



- FIRE DETECTION NOTES
- FIRE DETECTION DESIGN IN ACCORDANCE WITH SANS 10139
- SPACE CLASSIFICATION = G1 - OFFICE
 - FLOOR AREA = 1118 m²
 - POPULATION = 1/SEAT = 166 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
 - 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.
 - 3-OFF BREAK GLASS UNIT C/W BASE SOUNDER AND STROBE LIGHT
 - 53-OFF NEW SMOKE DETECTORS
 - 14-OFF STROBE LIGHTS
 - 14-OFF SOUNDRERS
 - 6 GREEN BREAK GLASS UNITS
 - 3-OFF LINE RELAYS
 - 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	3
	S	SOUNDER	14
	S	STROBE LIGHT	14
	SD	SMOKE DETECTOR	53
	HD	HEAT DETECTOR	3
	BGU	GREEN BREAK GLASS UNIT	6
	LR	LINE RELAYS	3
		PH30 FIRE RATED CABLE	658m
		Ø25mm CONDUIT LINK	329m

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

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PROJECT: LAHAIE LA SARS - BLOCK G

DWG TITLE: BROOKLYN

DETECTION LAYOUT

DWG NUMBER: 21B09-D-608-01 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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