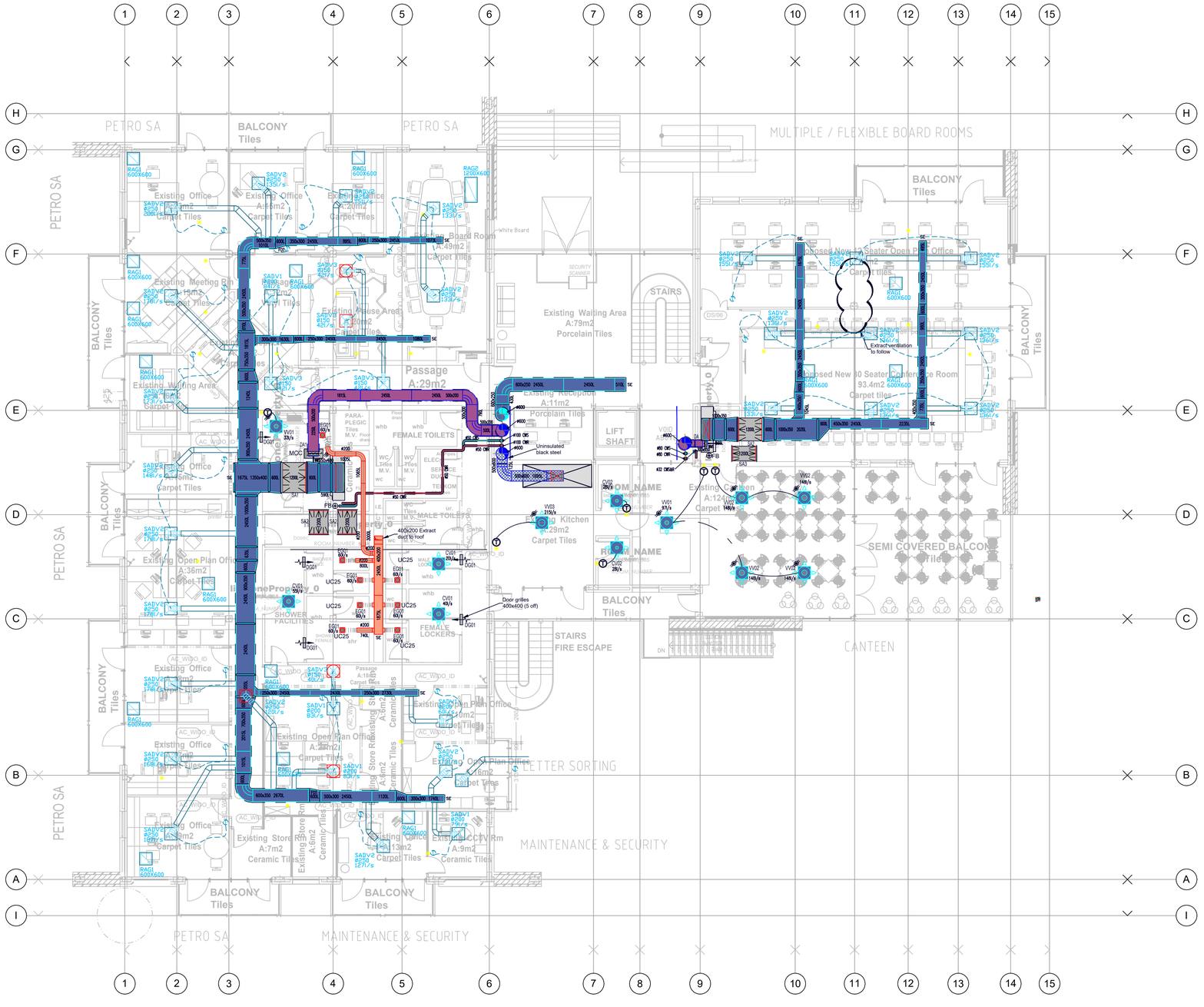
THE CONTRACTOR TO RE-USE EXISTING EQUIPMENT AND EXISTING DUCT OPENING FIRST



GROUND FLOOR PLAN LAYOUT

SCALE 1:75

EQUIPMENT SCHEDULE

AC

ITEM	QUANTITY	DESCRIPTION
SADV1	1	Ø200 Brian Ricard variable volume ceiling diffuser complete with controller and 1 kW electric heater
SADV2	1	Ø250 Brian Ricard variable volume ceiling diffuser complete with controller and 1.5 kW electric heater
SADV3	3	Ø150 Brian Ricard variable volume ceiling diffuser complete with controller and 0.5 kW electric heater
RAG1	16	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

510x SC Existing ducting

LEGEND

- 220/1/15amp 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
- T — Digital thermometer mounted to underside ceiling
- H — Humidity sensor
- C — Controller
- S — Averaging sensor
- M — Motorised damper - Normally open
- Controllers @ 1800mm above floor level.
- EP — 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 burglar bars.Burglar bars to be dia 15 @ max 125mm ctrs horizontally and vertically.Bars to be welded on 50x5ox5mm flat bar frame all round. Hot dipped galv after manufacture.
4 All condensing units to be quorium treated and tectyled.
5 Suction lines to be insulated with armaflex 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/c contractor.
11 All mild 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.

NUMBER	REFERENCE DRAWING

REV	DATE	REVISION	BY	CHK	SECTION LEADER
T		ISSUED FOR TENDER		AOK	

PROJECT MANAGER	LEAD ENGINEER	MECH ENGINEER	MINING ENGINEER
DATE	DATE	DATE	DATE
CIVIL ENGINEER	STRUCT. ENGINEER	ELECTRICAL ENGINEER	
DATE	DATE	DATE	

APPROVED BY PR.ENG / PR.TECH
NAME .....
SIGNATURE .....
REG No .....
DATE .....
THE DESIGN REFLECTED ON THIS DRAWING IS PROJECT & APPLICATION SPECIFIC. CONSTRUCTION SUPERVISION IS REQUIRED.

CLIENT APPROVAL
NAME .....
SIGNATURE .....
DESIGNATION .....
DATE .....

AFRILECTRICAL CONSULTING ENGINEERS (PTY)LTD

AFRILECTRICAL DRAWING NUMBER

CEF01-MECHANICAL-00-I-0001

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

AIR CONDITIONING AND VENTILATION
GROUND FLOOR LAYOUT

DRAWN	Khoribe	DATE	07.07.19	CHECKER		SECTION LEADER	

SHEET SIZE	SCALE	JOB NO	DRAWING NUMBER	REV
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