



Ground Floor Constant Volume Terminals						
Irem No.	QTY	Description	Nominal Size LxW / $\phi$	Flexible Size $\phi$	Air Volume	Volume Control Damper
T1	9	METAL EXTRACT AIR DISC VALVE	$\phi$ 200	-	-	Yes
T4	29	RAG 45°	600x600	-	400 max	Yes
T3	0	METAL SUPPLY AIR DISC VALVE	600x600	150	60	Yes
T5	48	METAL SUPPLY AIR DISC VALVE	600x600	200	88	Yes
T6	3	METAL SUPPLY AIR DISC VALVE	600x600	200	120	Yes
T7	14	METAL SUPPLY AIR DISC VALVE	600x600	250	140	Yes

Block F Ground Floor In-Ceiling Fan Coil Units					
Item No	QTY	Description	Supply Air (l/s)	Cooling Capacity (kW)	Input Power (V/PH/Hz)
IU.F.0.1	1	Concealed ceiling mounted	175 l/s	6.8 kW	230/1/50
IU.F.0.2	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
IU.F.0.3	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.4	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.5	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.6	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.7	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
IU.F.0.8	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
IU.F.0.9	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.10	1	Concealed ceiling mounted	175 l/s	6.8 kW	230/1/50
IU.F.0.11	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.12	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.13	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.14	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.15	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.17	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.18	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
IU.F.0.19	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
IU.F.0.20	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.21	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.22	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.23	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
IU.F.0.24	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.25	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
IU.F.0.26	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.27	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
IU.F.0.28	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
IU.F.0.29	1	Concealed ceiling mounted	175 l/s	6.8 kW	230/1/50

- 2.1. ALL OPENINGS TO BE 100mm BIGGER THAN DUCT SIZES SHOWN AND TO BE MADE GOOD AFTER DUCTING HAS BEEN INSTALLED - BY BUILDER.
- 2.2. ALL OPENINGS TO BE 50mm BIGGER THAN GRILLE SIZES WHICH INCLUDES A 20mm THICK TIMBER FRAME ALL ROUND OPENING - BY BUILDER.
- 2.3. SLEEVES IN WALLS, IN SLABS AND BEAMS FOR REFRIGERANT PIPES AND DRAINS TO BE MADE GOOD AFTER SERVICES HAVE BEEN INSTALLED - BY BUILDER.
- 2.4. ALL PLANTROOMS TO HAVE FLOOR DRAIN AND WATER POINT.

**LEGEND:**

	CASSETTE
	MIDWALL
	INVERTER TYPE OUTDOOR UNIT
	INLINE TUBE FAN
	CEILING FAN
	DISC VALVE
	DOOR GRILLE
	COLD WATER SUPPLY PIPING
	WARM WATER SUPPLY PIPING

[illegible]

DRAWING STATUS:	
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FOR TENDER

# PLANTECH

ELECTRICAL, MECHANICAL & FIRE CONSULTING  
ENGINEERS

1<sup>st</sup> FLOOR, BLOCK B, SUSSEX OFFICE PARK  
473 LYNNWOOD ROAD  
LYNNWOOD  
PRETORIA  
GAUTENG

TEL: (012) 349-2253 E-MAIL: [plantech@plantech.co.za](mailto:plantech@plantech.co.za)

CLIENT:	PROJECT ADDRESS:
SARS (BROOKLYN)	570 FEHRSEN STREET BROOKLYN PRETORIA 0181

PROJECT:	BROOKLYN SARS HVAC SERVICES
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TITLE:  
BLOCK F - GROUND FLOOR HVAC LAYOUT

PROJECT No:	DWG No:	REV:	SHEET SIZE
A2121	MH- 010- F- L0C	1	A1

SCALE:	1 : 100	DESIGNED:	K. DE JAGER
DRAWN:	W. DE KLERK	CHECKED:	K. DE JAGER
DATE:	2022/08/11	APPROVED:	K. DU PLESSIS

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