











FIRE DETECTION NOTES	
FIRE DETECTION DESIGN IN ACCORDANCE WITH SANS 10130	
1.	SPACE CLASSIFICATION = G1 - OFFICE
2.	FLOOR AREA = 2234 m ²
3.	POPULATION = 1/SEAT = 373 PEOPLE
4.	DETECTION CATEGORY = L1 SYSTEM
5.	FIRE RESISTANT CABLES = P430 IN ACCORDANCE WITH SANS 10139
6.	AUDIBLE ALARM SOUND LEVEL = 65 DBA
7.	WIRE MAYS = 25mm PVC THROUGHOUT C/W METAL SADDLES EVERY 500mm
8.	THE FIRE DETECTION SYSTEM MUST BE INTERFACED WITH THE FOLLOWING - DUCTED EXHAUST 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

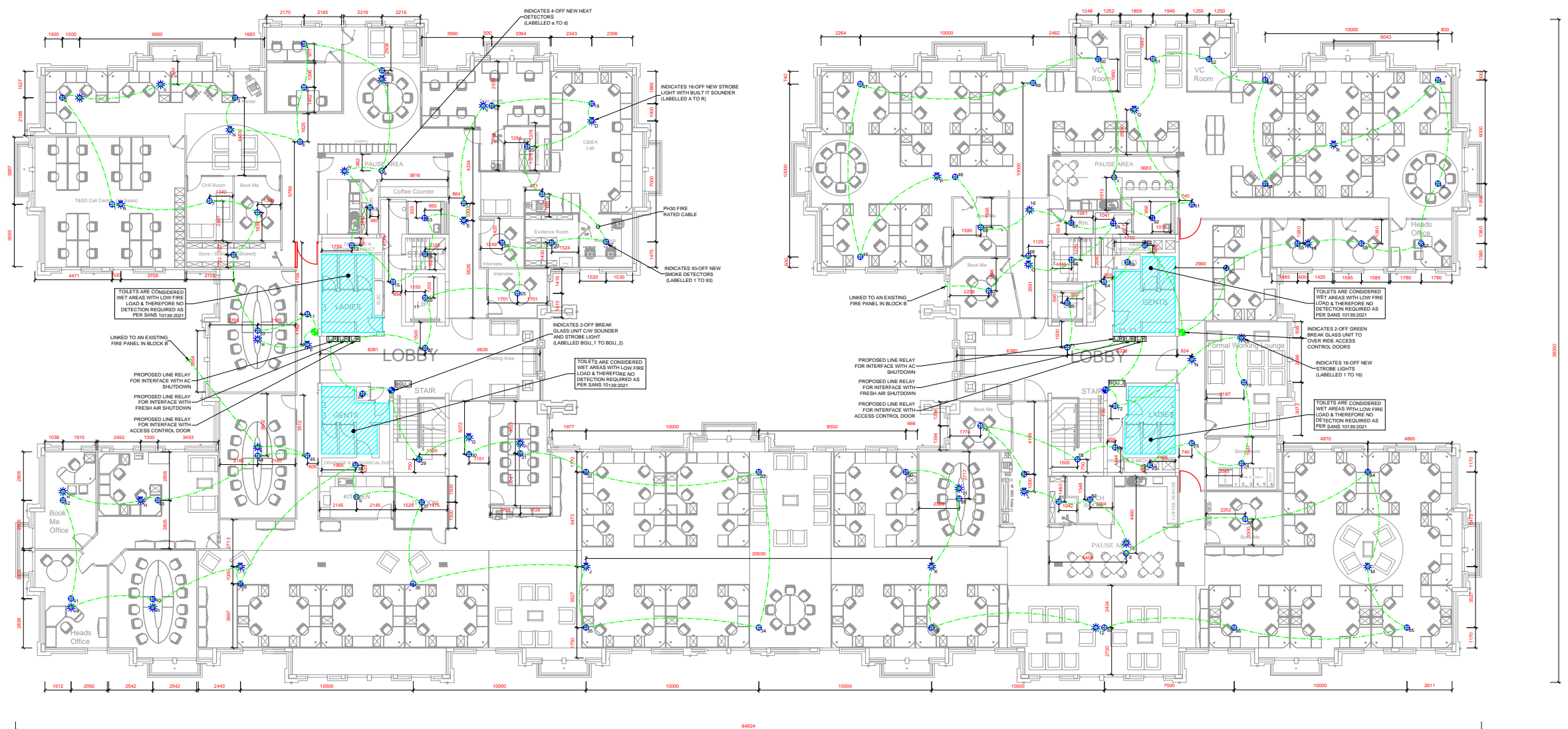
SCOPE OF WORK	
1.	SUPPLY AND INSTALL NEW DETECTION AND EVACUATION EQUIPMENT AS INDICATED. -83-OFF NEW SMOKE DETECTORS -4-OFF NEW HEAT DETECTORS -2-OFF BREAK GLASS UNITS C/W SOUNDER AND STROBE LIGHTS -2-OFF GREEN BREAK GLASS UNIT -18-OFF STROBE LIGHTS WITH BUILT IN SOUNDER -16-OFF NEW STROBE LIGHTS -6-OFF 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.
	BS	BRAKE GLASS UNIT WITH SOUNDER AND STROBE	2
	SS	STROBE LIGHT WITH BUILT-IN SOUNDER	18
	STR	STROBE LIGHT	16
	SD	SMOKE DETECTOR	93
	HD	HEAT DETECTOR	4
	BGU	GREEN BREAK GLASS UNIT	2
	LR	LINE RELAYS	6
		P30 FIRE RATED CABLE	1220m
		025mm CONDUIT LINK	610m

ISSUE DATE: 2022-06-29		REVISION: B	
X	FOR INFORMATION		
	FOR APPROVAL		
	FOR TENDER		
	FOR CONSTRUCTION		
	AS-BUILT		

REVISIONS				
No	Date	Description	Rev By	Chk By
A	10/06/2021	ISSUED FOR INFORMATION	M.M	H.R
B	2022/06/29	DRAWING UPDATED TO SUIT - NEW ARCHITECTURE	L.S	H.R

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		PROJECT:		
Dwg Number:		LAHAIE LA SARS - BLOCK EF BROOKLYN		
TITLE:		FIRST STOREY - PROPOSED DETECTION LAYOUT		
Dwg Number:		21B09-D-607-01	REV. <table border="1"> <tr> <td>B</td> </tr> </table>	B
B				
DESIGNED BY:		L.N. SIBUYA	SCALE: 1:100 @ A4	
CHECKED BY:		H.D.ROCK	ECSA NUMBER: 2017019551	
APPROVED BY:		H.D.ROCK	ECSA NUMBER: 2017019551	
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FIRST STOREY - PROPOSED DETECTION LAYOUT (Scale 1:100)