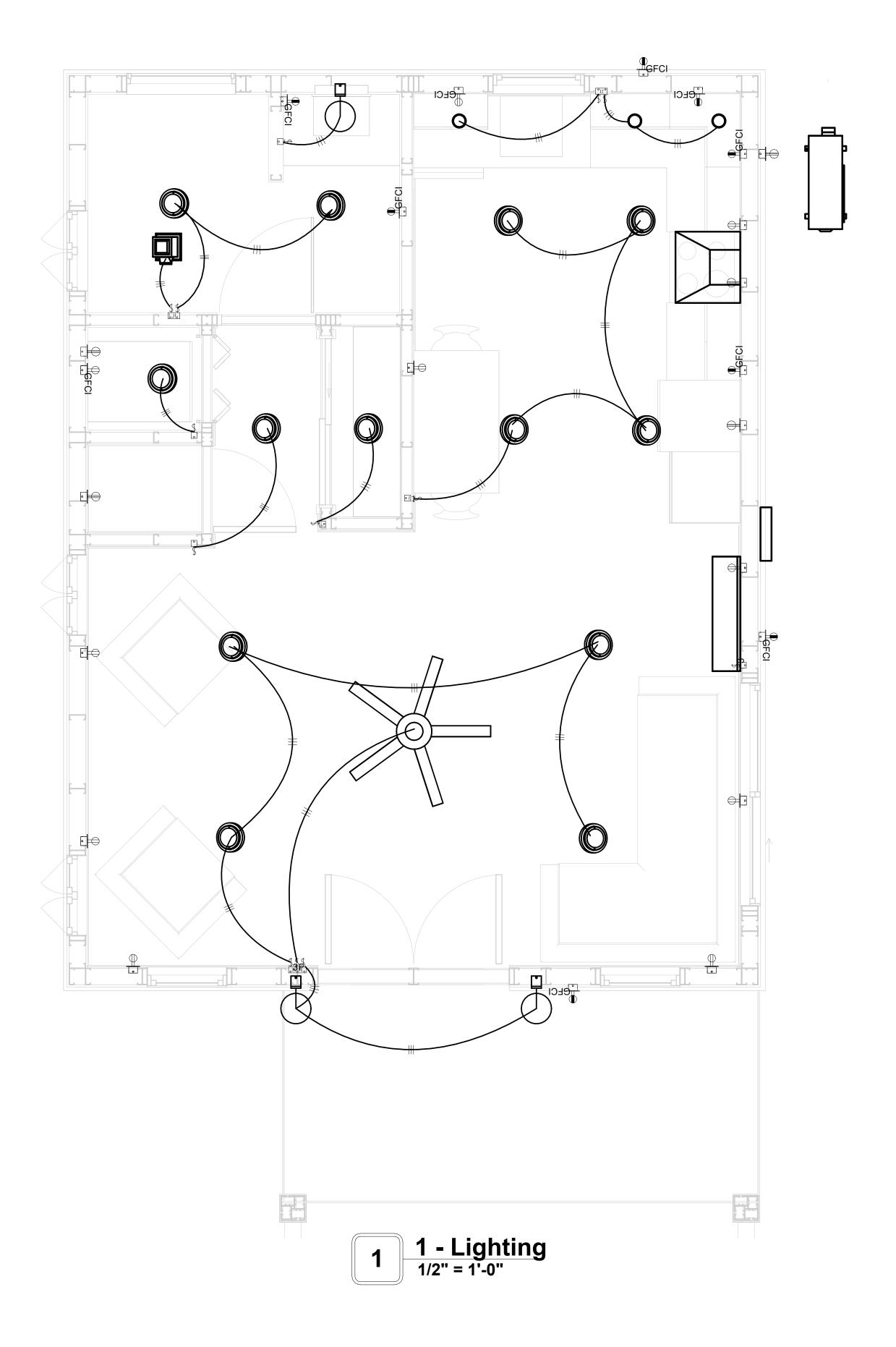
NONMETALLIC BOXES FOR SWITCHES SHALL BE INSTALLED WITH A WIRING METHOD THAT

PROVIDES OR INCLUDES AN EQUIPMENT GROUNDING CONDUCTOR. (404.12)

## **ELECTRICAL LEGEND Electrical Lights With Fan Waterproof Recessed Can Light** 0 Pendant Light **Recessed Can Light** 0 **−**Ø **Wall Lamp Standalone linear** Single Switch **₩** ુ∺ Three way Switch Fan Switch **Duplex Receptacle** Triplex Receptacle **GFCI Receptacle** $\mathbb{X}$ Exhaust Fan Smoke and heat detector









**KEY PLAN** 

NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

52-HAMILTON-497-STUDIO RANCH-550

DRAWING NAME

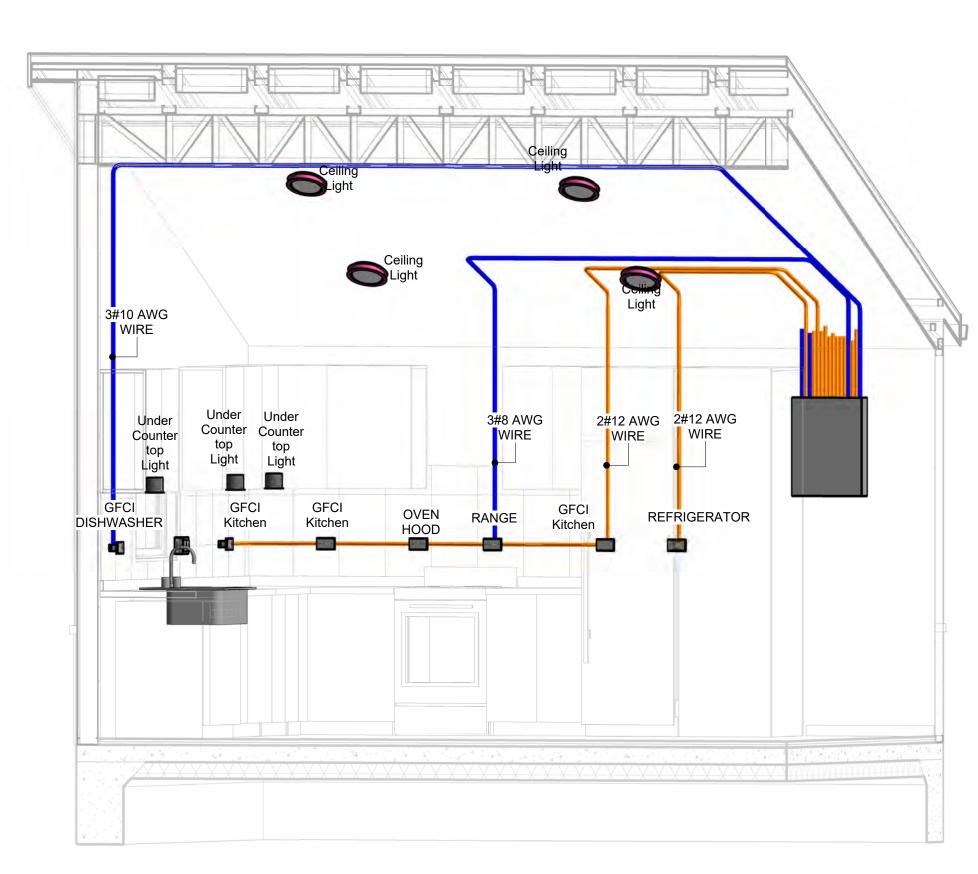
LIGHTING

CLIENT NAME:	Owner
PROJECT NUMBER:	0037_14
DATE:	2/15/2025 5:07:34 AM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

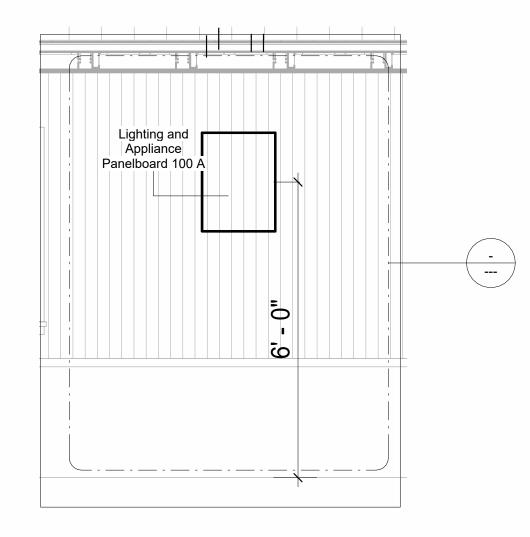
E102

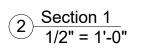
## **NOTES: CONDUIT, CABLE AND WIRING**

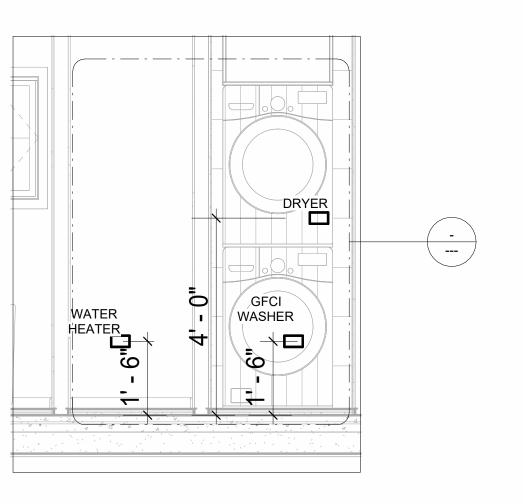
- Use Metalic Conduits (IMC) for cables running under concrete slabs.
   Use IMC for circuits with high voltage appliances (240 volts and above)
   For circuits with 120 volts consider using EMT or PVC conduits if needed.
   For Low voltage applications up to 50 volts consider using non metalic conduits.
   All conduits to be used in the project must conform to the latest National Electrical Code (NEC),
- 5. All conduits to be used in the project must comorn 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.



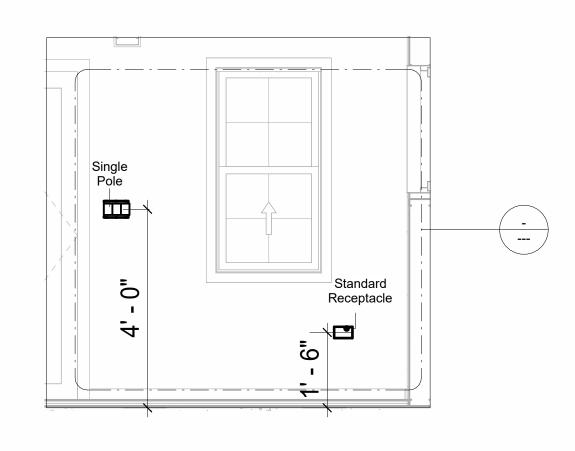


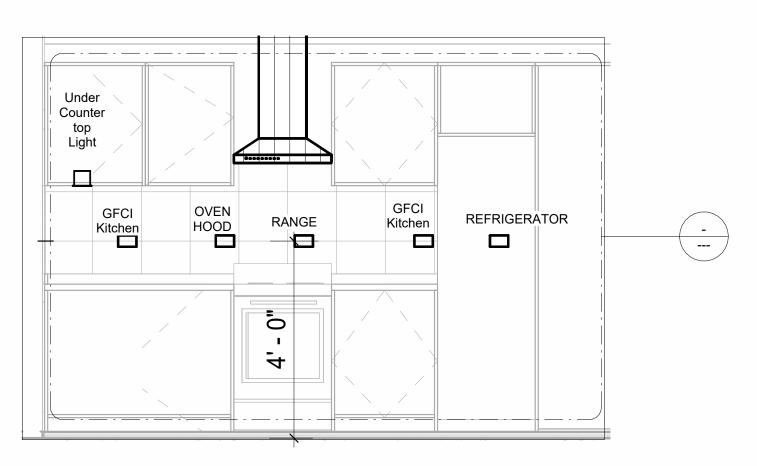






4 Section 3 1/2" = 1'-0"

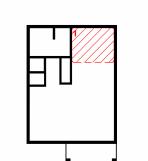




6 Section 4 1/2" = 1'-0"



**KEY PLAN** 



NO.	DESCRIPTION	DATE

NOTE:

LEGEND:

PROJECT

**52-HAMILTON-497-STUDIO** RANCH-550

DRAWING NAME

**POWER** 

CLIENT NAME:	Owner
PROJECT NUMBER:	0037_14
DATE:	2/15/2025 5:07:58 AM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

E103

## **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**

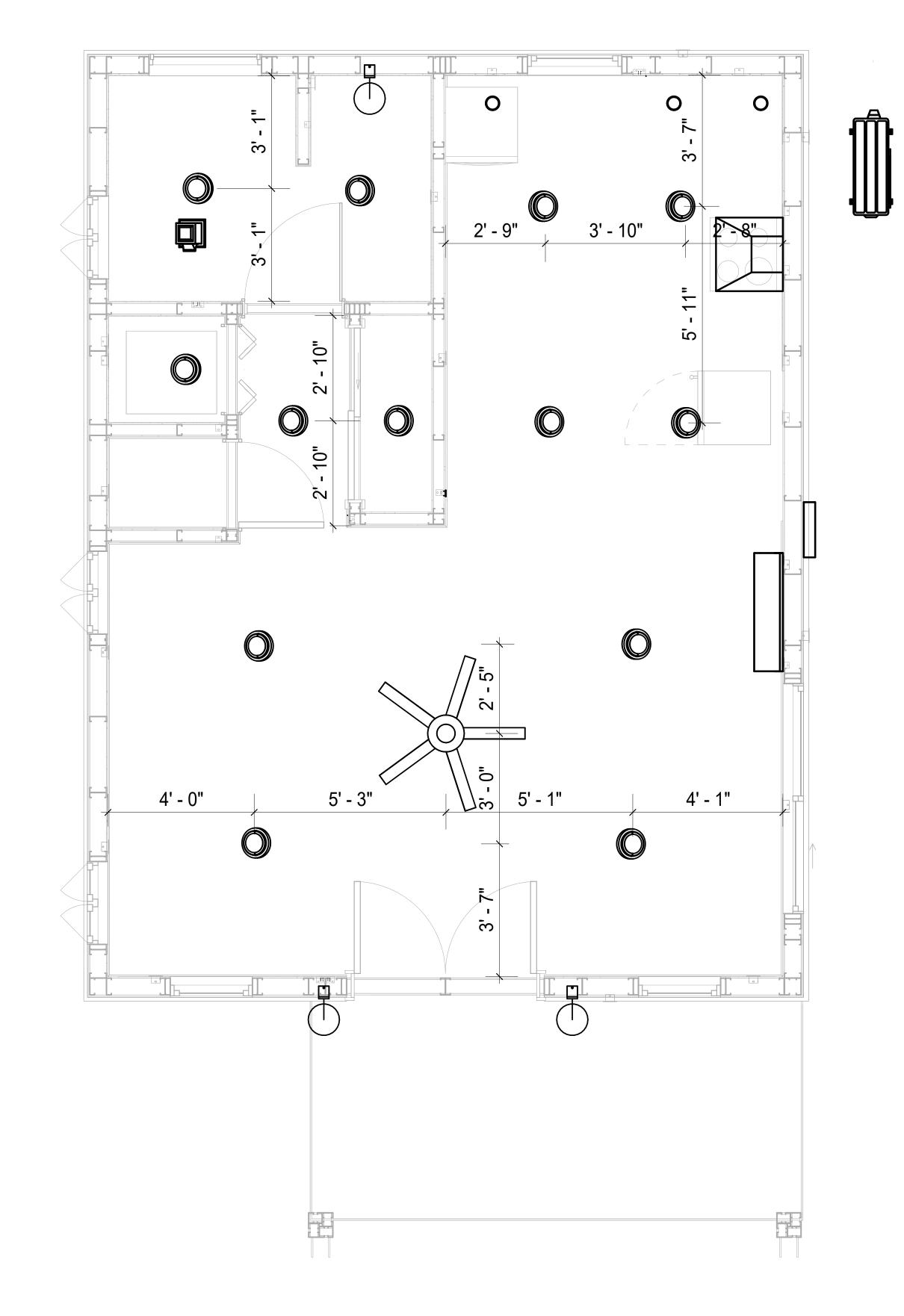
- THE MINIMUM SIZE OF JUCTION BOX TO BE USED IS 2"X4"X(1.5" OR 3.5" DEEP) THIS ARE TO BE USED FOR SINGLE GANG SWITCH OR OUTLETS.
- 2. FOR DOUBLE GANG (2 GANG) OUTLETS AND SWITCHS THE MINIMUM SIZE OF THE
- JUCTION BOX TO BE PROVIDED SHALL NOT BE LESS THAN 4"X4"X(1.5" OR 3.5" DEEP)
- 3. FOR THREE GANG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

Conduit Fitting Schedule(junction box)					
Family	Count	Description			
pullbox1	14	#1/4 pullbox			

Electrical Fixture Schedule (SWITCH BOX)						
Type	Count					
Double Gang Switch Box	2					
Single Gang Switch Box	6					
Triple Gang Switch Box	1					

Lighting Device						
Туре	Count					
Fan switch	1					
Single Pole	10					
Single Pole Three Way	2					

Lighting Fixture						
Lighting Fixture Type	Voltage	Electrical Load	Count			
Electrical_Lights_Fan-Light1	120 V/1-100 VA- 120 V/1-100 VA	Lighting and Appliance Panelboard 100 A, 120 V/240 V, Single Phase,	1			
	V/1-100 VA	3 Wires				
Lighting_Recessed	120 V/1-60 VA	Lighting and Appliance Panelboard 100 A, 120 V/240 V, Single Phase, 3 Wires	13			
SASSO 100 round wallwasher trim	120 V/1-28 VA	Lighting and Appliance Panelboard 100 A, 120 V/240 V, Single Phase, 3 Wires	3			
Wall Lamp - Bracket	120 V/1-100 VA	Lighting and Appliance Panelboard 100 A, 120 V/240 V, Single Phase, 3 Wires	3			



DIMENSION FOR LIGHT FIXTURES
1/2" = 1'-0"



**KEY PLAN** 

NO. DESCRIPTION DATE

NOTE:

LEGEND:

PROJECT

52-HAMILTON-497-STUDIO RANCH-550

DRAWING NAME

# DIMENSION PLAN FOR LIGHT FIXTURES

CLIENT NAME: Owne	er
PROJECT NUMBER: 0037_1	4
DATE: <b>2/15/2025 5:07:59 A</b>	M
DESIGNED BY: Designe	ər
DRAWN BY: Autho	or
CHECKED BY: Checket	er

E104

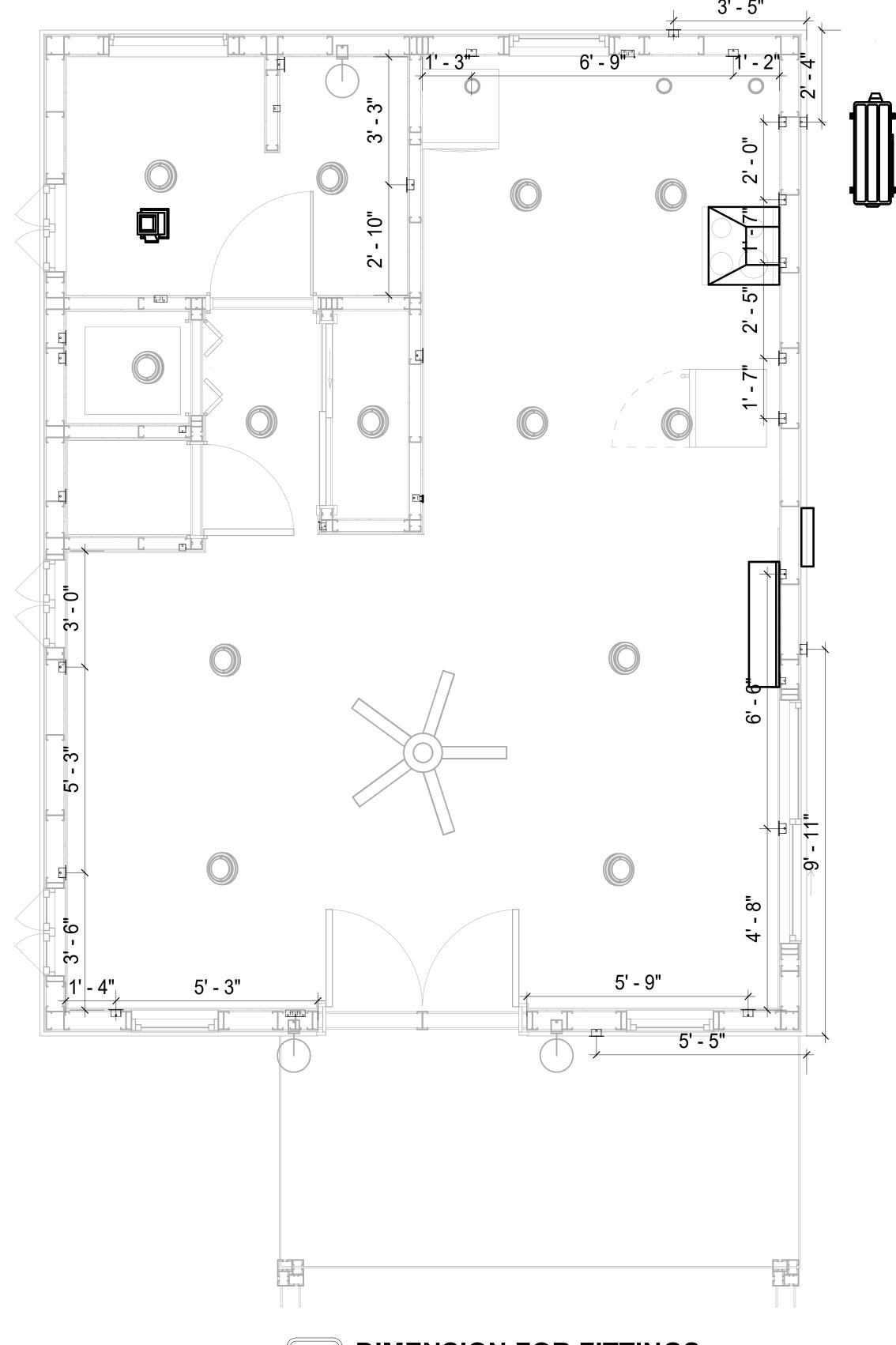
SCALE: 1/2" = 1'-0"

## NOTES;

- VERIFY EQUIPMENT PLUG CONFIGURATION BEFORE PURCHASING RECEPTACLES
   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)					
Туре	Count				
CONDENSER	1				
DRYER	1				
GFCI BATH ROOM	2				
GFCI DISHWASHER	1				
GFCI Kitchen	3				
GFCI OUT DOOR	3				
GFCI WASHER	1				
OVEN HOOD	1				
RANGE	1				
REFRIGERATOR	1				
Standard Receptacle	7				
WATER HEATER	1				

Electrical Outlet Schedule							
Type	Circuit Number	Electrical Data	Count				
Standard Receptacle		120 V/1-180 VA	2				
CONDENSER	1,3	240 V/2-1500 VA	1				
GFCI Kitchen	2	120 V/1-180 VA	3				
OVEN HOOD	2	120 V/1-180 VA	1				
RANGE	4,6	240 V/2-1500 VA	1				
REFRIGERATOR	5	120 V/1-1500 VA	1				
GFCI OUT DOOR	7	120 V/1-180 VA	3				
GFCI BATH ROOM	10	120 V/1-180 VA	2				
DRYER	11,13	240 V/2-1500 VA	1				
GFCI WASHER	12	120 V/1-1200 VA	1				
WATER HEATER	14,16	240 V/2-1500 VA	1				
GFCI DISHWASHER	15	120 V/1-1200 VA	1				
Standard Receptacle	17	120 V/1-180 VA	5				



DIMENSION FOR FITTINGS
1/2" = 1'-0"



**KEY PLAN** 

DESCRIPTION

NOTE:

LEGEND:

PROJECT

52-HAMILTON-497-STUDIO RANCH-550

DRAWING NAME

# **DIMENSION PLAN** FOR FITTINGS

CLIENT NAME:	Owner
PROJECT NUMBER:	0037_14
DATE:	2/15/2025 5:08:00 AM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

E105

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

## SHEET LIST

SHEET NUMBER SHEET NAME

P101 NOTE AND SCHEDULE
P102 WATER SUPPLY AND SEWAGE
SYSTEM

# DOMESTIC COLD WATER DOMESTIC HOT WATER DOMESTIC HOT WATER SANITARY VENT SANITARY SEWER STORM DRAINAGE GRAY WATER GAS LINE

## PLUMBING NOTES

- 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 BÉ USED FOR THE RAIN WATER SYSTEM.
  21. THE MIMIMUM WATER SUPPLY DEPTH UNDER FLOOR FINISH SHOUD 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
НВ	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

D	CAP
	BEND 45 DEG
B	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"	3 FT				
ACRYLONITRILE BUTADIENE STYRENE (ABS)	2"	28 FT				
ACRYLONITRILE BUTADIENE STYRENE (ABS)	3"	36 FT				
CROSS-LINKED POLYETHYLENE (PEX) 1/2" 76 FT						
CROSS-LINKED POLYETHYLENE (PEX) 3/4" 21 FT						
POLYVINYL CHLORIDE - RIGID	2"	61 FT				

FITTING SCHEDULE					
FITTING	SIZE	QTY			
DOMESTIC COLD WATER					
PEX 90 DEGREE ELBOW	1/2"ø-1/2"ø	14			
PEX 90 DEGREE ELBOW	3/4"ø-3/4"ø	2			
PEX TEE ELBOW	1/2"ø-1/2"ø-1/2"ø	5			
PEX TEE ELBOW	3/4"ø-3/4"ø	2			
PEX TRANSITION ELBOW	1"ø-3/4"ø	2			
PEX TRANSITION ELBOW	3/4"ø-1/2"ø	1			
DOMESTIC HOT WATER					
PEX 90 DEGREE ELBOW	1/2"ø-1/2"ø	8			
PEX 90 DEGREE ELBOW	3/4"ø-3/4"ø	3			
PEX TEE ELBOW	1/2"ø-1/2"ø	3			
PEX TRANSITION ELBOW	3/4"ø-1/2"ø	1			
SEWAGE					
ABS 90 DEGREE BEND ELBOW	1 1/2"ø-1 1/2"ø	1			
ABS 90 DEGREE BEND ELBOW	2"ø-2"ø				
ABS 90 DEGREE BEND ELBOW		2			
ADS 90 DEGREE DEIND ELDOW	3"ø-3"ø	2 2			
ABS P-TRAP	3"ø-3"ø 1 1/2"ø-1 1/2"ø				
		2			
ABS P-TRAP	1 1/2"ø-1 1/2"ø	2 1			
ABS P-TRAP ABS P-TRAP	1 1/2"ø-1 1/2"ø 2"ø-2"ø	2 1 2			
ABS P-TRAP ABS P-TRAP ABS REDUCER ELBOW	1 1/2"ø-1 1/2"ø 2"ø-2"ø 2"ø-1 1/2"ø	2 1 2 1			
ABS P-TRAP ABS P-TRAP ABS REDUCER ELBOW ABS REDUCER ELBOW	1 1/2"ø-1 1/2"ø 2"ø-2"ø 2"ø-1 1/2"ø 3"ø-2"ø	2 1 2 1 1			
ABS P-TRAP ABS P-TRAP ABS REDUCER ELBOW ABS REDUCER ELBOW ABS TEE ELBOW	1 1/2"ø-1 1/2"ø 2"ø-2"ø 2"ø-1 1/2"ø 3"ø-2"ø 2"ø-2"ø-2"ø	2 1 2 1 1 1			
ABS P-TRAP ABS P-TRAP ABS REDUCER ELBOW ABS REDUCER ELBOW ABS TEE ELBOW ABS TEE ELBOW	1 1/2"ø-1 1/2"ø 2"ø-2"ø 2"ø-1 1/2"ø 3"ø-2"ø 2"ø-2"ø 3"ø-3"ø-3"ø	2 1 2 1 1 1			
ABS P-TRAP ABS P-TRAP ABS REDUCER ELBOW ABS REDUCER ELBOW ABS TEE ELBOW ABS TEE ELBOW ABS TEE ELBOW ABS TEE REDUCER ELBOW	1 1/2"ø-1 1/2"ø 2"ø-2"ø 2"ø-1 1/2"ø 3"ø-2"ø 2"ø-2"ø-2"ø 3"ø-3"ø-3"ø 3"ø-3"ø-3"ø	2 1 2 1 1 1 2 1			
ABS P-TRAP ABS P-TRAP ABS REDUCER ELBOW ABS REDUCER ELBOW ABS TEE ELBOW ABS TEE ELBOW ABS TEE REDUCER ELBOW ABS TEE REDUCER ELBOW ABS WYE COMBINATION WITH 8TH BEND ELBOW WASTE DOUBLE TEE	1 1/2"ø-1 1/2"ø 2"ø-2"ø 2"ø-1 1/2"ø 3"ø-2"ø 2"ø-2"ø-2"ø 3"ø-3"ø-3"ø 3"ø-3"ø-2"ø 3"ø-3"ø-1 1/2"ø	2 1 2 1 1 1 2 1 1			
ABS P-TRAP ABS P-TRAP ABS REDUCER ELBOW ABS REDUCER ELBOW ABS TEE ELBOW ABS TEE ELBOW ABS TEE REDUCER ELBOW ABS TEE REDUCER ELBOW ABS TEE REDUCER ELBOW ABS WYE COMBINATION WITH 8TH BEND ELBOW	1 1/2"ø-1 1/2"ø 2"ø-2"ø 2"ø-1 1/2"ø 3"ø-2"ø 2"ø-2"ø-2"ø 3"ø-3"ø-3"ø 3"ø-3"ø-2"ø 3"ø-3"ø-1 1/2"ø	2 1 2 1 1 1 2 1 1			

## FIXTURE CONNECTION SCHEDULE

NOTES

W V TRAP CW HW QTY DFU TOT. WFU TOT.

**FAMILY** 

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						16		0			
SHOWER TRAY	2"	1-1/2"	1-1/2"	1/2"	1/2"	1		0			
SHOWER TRIM	-	-	-	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	2	2	1.4	1.4	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	16						
SHOWER TRAY	1						
SHOWER TRIM	1						
VANITY SINK	1						
WASHER	1	DRAINS TO GRAY WATER OR SEWER SEE PLANS					
WATER CLOSET	1						
WATER HEATER	1						

ACCESSORIES & FITTINGS SCHEDULE							
FIXTURE	FIXTURE QTY DESCRIPTIONS						
DISHWASHER CONNECTOR	1						
HOSE BIB	1						
LAUNDRY SWEAT CONNECTOR1	1						
SHUTOFF VALVE	4						

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"			
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				
DIGUINA GUED							
DISHWASHER	1		0				
DRYER	1		0				
HANGING PIPES CLAMP	16		0				
SHOWER TRAY	1		0				
SHOWER TRIM	1		0				
VANITY SINK	1		0				
WASHER	1	1.4	1.4				
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	16		0					
SHOWER TRAY	1		0					
SHOWER TRIM	1		0					
VANITY SINK	1		0					
WASHER	1	2	2					
WATER CLOSET	1		0					
WATER HEATER	1		0					



Tuscon,AZ, USA 888-864-0184

**KEY PLAN** 

NO. DESCRIPTION DATE

NOTE:

LEGEND:

PROJECT

52-Hamilton-497-Studio Ranch-550

DRAWING NAME

NOTE AND SCHEDULE

CLIENT NAME:

 PROJECT NUMBER:
 0168\_11

 DATE:
 2/14/2025 3:29:21 PM

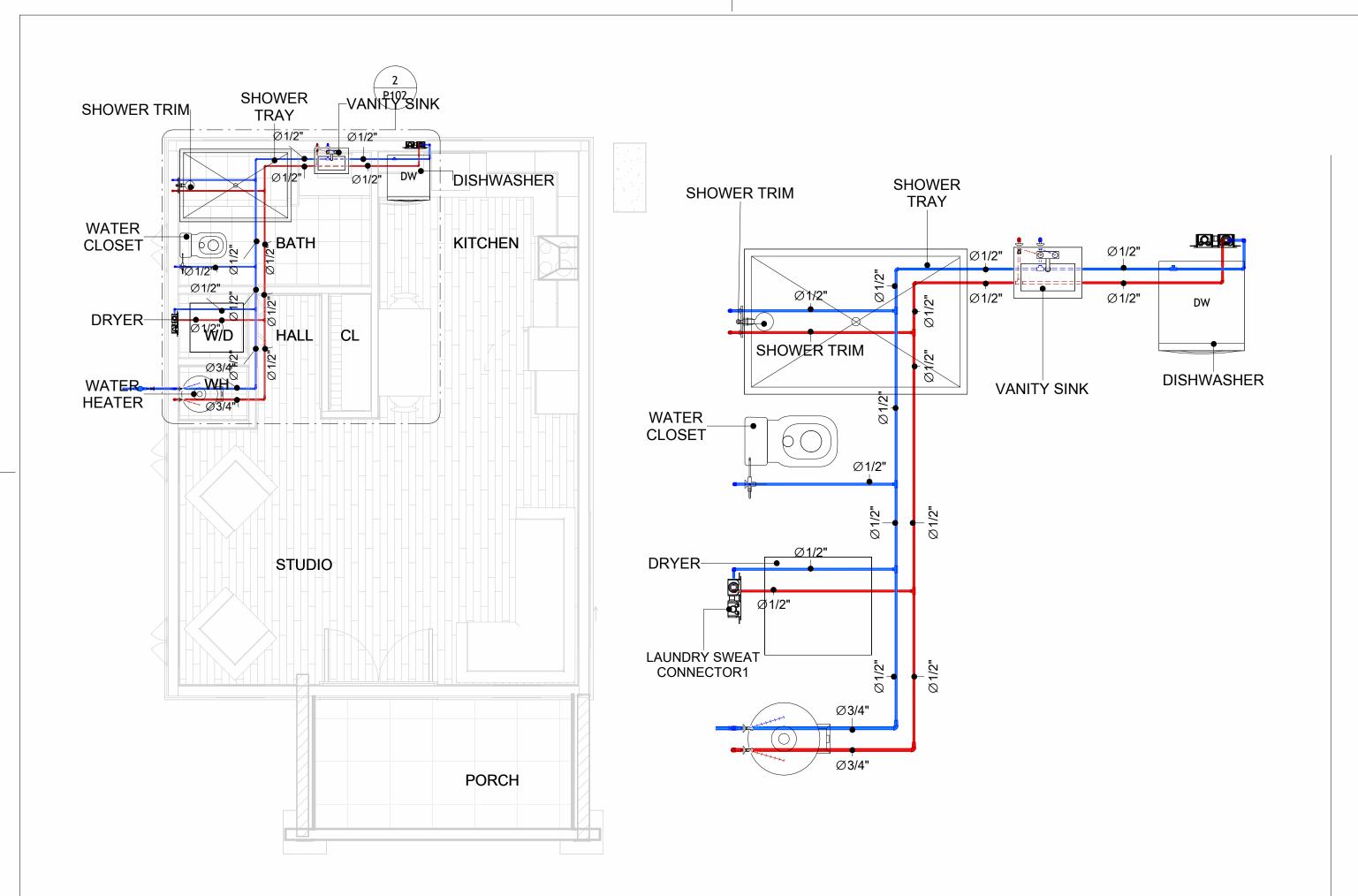
 DESIGNED BY:
 Designer

 DRAWN BY:
 Author

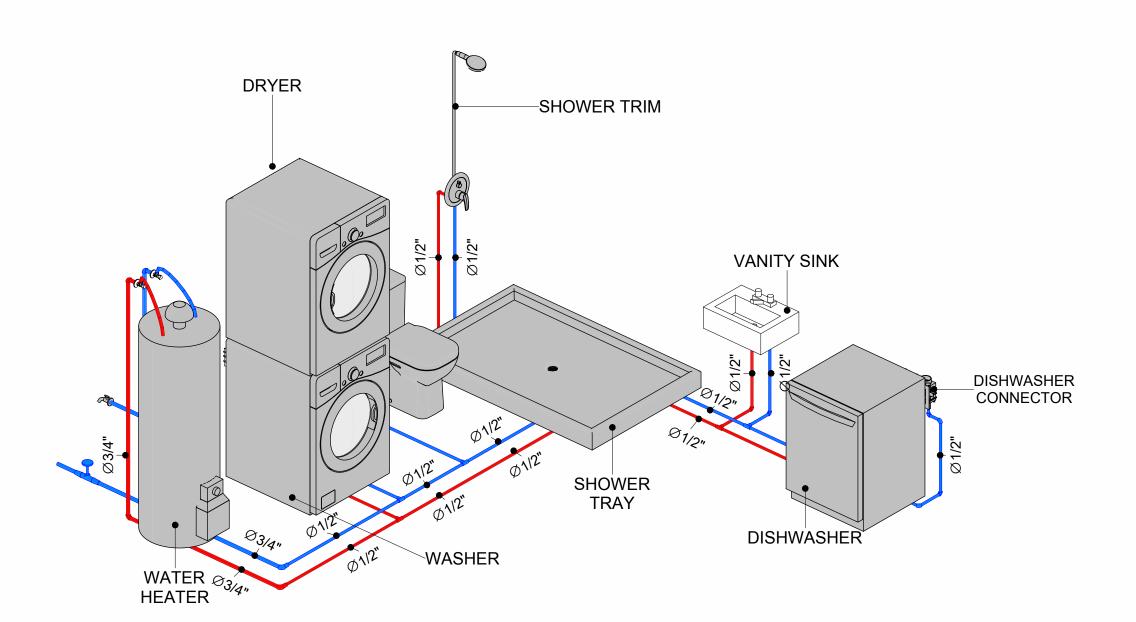
 CHECKED BY:
 Checker

P101

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

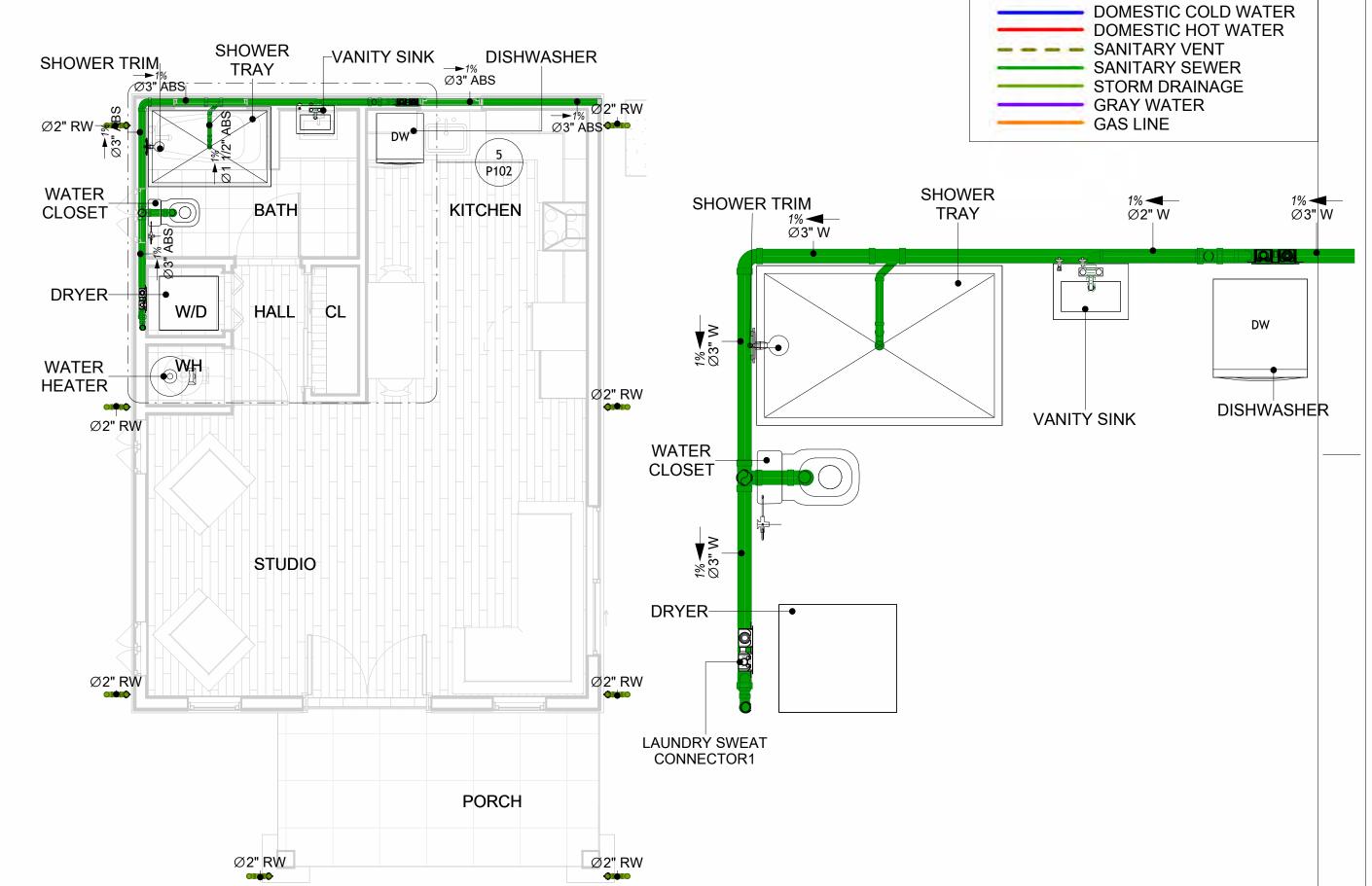


2 BATH+KITCHEN WATER SUPPLY
1/2" = 1'-0"



WATER SUPPLY RISER DIAGRAM

**OVERALL WATER SUPPLY** 



OVERALL SANITARY

1/4" = 1'-0"

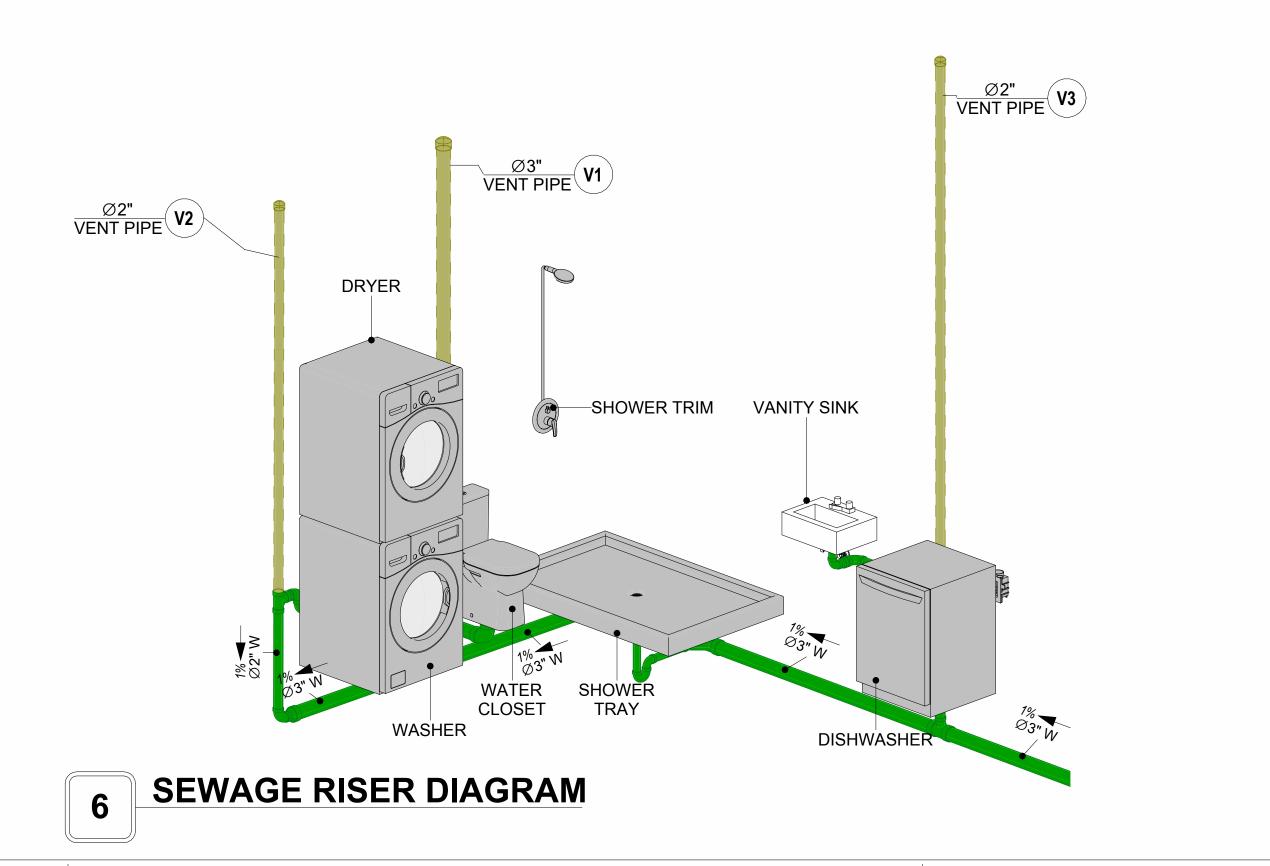
5

BAT

1/2" =

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

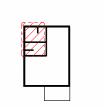
PIPE COLOR SCHEME



Frame Now

Tuscon,AZ, USA 888-864-0184

**KEY PLAN** 



NO.	DESCRIPTION	DATE
	•	•

NOTE:

LEGEND:

PROJECT

52-Hamilton-497-Studio Ranch-550

DRAWING NAME

WATER SUPPLY AND SEWAGE SYSTEM

CLIENT NAME:	
PROJECT NUMBER:	0168_11
DATE:	2/14/2025 3:29:55 PM
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker

P102

# 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!**

The material types listed in this document were selected based on personal preferences. The Customer is encouraged to make changes to the material types in accordance with local customs, regulations, and personal preferences.

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

#### Hamilton-Studio-Ranch





# Hamilton-Studio-Ranch MATERIAL SHOPPING LIST

#### **Have It Your Way!**

The material types listed in this document were selected based on personal preferences. The Customer is encouraged to make changes to the material types in accordance with local customs, regulations, and personal preferences. Have It Your Way!

#### TOC



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5	HVAC BOM	HVAC BOM	7
4	PLUMBING BOM	PLUMBING BOM	10
6	ARCHITECTURAL BOM	ARCHITECTURAL BOM	15

#### **Have It Your Way!**

The material types listed in this document were selected based on personal preferences. The Customer is encouraged to make changes to the material types in accordance with local customs, regulations, and personal preferences. Have It Your Way!

#### **GENERAL NOTES**

- 1 This BOM (Bill of Materials) is prepared as a Materials Shopping List to help builders and DIYers gain a complete understanding of most if not all elements required for the complete construction of this structure, according to the original design documents provided by FrameUpNow.
- 2 All quantities and specifications are subject to change based on the final design, field measurements, availability of products and customer preferences. The customer should verify all information prior to purchasing materials.
- 3 All products and elements in the list shall conform to the International Residential Code (IRC), or any other local and international building codes, safety regulations, and standards that are applicable to the location of the structure.
- 4 If any changes are made by the customer to the list of materials specified in this document, the customer is responsible for assuring that the correct type and quantity of materials are utilized in accordance with local building codes.
- FrameUpNow, will not be held responsible for any misuse of this document, the products listed, or for deviations from the content that are made due to changes in specifications, pricing, availability, or customer preferences.
- 6 The customer is advised to consult a qualified professional or technician prior to purchasing materials for specialized construction system items. Some items including but not limited to caseworks, doors and windows may require as built measurements prior to purchase to confirmation of final dimensions.
- 7 If there are additional trim elements or specific installation methods, the total amount of materials needed might vary. Consider any additional trim required for corners, intersections, or other architectural details that might cause this variations before procedding to purchase and construction.

#### **ARCHITECTURAL BOM**



	Hamilton-Studio-Ranch								
	ARCHITECTURAL MATERIAL SHOPPING LIST								
No.	Item	Type	Unit	Quantity	Unit Price	Total	Description		
Ω	APPLIANCES	, , , , , , , , , , , , , , , , , , , ,	<u> </u>				·		
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					
Δ	CASEWORKS		1	-					
1	Kitchen Cabinet		FT	19.19					
	Laundry Cabinet		FT	2.25					
3	Vanity Cabinet		FT	3.16					
4	Medicine Cabinet		PCS	1					
5	Kitchen countertop		SF	27.53					
	Laundry Countertop		PCS	0					
	Bathroom Countertop		SF	0					
8	Island	+	FT	0					
9	Peninsula	+	FT	0					
	Closets		SF	31					
	CEILING		JJI	31					
	Ceiling Board	Dry Wall	SF	411.77	1				
	Dry Wall Fastener	Screw	PCS	720.5975					
3	Vapor Retarder	Polyethylene film	SF	604.14					
		Nails with washer heads		1812.42					
	Vapor Retarder Fastener	Moisture resistant drywall	PCS						
	Ceiling Board (MRD)	Moisture resistant drywaii	SF	58.71					
	MRD Fastener		PCS	102.7425					
7	Ceiling Board	Marine Plywood	SF	133.66					
	Marine Plywood Fastener	Screw	PCS	233.905					
	Dry Wall Tape		FT	302.07					
	FLOORING		lor.	250.5					
	Main Living Space		SF	359.5					
2	Bathroom		SF	60.84					
	Porch		SF	88.88					
<u></u>	STRUCTURE		05	570.07					
1	Foundation		SF	578.37					
	WALLS EXTERIOR		1						
	Stocco Finish		SF	191					
	Exterior Wall Vertical Siding		SF	537					
	Exterior Wall Vertical Siding	Self-drilling screws(100/pkt)	PKT	5.37					
	Wall Homewrap		SF	728					
	Homewrap Fastener	Stapled fastener (200/pkt)	PKT	2.7664					
6	Furring Strip		PCS	67.125					
	Furring Strip Fastner	Self-drilling screws(100/pkt)	PKT	5.37					
8	Wall Shteathing (OSB)		SF	728					
9	Shteathing Fastener	Self-drilling screws(100/pkt)	PKT	7.28					
	Wall Paint		SF	728					
	Wall Insulation		FT	984					
	WALLS INTERIOR								
	Cementitious Backer Board		SF	449					
	Kerdi membrane		SF	449					
	Kerdi membrane Fastener		SF	449					
4	Wall Ceramic Tile		SF	449					
	Drywall Board		SF	909					
	Drywall Fastener	Self-drilling screws(100/pkt)	PKT	5.34					
	Wall Paint		SF	909					
	Drywall Tape		FT	170.8509305					
	Drywaii rape		FI	11/0.8009305					

#### **ARCHITECTURAL BOM**



$\cap$	DOORS				
1	Interior Swinging	2' - 8" X 6'-8"	PCS	1	
2	Exterior Swinging	5' - 0" X 6'-8"	PCS	1	
3	Interior Bifold	3' - 0" X 6'-8"	PCS	1	
4		4' - 8" X 6'-8"	PCS	1	
4	Interior Sliding	2' - 6" X 6'-8"	PCS	1	
2	Interior Swinging Exterior Door Trim	2 - 0 X 0 - 8	FT	·	
6				18.34	
1	Interior Door Trim		FT	150.74	
8	Entry Lock set		PCS	1	
9	Privacy Lock set		PCS	2	
10	Passage Lock set		PCS	2	
	WINDOWS				
1	Single Hung	2' - 3" X 4'-3"	PCS	2	
2	Single Hung	2' - 7" X 3'-1"	PCS	1	
3	Sliding	3' - 3" X 1'-9"	PCS	1	
4	Sliding	6' - 3" X 3'-9"	PCS	1	
5	Casement	2' - 3" X 2'-7"	PCS	3	
6	Exterior Window Trim		FT	67.2	
7	Interior Window Trim		FT	67.2	
	ROOF				
1	Roof Covering		SF	782	
2	Roof Covering Fastener		PCS	391	
3	Roof Felt Paper		SF	782	
4	Roof Felt Paper Fastener		PCS	2346	
5	Roof Sheathing		SF	782	
6	Roof Sheathing Fastener		PCS	6256	
7	Batten		FT	0	
8	Batten Fastener		PCS	0	
9	Soffit		SF	114	
10	Soffit Fastener		PCS	57	
	Fascia		FT	114	
	Fascia board fastener		PCS	57	
	Roof Insulation		SF	782	
_ 13	Troor insulation		51	1,02	



		Ham	nilton-Studi	o-Ranch					
	ELECTRICAL MATERIAL SHOPPING LIST								
No.	Item	Туре	Unit	Quantity	Unit Price	Total	Description		
	LIGHTING FIXTURES								
1	Kitchen Ceiling Light		PCS	4					
	Exterior Wall Mounted Light		PCS	2					
3	Livingroom Ceiling Light With Fan		PCS	1					
4	Kitchen Under Countertop Light		PCS	3					
	Dining Ceiling Light		PCS	0					
	Bath Wall Mounted Light		PCS	1					
	Bathroom Ceiling Light		PCS	2					
8	Livingroom Ceiling Light		PCS	4					
9	W/D Ceiling Light		PCS	2					
10	Hall & Entry Ceiling Light		PCS	1					
11	Closet Ceiling Light		PCS	1					
12	Smoke Detector		PCS	0					
Δ	ELECTRICAL FITTINGS								
13	Standard Receptacle 120V	20A	PCS	7					
14	GFCI Receptacle 120V	20 A	PCS	11					
15	GFCI Receptacle 240V	30 A	PCS	3					
16	GFCI Receptacle 240V	40 A	PCS	1					
17	GFCI Receptacle 240V	50 A	PCS	1					
18	Fan Switch		PCS	1					
19	Single Pole Switch		PCS	10					
	Three Way Switch		PCS	2					
21	Dimmer Switch		PCS	0					
Δ	<b>ELECTRICAL CONDUITS &amp; WIRING</b>	<u>'</u>	· ·						
22	ROMEX 14 AWG	14/2 w/ground	FT	0					
23	ROMEX 12 AWG	12/3 w/ground	FT	0					
24	ROMEX 12 AWG	12/2 w/ground	FT	284					
25	ROMEX 10 AWG	10/2 w/ground	FT	0					
26	ROMEX 10 AWG	10/3 w/ground	FT	92					
27	ROMEX 8 AWG	8/3 w/ground	FT	37					
28	ROMEX 6 AWG	6/3 w/ground	FT	0					
29	Bare Copper Ground Wire 6 AWG								
	ELECTRICAL BOXES & CIRCUTES								
30	Panelboard -240V 1 Phase MLO	200 AMP	PCS	1					
31	Circuit breaker	15 A	PCS	0					
32	Circuit breaker	20 A	PCS	8					
33	Circuit breaker	30 A	PCS	3					
34	Circuit breaker	40 A	PCS	1					
	Circuit breaker	50 A	PCS	0					
	Circuit breaker	60 A	PCS	0					
	Single Gang Switch Box		PCS	6					
	Double Gang Switch Box		PCS	1					
	Triple Gang Switch Box		PCS	1					
	Pull Box	#1/4	PCS	14					
	Receptacle Box		PCS	23					

#### **PLUMBING BOM**



	Hamilton-Studio-Ranch									
	PLUMBING SYSTEM MATERIAL SHOPPING LIST									
No.	Item	Туре	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	1						
6	Water Closet		PCS	2						
7	Shower Trim		PCS	2						
8	Shower Tray		PCS	2						
9	Water Heater		PCS	1						
10	Hose Bib		PCS	2						
11	Shutoff Valve		PCS	6						
12	Hanging pipe clamp		PCS	30						
13	Gate 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 1"	FT	0						
2	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 1 1/2"	FT	62						
3	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 2"	FT	191						
4	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 3"	FT	8						
5	PEX (Cross-linked polyethylene) Pipes	ø 1/2"	FT	90						
6	PEX (Cross-linked polyethylene) Pipes	ø 3/4"	FT	73						
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	63						
10	PVC Pipes Sch.80 - Rigid	ø 3"	FT	0						
11	Flex Pipe Round	ø 1/2"	PCS	8						

#### **PLUMBING BOM**



	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	2	
4	ABS P-Trap	1 1/2"ø-1 1/2"ø	PCS	1	
5	ABS P-Trap	2"ø-2"ø	PCS	2	
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	2"ø-2"ø-2"ø	PCS	1	
9	ABS TEE Elbow	3"ø-3"ø-3"ø	PCS	2	
10	ABS Tee Reducer Elbow	3"ø-3"ø-2"ø	PCS	1	
11	ABS Vent Cap Elbow	2"ø	PCS	2	
12	ABS Vent Cap Elbow	3"ø	PCS	1	
13	ABS Wye Combination with 8th Bend Elbow	3"ø-3"ø-1 1/2"ø	PCS	1	
14	PEX 90 Degree Elbow	1/2"ø-1/2"ø	PCS	22	
15	PEX 90 Degree Elbow	3/4"ø-3/4"ø	PCS	7	
16	PEX Tee Elbow	1/2"ø-1/2"ø-1/2"ø	PCS	8	
17	PEX Tee Elbow	3/4"ø-3/4"ø-3/4"ø	PCS	1	
18	PEX Transition Elbow	3/4"ø-1/2"ø	PCS	2	
19	PVC 90 Deg Bend Elbow	2"ø-2"ø	PCS	24	
20	WASTE DOUBLE TEE	2"ø-2"ø-2"ø	PCS	1	

## **HVAC BOM**



	Hamilton-Studio-Ranch								
	HVAC SYSTEM MATERIAL SHOPPING LIST								
No.	Item	Туре	Unit	Quantity	Unit Price	Total	Description		
	HVAC_DUCTS								
1	PIPE (REFRIGERANT LINE)	1/4" (Ø)		FT	1.9				
2	PIPE (REFRIGERANT LINE)	3/8" (Ø)		FT	23.63				
3	PIPE (REFRIGERANT LINE)	1/2" (Ø)		FT	2.01				
4	PIPE (REFRIGERANT LINE)	5/8''' (Ø)		FT	0.08				
5	PIPE (REFRIGERANT LINE)	3/4" (Ø)		FT	30.06				
6	DRAYER HOSE	4" (Ø)		FT	5.4				
7	FLEX DUCT ROUND	4" (Ø)		FT	5.67				
	DUCT FITTINGS & ACCESSORIES					•			
8	ELBOW (REFRIGERANT LINE)	1/2" (Ø)-1/2" (Ø)		PCS	1				
9	ELBOW (REFRIGERANT LINE)	3/4" (Ø)-3/4" (Ø)		PCS	7				
10	ELBOW (REFRIGERANT LINE)	3/8" (Ø)-3/8" (Ø)		PCS	6				
11	ELBOW (REFRIGERANT LINE)	5/8" (Ø)-5/8" (Ø)		PCS	1				
12	TRANSITION (REFRIGERANT	3/4" (Ø)-1/2" (Ø)		PCS	3				
13	TRANSITION (REFRIGERANT	3/4" (Ø)-5/8" (Ø)		PCS	1				
14	TRANSITION (REFRIGERANT	3/8" (Ø)-1/4" (Ø)		PCS	1				
	HVAC_EQUIPMENTS								
15	AIR HANDLING UNIT	WALL MOUNTED		PCS	1				
16	CONDENSER	OUTDOOR UNIT		PCS	1				
17	EXHAUST FAN	75 CFM		PCS	1				
18	EXHAUST HOOD	WALL MOUNTED		PCS	1				
19	HOOD-WALL: VENT	HOOD-WALL: VENT		PCS	1				
20	DRAYER: VENT	DRAYER: VENT		PCS	1				
21	ROOF VENT	3"(Ø)		PCS	1				



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#### **Have It Your Way!**

The material types listed in this document were selected based on personal preferences. The Customer is encouraged to make changes to the material types in accordance with local customs, regulations, and personal preferences. Have It Your Way!

#### **GENERAL NOTES**

- This BOM (Bill of Materials) is prepared as a Materials Shopping List to help builders and DIYers gain a complete understanding of most if not all elements required for the complete construction of this structure, according to the original design documents provided by FrameUpNow.
- 2 All quantities and specifications are subject to change based on the final design, field measurements, availability of products and customer preferences. The customer should verify all information prior to purchasing materials.
- 3 All products and elements in the list shall conform to the International Residential Code (IRC), or any other local and international building codes, safety regulations, and standards that are applicable to the location of the structure.
- 4 If any changes are made by the customer to the list of materials specified in this document, the customer is responsible for assuring that the correct type and quantity of materials are utilized in accordance with local building codes.
- 5 FrameUpNow, will not be held responsible for any misuse of this document, the products listed, or for deviations from the content that are made due to changes in specifications, pricing, availability, or customer preferences.
- 6 The customer is advised to consult a qualified professional or technician prior to purchasing materials for specialized construction system items. Some items including but not limited to caseworks, doors and windows may require as built measurements prior to purchase to confirmation of final dimensions.
- 7 If there are additional trim elements or specific installation methods, the total amount of materials needed might vary. Consider any additional trim required for corners, intersections, or other architectural details that might cause this variations before procedding to purchase and construction.



			LIGHTING FIXTURES				
#	Lighting	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Kitchen Ceiling Light			PCS	4		
2	Exterior Wall Mounted Light			PCS	2		
3	Livingroom Ceiling Light With Fan			PCS	1		
4	Kitchen Under Countertop Light			PCS	3		
5	Dining Ceiling Light			PCS	0		
6	Bath Wall Mounted Light			PCS	1		
7	Bathroom Ceiling Light			PCS	2		
8	Livingroom Ceiling Light			PCS	4		
9	W/D Ceiling Light			PCS	2		
10	Hall & Entry Ceiling Light			PCS	1		
11	Closet Ceiling Light			PCS	1		
12	Smoke Detector			PCS	0		
13							
14							
15							



			ELECTRICAL FITTINGS				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Standard Receptacle 120V	20A		PCS	7		
2	GFCI Receptacle 120V	20 A		PCS	11		
3	GFCI Receptacle 240V	30 A		PCS	3		
4	GFCI Receptacle 240V	40 A		PCS	1		
5	GFCI Receptacle 240V	60 A		PCS	0		
6	Fan Switch			PCS	1		
7	Single Pole Switch			PCS	10		
8	Three Way Switch			PCS	2		
9	Dimmer Switch			PCS	0		
10							
11							
12							
13							
14							
15							



		E	LECTRICAL CONDUITS & WIRING				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	ROMEX 14 AWG	14/2/W/ground		FT	0		
2	ROMEX 12 AWG	12/2/W/ground		FT	284		
3	ROMEX 12 AWG	12/3/W/ground		FT	0		
4	ROMEX 10 AWG	10/3/W/ground		FT	92		
5		8/3/W/ground		FT	37		
6		6/3/W/ground		FT	0		
7	Bare Copper Ground Wire 6 AWG			FT			
8							
9							
10							
11							
12							
13							
14							
15							



			ELECTRICAL BOXES & CIRCUTE	S			
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Panelboard -240V 1 Phase MLO	200 AMP		PCS	1		
2	Circuit breaker	15 A		PCS	C		
3	Circuit breaker	20 A		PCS	8		
4	Circuit breaker	30 A		PCS	3		
5	Circuit breaker	40 A		PCS	1		
6	Circuit breaker	50 A		PCS	1		
7	Single Gang Switch Box			PCS	6		
3	Double Gang Switch Box			PCS	1		
)	Triple Gang Switch Box			PCS	1		
10	Pull Box	#1/4		PCS	14		
11	Receptacle Box			PCS	23		
12							
13							
14							
15							

## **HVAC BOM**



			HVAC_DUCTS 01				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	PIPE (REFRIGERANT LINE)	1/4" (Ø)		FT	1.9		
2	PIPE (REFRIGERANT LINE)	3/8" (Ø)		FT	23.63		
3	PIPE (REFRIGERANT LINE)	1/2" (Ø)		FT	2.01		
4	PIPE (REFRIGERANT LINE)	5/8''' (Ø)		FT	0.08		
5	PIPE (REFRIGERANT LINE)	3/4" (Ø)		FT	30.06		
6	DRAYER HOSE	4" (Ø)		FT	5.4		
7	FLEX DUCT ROUND	4" (Ø)		FT	5.67		

## **HVAC BOM**



			<b>DUCT FITTINGS &amp; ACCESSORIES</b>				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	ELBOW (REFRIGERANT LINE)	1/2" (Ø)-1/2" (Ø)		PCS	1		
2	ELBOW (REFRIGERANT LINE)	3/4" (Ø)-3/4" (Ø)		PCS	7		
3	ELBOW (REFRIGERANT LINE)	3/8" (Ø)-3/8" (Ø)		PCS	6		
4	ELBOW (REFRIGERANT LINE)	5/8" (Ø)-5/8" (Ø)		PCS	1		
5	TRANSITION (REFRIGERANT LINE)	3/4" (Ø)-1/2" (Ø)		PCS	3		
6	TRANSITION (REFRIGERANT LINE)	3/4" (Ø)-5/8" (Ø)		PCS	1		
7	TRANSITION (REFRIGERANT LINE)	3/8" (Ø)-1/4" (Ø)		PCS	1		
8							
9							
10							
11							
12							

# **HVAC BOM**



			HVAC_EQUIPMENTS				
#	Item	Туре	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		
1	EXHAUST HOOD	WALL MOUNTED		PCS	1		
5	HOOD-WALL: VENT	HOOD-WALL: VENT		PCS	1		
5	DRAYER: VENT	DRAYER: VENT		PCS	1		
7	ROOF VENT	3"(Ø)		PCS	1		



		PLUMBII	NG FIXTURES & ACCESSORIES				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Bath Tub (Alcove Tub)			PCS	0		
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	16		
13	Gate Valve			PCS	1		
14	Dishwasher Supply Single Connector			PCS	1		
15	Dishwasher Sewage Single Connector			PCS	1		
16	Laundry Sweat Connector			PCS	1		



		SANI	TARY & PLUMBING PIPES				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 1"		FT	0		
2	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 1 1/2"		FT	3		
3	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 2"		FT	28		
4	ABS (Acrylonitrile Butadiene Styrene) Pipes	ø 3"		FT	36		
5	PEX (Cross-linked polyethylene) Pipes	ø 1/2"		FT	76		
6	PEX (Cross-linked polyethylene) Pipes	ø 3/4"		FT	22		
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	63		
10	PVC Pipes Sch.80 - Rigid	ø 3"		FT	0		
11	Flex Pipe Round	ø 1/2"		PCS	8		
12							
13							
14							
15							



		P	IPE FITTINGS 01				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	ABS 90 Degree Bend Elbow	1 1/2"ø-1 1/2"ø		PCS	1		
	ABS 90 Degree Bend Elbow	2"ø-2"ø		PCS	2		
	ABS 90 Degree Bend Elbow	3"ø-3"ø		PCS	2		
	ABS P-Trap	1 1/2"ø-1 1/2"ø		PCS	1		
	ABS P-Trap	2"ø-2"ø		PCS	2		
)	ABS Reducer Elbow	2"ø-1 1/2"ø		PCS	1		
1	ABS Reducer Elbow	3"ø-2"ø		PCS	1		
}	ABS TEE Elbow	2"ø-2"ø-2"ø		PCS	1		
	ABS TEE Elbow	3"ø-3"ø-3"ø		PCS	2		
0	ABS Tee Reducer Elbow	3"ø-3"ø-2"ø		PCS	1		
1	ABS Vent Cap Elbow	2"Ø		PCS	2		
2	ABS Vent Cap Elbow	3"Ø		PCS	1		
3	ABS Wye Combination with 8th Bend Elbow	3"ø-3"ø-1 1/2"ø		PCS	1		
4	PEX 90 Degree Elbow	1/2"ø-1/2"ø		PCS	22		
5	PEX 90 Degree Elbow	3/4"ø-3/4"ø		PCS	7		



		PI	PE FITTINGS 02				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	PEX Tee Elbow	1/2"ø-1/2"ø-1/2"ø		PCS	8		
<u>)</u>	PEX Tee Elbow	3/4"ø-3/4"ø-3/4"ø		PCS	1		
}	PEX Transition Elbow	3/4"ø-1/2"ø		PCS	2		
1	PVC 90 Deg Bend Elbow	2"Ø-2"Ø		PCS	24		
5	WASTE DOUBLE TEE	2"Ø-2"Ø-2"Ø		PCS	1		
5							
7							
3							
)							
10							
11							
12							
13							
14							
5							



			APPLIANCES				
#	Item	Туре	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	(		
7	Microwave			PCS	(		
8							
9							
10							
11							
12							
13							
14							
15							
16							



			CASEWORKS 01				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
1	Kitchen Cabinet			FT	19.19		
2	Laundry Cabinet			FT	2.25		
3	Vanity Cabinet			FT	3.16		
4	Medicine Cabinet			PCS	1		
5	Kitchen countertop			SF	27.53		
6	Laundry Countertop			PCS	0		
7	Bathroom Countertop			SF	0		
8	Island			FT	0		
9	Peninsula			FT	0		
10	Closets			SF	31		
11							
12							
13							
14							
15							



			CEILING 01			
#	item	Туре	Description, Manufacturer, SKU	Unit	Quantity Unit Price	Total
	STUDIO + KITCHEN			SF	361.4	
1	Ceiling Board	Drywall		SF	361	
2	Drywall Fastener	Screw		PCS	632	
3	Vapor Retarder	Polyethylene film		SF	361	
4	Vapor Retarder Fastener	Nails with washer heads		PCS	1084	
	BATH ROOM			SF	59	
5	Ceiling Board	MRD (Moisture resistant drywall)		SF	59	
6	MRD Fastener	Screw		PCS	103	
	HALL			SF	18.6	
7	Ceiling Board	Drywall		SF	19	
8	Drywall Fastener	Screw		PCS	32	
9	Vapor Retarder	Polyethylene film		SF	19	
10	Vapor Retarder Fastener	Nails with washer heads		PCS	56	
	PATIO			SF	133.7	
11	Ceiling Board	Marine Plywood		SF	134	
12	Exterior Grade Plywood	Screw		PCS	234	



			CEILING 02				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	WH			SF	9.0		
13	Ceiling Board	Drywall		SF	9		
14	Drywall Fastener	Screw		PCS	16		
15	Vapor Retarder	Polyethylene film		SF	9		
16	Vapor Retarder Fastener	Nails with washer heads		PCS	27		
	CLOSET			SF	12.5		
17	Ceiling Board	Drywall		SF	12		
18	Drywall Fastener	Screw		PCS	22		
19	Vapor Retarder	Polyethylene film		SF	12		
20	Vapor Retarder Fastener	Nails with washer heads		PCS	37		
	W/D			SF	10.4		
21	Ceiling Board	Drywall		SF	10		
22	Drywall Fastener	Screw		PCS	18		
23	Vapor Retarder	Polyethylene film		SF	10		
24	Vapor Retarder Fastener	Nails with washer heads		PCS	31.2		



			FLOORING INTERIOR 01				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	CLOSET #1						
1	Closet Area Flooring			SF	10.8		
2	Wood underlay	Foam Pad Polyethylene		SF	10.8		
3	Vapor Retarder	Vapor Barrier Polyethylene		SF	10.8		



			FLOORING INTERIOR 02				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	STUDIO						
4	living Area Flooring			SF	359.5		
5	Wood underlay	Foam Pad Polyethylene		SF	359.5		
6	Vapor Retarder	Vapor Barrier Polyethylene		SF	359.5		



			FLOORING INTERIOR 03				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity U	Jnit Price	Total
	BATHROOM #1						
7	Tile Finish			SF	42		
8	Adhesive	1/2" Thin set Mortar		SF	42		
9	Vapor Retarder	Vapor Barrier Polyethylene		SF	42.5		
	W/D	-					
10	Tile Finish			SF	10		
11	Adhesive	1/2" Thin set Mortar		SF	9.9		
12	Vapor Retarder	Vapor Barrier Polyethylene		SF	10		
	BOILER ROOM 1						
13	Tile Finish			SF	8.5		
14	Adhesive	1/2" Thin set Mortar		SF	9		
15	Vapor Retarder	Vapor Barrier Polyethylene		SF	9		



			FLOORING EXTERIOR			
#	item	Туре	Description, Manufacturer, SKU	Unit	Quantity Unit Price	
	STRUCTURE			SF	578.4	
16	Concrete Slab	4"concrete cast in situ		CF	198.81	
17	Slabedge	Turndown		CF	162.22	
18	Insulation	Rigid insulation		SF	195.45	
19	Hard core	Compacted soil		CF	144.34	
20	Re-bar	#4 re-bar		Ton	1.14	
21	Concrete Pad	4"concrete cast in situ		CF	1.58	
22	Footing	Cast-in-place concrete		CF	12	
	PORCH					
23	Tile Finish			SF	88.88	
24	Adhesive	1/2" Thin set Mortar		SF	88.88	
25	Vapor Retarder	Vapor Barrier Polyethylene		SF	88.88	



		WALLS: EXTERIOR						
	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total	
1	Stocco Finish			SF	191			
2	Exterior Wall Vertical Siding			SF	537			
3	Exterior Wall Vertical Siding Fastner	Self-drilling screws(100/pkt)		PKT	5.37			
4	Wall Homewrap			SF	728			
5	Homewrap Fastener	Stapled fastener (200/pkt)		PKT	2.76			
6	Furring Strip			PCS	67.13			
7	Furring Strip Fastner	Self-drilling screws(100/pkt)		PKT	5.37			
8	Wall Shteathing (OSB)			SF	728			
9	Shteathing Fastener	Self-drilling screws(100/pkt)		PKT	7.28			
10	Wall Paint			SF	728			
11	Wall Insulation			FT	984			



	WALLS: INTERIOR 01							
#	item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total	
	ВАТН			SF	54.0			
1	Cementitious Backer Board			SF	330			
2	Kerdi membrane			SF	330			
3	Kerdi membrane Fastener			SF	330			
4	Wall Ceramic Tile			SF	330			
	HALL			SF	19.0			
5	Drywall Board			SF	69			
6	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	0.69			
7	Wall Paint			SF	69			
8	Drywall Tape			FT	12.93			
	CL	:		SF	13.0			
9	Drywall Board			SF	143			
10	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	1.43			
11	Wall Paint			SF	143			
12	Drywall Tape			FT	26.8			



			WALLS: INTERIOR 02				
#	item	Туре	Description, Manufacturer, SKU	Unit	Quantity Ur	nit Price	Total
	STUDIO			SF	226.0		
13	Drywall Board			SF	387		
14	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	3.87		
15	Wall Paint			SF	387		
16	Drywall Tape			FT	72.6		
	KITCHEN			SF	111.0		
17	Cementitious Backer Board			SF	28		
18	Drywall Board			SF	232		
19	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	2.32		
20	Kerdi membrane			SF	28		
21	Kerdi membrane Fastener			SF	28		
22	Wall Ceramic Tile			SF	28		
23	Wall Paint			SF	232		
24	Drywall Tape			FT	43.8		



			WALLS: INTERIOR 03				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total
	WD			SF	10.0		
25	Cementitious Backer Board			SF	91		
26	Kerdi membrane			SF	91		
27	Kerdi membrane Fastener			SF	91		
28	Wall Ceramic Tile			SF	91		
	WH			SF	9.0		
29	Drywall Board			SF	78		
30	Drywall Fastener	Self-drilling screws(100/pkt)		PKT	0.78		
31	Wall Paint			SF	78		
32	Drywall Tape			FT	14.71		
1	Wall Sweep			FT	104		



			DOORS			
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity Unit Price	Total
1	Interior Swinging	2' - 8" X 6'-8"		PCS	1	
2	Exterior Swinging	5' - 0" X 6'-8"		PCS	1	
3	Interior Bifold	3' - 0" X 6'-8"		PCS	1	
4	Interior Sliding	4' - 8" X 6'-8"		PCS	1	
5	Interior Swinging	2' - 6" X 6'-8"		PCS	1	
6	Exterior Door Trim			FT	18.34	
7	Interior Door Trim			FT	150.74	
8	Entry Lock set			PCS	1	
9	Privacy Lock set			PCS	2	
10	Passage Lock set			PCS	2	
11						
12						
13						
14						
15						



			WINDOWS				
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity l	Jnit Price	Total
1	Single Hung	2' - 3" X 4'-3"		PCS	2		
2	Single Hung	2' - 7" X 3'-1"		PCS	1		
3	Sliding	3' - 3" X 1'-9"		PCS	1		
4	Sliding	6' - 3" X 3'-9"		PCS	1		
5	Casement	2' - 3" X 2'-7"		PCS	3		
6	Exterior Window Trim			FT	67.2		
7	Interior Window Trim			FT	67.2		
8							
9							
10							
11							
12							
13							
14							
15							



		ROOF 01						
#	Item	Туре	Description, Manufacturer, SKU	Unit	Quantity	Unit Price	Total	
1	Roof Covering			SF	782.0			
2	Roof Covering Fastener			PCS	391			
3	Roof Felt Paper			SF	782.0			
4	Roof Felt Paper Fastener			PCS	2346.0			
5	Roof Sheathing			SF	782.0			
6	Roof Sheathing Fastener			PCS	6256			
7	Batten			FT	0.0			
8	Batten Fastener			PCS	0.0			
9	Soffit			SF	114.0			
10	Soffit Fastener			PCS	57.0			
11	Fascia			FT	114.0			
12	Fascia board fastener			PCS	57			
13	Roof Insulation			SF	782.0			
14					. 32.10			
15								