



NOTES:  
 1. The pipe size, heat exchanger size drainback tank size and pump size will be determined by the size of the collector array.  
 2. All supply & return lines should be sloped at 1/4" per foot to facilitate drainage.

VACUUM BREAKER HOLE MUST BE IN DIP TUBE ABOVE WATER LEVEL

SENSOR LINE TO DRAINBACK

SOLVELOX PUMP LINES

WT1  
 80 GAL. TANK  
 24" DIAMETER  
 60" TALL

Conventional Gas Water Heater

ITEM	DESCRIPTION	QTY
10	Pressure and Temperature Valve	2
9	Pressure Relief Valve	1
8	Potable Expansion Tank, Flex Tube, & Mounting Bracket	1
7	3/4" Elbow	2
6	ISSE 1017 Certified Mixing Valve	1
5	3/4" Threaded Bronze Tee	3
4	SolarHOT 4'x8' Platinum Collectors	TBD
3	Drainback Tank	1
2	Solvelox DHW Heat Exchange System	1
1		

1 Recommended install heat trap on cold inlet and hot supply to mixing valve. 8" minimum.



REVISIONS

THIS DRAWING CREATED WITH AutoCad	
DRAWN BY: Jessica Gretsch	DESCRIPTION: Double Tank Drainback System w Gas Backup
DRAWN DATE: 6/1/2009	
APPROVED BY:	REV: 0
SHEET: 1 OF 1	SCALE: NTS
DRAWING NO: SCHEM0076	DWG SIZE: D

TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 XXXX ±0.00  
 XXXXX ±0.005  
 XXXXXX ±0.005  
 ANGULAR DIM ±0.25°  
 CONCENTRICITY 0.010 T.I.R.