

## COMMUNICATIONS

### ALARM AND DETECTION SYSTEM

Alarm and detection system to be type L1 designed to comply with the guidance in BS5839-1:2002: part 1 2002 including provision of detection in roof spaces. Sufficient, audible alarms to be positioned to provide 45db(a) throughout the premises.

### FIRE RESISTING INTUMESCENT PAINT / CLADDING FOR STEELWORK

Include for all beams and posts (excepting roof beams) to be painted in two coats of intumescent paint or alternative fire resistant cladding applied in accordance with manufacturer's instructions to achieve one hour fire resistance.

### FIRE DOORS

Fire doors are to be durably marked with a BS colour code indicating the level of fire resistance and new softwood linings are to be provided with rebated intumescent strips. All fire rated doorsets to BS 8214 and BS 476.

### DOWNLIGHTERS AND RECESSED LIGHTING

Downlighters or recessed lighting may be installed in the ceiling:

- in accordance with the manufacturer's instructions
- at no more than one light per 2m<sup>2</sup> of ceiling area in each room unless the use of a greater density of light fittings is supported by testing undertaken in accordance with Appendix F
- at centres not less than 0.75m
- into openings not exceeding 100mm diameter or 100x100mm

Particular attention should also be paid to Building Regulations Part B - Fire Safety

**Note: Only downlighters which have been satisfactorily assessed in accordance with the procedure described in Appendix F**

"Determination of the acoustic performance of downlighters and recessed lighting in timber separating floors" are acceptable.

### FIRE PROCEDURE MANAGEMENT

Property management agent / owner to carry out monthly fire safety equipment check and talk with residents. log book to be kept by owner and at the property

### GENERAL ADVICE

- Do not store items in your means of escape
- Ensure newspapers and mail are regularly cleared from the hallway
- Ensure bins are emptied regularly to prevent waste build up which could be an arson risk
- Ensure your fire alarm and emergency lighting systems are working
- Ensure fire doors are kept closed (these will help contain a fire and allow people time to escape)

From the 1st October 2015 *The Smoke and Carbon Monoxide Alarm (England) Regulations 2015* require smoke alarms to be installed in rented residential accommodation and carbon monoxide alarms in rooms with a solid fuel appliance. The landlord must ensure that a smoke alarm is equipped on each storey of the premises on which there is a room used wholly or partly as living accommodation.

All electrical installations (e.g. sockets and light fittings) must be safe when tenants move in and maintained in a safe condition throughout the duration of the tenancy.

A periodic inspection and test must be carried out by a registered electrician every five years (only legally required if the property is a House in Multiple Occupation (HMO)).

### MEANS OF ESCAPE

#### STAIRWAYS

Stairs are positioned to provide alternative means of escape to the ground floor. There is a stairway within the designated escape distance. All stairways are within protected shafts, with direct access to the outside, leading to a place of safety away from the building.

#### EMERGENCY LIGHTING

Emergency lighting to be provided in each compartment and all routes to final escape door. To be installed in accordance with BS5266 part 1: 1988.

#### CONTAINMENT

#### ELEMENTS OF STRUCTURE

The minimum fire resistance for all elements of structure is 60 minutes.

All partition to be lined with two layers of 15mm Kingspan Soundbloc Plasterboard with 60 mins fire rate cavity closer

#### FLOOR COMPARTMENTATION & FIRE COLLAR

Each floor is a compartment floor. Each floor is divided into compartments. All ceiling to be lined with two layers of 15mm Kingspan Soundbloc Plasterboard with 60 mins fire rate fire collar to all service floor penetration

#### SUB-DIVISION OF CAVITIES

Compartment walls are continued to the underside of the floor above and in the case of the top floor, to the underside of the roof as per Approved document Part B3.

#### EXTINGUISHMENTS

##### MANUAL FIRE-FIGHTING EQUIPMENT

There are to be minimum of 2 number, 9 litre water extinguishers for every 400m<sup>2</sup> or part thereof, on each floor. All fire fighting equipment to comply with BS : 5423 and 5306 Part 3.

All extinguishers to be mounted on brackets. Top of appliance to be 1000mm above floor level

#### FIRE SIGNAGE

These signs are required under the Health and Safety (Safety Signs and Signals) Regulations 1996, 6 and must comply with the provisions of those Regulations. All signs and notices should be positioned at each floor of communal hallway. Luminate fire exist sign at front door and stairwell

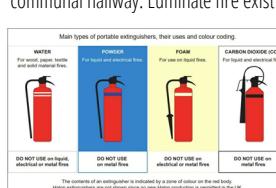
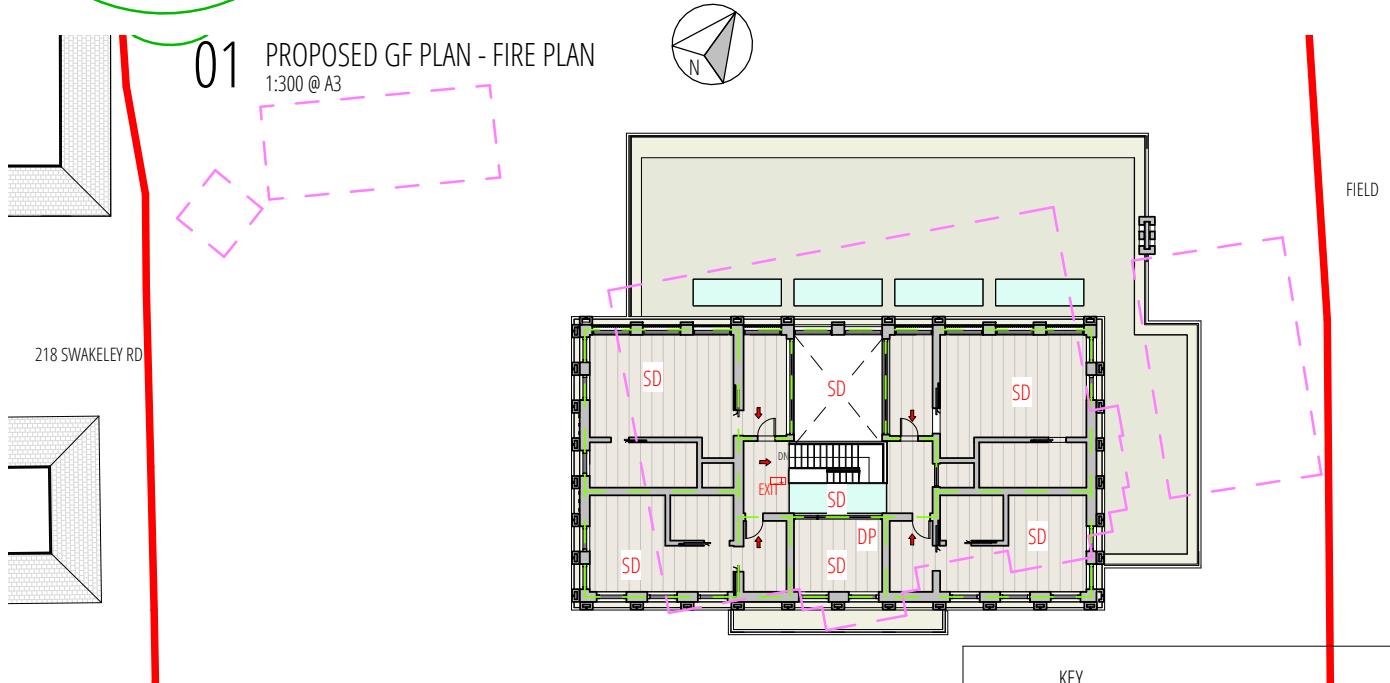
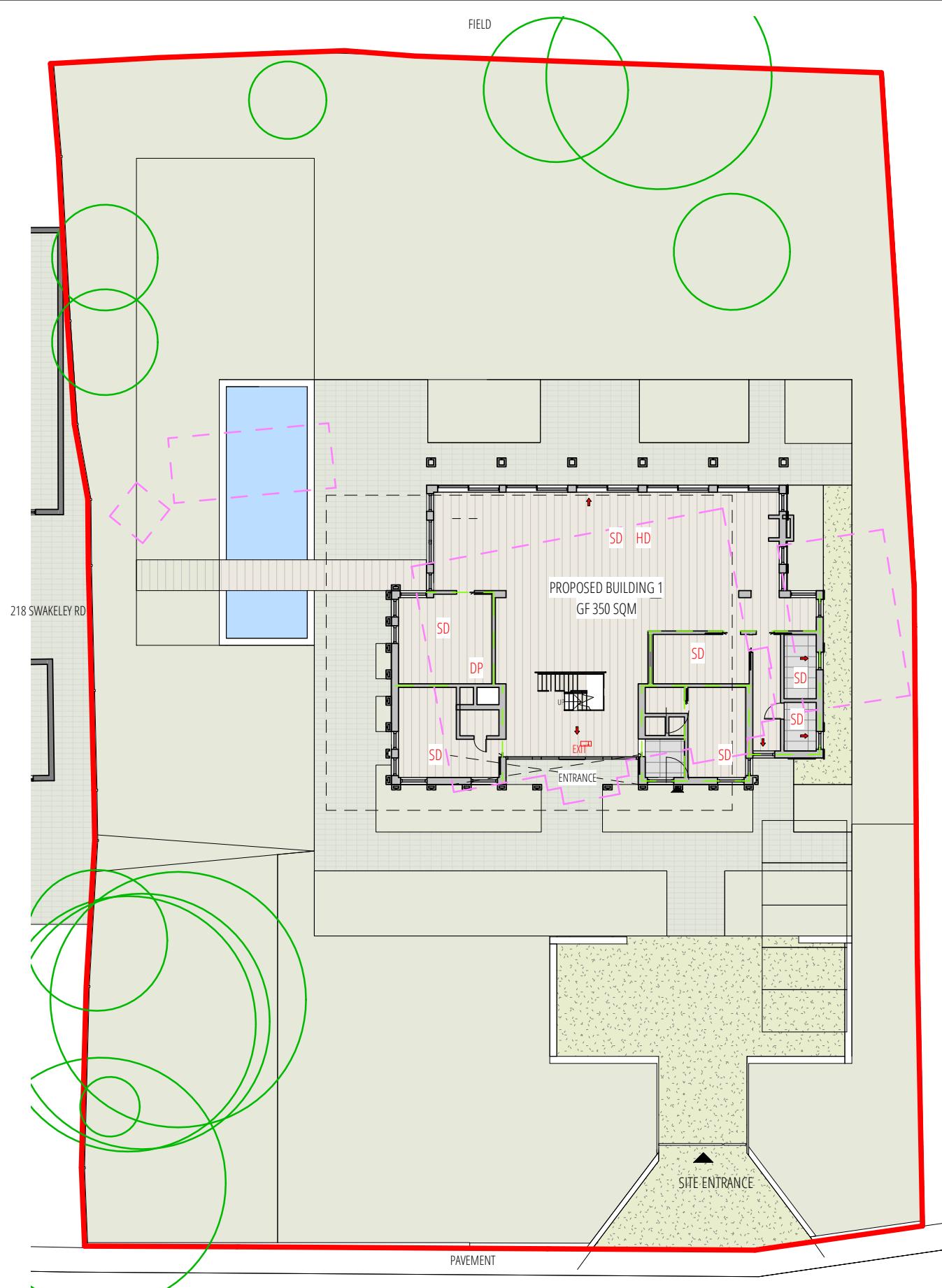


Figure 8: Types of fire extinguishers



KEY	
SD	SMOKE DETECTOR (MAINS CONNECT TO FIRE PANEL)
HD	HEAT DETECTOR (MAINS CONNECT TO FIRE PANEL)
EL	EMERGENCY LIGHTING / MAINS CONNECTED
CU	CONSUMER UNIT / METER
DP	DRY POWDER EXTINGUISHER
FD 30S	1HR FIRE RATED STRUCTURE
EXIT	30 MIN FIRE RATED DOOR WITH SMOKE SEAL
	PRIMARY FIRE EXIT
	MAINS CONNECTED LUMINATE FIRE EXIT SIGN



03 PROPOSED SECTION - FIRE PDPLAN 1:300 @ A3

DRAWN BY ARCHITECT	ACCEPT / A REJECT / R	Rev	Date	Note
CHECK BY CLIENT SIGN / DATE	P1	16-10-23		PLANNING ISSUE
CHECK BY CONTRACTOR SIGN / DATE				
CHECK BY APPROVED INSPECTOR SIGN / DATE				
ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR AND FABRICATOR OBTAINED BUILDING CONTROL + PLANNING APPROVAL PRIOR SITE WORK COMMENCE				
PROJECT 212 Swakeleys Road, Ickenham UB10 8AY				
DRAWING TITLE FIRE PLAN				
PLANNING APP 01				
J79 STUDIO				
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SCALE 1:200 @ A3	DATE AUG 2023	PROJECT NO. 1942		
REVISION P1	DRAWING NO. A800			