

## Eat Bayside Buildings R3/R4

Preliminary mechanical rooms and shafts:

<b>ROOM/SHAFTS</b>	<b>CONDO</b>	<b>RETAIL</b>	<b>AFFORDABLE</b>
Chiller and pumps Double height space.	Assume two chillers. 2-pipe and 4-pipe FCU 125 sq m	70 sq m	80 sq m
Cooling tower located on the roof outside. 5m high screens.	Assume two cooling towers. 100 sq m	50 sq m	60 sq m
Boilers and DHW storage tanks. Double height space.	260 sq m	90 sq m	165 sq m
Main incoming water room with domestic and fire pumps	60 sq m	Served from condo	60 sq m
Emergency generator located on the roof.	40 sq m	Served from condo	40 sq m
Ventilation units located on the roof.	80 sq m Assume one unit can serve all condo	60 sq m	60 sq m
Amenity ventilation	60 sq m	N/A	N/A
Main vertical pipe shaft	2 sq m	1 sq m	2 sq m
Main vertical ventilation shaft	3 @ 0.5 sq m	1 @ 2 sq m	2 @ 0.5 sq m
Boiler flue shaft to roof	1.5 sq m	1 sq m	1.5 sq m
Food refrigeration equipment air cooled condensers. Locate outside or needs air circulation to/from outside.	N/A	Space above loading area for large number of air cooled condensers. Exhaust warm air to atmosphere.	N/A