

5 MECHANICAL SYSTEM SCHEMATIC DRAWINGS

WATER SIDE SYSTEM: Heating Mode with Airside Economizer

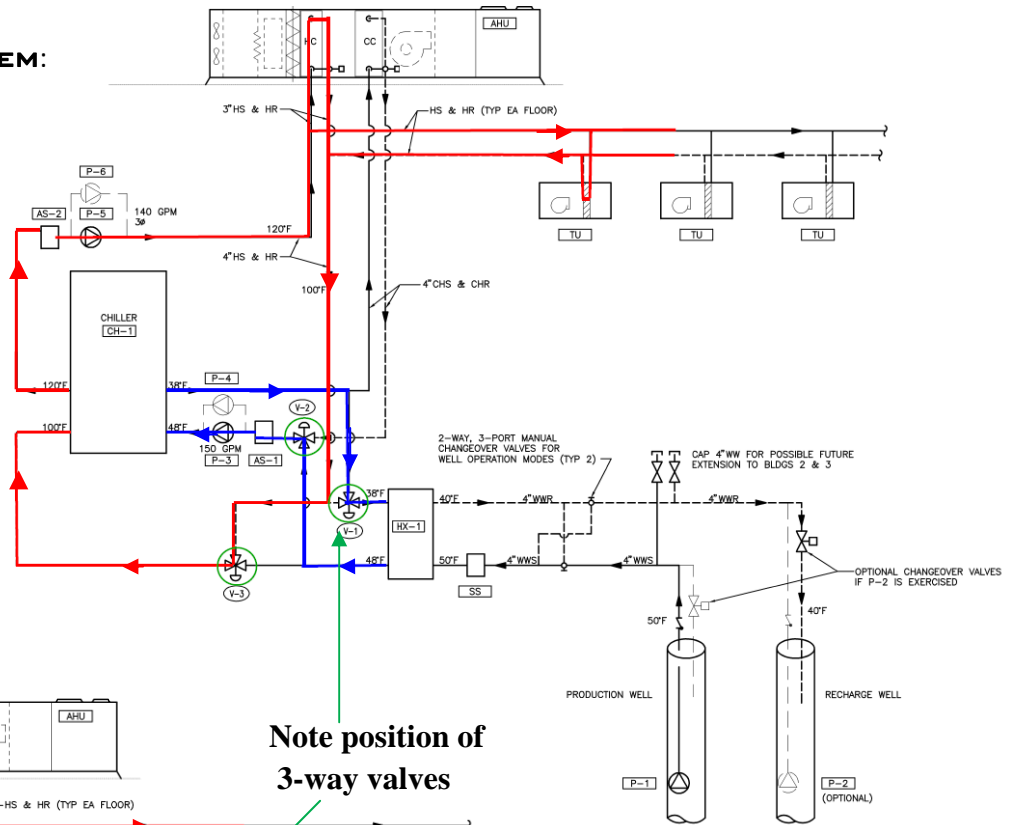


Figure 9.1. Water Side System in Heating Mode

WATER SIDE SYSTEM: Cooling Mode with Hot Water Reheat

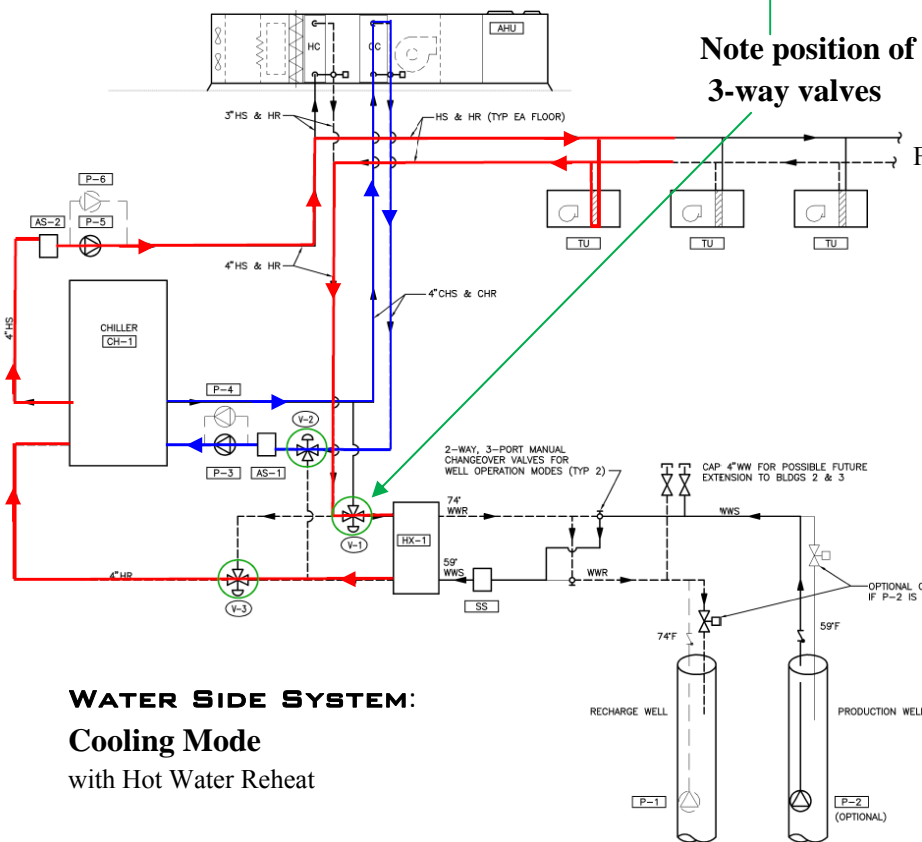


Figure 9.2. Water Side System in Cooling Mode

AIR SIDE SYSTEM:

A single rooftop AHU (with VFD) distributes air via a medium velocity duct system to the office section of the building. There are no drop ceilings in the offices, as to expose the duct work. Thus there is no plenum and square diffusers distribute air from the ceiling. Series VAV boxes with hot water reheats are located throughout the office. Return air is also ducted.