Domestic Hot Water Re-Circ (DHWR) Worksheet

Taco Comfort Solutions® — A Taco Family Company

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:

Size of Pipe	Total Lineal Footage of Runs	Volume Data — Gallons per/Ft.	Volume Data — Total Gallons per Run	P.D. Data — Pressure Drop per foot Ft/Hd.	P.D. Data — 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:**
Temperature of air around hot water & Re-Circ pipes?	°F	• Copper or outside fitting = X 1.25
Insulation R-Value installed on hot water & Re-Circ piping?	Rv	• PEX with F1960 or F2080= X 1.50
Or; Thickness and type of Insulation on hot & Re-Circ piping?	"	• PEX with F1807 = X 2.00
		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!