



SCALE : 1 : 100

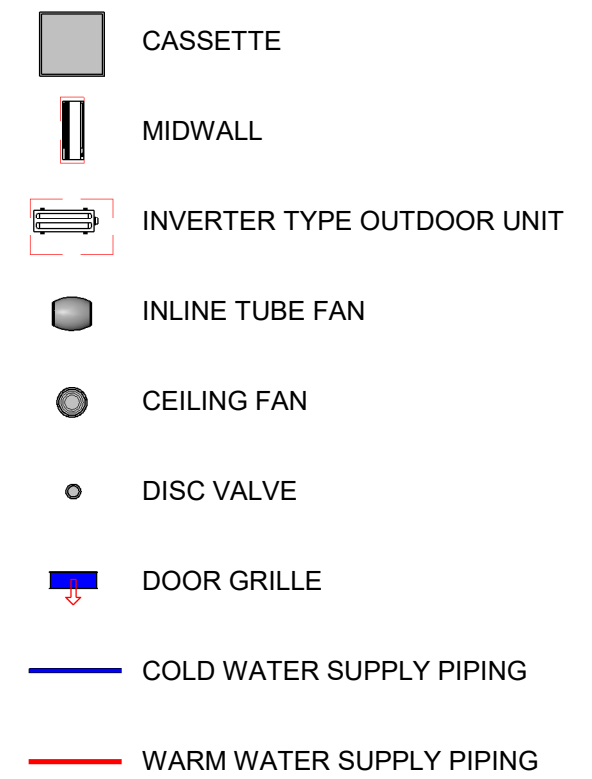
1. GENERAL NOTES:

- 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:

[illegible]

DRAWING STATUS:		

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

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

TITLE:  
BLOCK A - FIRST FLOOR HVAC LAYOUT

PROJECT NO:	DWG NO:	REV:	SHEET SIZE
A2121	MH- 010- A- L1C	A	A1
SCALE:	1 : 100	DESIGNED:	Designer
DRAWN:	Author	CHECKED:	Checker
DATE:		APPROVED:	Approver
COPYRIGHT RESERVED			