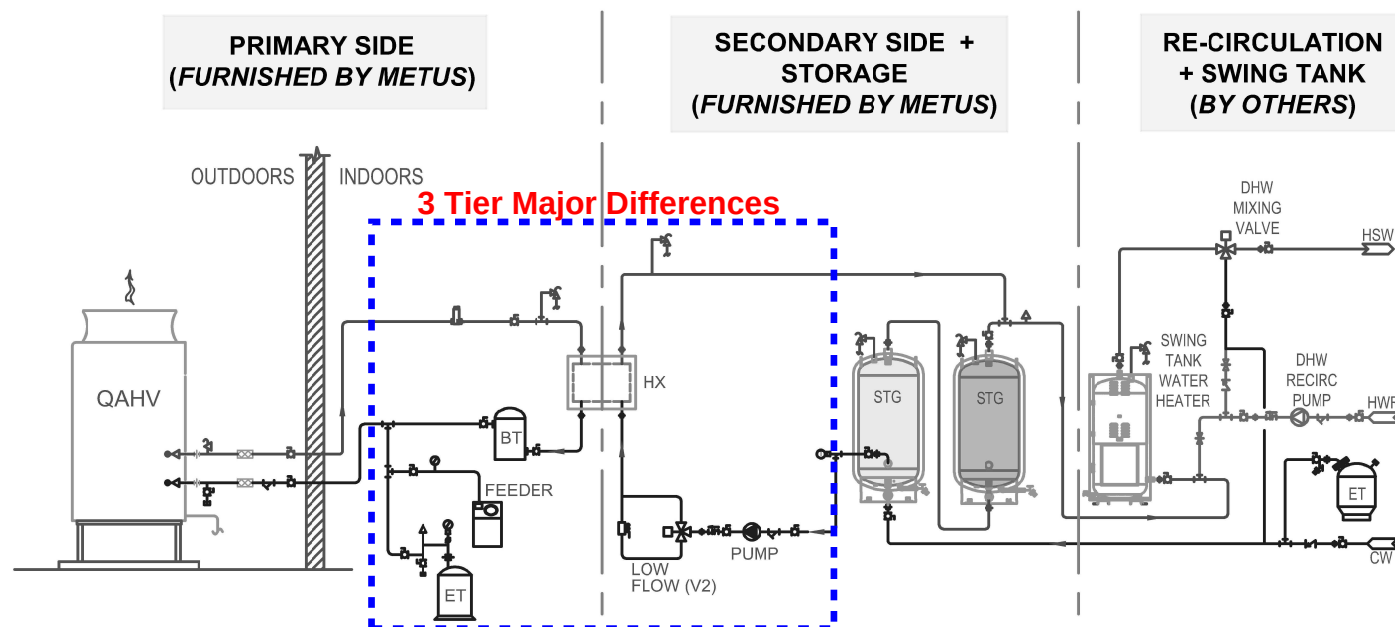


The new HEAT₂₀ Three tier offer provides flexibility to allow designers and owners to balance cost and performance by offering different control and field installation options. The majority of these options are centered around the pump/HX interface portion of the system which separates the QAHV closed loop hydronic side from the potable water side (dashed boundary below).



	HEAT ₂₀ CONNECT (SKID)	HEAT ₂₀ KIT (NO SKID)	HEAT ₂₀ Core
How It Ships	Pre Assembled SKID	Bundled Parts In Crate - Field Install	All Loose Parts - Field Install
Controls	Advanced/Flow Tracking	Advanced/Flow Tracking	Basic Controls
Equipment Cost	Highest	Higher	Lowest
Installation Time & Cost	Lowest	Highest	Moderate
New Double Wall HX (up to 30% PP Glyc)	YES	YES	YES
Ultra Low Flow Turndown	YES	YES	NO
Low ambient Maintained DWT - Note 1	-13 Deg F	-13 Deg F	0F
Flow Tracking For Optimal Efficiency	YES	YES	NO
Staging with lead/lag functions	YES	YES	YES
Individual Controllers Per HX/Pump	YES	YES	NO
Additional IO Controller Option	YES	YES	CUSTOM
Installer Wiring Expertise Level	MODERATE	ADVANCED	MODERATE/LOW
Control Panel Quantity (w/o Added IO)	1 Per QAHV + Sup	1 Per QAHV + Sup	1
Max Number Of QAHV Supported	16	16	16
Energy Calculation	YES	YES	CUSTOM
Onsite Programming Required	NO	NO	Minor - Pump

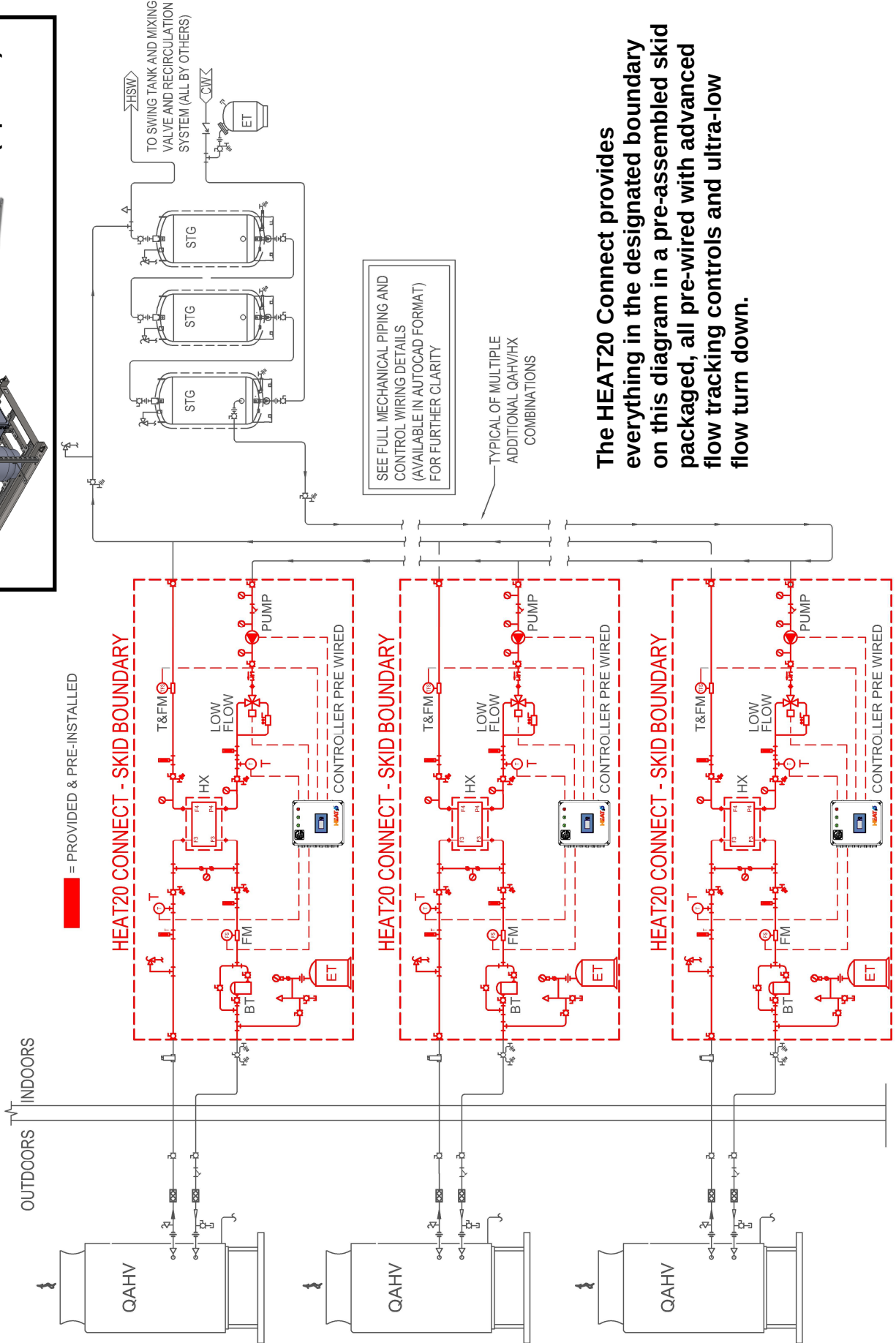
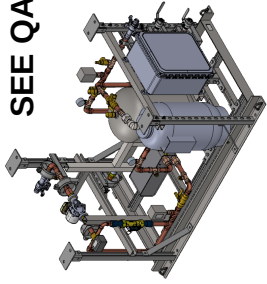
Note 1 - Ambient temperatures listed are general guidelines. Actual low ambient maintained leaving water temperature will depend on target LWT desired, ambient conditions, total derate with frost and glycol, and secondary pump balanced turndown. Consult with Mitsubishi representative for further guidance during design stage.

SEE QAHVCONNECT-1 Submittal

QAHV-TTC
(Required)
QAHV-SUP
(Optional)



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The HEAT20 Connect provides everything in the designated boundary on this diagram in a pre-assembled skid packaged, all pre-wired with advanced flow tracking controls and ultra-low flow turn down.

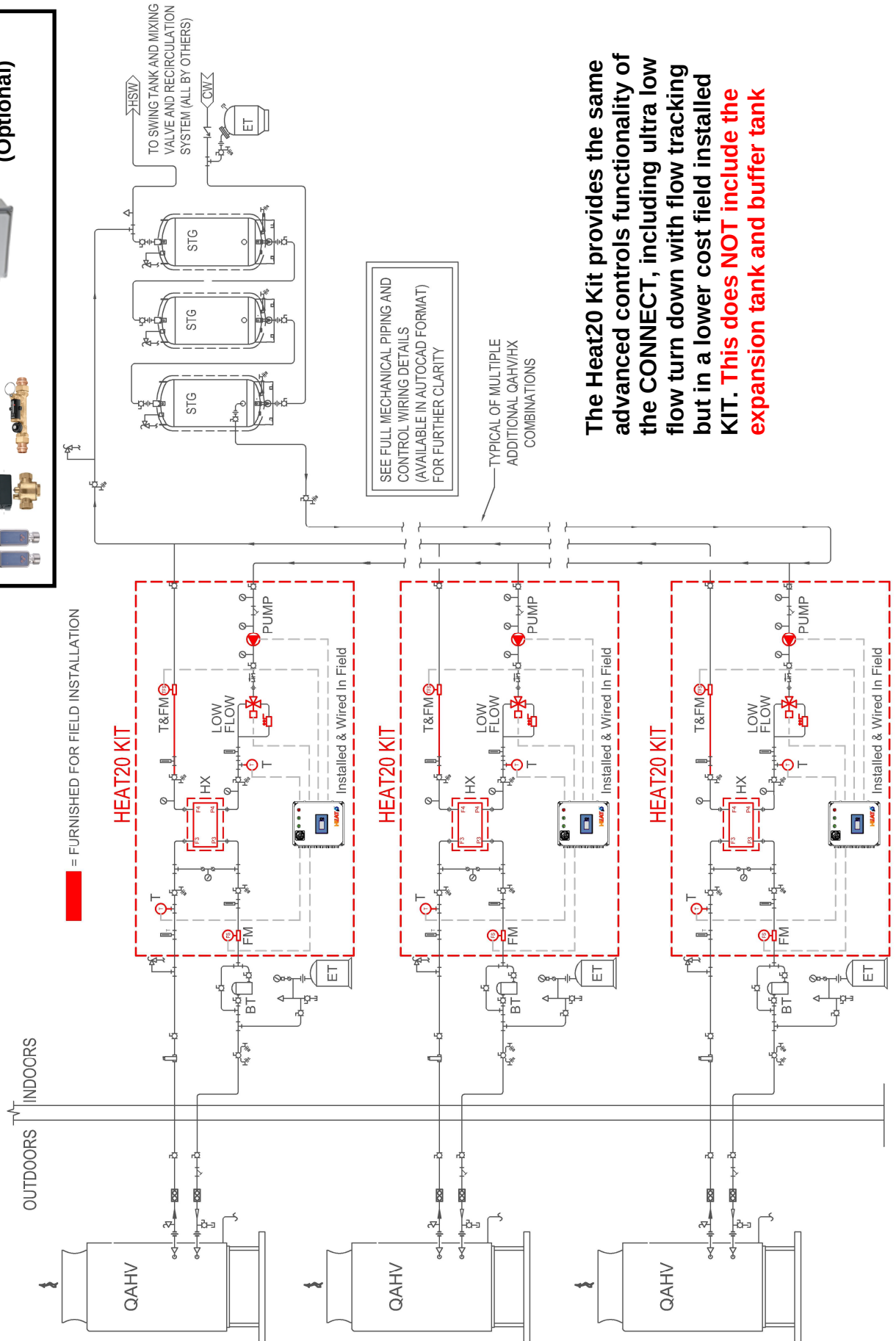
SEE QAHVKIT-1 Submittal



QAHV-TTC
(Required)
QAHV-SUP
(Optional)

+

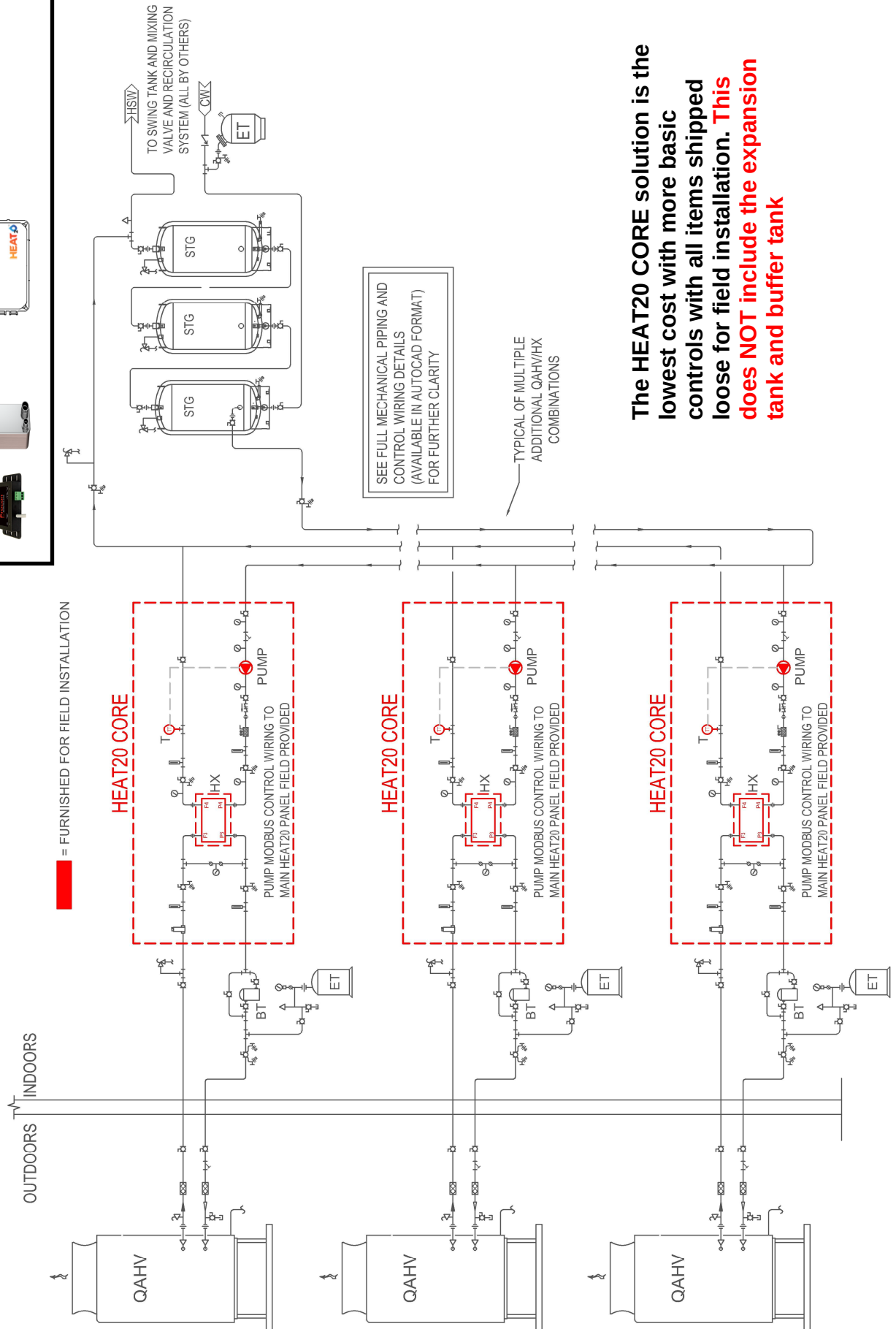
= FURNISHED FOR FIELD INSTALLATION



The Heat20 Kit provides the same advanced controls functionality of the CONNECT, including ultra low flow turn down with flow tracking but in a lower cost field installed KIT. **This does NOT include the expansion tank and buffer tank**

SEE "CORE" Summary Submittal

**QAHV-CONTROLS-2
(REQUIRED)**



The HEAT20 CORE solution is the lowest cost with more basic controls with all items shipped loose for field installation. **This does NOT include the expansion tank and buffer tank**