

THE FOLLOWING SYSTEM DESIGN SPECIFICATION IS FOR THE INSTALLATION OF A FIRE DETECTION AND FIRE ALARM SYSTEM AT THE ABOVE PREMISES. THE FIRE DETECTION AND FIRE ALARM SYSTEM WILL BE DESIGNED, INSTALLED AND COMMISSIONED IN ACCORDANCE WITH BS5839-1: 2017. (A FULL BAFF CERTIFICATE SHALL BE ISSUED WHEN APPROPRIATE).

DESIGN STATEMENT

THE QUOTATION/ SPECIFICATION FOR THE EQUIPMENT AND INSTALLATION ARE PER THE INFORMATION PROVIDED BY THE CLIENT AT THE TIME OF THE SURVEY TO CATCHPOINT UK LTD. THE SYSTEM WILL BE CONTROLLED BY AN ADDRESSABLE CONTROL PANEL, MANUAL CALL POINTS, AUTOMATIC DETECTION, INTERNAL SOUNDERS AND VISUAL ALARM DEVICES.

IT SHALL BE THE CLIENTS RESPONSIBILITY TO VERIFY THAT THE FIRE ALARM PROPOSED WITHIN THIS SPECIFICATION MEETS WITH THE REQUIREMENTS OF ANY INTERESTED PARTY, I.E. INSURERS, BUILDING CONTROL OFFICERS, FIRE AND RESCUE SERVICES ETC.

THE SYSTEM IS DESIGNED FOR A CATEGORY L1 TYPE FIRE DETECTION AND FIRE ALARM SYSTEM

FIRE CABLE
ALL CABLING FOR THE FIRE ALARM SYSTEM WILL BE 2 CORE 1.5MM STANDARD RATED FIRE CABLE.

VARIATIONS FROM DESIGN

PLEASE REFER TO THE VARIATIONS SHEET. STANDARD BATTERY PERIOD THE SYSTEM SHALL BE PROVIDED WITH BATTERIES TO POWER THE SYSTEM FOR A MINIMUM OF 24 HOURS IN STANDBY AND ADDITIONAL 30 MINUTES IN ALARM.

DESIGN DRAWING

THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE ATTACHED DRAWING NUMBER: TBC REVISION: 0 DATED: 20/10/2023

CONTROL EQUIPMENT

A 230 VOLT MAIN SUPPLY FOR THE FIRE ALARM IS TO BE SUPPLIED BY OTHERS, IN SOFT SKIN STANDARD FIRE CABLE.

LIST OF EQUIPMENT

- 1 X FIRE PANEL
- 2 X BATTERIES
- 11 X INTERFACES
- 109 X SMOKE DETECTORS (33 X W/SOUNDER BASE, 3 X W/SOUNDER BEACON BASE AND 38 X IN VOID)
- 2 X HEAT DETECTORS (1 X W/SOUNDER BASE)
- 20 X MANUAL CALL POINTS
- 11 X SOUNDER BEACONS (1 X CONVENTIONAL)

FIRE DETAIL KEY	
F.P	ADDRESSABLE FIRE PANEL
F.P.R	FIRE PANEL REPEATER
E	DIRECTIONAL FIRE EXIT
△	ILLUMINATED FIRE ESCAPE SIGN
⊙	EMERGENCY LIGHTING
⊕	MANUAL CALL POINT WITH SCI
⊕	EXTERNAL MANUAL CALL POINT SCI
⊕	SOUNDER / VID
⊕	EXTERNAL SOUNDER / VID
⊕	CONVENTIONAL SOUNDER BEACON
⊕	DETECTOR HEAT
⊕	DETECTOR HEAT & SOUNDER BASE WITH SCI
⊕	DETECTOR SMOKE
⊕	DETECTOR SMOKE IN VOID WITH
⊕	DETECTOR SMOKE IN ROOF
⊕	DETECTOR SMOKE & SOUNDER BASE WITH SCI
⊕	DETECTOR SMOKE & SOUNDER VID BEACON BASE WITH SCI
⊕	SOUNDER / HEAT
⊕	SPRINKLER HEAD
△	FOAM FIRE EXTINGUISHER
△	WATER FIRE EXTINGUISHER
△	POWDER FIRE EXTINGUISHER
△	CO2 FIRE EXTINGUISHER
⊕	BEAM TO BEAM DETECTOR
⊕	FIRE BLANKET
⊕	BEAM IN VOID
⊕	INDICATOR
IU	INTERFACE UNIT
IAD	INTERFACE AUTOMATIC DOORS
IS	INTERFACE SPRINKLER SYSTEM
▶	EXISTING BEAM
FOAM EXTINGUISHERS RATED AT 21A/14B	

- SALES DEMISE █
- AREA OF ALCOHOL █
- POINT OF SALES █

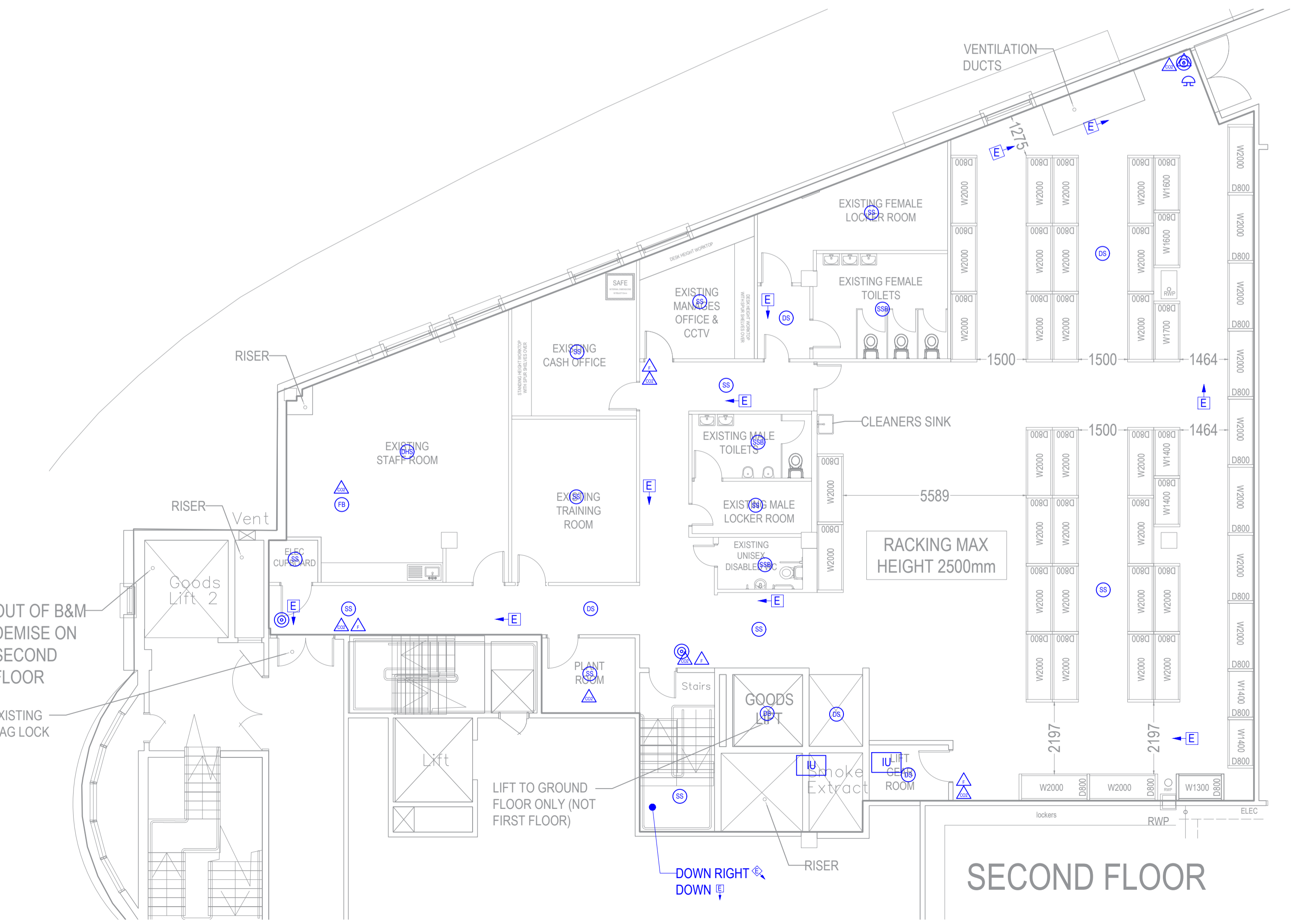
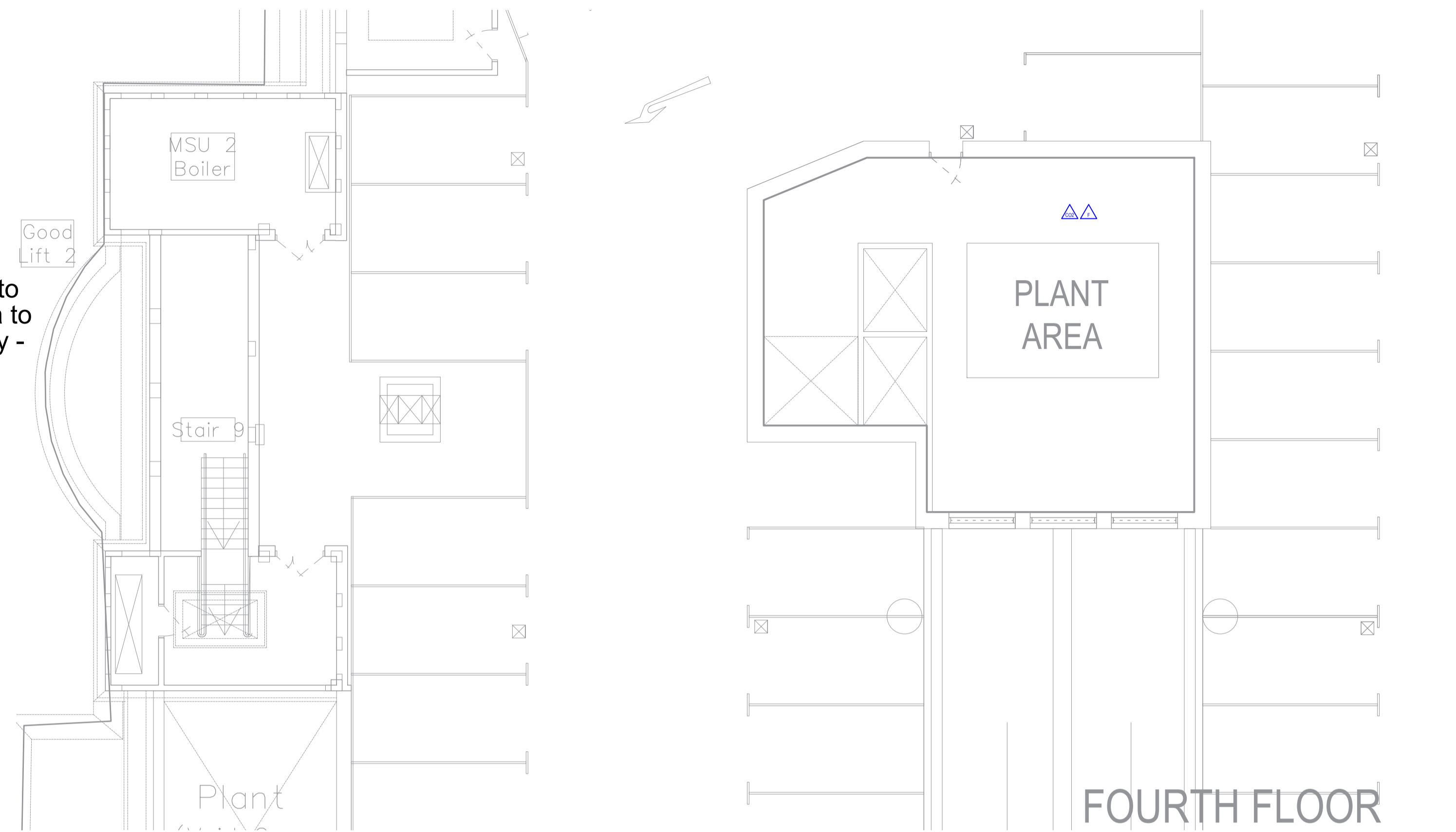
Licence for sale of alcohol to cover whole of trading area to allow for flexibility of display - Alcohol display will be less than 10% of trading area.

No.	Interface list:	Input / Output
1	Main Entrance Auto Doors GF	Output
2	Escalator 1	Output
3	Escalator 2	Output
4	Fire Curtain	Output
5	Shopping Centre System	Output
6	Ground Floor Fire Shutter	Output
7	Passenger Lift 1	Output
8	Passenger Lift 2	Output
9	Goods Lift	Output
10	Sprinklers	Input
11	Smoke Extract System	Output

PLEASE NOTE:
All auto doors Interfaces must be no more than 1M away from the door

FIRE EXIT PROVISIONS - RETAIL UNIT		
EXIT WIDTHS / PERSONS		5.0 mm
MAX. SINGLE DIRECTIONAL TRAVEL DISTANCE		18 m
MAX. TWO-DIRECTIONAL TRAVEL DISTANCE		45 m
OCCUPANCY		2 m2/PERSONS
Sales Areas		
	Ground Floor	First Floor
COMPARTMENT AREA (m2)	1,341.9	1,669.1
OCCUPANCY (PERSONS)	671	835
REQUIRED OPENING (mm)		
(TOTAL PEOPLE X 5mm PER PERSON EXIT WIDTH)	3,355	4,175
FIRE EXIT WIDTHS (mm)		
MAIN ENTRANCE/EXIT	6,001	6,125
MAIN EXIT (IF APPLICABLE)	0	0
GRP W/H DOORS (IF APPLICABLE)	0	0
GARDEN CENTRE DOORS (IF APPLICABLE)	0	0
F/E 1	1,664	1,416
F/E 2	1,400	1,716
F/E 3	1,612	1,547
F/E 4	0	1,527
F/E 5	0	0
TOTAL CLEAR OPENING FROM COMPARTMENT FLOOR AREA (mm)	10,677	12,331
EXCLUDE LARGEST OPENING (mm)	6,001	6,125
FINAL CLEAR OPENING (mm)	4,676	6,206

	SECOND FLOOR	FOURTH FLOOR		STANDARD BAY FOOTAGE	DISPLAY SPACE BAY FOOTAGE
SALES AREA	1,341.9 sqm	1,669.1 sqm		80	100
WAREHOUSE	0.0 sqm	0.0 sqm	WALL BAYS	338	476
AMENITIES	97.5 sqm	112.1 sqm	GONDOLA BAYS	418	576
GARDEN CENTRE (INC. GREENHOUSE)	0.0 sqm	0.0 sqm	NETT TOTALS	1022	
TOTAL GROSS (ALL FLOORS)	3,779.3 sqm		PROMO END BAYS	37	44
			TOTAL BAYS (INCLUDING END BAYS)	1105	



HARROW

SITE ADDRESS:
(FORMER WILKO)
ST GEORGES SHOPPING CENTRE
ST ANNS ROAD
HARROW
HA1 1HS

TITLE:
PROPOSED FIRE LAYOUT (SECOND FLOOR & FOURTH FLOOR)

CLIENT:
B&M RETAIL LTD.

LAYOUT: BM
FLOW: AD
DRAWINGS: 2/2

DRG No:
BM-HRW-1-006

SCALE:
1:100@A1

DATE:
20.10.23

REVISION:
A

REV A 22.12.23 FIRE EXIT & LAYOUT AMENDS

REV DATE DESCRIPTION

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SHELVING PROFILES	HEIGHT	DEPTH
STANDARD WALL BAYS	H2610	D470
STANDARD PANTY BAYS	H2610	D670
STANDARD GONDOLA	H1810	D470
STANDARD LOW LEVEL	H1610	D470
EPFL PROMO ENDS	H1810	D470

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