



FIRST FLOOR PLAN: FIRE PROTECTION
SCALE 1:50

Signage Legend:

All signs to be 190mm x 190mm photo-luminescent, with white back ground

- FIRE NOTES:**
- All work to comply with Act 103 of 1977 and SANS 10400 - 2011.
 - All installation work to comply with Occupational Health & Safety Act (Act 85 of 1993).
 - All uncertainties to be verified with the Fire Engineer.
 - Occupancy Classification as indicated.
 - Fire Extinguishers to be installed according to SANS 10105 and quantity according to Table 11 in SANS 10400 Part T.
 - Fire Hose Reels to be installed in accordance with SANS 10543 at a height of 1500mm above floor finish level.
 - Hydrants to be installed in accordance with SANS 1128: Part 1 at a height of 1000mm above ground level.
 - All services, pipes or ducts which penetrates fire walls or floor slabs between floor levels must be fire stopped and installation should be approved by Fire Engineer.
 - Water supply to the fire fighting equipment to comply with the Rational Design or SANS 10400- 2011 Part W - and with Water By-Laws.
 - Portable fire extinguishers to be hung on purpose made boards, or installed in cabinets, as indicated on plan.
 - Floor coverings according to SANS 10400 Part T, Table 8:
 - Wall finishes according to SANS 10400 Part T, Table 9:
 - Emergency lighting to be installed and designed in accordance with SANS 10400 - Part T and SANS 10114-2 and SANS 1464-22.
 - Photoluminescence escape signs be provided and to comply with SANS 1186. Photoluminescence pictorial signs, indicating fire equipment, to be provided and to comply with SANS 1186.
 - Suspended ceilings and its supporting members, shall be of non-combustible non fire propagating material complying with SANS 428.
 - Structural elements and components shall comply with SANS 10400 Part T, Table 6
 - Insulation material to comply with SANS 428 : 2006.
 - Pipes underground to be HDPE - and above ground Copper to match existing pipes or as indicated in SANS 10251-1. All fire water reticulation pipes should be pressure tested at 1.5 times the working pressure.
 - Green directional arrows indicate path of primary escape. All doors along primary escape routes must be provided with emergency lock-sets approved by fire department. Lock-sets include thumb-turn locks or panic bars.
 - Automatic fire detection complying to SANS 10139 to be provided in all office areas and ceiling voids deeper than 800mm. PH30 fire resistant cable or similar is to be used for the entire system.
 - Smoke and fire detection shop drawings are to be submitted by a SAQCC registered designer to fire engineer for approval prior to construction/installation, SAQCC design and compliance certificates issued for work approval.

Legend:

- Wet curtain protected glass door
- Self-closing Glass 'B'
- Escape Route
- Smoke Baffle
- 120min Fire-rated Firewall
- 65mm Pillar Type Fire Hydrant
- Fire Booster Connection
- Hose reel & 2 x extinguishers
- Fire extinguisher
- Fire extinguisher in translucent cage
- Siren - Red Flashing Type
- Smoke Detector
- Manual Call Point
- Heat Detector
- Fire Control Panel
- Air inlet galvanized steel duct

Revisions

REV	DATE	DESCRIPTION	BY
REV 01	18/10/2017	ARCHITECT CHANGE	By
REV 02	19/10/2017	WET SERVICES CHANGE	By
REV 03	15/06/2018	ARCHITECT CHANGE	By

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Project Title:
**SBIMB LABORATORY
ADDITION TO SBIMB LABORATORY**

Service Title:
FIRE PROTECTION

Drawing Title:
FIRST FLOOR FIRE PROTECTION

Drawing Number: **DV 231-300-002** Rev No: **REV 03**

Scale: **AS SHOWN** Engineer: **J A LA GRANGE**
Signed: **Pr.Eng. No 20160187**
Date: **15/06/2018** Drawn: **JR**

FOR INFORMATION

