

Remarks

1) Indicated cooling capacities are required Capacities. Derating to site conditions to be done by contractor/supplier.

2) Flexible collars to be insulated.




























3) All Fans to have overload protection.

Remarks

- 1) Door grilles to be naturally anodised aluminium and to be of the "No-Site Core" type. Opening in door by main contractor
- 2) Constant volume - complete with 600x600 ceiling nominal size ceiling mounted plate.
- 3) Constant volume - complete with ceiling mounting ring.
- 4) Hinged return air fixed blade grille complete with removable, washable, disposable filters.
- 5) Maximum length of flexible connection: 1500mm



### HVAC LEGEND

- |   |   |
|---|---|
|  | SUPPLY AIR  |
|  | RETURN AIR  |
|  | FRESH AIR   |
|  | EXTRACT AIR   |
|  | KITCHEN EXTRACT AIR   |
|  | CONDENSATE PIPING   |
|  | REFRIGERANT PIPING  |
|  | Wired remote controller mounted at 1400mm AF  |
|  | Remote Room Thermostat  |
|  | Fire signal to switch smoke vent fan on   |
|  | Fire signal to switch HVAC DB off   |
|  | Emergency power signal  |
|  | A/C Switch Board (SB) / Motor Control Centre (MCC)  |
|  | CO2 Monitor.  |
|  | Trapped floor drain by Plumber. A/C Sub-Contractor to pipe from A/C units to floor drains.  |
|  | Condensate drain point by plumber, including u-trap, where:   |
|  | W = Wall mounted units @ 400 mm below ceiling unless otherwise indicated.<br>C = Ceiling concealed and cassette units @ 20 mm above ceiling lights. |
|  | A/C Equipment to have 24hour power supply   |
|  | Temperature Sensor to be mounted underside of diffuser plate  |
|  | Infrared Remote Control C/W cradle @ 1400mm AF  |
|  | Balancing Damper  |
|  | Master Diffuser   |
|  | Slave Diffuser  |
|  | Maximum fuse amps   |
|  | Carbon Dioxide Sensor   |
|  | Fire Signal - OFF   |
|  | Relative Humidity Sensor  |

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## CLIENT



UNIVERSITY OF THE  
WITWATERSRAND,  
JOHANNESBURG

REV	DATE	REVISION DETAILS	APPROVED
A	20/06/2023	ISSUED FOR INFORMATION	DB

<b>SCALE</b>	<b>SIZE</b>	<b>FOR TENDER</b>
As indicated	40	

<b>DRAWN</b>	<b>APPROVED</b>
N TAYOB	DATE

DESIGNED	20106/2025
N TAYOB	

## PROJECT

WITS LIBRARY - MEDICAL CAMPUS

## AIR CONDITIONING AND VENTILATION INSTALLATION

DRAWING NUMBER					
PROJECT No	WBS	TYPE	DISC	NUMBER	REV
1001654	WMCL	DRG	ME	101	A