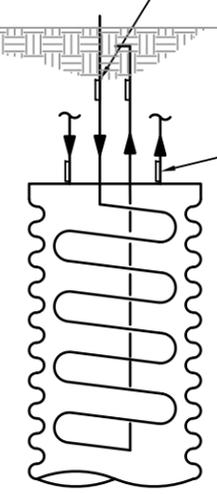
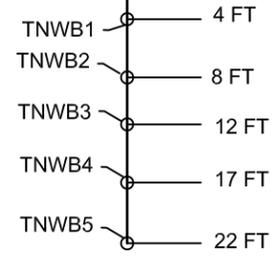
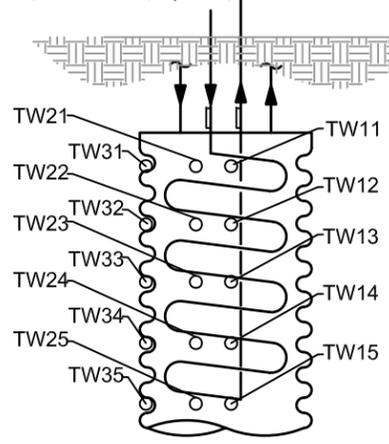


1 FIRST FLOOR MONITORING PLAN

- TW11 (degF) Temp, Soil, Wet Bore 4, Column 1 (innermost) , Point 1 (topmost)
- TW12 (degF) Temp, Soil, Wet Bore 4, Column 1, Point 2
- TW13 (degF) Temp, Soil, Wet Bore 4, Column 1, Point 3
- TW14 (degF) Temp, Soil, Wet Bore 4, Column 1, Point 4
- TW15 (degF) Temp, Soil, Wet Bore 4, Column 1, Point 5
- TW21 (degF) Temp, Soil, Wet Bore 4, Column 2, Point 1
- TW22 (degF) Temp, Soil, Wet Bore 4, Column 2, Point 2
- TW23 (degF) Temp, Soil, Wet Bore 4, Column 2, Point 3
- TW24 (degF) Temp, Soil, Wet Bore 4, Column 2, Point 4
- TW25 (degF) Temp, Soil, Wet Bore 4, Column 2, Point 5
- TW31 (degF) Temp, Soil, Wet Bore 4, Column 3, Point 1
- TW32 (degF) Temp, Soil, Wet Bore 4, Column 3, Point 2
- TW33 (degF) Temp, Soil, Wet Bore 4, Column 3, Point 3
- TW34 (degF) Temp, Soil, Wet Bore 4, Column 3, Point 4
- TW35 (degF) Temp, Soil, Wet Bore 4, Column 3, Point 5

- TNWB1 (degF) Temp, Soil, Near Wet Bores 3 and 4, Point 1 (topmost)
- TNWB2 (degF) Temp, Soil, Near Wet Bores 3 and 4, Point 2
- TNWB3 (degF) Temp, Soil, Near Wet Bores 3 and 4, Point 3
- TNWB4 (degF) Temp, Soil, Near Wet Bores 3 and 4, Point 4
- TNWB5 (degF) Temp, Soil, Near Wet Bores 3 and 4, Point 5

- TW#SS / TW#SR
TYP. OF 4 EA.
@ WET BORES
- TW1SS (degF) Temp, Wet Bore1, Source Supply
- TW1SR (degF) Temp, Wet Bore1, Source Return
- TW2SS (degF) Temp, Wet Bore2, Source Supply
- TW2SR (degF) Temp, Wet Bore2, Source Return
- TW3SS (degF) Temp, Wet Bore3, Source Supply
- TW3SR (degF) Temp, Wet Bore3, Source Return
- TW4SS (degF) Temp, Wet Bore4, Source Supply
- TW4SR (degF) Temp, Wet Bore4, Source Return



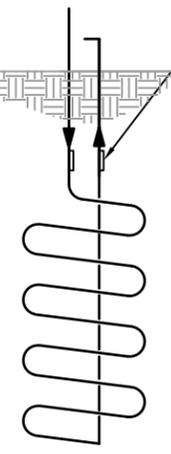
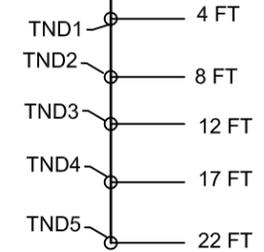
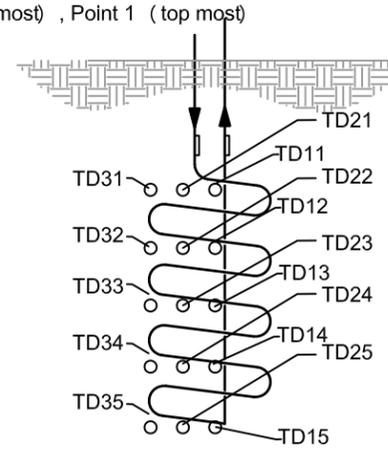
- TW#GS / TW#GR
TYP. OF 4 EA.
@ WET BORES
- TW1GS (degF) Temp, Wet Bore1, Greywater Supply
- TW1GR (degF) Temp, Wet Bore1, Greywater Return
- TW2GS (degF) Temp, Wet Bore2, Greywater Supply
- TW2GR (degF) Temp, Wet Bore2, Greywater Return
- TW3GS (degF) Temp, Wet Bore3, Greywater Supply
- TW3GR (degF) Temp, Wet Bore3, Greywater Return
- TW4GS (degF) Temp, Wet Bore4, Greywater Supply
- TW4GR (degF) Temp, Wet Bore4, Greywater Return

WET LOOP BORES

- TD11 (degF) Temp, Soil, Dry Bore 1, Column 1 (inner most) , Point 1 (top most)
- TD12 (degF) Temp, Soil, Dry Bore 1, Column 1, Point 2
- TD13 (degF) Temp, Soil, Dry Bore 1, Column 1, Point 3
- TD14 (degF) Temp, Soil, Dry Bore 1, Column 1, Point 4
- TD15 (degF) Temp, Soil, Dry Bore 1, Column 1, Point 5
- TD21 (degF) Temp, Soil, Dry Bore 1, Column 2, Point 1
- TD22 (degF) Temp, Soil, Dry Bore 1, Column 2, Point 2
- TD23 (degF) Temp, Soil, Dry Bore 1, Column 2, Point 3
- TD24 (degF) Temp, Soil, Dry Bore 1, Column 2, Point 4
- TD25 (degF) Temp, Soil, Dry Bore 1, Column 2, Point 5
- TD31 (degF) Temp, Soil, Dry Bore 1, Column 3, Point 1
- TD32 (degF) Temp, Soil, Dry Bore 1, Column 3, Point 2
- TD33 (degF) Temp, Soil, Dry Bore 1, Column 3, Point 3
- TD34 (degF) Temp, Soil, Dry Bore 1, Column 3, Point 4
- TD35 (degF) Temp, Soil, Dry Bore 1, Column 3, Point 5

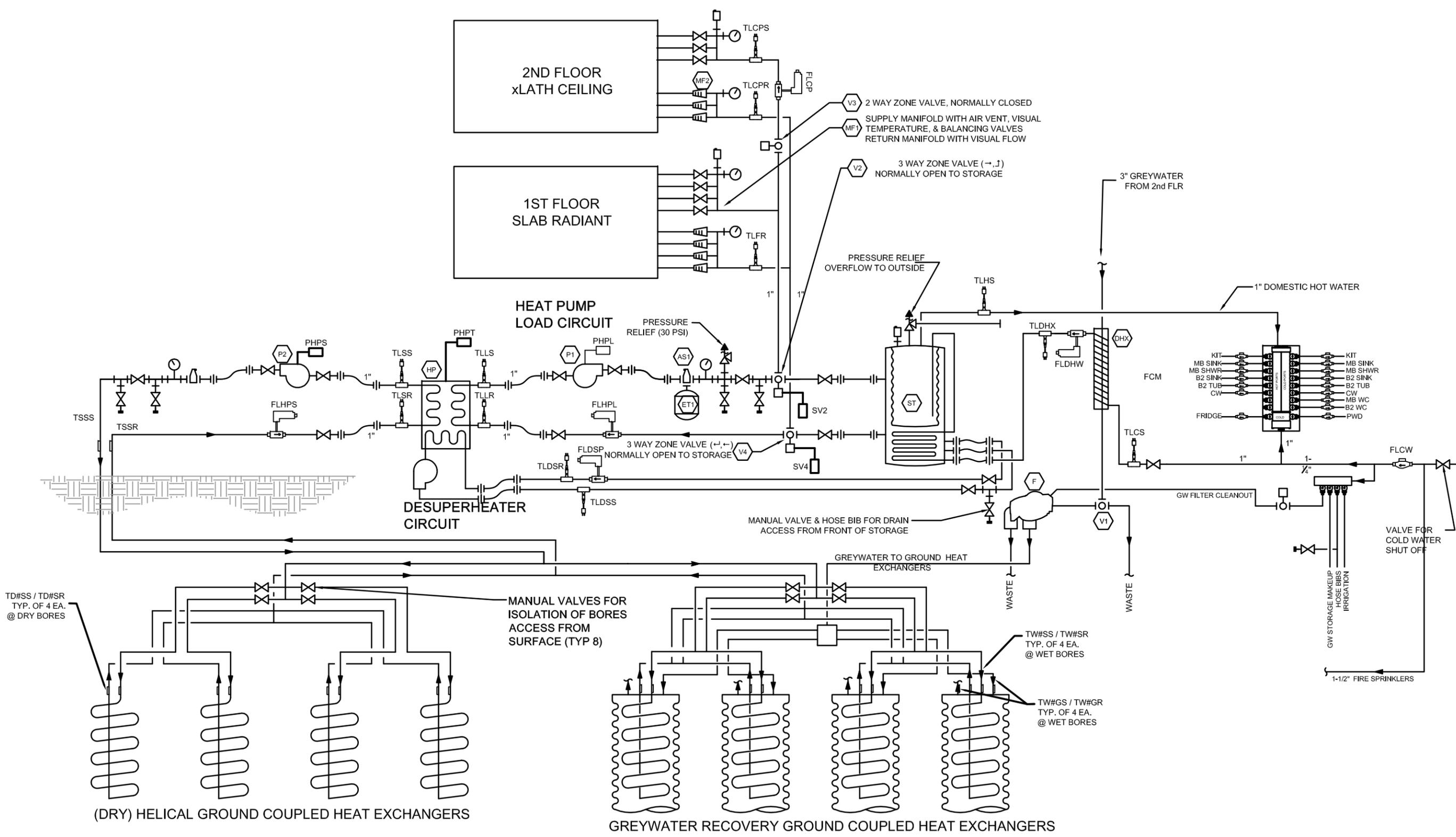
- TND1 (degF) Temp, Soil, Near Dry Bores 1 and 2, Point 1 (top most)
- TND2 (degF) Temp, Soil, Near Dry Bores 1 and 2, Point 2
- TND3 (degF) Temp, Soil, Near Dry Bores 1 and 2, Point 3
- TND4 (degF) Temp, Soil, Near Dry Bores 1 and 2, Point 4
- TND5 (degF) Temp, Soil, Near Dry Bores 1 and 2, Point 5

- TD#SS / TD#SR
TYP. OF 4 EA.
@ DRY BORES
- TD1SS (degF) Temp, Dry Bore1, Source Supply
- TD1SR (degF) Temp, Dry Bore1, Source Return
- TD2SS (degF) Temp, Dry Bore2, Source Supply
- TD2SR (degF) Temp, Dry Bore2, Source Return
- TD3SS (degF) Temp, Dry Bore3, Source Supply
- TD3SR (degF) Temp, Dry Bore3, Source Return
- TD4SS (degF) Temp, Dry Bore4, Source Supply
- TD4SR (degF) Temp, Dry Bore4, Source Return



DRY BORES

GROUND LOOP MONITORING SCHEMATIC



TD#SS / TD#SR
TYP. OF 4 EA.
@ DRY BORES

(DRY) HELICAL GROUND COUPLED HEAT EXCHANGERS

MANUAL VALVES FOR
ISOLATION OF BORES
ACCESS FROM
SURFACE (TYP 8)

GREYWATER RECOVERY GROUND COUPLED HEAT EXCHANGERS

TW#SS / TW#SR
TYP. OF 4 EA.
@ WET BORES

TW#GS / TW#GR
TYP. OF 4 EA.
@ WET BORES

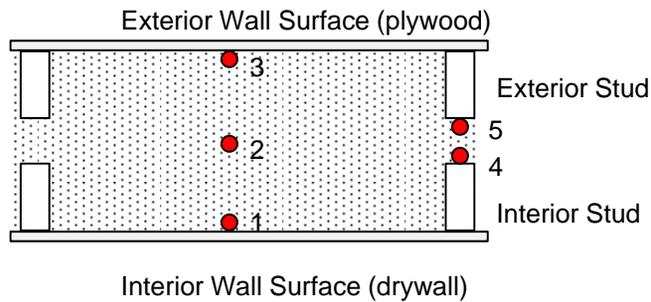
3 MONITORING HYDRONIC SCHEMATIC

SCALE: NONE

Wall and Ceiling Cavity Temperature Sensor Conceptual Schematic (sensors indicated by red dots)

Wall Assembly Temperature Sensors

TNW1~5: North Wall
TSW1~5: South Wall



Ceiling/Wall Radiant Panel Temp Sensors

TMW1~6: Master Bed Wall
TMC1~6: Master Bed Ceiling
TSC1~6: Study Ceiling

