



First Floor Constant Volume Terminals						
Irem No.	QTY	Description	Nominal Size LxW / ϕ	Flexible Size ϕ	Air Volume	Volume Control Dampner
T1	8	METAL EXTRACT AIR DISC VALVE	\varnothing 200	-	-	Yes
T4	30	RAG 45°	600x600	-	400 max	Yes
T3	0	METAL SUPPLY AIR DISC VALVE	600x600	150	60	Yes
T5	14	METAL SUPPLY AIR DISC VALVE	600x600	200	88	Yes
T6	2	METAL SUPPLY AIR DISC VALVE	600x600	200	120	Yes
T7	42	METAL SUPPLY AIR DISC VALVE	600x600	250	140	Yes










1. GENERAL NOTES:

- 1.1. THIS DRAWING FORMS PART OF THE SPECIFICATION AND MUST BE READ IN CONJUNCTION WITH THE SAME.
- 1.2. ALL DUCTWORK TO BE MANUFACTURED IN ACCORDANCE WITH SANS-1238-2005 & ANS-10173-2003. LOW VELOCITY DUCT STANDARDS.
- 1.3. ALL DUCT SIZES SHOWN ARE ACTUAL SHEETMETAL SIZES.
- 1.4. ALL SUPPLY & RETURN DUCTS TO BE EXTERNALLY INSULATED WITH 25mm FRK.INSULATION, UNLESS OTHERWISE SPECIFIED.
- 1.5. ALL VENTILATION DUCTS TO BE UNINSULATED UNLESS SPECIFIED.
- 1.6. ALL EXPOSED DUCTS TO BE PAINTED TO SPECIFICATIONS.
- 1.7. ALL BENDS TO HAVE MINIMUM INTERNAL RADIUS 150mm, AND SPLITTERS UNLESS OTHERWISE SPECIFIED.
- 1.8. ALL ROUND DUCT BENDS UP TO Ø500mm - RADIUS 200mm AND OVER Ø500mm - RADIUS 300mm.
- 1.9. ALL DUCT SHOES TO BE 150mm LONG @ 45°.
- 1.10. ALL SPIGOTS TO BE 100mm LONG, UNLESS OTHERWISE STATED.
- 1.11. REFRIGERANT PIPING TO BE COPPER AND INSULATED.
- 1.12. ALL REFRIGERANT PIPING TO BE NEATLY ROUTED AND INSTALLED ON GALVANIZED CABLE TRAYS, UNLESS OTHERWISE SPECIFIED.
- 1.13. ALL DRAINS TO BE Ø32mm RIGID PVC WITH A 1:100 MINIMUM FALL.
- 1.14. ALL SMOKE EXTRACT DUCTING TO BE 1mm MINIMUM THICKNESS.
- 1.15. ALL DUCTING ENTERING THE BUILDING WILL BE LEVELED IN SUCH A WAY THAT THE DUCTING SLOPES AWAY FROM THE BUILDING AT A FALL OF 1:100.

2. BUILDERSWORK NOTES:

- 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:

FOR TENDER

PLANTECH
ELECTRICAL, MECHANICAL & FIRE CONSULTING
ENGINEERS

1st FLOOR, BLOCK B, SUSSEX OFFICE PARK
473 LYNNWOOD ROAD
LYNNWOOD
PRETORIA
GAUTENG



TEL: (012) 349-2253

E-MAIL: plantech@plantech.co.za

CLIENT:

SARS (BROOKLYN)

PROJECT ADDRESS

570 FEHRSEN STREET
BROOKLYN
PRETORIA
0181

PROJECT:

BROOKLYN SARS HVAC SERVICES

TITLE:

BLOCK F - FIRST FLOOR HVAC LAYOUT

PROJECT No.	DWG No.
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A2121	MH- 010- F- L1C
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REV:	SHEET
1	SIZE A1

SCALE:	1 : 100
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DESIGNED:	K. DE JAGER
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DRAWN: W. DE KLUYTER

CHECKED: K. DE JAGER

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SHEET: 1 OF 1