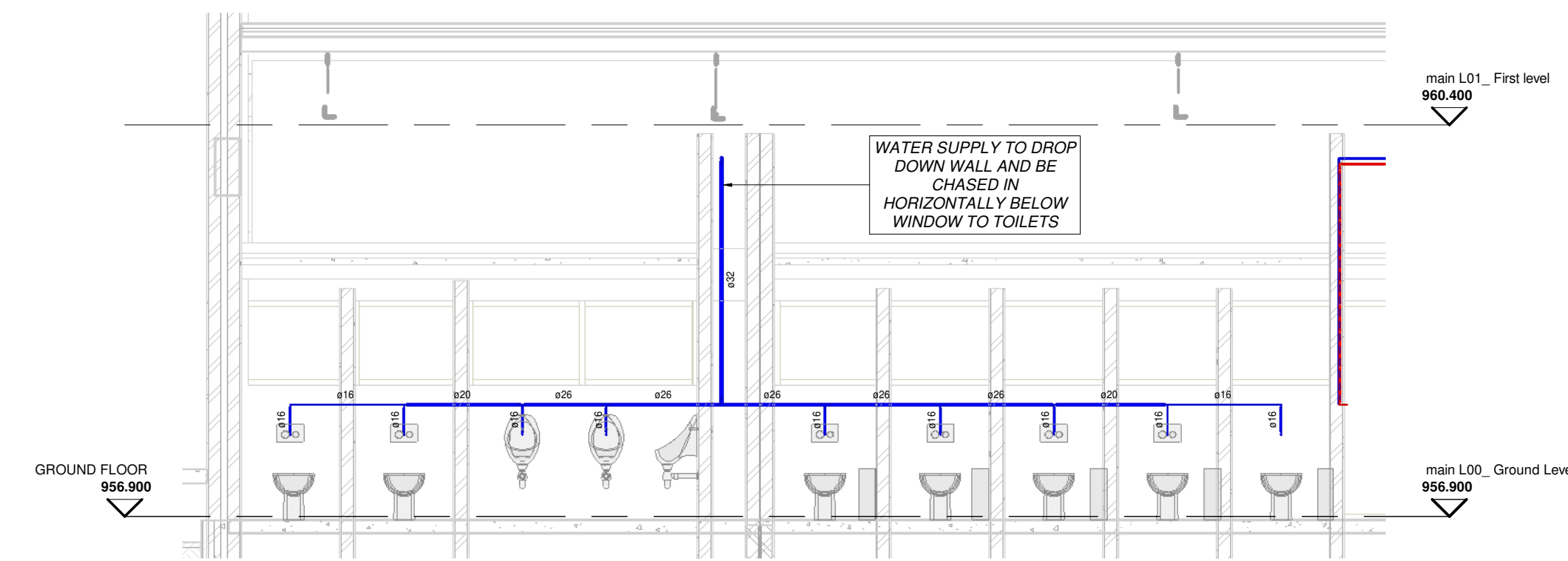
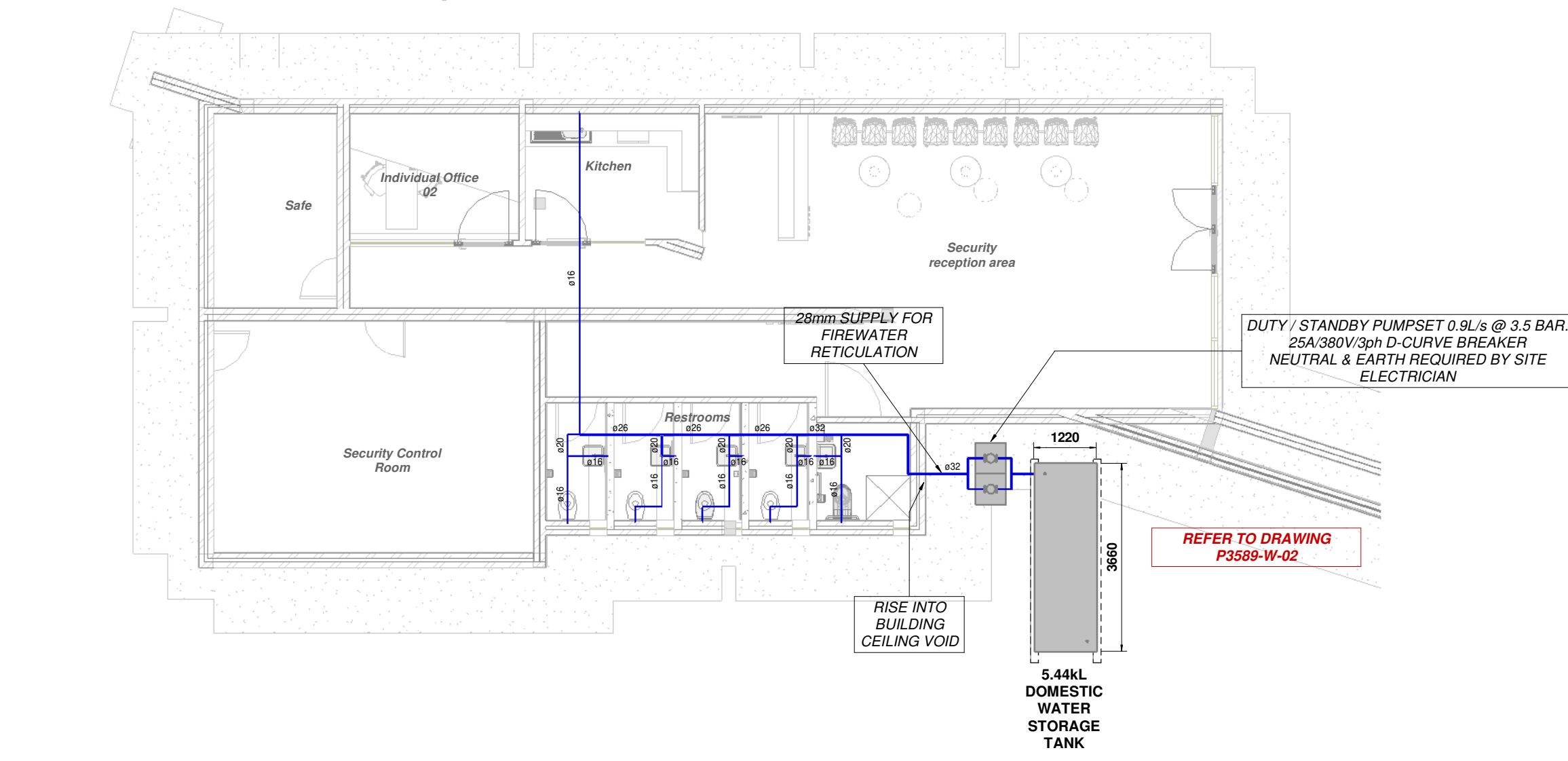




GROUND FLOOR-MAIN BUILDING-DOMESTIC WATER
1:100



WS1.1
1:50



GROUND FLOOR-GATEHOUSE-DOMESTIC WATER
1:100



GROUND FLOOR-GENERATOR ROOM-DOMESTIC WATER
1:100

WATER LEGEND:

- COLD WATER SUPPLY ABOVE REF LEVEL
- COLD WATER SUPPLY BELOW REF LEVEL
- HOT WATER SUPPLY ABOVE REF LEVEL
- HOT WATER SUPPLY BELOW REF LEVEL
- HOT WATER RETURN ABOVE REF LEVEL
- HOT WATER RETURN BELOW REF LEVEL

WATER RETICULATION NOTES:

- ALL NEW WATER PIPING TO BE COPPER CLASS 1 FOR THE GATEHOUSE AND GUARD HOUSE. ALL NEW WATER PIPING FOR THE MAIN BUILDING TO BE GEBERIT VALSERHENGHEVO MULTI-LAYER PIPE.
- ALL JOINTS TO BE CAPILLARY SOLDERED WITH SILPHOS 15 SOLDER (NO LEAD).
- THE FLUX USED MUST CONTAIN NO AMMONIA AND BE WATER BASED.
- EACH SYSTEM HAS TO BE PRESSURE TESTED TO 10BAR.
- ALL HOT WATER PIPES (INCLUDING CIRCULATING WATER) TO BE INSULATED WITH LIGHT WEIGHT ELASTOMERIC NITRILE RUBBER, SIMILAR TO INSULEX. THE INSULATION MATERIAL TO BE OF THE TUBING TYPE, WITH A THERMAL CONDUCTIVITY VALUE OF 0.034W/MK AT 20 °C. ALL HOT WATER PIPES EXPOSED TO THE ELEMENTS ARE TO HAVE AN ALUMINUM GALVANIZED SHEET METAL GLAZING LAYER INSTALLED ON THEM.
- NO HOLEDRATS OR SUPPORTS TO BE LESS THAN 500mm FROM A BEND TO ALLOW FOR EXPANSION.
- SUPPORTS TO BE SPACED AT INTERVALS AS FOLLOWS:

Ø	HORIZONTAL RUN	VERTICAL RUN
Ø15	1.3m	1.9m
Ø22	1.9m	2.5m
Ø28	1.9m	2.5m
Ø35	2.5m	2.8m
Ø42	2.5m	2.8m
- ALL ISOLATING VALVES TO BE OF GEBERIT MEPLA BALL VALVES WITH ACTUATOR LEVERS.
- EXPANSION LOOPS AND OFFSETS ARE NOT SHOWN BUT SHOULD BE ALLOWED FOR SHOULD THE FIXINGS NOT ALLOW FREE EXPANSION AND CONTRACTION.
- ALL PIPING INDICATED IS TO DRAW OFF PONTS ONLY.
- TERMINATION DETAILS AND SANITARY FITTINGS WILL BE SPECIFIED UNDER SANITARY FITTING SCHEDULES BY THE ARCHITECT.
- THE TOTAL PLUMBING INSTALLATION TO BE DONE IN ACCORDANCE WITH PART R OF THE MODEL PREAMBLES FOR TRADES (1992 EDITION).
- ALL WATER METERS TO BE SENSUS MEISTREAM WATER METERS C/W BMS FUNCTIONALITY.