

5D BIM QTO REQUIREMENT

BIM Model LOD/Provision					
Item	System	Sub-system	Component	Required Info	Unit
1	P&D Services	Rainwater Disposal System	Pumps	Equipment ID Tag, flow rate (capacity), electrical circuits, ancillary equipment, fixing location	No.
2	P&D Services	Rainwater Disposal System	Pipework	Material, class, system type, size or diameter, location	Run
3	P&D Services	Rainwater Disposal System	Outlets	Material type, size, shape, grating size	No.
4	P&D Services	Rainwater Disposal System	Joints	Material type, size, fixing method	No.
5	P&D Services	Rainwater Disposal System	Instrumentation	Type, functionality, fixing location, for which type of equipment and tag ID	No.
6	P&D Services	Soil, Waste and Ventilation System	Pumps	Equipment ID Tag, flow rate (capacity), electrical circuits, labels, ancillary equipment, fixing location	No.
7	P&D Services	Soil, Waste and Ventilation System	Valves	Material, type, size, functionality of valves	No.
8	P&D Services	Soil, Waste and Ventilation System	Pipework	Material, class, system type, size or diameter, location	Run
9	P&D Services	Soil, Waste and Ventilation System	Floor drains	Material, Type, size or dia., grating size, type of trap	No.
10	P&D Services	Soil, Waste and Ventilation System	Sanitary Fittings	Type, model no. and name, location, fixing method, trap, power provision	No.
11	P&D Services	Soil, Waste and Ventilation System	Electrical Appliances	Type, location, fixing method, equip name and model no.	No.
12	P&D Services	Soil, Waste and Ventilation System	Connection to existing works	Size of pipework, connection method, location, fixing accessories	No.
13	P&D Services	Incoming Water Supply System	Pipework	Material, class, system type, size or diameter, location	Run
14	P&D Services	Incoming Water Supply System	check meters	Type, size, location, system name	No.
15	P&D Services	Incoming Water Supply System	Joints	Material, type, size, fixing method	No.
16	P&D Services	Potable Water System	Pumps	Equipment ID Tag, flow rate (capacity), electrical circuits, labels, ancillary equipment, fixing accessories, fixing location	No.
17	P&D Services	Potable Water System	Pipework	Material, class, system type, size or diameter, location.	Run
18	P&D Services	Potable Water System	Valves	Material, type, size, functionality of valves	No.
19	P&D Services	Potable Water System	Switches	Type, equip name, functionality, location	No.
20	P&D Services	Potable Water System	Joints	Material, type, size, fixing method	No.
21	P&D Services	Potable Water System	Instrumentation	Type, functionality, fixing location, for which type of equipment and tag ID	No.
22	P&D Services	Potable Water System	Tanks	Capacity (Litre), material, type, tank accessories etc.	No.
23	P&D Services	Non-Potable Water System	Pumps	Equipment ID Tag, flow rate (capacity), electrical circuits, labels, ancillary equipment, fixing location	No.
24	P&D Services	Non-Potable Water System	Pipework	Material, class, system type, size or diameter, location	Run
25	P&D Services	Non-Potable Water System	Valves	Material, type, size, functionality of valves	No.
26	P&D Services	Non-Potable Water System	Switches	Type, equip name, functionality, location	No.
27	P&D Services	Non-Potable Water System	Joints	Material, type, size, fixing method	No.
28	P&D Services	Non-Potable Water System	Instrumentation	Type, functionality, fixing location, for which type of equipment and tag ID.	No.
29	P&D Services	Non-Potable Water System	Tanks	Capacity (Litre), material, type, tank accessories etc.	No.
30	P&D Services	Flushing Water System	Pumps	Equipment ID Tag, flow rate (capacity), electrical circuits, labels, ancillary equipment, fixing accessories, fixing location.	No.
31	P&D Services	Flushing Water System	Pipework	Material, class, system type, size or diameter, location.	Run
32	P&D Services	Flushing Water System	Valves	Material, type, size, functionality of valves	No.
33	P&D Services	Flushing Water System	Switches	Type, equip name, functionality, location	No.
34	P&D Services	Flushing Water System	Joints	Material, type, size, fixing method	No.
35	P&D Services	Flushing Water System	Instrumentation	Type, functionality, fixing location, for which type of equipment and tag ID.	No.
36	P&D Services	Flushing Water System	Tanks	Capacity (Litre), material, type, tank accessories etc.	No.
37	P&D Services	Hot Water System	Pumps	Equipment ID Tag, flow rate (capacity), electrical circuits, ancillary equipment, fixing accessories, fixing location, insulation (type and thickness) if any.	No.
38	P&D Services	Hot Water System	Pipework	Material, class, system type, size or diameter, location, insulation (type and thickness)	Run
39	P&D Services	Hot Water System	Valves	Material, type, size, functionality of valves, insulation (type and thickness) if any	No.
40	P&D Services	Hot Water System	Switches	Amp, type, equip name, functionality, fixing location	No.
41	P&D Services	Hot Water System	Joints	Material, type, size, fixing method	No.
42	P&D Services	Hot Water System	Instrumentation	Type, functionality, fixing location, for which type of equipment and tag ID.	No.
43	P&D Services	Hot Water System	Tanks	Capacity (Litre), material, type, insulation (type and thickness) if any, tank accessories etc.	No.
44	P&D Services	Hot Water System	Heaters	Type, functionality, fixing location, tag ID, insulation (type and thickness) if any	No.
45	P&D Services	Cleansing Water System	Pumps	Equipment ID Tag, flow rate (capacity), electrical circuits, labels, ancillary equipment, fixing accessories, fixing location.	No.
46	P&D Services	Cleansing Water System	Pipework	Material, class, system type, size or diameter, location.	Run
47	P&D Services	Cleansing Water System	Valves	Material, type, size, functionality of valves	No.
48	P&D Services	Cleansing Water System	Instrumentation	Type, functionality, fixing location, for which type of equipment and tag ID.	No.
49	P&D Services	Cleansing Water System	Joints	Material, type, size, fixing method	No.
50	P&D Services	Electrical Power and Control	Local control panels for pumps	Type, Equip name and ID no., location, functionality, no. of zone, no. of BMS point, electrical provision, control circuit	No.
51	P&D Services	Electrical Power and Control	Final circuit (power & control) to individual panels, field devices, equipment	Location, size and no. of cable and wiring, from point to point, distribution board reference.	No.
52	P&D Services	General Works	Sign board or E&M Signage	Refer to the Specification.	No.