

Local Authority stamp



SITE LOCATION

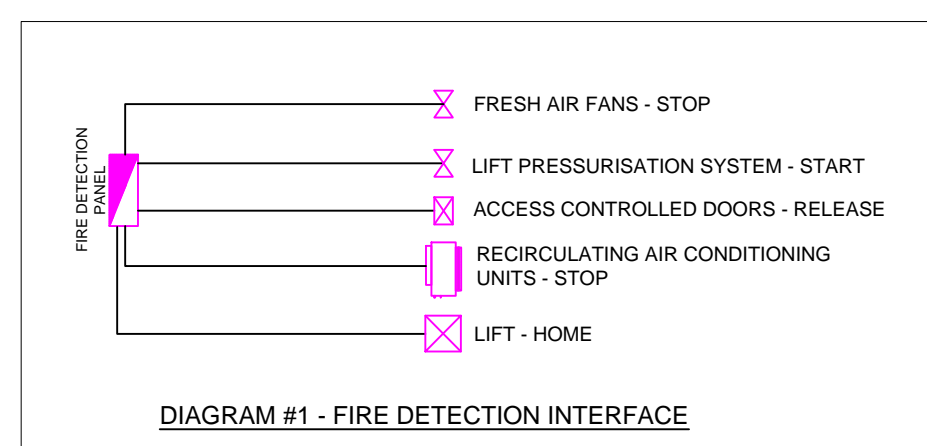
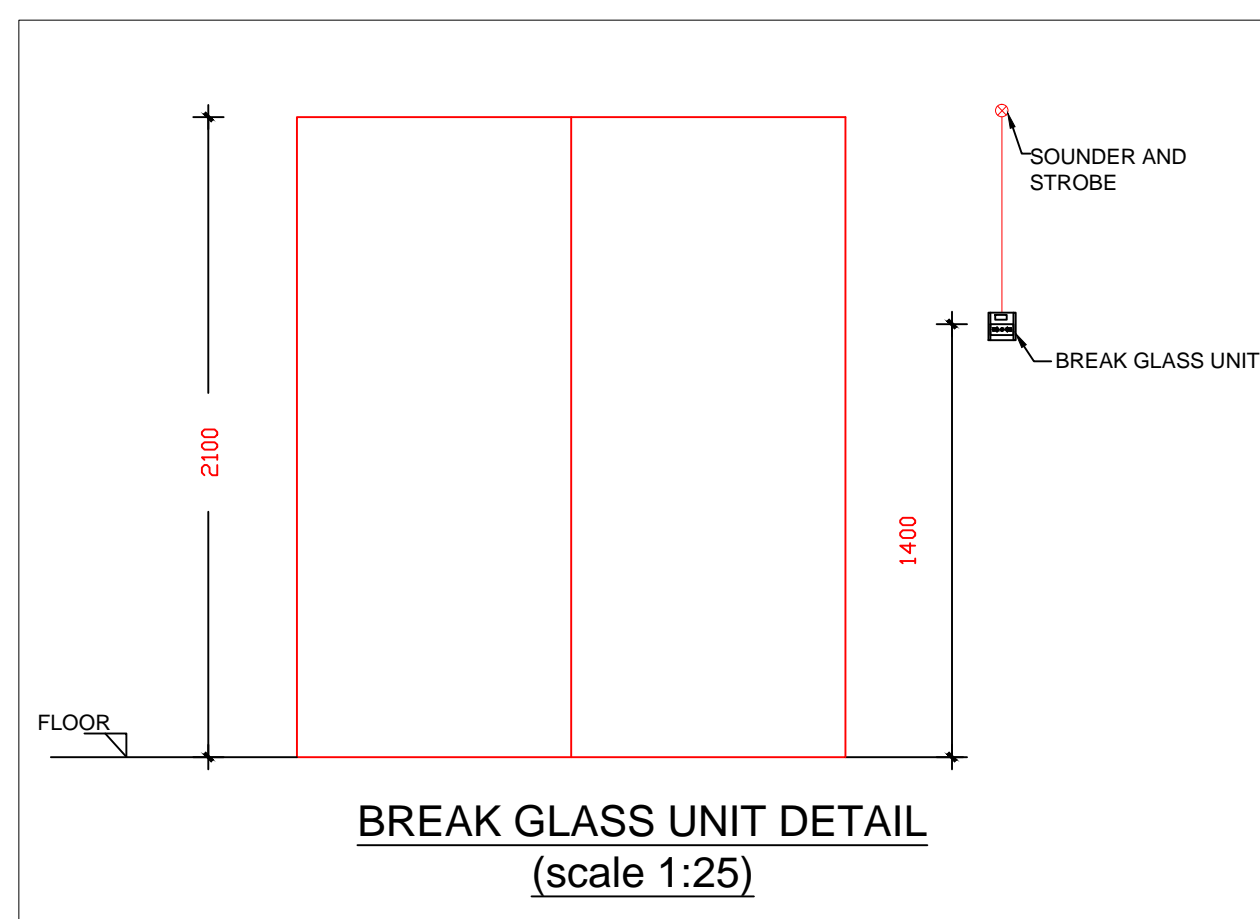


IMAGE 1 - SMOKE DETECTOR



IMAGE 2 - STROBE LIGHT



IMAGE 3 - BREAK GLASS UNIT



IMAGE 4 - SOUNDER & STROBE BEACON



IMAGE 5 - FIRE PANEL



IMAGE 6 - HEAT DETECTOR

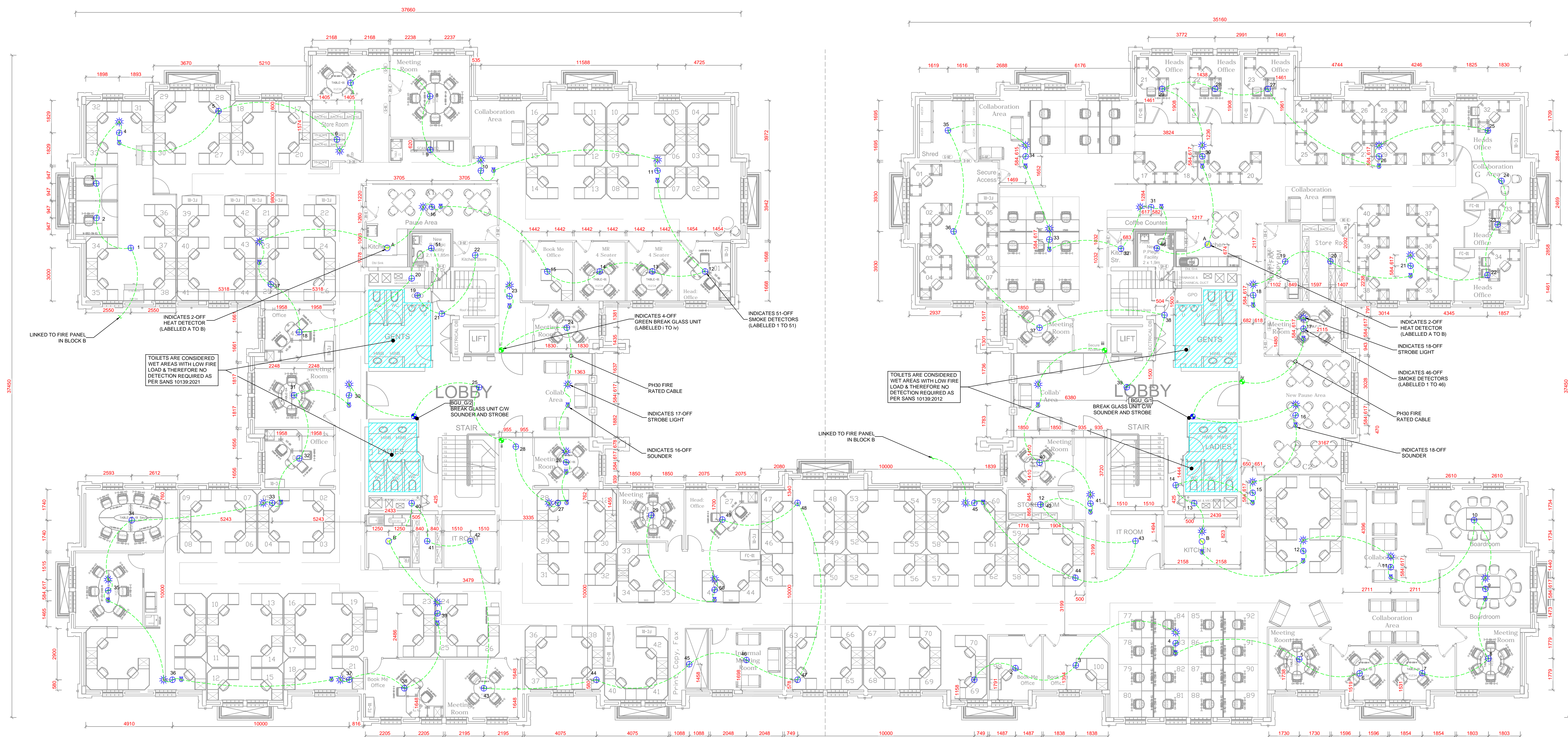


IMAGE 7 - PH30 FIRE RATED CABLE

- FIRE DETECTION NOTES**
- FIRE DETECTION DESIGN IN ACCORDANCE WITH SANS 10139
1. SPACE CLASSIFICATION = G1 - OFFICE
  2. FLOOR AREA = 2234 m<sup>2</sup>
  3. POPULATION = 1/SEAT = 444 PEOPLE
  4. DETECTION CATEGORY = L1 SYSTEM
  5. FIRE RESISTANT CABLES = PH30 IN ACCORDANCE WITH SANS 10139
  6. AUDIBLE ALARM SOUND LEVEL = 65 DBA
  7. WIRE WAYS = 25mm PVC THROUGHOUT C/W METAL SADDLES EVERY 500mm
  8. THE FIRE DETECTION SYSTEM MUST BE INTERFACED WITH THE FOLLOWING
    - DUCTED A/C SYSTEM TO SHUT DOWN
    - FRESH AIR SYSTEM TO SHUT DOWN
    - ACCESS CONTROLLED DOORS TO RELEASE
    - LIFT TO HOME UNDER A FIRE CONDITION

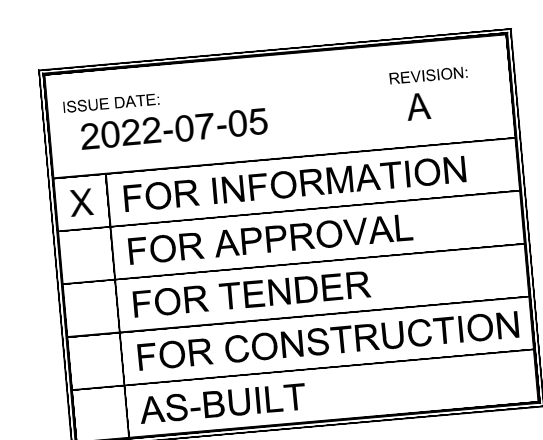
- SCOPE OF WORK**
1. SUPPLY AND INSTALL NEW DETECTION AND EVACUATION EQUIPMENT AS INDICATED.
    - 2-OFF BREAK GLASS UNIT C/W BASE SOUNDER AND STROBE LIGHT
    - 97-OFF NEW SMOKE DETECTORS
    - 4-OFF NEW HEAT DETECTORS
    - 35-OFF STROBE LIGHTS
    - 34-OFF SOUNDER
    - 4-GREEN BREAK GLASS UNITS
  2. COMPLETE A FUNCTIONALITY TEST TO ENSURE THE SYSTEM OPERATES SATISFACTORILY UNDER A FIRE CONDITION.
  3. CONDUCT A SOUND LEVEL TEST FOR THE EVACUATION SYSTEM.
  4. TRAIN OCCUPANTS ON THE SYSTEM INSTALLATION.

FIRE DETECTION LEGENDS & COUNT		
SYMBOL/REFERENCE	DESCRIPTION	QTY.
BG	BREAK GLASS UNIT WITH SOUNDER AND STROBE	2
S	SOUNDER	34
SL	STROBE LIGHT	35
SD	SMOKE DETECTOR	97
HD	HEAT DETECTOR	4
BGU	GREEN BREAK GLASS UNIT	4
PH30 FIRE RATED CABLE		1398m
25mm CONDUIT LINK		699m



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

REVISIONS			
No.	Date	Description	Rev By / Chk By
1	2022-07-05	ISSUED FOR INFORMATION	E.K. / H.K.



**CONSULTECH**  
Mechanical Engineers

09 Plantanus Street  
Kuisiriver 7580

Cell: (072) 949 4470  
Tel: (021) 903 1407  
Email: info@consultech.co.za

PROJECT: LAHAE LA SANS - BLOCK GH  
DWG TITLE: BROOKLYN  
DWG NUMBER: 21B09-D-610-01  
DESIGNED BY: E. ILUNGA  
CHECKED BY: H.D. ROUX  
APPROVED BY: H.D. ROUX  
SCALE: 1:100 @ A2  
ECBA NUMBER: 201070151  
REV: A

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