











- ## FIRE DETECTION NOTES
- FIRE DETECTION DESIGN IN ACCORDANCE WITH SANS 10139
1. SPACE CLASSIFICATION = G1 - OFFICE
 2. FLOOR AREA = 1060 m²
 3. POPULATION = 1/SEAT = 147 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.
 - 4-OFF BREAK GLASS UNIT C/W BASE SOUNDER AND STROBE LIGHT
 - 38-OFF NEW SMOKE DETECTORS
 - 2-OFF NEW HEAT DETECTORS
 - 16-OFF STROBE LIGHTS
 - 14-OFF SOUNDERS
 - 4 GREEN BREAK GLASS UNITS
 - 3-OFF LINE RELAYS
 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	4
	S	SOUNDER	14
	S	STROBE LIGHT	15
	SD	SMOKE DETECTOR	38
	HD	HEAT DETECTOR	2
	BGU	GREEN BREAK GLASS UNIT	4
	LR	LINE RELAYS	3
		PH30 FIRE RATED CABLE	598m
		Ø25mm CONDUIT LINK	299m

REVISIONS				
No	Date	Description	Rev By	Chk By
A	2022/07/05	ISSUED FOR INFORMATION	M.M	H.R

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PROJECT	LAHAE LA SARRS - BLOCK H		
	BROOKLYN		
DWG TITLE	GROUND STOREY - PROPOSED		
	DETECTION LAYOUT		
DWG NUMBER	21B09-D-609-01		REV. A
DESIGNED BY	E. ILUNGA	SCALE	1:100 @ A1
CHECKED BY	H.D ROUX	ECSA NUMBER	201070151
APPROVED BY	H.D ROUX	ECSA NUMBER	201070151
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GROUND STOREY - PROPOSED DETECTION LAYOUT (Scale 1:100)

ISSUE DATE: 2022-07-05		REVISION: A
X	FOR INFORMATION	
	FOR APPROVAL	
	FOR TENDER	
	FOR CONSTRUCTION	
	AS-BUILT	