01 Equipment Schedules

ITEM	REFERENCE	LOCATION	QTY	MAKE/SUPPLIER	MODEL/RANGE	DESIGN DUTY	COMMENTS
ASHP	ASHP 1	EXTERNAL PLANT COMPOUND	1	THERMONOVA	Nova 330	330 kW (225 kW @ -5°C external, 70°C flow)	DIMENSIONS: 2440 H x 1540 W x 7200 L UNIT WEIGHT : 3568 kg TOTAL ELECITRICAL POWER : 115.3kW REFIRGERANT TYPE: (R290)
THERMAL STORE	BV/01	EXTERNAL PLANT COMPOUND	1	Rycroft	1 x 2000-LITRE MILD STEEL VERTICAL BUFFER VESSEL	Total 2000 LITRES	DIMENSIONS: 2000 H x 2400DIA MAX WORKING PRESSURE: 6.0 BAR (GAUGE) TO BE SUPPLIED WITH DN50 PRIMARY & SECONDARY FLOW & RETURN CONNECTIONS, THERMOMETER, 1'' DRAIN, MANHOLE/INSPECTION CHAMBER, TEMPERATURE SENSOR POCKETS, LIFTING LUGS & AIR VENT 100MM INSULATION.
HOT WATER HEAT PUMPS	HWHP/01 HWHP/02 HWHP/03	ROOF LEVEL PLANTROOM	3	LOCHINVAR	AMICUS AQUASTORE LAAS 8-455-12	455 LITRES, HEATING CAPACITY 20 kW	DIMENSIONS: 1770 H x 785 W x 995 D HEATING CAPACITY HEAT PUMP: 8kW HEATING CAPACITY ELECTRICAL ELEMENTS:12 kW TOTAL HEATING CAPACITY: 20 kW FLOW RATE @50 DEG C PEAK HOUR (HEAT PUMP ONLY): 360 LITRES FLOW RATE @50 DEG C PEAK HOUR (HEAT PUMP ONLY & IMMERSION): 490 LITRES PEAK CURRENT (=L2): 30 AMPS MAXIMUM INPUT (L2) – BACK UP ELEMENT 1 + CONTROLS + FANS: 30 AMPS MAXIMUM INPUT (L2) – BACK UP ELEMENT 2: 26.1 AMPS REFRIGERANT: R134 TANK VOLUME: 455 LITRES WIEGHT (FULL): 684 kg POWER SUPPLY: 400 Vac/3N