SUBMITTAL : ECO-360GLNST
360 Gallon Storage Tank

Job Name	Location					
Purchaser	Engineer					
Submitted to	Reference	☐	Approval	☐	Construction	☐
Unit Designation	Schedule #					

Specifications	GS4-45HPC
Performance	
Capacity per Heat Pump	4.5kw or 15,400 Btu/h
Recovery per HP @ 90°F Rise	20.5 Gallons per Hour
Storage Tank	**ECO-360GLNST**
Tank Volume Actual/Nominal	360 / 397 Gallons
Pressure Relief Valve (Psig & °F	125 Psig
Temperature Sensor	Thermistor
Installed Tank Weight (lbs)	664lbs
Shipping Tank Weight (lbs)	1016lbs
Anodes	3 x Magnesium
Tank Connection Sizes	
Cold Water Inlet	3" NPT
Hot Water Outlet	3" NPT
Cold Water to Heat Pump	1 1/2" NPT
Hot Water Return from HP	1 1/2" NPT
Pipe Size - Tank to Heat Pump	
Cold Water pipe - Tank to HP	As designed
Hot Water pipe - HP to Tank	As designed
Max Pipe Length inc	66ft
Max Vertical Separation of	23ft
Approvals	
Tank	ASME
Warranty	
Tank	6 Years

Construction
The tank shall be manufactured from carbon steel with a baked on Ultonium porcelain enamel lining lining
Tank outer shell shall be covered with a spray on foam insulation with an acrylic top coat to allow both interior and exterior installation
Tank shall have ECO2 stenciled on the Insulation top coat

Insulation
A minimum of 2 1/4" of R7.5 insulation shall be sprayed on to the tank to reduce heat loss and comply with California Title 24 requirements

Connections
Connections to the Hot and Cold building supplies shall be 3" NPT Female type
Connection to Cold supply from the tank to the Heat Pump shall be 1 1/2" NPT male type
Connection to Hot return from the Heat Pump to the tank shall be 1 1/2" NPT female type

Controls
The tank shall be supplied with a Temperature sensor well for field installation so that Tank Temperature sensors are able to be inserted
Each Heat Pump connected to the Storage Tank shall require a 91101-45190 temperature sensor to be field installed in the Sensor well and wired directly to the Heat Pump
If the ECO-MSCTRL-01 Multi Unit Controller shall be used, it shall be supplied with Temperature sensors for field installation
All sensors shall be field installed

Pressure and Temperature Relief
Tank shall be supplied with a field installed, ASME approved Pressure relief valve
Valve Setting shall be at 125 Psig
Relief Valve shall be piped to a suitable location in case of discharge

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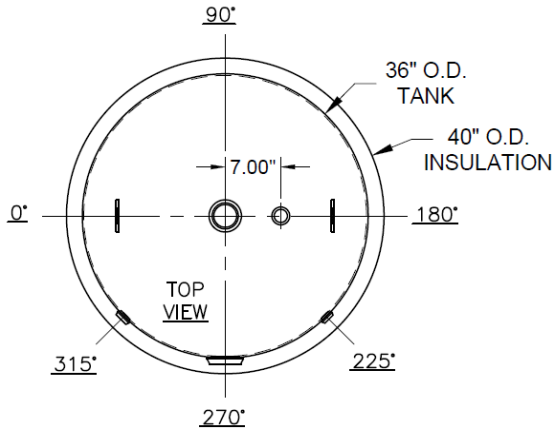
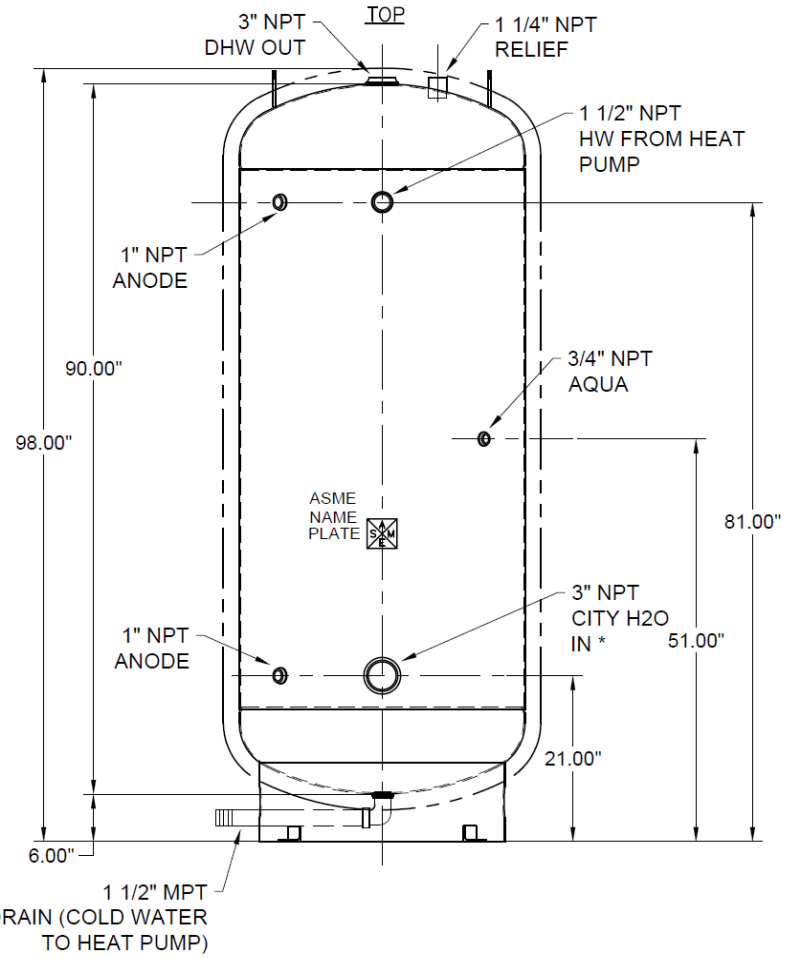
Storage Tank Dimensions



CONSTRUCTION:
-MATERIAL - CARBON STEEL
-INTERIOR LINING - PORCELAIN ENAMEL
-EXTERIOR - PRIME PAINTED W/ 2" THK
INSULATION & ACRYLIC TOP COAT
-SACRIFICIAL ANODES - MAGNESIUM
-M.A.W.P. - 125 PSI
-MAX. OPERATING TEMP. - 180°F



* INCLUDES DOWNWARD DEFLECTOR-SPARGE A TRON

REV. B: ADDED NOTE TO DRAIN. CHANGED CUSTOMER NAME

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Due to Eco2 SystemsLLC's policy of on-going product development specifications are subject to change without notice

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