

**Completion of Construction works at ERF 808 Germiston Fire Station Phase II Social Housing Project.  
299 Victoria Street Germiston, JHB, 1401**

<b>HVAC Equipment Specifications</b>				
<b>No.</b>	<b>Equipment</b>	<b>Location</b>	<b>Qty</b>	<b>Main Rating / Description</b>
1	High Wall Indoor Unit 1	Ground & First Floor	5	Cooling 3.6 kW; Heating 4.0 kW; 1Ph / 220–240 V / 50 Hz; Power 0.08 kW
2	High Wall Indoor Unit 2	Ground Floor	2	Cooling 2.2 kW; Heating 2.5 kW; 1Ph / 220–240 V / 50 Hz; Power 0.08 kW
3	Ceiling Cassette Indoor Unit 1	Ground & First Floor	5	Cooling 5.0 kW; Heating 6.0 kW; 1Ph / 220–240 V / 50 Hz; Power 0.08 kW
4	Ceiling Hideaway Indoor Unit	First Floor	1	Cooling 28.0 kW; Heating 17.4 kW; Air supply 600 L/s @ 300 Pa
5	Roof-Mounted Packaged Air Handling Unit	Roof	1	Cooling 53 kW; Heating 56 kW; Air supply 3,300 L/s @ 300 Pa; 3Ph / 380–415 V; Power 25.0 kW
6	Condensing Unit 1	Roof	1	Cooling 50.4 kW; Heating 56.7 kW; 3Ph / 380–415 V; Power 12.88 kW; Refrigerant R410A
7	Condensing Unit 2	Roof	1	Cooling 61.6 kW; Heating 69.3 kW; 3Ph / 380–415 V; Power 16.7 kW; Refrigerant R410A
8	Kitchen Extraction Fan	Ground Floor	1	300 mm $\varnothing$ ; 340 L/s @ 200 Pa; 1Ph / 220–240 V; Power 0.25 kW; Current 1.2 A
9	Ablution Extraction Fan Type 1	Ground Floor	6	150 x 150 mm; 22 L/s @ 200 Pa; Power 0.10 kW; Current 0.45 A
10	Ablution Extraction Fan Type 2	Ground Floor	1	200 x 200 mm; 100 L/s @ 200 Pa; Power 0.20 kW; Current 0.90 A
11	Ablution Extraction Fan Type 3	First & Second Floor	2	250 mm $\varnothing$ ; 260 L/s @ 200 Pa; Power 0.25 kW; Current 1.2 A
12	Supply Air Diffuser 1	First Floor	8	600 x 600 mm ceiling diffuser
13	Supply Air Diffuser 2	Second Floor	14	600 x 600 mm ceiling diffuser
14	Return Air Grille 1	First & Second Floor	2	600 x 450 mm return-air grille
15	Disc Valve	First & Second Floor Ablutions	8	150 x 150 mm extract disc valve
16	Supply / Return / Extract Ductwork	All floors & roof	As shown	Galvanised steel ductwork, circular and rectangular sizes as indicated
17	Refrigerant Pipework	Indoor units to roof condensers	As required	Refrigeration-grade copper pipework with insulation