



EQUIPMENT SCHEDULE						
ITEM	DESCRIPTION	AREA / LOCATION	QTY	COOLING CAPACITY (kW)	POWER SUPPLY	SIZE - Indoor Unit (LWH) (mm)
AHU-01	Air Handling Unit		1	75	415/3/50+N+E	2590x2350x2020
AHU-02	Air Handling Unit		1	75	415/3/50+N+E	2590x2350x2020

- Notes:**
- This drawing is not to be used as a construction/installation drawing. Routes and zones have been allocated to this service, location dimensions are indicative of these.
- To prepare his construction/installation drawing, the subcontractor must adhere to the co-ordination principle and must impact all the attached drawings including structure and other services design drawings pertaining to the works shall acquire liaison with the general arrangement of all other service and ensure that in doing his work it will not obstruct the future maintenance of other services.
- The subcontractor is responsible for correct field dimensions, clearances and heights, quantities, coordinating processes and techniques of construction co-ordination of his work with that of all other trades, providing all services necessary for safe and satisfactory delivery of the project. The general electrical, typical weight including all typical details as well as the legend can be read off drawing number MA-100.
- All installation should be carried out as per Part IV of the tender specification.
 - Duct sizes shown are sheet metal sizes.
 - All ducting to be manufactured & installed in accordance with the SANS standards.
 - All A/C shafts to be fitted with a metal grid platform on floors with access door.
 - All exposed ducting to be painted to an approved colour.
 - All take-offs from supply & exhaust air ducting to be 45° boots.
 - AC equipment to be fitted with anti-vibration mountings as per specification.
 - HVAC contractor to ensure that all condensate drains are trapped and sloped adequately. All drains to be tested for leaks and operation.
 - All ducting to be flat on top and installed hard-up to the underside of the slab above.
 - HVAC Contractor is responsible for connecting the condensate drains to the drain stack or the nearest drain. The connection must be a solid connection to prevent leakage.
 - Thermal isolation on provisional. Final positions shall be determined on site in conjunction with Client/Engineer. Where full height partitioning is not suitable for mounting the thermostat, it must be mounted on the brick wall.
 - All refrigerant piping, electrical and control wiring between indoor and under must run in trays/on cable trays with lower plate securely fitted against wall.
 - Condenser must be mounted on galvanneal container frame.
 - All supply air ducting must be externally insulated.
 - All BMS wiring must be installed in PVC conduit by BMS contractor.
- DIVISION OF WORK**
- Work by Main Contractor
- Overlays in doors for door grilles.
 - Overlays in ceiling for air terminate and/or fans.
 - Overlays in mounting brackets with boiler frames (in non-fire walls) and mounting good after installation of HVAC equipment.
 - Concrete bases for fan sets, etc.
 - Excavation around HVAC openings.
 - Metal grid platform in AC shafts.
 - Building fit and sealing of fan dampers.
- Work by Electrical Subcontractor
- Power supply terminating in Distribution boards.
 - Heater interlocking safeties with the air pressure switch.
 - Stop/Start interlocking of toilet exhaust fans.
 - Fire interlocking signal to auto A/C.
- Work by Plumbing Subcontractor
- Fulcrum outlets on roof.
 - Water outlet points for Chiller Units.

- Legend**
- Externally insulated supply ducting
 - Externally insulated return ducting
 - Uninsulated extract ducting
 - Cladded extract ducting
 - Fresh Air Duct
 - 800x600 Constant Volume Supply Air diffuser with flow rate
 - #32 galvanneal condensate/drain piping
 - Refrigerant piping
 - Duct stop end
 - Single phase isolator by electricity
 - Three phase isolator by electricity
 - Ceiling cassette with Cooling capacity
 - Fire damper with fusible link
 - Under Out door (25mm)
 - Door Grille with size and flow rate
 - Disc valve with flow rate
 - Return Air Grille (800x600) with flow rate
 - Variable refrigerant Volume Condensers
 - Mid wall unit
 - Hide Away (Concealed) Unit
 - Asial Fan
 - Sound Attenuator (1.50)
 - Weather Louvre with size and flow rate
 - Condenser
 - Supply Air diffuser with
 - Extract Air Grille

REVISIONS	
TD	03.10.25 ISSUED FOR TENDER
A	26.03.25 ISSUED FOR INFORMATION
Rev No.	DATE DESCRIPTION



Project:	NHL BLOCK 14	
Master plan reference:	BLOCK 14 B	
Drawing:	CENTRAL ROOF PLAN	
Status:	TENDER	
Drawn by:	T.M.	
Designed by:	J.M.	
Checked by:	M.M.	
Signature	Date	2025-03-07
Scale:	1:50	Revision No.:
Date:	FEB-2025	TD
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