

Custom Home Residence



ABBREVIATIONS

@	AT
A.B.	ANCHOR BOLT
ABV	ABOVE
AFF	ABOVE FINISH FLOOR
AL	ALUMINUM
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLW	BELOW
C	CHANNEL
CAB	CABINET
CH	CEILING HEIGHT
CL	CENTER LINE
CLG	CEILING
CMP	CORRUGATED METAL PIPE
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
DBL	DOUBLE
DF	DOUG FIR
DIA	DIAMETER
EA	EACH
ELEC	ELECTRICAL
ELEV	ELEVATION
EW	EACH WAY
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FTG	FOOTING
FS	FINISH
GA	GAUGE
GI	GALVANIZED IRON
GWB	GYPSPUM WALLBOARD
HOR	HORIZONTAL
HM	HOLLOW METAL
HR	HOUR
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
INSUL	INSULATION
JST	JOIST
LAV	LAVATORY
MAT'L	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
#	NUMBER
NO	NUMBER
NOMI	NOMINAL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPCI	OWNER PROVIDED CONTRACTOR INSTALLED
OPNG	OPENING
OSB	ORIENTED STRANDBOARD SHEETING
PIC	PICTURE WINDOW
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
REINF	REINFORCEMENT
REQ'D	REQUIRED
RS	ROUGH SAWN
SC	SOLID CORE
SGL	SINGLE
SH	SINGLE HUNG WINDOW
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SLD	SLIDER WINDOW
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STG	STORAGE
TOB	TOP OF BEAM
TOC	TOP OF COLUMN
TOP	TOP OF FOOTING
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VER	VERTICAL
W/	WITH
WD	WOOD
WWF	WELDED WIRE FABRIC

SYMBOL KEY

	DOOR MARKER		REVISION MARKER		CONCRETE
	WINDOW MARKER		ELEVATION MARKER		RIGID INSULATION
	WALL TYPE INDICATOR		NORTH INDICATOR		METAL
	INTERIOR ELEVATION MARKER		SLOPE INDICATOR		EARTH OR SOIL
	SECTION MARKER		BREAK LINE		WOOD GRAIN
	DETAIL MARKER		CENTER LINE		PLYWOOD OR OSB SHEATHING
	EXTERIOR ELEVATION MARKER		GENERAL ANNOTATION		BATT INSULATION
	KEYNOTES		OBJECT ID MARKER		CONTINUOUS MEMBER
			DETAIL NUMBER		BLOCKING
			SHEET NUMBER		

AREA CALCULATIONS

Living Area	
Living Area 1st Floor:	1893 SF
Garage:	780 SF
Covered Entry	128 SF
Back Patio	268 SF

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A5.01	ELEVATIONS
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E0.01	ELECTRICAL PLAN 1st FLOOR

APPLICABLE CODES & STANDARDS

Residence to be constructed under the following codes as adopted by the City of Mesquite:

- IRC 2015
- IBC 2015
- NEC 2014
- IPC 2015
- IMC 2015
- IECC (Residential) 2015

RESIDENCE FOR:

Lot 41 Villa la Paz
605 Greens Way
Mesquite, NV

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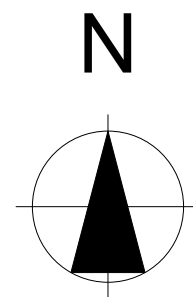
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COVER

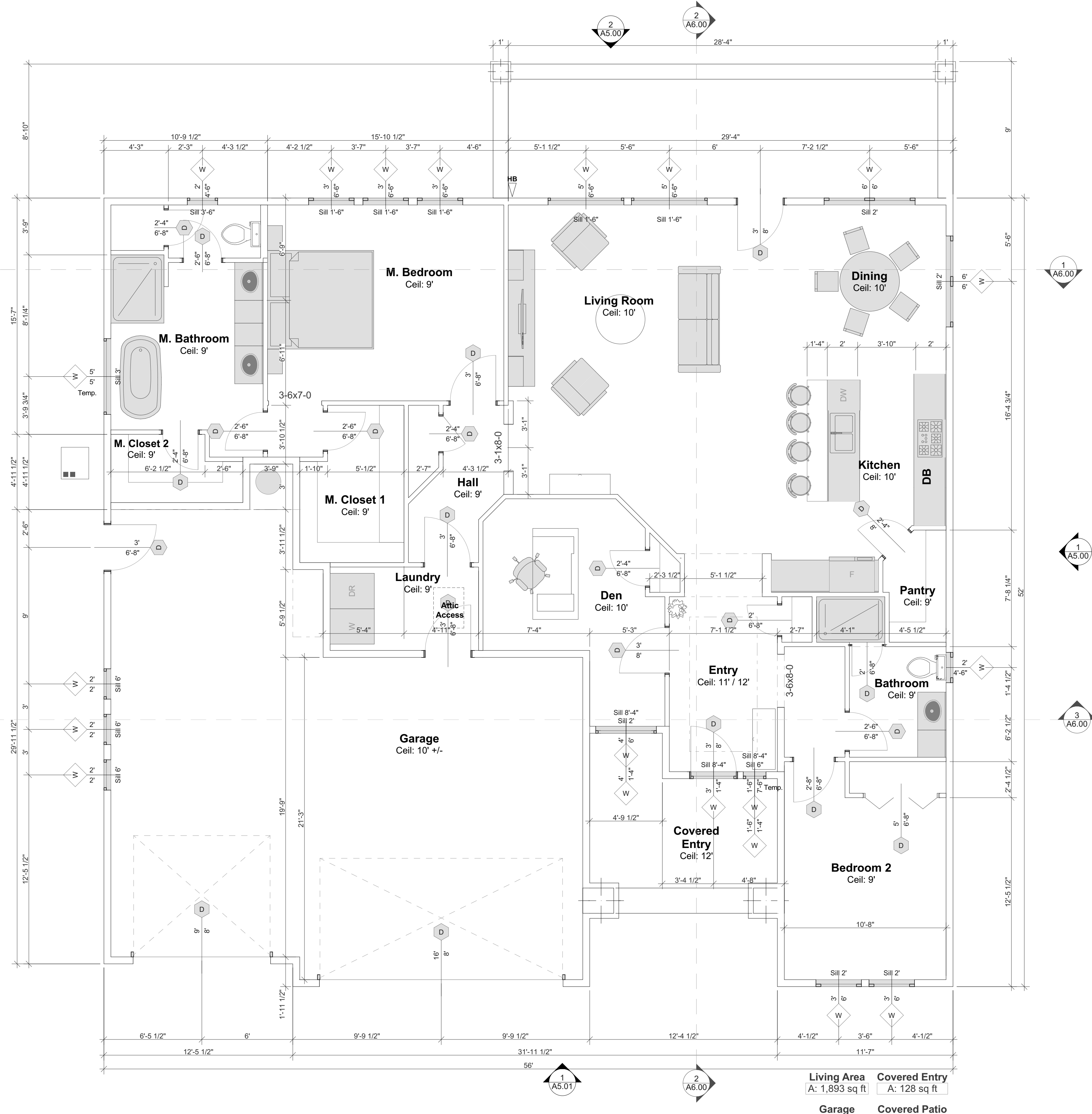
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Living Area	Covered Entry
A: 1,893 sq ft	A: 128 sq ft
Garage	Covered Patio
A: 780 sq ft	A: 268 sq ft

1

1st Floor Plan

1/4" = 1'-0"

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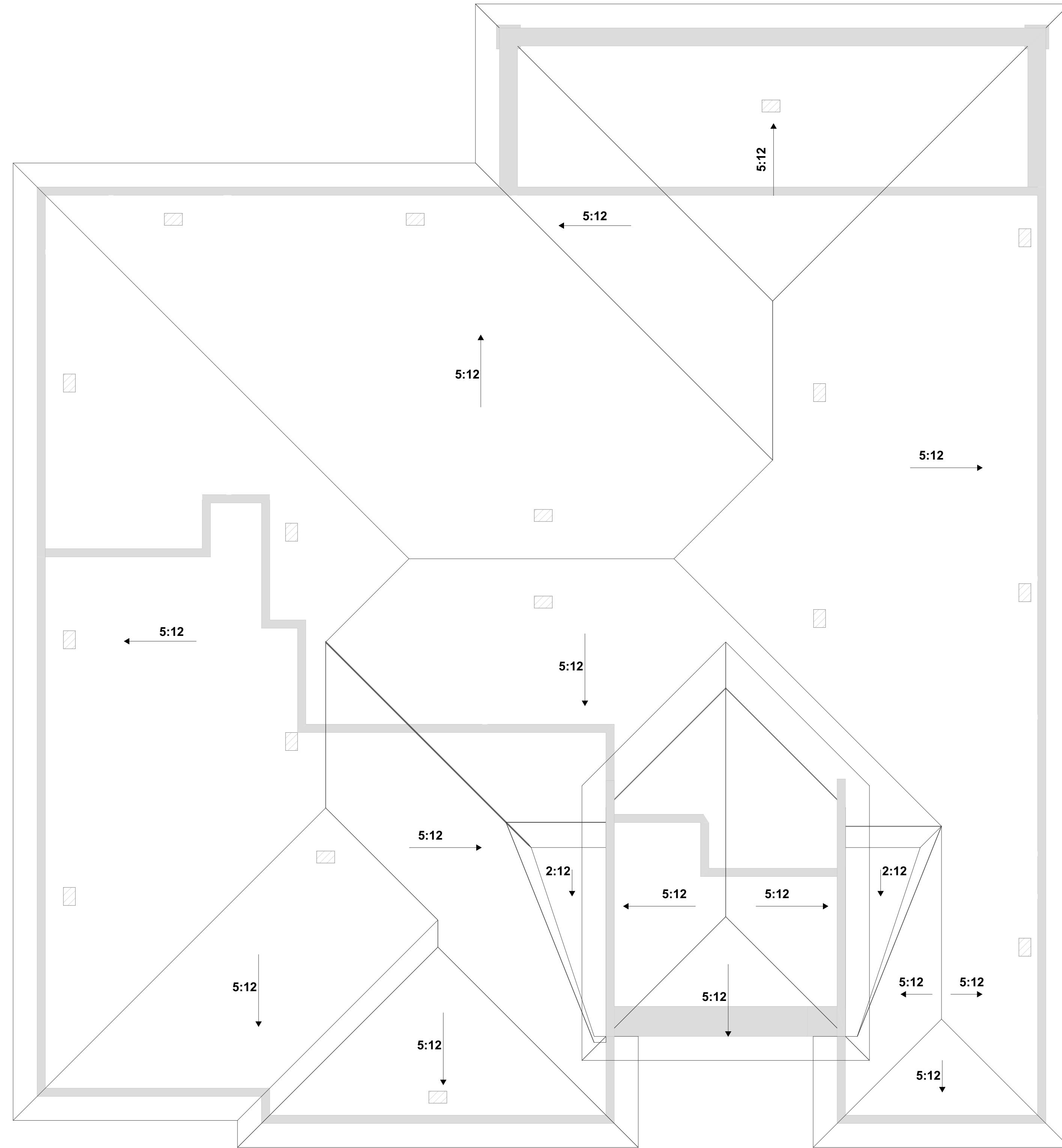
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**1ST FLOOR
 PLAN**

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Attic Ventilation

3050 SF/300 = 10.2 SF*144 = 1,464 Sq. In.
Provide O'hagin Vents at high and low locations

O'Hagin vents = 86.25 sq ft
Total vents required = 17

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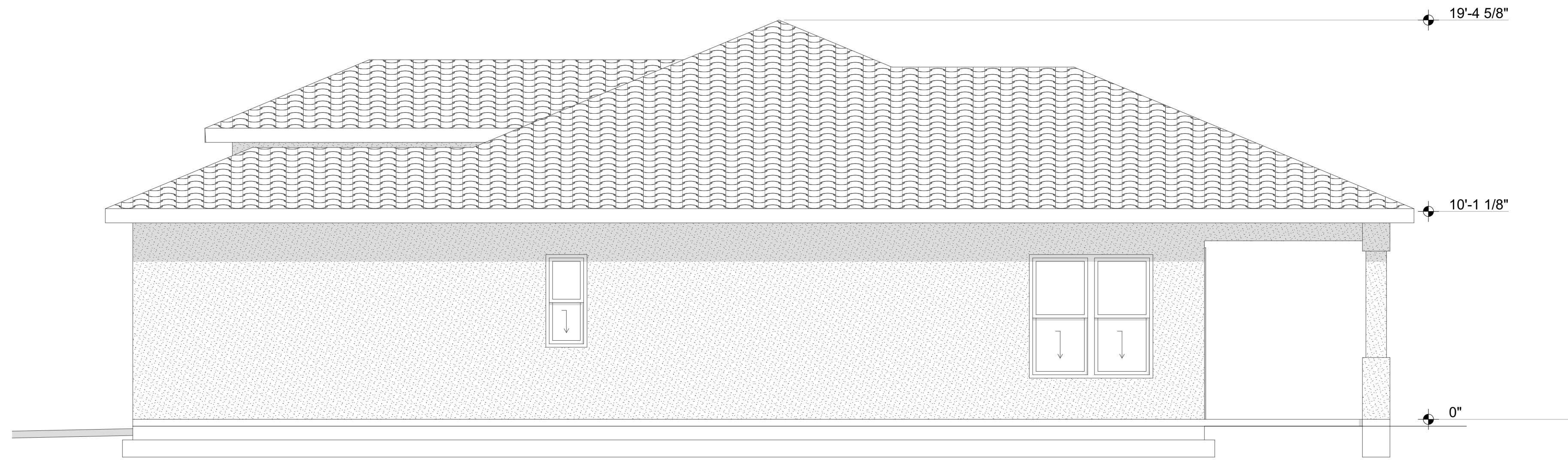
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ROOF PLAN

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1

East Elevation

1/4" = 1'-0"



2

North Elevation

1/4" = 1'-0"

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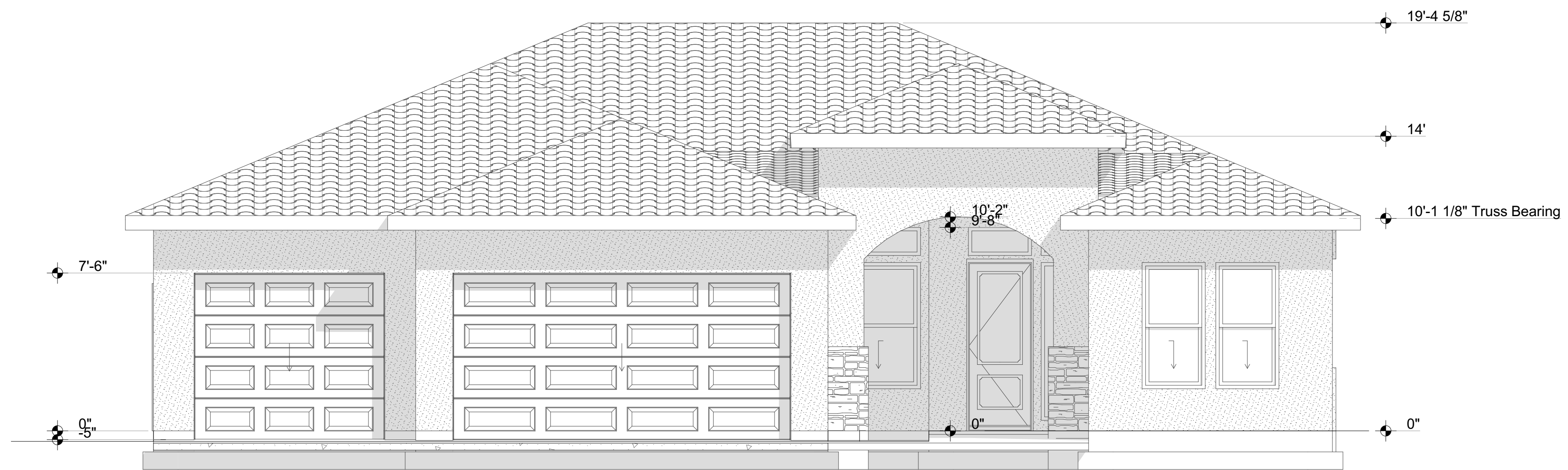
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ELEVATIONS

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1

South Elevation

1/4" = 1'-0"



2

West Elevation

1/4" = 1'-0"

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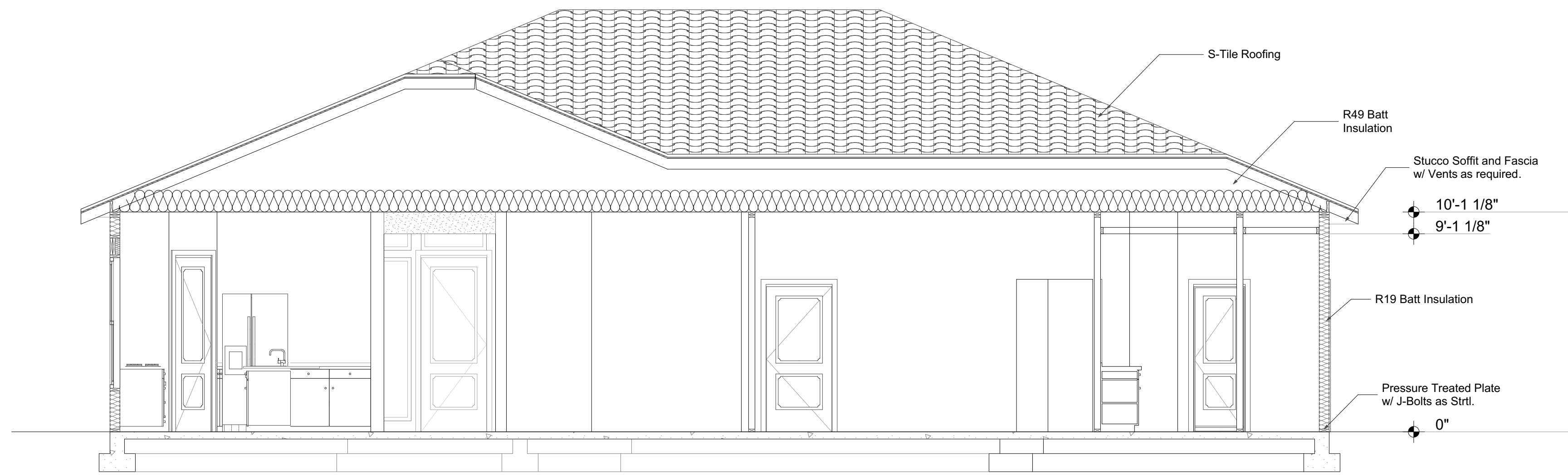
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ELEVATIONS

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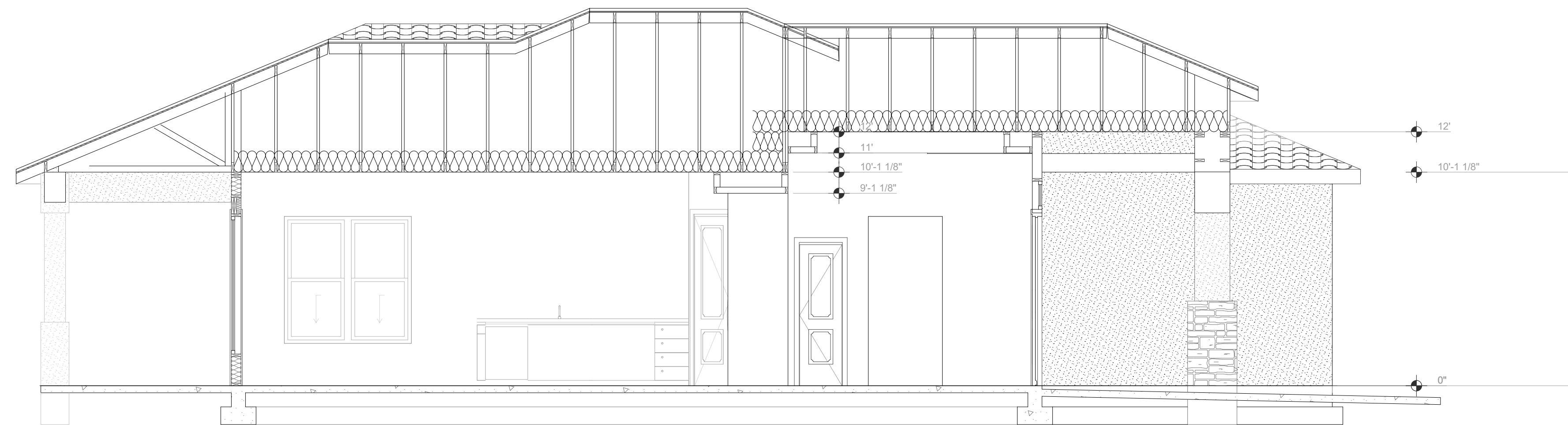
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1

Section 1

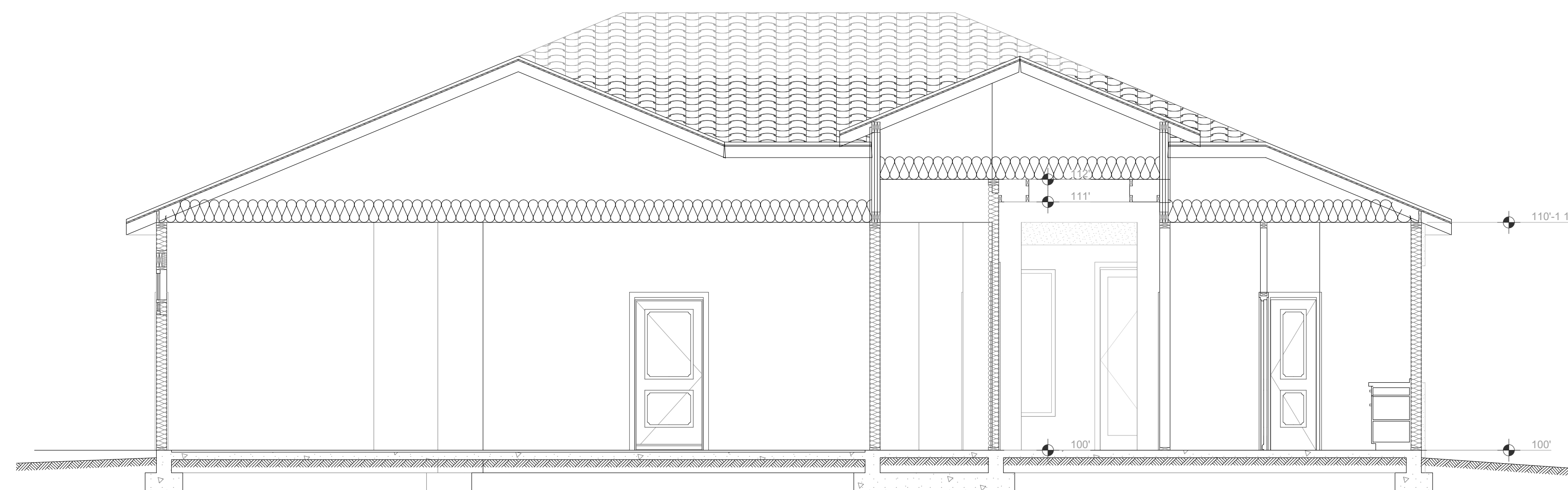
1/4" = 1'-0"



2

Section 2

1/4" = 1'-0"



3

Section 3

1/4" = 1'-0"

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**BUILDING
SECTION 1**

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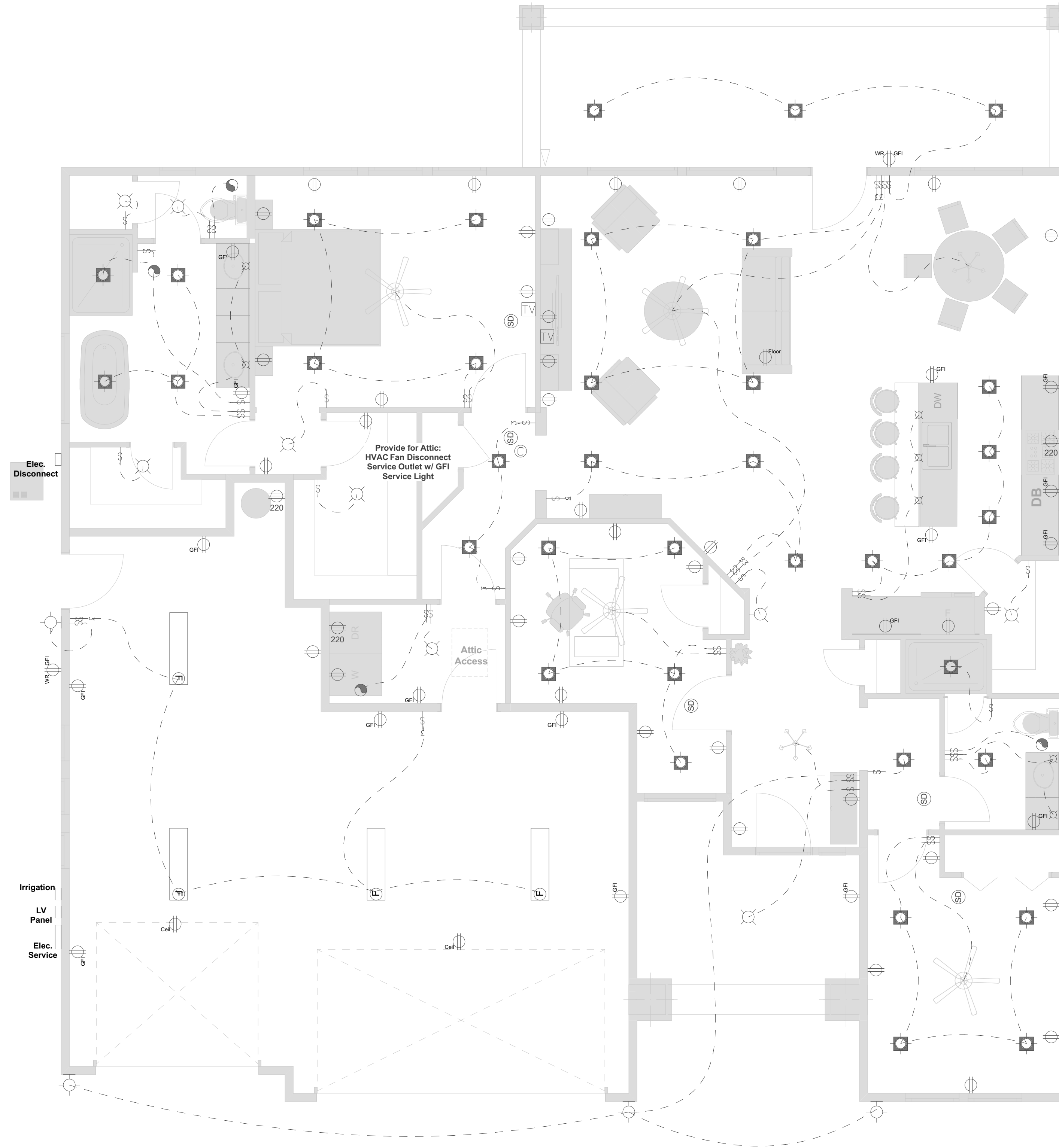
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Notes:

1. All fans are to be wired for light kit.
2. All fans are to be controlled separately.
3. Coordinate prewire for TV, Stereo, Telephone, and Security System with owner.

ELECTRICAL:

1. ALL ELECTRICAL TO CONFORM TO THE LATEST ADOPTED REVISIONS OF THE NATIONAL ELECTRIC CODE
2. SMOKE DETECTORS REQUIRED AT EACH BEDROOM, AT HALLWAYS LEADING TO BEDROOMS, AT EVERY FLOOR LEVEL, AND AT TOP OF STAIRWAYS. SMOKE DETECTORS SHALL BE HARD WIRED TOGETHER IN SERIES WITH BATTERY BACKUP, ON DEDICATED CIRCUIT.
3. CARBON MONOXIDE DETECTORS REQUIRED AT EACH FLOOR LEVEL
4. GFCI PROTECTION OF OUTLETS REQUIRED IN BATHROOMS, GARAGES (UP MIN. 18" OFF FLOOR), LAUNDRY AREAS, AND KITCHEN COUNTER OUTLETS. WEATHER PROTECTED GFCI OUTLETS TO BE PROVIDED AT EXTERIOR LOCATIONS.
5. SPACING FOR ELECTRICAL OUTLETS AT KITCHEN COUNTER, BARS, AND ISLANDS TO BE 4' O.C. MAX.
6. PROVIDE INDIVIDUAL CIRCUITS FOR REFRIGERATORS, MICROWAVE OVENS, DISHWASHER, TRASH COMPACTORS, JETTED TUBS.
7. APPROVED OUTLET BOXES TO BE USED AT CEILING FROM LOCATIONS
8. PROVIDE ARC FAULT OUTLETS THROUGHOUT WITH EXCEPTION TO GFCI AND DEDICATED OUTLETS
9. ALL TEMP. WIRING SHALL CONFORM TO NEC ARTICLE 305
10. LIGHTS IN CLOSETS SHALL CONFORM TO CLEARANCES SPECIFIED IN NEC 410-8 MAINTAINING 12" CLEARANCE
11. ALL GENERAL USE OUTLET CIRCUITS ARE TO BE RESTRICTED TO 12 OUTLETS PER INDIVIDUAL CIRCUIT. USE #12 WIRES FOR GENERAL OUTLET CIRCUITS.
12. SEASONAL LIGHTING CIRCUITS TO BE INSTALLED INTO THE EAVE OF THE HOME. COORDINATE WITH OWNER FOR LOCATION AND QUANTITY. OUTLETS TO BE WEATHER PROTECTED GFCI PROTECTED.
13. SERVICE LIGHTING TO BE INSTALLED WITH ACCESSIBLE SWITCHING AT ATTIC ACCESS LOCATIONS.
14. PROVIDE GFCI PROTECTED SERVICE OUTLET (120 VOLT) WITHIN 25 FT. OF HEATING AND AIR CONDITIONING.



Electrical Symbols Key

- 110 / 120 Volt Outlet
- 110 / 120 Volt Outlet - Ground Fault Protected
- 110 / 120 Volt Outlet - Ground Fault Protected/Weather Proof
- 110 / 120 Volt Outlet - Ground Fault Protected/Min. 18" Above Floor
- 220 Volt Outlet
- Electrical Switch
- 3-Way Electrical Switch
- 4-Way (Chained) Switch
- Wall Sconce Light Fixture
- Wall Surface Light Fixture
- Ceiling Surface Light Fixture
- Exterior Surface Light Fixture
- Recessed Can Light
- Fluorescent Tube Light
- Chandelier
- Fan / Light Fixture (Prep all with Light Option)
- Exhaust Ventilation Fan
- Carbon Monoxide Detector
- Smoke Detector
- Phone / Data
- Cable TV

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ELECTRICAL
PLAN 1st
FLOOR

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