



IMAGE 1 - SMOKE DETECTOR



IMAGE 2 - STROBE LIGHT



IMAGE 3 - BREAK GLASS UNIT



IMAGE 4 - SOUNDER & STROBE BEACON



IMAGE 5 - PH30 FIRE RATED CABLE

- FIRE DETECTION NOTES
- FIRE DETECTION DESIGN IN ACCORDANCE WITH SANS 10139
1. SPACE CLASSIFICATION = G1- OFFICE
 2. FLOOR AREA = 1125m²
 3. POPULATION = 1/SEAT = 96 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 DUCTED A/C SYSTEM TO SHUT DOWN UNDER A FIRE CONDITION

- SCOPE OF WORK
1. SUPPLY AND INSTALL NEW DETECTION AND EVACUATION EQUIPMENT AS INDICATED.
 - 41-OFF NEW SMOKE DETECTORS
 - 1-OFF NEW HEAT DETECTORS
 - 3-OFF BREAK GLASS UNITS C/W SOUNDER AND STROBE LIGHTS
 - 5-OFF NEW GREEN BREAK GLASS UNITS
 - 19-OFF STROBE LIGHTS C/W SOUNDER
 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	3
⊗	SS	STROBE LIGHT WITH BUILT-IN SOUNDER	19
⊕	SD	SMOKE DETECTOR	41
⊗	HD	HEAT DETECTOR	1
⊕	BGU	GREEN BREAK GLASS UNIT	5
---		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

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PROJECT NO: STAGE 01 02 03 04 05 06

PROJECT: LAHAIE LA SARS - BLOCK D

DWG TITLE: BROOKLYN

DWG NUMBER: 21B09-D-604-04 REV. A

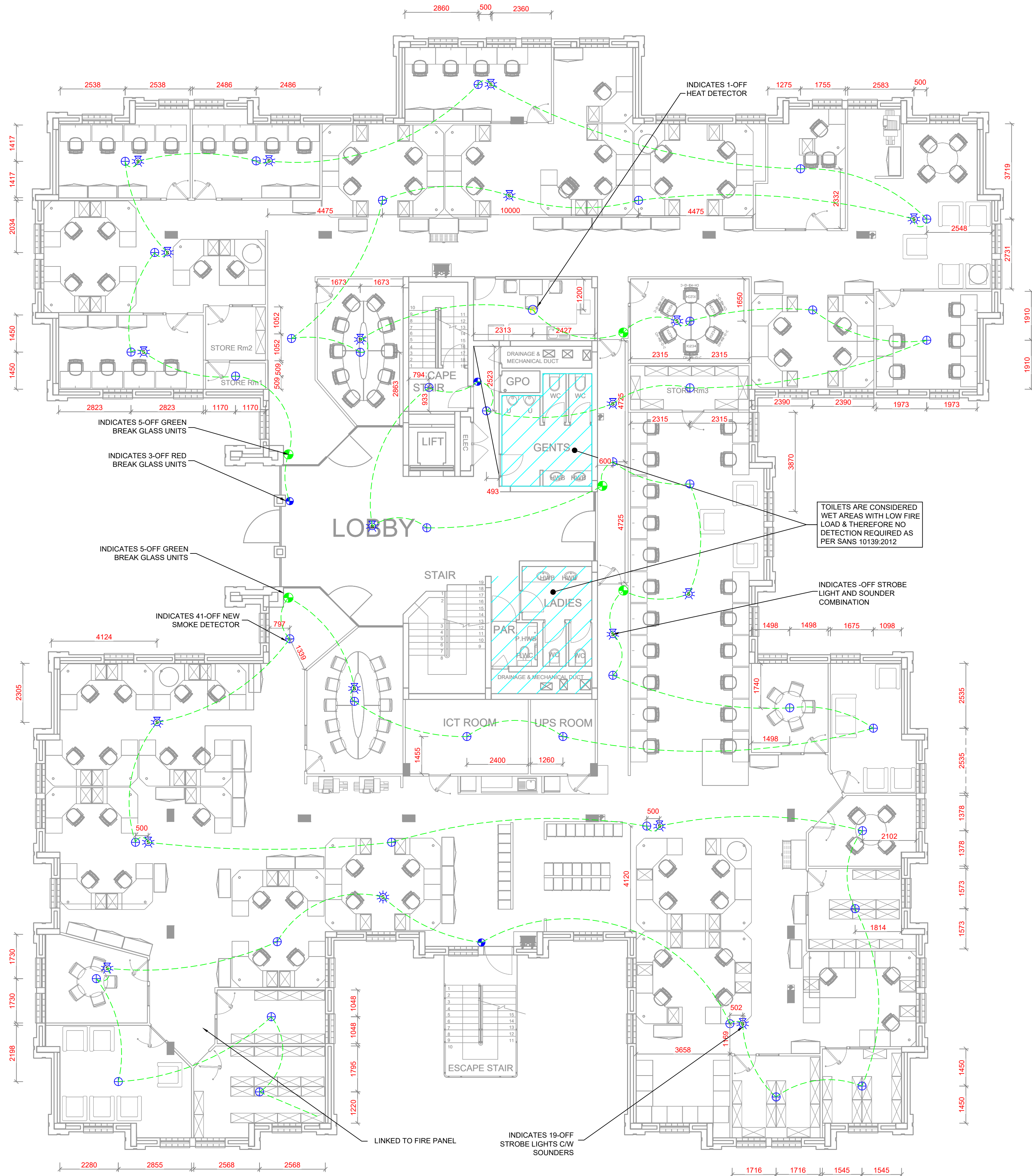
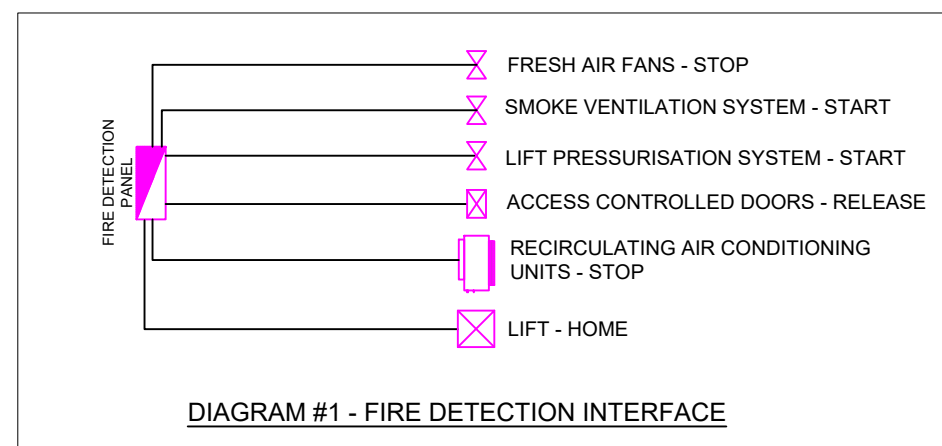
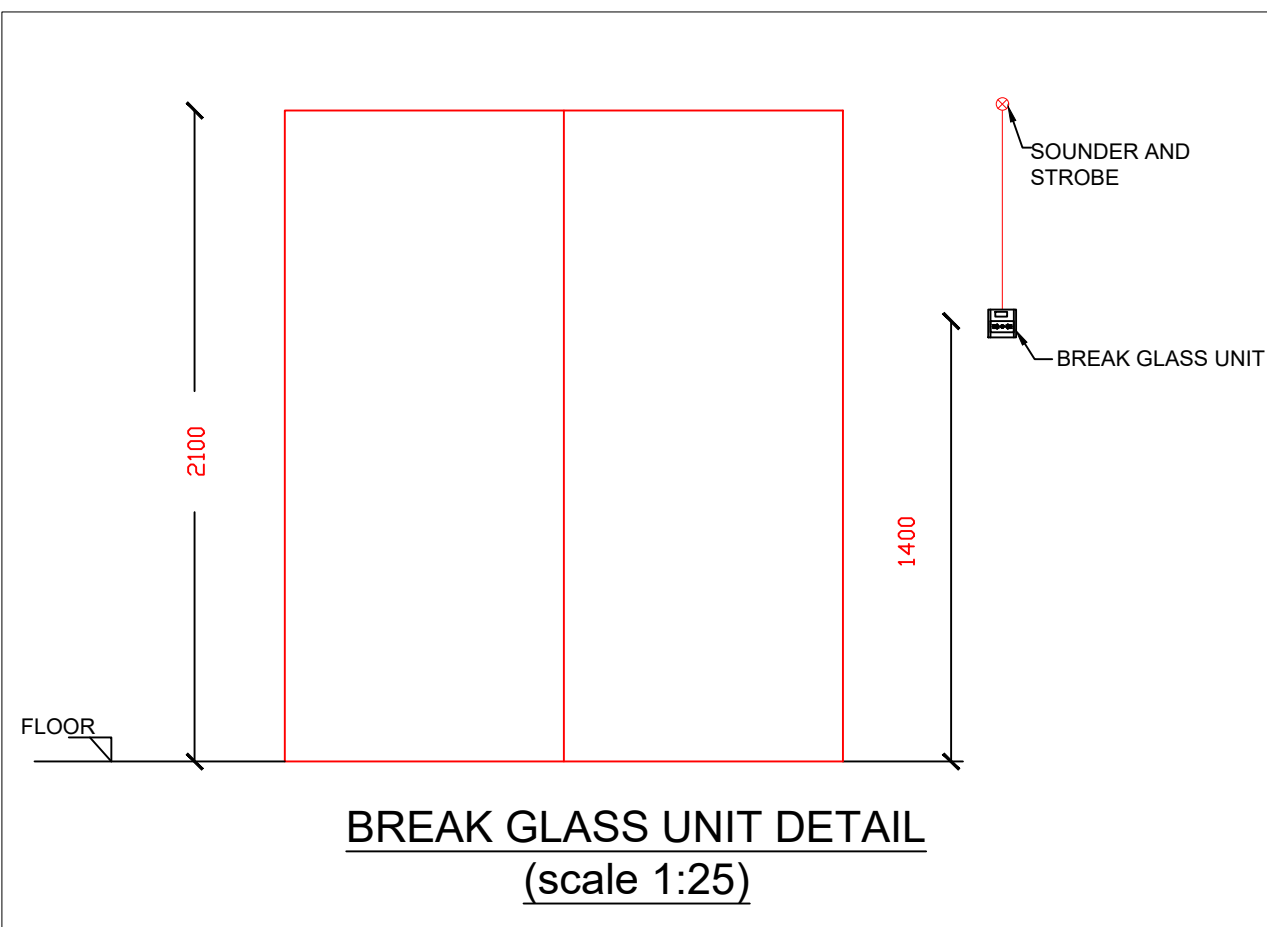
PRACTITIONER: S. MAFUYA SCALE: 1:100 @ A1

REVIEWED BY: H.D ROUX ECSA NUMBER: 201070151

APPROVED BY: H.D ROUX ECSA NUMBER: 201070151

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