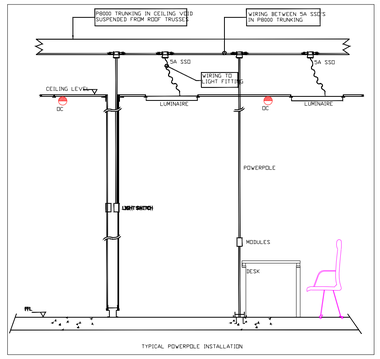
WIREWAYS LEGEND:

	MOVEABLE 4-COMPARTMENT POWER-POLE WITH 60 MM FLEXIBLE SHEATH FIXED ONTO FALSE CEILLING
	SOCKET MODULES ON POWERSKIRTING/ DESK/ POWER POLE/ CEILLING VOID: SSO, EURO, HDMI, USB, BLUE PLUG, DATA/TEL
	SINGLE SOCKET OUTLET, TOPAZ RANGE
	200mm CABLOFIL WIREMESH CABLE TRAY SYSTEM – ICT & SEC
	300mm CABLOFIL WIREMESH CABLE TRAY SYSTEM – POWER
	2-CHANNEL POWERKSITING
	NOTE PAD WIRELESS CHARGING PORTS + DATA POINT
	POWERPOLE SPARE SPACES IN CEILLING
	SINGLE PHASE/ 3-PHASE ISOLATOR
	SOCKET POWERBOX (4X2 BLUE SSO,EURO,HDMI,DATA)
	2-SECTIONAL DB: GENERATOR + UPS SUPPLIED DISTRIBUTION BOARD



TYPICAL POWERPOLE INSTALLATION

Heat pump Condenser VRV IV Mini Standard 1 phase AC unit placed at a secured position and serving all indoor units/ Master control remotes placed into the supervisor offices for both sections.
FINAL OUTDOOR POSITION TO BE DETERMINED ON SITE

Heat pumps serving open space

Units serving server room

Stainless drip tray mounted underneath AC midwall units

Pump to be installed for drain water pipe directed to the closest flower pot or grass

Telescopic ventilator(build in wall at 150mm below ceiling)tile

Complete FXAQ20A 2.2kW Inverter split wall mounted unit@150 below ceiling frame. 25mm PVC Drain water pipe to be built in wall, dropped up to 300mm apron finishing top level. Condenser outdoor unit position to be confirmed on site.Drip tray to be mounted underneath AC unit in the server room.

Complete FXZQ40A 4.5kW Ceiling Cassette Inverter AC Split unit

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Complete FXZQ40A 4.5kW Ceiling Cassette Inverter AC Split unit

Complete FXZQ20A, 2.2kW Ceiling Cassette Inverter AC Split unit

Complete FXZQ20A, 2.2kW Ceiling Cassette Inverter AC Split unit

Complete in-line Silent Fresh air fan(500l/s),220V,50/60hz, speed controllable,IP44, class F, with thermal protection and complete weather louver with air filter placed at the inlet side @20-24dBA.To linked to the Air-Conditioning command switch and must go off in case of fire signal, Decorative weather louver to the architect color choice to be installed

Fire damper Ø250mm fusible link

FO-LSW Interior Elevation

FO-BSW Interior Elevation

BO-BSW Interior Elevation

BO-FSW Interior Elevation

FO-RSW Interior Elevation

BO-RSW Interior Elevation

P3
DB - 01

P2
DB - 01

AirCon Indoor Units

Code	Type	Size (WxDxH)	Capacity (kW)	Airflow (l/s)	Noise (dBA)	Weight (kg)	Refrigerant pipes (LL)	Power	Drainage (C: Power Input, Cooling/Heating)
CC-01	FXZQ20A Cassette	575x575x260	2.2	100x130	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	60w/60w
CC-02	FXZQ20A Cassette	575x575x260	2.2	100x130	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	60w/60w
CC-03	FXZQ40A Cassette	575x575x260	4.5	140x200	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	110w/110w
CC-04	FXZQ40A Cassette	575x575x260	4.5	140x200	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	110w/110w
CC-05	FXZQ40A Cassette	575x575x260	4.5	140x200	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	110w/110w
CC-06	FXZQ40A Cassette	575x575x260	4.5	140x200	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	110w/110w
CC-07	FXZQ40A Cassette	575x575x260	4.5	140x200	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	110w/110w
CC-08	FXZQ40A Cassette	575x575x260	4.5	140x200	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	110w/110w
CC-09	FXZQ40A Cassette	575x575x260	4.5	140x200	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	110w/110w
CC-10	FXZQ40A Cassette	575x575x260	4.5	140x200	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	110w/110w
CC-11	FXZQ40A Cassette	575x575x260	4.5	140x200	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	110w/110w
CC-12	FXZQ40A Cassette	575x575x260	4.5	140x200	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	110w/110w
CC-13	FXZQ40A Cassette	575x575x260	4.5	140x200	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	110w/110w
CC-14	FXZQ40A Cassette	575x575x260	4.5	140x200	27	25-32	Gas(12.7mm)-Liq.(6.4mm)	240V/50Hz/1Ph, Inst. 16A	110w/110w
VRV	FXMQ80A Mixed	1380x1240x765	22.4	1020x1320	57	211.5	Gas(28.6mm)-Liq.(12.7mm)	380V/50Hz/3Ph, Inst. 160A	60w/60w
SAC	Ceiling Air Grille	600x600	500x						
LEC	Complete in-line Silent Fresh air fan(500l/s)						Gas(28.6mm)-Liq.(12.7mm)	380V/50Hz/3Ph	10000w/10000w
BL	Beverage sauna	600x600	150w						
AC	Complete Air Conditioning	600x600	500w					240V/50Hz/1Ph	

Code	Type	Size (WxDxH)	Capacity (kW)	Airflow (l/s)	Noise (dBA)	Weight (kg)	Refrigerant pipes (LL)	Power	Drainage (C: Power Input, Cooling/Heating)
OU-01	RXYQ16BV	900 x 1,345 x 320	12.1kW Cooling Capacity			240V/50Hz/1Ph	Minimum Circuit Ampa. 29.1A	Maximum Overcurrent Protection 32A	Nominal Running Amps 14A
OU-02	RXYQ16BV	900 x 1,345 x 320	12.1kW Cooling Capacity			240V/50Hz/1Ph	Minimum Circuit Ampa. 29.1A	Maximum Overcurrent Protection 32A	Nominal Running Amps 14A
OU-03	RXYQ16BV	900 x 1,345 x 320	14kW Cooling Capacity			240V/50Hz/1Ph	Minimum Circuit Ampa. 29.1A	Maximum Overcurrent Protection 32A	Nominal Running Amps 17.3A
OU-04	RXYQ16BV	900 x 1,345 x 320	14kW Cooling Capacity			240V/50Hz/1Ph	Minimum Circuit Ampa. 29.1A	Maximum Overcurrent Protection 32A	Nominal Running Amps 14A
OU-05	RXYQ16BV	900 x 1,345 x 320	14kW Cooling Capacity			240V/50Hz/1Ph	Minimum Circuit Ampa. 29.1A	Maximum Overcurrent Protection 32A	Nominal Running Amps 14A

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GENERAL NOTES

1. All general notes apply to all drawings, details, specifications & any supplementary information: all contractual documentation.
2. The contractor is responsible for checking all levels & dimensions on site when setting out, prior to commencing construction & cross checking all building dimensions during the construction process. Read only figured dimensions, indicated in millimetres, & do not scale. Any discrepancies are to be reported in writing to **Celankobe** prior to continuation of work.
3. The contractor is responsible for the works co-ordination & programming of the works. All consultant & shop drawings are to be cross checked with **Celankobe** drawings. Any discrepancies are to be reported in writing to **Celankobe** prior to continuation of work.
4. The contractor is responsible for reporting any deviation from **Celankobe** drawings & specifications. Written approval is required from edifice design prior to construction & installation commencing.
5. **Celankobe** accepts no responsibility for errors resulting from the misinterpretation 0f drawings or specifications. If in doubt, query details.
6. The contractor is responsible for: compliance with all applicable SABS 0400 standards, manufacturer's installation instructions, procedures & recommendations & local authority regulations in respect of the full scope of the works. This requirement shall not be deemed to be superseded by the provisions of any other contract document.
7. The contractor is responsible for construction procedures & methodology being carried out & implemented in strict accordance with the latest occupational health & safety act & regulations.
8. The contractor is responsible for checking all opening sizes & vertical & horizontal position prior to the construction, manufacture & installation of fitted items. Any discrepancies are to be reported in writing to **Celankobe** prior to continuation of work.
9. The contractor is responsible for the provision of guarantees for all materials, installations & systems, to be issued to **Celankobe** at practical completion.
10. All structural work is to be designed, detailed, specified & supervised by the structural engineer & is to be carried out in strict accordance with this. All structural work is to be built from the engineer's drawings and the stability is to be certified by the structural engineer on completion of the works.
11. Drawings are only to be read for the purpose intended.
12. Refer to project data sheet for comprehensive notes & specifications.

REVISION

KEY PLAN

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PROJECT TITLE

PROPOSED SARS RANDFONTEIN OFFICES
RANDFONTEIN, TAMBOTIE MALL

CLIENT

SOUTH AFRICAN REVENUE AUTHORITY SERVICES (SARS)

THE SIGNATURE HERETO CONFIRMS THAT THE		
SIGNATORY HAS INSPECTED THE PLANS AND IS	SIGN	
AUTHORISED TO ACCEPT & APPROVE THEM ENTIRELY	DATE	
DRAWING TITLE: HVAC POWER LAYOUT		
	DATE	10/09/2024
	DRAWN	BM
	CHECKED	JD
	SCALE	SCALE 1:50
RESPONSIBLE PROFESSIONAL		
JAMA DLAMINI	PR NUMBER	200970283
SHEET NUMBER 04	SIGN	
	DATE	

SIZE	DRAWING NO	REVISION
A1	SARSR_EE_002_00_T	02