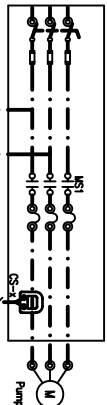


NO.	DESCRIPTION	DATE



Typical Pump Starter

100% Design
Review (REV 3)

STEAM TO HW
CONVERTER
WITH CV PUMPS

C-3.00

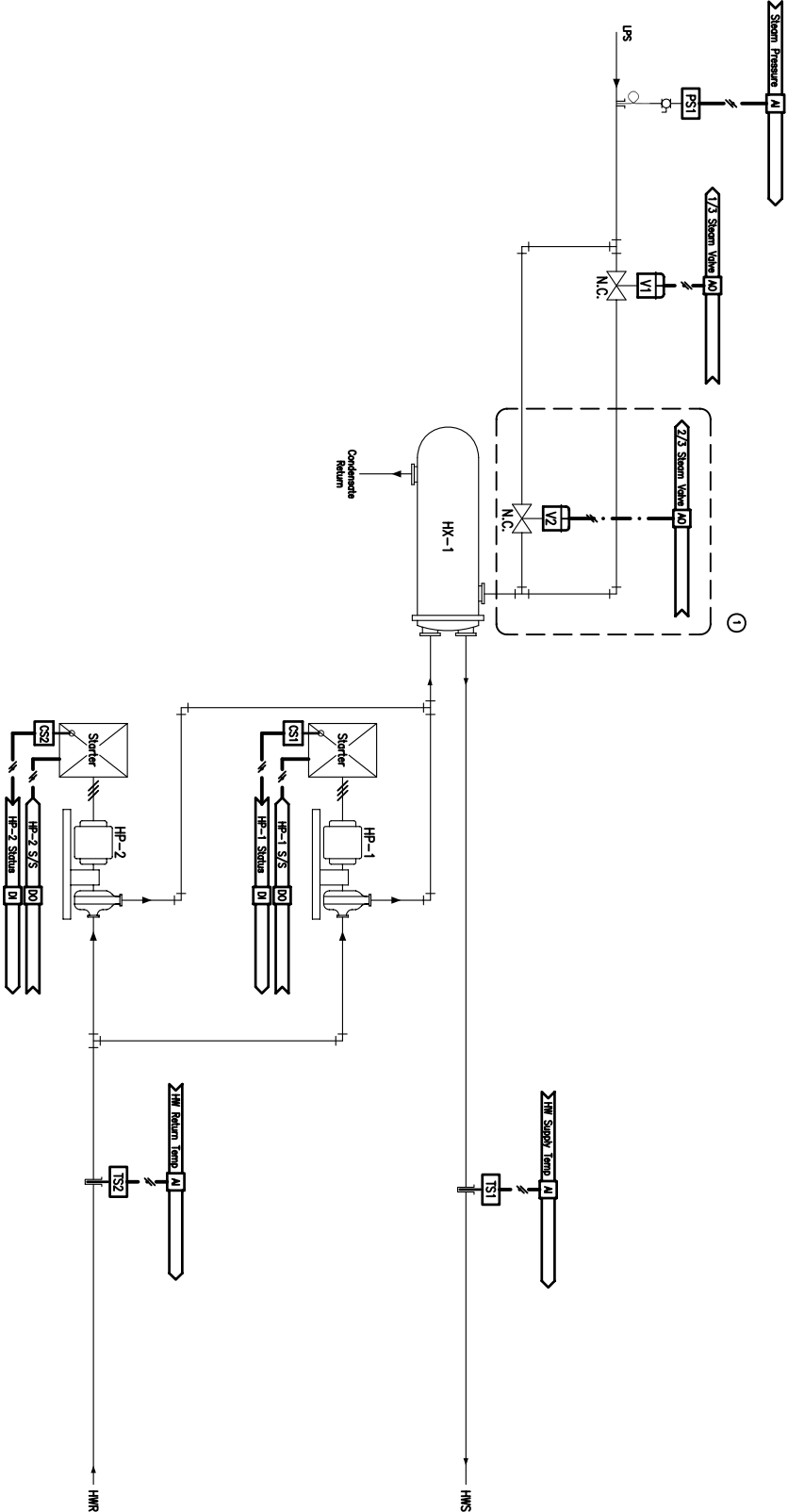
DWG NUMBER

POINTS LIST

ADDRESS	POINT DESCRIPTION	POINT TYPE DI AI DO AO IP	REMARKS
	1/3 Steam Valve		
	2/3 Steam Valve		See Note 1
	HP-1 S/S		
	HP-2 S/S		
	HP-2 Status		
	HW Supply Temp		
	HW Return Temp		
	Steam Pressure		

LOGIC VARIABLES

BINARY	ANALOG	DESCRIPTION
[S2SD]		ON WHEN HEATING SYSTEM IS ENABLED
[P2PF]		ON WHEN PUMP 2 STATUS IS PROVEN
[P2FL]		ON WHEN PUMP 2 PROOF HAS FAILED
[FLOW]		ON WHEN ENTER PUMP IS PROVEN
[FX]		ON WHEN PUMP 2 IS COMMAND TO RUN
[OAT]		VARIABLE VALUE OF OUTDOOR AIR TEMPERATURE
[HNS2]		VARIABLE VALUE OF PUMP 2 RUNNING (HVAL)
[HNS2]		VARIABLE CALCULATED VALUE OF HOT WATER SUPPLY TEMPERATURE SETPOINT
[HNS2]		VARIABLE VALUE OF HOT WATER SUPPLY TEMPERATURE



NOTES

1. Include 2/3 valve control only per mechanical design.
Typical control will be single steam valve.

STEAM TO HW CONVERTER WITH CV PUMPS

