



IMAGE 1 - SMOKE DETECTOR



IMAGE 2 - BREAK GLASS UNIT



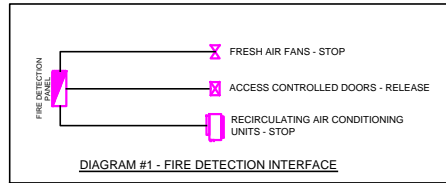
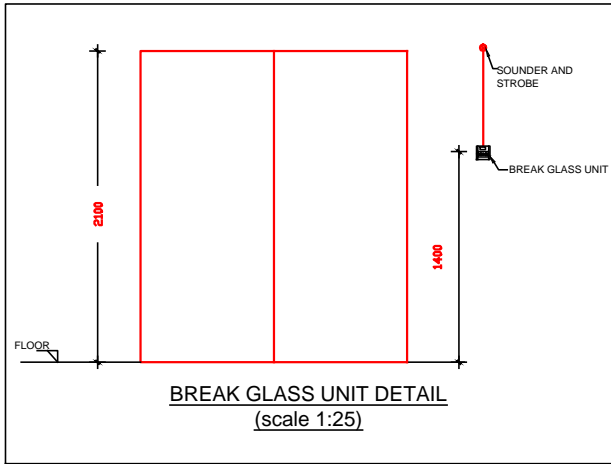
IMAGE 3 - SOUNDER & STROBE BEACON



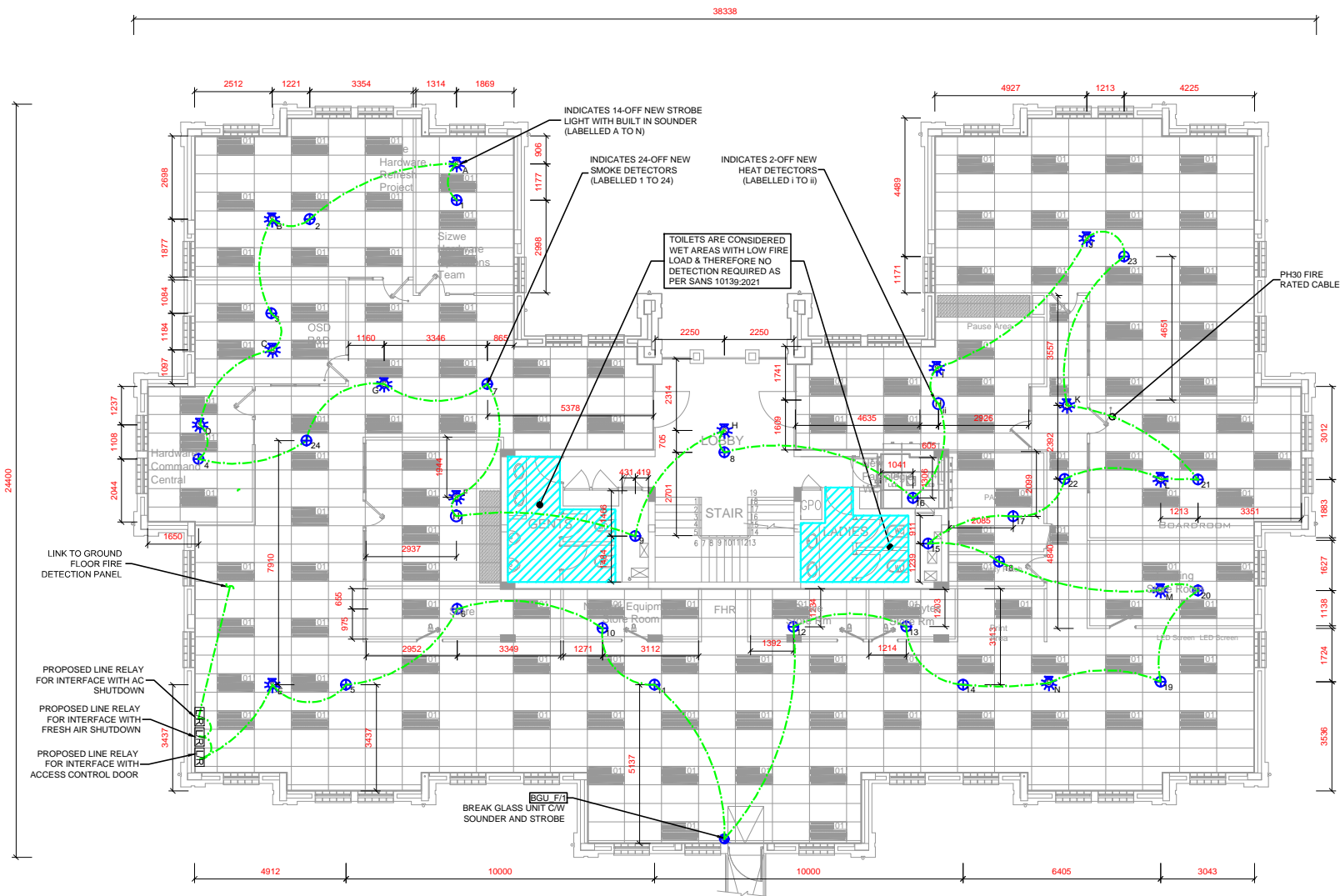
IMAGE 4 - HEAT DETECTOR



IMAGE 5 - PH30 FIRE RATED CABLE



SITE LOCATION



FIRST STOREY - PROPOSED DETECTION LAYOUT (Scale 1:100)

FIRE DETECTION NOTES	
FIRE DETECTION DESIGN IN ACCORDANCE WITH SANS 10139	
1. SPACE CLASSIFICATION = G1 - OFFICE	
2. FLOOR AREA = 657 m ²	
3. POPULATION = 1/SEAT = 86 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	

SCOPE OF WORK	
1. SUPPLY AND INSTALL NEW DETECTION AND EVACUATION EQUIPMENT AS INDICATED.	
- 24-OFF NEW SMOKE DETECTORS	
- 2 -OFF NEW HEAT DETECTORS	
- 1-OFF BREAK GLASS UNITS C/W SOUNDER AND STROBE LIGHTS	
- 14-OFF STROBE LIGHTS WITH BUILT IN SOUNDER	
- 3 -OFF NEW 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	1
	SS	STROBE LIGHT WITH BUILT-IN SOUNDER	14
	SD	SMOKE DETECTOR	24
	HD	HEAT DETECTOR	2
	LR	LINE RELAYS	3
		PH30 FIRE RATED CABLE	342m
		Ø25mm CONDUIT LINK	171m

ISSUE DATE	2022-07-14	REVISION	C
FOR INFORMATION			
FOR APPROVAL			
X FOR TENDER			
FOR CONSTRUCTION			
AS-BUILT			

REVISIONS				
No	Date	Description	Rev By	Ckd By
A	2021-06-29	ISSUED FOR INFORMATION	B.N	H.R
B	2021-08-04	DRAWING UPDATED TO SUIT NEW ARCHITECTURE	S.M	H.R
C	2022/07/14	DRAWING UPDATED W.R.T - NEW ARCHITECTURE ADDED - ISSUED FOR TENDER	LS	H.R

		09 Plantanus Street Kuijsriver 7580	
PROJECT		LAHAE LA SARS - BLOCK C	
DWG TITLE		BROOKLYN	
DWG NUMBER		21B09-D-603-04	
DESIGNED BY		L.N SIBIYA	
CHECKED BY		H.D ROUX	
APPROVED BY		H.D ROUX	
SCALE		1:100 @ A1	
ECSA NUMBER		201070151	
REV.		C	
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