

	7-9		
9	8		
(<u>A</u> -			
	SOLAR DIRECT MODE	SOLAR PRE-HEAT MODE SOLAR OFF MODE	

THERMAL EXPANSION TANK SIZING TABLE				
WATER	EXPANSION TANK GALLONS			
HEATER	(MAX 60 PSI CITY WATER PRESSURE)			
SIZE	@140°F	@16.0°F		
40	2.0	3.2		
50	2.0	3.2		
60	3.2	3.2		
80	3.2	4.4		
120	4.4	4.4		

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Solar Hot Water System Heliodyne SolPal ICS Collector Typical Plumbing Diagram

SIZE	DWG NO	REV	SHEET:
Α	I of 2	1.2	N/A

SOLPAL - PLUMBING DIAGRAM.dft

	NAME	DATE	
Drawn by	Adam Diehl	03/20/13	
Eng Appr	Kirk Maust	03/20/13	
P.E. Appr	David Stevens	03/20/13	

Stevens & Associates, LLC

X

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN FT-IN SCALE 1/4" = 1'0"

*WATER H	WATER HEATER BREAKER MAY BE LEFT OFF OR TURNED ON IN PRE-HEAT MODE					
	SOLPAL OPERATION MODE GUIDE					
	ODE	SOLAR HEATER	DIRECT	PRE-HEAT	OFF	
	M	BACKUP HEATER	OFF	ON OR OFF*	ON	
	E #	6	DOWN	DOWN	HORIZONTAL	
	\ <u>\</u>	7	DOWN	DOWN	HORIZONTAL	
	VAI	8	HORIZONTAL	DOWN	HORIZONTAL	

Choose desired SOLAR MODE below then set BACKUP HEATER and VALES as shown below MODE selected.

WARNING: If the outside temperature falls below 20F for 18 consecutive hours or 10F for 6 consecutive hours, the SolPal system must be drained and covered to prevent freezing. See Operating Manual for Drainging and Filling instructions. Do not leave system drained unless the panel is covered.

Existing Water Heater