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|---|---------------------------------|
| FIRE DETECTION DESIGN IN ACCORDANCE WITH SANS 10139 | |
| 1. SPACE CLASSIFICATION = G1 - OFFICES | |
| 2. FLOOR AREA | = 44 m ² |
| 3. POPULATION | = 1/15m ² = 3 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 AC SYSTEM TO SHUT DOWN UNDER A FIRE CONDITION | |

1. SUPPLY AND INSTALL NEW DETECTION AND EVACUATION EQUIPMENT AS INDICATED.
 - 1-OFF NEW SMOKE DETECTORS
 - 2-OFF BREAK GLASS UNITS C/W SOUNDER AND STROBE LIGHTS
 - 1-OFF REPEATER FIRE PANEL
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.
	BGU	BREAK GLASS UNIT WITH SOUNDER AND S.TROBE	2
	SD	SMOKE DETECTOR	1
	DP	FIRE REPEATER PANEL	1
	LED	LED INDICATOR	1
	SDV	VOID SMOKE DETECTOR	1
		P400 CABLE FIRE RATED CABLING	24m
		025mm CONDUIT LINK TO FIRE PANEL	12m

REVISIONS				
No	Date	Description	Rev By	Ckd By
A	04/09/2023	ISSUED FOR INFORMATION	S.G.	H.R.

ISSUE DATE:	2023-09-04	REV/NO:	A
X	FOR INFORMATION		
	FOR APPROVAL		
	FOR TENDER		
	FOR CONSTRUCTION		
	AS-BUILT		

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PROJECT NO	21B09	STAGE	[01][02][03][04][05][06]
PROJECT	LAHAE LA SARS - BLOCK J		
	BROOKLYN		
DWG TITLE	GROUND STOREY - PROPOSED		
	FIRE DETECTION LAYOUT		
DWG NUMBER	D-611-01	REV.	A
PRACTITIONER	H/D ROUX	SCALE	1:50 @ A1
REVIEWED BY	A. DANIELS	ECSA NUMBER	202101594
APPROVED BY	H/D ROUX	ECSA NUMBER	2021070151
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