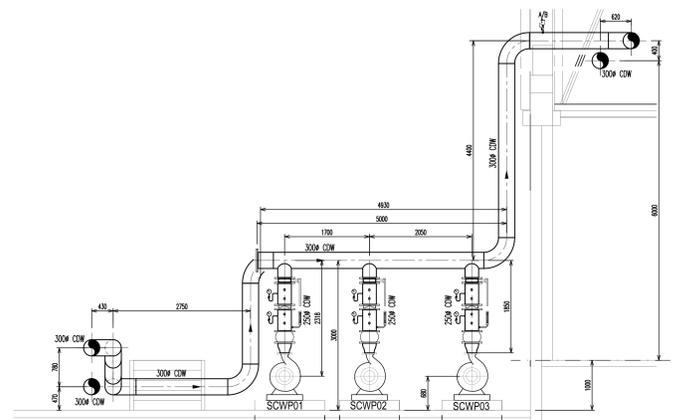
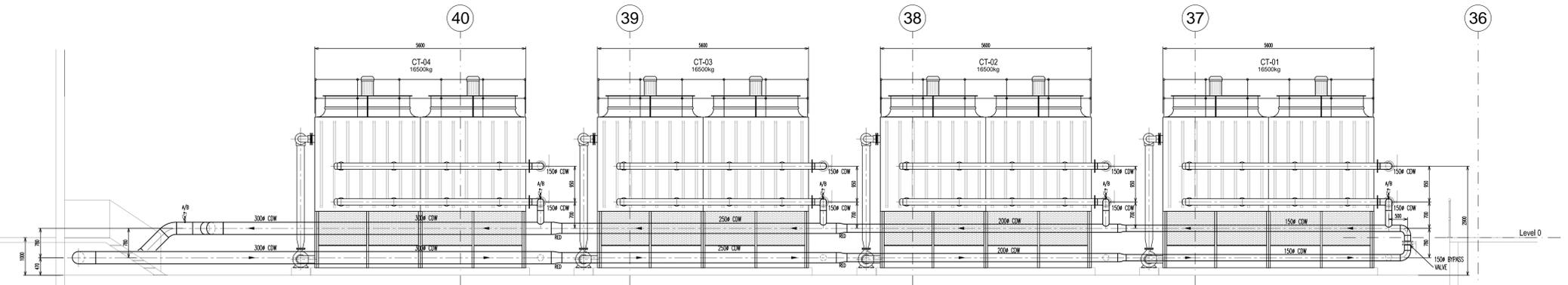


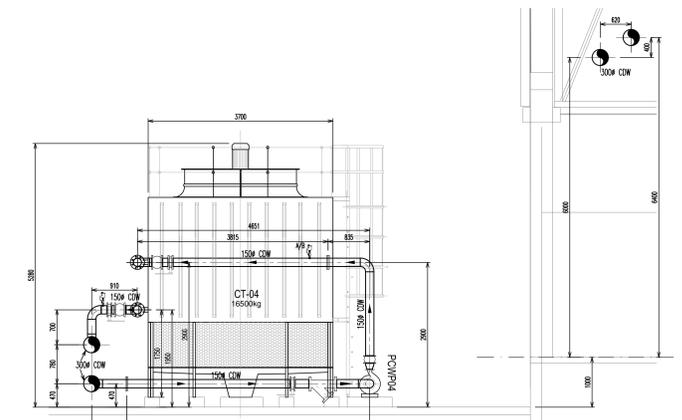
SECTION BB
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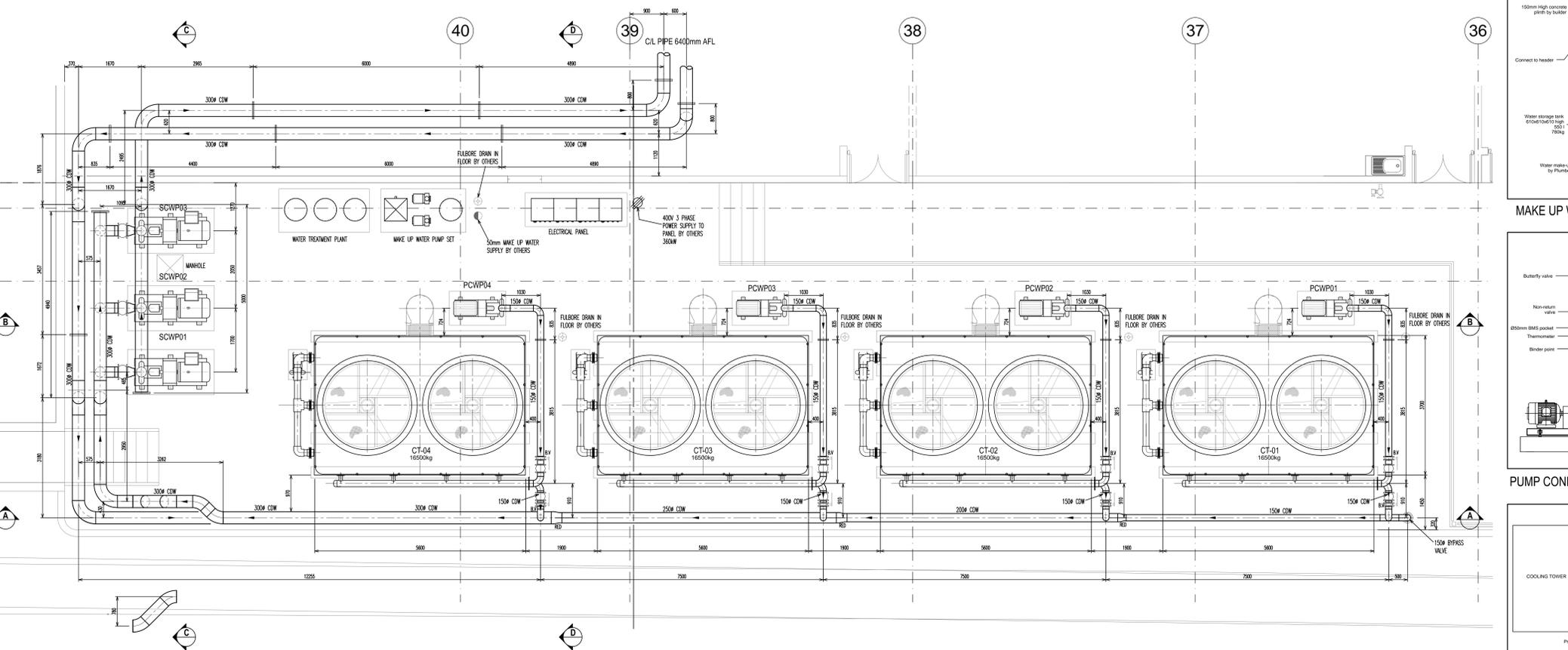
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SECTION AA
SCALE 1:50



SECTION DD
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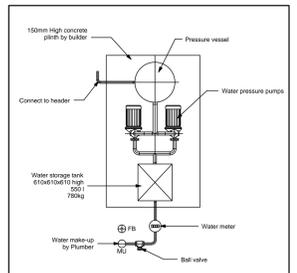


COOLING TOWER PLANTROOM AREA - HVAC LAYOUT
SCALE 1:50

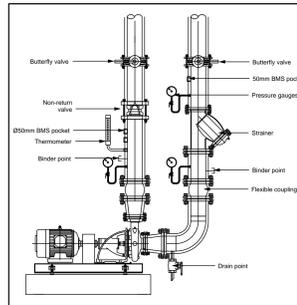
Cooling Tower Schedule												
Code	Make	Model	Type	THR (kW)	Water Flow (l/s)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Phase (V/Hz/Ph)	Motor (kW)	No. of C/W
CT01	TekTower	FM-C 1955	Closed Circuit	1172	60.93	5500	2850	3550	16500	400/3/50	30	1
CT02	TekTower	FM-C 1955	Closed Circuit	1172	60.93	5500	2850	3550	16500	400/3/50	30	1
CT03	TekTower	FM-C 1955	Closed Circuit	1172	60.93	5500	2850	3550	16500	400/3/50	30	1
CT04	TekTower	FM-C 1955	Closed Circuit	1172	60.93	5500	2850	3550	16500	400/3/50	30	1

CONDENSER WATER PIPING NOTES:

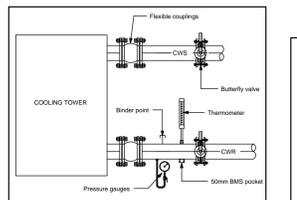
- 1 ALL PIPE WORK AND FITTINGS SHALL BE INSTALLED AS PER THE SPECIFICATION
 - 2 ALL PIPING SHALL BE S.A.B.S 82 & 719 MEDIUM BLACK.
 - 3 PIPE SIZES #15 TO #65 - S.A.B.S 62 MED BLACK GALVANIZED TO S.A.B.S. SCREWED TO ISO-87 (BS21).
 - 4 SIZE #65 TO #150 - S.A.B.S 62 MED BLACK BUTT WELD AND GALVANIZED TO S.A.B.S 763 AFTER FABRICATION.
 - 5 SIZE #200 UPWARD - S.A.B.S 719 MED BLACK BUTT WELD AND GALVANIZED TO S.A.B.S 763 AFTER FABRICATION.
 - 6 ALL CONDENSER WATER FITTINGS
 - 6.1 #15 TO #65 - SCREWED MALLEABLE CAST IRON GALVANIZED TO S.A.B.S 763.
 - 6.2 #65 UPWARDS - BUTT WELD TO ANSI B16.9
 - 6.3 ALL PIPE FLANGES (#80 TO #150) SHALL BE TABLE 'D' SLIP ON.
 - 7 CONDENSER WATER PIPE CASKETS
 - 7.1 FOR SCREWED PIPING USE THREAD SEAL (PIFE)
 - 7.2 FOR FLANGES USE RUBBER INSERTION.
 - 8 ALL FLANGE NUTS & BOLTS TO BE ASTM A193.
- ISOLATION VALVES:**
- 1 ALL ISOLATING VALVES TO BE AS FOLLOWS:
 - 2 #15 TO #65 : BALL VALVE - SCREWED BSP ENDS.
 - 3 #80 TO #150 : SHORT STEM BUTTERFLY VALVES



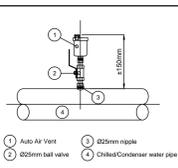
MAKE UP WATER PUMP SET DETAIL



PUMP CONNECTION DETAIL



COOLING TOWER CONNECTION DETAIL



AIR BLEED DETAIL