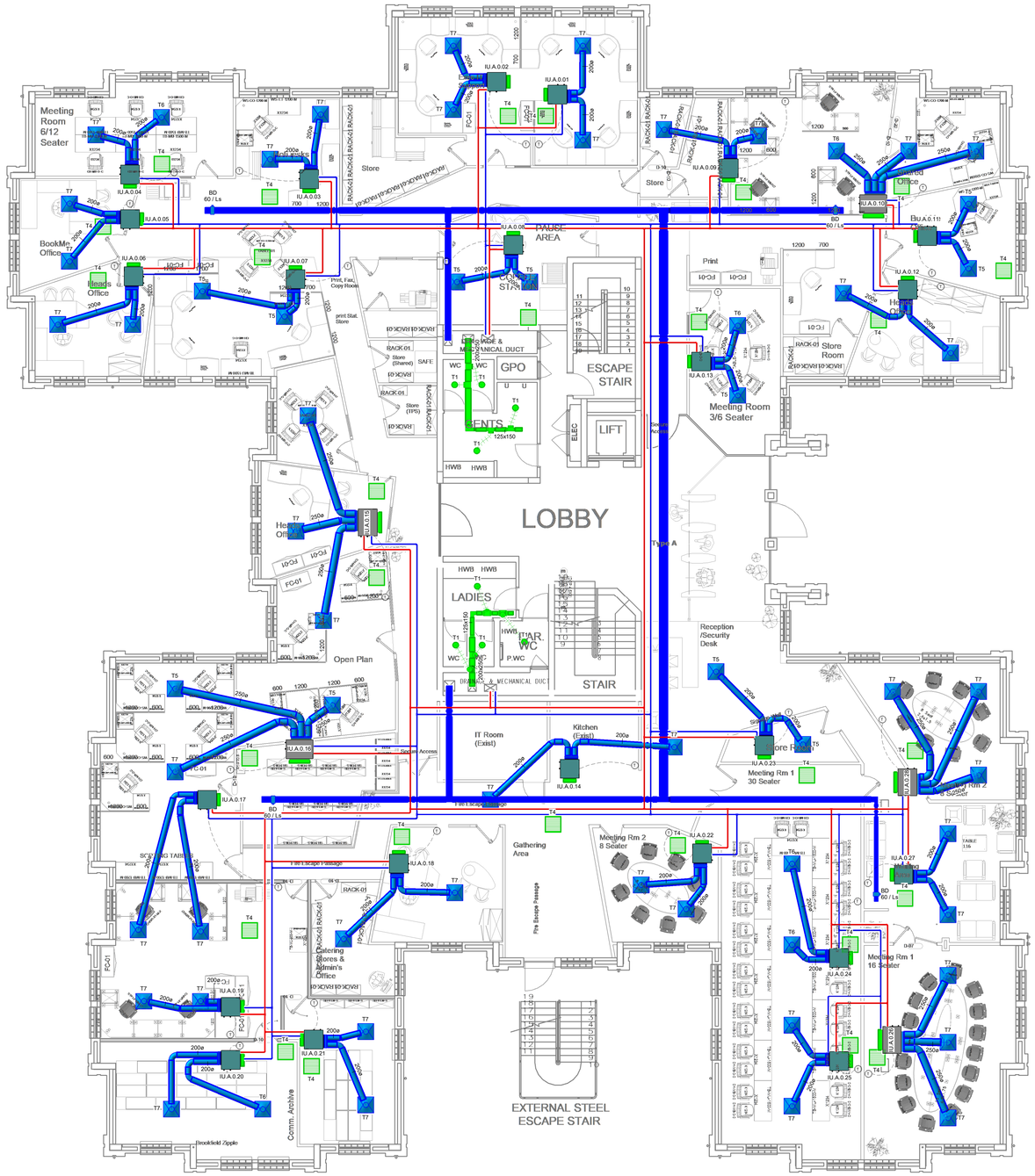

Lvl 00 - Ground Floor

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 & RERURN 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 RADIUM 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 @ 45º.
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.

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LEGEND:

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

REVISIONS

Rev	Date	By	Description	App
A	2023/01/26	WDK	ISSUED FOR TENDER	K.DJ

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 A - GROUND FLOOR HVAC LAYOUT

PROJECT No.	DWG No:	REV:	SHEET SIZE
A2121	MH- 010- A- L0C	A	A1

SCALE:	1 : 100	DESIGNED:	K. DE JAGER
DRAWN:	K. DE JAGER	CHECKED:	K. DE JAGER
DATE:	2022/05/25	APPROVED:	K. DU PLESSIS
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HO-01-PT-lehae-A-00		2022/03	N/A