

5D BIM QTO REQUIREMENT					
BIM Model LOD/Provision (General BQ/SOR in compliance with HKSM4)					
Item	System	Sub-system	Component	Required Info	Unit
1	Medical Gas System	Oxygen System	Pumps	Equipment ID Tag, flow rate (capacity), electrical circuits, labels, ancillary equipment, fixing accessories, fixing location.	No.
2	Medical Gas System	Oxygen System	Pipework	Material, class, system type, size or diameter, location, primer and painting if necessary	Run
3	Medical Gas System	Oxygen System	Valves	Material, type, size, functionality	No.
4	Medical Gas System	Oxygen System	Instrumentation	Type, functionality, fixing location, for which type of equipment and tag ID.	No.
5	Medical Gas System	Oxygen System	Outlets	Size of connected pipe, fixing location	No.
6	Medical Gas System	Oxygen System	Area valave service units (AVSU)	Type, functionality, fixing location, equipment and tag ID.	No.
7	Medical Gas System	Oxygen System	Changover Manifold	Type, functionality, fixing location, equipment and tag ID.	No.
8	Medical Gas System	Medical Vaccum System	Pumps	Equipment ID Tag, flow rate (capacity), electrical circuits, labels, ancillary equipment, fixing accessories, fixing location.	No.
9	Medical Gas System	Medical Vaccum System	Vaccum Plants	Equipment ID Tag, flow rate (capacity), electrical circuits, labels, ancillary equipment, fixing accessories, fixing location.	No.
10	Medical Gas System	Medical Vaccum System	Outlets	Size of connected pipe, fixing location	No.
11	Medical Gas System	Medical Vaccum System	Instrumentation	Type, functionality, fixing location, for which type of equipment and tag ID.	No.
12	Medical Gas System	Medical Alarm System	Control panels	Type, Equip ID no., fixing location, functionality, no. of zone, no. of BMS point, electrical provision, control circuit	No.
13	Medical Gas System	Medical Alarm System	Sign board or E&M Signage	Refer to the Specification.	No.