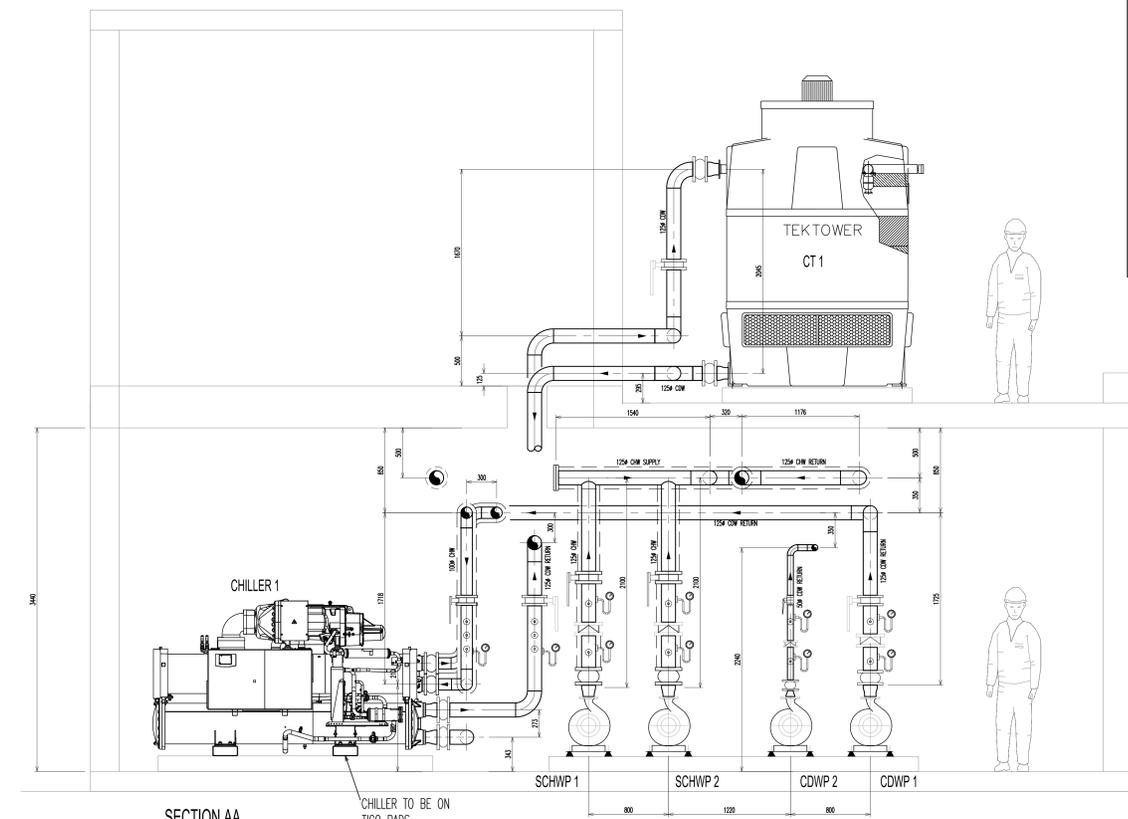
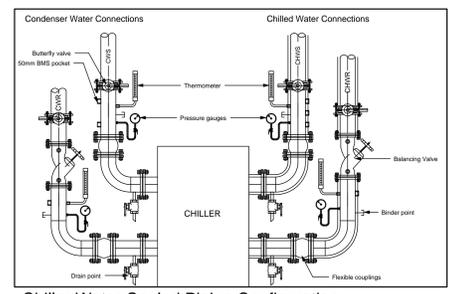


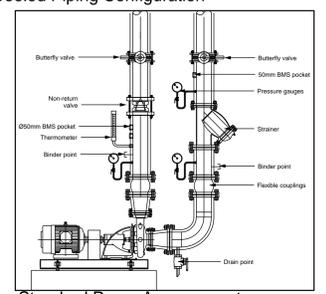
SECTION BB  
SCALE 1:25



SECTION AA  
SCALE 1:25

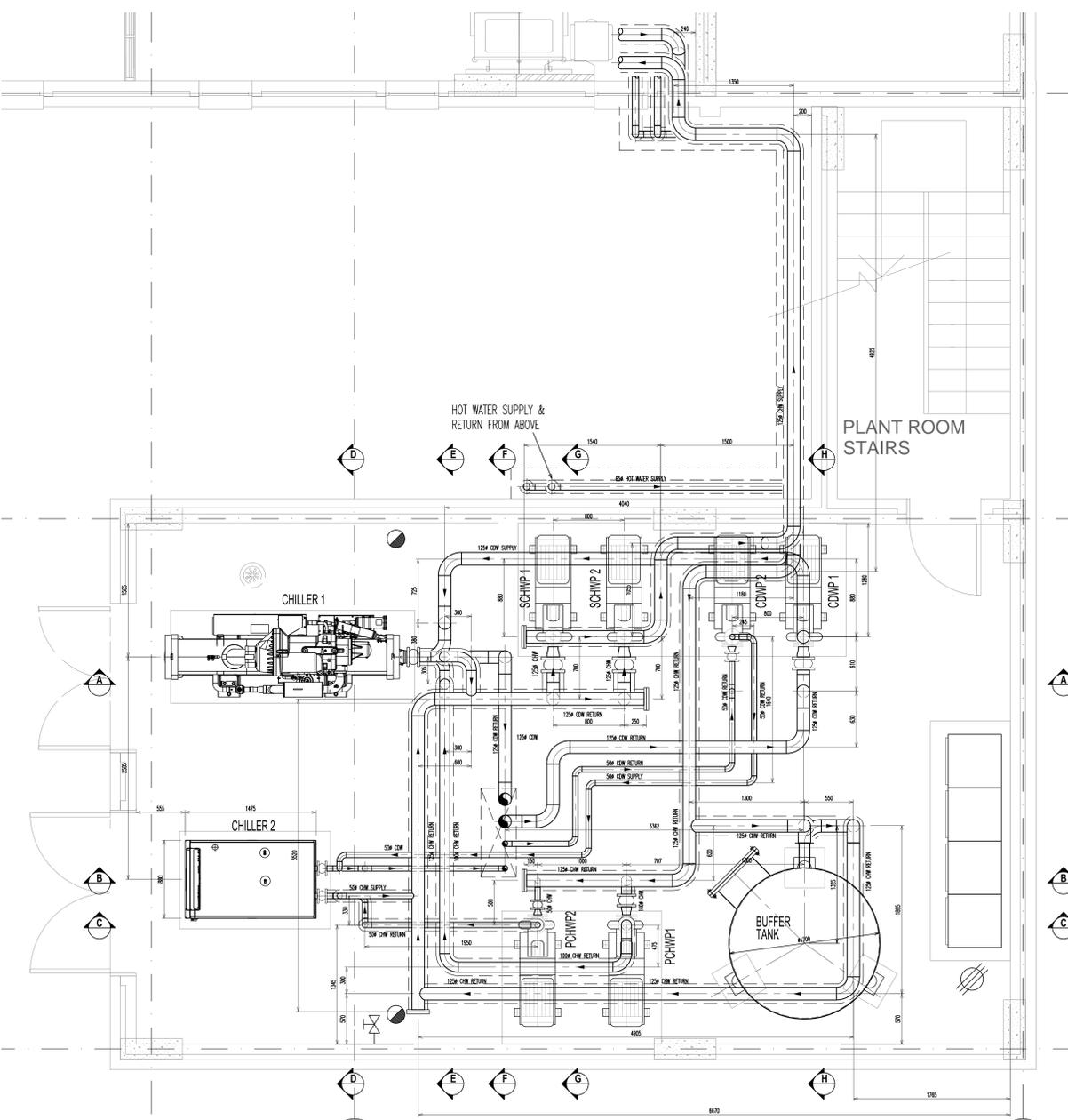


Chiller Water Cooled Piping Configuration

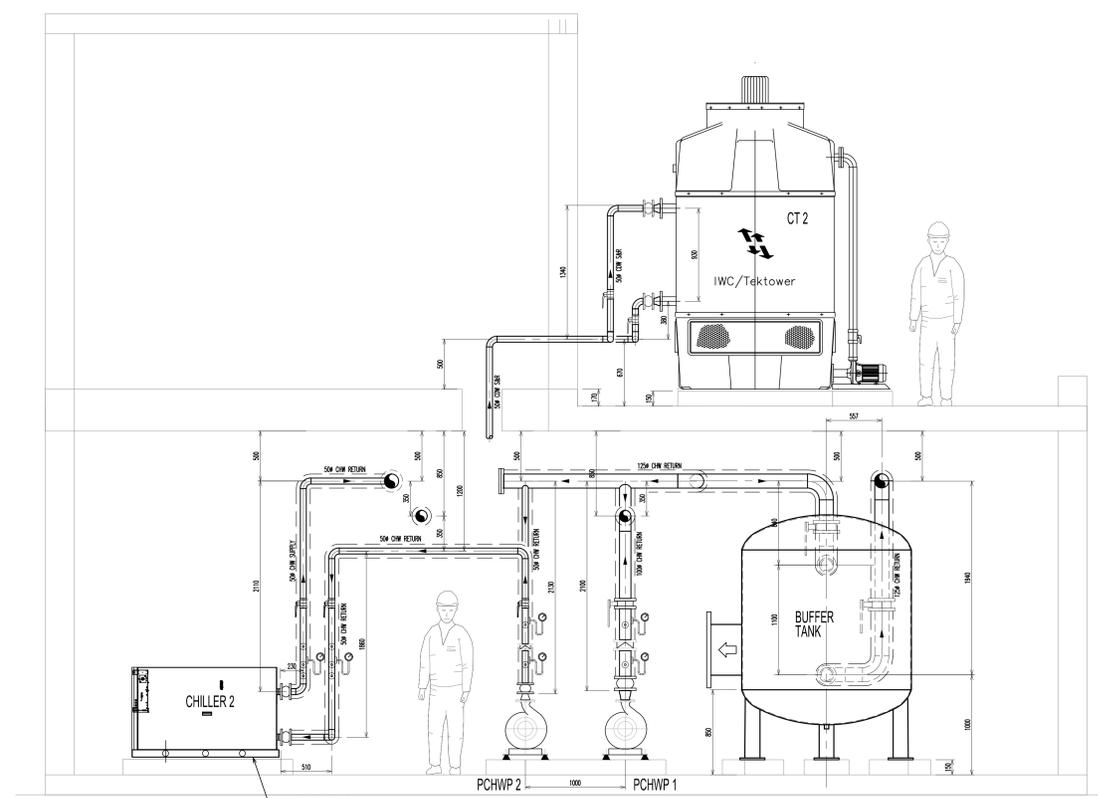


Standard Pump Arrangement

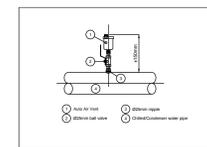
- NOTES**
- GENERAL NOTES:**
    - THIS DRAWING FORMS PART OF THE SPECIFICATION AND MUST BE READ THEREWITH AND IN CONJUNCTION WITH THE DRAWINGS AS LISTED THEREON.
    - REFER TO THE SPECIFICATION FOR ALL EQUIPMENT DETAILS.
    - ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO MANUFACTURE.
  - CHILLED WATER PIPING NOTES:**
    - ALL CHILLED WATER PIPE WORK AND FITTINGS SHALL BE INSTALLED AS PER THE SPECIFICATION.
    - ALL CHILLED WATER PIPING SHALL BE S.A.B.S 62 & 719 MEDIUM BLACK PIPING.
    - PIPE SIZES #15 TO #50 - S.A.B.S 62 MED. BLACK SCREWED ENDS TO ISO-47 (BS21) THREAD.
    - PIPE SIZES #65 TO #150 - S.A.B.S 62 MED. BLACK BUTT WELDED.
    - SIZE #200 UPWARD - S.A.B.S 719 MED. BLACK BUTT WELDED.
    - ALL CHILLED WATER FITTINGS SHALL CONFORM WITH THE FOLLOWING:
      - #15 TO #50 : SCREWED MALLEABLE CAST IRON.
      - #65 UPWARDS : BUTT WELD TO ANSI B16.9.
    - ALL CHILLED WATER PIPE FLANGES SHALL BE TABLE D SLIP ON.
    - CHILLED WATER PIPE GASKETS.
      - FOR SCREWED PIPING USE THREAD SEAL (PIFE)
      - FOR FLANGES USE RUBBER INSERTION.
  - CHILLED WATER VALVES:**
    - ALL CHILLED WATER ISOLATING VALVES TO BE AS FOLLOWS:
      - #15 TO #50 : BALL VALVE SCREWED BSP ENDS.
      - #65 TO #150 : LONG STEM BUTTERFLY VALVES.
  - CHILLED WATER PIPE INSULATION:**
    - ALL CHILLED WATER PIPING TO BE INSULATED AND CLAD AS PER THE ENGINEERS SPECIFICATION.
  - CONDENSER WATER PIPING NOTES:**
    - ALL CONDENSER WATER PIPE WORK AND FITTINGS SHALL BE INSTALLED AS PER THE SPECIFICATION.
    - ALL CONDENSER WATER PIPING SHALL BE S.A.B.S 62 & 719 MEDIUM BLACK PIPING.
      - PIPE SIZES #15 TO #50 - S.A.B.S 62 MED. BLACK GALVANIZED TO S.A.B.S SCREWED ENDS ISO-47 (BS21) THREAD.
      - SEE #65 TO #150 - S.A.B.S 62 MED. BLACK BUTT WELDED. HOT DIP GALVANIZED TO S.A.B.S 763 AFTER FABRICATION.
      - SIZE #200 UPWARD - S.A.B.S 719 MED. BLACK BUTT WELDED. HOT DIP GALVANIZED TO S.A.B.S 763 AFTER FABRICATION.
    - ALL CONDENSER WATER FITTINGS SHALL CONFORM WITH THE FOLLOWING:
      - #15 TO #50 : SCREWED MALLEABLE CAST IRON GALVANIZED TO S.A.B.S 763.
      - #65 UPWARDS : BUTT WELD TO ANSI B16.9.
    - ALL CONDENSER WATER PIPE FLANGES SHALL BE TABLE D SLIP ON.
    - CONDENSER WATER PIPE GASKETS.
      - FOR SCREWED PIPING USE THREAD SEAL (PIFE)
      - FOR FLANGES USE RUBBER INSERTION.
  - CONDENSER WATER ISOLATION VALVES:**
    - ALL CHILLED WATER ISOLATING VALVES TO BE AS FOLLOWS:
      - #15 TO #50 : BALL VALVE SCREWED BSP ENDS.
      - #65 TO #150 : SHORT STEM BUTTERFLY VALVES.



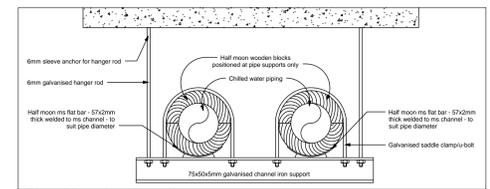
Chiller Plant - Ground Floor  
1:25



SECTION CC  
SCALE 1:25



Auto Air Vent  
NTS



Pipe Hanging Detail  
NTS