



GROUND FLOOR FIRE  
DETECTION PLAN LAYOUT  
SCALE 1:100

GENERAL NOTES

1. ALL PRIMARY CO-ORDINATION TO BE THE RESPONSIBILITY OF THE PRINCIPLE AGENT.
2. HAND HELD FIRE EXTINGUISHERS AND HYDRANTS ARE TO BE PROVIDED AS INDICATED ON THE RELEVANT PLAN DRAWINGS.
3. HOSE REELS ARE TO BE PROVIDED AS INDICATED ON THE RELEVANT PLAN DRAWINGS AND ARE TO HAVE A MINIMUM FLOW RATE OF 5 l/s AT 200KPA.
4. FINAL FIRE SIGNAGE IS TO BE DETERMINED ON SITE WITH THE COUNCIL'S FIRE OFFICER.
5. WATER SUPPLY REQUIREMENTS AT EACH HYDRANT IS TO BE 20 l/s AT 200kPa MINIMUM.
6. FIRE ESCAPE ROUTES, INCLUDING CORRIDORS AND STAIRWAYS SHALL HAVE A MINIMUM WIDTH OF 1100mm.
7. ALL VERTICAL OPENINGS BETWEEN FLOORS SHALL BE FIRE STOPPED.
8. ALL ESCAPE ROUTES SHALL HAVE A FIRE RESISTANCE OF 60 MINUTES.
9. ALL EMERGENCY ROUTES SHALL HAVE A FIRE RESISTANCE OF 120 MINUTES.
10. THE LIFT SHAFT IS TO BE POSITIVELY PRESSURISED ON FIRE CONDITIONS.
11. FOR FIRE HOSE REELS/HYDRANTS & SPRINKLER POSITIONS SEE INDIVIDUAL FLOOR PLAN DRAWINGS.

LEGEND

- SMOKE DETECTOR
- HEAT DETECTOR
- RED FIRE BREAK GLASS UNIT
- STROBE LIGHT
- SIREN

NOTES

1. POSITIONS OF DETECTORS AND CONDUIT ROUTES TO BE CO-ORDINATED WITH OTHER SERVICES.
2. PROVIDE 300x300mm MARSHALLING BOX BEHIND MAIN FIRE PANEL WITH CONDUITS INCLUDING RETURN TO 2 LOOPS, WIRING TO SOUNDERS AND BEACONS (IF NOT LOOP DRIVEN) TO RUN IN LOOP WIRING CONDUIT.
3. PROVIDE LINE ISOLATORS BETWEEN EVERY 20 DEVICES ON EACH LOOP.
4. CONDUITS TO CROSS OVER P8000 IN CEILING VOID.
5. INSTALLATION TO COMPLY WITH NATIONAL BUILDING REGULATIONS AND SANS 10400 IN EVERY ASPECT.

ISSUE FOR TENDER	
REVISION No	DATE
DESCRIPTION:	
<b>REVISIONS</b>	
SIZE ON ORIGINAL DRAWING 100 mm	

**CONSTRUCTION  
OF  
MAKUWA LIBRARY**

PROJECT NAME:  
CONSTRUCTION OF MAKUWA LIBRARY

CLIENT:  
  
**FETAKGOMO TUBATSE  
LOCAL MUNICIPALITY**  
PO BOX 206  
BURGERSFORT  
1150

DISCIPLINE:  
MECHANICAL

WORK DESCRIPTION:  
NEW LIBRARY

DRAWING DESCRIPTION:  
FIRE DETECTION LAYOUT

FILE No.	DESIGN	SCALE	W NGOBENI	W NGOBENI	DRAWN	W NGOBENI	CHECKED
			AS SHOWN	W NGOBENI			

RESPONSIBLE PROFESSIONAL			
DATE	NAME	SIGNATURE	PR NUMBER
16-11-2021	W NGOBENI		2019600355

  
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CONTRACTOR:

CADD SYSTEM	AUTOCAD	FILE NAME
SIZE	DRAWING NUMBER	REV
<b>A1</b>	<b>WAN-MFD01</b>	<b>0</b>