Domestic Hot Water Re-Circ (DHWR) Worksheet

Revised: 03/24/2020

Project Name:	**Date:**
Contractor:	**City / State:**
Wholesaler:	**Rep Firm:**

Check Boxes that apply ✓

Water Heating Equipment Type:	Tank Type:		Tankless:		Gas Fired:		Electric:		Indirect:	

Piping Material:

Copper		Type M		Type L		Type K	
PEX / PE-RT SDR 9				Galv. Steel Sch: 40			
PEX-AL-PEX				CPVC (CTS)			

Piping Scheme: (Please provide simple sketch of layout)

Trunk & Branch no Re-Circ:		Home Run:	
Trunk & Branch w/ Re-Circ:		Other:	
Full Sized (Intelligent) Loop:			

Piping Calculations:

		Volume Data		P.D. Data	
Size of Pipe	Total Lineal Footage of Runs	Gallons per/Ft.	Total Gallons per Run	Pressure Drop per foot Ft/Hd.	Total Pressure Drop Ft/Hd.
3/8"					
1/2"					
3/4"					
1"					
1-¼"					
1-½"					
2"					
2-½"					
3"					
*** (_____)"**			Cell Not Used		
		Total Gallons in supply side:		**Valve & Fitting Factor**	X
Misc: (GPM / Cv sq. = psi x 2.31 = Ft.Hd.)				Mix Vlv or Misc	
** This line has a Maximum Velocity Limitation of ( ) GPM, deduct from supply*				Total PD:	

Total gallons in supply X 2 ( ) / by MVL ( ) GPM = ( ) minutes to flush supply hot lines.

	Estimated Re-Circ pump size:	GPM:	Ft/Hd.:
Additional Information Required:	Suggested Taco Re-Circ pump:		

Temperature of hot water supplied out to fixtures?	°F	Suggested Valve & Fitting Factor multipliers: • Copper or outside fitting = X 1.25 • PEX with F1960 or F2080= X 1.50 • PEX with F1807 = X 2.00
Temperature of air around hot water & Re-Circ pipes?	°F	
Insulation R-Value installed on hot water & Re-Circ piping?	Rv	
Or; Thickness and type of Insulation on hot & Re-Circ piping?	"	Ins. type:

Information above provided by: ✗ *(Please Print your name legibly)*

The accuracy of the information provided above will reflect in the precision of the final design and performance of the Taco Re-Circ system, so please be precise!