

2ND FLOOR

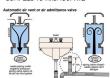
DEVELOPED LENGTH TO FURTHEST FIXTURE =130' 32" OF FALL REQUIRED

ALL DWY MATERIALS TO BE ABS OR PVC SCH 40

POINT OF CONNECTION TO SEWER AT REAR OF HOUSE,

PLUMBER TO PROVIDE ATTACHMENT POINT AT REAR OF HOME FOR FUTURE ADDITION.

WHERE NOTED ON DWY PLAN PROVIDE LISTED OATEY MODEL# 39016 SURE-YENT AIR ADMITTANCE VALVE OR EQUIVALENT COMPLIES TO ANSI 1051 A\$B



DFU CALC TBL 102.1 UPC

	WASIE	FIXTURES	
FIXTURE	QTY	FU EA	TOTAL
WATER CLOSET	6	3	18
LAV	1	1	٦
BATH TUB	1	2	2
SHOWERS	5	2	10
KIT SINK	1	2	2
WASHER	1	3	3
UTILITY SINK	2	2	4
TC	TAL DF	ı's	46

PLUMBING GENERAL NOTES

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Reynolds Residence

744 N. Naples St. Henderson, NV 8901;

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ISSUE DATE

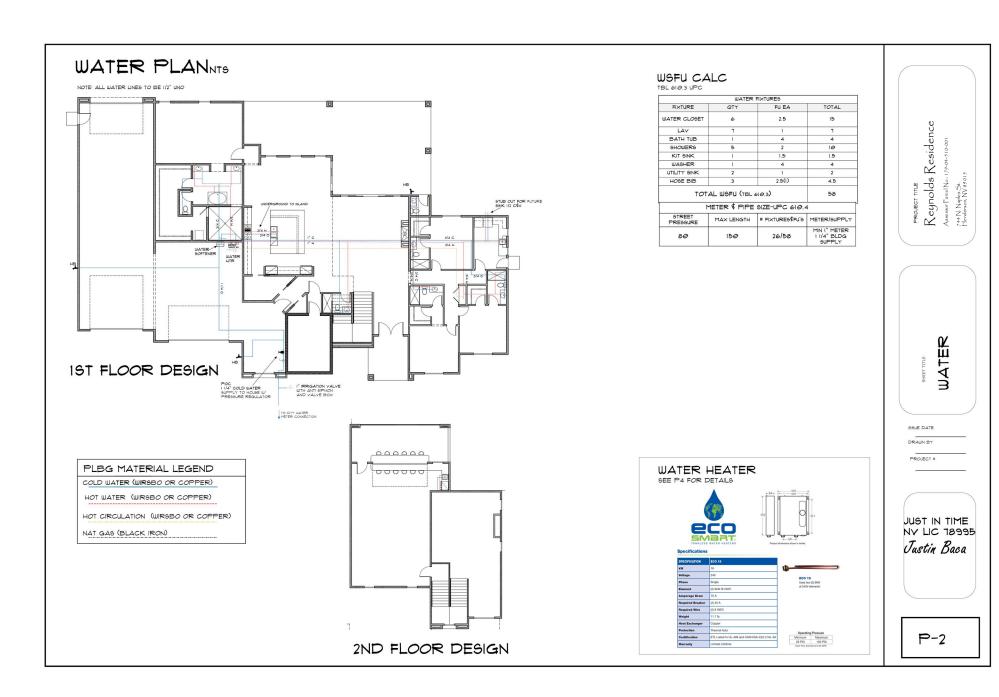
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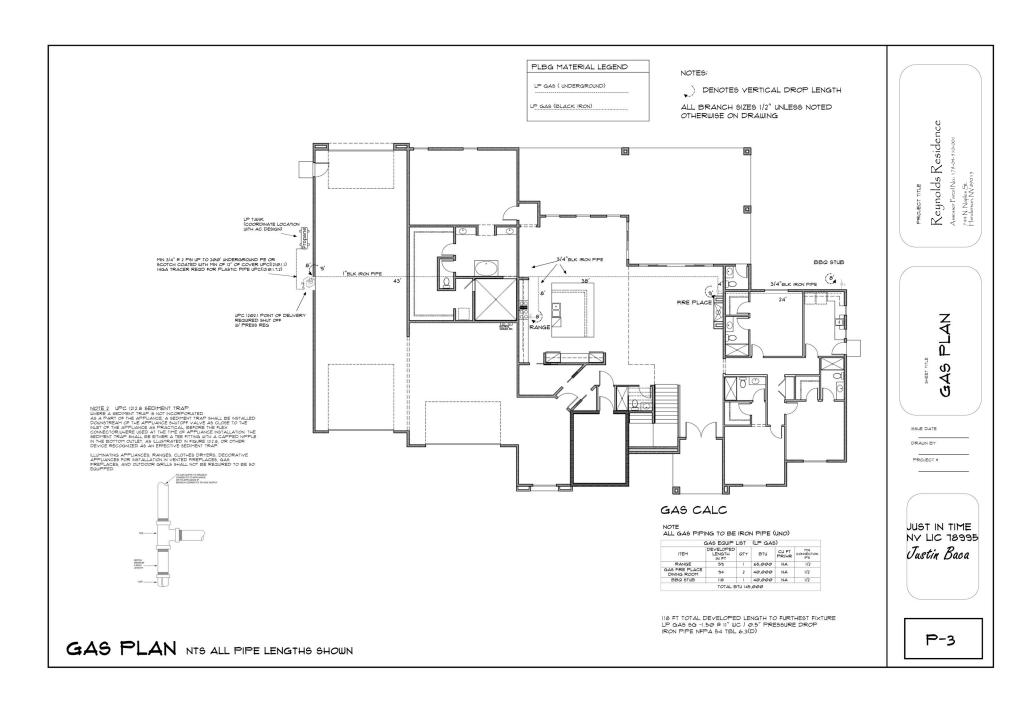
PROJECT #

JUST IN TIME NY LIC 78995 Justin Baca



DWY PLAN NTS 3/16=1







Electric Tankless Water Heater

			BREAKER	REQUIRED WIRE	WATER CONNECTIONS
ECO 18	18	240	(2) 40 A	(2) 8 AWG	3/4" NPT







Temperature Rise

The ECO 18 is a mid-range EcoSmart tankless water heater capable of heating multiple fixtures simultaneously. In colder areas, with an inlet water temperature around 37°F. the ECO 18 can heat water for a water-saving shower head. Two showers can be run at the same time in warmer climates when incoming water temperature is above 67°F. This model is equipped with patented, self-modulating technology so that it will only consume the energy necessary for the current demand. Below is a chart showing the flow rate capacity of each model, measured in gallons per minute for various inlet water temperatures and calculated for a set output temperature of 105° F.

Applications

Standard Hand Sink	0.5 GPM				
Water-Saver Showerhead	1.5 GPM				
Standard Showerhead	2.0 GPM				
Bath Tub	≥ 4.0 GPM				
Average Gallons Per Minute (GPM) based on 2010 Plumbing Standards					

Flow Rate Canacity Chart (GPM)

MODEL ECO 18	37°F	42°F	47°F	52°F	57°F	62°F	67°F	72°F	77°F
ECO 18	1.8	2.0	2.1	2.3	2.6	2.9	3.2	3.7	4.4

Flow rate shown in GPM based on outlet temperature of 105°F. Inlet temperature varies by region and sea

Product Attributes

- · Compact, durable and stylish
- ranging from 80°F to 140°F
- Dimensions: 17" x 14" x 3.75"
- Simple Installation

Standard Hand Sink	0.5 GPM
Water-Saver Showerhead	1.5 GPM
Standard Showerhead	2.0 GPM
Bath Tub	≥ 4.0 GPM

. On-demand, consistent and endless hot water · Copper heating elements with brass top increase durability

- and are threaded for easy replacement
- Digital display with temperature control in increments of 1°F 3/4* NPT water connectors for easy flex hose installation
 - · Limited lifetime warranty for residential use when registered properly and installed within 30 days of purchase by a licensed

4- PLUMBING INSTALLATION

Please follow all plumbing instructions carefully. We recommend that this product be installed by a licensed and qualified plumber in accordance with all applicable national, state, provincial, and local plumbing codes.

Installation Instructions

STEP 1: Connect the HOT WATER line to the water heater OUTLET located on the left side of the heater when facing unit. Connect the COLD WATER line to the water heater marked INLET on the right side when facing unit.

STEP 2: After tightening both fittings at the water heater, open several hot water faucets and allow water to run though the water heater for at least 2 to 3 minutes. This process purges all the air from the water lines and MUST be performed prior to turning on the power at the unit. FAILURE TO FOLLOW THIS STEP CAN CAUSE PERMANENT DAMAGE TO THE HEATING ELEMENTS. If any maintenance is performed on the water heater or the home's plumbing system that may introduce air into the plumbing pipes, it is important to turn the power off to the water heater and purge the air out of the lines before allowing the unit to power up. STEP 3: Carefully inspect all connections, unions, and the pressure relief valve (if installed) for leaks.

- 1. Do not solder any pipes with unit connected to pipes heat from soldering may damage the flow sensor. Doing so will void the warranty.
- 2. This automatic tankless water heater is equipped with both computer-controlled and electromechanical auto resetting thermostat switches for high-limited temperature protection. Since this product does not use a storage tank, the use of a temperature pressure relief valve (T&P) is not required for most installations. UL Standard 499 does NOT require that a pressure relief valve be used. However, a T&P valve may be required to meet installation codes in your area. If one is required, install the pressure relief valve in accordance with local codes and ensure that it operates correctly and that air is purged from the valve prior to installing the water heater. When connecting to Flex or High Temperature CPVC pipe, we recommend that a T&P valve be used for added safety. Please note: Installations in the Commonwealth of Massachusetts and State of Kentucky require a pressure relief valve. Please check your local installation codes for any special requirement
- 3. The maximum operating water pressure is 150 PSI. If the water pressure is higher, a pressure reducing valve must be installed on the main incoming water supply line prior to installing the electric tankless
- 4. Flexible water heater hoses are recommended to be used with your water heater as part of the installation. When connecting the inlet water pipe to the unit, make sure to use a wrench to hold the unit's connection, and another wrench to tighten, so that the flow sensor on the unit will not be loosened or damaged. Serious internal damage to the water heater can occur if the inlet or outlet connections are over tightened or if solder connections were made.
- 5. We recommend that a manual shut-off valve (ball valve) is installed on the inlet and outlet of the water heater so that there is a convenient shut-off point available in the event that future maintenance or servicing is required. It is extremely important to flush the lines to eliminate all plumbing paste or residue in the lines caused by any welding or soldering before connecting pipes to the water heater.

We recommend that all the water pipes or hoses within 3 feet of the inlet and outlet connections be rated for high temperature applications with a 150°F minimum.

HOT WATER DETAIL ECO 18 - ECO 24 - ECO 27 - ECO 36

(3) & (5) (1)

- 1. Hot Water Outlet 2. Cold Water Inlet
- 3. Celsius/Fahrenheit Conversion (Press & Hold 3 sec.)
- 4. Temperature Set Point Display
- 5. Adjustment Knob & Temperature Control 9. Electrical Strain Relief 6. Wire Connection

10. Mounting Bracket (1")

- 7. Brass Compression Nut
- 8. Brass Compression Ferrule

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