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08th July 2024

Project:
22 Percy Road, Hampton
TW12 2HW

FIRE SAFETY STRATEGY

POLICY D12 PLANNING IMPLEMENTATION

This document has been prepared by Extension Architecture on behalf of the client for 22 Percy Road
in support of the Householder Application.

Description of Works:

The proposal of works includes single storey rear and side extension

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Summary of Functional Requirements for Part B of Building Regulations for 22 Percy Road – London Borough of Richmond upon Thames

The table below is a list of fire safety objectives and performance requirements for the development of 22 Percy Road 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

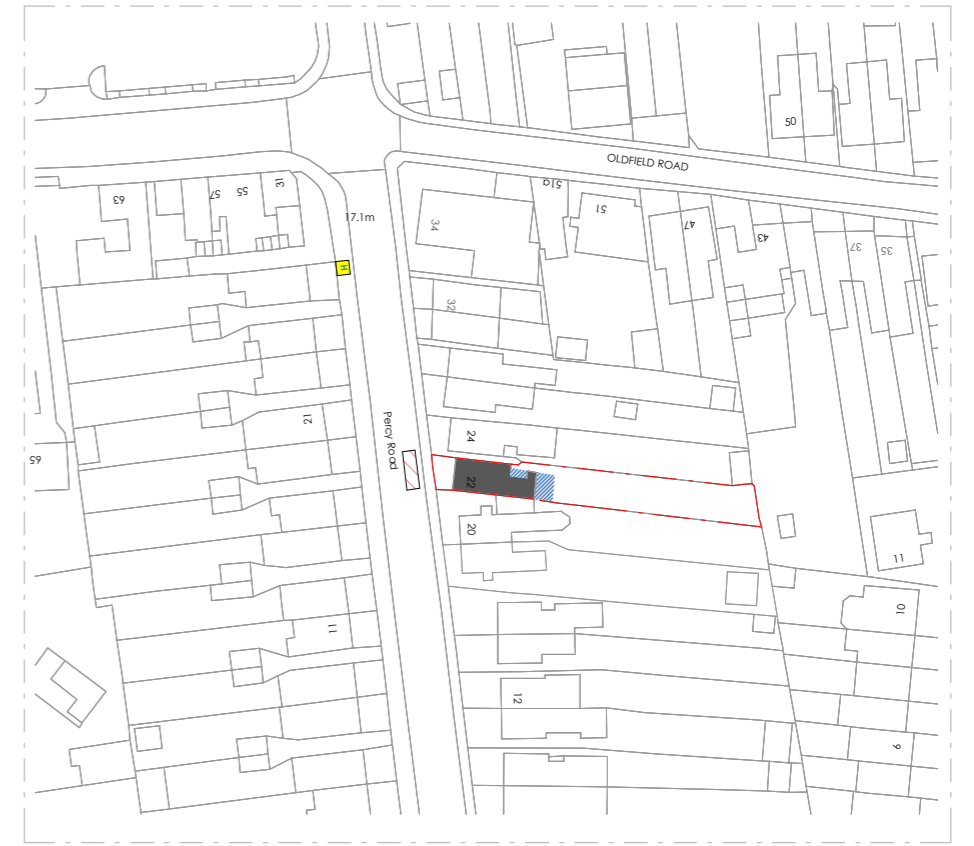
The table below is used to identify the main construction elements for the proposal and outlines the passive and active fire safety building control measures that will be followed in order to reduce the risk of fire.

| 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 |
| 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 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. |



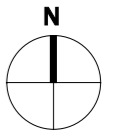
SITE PLAN

SCALE 1:500



Block Plan

SCALE: 1:1250



LEGEND:

- HYDRANT
- FIRE TRUCK STREET PARKING
- EXISTING
- PROPOSED
- BOUNDARY

Scale 1:500
@A3



Scale 1:1250
@A3



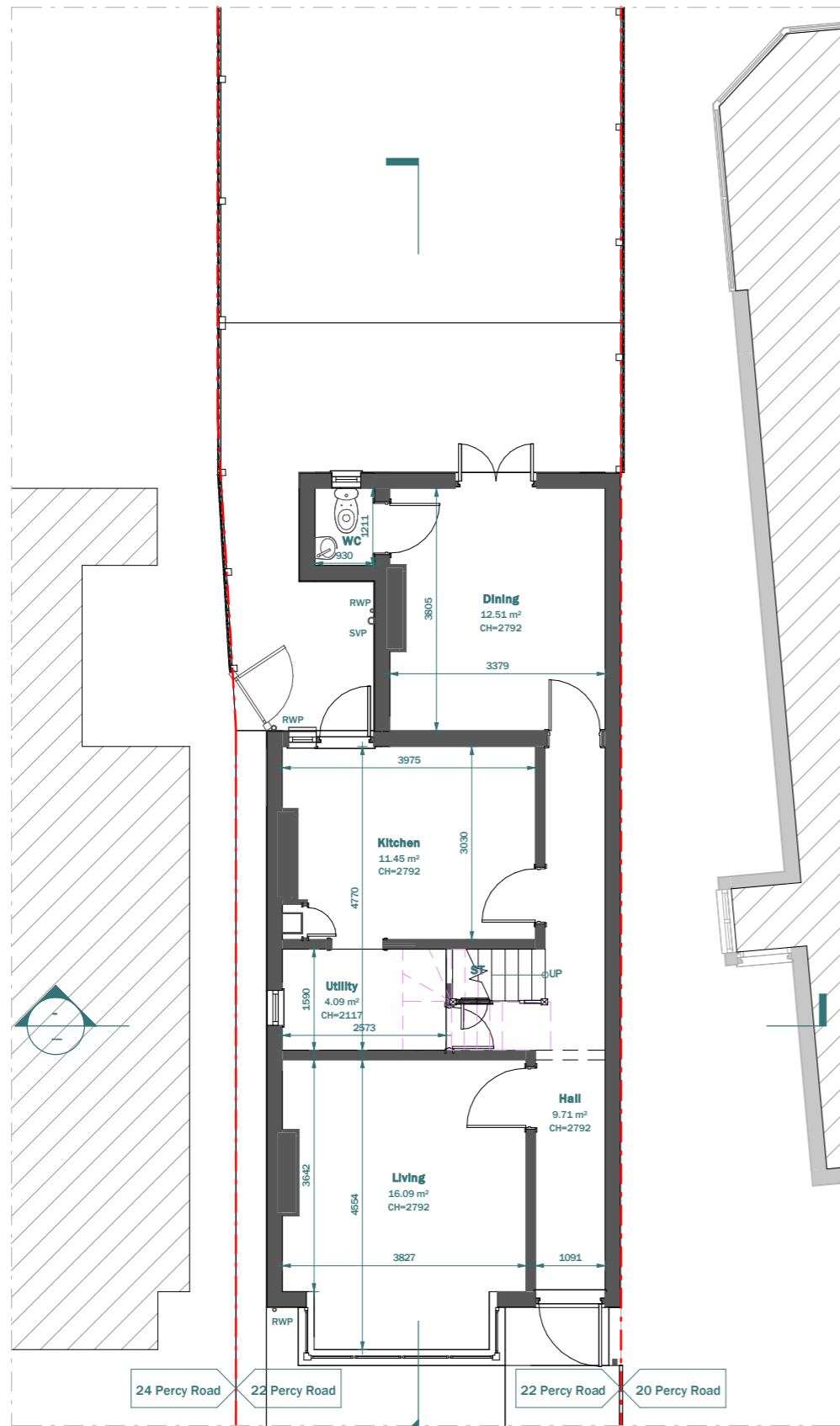
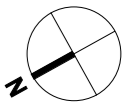
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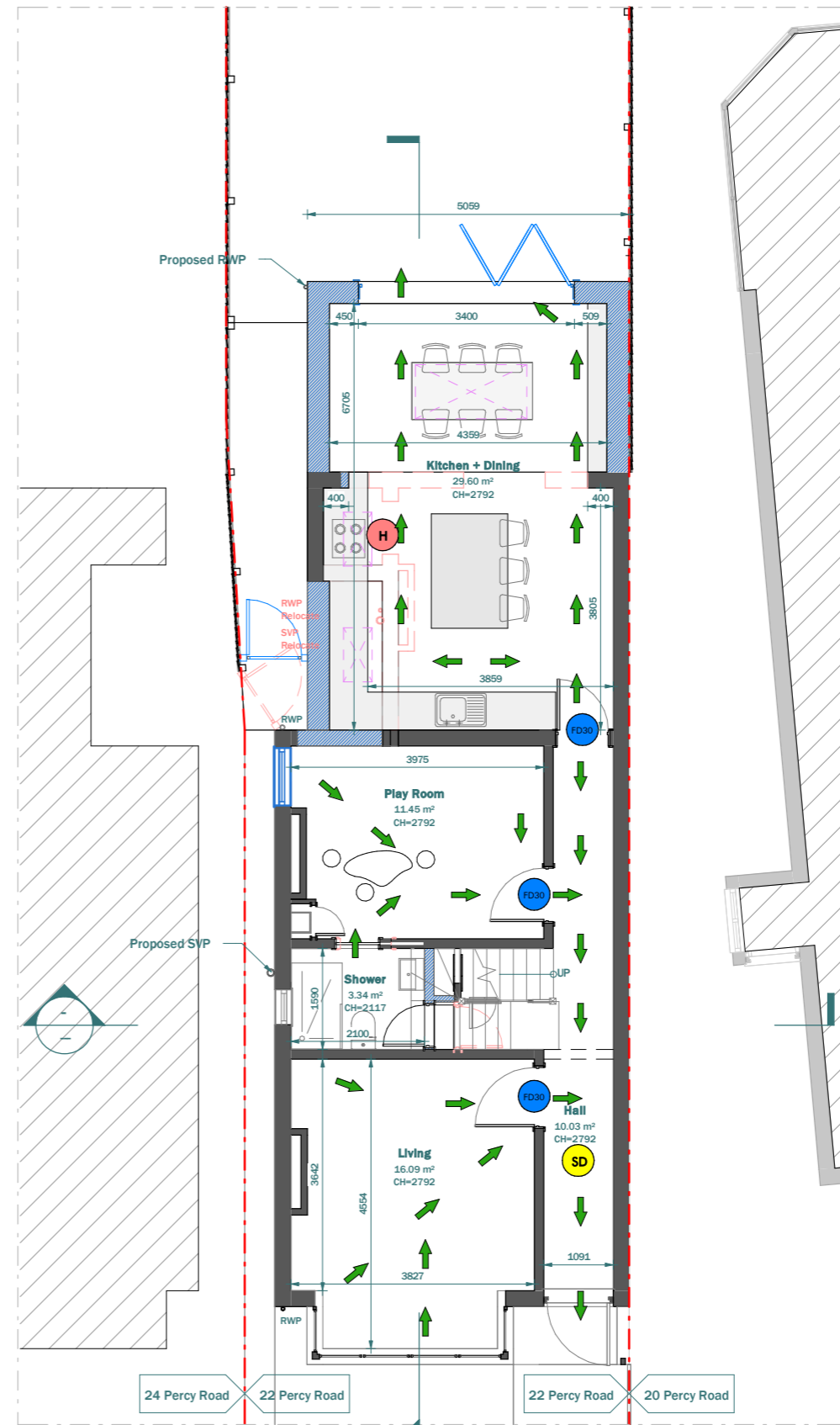
For any structural steelworks details please refer to structural engineer's drawings & calculations.

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| | | | | | |
|--|---------|-------------|------|--------------------------------------|---------------------------|
| CLIENT Joe Hanrahan | NOTES | | | SCALE As indicated | DATE 08/07/2024 |
| PROJECT 22 Percy Road, Hampton, TW12 2HW | VERSION | DESCRIPTION | DATE | DRAWN YL/OG/GM | VERSION |
| TITLE Proposed Site & Block Plan | | | | SHEET REF. NO 22PR -PL -01 | |



EXISTING GROUND FLOOR



PROPOSED GROUND FLOOR

LEGEND:

- EXISTING WALL
- PROPOSED WALL
- DEMOLISHED LINE
- INVISIBLE LINE
- FD30 DOORS
- SMOKE DETECTORS
- HEAT DETECTORS
- FIRE ESCAPE

Scale 1:100
@A3



| | | | | | | |
|---------|---|--|--|-------------|---------------|------------|
| CLIENT | Joe Hanrahan | | | NOTES | SCALE | DATE |
| PROJECT | 22 Percy Road, Hampton, TW12 2HW | | | VERSION | 1 : 100 | 08/07/2024 |
| TITLE | Existing & Proposed Ground Floor | | | DESCRIPTION | DRAWN | VERSION |
| | | | | | YL/OG/GM | |
| | | | | | SHEET REF. NO | |
| | | | | | 22PR -PL -02 | |