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Project:

29 Heathfield Rise,
HA4 7NF

FIRE SAFETY STRATEGY

POLICY D12 PLANNING IMPLEMENTATION

This document has been prepared by Extension Architecture on behalf of the client for **29 Heathfield Rise, HA4 7NF** in support of the of Permitted development

Description of Works:

Single-storey rear extension projecting 3.0m from the original rear wall, providing kitchen and dining space.

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Summary of Functional Requirements for Part B of Building Regulations for 29 Heathfield Rise, HA4 7NF

The table below is a list of fire safety objectives and performance requirements for the development of **29 Heathfield Rise, HA4 7NF** as evidence for the provision of fire safety measures for occupants of the property.

Fire Safety Compliance	
Means of Escape	Shortest possible travel distance into the fire compartment hall leading to fire exit.
Compartmentation	Stairwell (fire escape) separated and compartmentalised from adjoining rooms by 30min plasterboard walls.
Structural Fire Resistance	All steels to be encased in fire rated plasterboards 15mm gypsum board GyrocFireLine 60min resistance.
Active Heat and Smoke Detection Alarms	Heat detectors in kitchens, smoke alarms in halls and loft. No sprinklers needed.
Emergency Lighting and Signage	N/A
Access and Facilities for Fire Fighting	Fire truck access on street in front of building with fire hydrant locations annotated.
Smoke Management Systems	FD30 doors with fire brushes. Passive ventilation via windows.
Passive Fire Prevention Systems	FD30 doors with fire brushes. Passive ventilation via windows.
Automatic Suppression Systems	N/A - No sprinklers required.

Schedule of Materials

The table below is used to identify the main construction elements for the proposal and outlines the passive and active fire safety building control measures that will be followed in order to reduce the risk of fire.

Element	Component
Internal Walls – Type A	Single layer 12mm plasterboard with 100mm timber stud
Internal Walls – Type B	Double plaster boards with 100mm timber stud
External Walls – Type A	Non-combustible Brick inner and outer leaf
External Walls – Type B (Dormer)	Timber construction finished with plasterboards internally and slate externally
Roof – Type A (Dormer)	Timber roof with GRP finish
Roof – Type B	Timber roof with clay tiles
Floors – Type A	Fire treated Timber in floor with tile finish on the floor and single layer plaster boards on ceilings
Floor B – Type B	Fire treated Timber in floor with laminate finish on the floor and single layer plaster boards on ceilings
Doors	Solid timber doors with FD30 rating.
Stairs	Hardwood stairs.
Steels	All steels to be encased in fire rated plasterboards 15mm gypsum board GyrocFireLine 60min resistance.
Heat Detector/Alarm	Eil44RC Heat Alarm 140RC Series Type Thermistor 58 degrees located in the stairwell on each floor.
Smoke Detector/Alarm	I3 Photoelectric Smoke Detector System Sensor Type (Model 2W-B, 4W-B) with thermal sensor rated 57.2 degrees C.