



3. This drawing shall not be used for construction purposes
4. Do not scale from this drawing either paper or digital form
5. Installation details are indicative, always follow manufacturers current recommendations
6. Equipment details refer to technical schedules
7. The drawings to be used for construction shall include drawings and technical specifications
8. All duct work to be installed in accordance with DW144
9. Fire dampers must be installed for all the services passing through fire compartments
10. The size of the dampers for Cycling Storage and Plant spaces will be closed during the smoke extraction mode for the smoke protection fan; and then, the motorized VCDs for G/F extraction corridor; Block B will be changed the dampers from the normal flow rate to smoke extraction flow rate. The motorized fire damper for Fresh Air make-up will be opened.

9. The ventilation shall comply with Part F minimum requirement.
10. Volume control dampers (VCDs) must be installed on every branch for system balancing.
11. All the ductwork connection to external facade shall be insulated for first 2metres
12. Ventilation units shall have silencers at supply, extract, fresh air intake and exhaust outlet to meet the acoustic requirement.
13. All the fan coil units shall have pumped condensate discharging into a nearest stack, route to be finalised on site.
14. External condenser shall mounted on anti vibration mounts and acoustic screen/louvre to acoustic consultants details

- Exhaust duct
- Supply duct
- Refrigerant pipes from ASHP to Hydro Unit
- Chilled Cool Water Pipe
- Booster Cold Water Supply Pipe
- Heating Water Pipe
- Hot Water Pipe
- Sprinkler /Dry Pipe
- Sewage Drainage Pipe
- Rainwater Drainage Pipe
- Sewage below Ground Drainage Pipe
- Rainwater below Ground Drainage Pipe

MCW	Main Cold Water Supply
HTW-F/R	Heating Water (Supply/Return)
BCWS	Boosted Cold Water Supply
DHW-F/R	Domestic Hot Water (Supply/Return)
CHW-F/R	Chilled Cool Water (Supply/Return)

————	Continuous line represents exposed pipes
-----	Dashed line represents low level (hidden in void) pipes
—	Dashdot line represents high level (hidden in void) pipes

Status **FOR INFORMATION**

Drawing Title
Combined Mechanical and Public Health Services at
Roof Floor Plan

Date:
Oct 2023

Drawing No.
49-C-8140

Revision:

P3

