











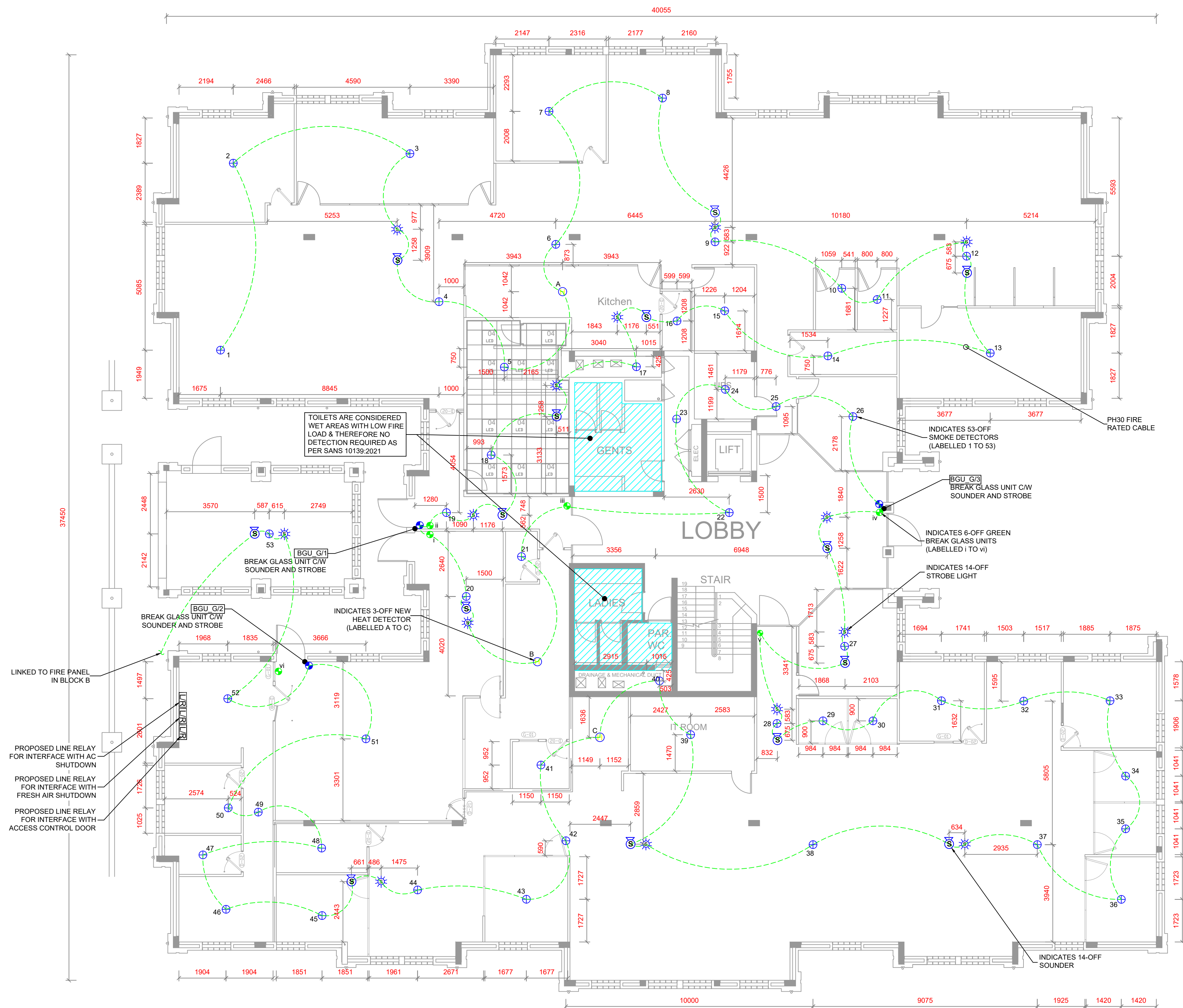
- | FIRE DETECTION NOTES | |
|---|--|
| FIRE DETECTION DESIGN IN ACCORDANCE WITH SANS 10139 | |
| 1. | SPACE CLASSIFICATION = G1 - OFFICE |
| 2. | FLOOR AREA = 1118 m ² |
| 3. | POPULATION = 1/SEAT = 166 PEOPLE |
| 4. | DETECTION CATEGORY = L1 SYSTEM |
| 5. | FIRE RESISTANT CABLES =PH30 IN ACCORDANCE 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 <ul style="list-style-type: none"> - 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.
- 3-OFF BREAK GLASS UNIT C/W BASE SOUNDER AND STROBE LIGHT
- 53-OFF NEW SMOKE DETECTORS
- 3-OFF NEW HEAT DETECTORS
- 14-OFF STROBE LIGHTS
- 14-OFF SOUNDERS
- 6 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 STROBO	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

[illegible]

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PROJECT	LAHAE LA SARS - STREET G
DWG TITLE	BROOKLYN GROUND STOREY - PROPOSED DETECTION LAYOUT
DWG NUMBER	21B09-D-608-01 <div>REV. A</div>
DESIGNED BY	E. ILUNGA <div>SCALE 1:100 @ A1</div>
CHECKED BY	H.D.ROUX <div>ECSA NUMBER 201070151</div>
APPROVED BY	H.D.ROUX <div>ECSA NUMBER 201070151</div>
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GROUND STOREY - PROPOSED DETECTION LAYOUT (Scale 1:100)

