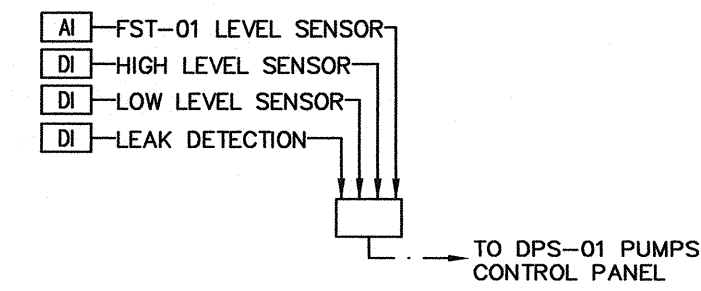


## FUEL SYSTEM SCHEMATICS

### PIPING AND CONTROLS SCHEMATICS

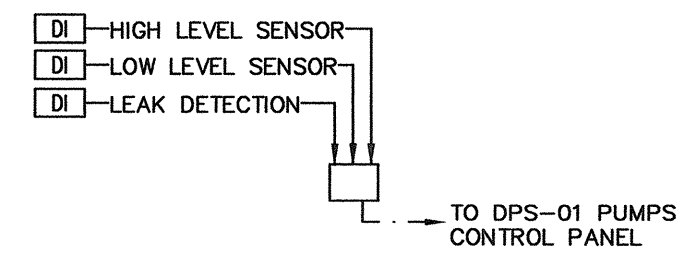
#### FST-01 CONTROLS



#### NOTES:

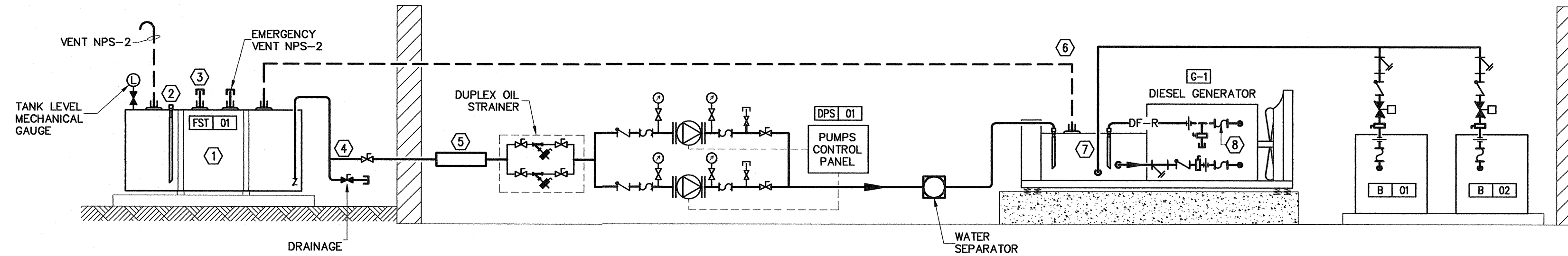
- 1 DOUBLE WALL MAIN FUEL STORAGE TANK
- 2 FST-01 FILL/VENT CONNECTION C/W LOCKING CAP (NPS-2)
- 3 FST-01 INSPECTION PORT
- 4 FUEL SUPPLY LINE TO GENERATOR'S DAY TANK (ALL NPS-3)
- 5 FUEL OIL WARMING PIPE
- 6 FUEL VENT LINE FROM GENERATOR'S DAY TANK (ALL NPS-1 1/2)
- 7 GENERATOR'S DAY TANK
- 8 STAINLESS STEEL FLEXIBLE CONNECTION, CONNECT TO FUEL SUPPLY AND RETURN CONNECTIONS ON ENGINE.

#### DAY TANK CONTROLS

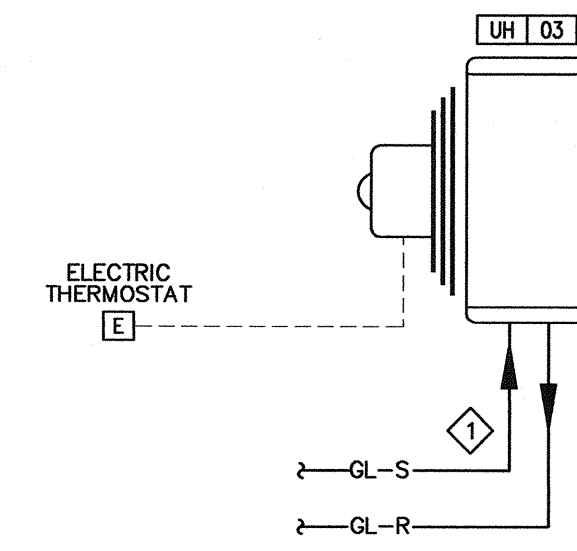


#### GENERAL NOTE:

THE SCHEMATIC DRAWING SHOWS DETAILS OF THE CONTROLS LAYOUT, EQUIPMENT CONNECTIONS AND PIPING COMPONENTS OF THE SYSTEM. REFER TO DRAWING M3 FOR DETAILS ON THE PIPING LAYOUT AND LOCATION OF EQUIPMENT.



## MISC. CONTROLS



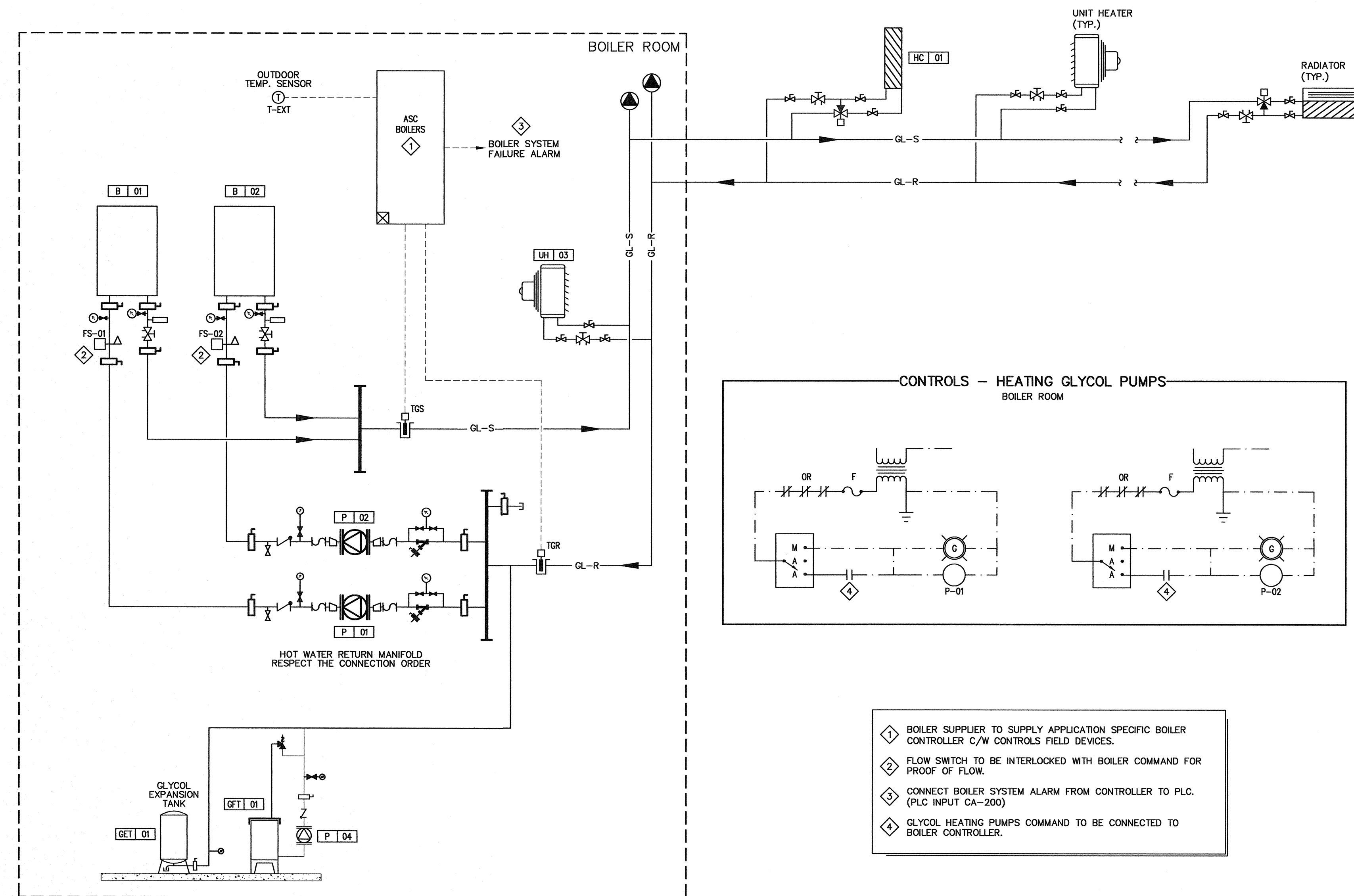
#### BOILER ROOM CONTROL - UNIT HEATER

REFER TO MECHANICAL PLANS AND SPECIFICATIONS FOR LOCATION.

- 1 REFER TO THE HEATING GLYCOL SYSTEM'S HYDRAULIC DIAGRAM ON DRAWING M7 FOR DETAILS ON THE CONNECTION OF THE UNIT TO THE HEATING GLYCOL SYSTEM.

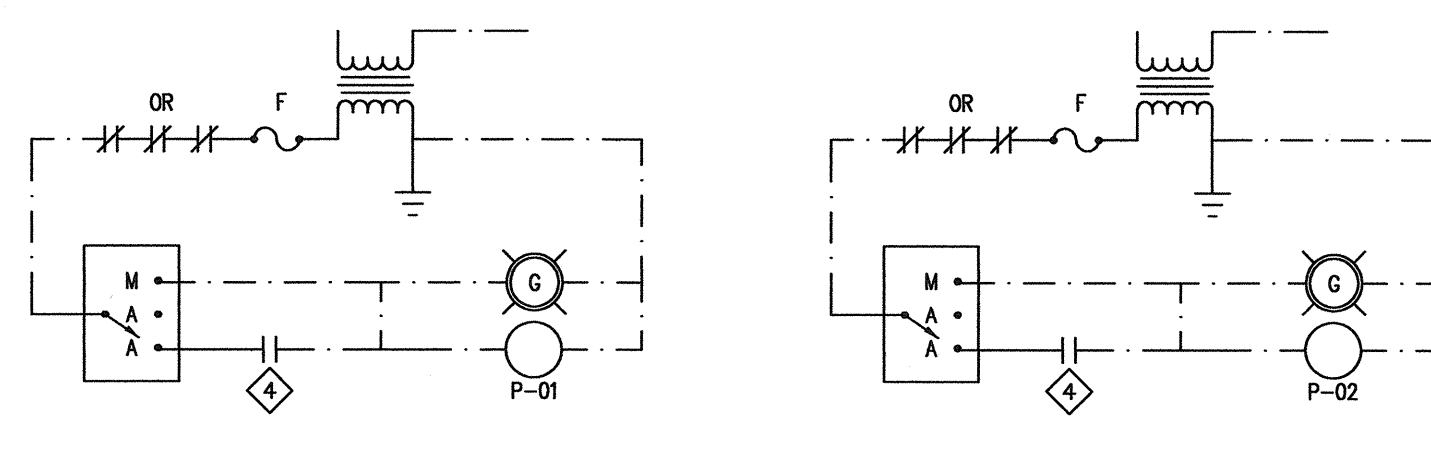
## HEATING GLYCOL SYSTEM

### HYDRAULIC DIAGRAM



#### CONTROLS - HEATING GLYCOL PUMPS

##### BOILER ROOM



- 1 BOILER SUPPLIER TO SUPPLY APPLICATION SPECIFIC BOILER CONTROLLER C/W CONTROLS FIELD DEVICES.
- 2 FLOW SWITCH TO BE INTERLOCKED WITH BOILER COMMAND FOR PROOF OF FLOW.
- 3 CONNECT BOILER SYSTEM ALARM FROM CONTROLLER TO PLC. (PLC INPUT CA-200)
- 4 GLYCOL HEATING PUMPS COMMAND TO BE CONNECTED TO BOILER CONTROLLER.

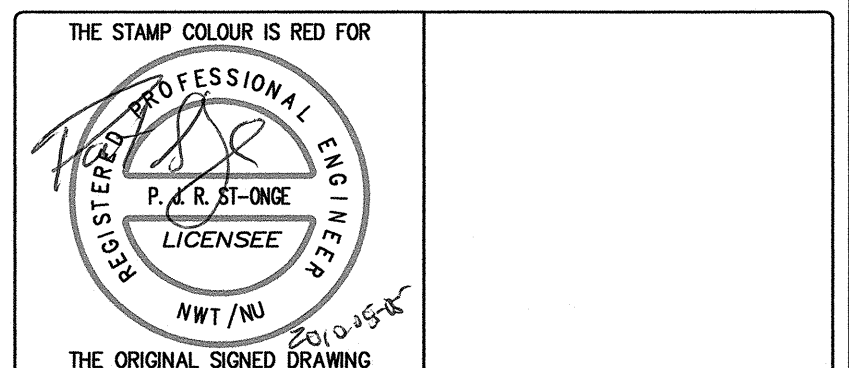
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Consulting Engineers

No.	DESCRIPTION	DATE	BY	APP'D
1	ISSUED FOR CONSTRUCTION	05/04/10	WBEP	P.S.O.
0	ISSUED FOR TENDER	06/19/09	WBEP	P.S.O.

#### REVISIONS



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CLIENT  
CITY OF IQALUIT

PROJECT  
LIFT STATION No. 2 MODIFICATIONS

TITLE  
MECHANICAL CONTROLS SCHEMATICS AND HYDRAULIC DIAGRAMS

design by	L.P.	project no.	OTCD00019365A
drawn by	L.P.	drawing no.	M7
checked by	G.M.		
date	05/04/2010		
scale	NOT TO SCALE		