



KEON

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TECHNO

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Client:

Johannesburg Water

JOHANNESBURG WATER

Turbine Hall

66 Ntumi Piliso Street

Newtown, Johannesburg

THESE NOTES SERVE AS AN ADDENDUM TO THE SPECIFICATION IN THE BILL OF QUANTITIES (BOQ). IN THOSE CASES WHERE THE BOQ SPECIFICATIONS DIFFER FROM THESE NOTES, THESE NOTES SHALL TAKE PRECEDENCE.

ON ORIGINAL

0 5 10 15 20 25 30 40 50MM

Engineer:

L. Bwerimwe Pr.Eng

Drawn By:

T.M

Designed By:

T.M

Checked By:

L.B

Signature:

Signature:

Signature:

Date:

August 2024

Date:

August 2024

Date:

August 2024

Item	Description	Dimensions	Voltage range	Max standby Current	Max alarm Current	Battery Capacity	QTY
1	smoke detector	50mm deep ø100mm	15-32VDC	300microA	7mA		10
2	Heat detector	50mm deep ø100mm	15-32VDC	300microA	7mA		1
3	Multi criteria detector	50mm deep ø100mm	15-32VDC	300microA	7mA		0
4	Manual call point	100mm*100mm	8-45VDC	45microA			4
5	Fire panel		230v AC	0,8A		2*12AH	1

Schedule of Equipment

NOTES

1. 15 AMP ISOLATOR REQUIRED AT FIRE CONTROL PANEL

2. ALL CONCEALED CONDUITS TO BE 25MM PVC

3. ALL DETECTORS FIXED ON THE CEILING TILES

4. SQUARE METRES =

5. Analogue addressable system with fire panel, field devices and manual call points

6. System to comply with SANS 10139

7. Operator work station to be located as indicated

8. Cable core to be 1.5 sqmm PH20 fire resistant cable

9. Line relays switch current 1.5A 30Vdc, IP40 rating

10. Fire detection system automatically cuts power to HVAC system

11. 4 sensor loop fire panel with up to 60 sensors in a single loop

12. Smoke detectors temp range 20-60 degrees celcius

13. Smoke detectors shall be self extinguishing polycarbonate plastic

14. Smoke system to be connected to emergency generator

SYMBOL	DESCRIPTION
☉	PHOTOELECTRIC SMOKE DETECTOR
⊙	THERMAL DETECTOR
☐	MANUAL BREAKGLASS UNIT
☒	OPEN CEILING MOUNTED
☒	FIRE PANEL
⦿	GAS CONTAINER
⦿	GAS NOZZLE
⚡	ELECTRIC GAS ACTUATOR
☒	VISUAL BEACON

SCHEDULE OF AREAS

PROPOSED FIRST FLOOR OFFICES	410m²
PROPOSED GRND FLOOR OFFICES	410m²
PROPOSED FIRST FLR. ABLUTION	153m²
PROPOSED GRND. FLR. ABLUTION	153m²
TOTAL	1126m²
STAND	8565m²
COVERAGE	7%
FAR	0.1m²

SHEET TITLE :

PROPOSED NEW OFFICES, MALE & FEMALE STAND BY ABLUTION FACILITIES

PROPERTY DESCRIPTION : 87 ERAND A.H.

CLIENT :

DATE: 30 JULY 2024

OWNER'S SIGNATURE :

Project:

JW14468 - MALE & FEMALE STAND BY ABLUTION FACILITIES AT MIDRAND DEPOT

Description:

FIRE DETECTION - FLOOR PLAN

Issued For:

TENDER

Size:	Scale:	Sheet No:	Original Date:
A1	As Shown	1 OF 1	JULY 2024

Project No:	Drawing No:	Revision
JW14468	ME-FD03	0