



GROUND FLOOR PLAN - PROPOSED LAYOUT
SCALE 1 : 100

LEGEND

- [T] WALL MOUNTED THERMOSTAT MOUNTED @ 1450mm
A.F.F.L
[CT] ABOVE CEILING CONTROL THERMOSTAT LINKED @
DIFFUSER
[S] CEILING MOUNTED TEMPERATURE SENSOR LINKED TO BMS.
(ALL SCREEN/CONTROL CABLES TO RUN IN P8000 UNISTRUT).
[SS] STATIC PRESSURE SENSOR MOUNTED IN DUCT
[BTS] ZONE TEMPERATURE SENSOR @ RETURN AIR DUCT
* DOOR UNDERCUT - 40mm

ELECTRICAL LEGEND

- 1P 1 PHASE ELECTRICAL EQUIPMENT
3P 3 PHASE ELECTRICAL EQUIPMENT
5A PLUG COMPLETE WITH SHAVED EARTH PINS
AC-DB
P 8000 UNISTRUT 2 OFF

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 MEZZ FLANGES.
 - ALL SUPPLY AND RETURN AIR DUCTING EXPOSED TO OUTDOORS SHALL BE EXTERNALLY DOUBLE CLADDED 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 | HANGER SPACING (m) |
|-----------------------------|-------------------|-------------------------------|--------------|--------------------|
| UP TO 760 | 6 | 25x16 | 25x25x3 | 3.0 |
| 761 TO 1000 | 10 | 25x16 | 38x38x3 | 3.0 |
| 1000 TO 2100 | 10 | 25x16 | 50x50x3 | 2.4 |
| 2100 TO 2400 | 10 | 25x16 | 50x50x6 | 2.4 |
| 2401 TO ABOVE | 12 | 25x16 | 50x50x6 | 2.4 |
- ALL DIFFUSER SUPPLY FLEXIBLE TO COME c/w JUBILEE CLAMPS AND SEALED WITH DUCT TAPE ON FINAL INSTALLATION.
 - ALL SUPPLY AIR DUCTING TO BE INSULATED EXTERNALLY WITH 25mm FOIL FACED FIBREGLASS TYPE FRK - ONLY AC DUCT
 - ALL FLEXIBLES TO BE THERMALLY INSULATED - ONLY AC DUCT

CLIENT



ARCHITECTS



REVISIONS

REV.	DATE	BY	DESCRIPTION
A	28/03/2023	N.K	ISSUED FOR INFORMATION

ISSUED FOR

PRELIMINARY	COUNCIL SUBMISSION
APPROVAL	INFORMATION
COSTING	CONSTRUCTION
TENDER	AS BUILT

SABC CANTEEN
UPGRADES

Project

AIR CONDITIONING
GROUND FLOOR

Description



MEP House
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Meyersdal
Alberton

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Drawn By N.K	Design By W.M	Project Engineer	Pt. Registration	Date 27/03/2023
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Discipline MECHANICAL	Senior Engineer W.N	Pt. Registration	Scale As indicated
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Drawing No SK 02	Rev A
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REFERRAL DRAWINGS

DRAWING DESCRIPTION	DRAWING NO.	REV	REV DATE

AIR TERMINAL SCHEDULE			
DISCRIPTION	MARK	SIZE	COUNT
AIR DIFFUSER	FAG	300 X 300	1
AIR GRILLE	FA	450 X 450	5
AIR DIFFUSER	WL	600 X 600	41
AIR GRILLE	WT	300 X 300	6
AIR GRILLE	FAT	1200 X 400	14