

NOTAS - NOTES

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND OTHER SPECIALIST DRAWINGS, DETAILS AND SPECIFICATIONS.

ONLY WRITTEN DIMENSIONS & LEVELS ARE TO BE USED THIS DRAWING SHOULD NOT BE SCALED

THE ENGINEER'S WRITTEN APPROVAL SHALL BE OBTAINED BEFORE ANY VARIATIONS TO DRAWN DETAILS ARE IMPLEMENTED.

THE ENGINEER SHALL BE NOTIFIED, WITHOUT DELAY, IF ANY DISCREPANCIES EXIST BETWEEN DRAWN DETAILS AND THE SPECIFICATION.

THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE LOCAL AUTHORITIES AND/OR STATUTORY BODIES WITH RESPECT TO CONSTRUCTION AND SAFETY REGULATIONS.

LEGEND - HVAC

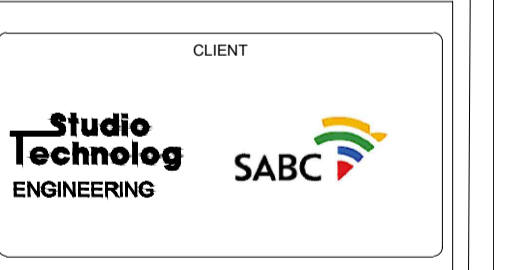
[Symbol]	UNRAID DUCTING
[Symbol]	DOUBLE END RAISED DUCTING INTERNAL OVERLAPPING JOINTS
[Symbol]	CHILLED WATER FLOW
[Symbol]	CHILLED WATER RETURN
[Symbol]	SINGLE PHASE OUTDOOR ELECTRICAL EQUIPMENT CASES
[Symbol]	THREE PHASE OUTDOOR ELECTRICAL EQUIPMENT CASES

REVISION SCHEDULE

NO.	WORKS DESCRIPTION	DATE	HAND T.
FOR TENDER		2026-04-14	LT

CLIENT APPROVAL

NAME: _____
 CAPACITY: _____
 SIGNATURE: _____
 DATE: _____



DISCIPLINE: MECHANICAL

PROJECT NAME: **SABC RADIO PARK ENGINEERING**

DRAWING TITLE: **HVAC - UPS & GENERATOR FLOOR LAYOUT - K1**

SABC RADIO PARK

PROJECT #	DATE	DESIGN / DRAWN
MN10004	14/02/2026	LT
DRAWING NUMBER	SCALE	CHECKED
MN10004-M001	1 : 100	LT
		REVISION
		TD

SCHEDULE 01 - AIR HANDLING UNIT (AHU1)

TYPE MARK	SIZE (H x W x D) [mm]	WEIGHT [kg]	Electrical Requirements [V/phase/Hz]	Capacity [kW]	Quantity
AHU	1302X3300X1630	737	400/3/50	9.0 kW	2

SCHEDULE 02 - DX DOWN BLOW CONDENSER UNIT

TYPE MARK	SIZE (H x W x D) [mm]	WEIGHT [kg]	Quantity
DX-DBC	1090X2010X600	170	4

SCHEDULE 03 - DX DOWNBLOWER UNIT (NEO 902)

TYPE MARK	SIZE (H x W x D) [mm]	WEIGHT [kg]	Electrical Requirements [V/phase/Hz]	Capacity [kW]	Quantity
DX-DB	1900x2200x800	705	400/3/50	36.5 kW	2

SCHEDULE 04 - CHILLED WATER UP BLOWER UNIT (NERO 80)

TYPE MARK	SIZE (H x W x D) [mm]	WEIGHT [kg]	Electrical Requirements [V/phase/Hz]	Capacity [kW]	Quantity
CW-UB	1900x2200x800	428	400/3/50	17.5 kW	2

SCHEDULE 05 - EXTRACTION AIR FAN

TYPE MARK	SIZE (H x W x D) [mm]	WEIGHT [kg]	Electrical Requirements [V/phase/Hz]	Capacity [kW]	Quantity
EAF	500	123.1	400/3/50	2.2 kW	4

SCHEDULE 06 - DUCTING

System Type	Family	Overall Size	Count	TOTAL LENGTH (m)
EXHAUST_AIR_SE	Rectangular Duct	400 mmx400 mm	10	93
SUPPLY_AIR_SE	Rectangular Duct	400 mmx800 mm	6	16
EXHAUST_AIR_SE	Round Duct	400 mmø	12	2
EXHAUST_AIR_SE	Rectangular Duct	600 mmx600 mm	4	1
EXHAUST_AIR_SE	Rectangular Duct	890 mmx500 mm	17	37
SUPPLY_AIR_SE	Rectangular Duct	890 mmx500 mm	13	29

SCHEDULE 07 - WEATHER LOUVERS

Type Mark	Size	Flow	Quantity
WL 01	890 mmx600 mm	4700.0 L/s	2
WL 02	600 mmx600 mm	1300.0 L/s	4

SCHEDULE 08 - SOUND ATTENUATORS

Type Mark	NISE RATING (DB)	Length [mm]	Quantity
SA 01	45	2000	6
SA 02	45	2400	4

SCHEDULE 09 - FIRE DAMPER

Type Mark	Actuator	Electrical Requirements (Power & Voltage)	Size	Quantity
FD 01	Motorised	7 VA / 4.5 W & 230V	890x500	8
FD 02	Motorised	7 VA / 4.5 W & 230V	800x400	2
FD 03	Motorised	7 VA / 4.5 W & 230V	400x400	4
FD 04	Motorised	7 VA / 4.5 W & 230V	500x400	3

SCHEDULE 10 - SUPPLY AIR GRILL

Mark	Size (mm)	Quantity	Flow
SAG 01	800mm 400 mm	24	600 L/s

SCHEDULE 11 - RETURN AIR GRILL

Mark	Size	Flow	Quantity
RAG 01	220 mmx200 mm	325.0 L/s	16

SCHEDULE 12 - ADJUSTABLE BLADE DAMPER

Mark	Size	Flow	Quantity
ABD 01	500 mmx400 mm	1700.0 L/s	7

ELECTRICAL POWER UNIT

Unit	Quantity	V/ ph / Hz	Count	TOTAL LENGTH (m)
EXHAUST_AIR_SE	10	400/3/50	10	93
SUPPLY_AIR_SE	6	400 mmx800 mm	6	16
EXHAUST_AIR_SE	12	400 mmø	12	2
EXHAUST_AIR_SE	4	600 mmx600 mm	4	1
EXHAUST_AIR_SE	17	890 mmx500 mm	17	37
SUPPLY_AIR_SE	13	890 mmx500 mm	13	29

A1

FOR TENDER