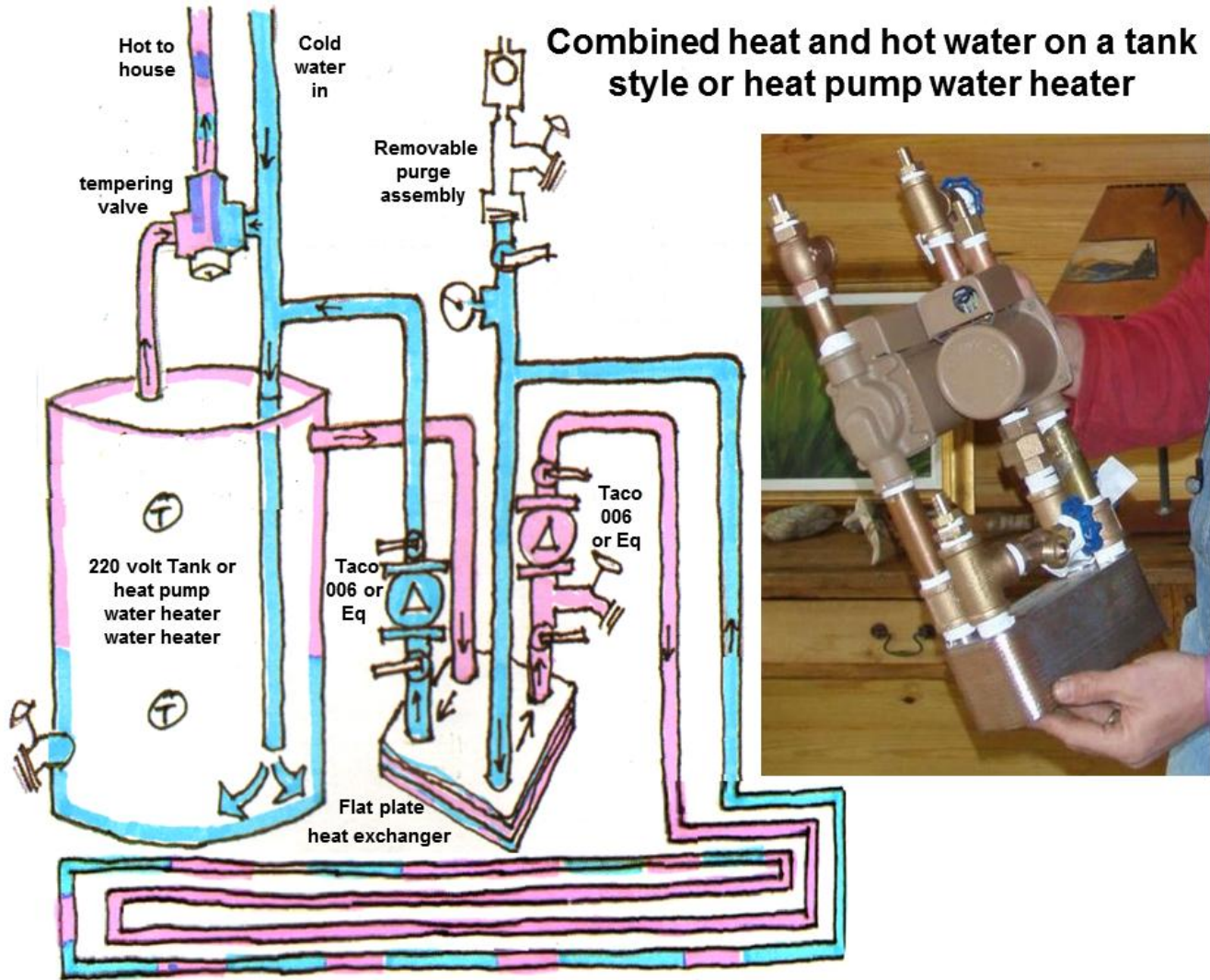


# CHANDLER DESIGN-BUILD

## Simple Radiant



### Simple radiant floor parts list and lay-out

**Solar H2OT order:**

P-PAC-413A30 Pump - Wilo Star S 16 BFX, bronze 3-speed	147.60	2	295.20T
P-FL-4277D Flange - 3/4" bronze shut-off with drain, set of 2	85.20	1	85.20T
P-HX-214412 Heat Exchanger - 4.2 x 12 copper brazed 14 plate	173.40	1	173.40
P-FL-4177 Flanges - 3/4" bronze shut off flange, set of 2	31.80	1	31.80T
P-V-3PR76 Relief Valve - 3/4" 75 psi pressure release valve	6.66	1	6.66T
Tax and shipping?			

**Graingers order:**

Line voltage thermostat	#1UHE8	\$ 27.55	1	27.55
3/4 PEX ball valve	# 1WRJ7	\$11.04	2	22.08
3/4 Brass elbow	# 1VER9	\$6.14	4	24.56
3/4 brass x 3" nipple	#1VGU2	\$5.35	2	6.70
3/4 brass Tee	#1VEZ5	\$7.77	1	7.77
3/4" brass gate check	#1JLY9	\$28.60	1	28.60

3249 Henderson Field Rd. Mebane NC 27302

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air bubble eliminator	#4A821	\$9.59	1	9.59
and ¼ x ¾ brass bushing	#1VFX8	\$3.13	1	3.13

with a second Tee \$7.77 and nipple \$5.35 to help rid floor of residual air bubbles after flushing.

Good to have pressure gauge on hose thread to attach to drain to monitor bubble elimination over time.

Use a washing machine hose to make a female to female hose connection to fill the floor w/ water and flush.

100' rolls of ½" PEX @ 1 lf per sf, approx. thirty cents per foot plus 3/4x3/4x1/2 tees to make up manifolds at water heater.

For indoor air circulation Install delay-off motion detector switches on master bath fan to provide occupancy-controlled fresh air circulation to 7.5 cu ft per min per Energy Star and American Lung Assn. and Green Building standards. Provide combined domestic hot water and radiant floor heat as illustrated below.