

EQUIPMENT SCHEDULE

ITEM	QUANTITY	DESCRIPTION
SADV1	1	Ø200 Brian Ricard variable volume ceiling diffuser complete with controller and 1kW electric heater
SADV2	4	Ø250 Brian Ricard variable volume ceiling diffuser complete with controller and 15 kW electric heater
SADV3	5	Ø150 Brian Ricard variable volume ceiling diffuser complete with controller and 0.5 kW electric heater
RAG1	30	595x595 Aluminium Return air grille Type RA + OBD

NEW EQUIPMENT ONLY

Existing Diffuser that has not been affected by space planning, but could be moved due to new ceiling
New and Existing Diffusers that has been affected by space planning, and should re-position as per drawing
BE Existing ducting

LEGEND

220V/15Amp power supply + isolator adjacent to condensing units or equipment by electrical contractor
380v/3ph/50 cycle power supply + isolator adjacent to our equipment by electrical contractor
Remote controller for motorised diffusers
Digital thermometer mounted to underside ceiling
Humidity sensor
Controller
Averaging sensor
Motorised damper - Normally open
Controllers @ 100mm above floor level.
Electrical panel

NOTES

- All supply air and return air ductwork to be externally lagged, except where otherwise noted.
- All extract air ductwork to be uninsulated.
- All openings passing thru external wall to be fitted with burglar bars/Burglar bars to be dia 15 @ max 125mm ctrs horizontally and vertically Bars to be welded on 50x50x5mm flat bar frame all round. Hot dipped galv after manufacture.
- All condensing units to be quorum treated and techyied.
- Suction lines to be insulated with amaflex insulation.
- All internal and exposed refrigeration pipework to run in a straight line in trunking.
- All refrigeration pipework not in trunking to run in cable tray.
- All external cable trays to be stainless steel.
- All internal cable trays to be galvanised.
- All starters if required to be provided by a/c contractor.
- All mild steel brackets and hangers to be hot dipped galvanised after manufacture.
- All electrical cabling to smoke extract fans to be in accordance with fire regulations.

FIRST FLOOR PLAN LAYOUT
SCALE 1:75




**CENTRAL ENERGY FUND
SPACE PLANNING
AIR CONDITIONING AND VENTILATION
FIRST FLOOR LAYOUT**

DRAWN: Kharabe DATE: 07.07.19 CHECKER: SECTION LEADER
SHEET SCALE: JOB NO: DRAWING NUMBER: REV:
A0 1:75 CEF01 CEF-00-0000 T











AC		
ITEM	QUANTITY	DESCRIPTION
SADV1	1	Ø200 Brian Ricard variable volume ceiling diffuser complete with controller and 1kW electric heater
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 New and Existing Diffusers that has been affected by space planning, and should re-position as per drawing
- 
 Existing ducting

LEGEND

- | | |
|---|---|
|  | 220/115amp power supply + isolator adjacent to condensing units or equipment by electrical contractor |
|  | 360v/3ph/4w cycle power supply + isolator adjacent to our equipment by electrical contractor |
|  | Remote controller for motorised diffusers |
|  | Digital thermometer mounted to underside ceiling |
|  | Humidity sensor |
|  | Controller |
|  | Averaging sensor |
|  | Motorised damper - Normally open |
|  | Controllers @ 1800mm above floor level. |
|  | Electrical panel |

- AKZO NOBEL - INTERPON D -MATT
ANP 39006-WHITE ALUMINIUM-4/5/00

NOTES

- 1 All supply air and return air ductwork to be externally lagged, except where otherwise noted.
- 2 All extract air ductwork to be uninsulated
- 3 All openings passing thru external wall to be fitted with
bulgar bars.Bulgar bars to be dia 15 @ max 125mm c/s
horizontally and vertically bars to be welded on 50x50x6mm
flat bar frame all round. Hot dipped galv after manufacture.
- 4 All condensing units to be quorum treated and tectylted.
- 5 Suction lines to be insulated with amfixflex insulation.
- 6 All internal and exposed refrigeration pipework to run
in a straight line in trunking.
- 7 All refrigeration pipework not in trunking to run in cable tray.
- 8 All external cable trays to be stainless steel
- 9 All internal cable trays to be galvanised.
- 10 All starters if required to be provided by a/hp contractor.
- 11 All mid steel brackets and hangers to be hot dipped
galvanised after manufacture.
- 12 All electrical cabling to smoke extract fans to be in
accordance with fire regulations.

[illegible]

ISSUED FOR TENDER			AKR	SECTION LEADER
REV	DATE	REVISION	BY CH	
PROJECT MANAGER		MECH. ENGINEER	MINING ENGINEER	
DATE	DATE	DATE	DATE	
CIVIL ENGINEER		ELECTRICAL ENGINEER		
DATE	DATE	DATE	DATE	
APPROVED BY PR. ENG. / PR. TECH.			CLIENT APPROVAL	
NAME _____			NAME _____	
SIGNATURE _____			SIGNATURE _____	
REG No _____			DESIGNATION _____	
DATE _____			DATE _____	
THE DESIGN REFLECTED ON THIS DRAWING IS PROJECT & APPLICATION SPECIFIC. CONSTRUCTION SUPERVISION IS REQUIRED.				

 AFRILECTRIICAL CONSULTING ENGINEERS (PTY) LTD 65 ROBERT HATFIELD DRIVE, MIDVALE, JOHANNESBURG 1901 011 462 1010, 011 462 1011, 011 462 1012	AFRILECTRIICAL DRAWING NUMBER
	CEFO1-MECHANICAL-00-1-0002

UNLESS THIS DRAWING/LATEST REVISION HAS BEEN
CHECKED, APPROVED AND SIGNED, IT MUST NOT BE
USED FOR PURCHASING OR CONSTRUCTION PURPOSES.



CENTRAL ENERGY FUND
SPACE PLANNING

DRAWN	Kharibe	DATE	07.07.19	CHECKER		SECTION LEADER	
SHEET SIZE	SCALE	JOB NO	DRAWING NUMBER				REV
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