


























- **Division of Work**
- **Work by Main Contractor**
  - Openings in doors for door grilles,
  - Openings in ceilings for luminaires and/or fans,
  - Openings in structure complete with timber frames, on non-fire rated walls, for installation of HVAC equipment,
  - Making of bases for fan sets, etc.,
  - Enclosures around HVAC equipment,
  - Meticulous plumbing in AC systems,
  - Building in and sealing of fire dampers.
- **Work by Electrical Subcontractor**
  - Power supply terminating in Distribution boards,
  - Heater interlocking switches with the air pressure switch,
  - Stop/Start interlocking of toilet exhaust fans,
  - Fire interlocking signal to each floor.
- **Work by Plumbing Subcontractor**
  - Fullbore outlets on roof,
  - Water outlet points for Chiller Units

## Legend

	- Externally insulated supply ducting
	- Externally insulated return ducting
	- Uninsulated extract ducting
	- Cuddled extract ducting
	- Fresh Air Duct
	- 600/600 Constant Volume Supply Air diffuser with flow rate
	- #32 galvanised condensate/drain piping
	- Refrigerant piping
	- Duct stop end
	- Single phase isolator by electrician
	- Three phase isolator by electrician
	- Chilling coilset with Cooling capacity
	- Fire damper with fusible link
	- Under Door (25mm)
	- Door Grille with size and flow rate
	- Oval valve with flow rate
	- Return Air Grille (600/600) with flow rate
	- Variable refrigerant Volume Condensers
	- Mid wall unit
	- Hide Away (Concealed) Unit
	- Axial Fan
	- Sound Attenuator (1.50)
	- Weather Louvre with size and flow rate
	- Condenser
	- Supply Air diffuser with

**ENTOMOLOGY RESEARCH UNIT  
BLOCK 14 C (SOUTH LOWER)**

EQUIPMENT SCHEDULE - Hide Away Units								
Symbols: MCA: Minimum Circuit Amps; FLA: Full Load Amps; IFM: Indoor Fan Motor; Output: Fan Motor Rated Output								
ITEM	DESCRIPTION	AREA / LOCATION	QTY	COOLING CAPACITY (kW)	POWER SUPPLY	SIZE - Indoor Unit (HWD) (mm)	WEIGHT (kg)	NOTES
HAU-01	Hide Away Unit (Ceiling Concealed)			1.7 kW	220-240V / 50Hz, Max 254V & Min 188V, MCA = 0.46A, IFM Output = 0.106kW, FLA = 0.37A	200x790x700	19	
HAU-02	Hide Away Unit (Ceiling Concealed)			2.9 kW	220-240V / 50Hz, Max 254V & Min 188V, MCA = 0.59A, IFM Output = 0.196kW, FLA = 0.47A	292x790x700	19	
HAU-03	Hide Away Unit (Ceiling Concealed)			4.5 kW	220-240V / 50Hz, Max 254V & Min 188V, MCA = 1.21A, IFM Output = 0.185W, FLA = 0.97A	380x690x600	44	
HAU-04	Hide Away Unit (Ceiling Concealed)			5.9 kW	220-240V / 50Hz, Max 254V & Min 188V, MCA = 1.21A, IFM Output = 0.185W, FLA = 0.97A	380x690x600	45	
HAU-05	Hide Away Unit (Ceiling Concealed)			9 kW	220-240V / 50Hz, Max 254V & Min 188V, MCA = 1.63A, IFM Output = 0.184W, FLA = 1.48A	380x1200x600	50	
HAU-06	Hide Away Unit (Ceiling Concealed)			13.5 kW	220-240V / 50Hz, Max 254V & Min 188V, MCA = 3.03A, IFM Output = 0.29kW, FLA = 2.42A	380x1200x600	70	
Outdoor Units								

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

CLIENT

 NATIONAL HEALTH  
LABORATORY SERVICE

CONSULTING

 **POTENT**  
*Engineering Projects*

Project:		
NHLS BLOCK 14		
Master plan reference:		
BLOCK 14 C		
Drawing:		
SOUTH LOWER PLAN		
Status:		
TENDER		
Drawn by:	T.M	Pi ref: 2019030448
Designed by:	J.M	
Checked by:	M.M	
2025-03-07		
Signature	Date	
Scale:	1:50	Revision No.:  TD
Date:	FEB-2025	
Drawing No:	P2407-MA-109	