

NOTES:

1. This drawing may only be used for HVAC services.
2. To prepare his construction/shop drawing, the HVAC sub-contractor must inspect all the architects drawings including structural and other services design drawings pertaining to the works and shall acquaint themselves with the general arrangement of all other services and ensure that in fixing their work it will not obstruct the fixing or future maintenance of other services.
3. Any un-clarities must be brought to the attention of the mechanical engineer before close of tender.
4. The HVAC sub-contractor is responsible for correct field dimensions, clearances and heights, quantities, fabrication processes and techniques of construction & co-ordination of his work with that of all other trades providing all devices necessary for safe and satisfactory operation.
5. Final site measurements must be made by the HVAC sub-contractor before manufacturing or ordering of any equipment.
6. All air diffusion equipment to be powder coated to an architect approved colour.
7. All specified equipment must be installed according to manufacturer's specification.
8. All HVAC equipment to be protected against vibrations by means of anti vibration mountings.
9. The main contractor shall be responsible for all openings in walls, ceiling, doors for HVAC items of equipment.
10. Refrigerant piping, control and electrical wiring in ceiling void to run on cable tray – Exposed piping and wiring to run in trunking.
11. Drawing must be read in conjunction with the relevant HVAC specification and Legend sheet.

Air conditioning Indoor units schedule				
Type Mark	Type	Capacity (kW)	Power supply (kW/V/ph/Hz)	Qty
MW-01	Midwall Unit	3.5	1.1/240/1/50	5
MW-02	Midwall Unit	4.5	1.3/240/1/50	13
MW-03	Midwall Unit	5.0	1.5/240/1/50	2
CSS-01	4-Way Blow Cassette Unit	5.3	1.5/240/1/50	4

Outdoor Units schedule				
Type Mark	Type	Capacity (kW)	Power supply (V/ph/Hz)	Qty
ODU-01	VRV Heat Recovery Condenser	45.0	440/3/50/60	5

- General Notes:**
1. This drawing is to be read in conjunction with drawings issued by the consultants of various disciplines, in particular: structural, electrical, mechanical and wet services engineers.
 2. Any discrepancies between drawings layouts are to be brought to the attention of the architects prior to any work being put in hand.
 3. Figured dimensions are to be taken in preference to scaled measurements and large scale details drawings will supersede small scale general layout drawings.
 4. Contractors and subcontractors to check all dimensions and levels on site prior to any work being put in hand.
 5. All work on site is to conform to good building practice and all relevant national codes and standards.
 6. The use of trade names on this drawing is prohibited, and any trade name of equipment used in this project required the approval from the responsible engineer.
 7. Workshop drawings to be submitted to the Engineer for Approval prior to installation.

REVISIONS

REV	DESCRIPTION	DATE	BY
A	FOR PRELIMINARY DESIGN	02/09/2022	MAHABETSELA K
B	FOR DETAILED DESIGN	19/11/2022	MOLOMO GK
C	ISSUED FOR TENDER	20/04/2023	MOLOMO GK

LEGEND:HVAC

	- SINGLE PHASE ISOLATOR (BY OTHER)
	- THREE PHASE ISOLATOR (BY OTHER)
	- DRAIN POINT
	- UNIT CONTROLLER
	- UNDERCUT 20mm
	- BALANCING DAMPER
	- DIFFUSER
	- MIDWALL UNIT
	- OUTDOOR UNIT
	- CONSOLE UNIT
	- FIRE DAMPER
	- FOUR-WAY BLOW CASSETTE UNIT
	- INDUSTRIAL OUTDOOR UNIT
	- REFRIGERANT PIPES
	- CONDENSATE DRAIN PIPE
	- RETURN PIPES
	- SUPPLY PIPES
	- BS Box

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Full Name: _____

Professional Registration No.: _____

CONSULTANT



CLIENT



Issued by: _____

Check with: _____

INFORMATION

ARCHITECTURAL

CIVIL AND STRUCTURAL ENGINEERING

ELECTRICAL ENGINEERING

MECHANICAL ENGINEERING

PROJECT TITLE

SAPS: NORTHERN CAPE: GALESHEWE POLICE STATION:

REPLACEMENTS OF AIR CONDITIONERS

DRAWING TITLE

AIR CONDITIONING LAYOUT - BLOCK E 1st FLOOR

CAPITAL

WCS NO: 059817

SCALE: NTS

DATE: 20/04/2023

CHECKED BY: K CHABALALA (P.Eng.)

DRAWING NO: MEHVAC07

DESIGNED BY: MOLOMO GK

DRAWN BY: MOLOMO GK

REVIEWED BY: CHABALALA K

APPROVED BY: K CHABALALA (P.Eng.)

REV NO: C

SIZE: A1

DRAWING ISSUED FOR:	
INFORMATION	
PRELIMINARY DESIGN	
DETAILED DESIGN	
TENDER	X
CONSTRUCTION	
AS BUILT	

