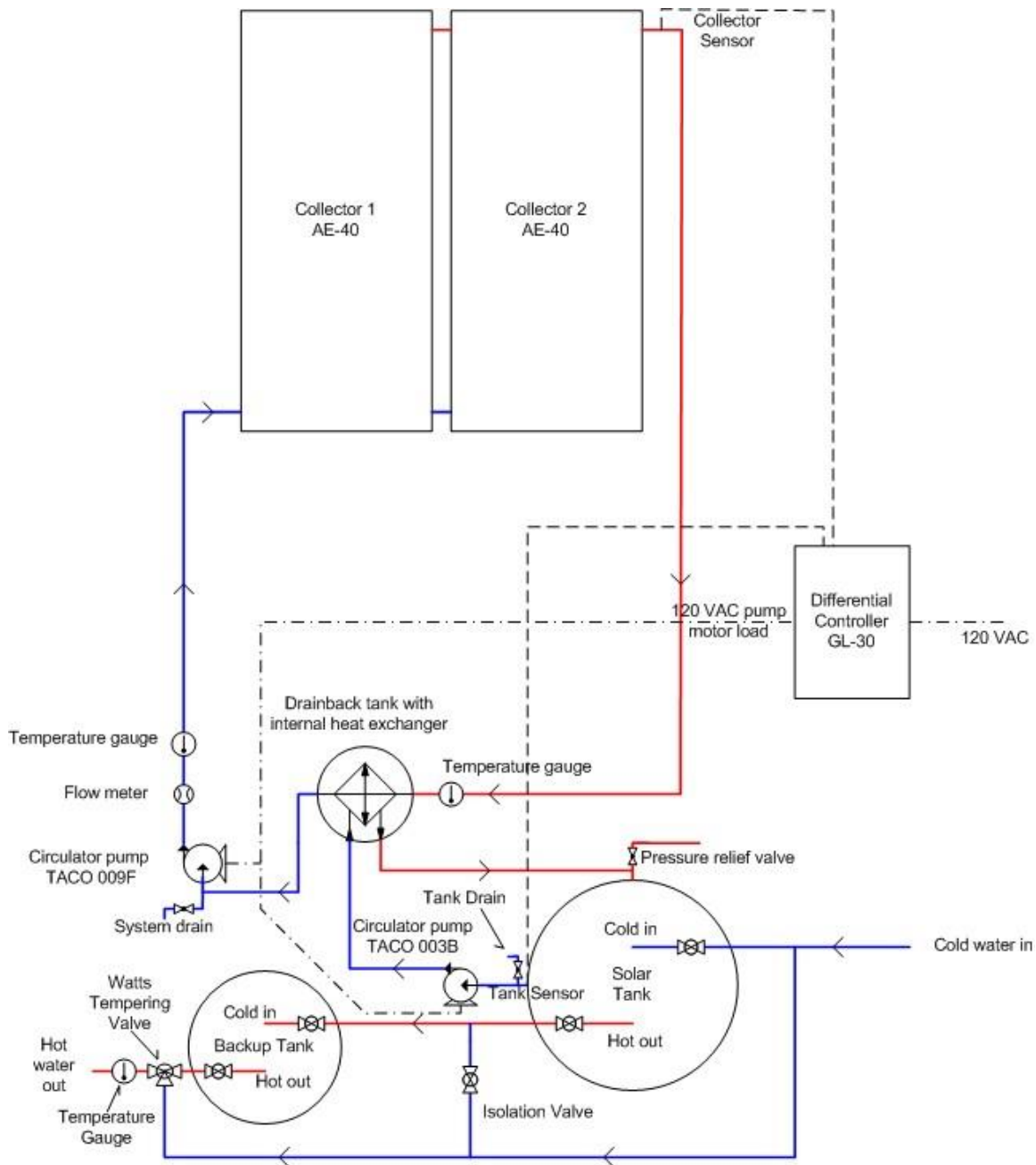


Hudson Valley Solar  
 Thermal Hot water systems  
 80 Gallon drain back, Domestic Hot Water Heating



Parts List:

Note: Copper pipe lengths, misc parts such as elbows, reducers, couplings, insulation are estimates based on the average system. Some installations may require more or different amounts of said items.

Manufacturer	Nomenclature	Part Number	Amount
Alternate Energy Technologies	Flat Plate Collector, glazed	AE-40	2 Each
Alternate Energy Technologies	Mounting Hardware	MH-40	2 Sets
Alternate Energy Technologies	Aluminum Strut, 1 X 1 X0.125"	6063-T52	5 Feet
RADCO industries	Drain Back Tank, 8 gallons	RDX-4004	1 Each
TACO	Circulating Pump	009F	1 Each
TACO	Circulating Pump	003B	1 Each
Watts	Tempering Valve	70A	1 Each
Rheem/Ruud	Hot Water Tank, 80 Gallon	RUE PRO80-2	1 Each
Rheem Ruud	Hot Water Tank, 40 Gallon	RUE PRO40-2	1 Each
Letro	Flow Gauge, 2-16 GPM	LDF359N	1 Each
Letro	Temperature Gauge 50-220 deg F, 3/4 well	SL-2W3	3 Each
Mullen	Ball Valve, 3/4 inch NPT female	R910	4 Each
Mullen	Ball Valve 3/4 inch sweat	R900	2 Each
American Valve	Boiler Drain		3 Each
Gold Line	Differential Controller	GL-30	1 Each
Gold Line	10K temperature sensor	SB	2 Each
NIBCO	3/4 inch union		4 Each
NIBCO	1/2 inch union		2 Each
CMC Howell	Type K 3/4" copper tubing		60 Feet
CMC Howell	Type L 1" copper pipe		5 Feet
CMC Howell	Type L 3/4" copper pipe		20 Feet
CMC Howell	Type L 1/2" copper pipe		10 Feet
NIBCO	1" copper cap		2 Each
NIBCO	1" copper coupling		4 Each
NIBCO	1" copper elbow, 90 degree		1 Each
NIBCO	1" copper elbow 45 degree		1 Each
NIBCO	1" to 3/4" reducer		2 Each
NIBCO	3/4" T		8 Each

NIBCO	¾" to ¾"NPT adaptor male		8 Each
NIBCO	¾" to ¾" NPT adaptor female		8 Each
NIBCO	¾" to ½" NPT adaptor, female		3Each
NIBCO	¾" to ½" T reducer		4 Each
NIBCO	¾" copper elbow 90		8 Each
NIBCO	½" copper elbow 90		6 Each
NIBCO	¾" copper elbow 45		6 Each
NIBCO	½" copper elbow 45		4 Each
NIBCO	¾ to ½" Reducer		2 Each
Insultube	¾" pipe insulation R5	6RX068078	72 feet
Normaco K-flex	1" pipe insulation R5	TC118C	6 feet
Normaco K-flex	½" pipe insulation R5	TC58C	12 feet
General Cable	Thermostat wire, 18 Ga, UV resistant, 210 Deg F.	5582	40 Feet