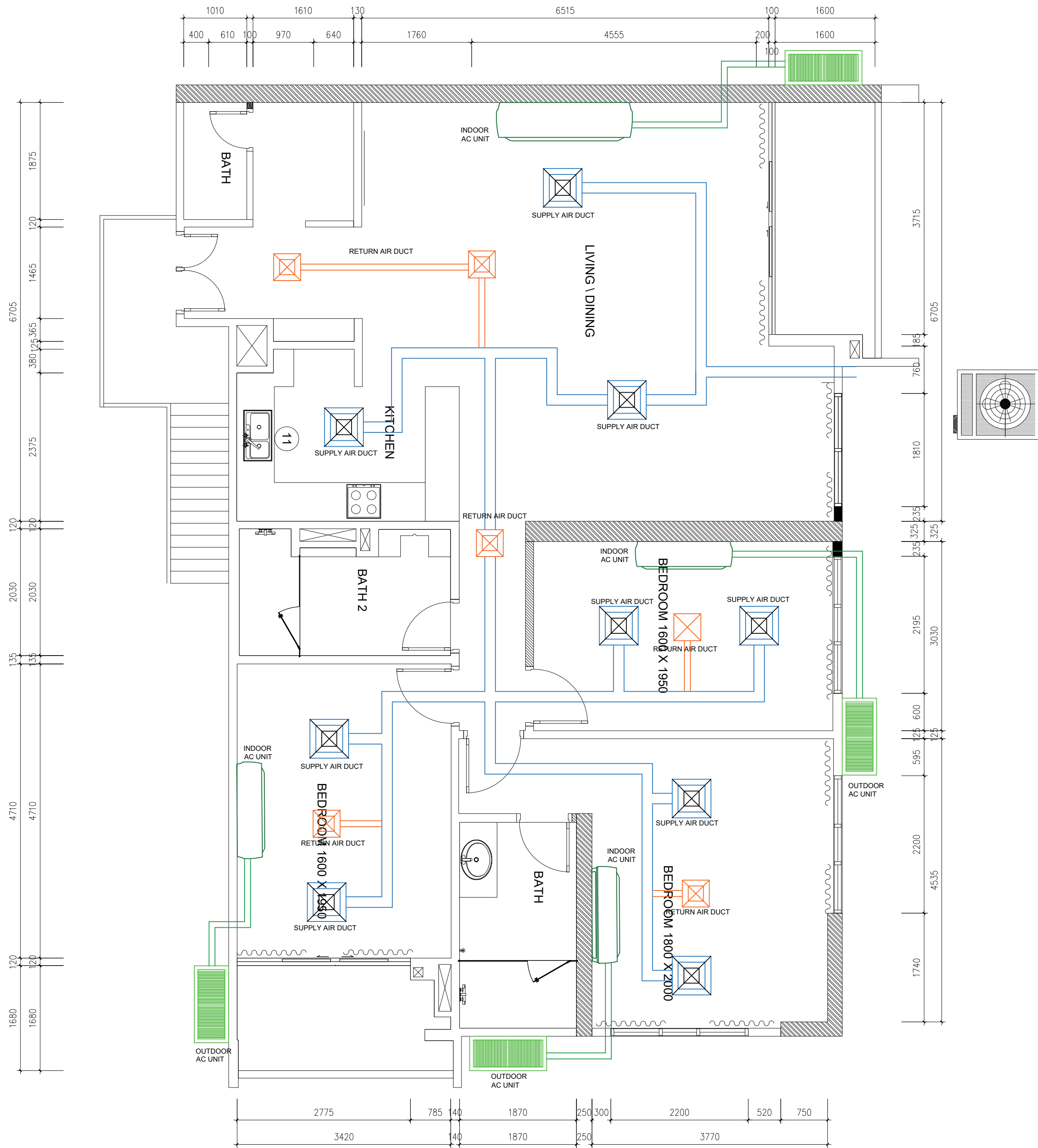
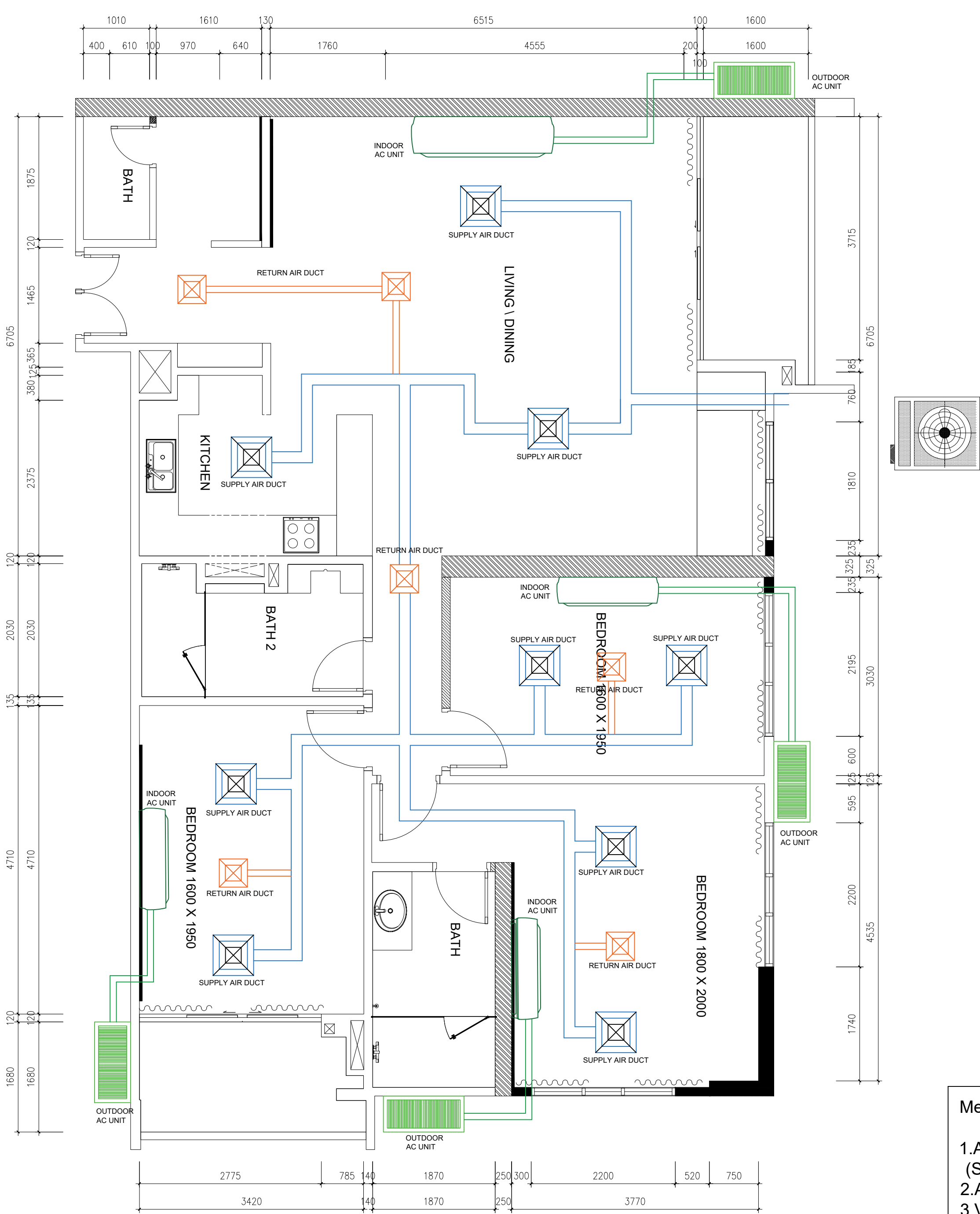


FIRST FLOOR



GROUND FLOOR



Mechanical (HVAC) Legend

- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- SUPPLY AIR DUCT
- RETURN AIR DUCT
- EXHAUST / VENT DUCT
- REFRIGERANT (SUCTION)
- REFRIGERANT (LIQUID)
- AC CONDENSATE DRAIN

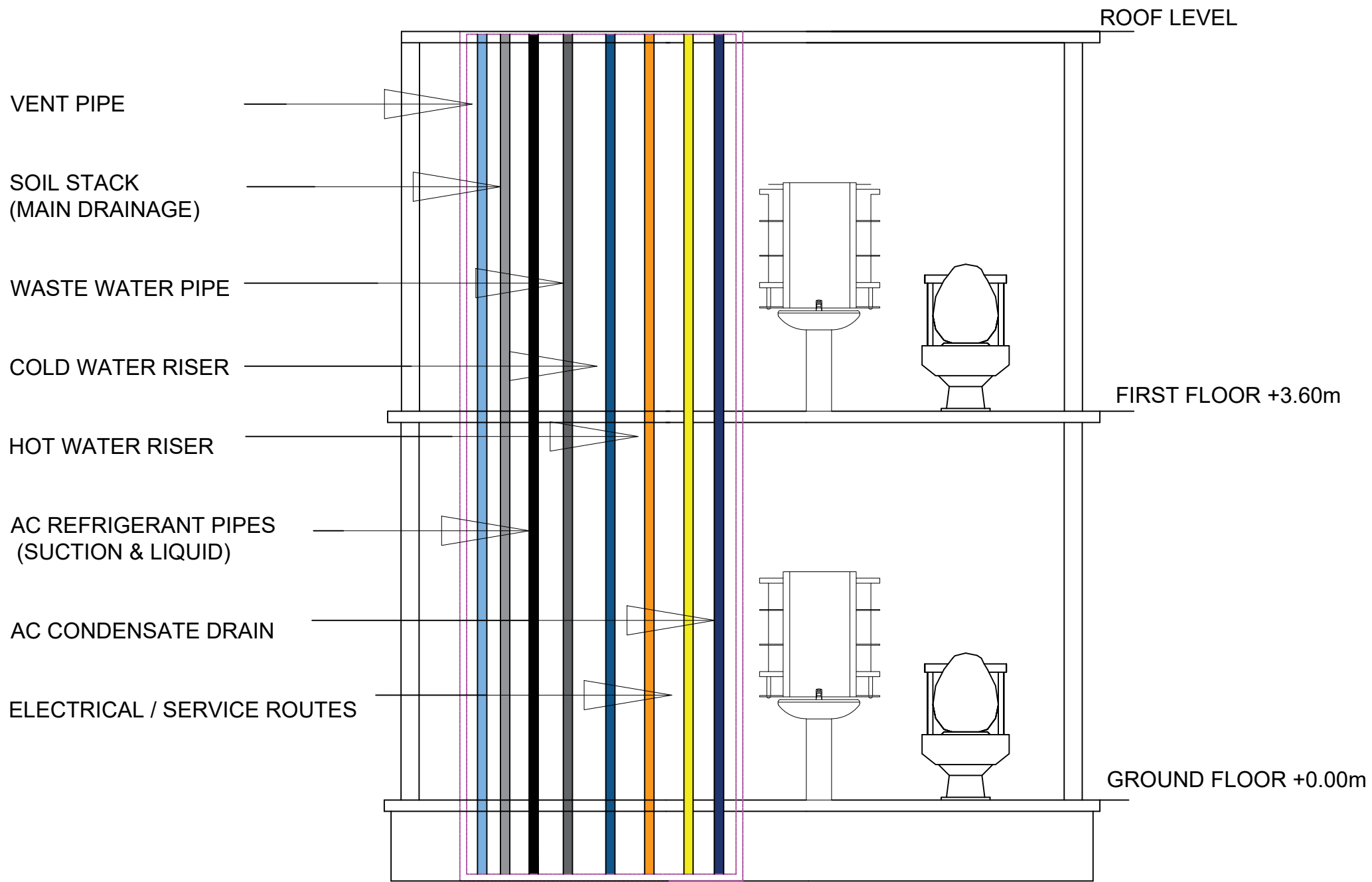
Mechanical (HVAC) Notes

- 1.All ductwork to be insulated.
- 2.Provide access panel for indoor AC unit maintenance.
- 3.AC condensate drain to be sloped minimum 1% towards drain point.
- 4.Refrigerant lines to be insulated as per manufacturer specification.
- 5.Outdoor AC unit to be installed on stable support.

Mechanical Shaft Contents (Vertical)

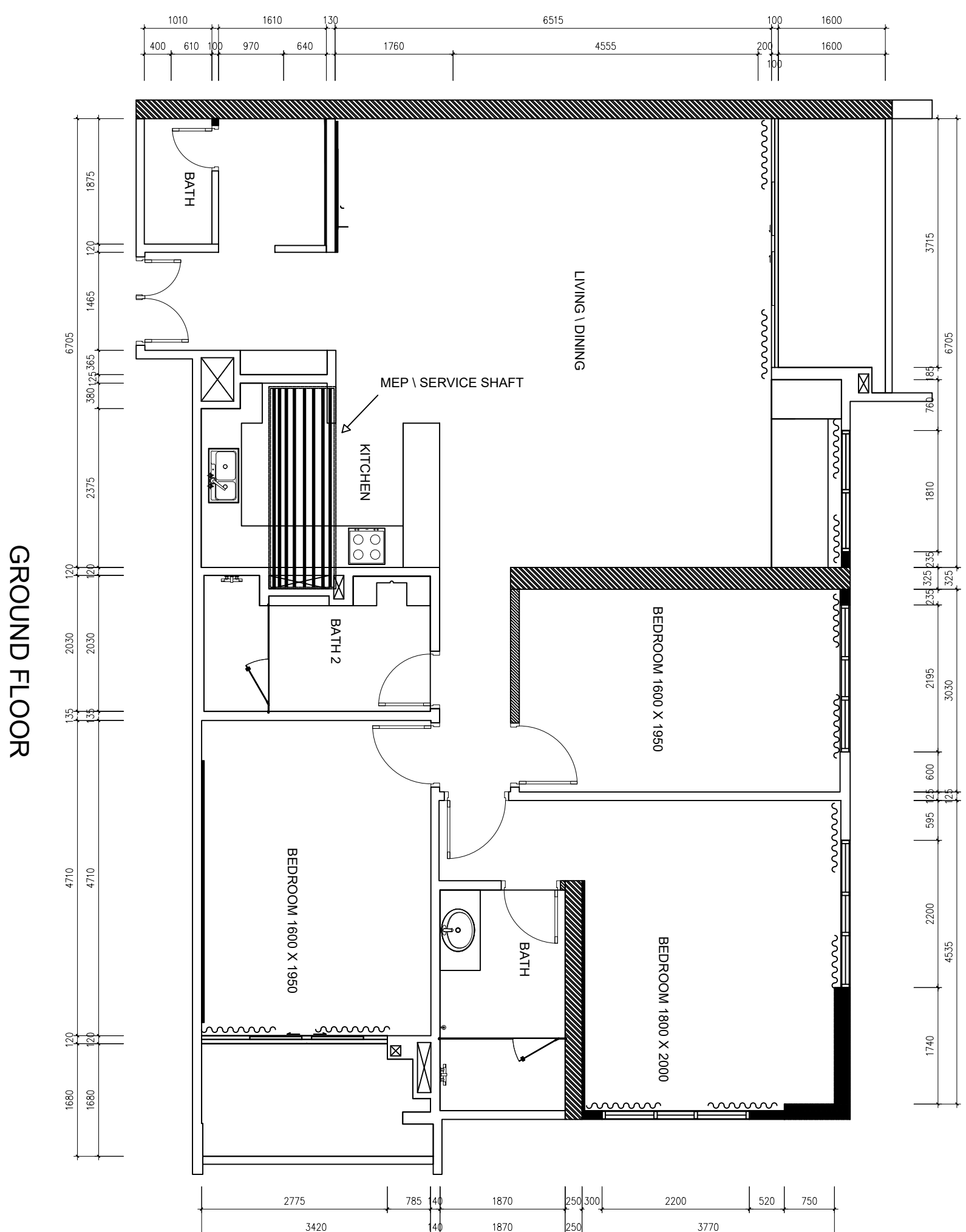
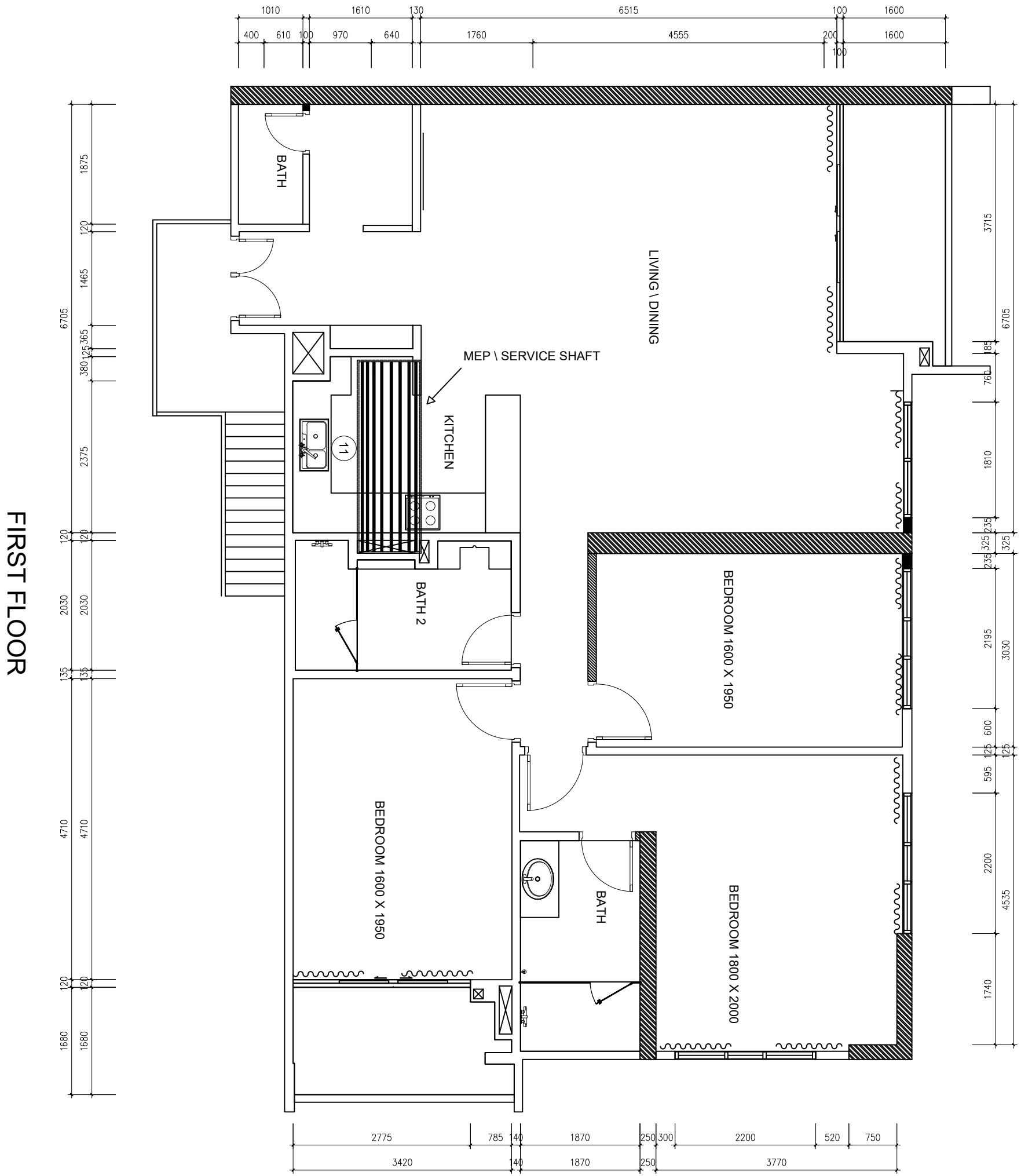
- 1.AC REFRIGERANT LINES (SUCTION & LIQUID)
 - 2.AC CONDENSATE DRAIN
 - 3.VENTILATION / EXHAUST DUCT
 - 4.ELECTRICAL SUPPLY TO AC UNITS
- (All routes vertically aligned from Ground Floor to First Floor.)

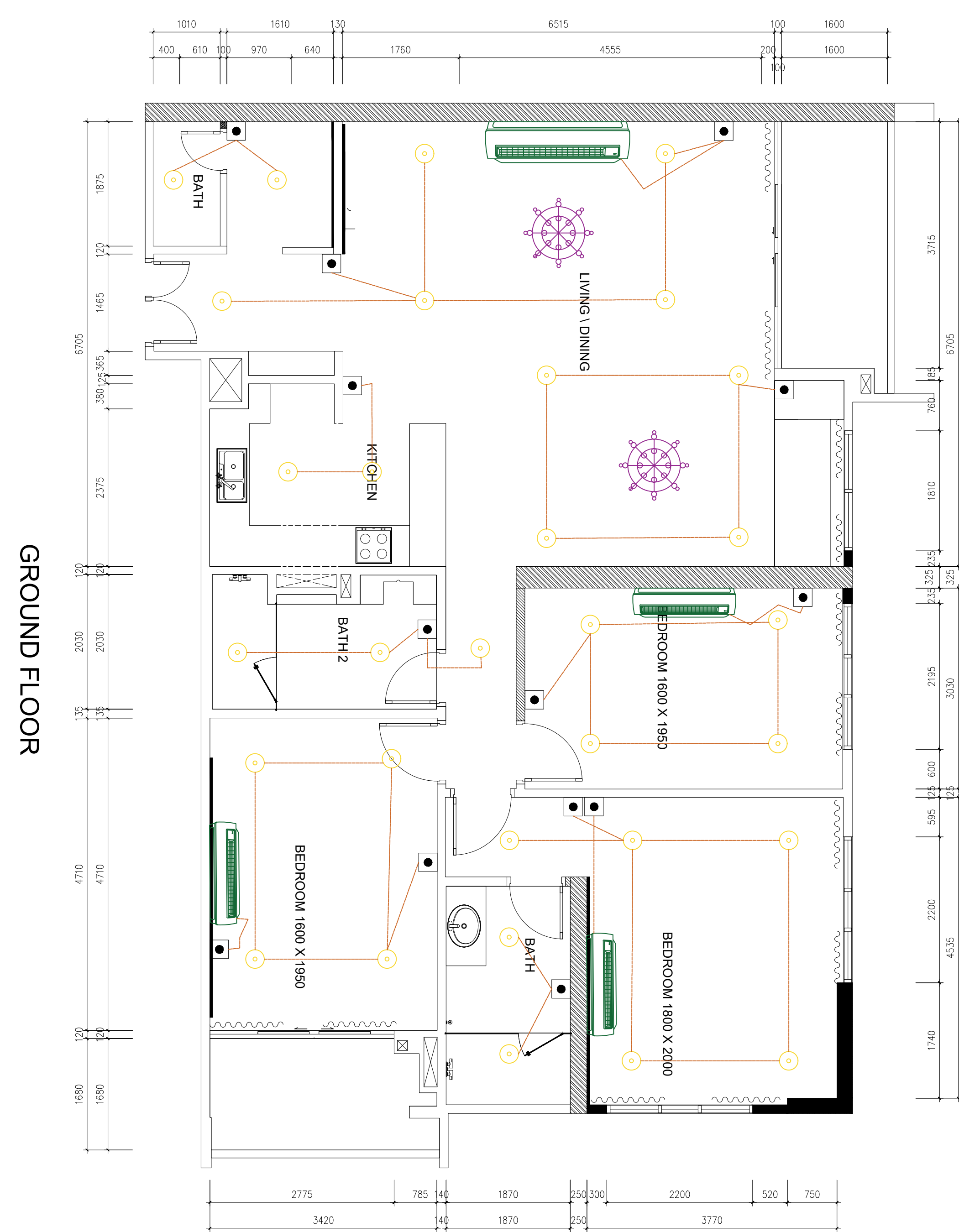
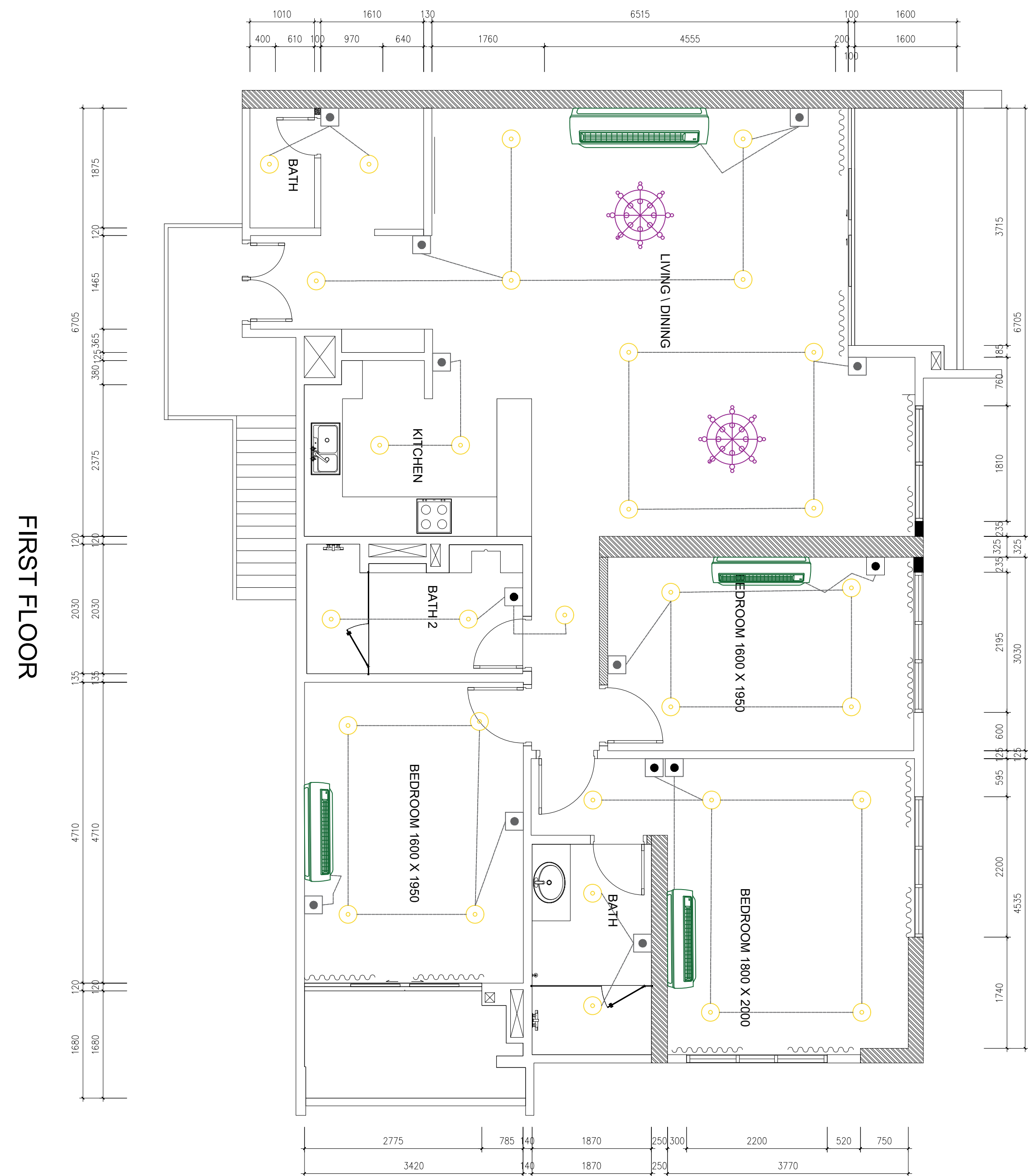
MEP / Service Shaft — Vertical Section



NOTES

- 1.All pipes and ducts in the shaft must be vertically aligned from Ground Floor to First Floor.
- 2.Shaft to be properly sealed and fire stopped as per local code.
- 3.Access panel required at each floor for maintenance.
- 4.Provide adequate ventilation at top (if required).





General Notes (Specifications)

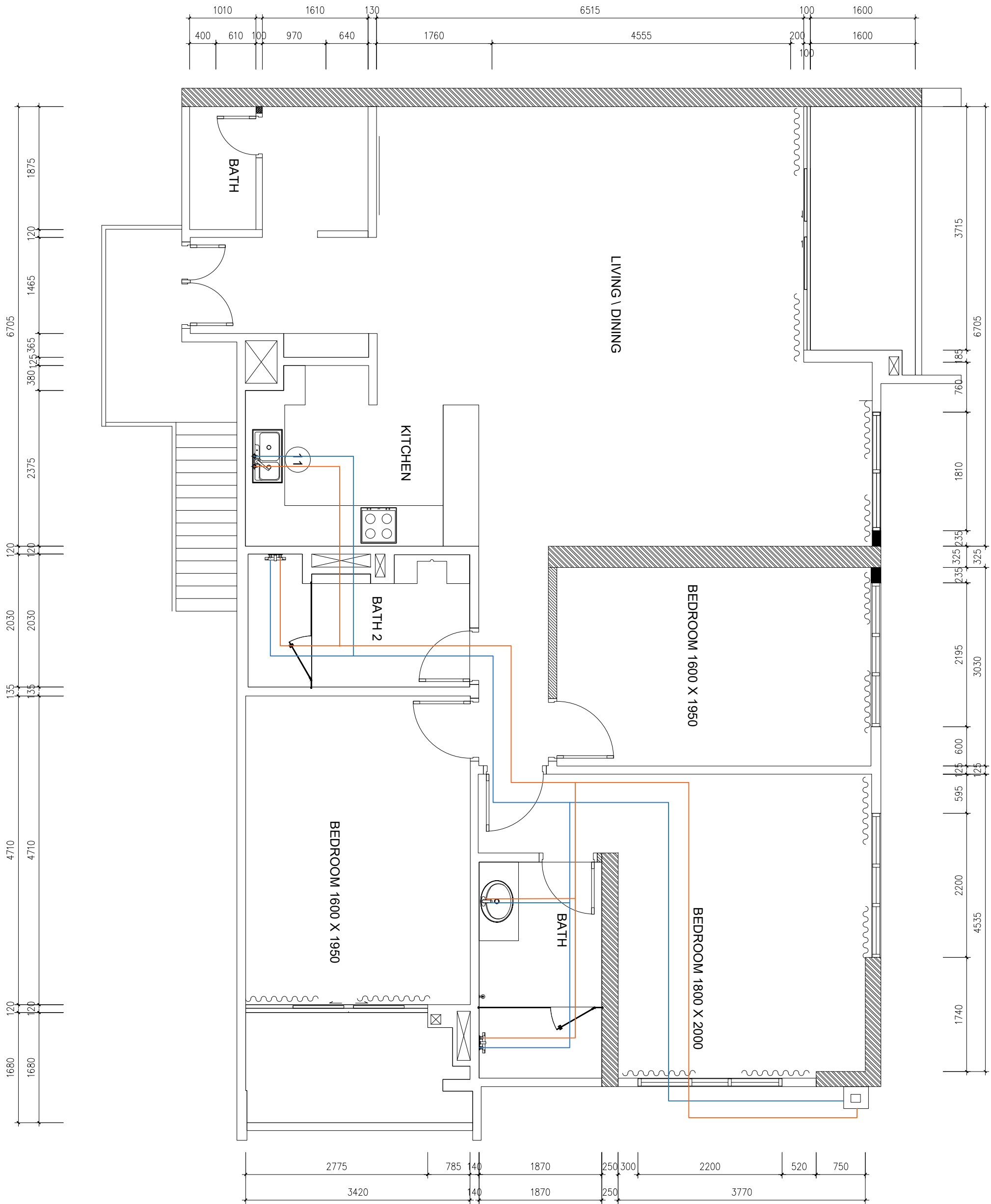
- 1.All wiring to comply with local electrical code
- 2.All switches mounted at 1050mm AFF (Above Finished Floor), unless noted otherwise
- 3.All socket outlets mounted at 300mm AFF, unless noted otherwise
- 4.DB located near main entry for easy access
- 5.Provide a dedicated circuit for each AC unit

Electrical Load Summary (values not filled in on this sheet)

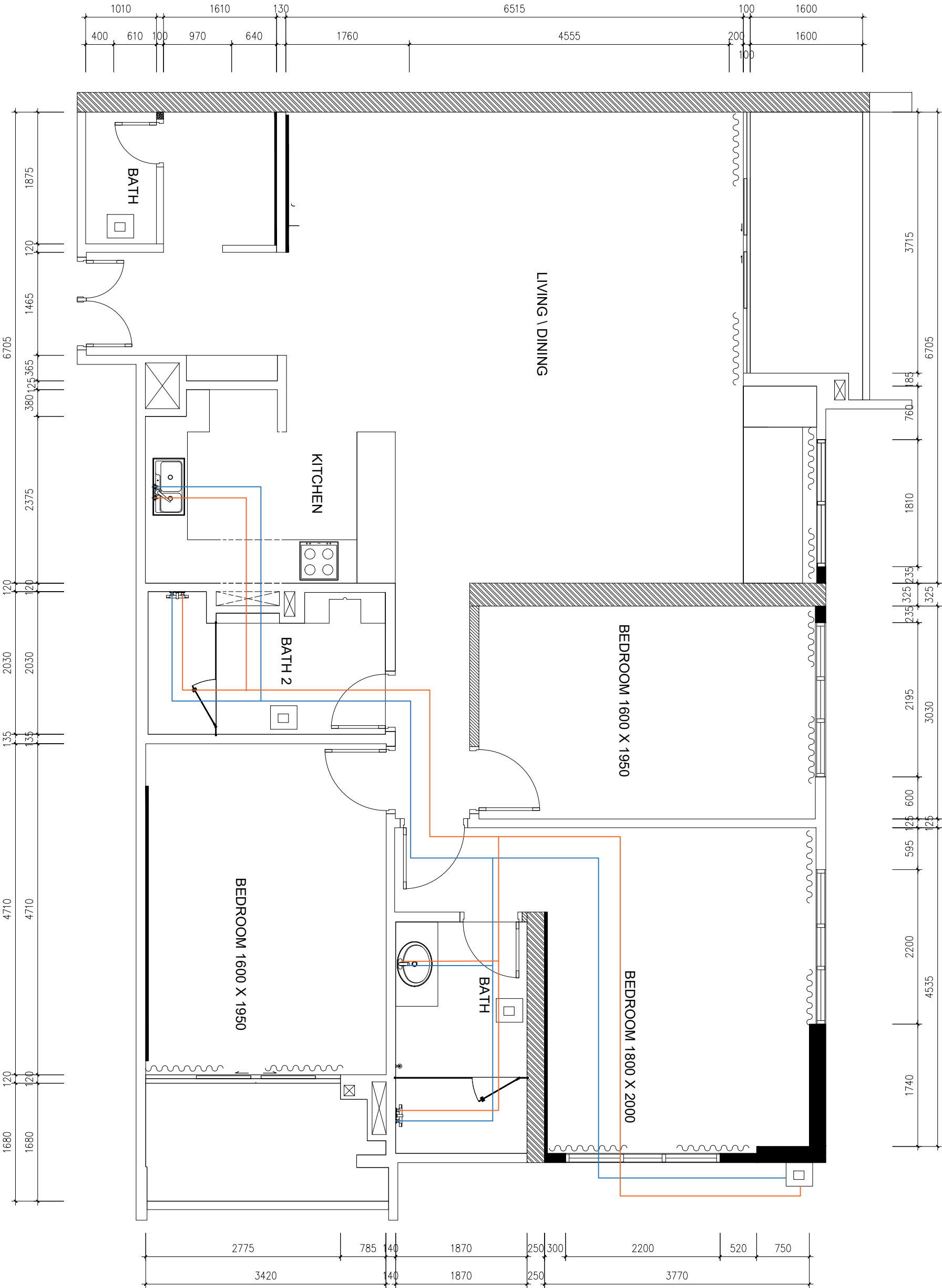
Lighting Load — xx W
Power Load — xx W
AC Load — xx W
Total Connected Load — xx W

Abbreviations
DB – Distribution Board
AC – Air Conditioner
WP – Weather Proof
AFF – Above Finished Floor

FIRST FLOOR



GROUND FLOOR



Dimensions (left side, top to bottom, mm)
150
20
180
2020 (likely "20" and "20" stacked, or "2020" as shown)
330
330
20
420
20
150
Dimensions (bottom, left to right, mm)
375
20
150
10
300
20
55
(second row) 100 / 20 / 155 / 20 / 375

Plumbing Legend

COLD WATER PIPE
HOT WATER PIPE
SOIL STACK / MAIN DRAINAGE
WASTE WATER PIPE
VENT PIPE

Abbreviations

CW — Cold Water
HW — Hot Water
SS — Soil Stack
WW — Waste Water
V — Vent

Fixtures

KITCHEN SINK
BASIN
TOILET (WC)
SHOWER
FLOOR DRAIN

Pipe Size Schedule

COLD WATER PIPE — 20mm Ø
HOT WATER PIPE — 20mm Ø
SOIL STACK — 110mm Ø
WASTE WATER PIPE — 50mm Ø
VENT PIPE — 75mm Ø

Plumbing Notes

- 1.All cold & hot water pipes to be connected to overhead water tank.
- 2.Hot water lines to be insulated where required.
- 3.Soil stack to be continuous from ground floor to roof vent.
- 4.Provide cleanouts at base of soil stack.
- 5.All waste pipes to have minimum slope 1:60 towards drain.
- 6.Floor drains to be trapped.

