



GROUND FLOOR HVAC LAYOUT (OPTION 2)  
1 : 50

- NOTES:
- DUCTING TO BE MANUFACTURED IN ACCORDANCE TO SMACNA STANDARDS
  - ALL DUCT DIMENSIONS INCLUDING DIMENSIONS FOR INSULATED DUCTS REFERS TO THE SHEET METAL SIZE.
  - ALL DUCT PASSING THROUGH CONCRETE OR BRICK WALLS SHALL BE ISOLATED FROM THE WALLS BY MEANS OF A HIGH DENSITY GLOSS FIBRE COLLAR OF AT LEAST 25mm IN THICKNESS.
  - GALVANISED STEEL SHALL BE USED FOR ALL AIR CONDITIONING AND VENTILATION DUCTING
  - ALL DUCTING SHALL BE PROVIDED WITH MEEZ FLANGES.
  - ALL SUPPLY AND RETURN AIR DUCTING EXPOSED TO OUTDOORS SHALL BE EXTERNALLY DOUBLE CLAUDED AND INSULATED AGAINST DIRECT SOLAR HEAT GAINS.
  - ALL OPEN END DUCTS TO BE CAPPED OFF WITH PLASTIC PRIOR TO DELIVERY TO SITE.
  - DUCT HANGERS

LONGEST DUCT DIMENSION (mm)	ROUND HANGER (mm)	GALVANISED STRIP HANGERS (mm)	SHELF ANGLES (mm)	HANGER SPACING (mm)
UP TO 100	6	25x16	25x25x3	3.0
101 TO 199	8	25x16	25x25x3	3.0
200 TO 299	10	25x16	25x25x3	2.4
300 TO 399	12	25x16	25x25x3	2.4

- ALL DIFFUSER SUPPLY FLEXIBLE TO COME ON JUMBLE CLAMPS AND SEALD WITH DUCT TAPE ON FINAL INSTALLATION.
- ALL SUPPLY AIR DUCTING TO BE INSULATED EXTERNALLY WITH 25mm POLY FIBRE GLASS TYPE FRK - ONLY AC DUCT
- ALL FLEXIBLES TO BE THERMALLY INSULATED - ONLY AC DUCT

- LEGEND
- WALL MOUNTED THERMOSTAT MOUNTED @ 1450mm A.F.F.
  - ABOVE CEILING CONTROL THERMOSTAT LINKED @ DIFFUSER.
  - CEILING MOUNTED TEMPERATURE SENSOR LINKED TO BMS. (ALL SCREEN CONTROL CABLES TO RUN IN ROOM UNITS)
  - STATIC PRESSURE SENSOR MOUNTED IN DUCT
  - ZONE TEMPERATURE SENSOR @ RETURN AIR DUCT
  - DOOR UNDERCUT - 4mm
- ELECTRICAL LEGEND
- 1 PHASE ELECTRICAL EQUIPMENT
  - 3 PHASE ELECTRICAL EQUIPMENT
  - SA PLUG COMPLETE WITH SHAVED EARTH PINS
  - AC DB
  - P 8000 UNISTRUT 2 OFF

CLIENT

**NATIONAL HEALTH LABORATORY SERVICE**

ARCHITECTS

**THE CREATIVE AXIS ARCHITECTS**

REVISIONS

REV.	DATE	BY	DESCRIPTION
A	2023/08/10	NK	ISSUED FOR TENDER/NOTICE
B	2023/08/10	NK	ISSUED FOR CONSTRUCTION

ISSUED FOR

PRELIMINARY	COUNCIL SUBMISSION
	<input checked="" type="checkbox"/>
APPROVAL	INFORMATION
COSTING	CONSTRUCTION
TENDER	AS BUILT

**NHLS LAB EVANDER HOSPITAL**

Project

**GROUND FLOOR HVAC LAYOUT (OPTION 2)**

Description

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ARCHITECTS REFERRAL DRAWINGS

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EM	NK			06/12/25

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Drawn: A10110-MV-601

Scale: As Indicated

Rev: B