MAPPING 1:5000

Hot spring
Surface water
Fault line
Main Soviet road network

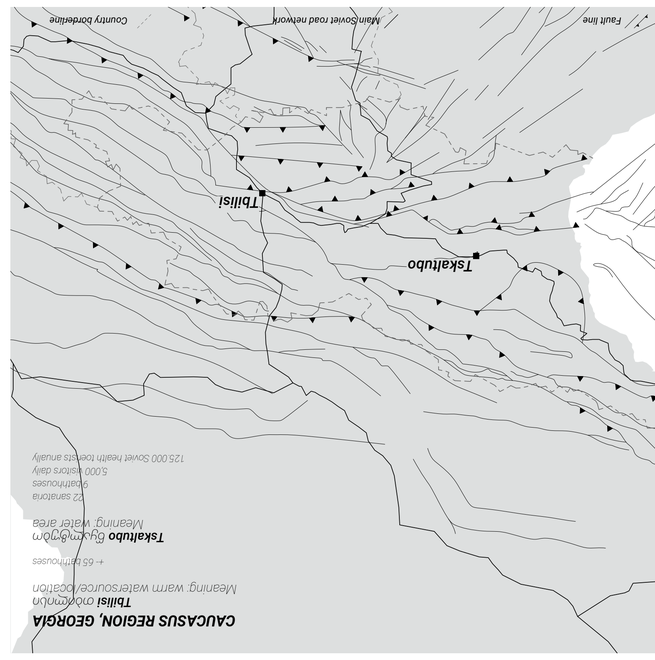
CAUCASUS REGION, GEORGIA

Tbilisi ობიექტი
Meaning: warm watersource/location

+- 65 farmhouses

Tskaltubo ცხალტუბო
Meaning: water area

22 sanatoria
9 farmhouses
5.000 visitors daily
125.000 Soviet health tourists anually



TBILISI

I. Lisi-Saburtalo thermal water deposit
60° - 70°C (deeper in ground)

II. Central thermal water deposit
Heating purpose (H_2S)
Hydrogen-sulfide mineralisation 0,4 - 1,0 g/l
40° - 50°C

III. Samgori-Sartichala-Teleti oilfield

LEFT BANK MTKVARI, AVLABARI

Gogilo Abano გოგილოს აბანო
Located on a rock massif between Ketevan Tzamuli Avenue and the Kura River and consists out of several buildings.

1980 reconstruction by architect Kavlashvili, R. Klkinadze, G. Abuladze.

Floor: porous stone tiles (heated)
Wall: Georgian bricks and plaster

GOGILO ABANO

Sulphur water

Alkaline
Sulfate-Chloride-Carbonate
Hydrogen Sulfide

COLD PLUNGE.

ABOVE GROUND, +731 m 5-10°C SWIM AND SUNBATHING PLATFORMS SPRING (MAR–MAY) WATERLEVEL RISING DUE TO SNOWMELT

1:5 TECHNICAL DETAIL

1:20 ISOMETRIC DETAIL

1:50 SECTION DRESSING ROOM

1:50 SECTION STEAM ROOM

1:50 SECTION HOT BATH

1:50 SECTION WARM BATH

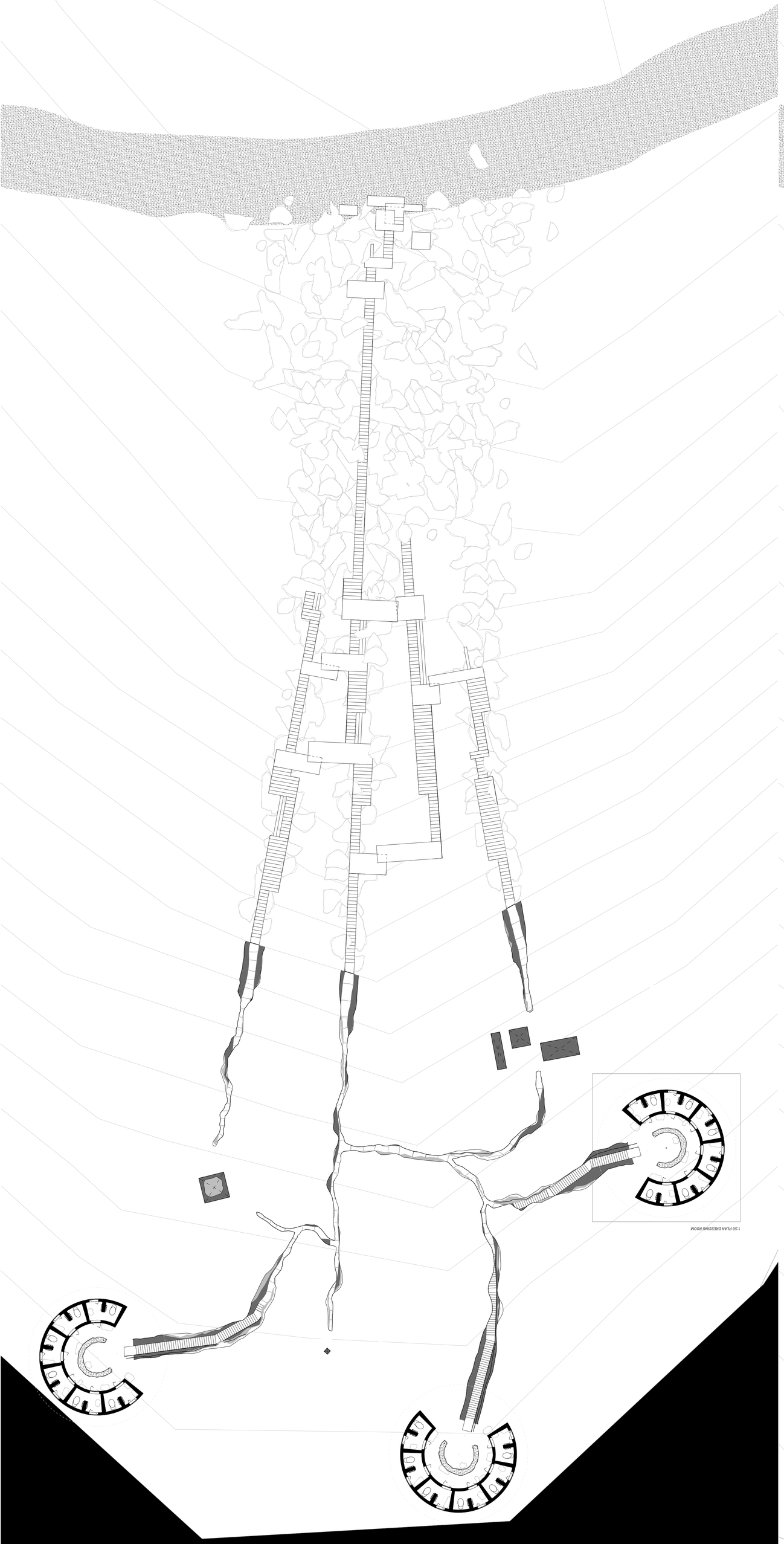
1:20 ISOMETRIC DETAIL

1:5 TECHNICAL DETAIL

SITE PLAN **1:5000** AND SECTION **1:500**

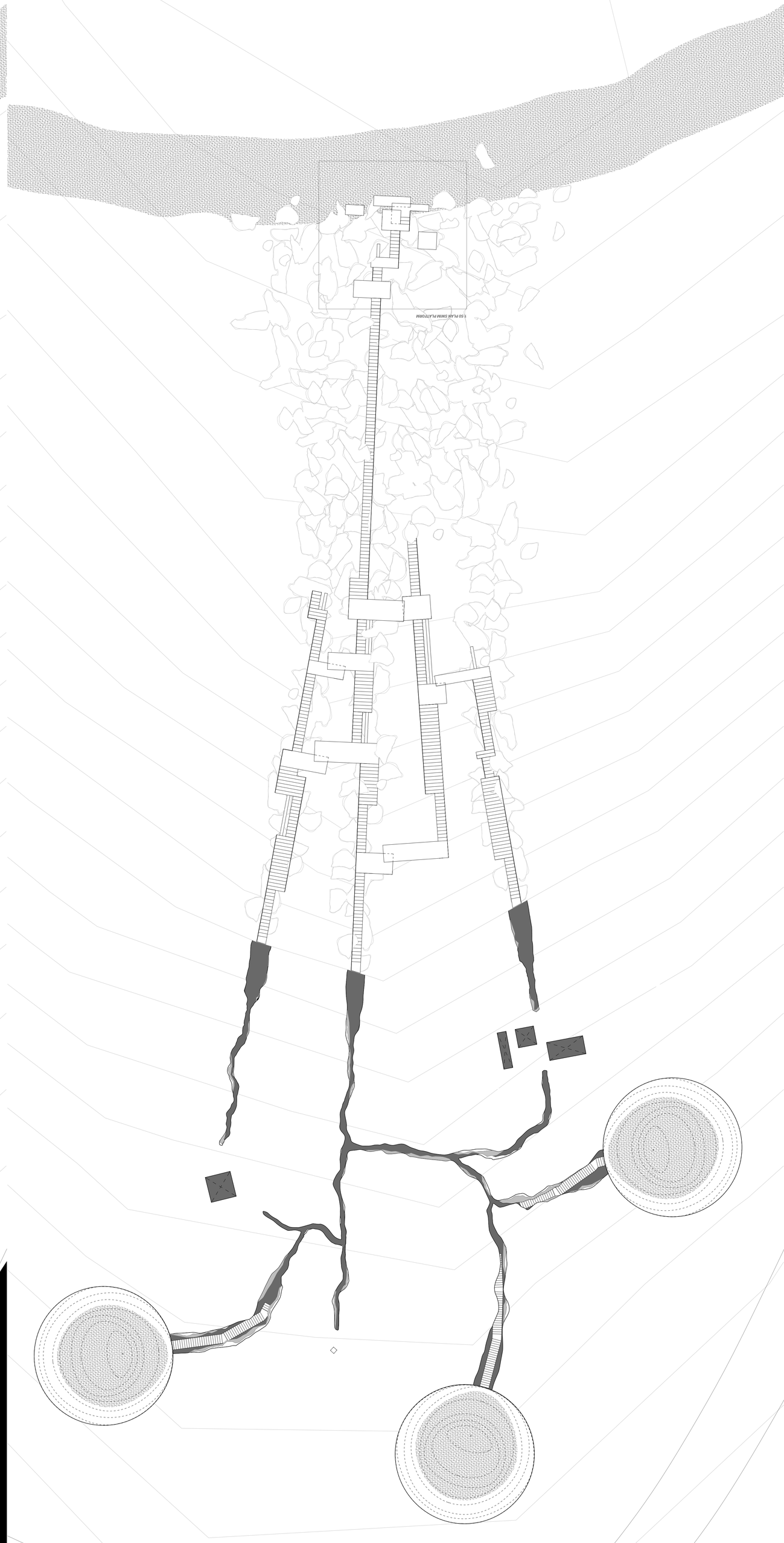
FLOORPLAN AND SECTION **1:50**

FLOORPLAN -1 **1:200**



1:50 PLAN DRESSING ROOM

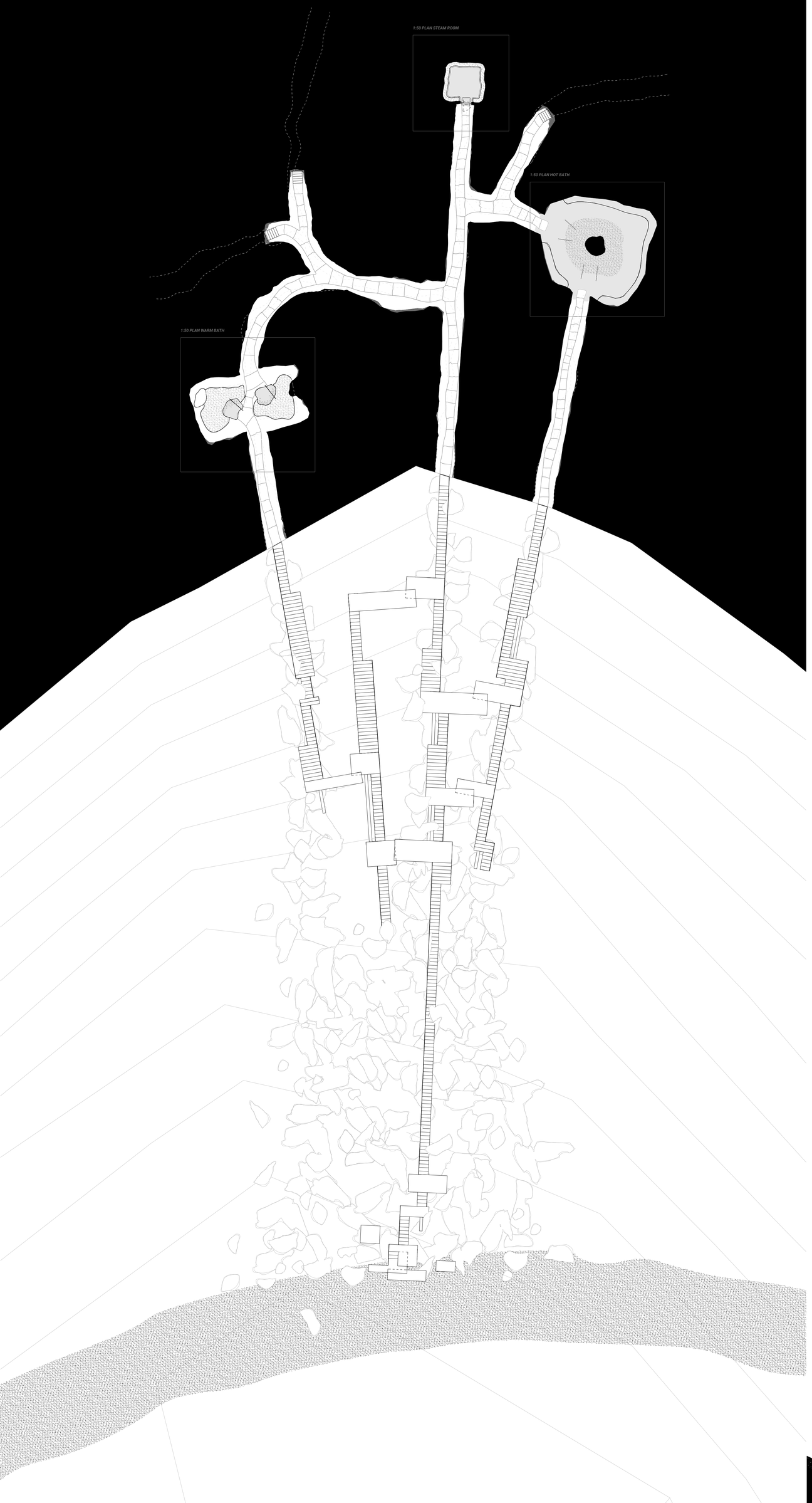
FLOORPLAN 0 **1:200**

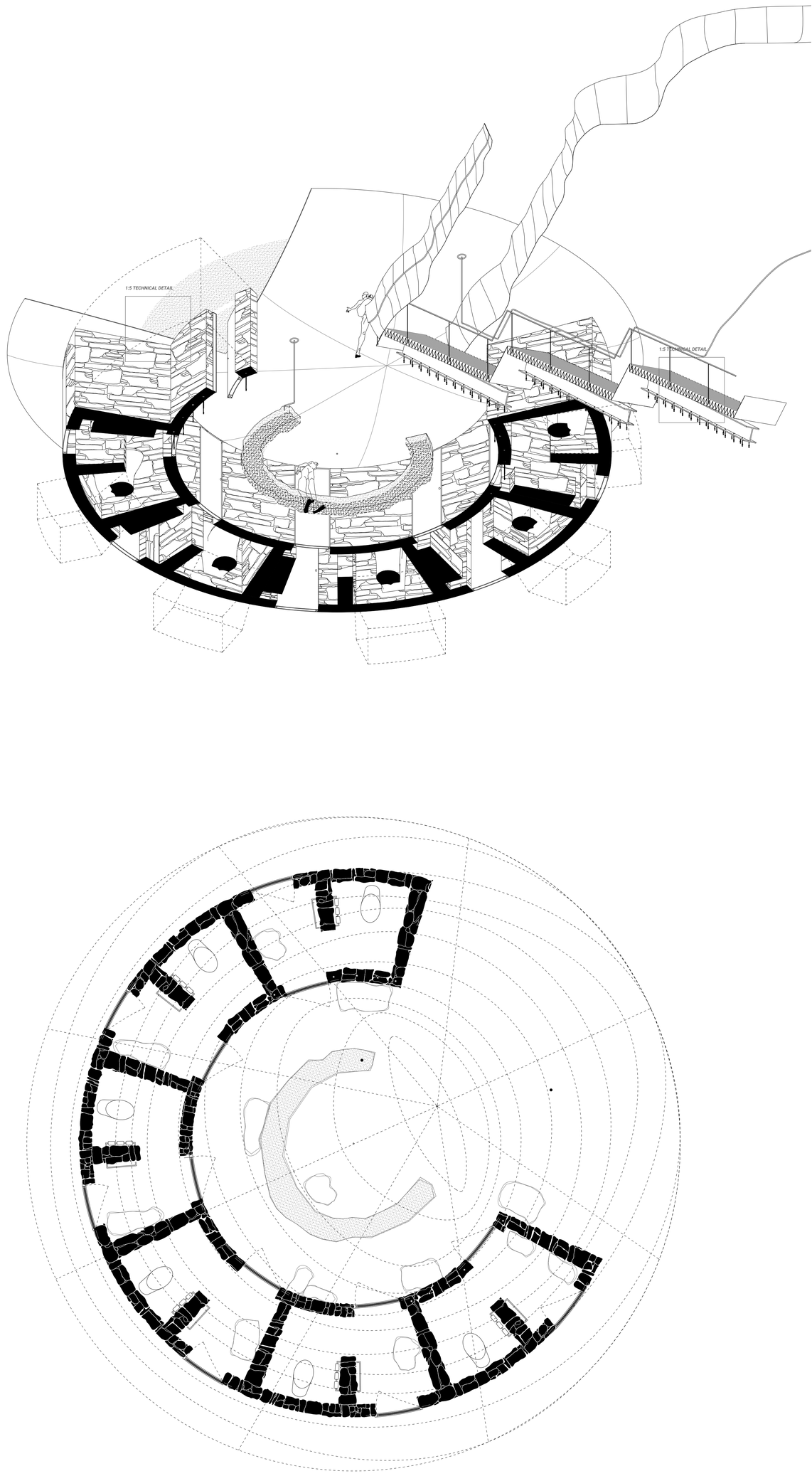


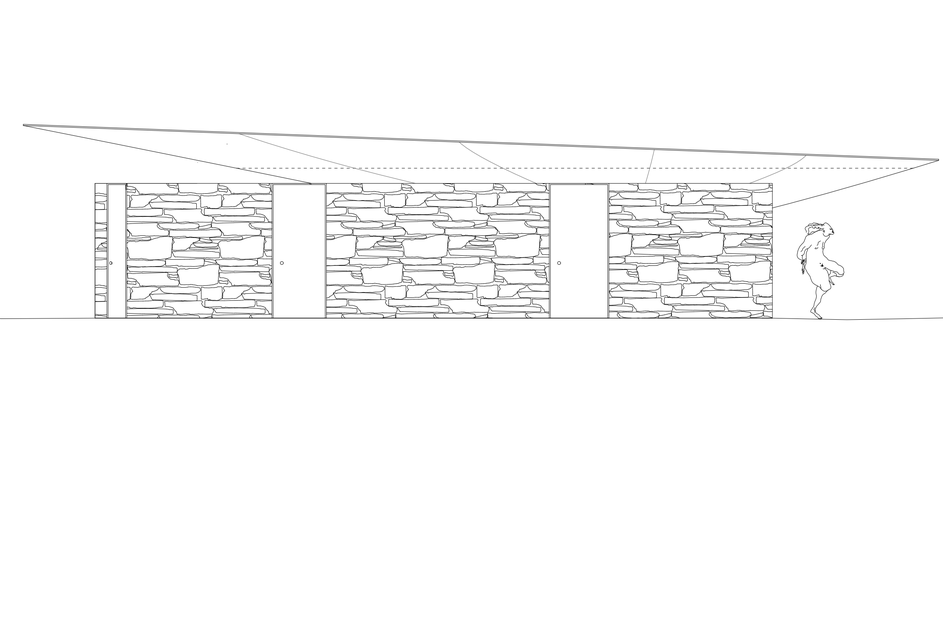
1:50 PLAN SWIM PLATFORM

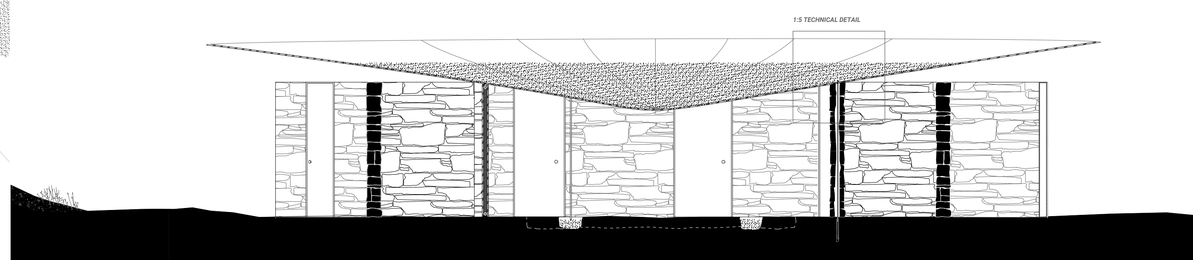
DRESSING ROOM.

ABOVE GROUND, +778 m OUTSIDE TEMPERATURE RAINWATER DISK PERCIPATION DEC.-FEB.: 180 mm MAR.-MAY: 280 mm JUN.-AUG.: 230 mm SEP.-NOV.: 150 mm









FLOORPLAN -2 **1:200**

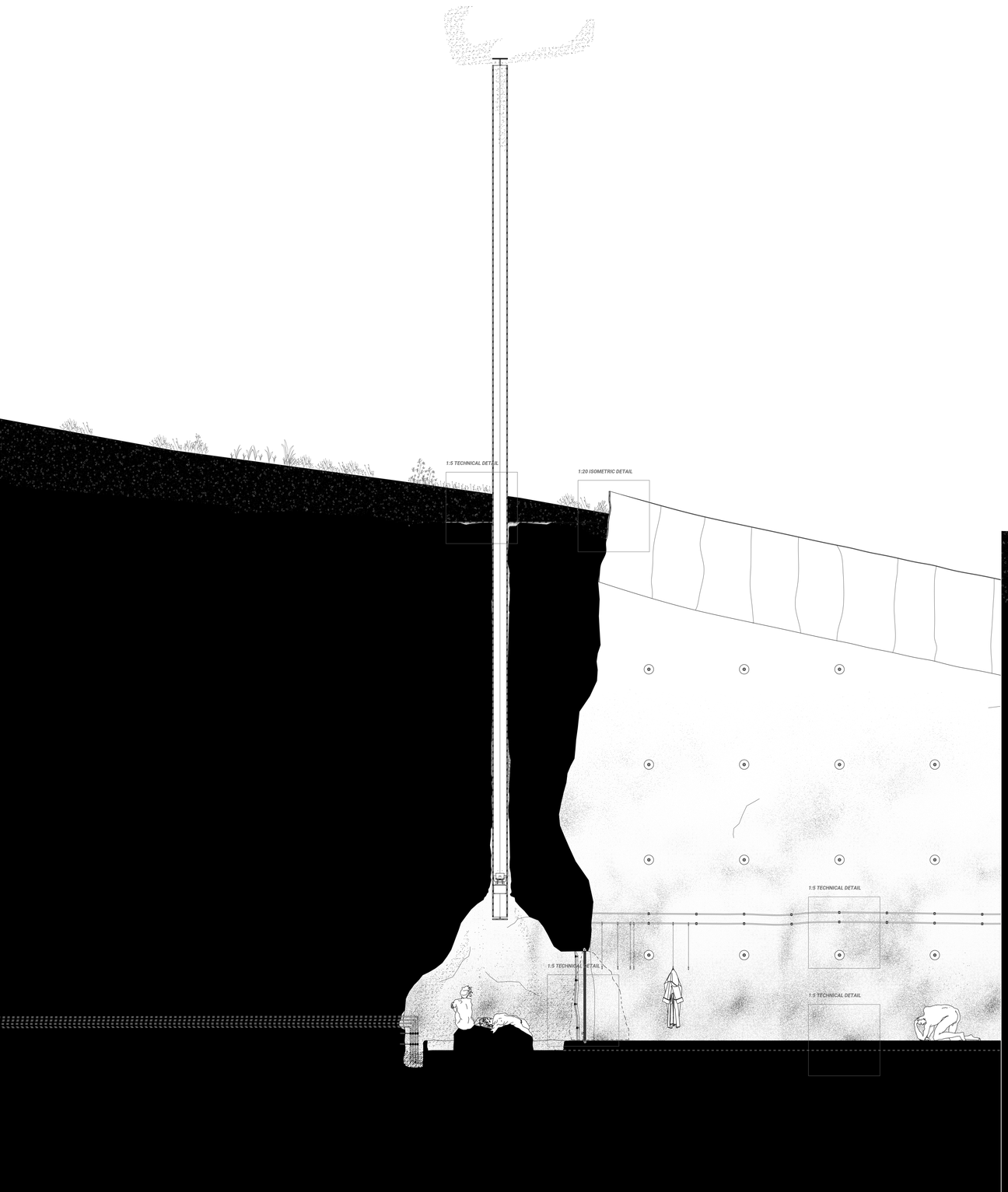
FLOORPLAN, ELEVATION, SECTION AND CHOISY PERSPECTIVE **1:50**

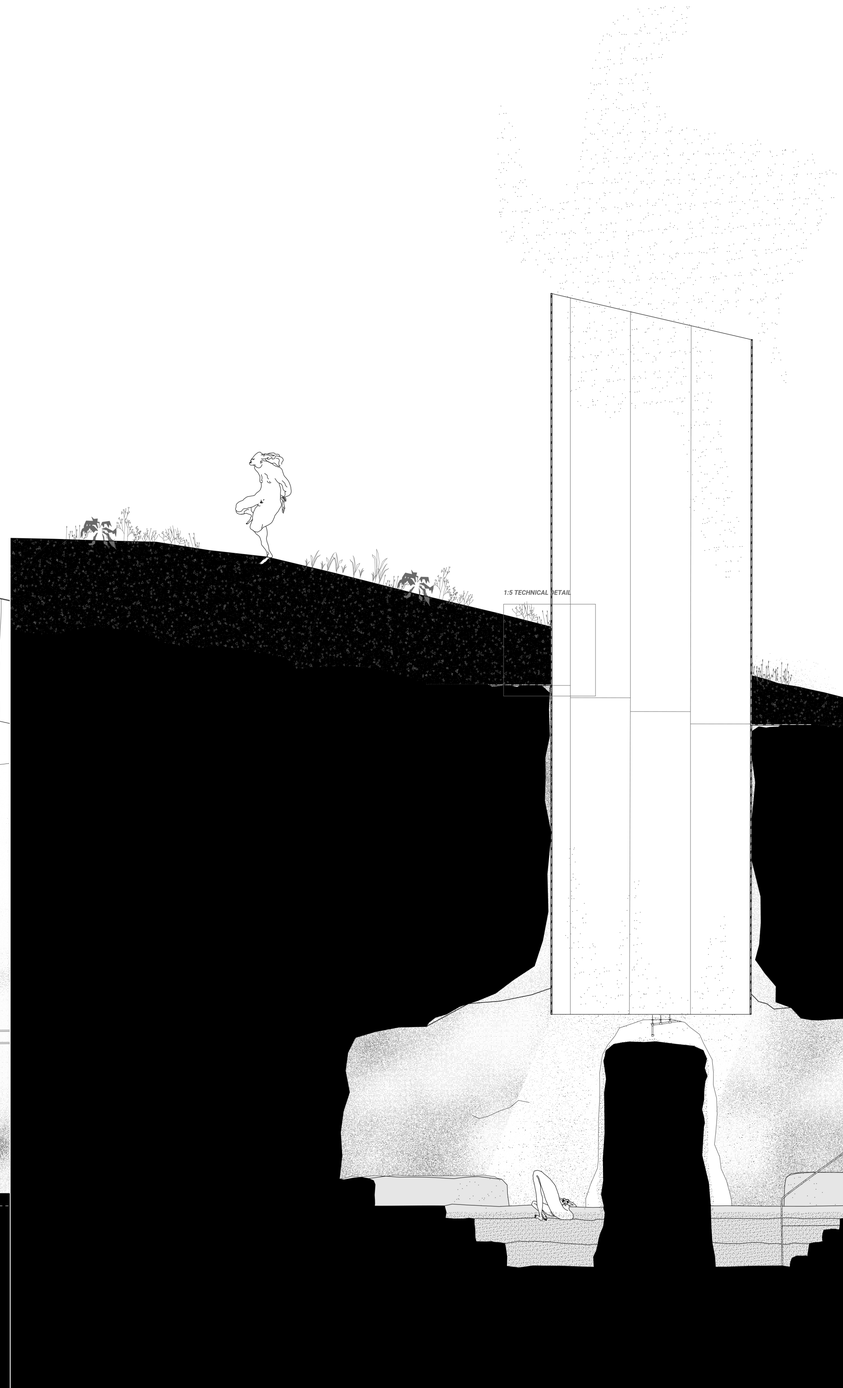
STEAM ROOM.

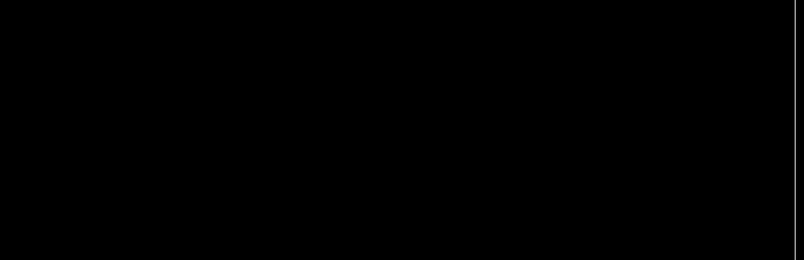
-9 METER UNDERGROUND | 40–50°C | 100% HUMIDITY | STEAM CHIMNEY | CANDLE LIGHT | HEAT GENERATED BY RUNNING HOT COPPER PIPES IN WATER

HOT BATH.

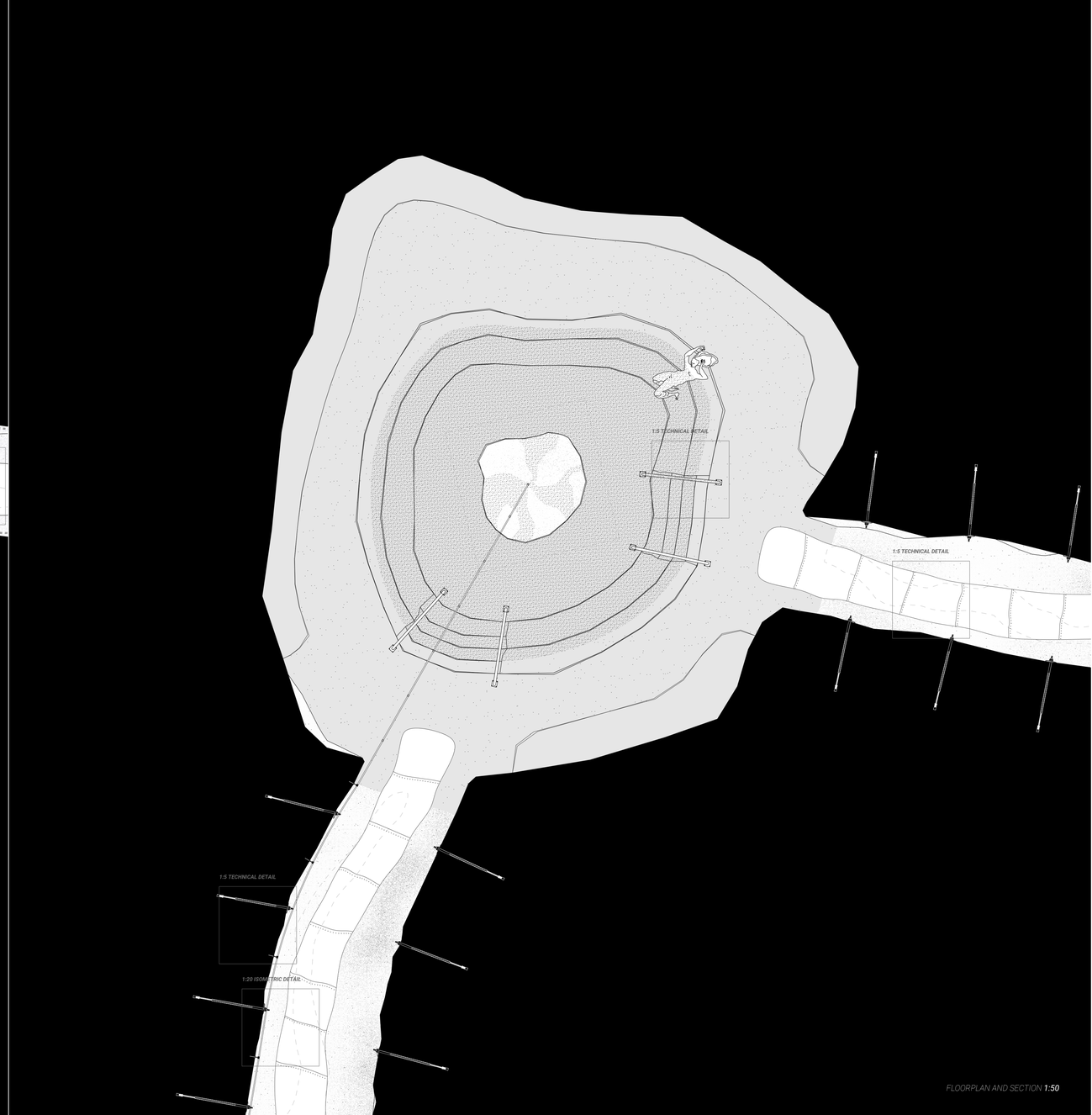
-6 METER UNDERGROUND | 40–42°C | CENTRAL SKYLIGHT | HOT SULPHUR WATER RUNS OVER SANDSTONE PILLAR IN LOWERED BATH







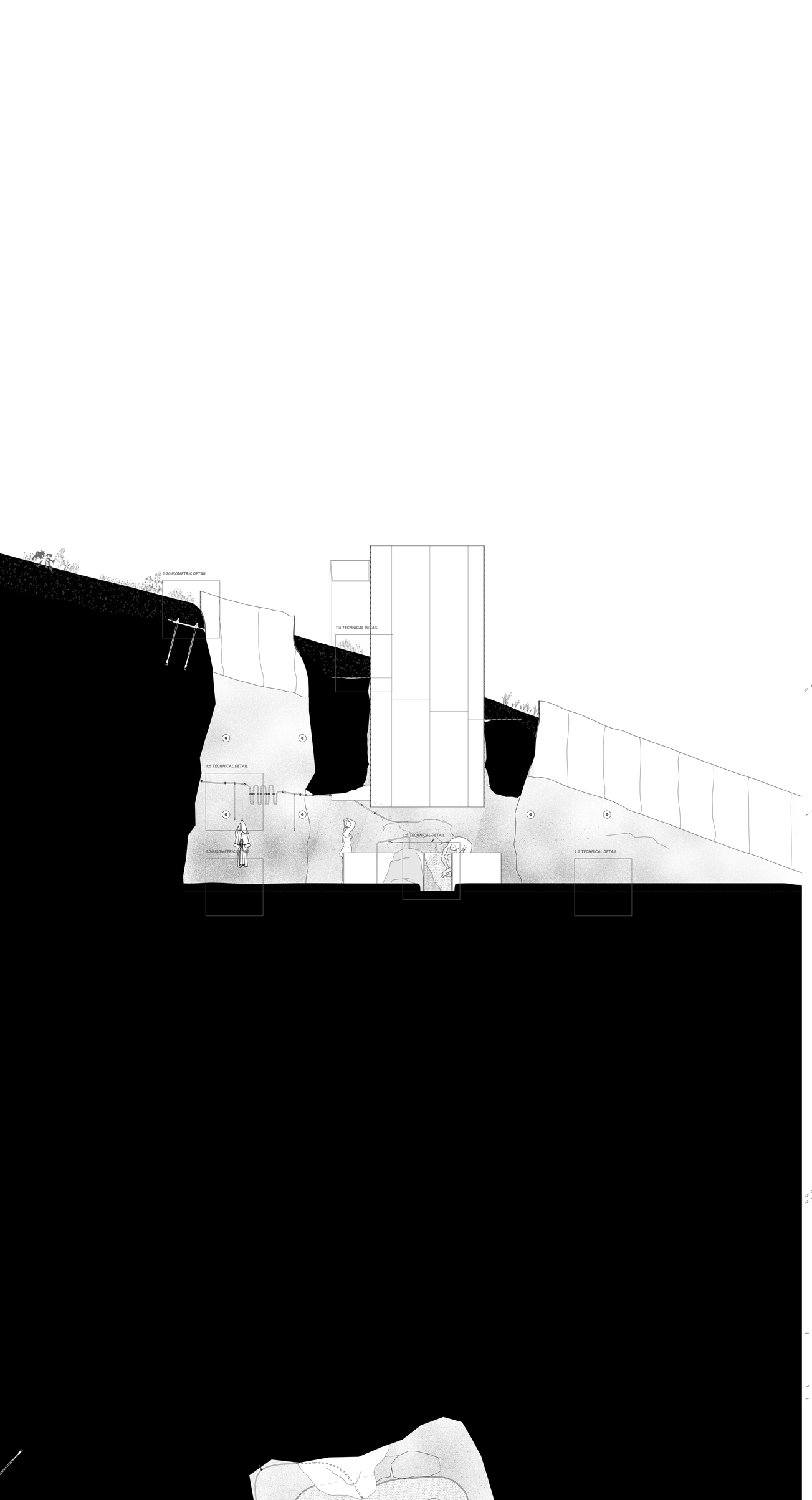
FLOORPLAN AND SECTION **1:50**



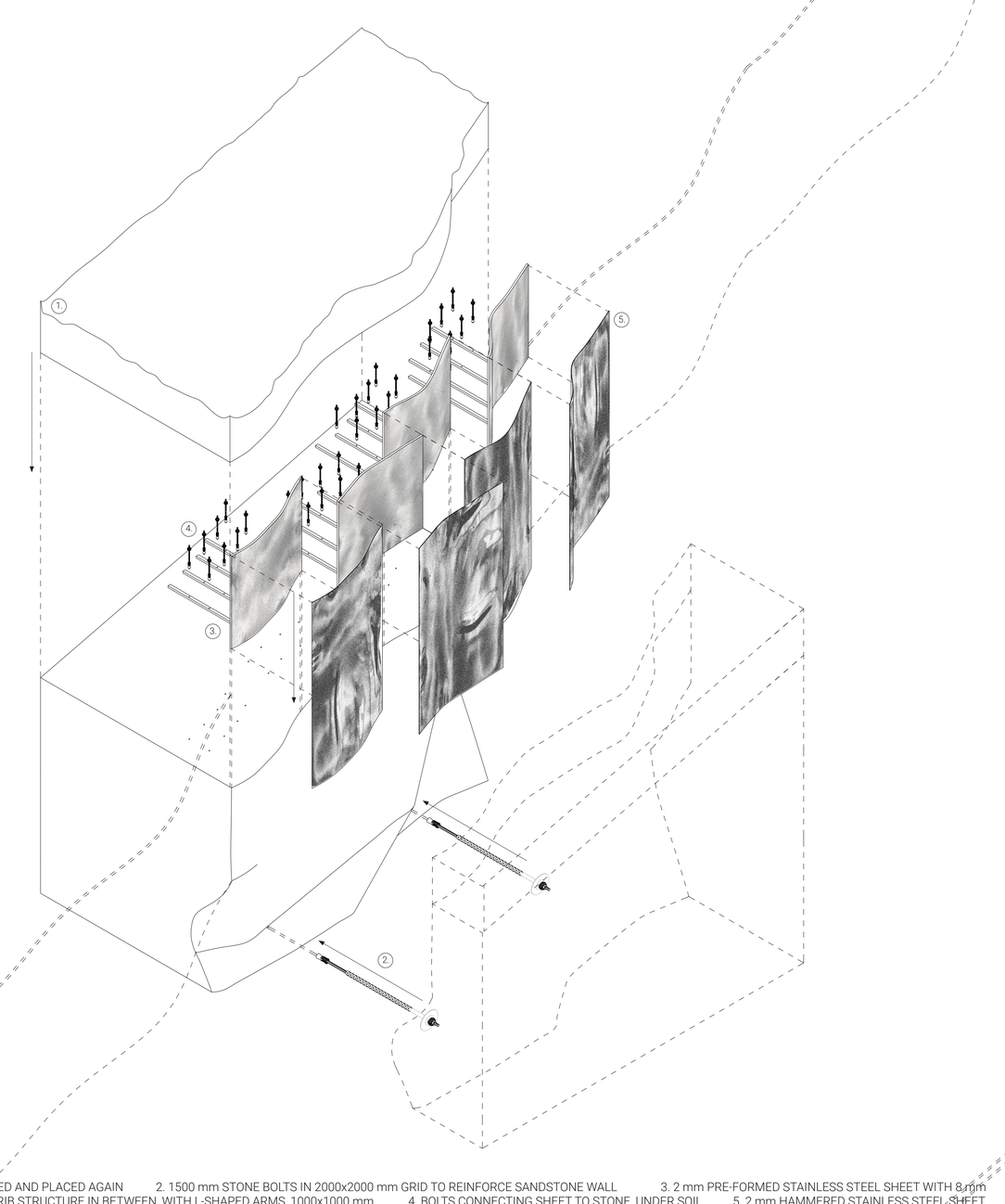
FLOORPLAN AND SECTION **1:50**

WARM BATH.

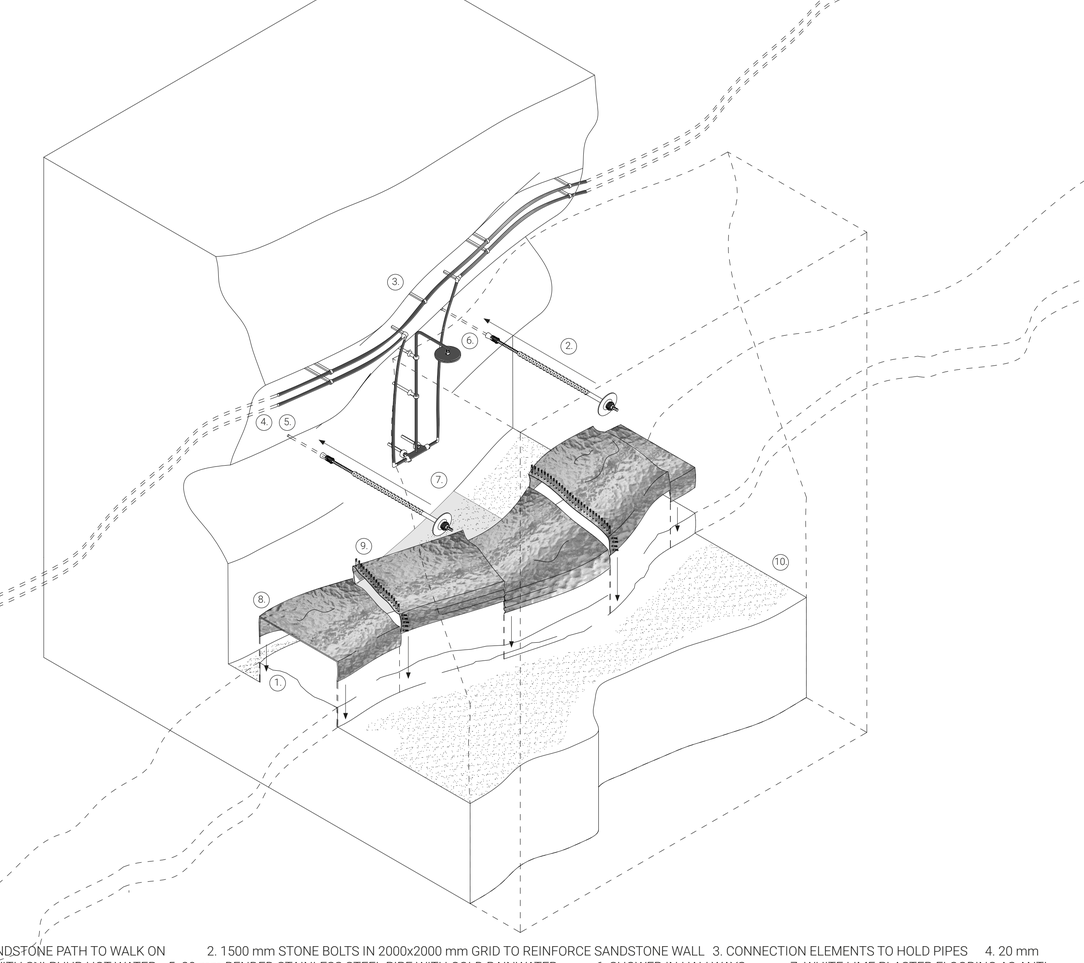
-3 METER UNDERGROUND | 36–38°C | 3X OPEN CEILING | WATER FALLS FROM STONE INTO COPPER BATHTUBS



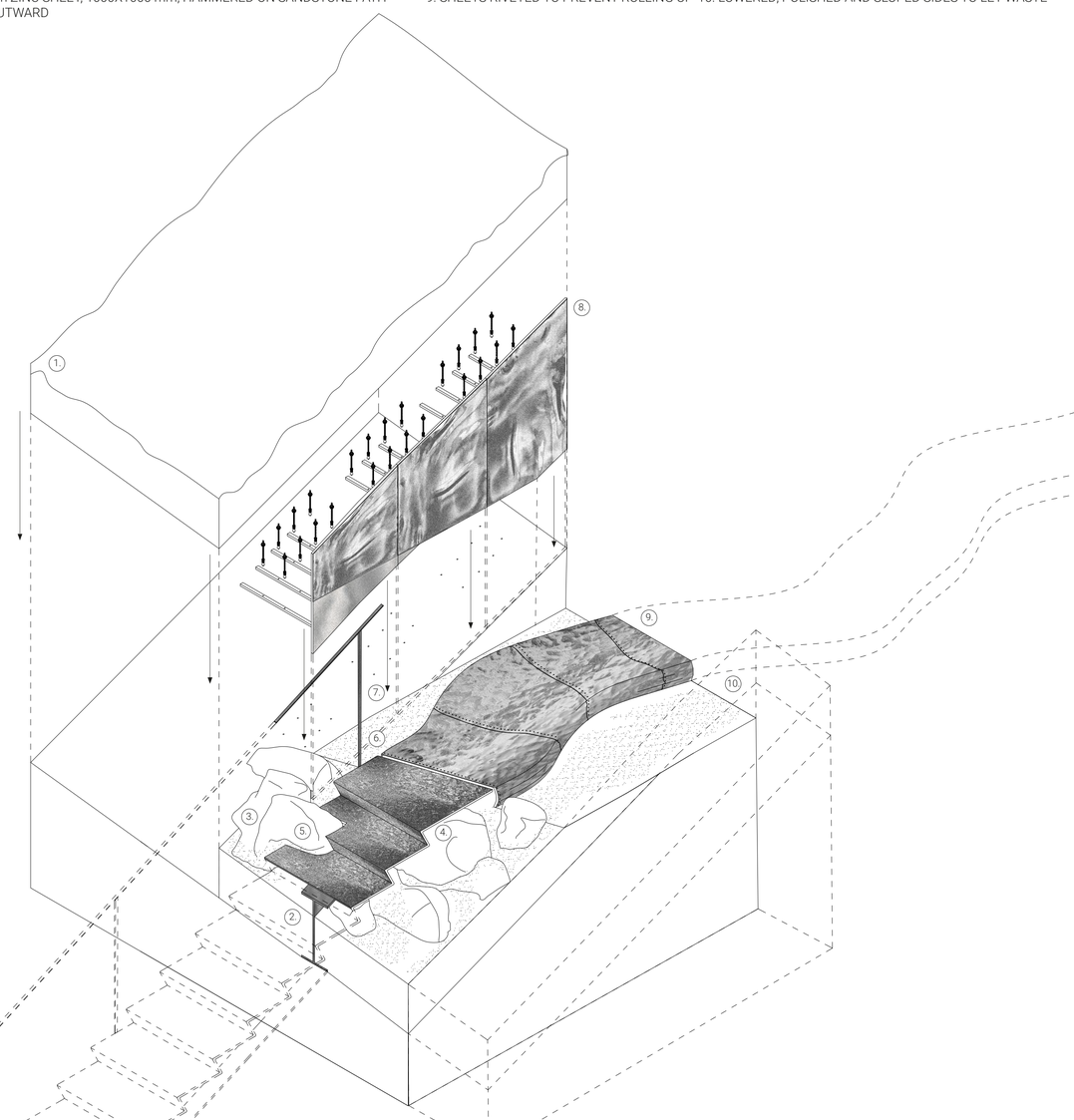
FLOORPLAN AND SECTION ***1:50***



1. 500 mm SOIL, REMOVED AND PLACED AGAIN 2. 1500 mm STONE BOLTS IN 2000x2000 mm GRID TO REINFORCE SANDSTONE WALL 3. 2 mm PRE-FORMED STAINLESS STEEL SHEET WITH 8 mm CONSTRUCTION STEEL RIB STRUCTURE IN BETWEEN, WITH L-SHAPED ARMS, 1000x1000 mm 4. BOLTS CONNECTING SHEET TO STONE, UNDER SOIL 5. 2 mm HAMMERED STAINLESS STEEL SHEET, 1000x1000 mm, GLUED ON METAL



1. 200 mm HIGHRED SANDSTONE PATH TO WALK ON 2. 1500 mm STONE BOLTS IN 2000x2000 mm GRID TO REINFORCE SANDSTONE WALL 3. CONNECTION ELEMENTS TO HOLD PIPES 4. 20 mm BENDED COPPER PIPE WITH SULPHUR HOT WATER 5. 20 mm BENDED STAINLESS STEEL PIPE WITH COLD RAINWATER 6. SHOWER IN HALLWAYS 7. WHITE LIME PLASTER FLOORING AS ANTI SLIP LAYER 8. 2 mm ZINC SHEET, 1000X1000 mm, HAMMERED ON SANDSTONE PATH 9. SHEETS RIVETED TO PREVENT ROLLING UP 10. LOWERED, POLISHED AND SLOPED SIDES TO LET WASTE WATER RUN SMOOTHLY OUTWARD



1. 500 mm SOIL REMOVED AND PLACED AGAIN 2. 500x3000 mm I-PROFILE CONSTRUCTION METAL BEAM, HALF UNDER SOIL AND BOLTED TO STONE 3. EXCAVATED SANDSTONE 4. 20 mm CASTED ZINC STAIRS, COLD BENDED, PRE-FABRICATED PER 10 STEPS, WELDED UNTO I-PROFILE 5. STAIR SECUNDAIRY TO STONE AND CUT ON SITE 6. 20 mm GAP, HARD CUT MATERIALS 7. 2 mm FLAT ZINC STIAR RAILING, WELDED UNDER STEP PLATE 8. 2 mm HAMMERED STAINLESS STEEL SHEET, 1000X1000 mm 9. 2 mm ZINC SHEET, 1000X1000 mm, RIVETED AND HAMMERED ON STONE 10. LOWERED, POLISHED AND SLOPED SIDES TO LET WASTE WATER RUN SMOOTHLY OUTWARD

ISOMETRIC DETAILS ***1:20***