



FIRST STOREY - PROPOSED DETECTION LAYOUT (Scale 1:100)

- FIRE DETECTION NOTES
- FIRE DETECTION DESIGN IN ACCORDANCE WITH SANS 10139
- SPACE CLASSIFICATION = G1 - OFFICE
 - FLOOR AREA = 1125 m²
 - POPULATION = 1/SEAT = 108 PEOPLE
 - DETECTION CATEGORY = L1 SYSTEM
 - FIRE RESISTANT CABLES =PH30 IN ACCORDANCE WITH SANS 10139
 - AUDIBLE ALARM SOUND LEVEL = 65 DBA
 - WIRE WAYS = 25mm PVC THROUGHOUT C/W METAL SADDLES EVERY 500mm
 - THE FIRE DETECTION SYSTEM MUST BE INTERFACED WITH THE FOLLOWING
 - DUCTED A/C SYSTEM TO SHUT DOWN
 - FRESH AIR SYSTEM TO SHUT DOWN
 - SMOKE VENTILATION SYSTEM TO START
 - ACCESS CONTROLLED DOORS TO RELEASE
 - LIFT TO HOME UNDER A FIRE CONDITION

- SCOPE OF WORK
- SUPPLY AND INSTALL NEW DETECTION AND EVACUATION EQUIPMENT AS INDICATED.
 - 44-OFF NEW SMOKE DETECTORS
 - 1-OFF NEW HEAT DETECTORS
 - 1-OFF BREAK GLASS UNITS C/W SOUNDER AND STROBE LIGHTS
 - 9-OFF GREEN BREAK GLASS UNIT
 - 14-OFF STROBE LIGHTS WITH BUILT IN SOUNDER
 - COMPLETE A FUNCTIONALITY TEST TO ENSURE THE SYSTEM OPERATES SATISFACTORILY UNDER A FIRE CONDITION.
 - CONDUCT A SOUND LEVEL TEST FOR THE EVACUATION SYSTEM.
 - TRAIN OCCUPANTS ON THE SYSTEM INSTALLATION.

| FIRE DETECTION LEGENDS & COUNT | | | |
|--------------------------------|-----------|--|-------|
| SYMBOL | REFERENCE | DESCRIPTION | QTY. |
| | BG | BREAK GLASS UNIT WITH SOUNDER AND STROBE | 1 |
| | SS | STROBE LIGHT WITH BUILT-IN SOUNDER | 14 |
| | SD | SMOKE DETECTOR | 44 |
| | HD | HEAT DETECTOR | 1 |
| | BGU | GREEN BREAK GLASS UNIT | 9 |
| | | PH30 FIRE RATED CABLE | 1035m |
| | | Ø25mm CONDUIT LINK | 518m |

| REVISIONS | | | | |
|-----------|------------|------------------------|--------|--------|
| No | Date | Description | Rev By | Ckd By |
| A | 23/08/2023 | ISSUED FOR INFORMATION | N.H | H.R |

09 Plantanus Street
Kuilsvier
7580

Cell.: (072) 948 4470
Tel.: (021) 903 1407
Email: info@consultmech.co.za

PROJECT: LAHAIE LA SARS - BLOCK D
BROOKLYN

DWG TITLE: FIRST STOREY - PROPOSED
DETECTION LAYOUT

DWG NUMBER: 21B09-D-604-05 REV. A

DESIGNED BY: N.H NTULI SCALE: 1:100 @ A1

CHECKED BY: H.D ROUX ECSA NUMBER: 201070151

APPROVED BY: H.D ROUX ECSA NUMBER: 201070151

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| ISSUE DATE: | 2023-08-23 |
| REVISION: | A |
| X | FOR INFORMATION |
| | FOR APPROVAL |
| | FOR TENDER |
| | FOR CONSTRUCTION |
| | AS-BUILT |