



Second Floor Constant Volume Terminals						
Irem No.	QTY	Description	Nominal Size LxW / ϕ	Flexible Size ϕ	Air Volume (l/s)	Volume Control Damper
T1	8	METAL EXTRACT AIR DISC VALVE	ϕ 200	-	-	Yes
T4	34	METAL RETURN AIR GRILLE RAG 45°	600x600	-	400 max	Yes
T6	21	METAL SUPPLY AIR DISC VALVE	600x600	200	120	Yes
T7	60	METAL SUPPLY AIR DISC VALVE	600x600	250	140	Yes

Item No	QTY	Description	Supply Air (l/s)	Cooling Capacity (kW)	Input Power (V/PH/Hz)
I.U.D.2.1	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
I.U.D.2.2	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
I.U.D.2.3	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
I.U.D.2.4	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
I.U.D.2.5	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
I.U.D.2.6	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
I.U.D.2.7	1	Concealed ceiling mounted	175 l/s	6.8 kW	230/1/50
I.U.D.2.8	1	Concealed ceiling mounted	175 l/s	6.8 kW	230/1/50
I.U.D.2.9	1	Concealed ceiling mounted	175 l/s	6.8 kW	230/1/50
I.U.D.2.10	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
I.U.D.2.11	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
I.U.D.2.12	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
I.U.D.2.13	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
I.U.D.2.14	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
I.U.D.2.15	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
I.U.D.2.16	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
I.U.D.2.17	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
I.U.D.2.18	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
I.U.D.2.19	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
I.U.D.2.20	1	Concealed ceiling mounted	175 l/s	6.8 kW	230/1/50
I.U.D.2.21	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
I.U.D.2.22	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
I.U.D.2.23	1	Concealed ceiling mounted	175 l/s	6.8 kW	230/1/50
I.U.D.2.24	1	Concealed ceiling mounted	175 l/s	6.8 kW	230/1/50
I.U.D.2.25	1	Concealed ceiling mounted	87 l/s	3.0 kW	230/1/50
I.U.D.2.26	1	Concealed ceiling mounted	175 l/s	6.8 kW	230/1/50
I.U.D.2.27	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
I.U.D.2.28	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
I.U.D.2.29	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
I.U.D.2.30	1	Concealed ceiling mounted	175 l/s	6.8 kW	230/1/50
I.U.D.2.31	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
I.U.D.2.32	1	Concealed ceiling mounted	175 l/s	6.8 kW	230/1/50
I.U.D.2.33	1	Concealed ceiling mounted	140 l/s	4.8 kW	230/1/50
I.U.D.2.34	1	Concealed ceiling mounted	140 l/s	4.8 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.

[illegible]

DRAWING STATUS:			
<h1 style="margin: 0;">PLANTECH</h1> <p style="margin: 0;">ELECTRICAL, MECHANICAL & FIRE CONSULTING ENGINEERS</p>			
1 st FLOOR, BLOCK B, SUSSEX OFFICE PARK 473 LYNNWOOD ROAD LYNNWOOD PRETORIA GAUTENG			
TEL: (012) 349-2253		E-MAIL: plantech@plantech.co.za	
CLIENT:		PROJECT ADDRESS:	
SARS (BROOKLYN)		570 FEHRSEN STREET BROOKLYN PRETORIA 0181	
PROJECT:			
BROOKLYN SARS HVAC SERVICES			
TITLE:			
BLOCK D - SECOND FLOOR HVAC LAYOUT			
PROJECT No:	DWG No:	REV:	SHEET SIZE
A2121	MH- 010- A- L2C	B	A1
SCALE:	1 : 100	DESIGNED:	Designer
DRAWN:	Author	CHECKED:	Checker
DATE:		APPROVED:	Approver
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