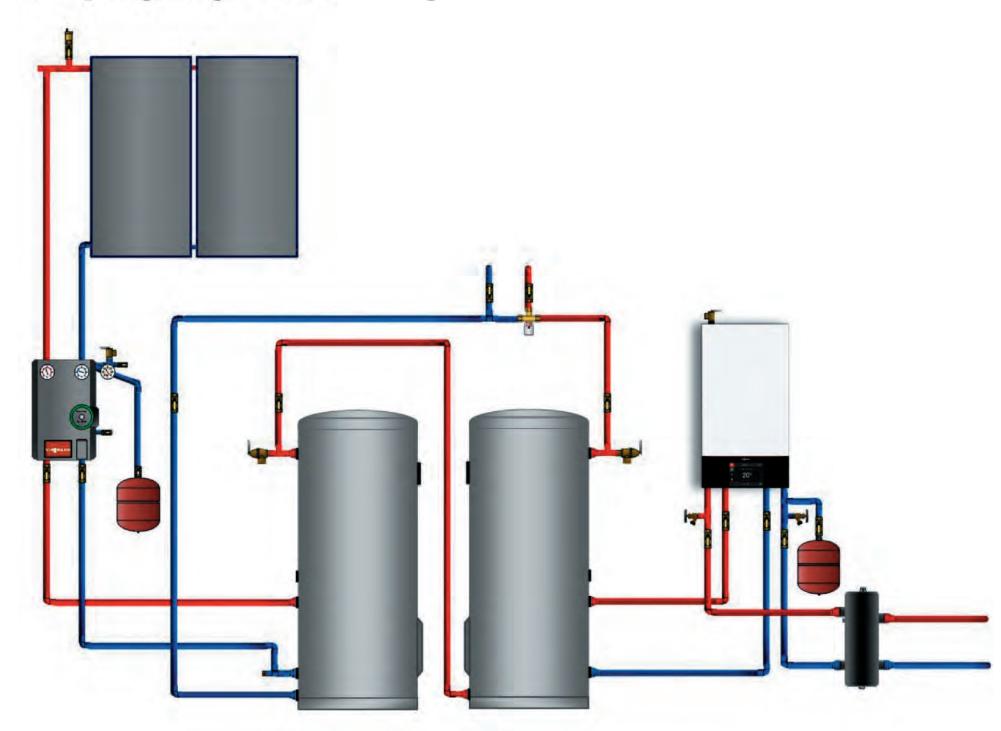
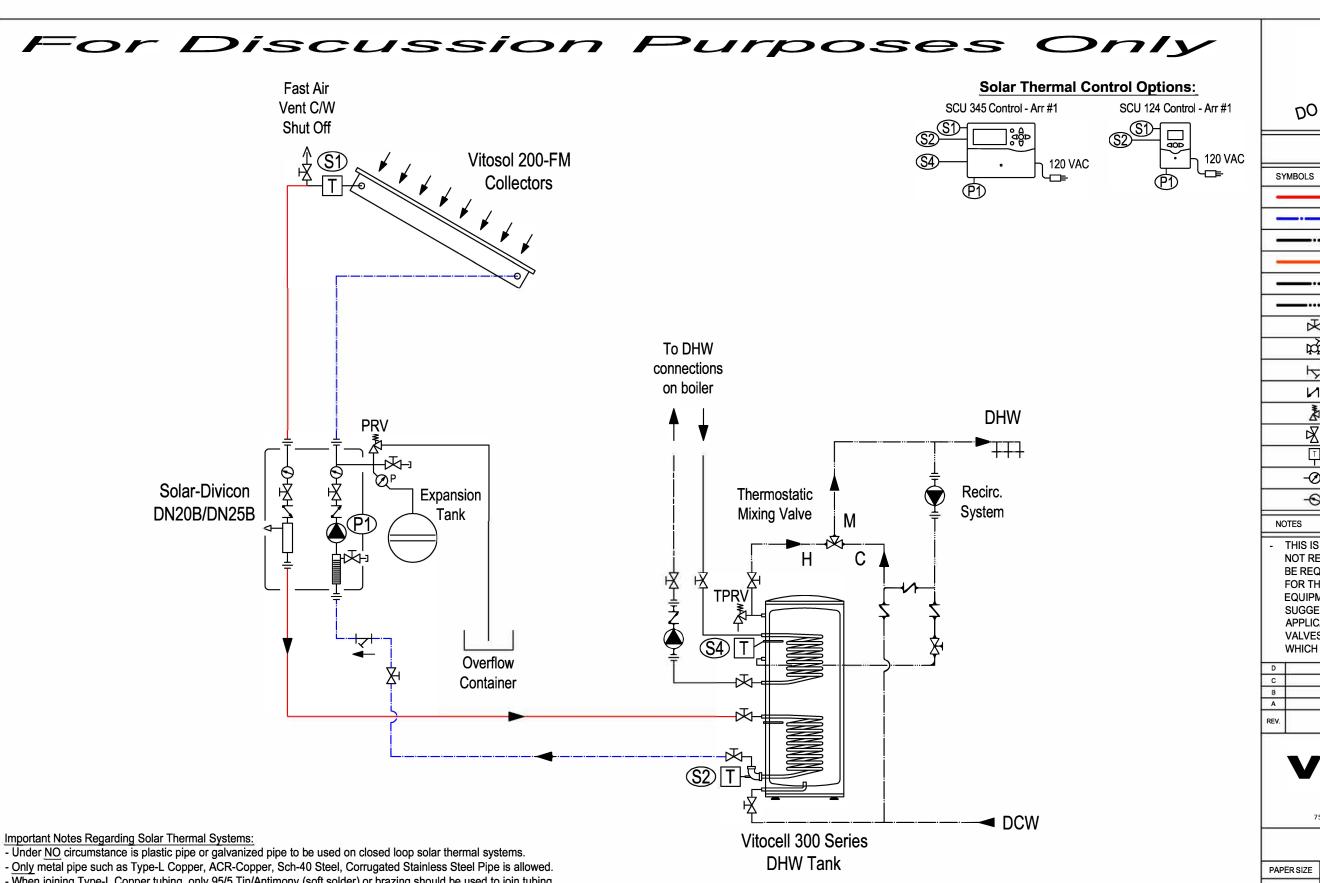


Vitosol Sample Piping Layout Drawings





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SYMBOLS	DESCRIPTION
-	SOLAR WATER SUPPLY PIPE
	SOLAR WATER RETURN PIPE
	DOMESTIC COLD WATER PIPE
·	DOMESTIC HOT WATER PIPE
•	DOMESTIC COLD WATER PIPE
	DOMESTIC HOT WATER RECIRC. PIPE
⋈	ISOLATION VALVE
Ŕ	CIRCUIT SETTER
卜	WYE STRAINER
И	CHECK VALVE
Ž	PRESSURE RELIEF VALVE
图	ANTISCALD / TEMPERING VALVE
Ŧ	TEMPERATURE SENSOR
- ⊘ P	PRESSURE GUAGE
-⊙⊺	TEMPERING GAUGE

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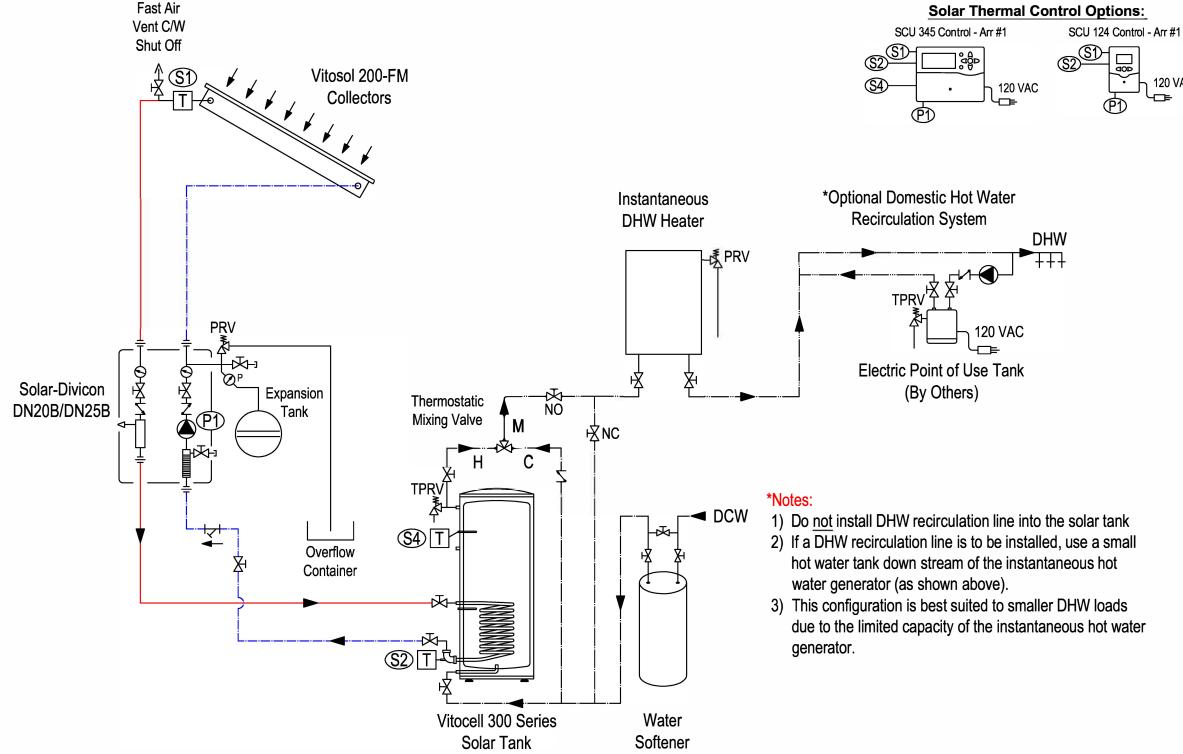
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- When joining Type-L Copper tubing, only 95/5 Tin/Antimony (soft solder) or brazing should be used to join tubing.
- When using press fittings, use high temperature O-rings suitable for use with propylene glycol mixtures up to 50%.
- If a flat plate heat exchanger is to be used for potable water applications, the installation of a water softener is highly recommended to help protect the heat exchanger against fouling.
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For Discussion Purposes Only



Important Notes Regarding Solar Thermal Systems:

- Under NO circumstance is plastic pipe or galvanized pipe to be used on closed loop solar thermal systems.
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-	DOMESTIC HOT WATER PIPE
	DOMESTIC COLD WATER PIPE
	DOMESTIC HOT WATER RECIRC. PIPE
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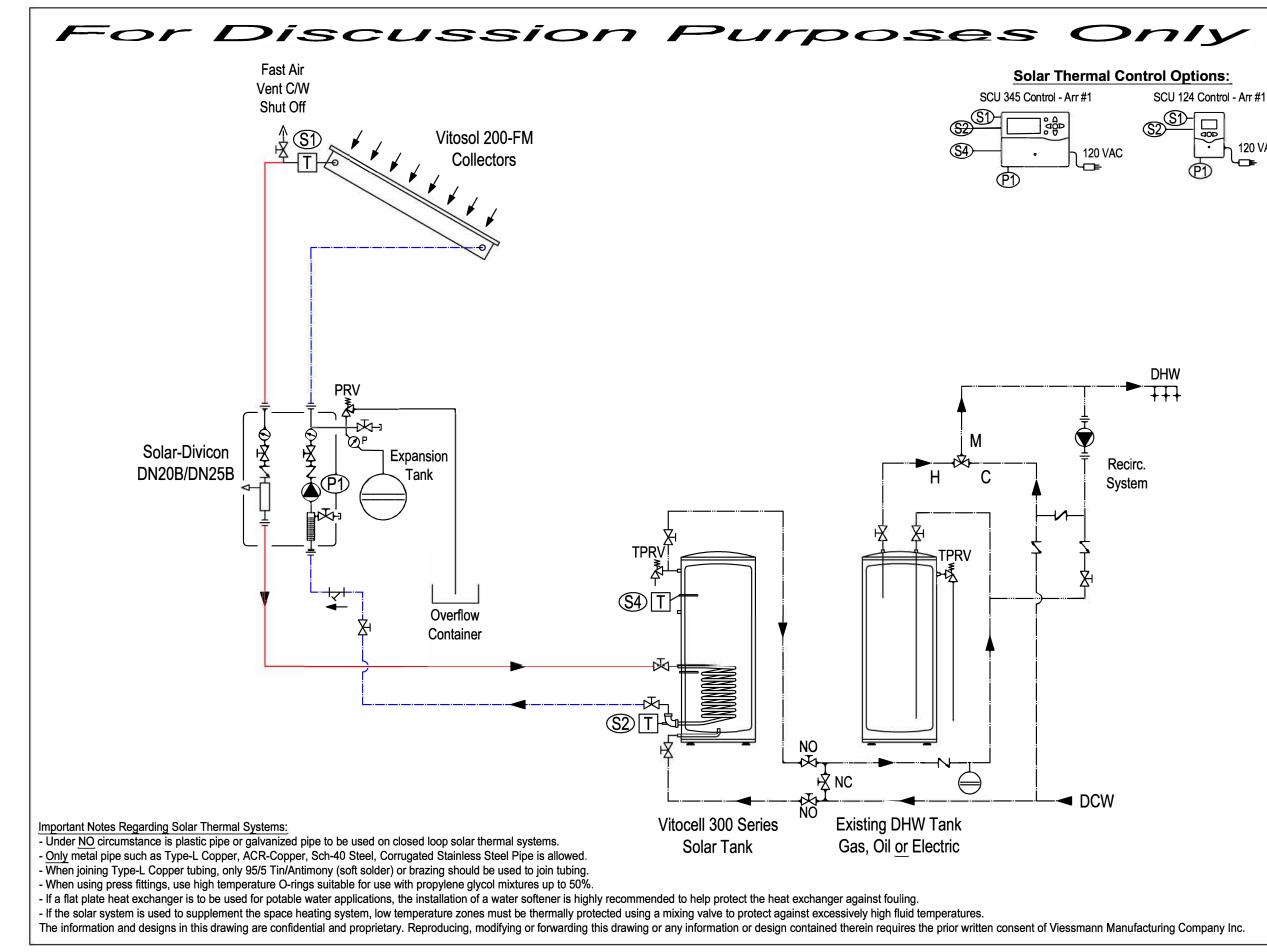
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	LEGEND
SYMBOLS	DESCRIPTION
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	SOLAR WATER RETURN PIPE
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-	DOMESTIC HOT WATER PIPE
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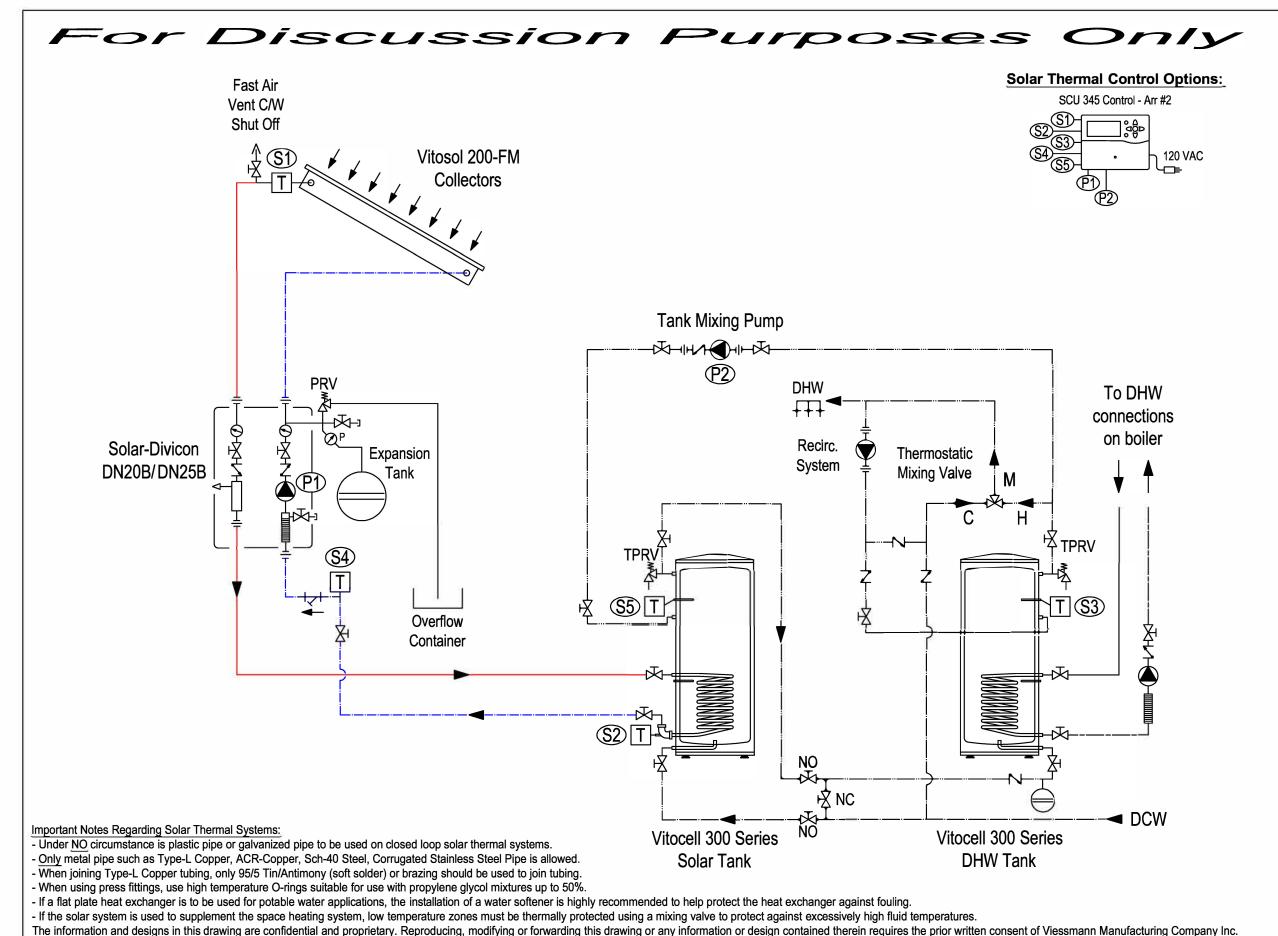
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	LEGEND
SYMBOLS	DESCRIPTION
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TEMPERING GAUGE

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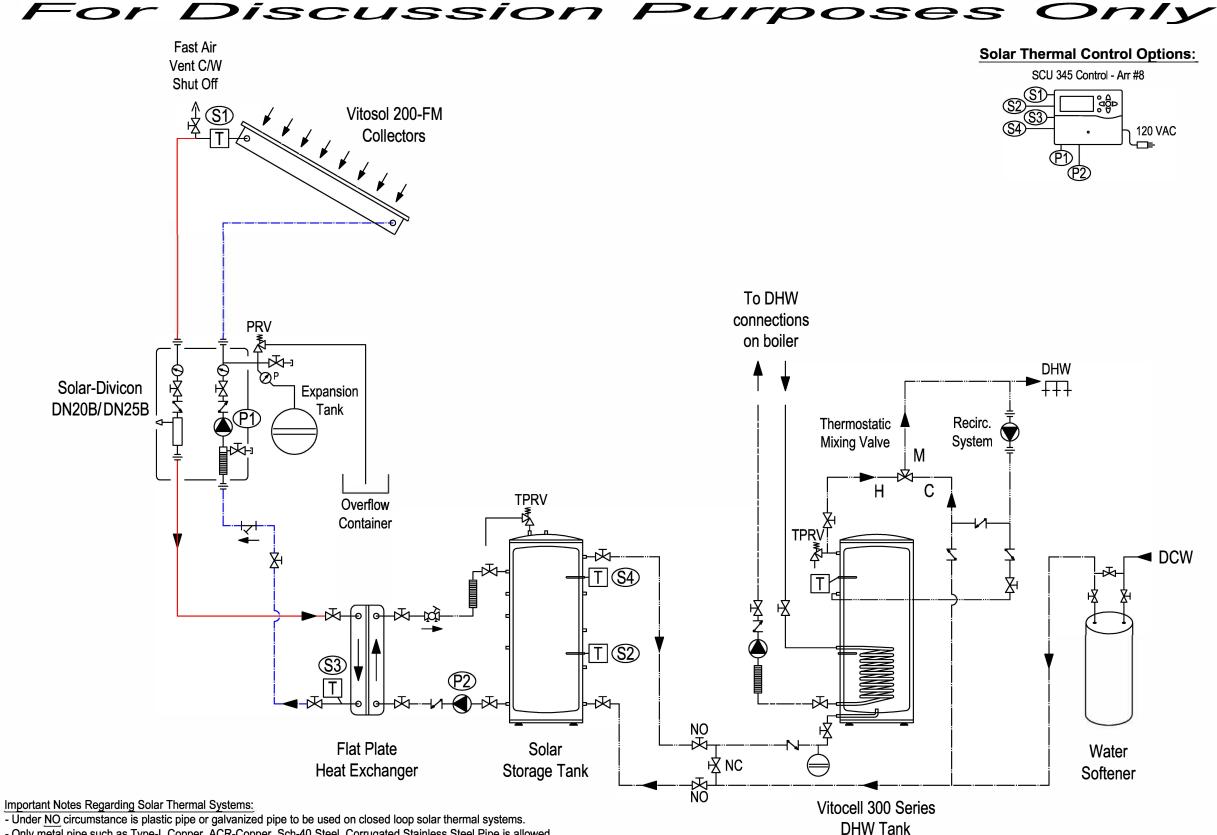
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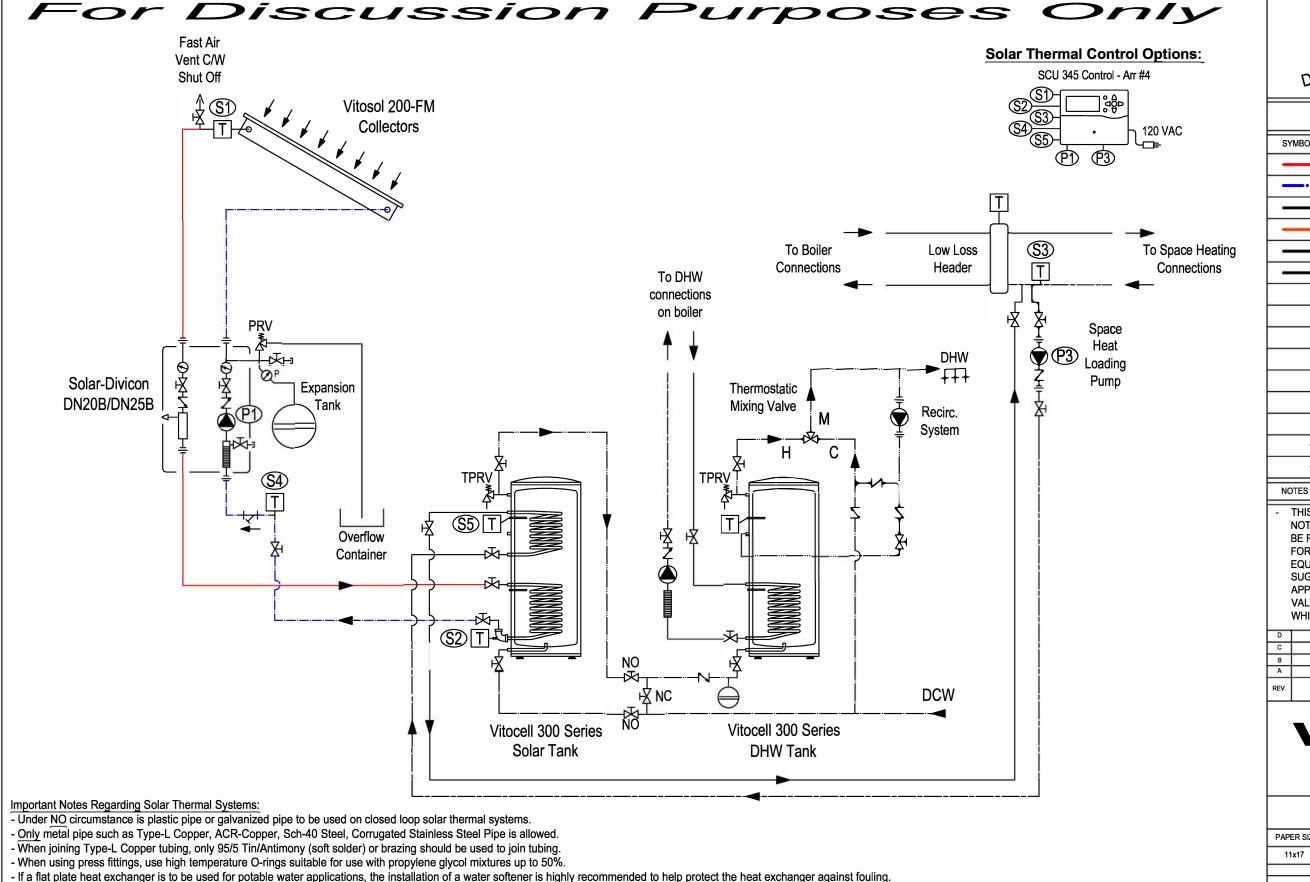
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TEMPERING GAUGE

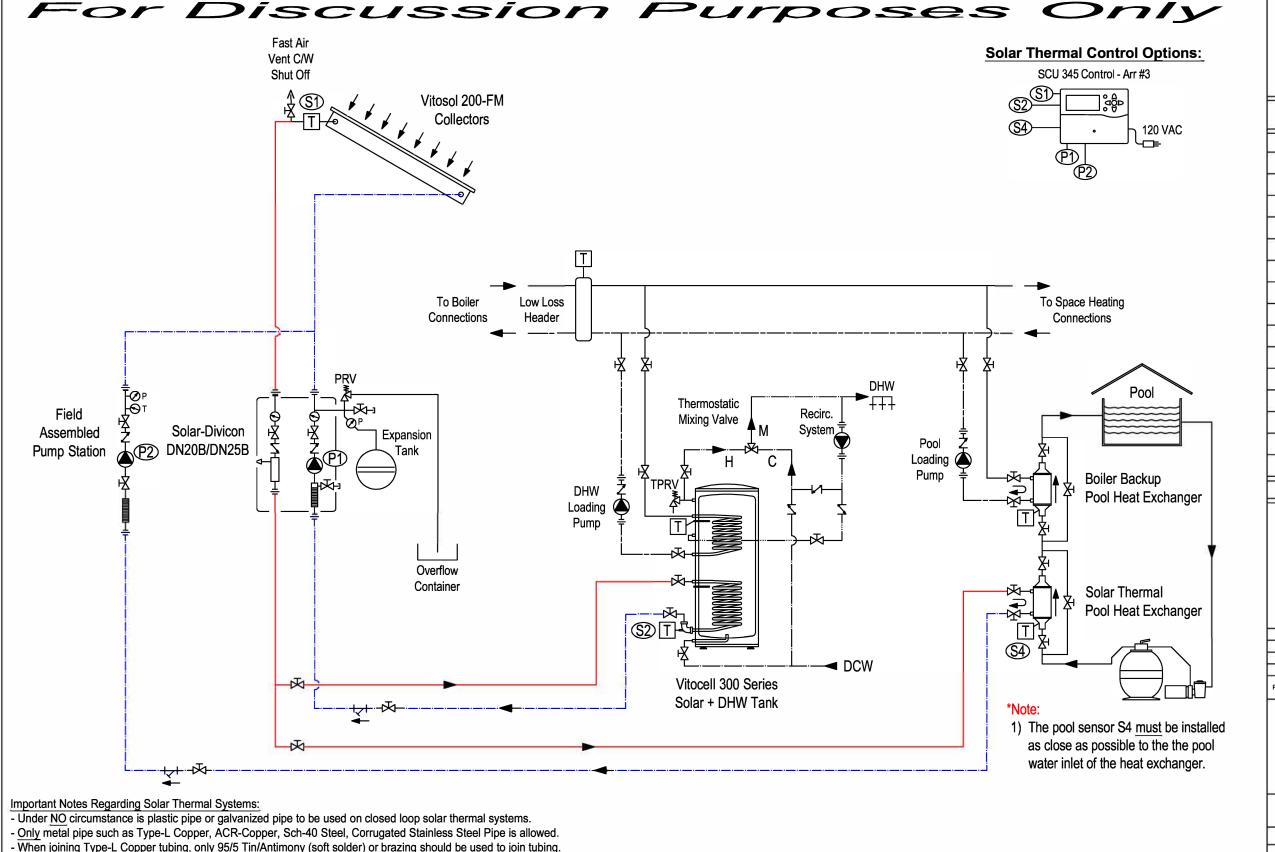
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- When using press fittings, use high temperature O-rings suitable for use with propylene glycol mixtures up to 50%.
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SYMBOLS	DESCRIPTION
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	SOLAR WATER RETURN PIPE
	DOMESTIC COLD WATER PIPE
÷	DOMESTIC HOT WATER PIPE
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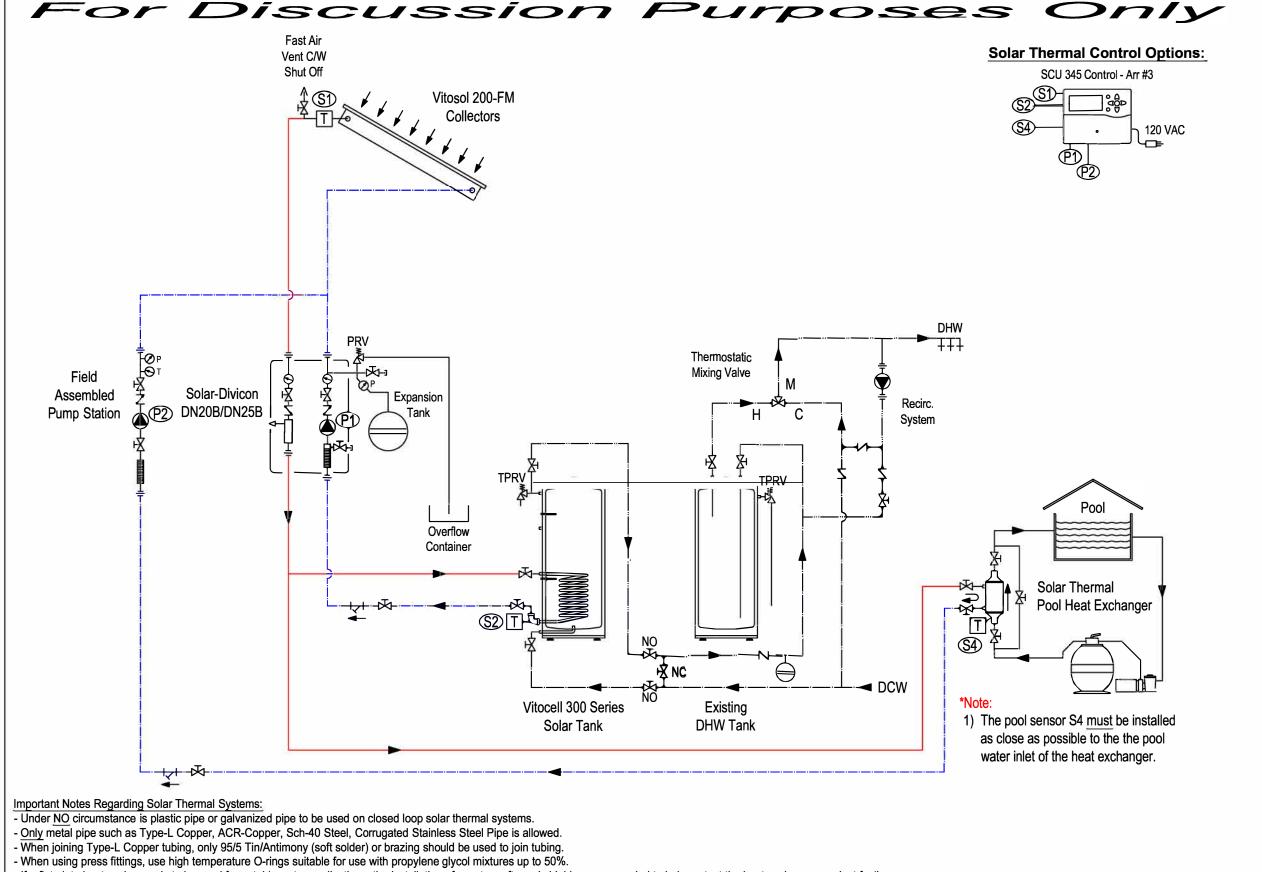
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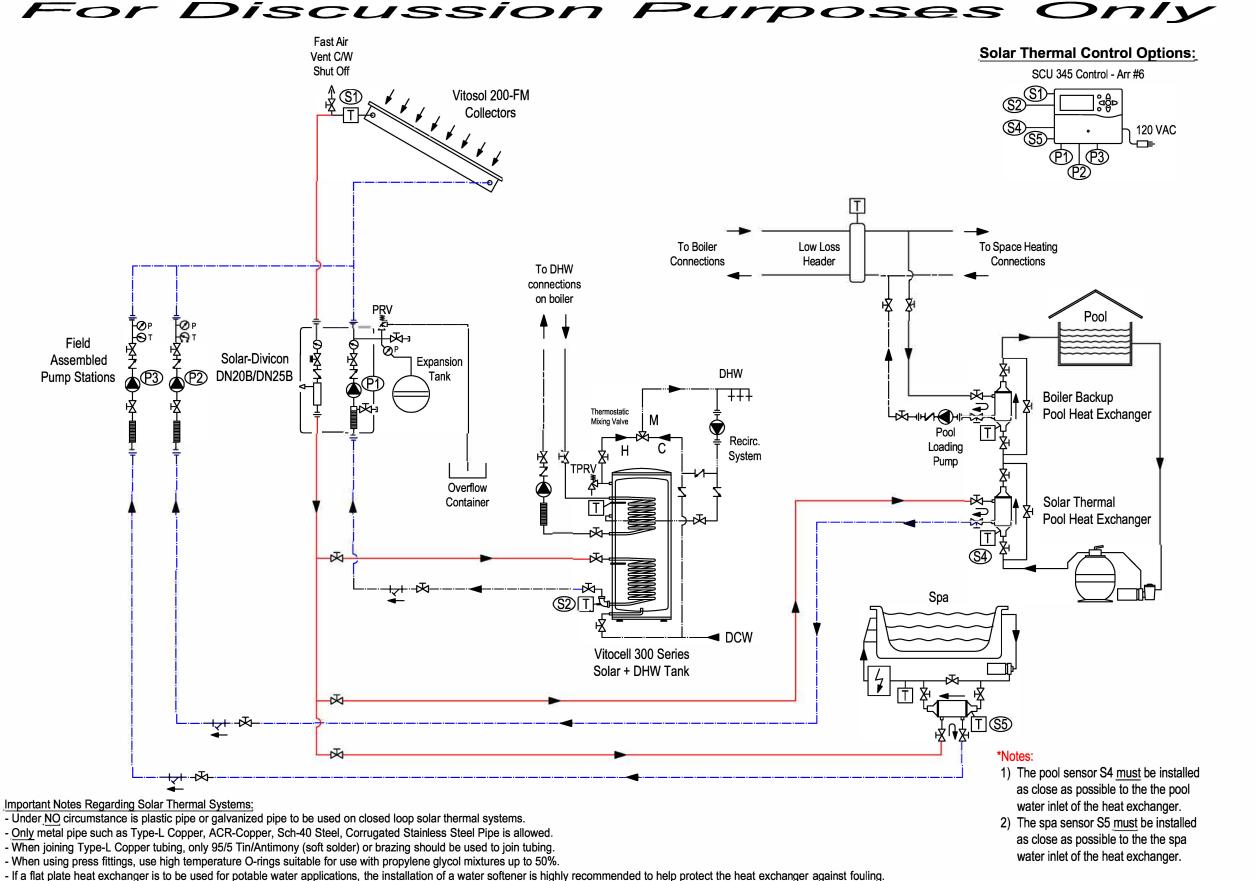
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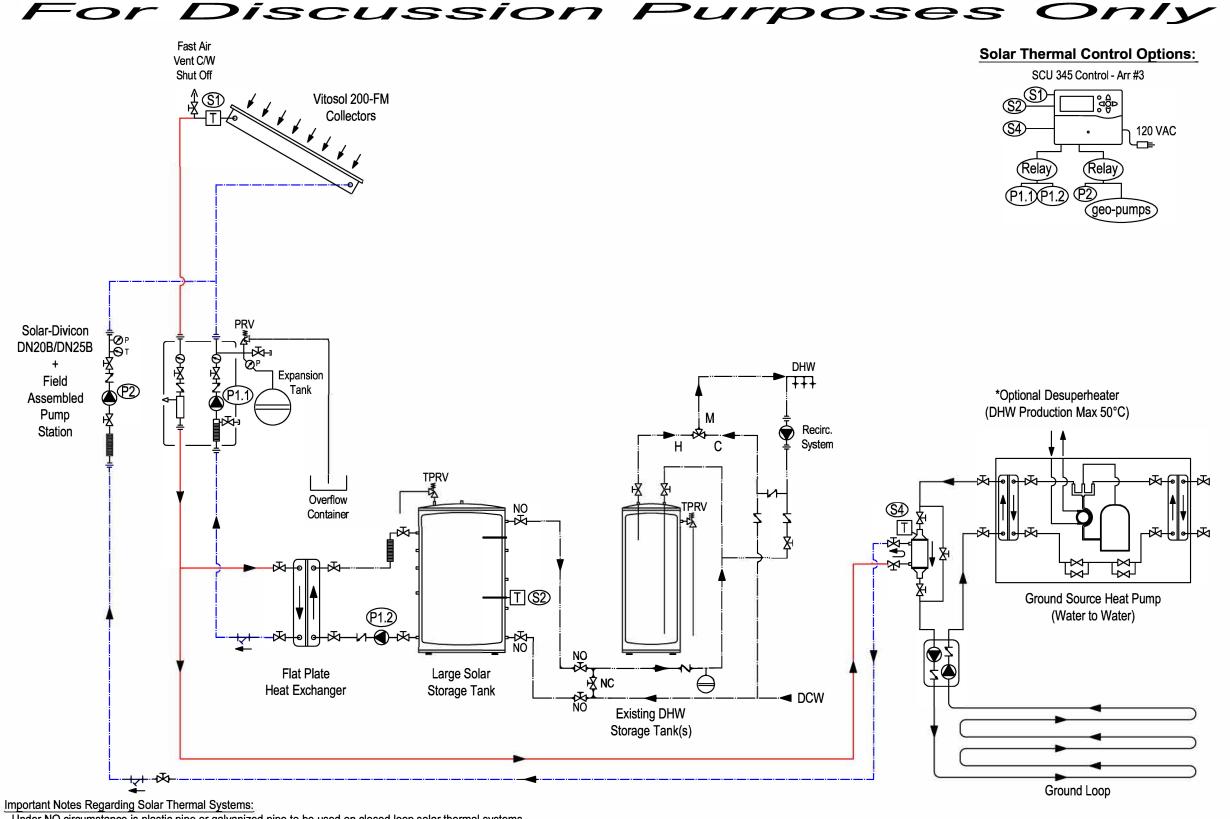
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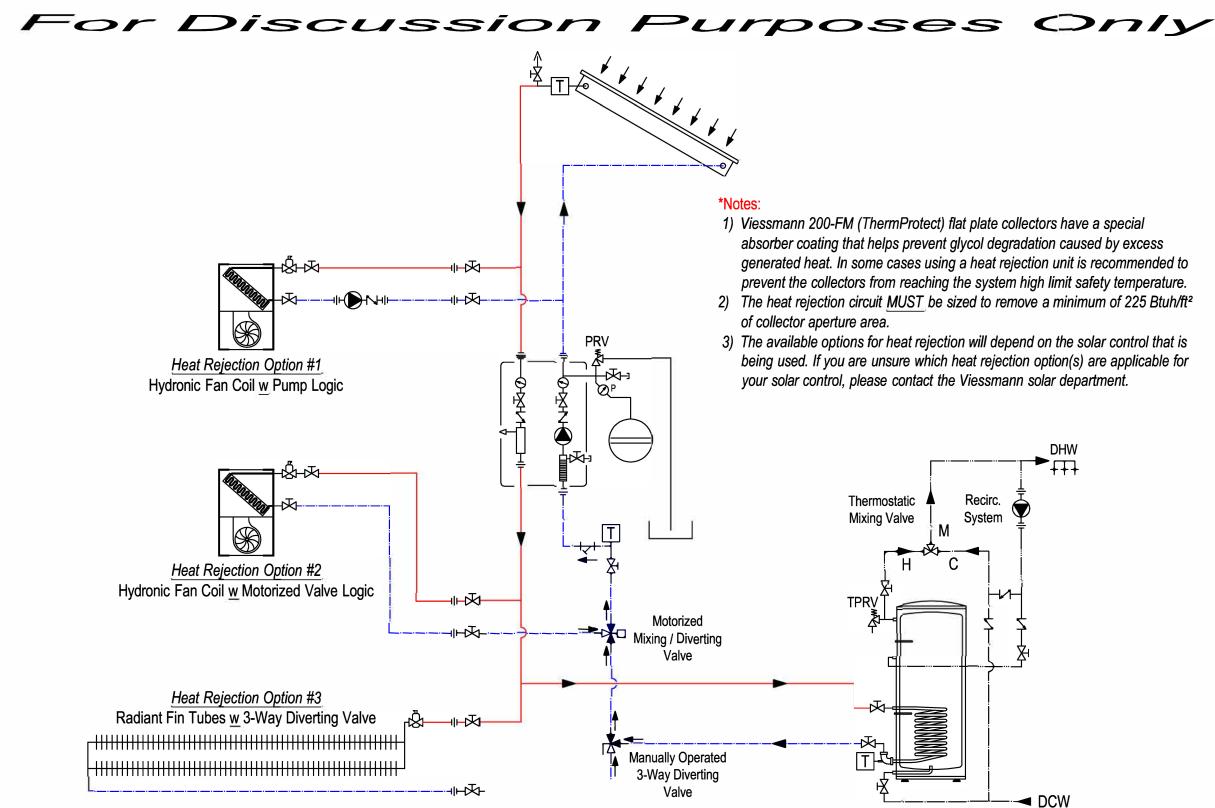
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- When using press fittings, use high temperature O-rings suitable for use with propylene glycol mixtures up to 50%.
- If a flat plate heat exchanger is to be used for potable water applications, the installation of a water softener is highly recommended to help protect the heat exchanger against fouling.
- If the solar system is used to supplement the space heating system, low temperature zones must be thermally protected using a mixing valve to protect against excessively high fluid temperatures.
- The information and designs in this drawing are confidential and proprietary. Reproducing, modifying or forwarding this drawing or any information or design contained therein requires the prior written consent of Viessmann Manufacturing Company Inc.

CONFIDENTIAL CONCEPTUAL Drawing Only Conceptual Drawing CONTRUCTION DO NOT USE FOR CONTRUCTION

	LEGEND
SYMBOLS	DESCRIPTION
	SOLAR WATER SUPPLY PIPE
	SOLAR WATER RETURN PIPE
	DOMESTIC COLD WATER PIPE
	DOMESTIC HOT WATER PIPE
	DOMESTIC COLD WATER PIPE
	DOMESTIC HOT WATER RECIRC. PIPE
×	ISOLATION VALVE
対	CIRCUIT SETTER
4.	WYE STRAINER
И	CHECK VALVE
₩₹	PRESSURE RELIEF VALVE
×	ANTISCALD / TEMPERING VALVE
Ţ	TEMPERATURE SENSOR
- ⊘ P	PRESSURE GUAGE
-⊙⊺	TEMPERING GAUGE

- THIS IS A CONCEPTUAL DRAWING ONLY AND DOES NOT REPRESENT ALL SAFETY CONTROLS WHICH MAY BE REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFE INSTALLATION OF FUEL BURNING EQUIPMENT. THE DESIGNER MUST DETERMINE IF A SUGGESTED SYSTEM WILL WORK IN HIS/HER APPLICATION AND ADD THE NECESSARY ISOLATION VALVES, SAFETY DEVICES AND MODIFICATIONS WHICH MAY BE REQUIRED BY LOCAL AUTHORITIES.

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