

SITE LOCATION

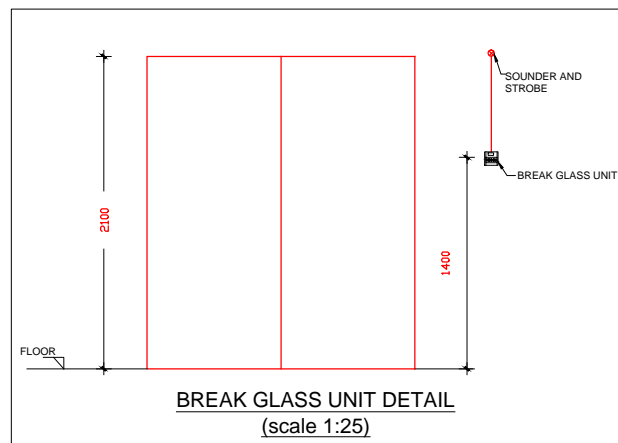


IMAGE 1 - SMOKE DETECTOR



IMAGE 2 - BREAK GLASS UNIT



IMAGE 3 - SOUNDER & STROBE BEACON



IMAGE 4 - FIRE PANEL



IMAGE 5 - HEAT DETECTOR

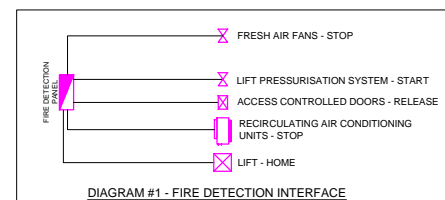


DIAGRAM #1 - FIRE DETECTION INTERFAC

FIRE DETECTION NOTES









FIRE DETECTION DESIGN IN ACCORDANCE WITH SANS 10139

1. SPACE CLASSIFICATION = G1 - OFFICE
2. FLOOR AREA = 1061 m²
3. POPULATION = 1/SEAT = 201 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
 - SMOKE VENTILATION SYSTEM TO START
 - 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.
 - 40-OFF NEW SMOKE DETECTORS
 - 3 -OFF NEW HEAT DETECTORS
 - 2-OFF BREAK GLASS UNITS C/W SOUNDER AND STROBE LIGHTS
 - 1-OFF GREEN BREAK GLASS UNIT
 - 16-OFF STROBE LIGHTS WITH BUILT IN SOUNDER
 - 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

FIRE DETECTION LEGENDS & QUANTITIES			
SYMBOL	REFERENCE	DESCRIPTION	QTY
	BG	BREAK GLASS UNIT WITH SOUNDER AND STROBE	2
	SS	STROBE LIGHT WITH BUILT-IN SOUNDER	16
	SD	SMOKE DETECTOR	40
	HD	HEAT DETECTOR	3
	BGU	GREEN BREAK GLASS UNIT	1
	LR	LINE RELAYS	3
		PH30 FIRE RATED CABLE	572m
		025mm CONDUIT LINK	286m

REVISIONS

No	Date	Description	Rev By	Chk By
A	09/06/2021	ISSUED FOR INFORMATION	M.M	H.R
B	2022/06/27	DRAWING UPDATED TO SUIT THE NEW ARCHITECTURE	L.S	H.R



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PROJECT	LAHAE LA SARS - BLOCK E
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BROOKLYN

DWG TITLE GROUND STOREY - PROPOSED

DETECTION LAYOUT

DWG NUMBER	21B09-D-605-01	REV.	B
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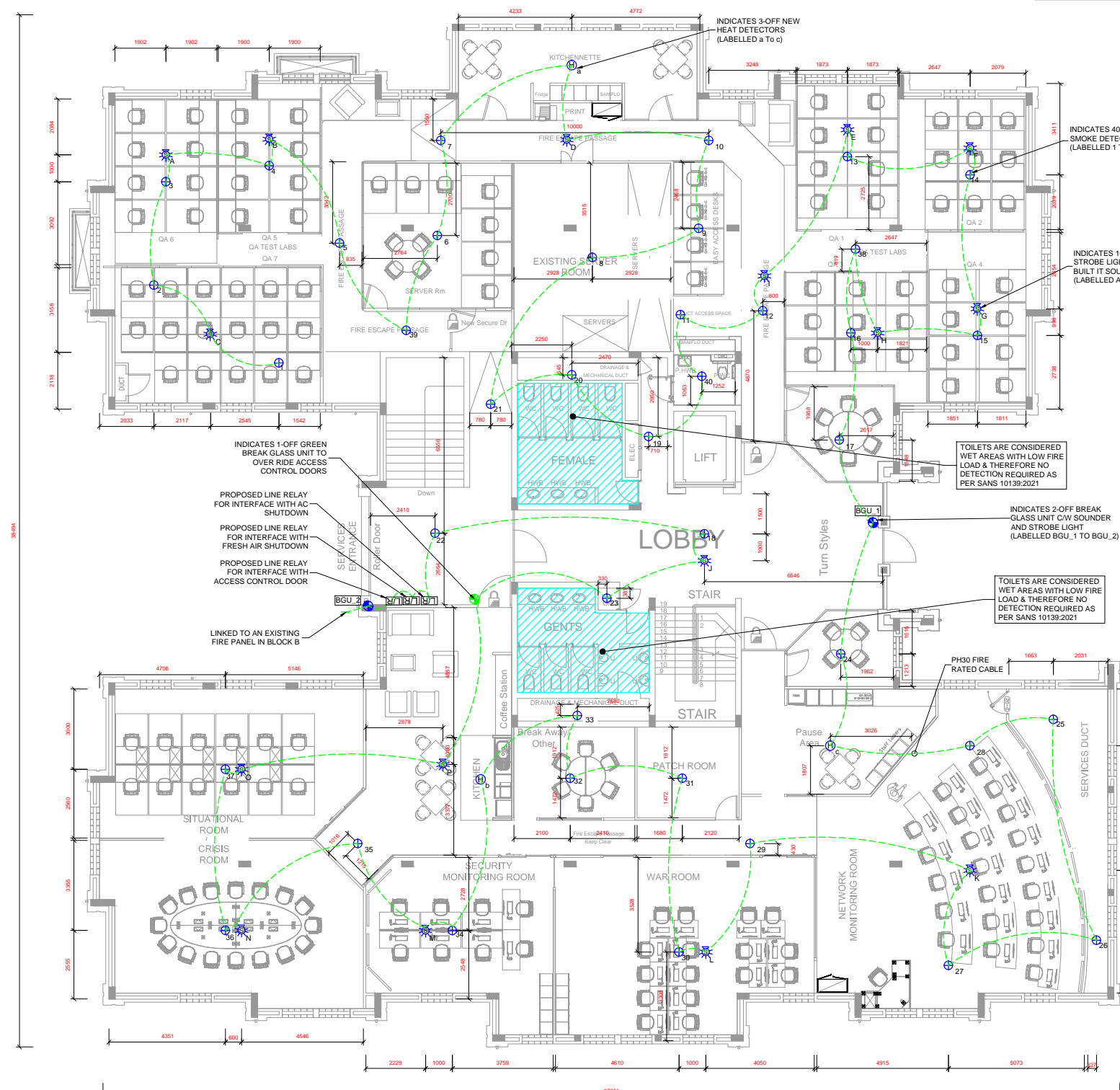
DESIGNED BY	L.N. SIBIYA	SCALE	1:100 @ A1
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CHECKED BY	H.D ROUX	ECSA NUMBER	201070151
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APPROVED BY	H. D. ROUX	ECSA NUMBER	201070151
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GROUND STOREY - PROPOSED DETECTION LAYOUT (Scale 1:100)

ISSUE DATE: 2022-06-27		REVISION: B
X	FOR INFORMATION	
	FOR APPROVAL	
	FOR TENDER	
	FOR CONSTRUCTION	
	AS-BUILT	