



Item	Description	Dimensions	Voltage range	Max standby Current	Max alarm Current	Battery Capacity	QTY
1	smoke detector	50mm deep ø100mm	15–32vDC	300microA	7mA		12
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			3
5	Fire panel		230v AC	0,8A		2*12AH	1
6	FM 200 Gas Suppression System c/w All devices						0

KEON

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Johannesburg Water

JOHANNESBURG WATER

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Engineer:

L. Buerwerwe 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

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

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35

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70

75

80

85

90

95

100

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 sq.mm PH120 fire resistant cable

9. Line relays switch current 1.5A 30Vac, 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 celsius

13. Smoke detectors shall be self extinguishing polycarbonate plastic

14. Smoke system to be connected to emergency generator

LEGEND

SYMBOL

DESCRIPTION

PHOTOELECTRIC SMOKE DETECTOR

THERMAL DETECTOR

MANUAL BREAKGLASS UNIT

GREEN CEILING MOUNTED

FIRE PANEL

GAS CONTAINER

GAS NOZZLE

ELECTRIC GAS ACTUATOR

VISUAL BEACON

Refer To Drawing No:

Key Plan:

No

Date

Details

Revisions

Chd

Appd

Project:

JW14468 - NEW OFFICES AT MIDRAND DEPOT

Description:

Fire Detection - First Floor

Issued For:

TENDER

Size:

A1

Scale:

As Shown

Sheet No:

1 OF 1

Original Date:

JULY 2024

Project No:

JW14468

Drawing No:

ME-FD01

Revision:

0