

Extension Architecture  
1st Floor, Cobden House,  
231 Roehampton Ln,  
London,  
SW15 4LB

+44 (0) 20 3409 4215  
info@extensionarchitecture.co.uk  
stephanie@extensionarchitecture.co.uk

**21st Nov 2024**

**Project:**  
6 Windsor Road, Teddington,  
TW11 0SF

## **FIRE SAFETY STRATEGY**

### POLICY D12 PLANNING IMPLEMENTATION

This document has been prepared by Extension Architecture on behalf of the client for 6 Windsor Road, Teddington, TW11 0SF in support of the Householder Application.

#### **Description of Works:**

The proposed development includes a Loft Conversion with a dormer on the rear side, which includes a bedroom and a bathroom. There is a staircase proposed to access the Loft Floor.

## **Table of Contents**

Fire Safety Compliance3

Schedule of Materials4

Fire Truck Access Plan & Hydrant Location5

Fire Escape Plan6

## Summary of Functional Requirements for Part B of Building Regulations for 6 Windsor Road, TW11 0SF – London Borough of Richmond upon Thames

The table below is a list of fire safety objectives and performance requirements for the development of 6 Windsor Road.

as evidence for the provision of fire safety measures for occupants of the property.

### Fire Safety Compliance

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

## **Schedule of Materials**

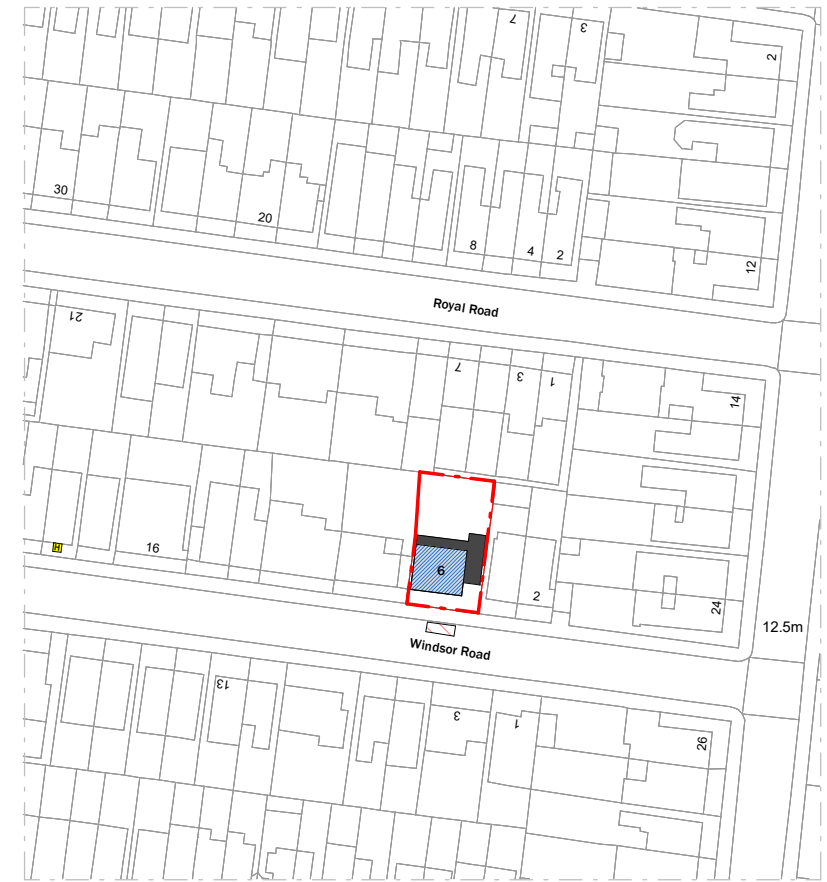
The table below is used to identify the main construction elements for the proposal and outlines the passive and active fire safety building control measures that will be followed in order to reduce the risk of fire.

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



**BLOCK PLAN**



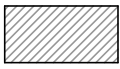


**SCALE 1:500**

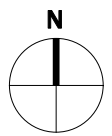


**SITE PLAN**

**SCALE 1:1250**

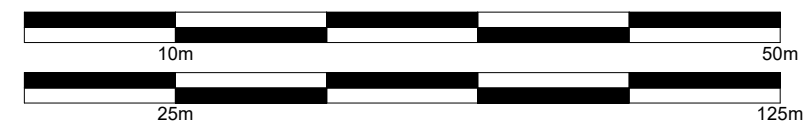
**LEGEND:**

-  HYDRA
-  FIRE TRUCK STREET
-  EXISTING
-  PROPOSED
-  BOUNDARY



Scale 1:500  
@A3

Scale 1:1250  
@A3



This drawing is prepared solely for design and planning submission purposes. It is not intended or suitable for either building regulations or construction purposes and should not be used for such. All dimension shall be check and confirmed with site rep. and any discrepancies between the drawings and site shall be reported to PM. This drawing to be read in conjunction with engineers specification and details. For construction information please refer to all drawings and specification of works.

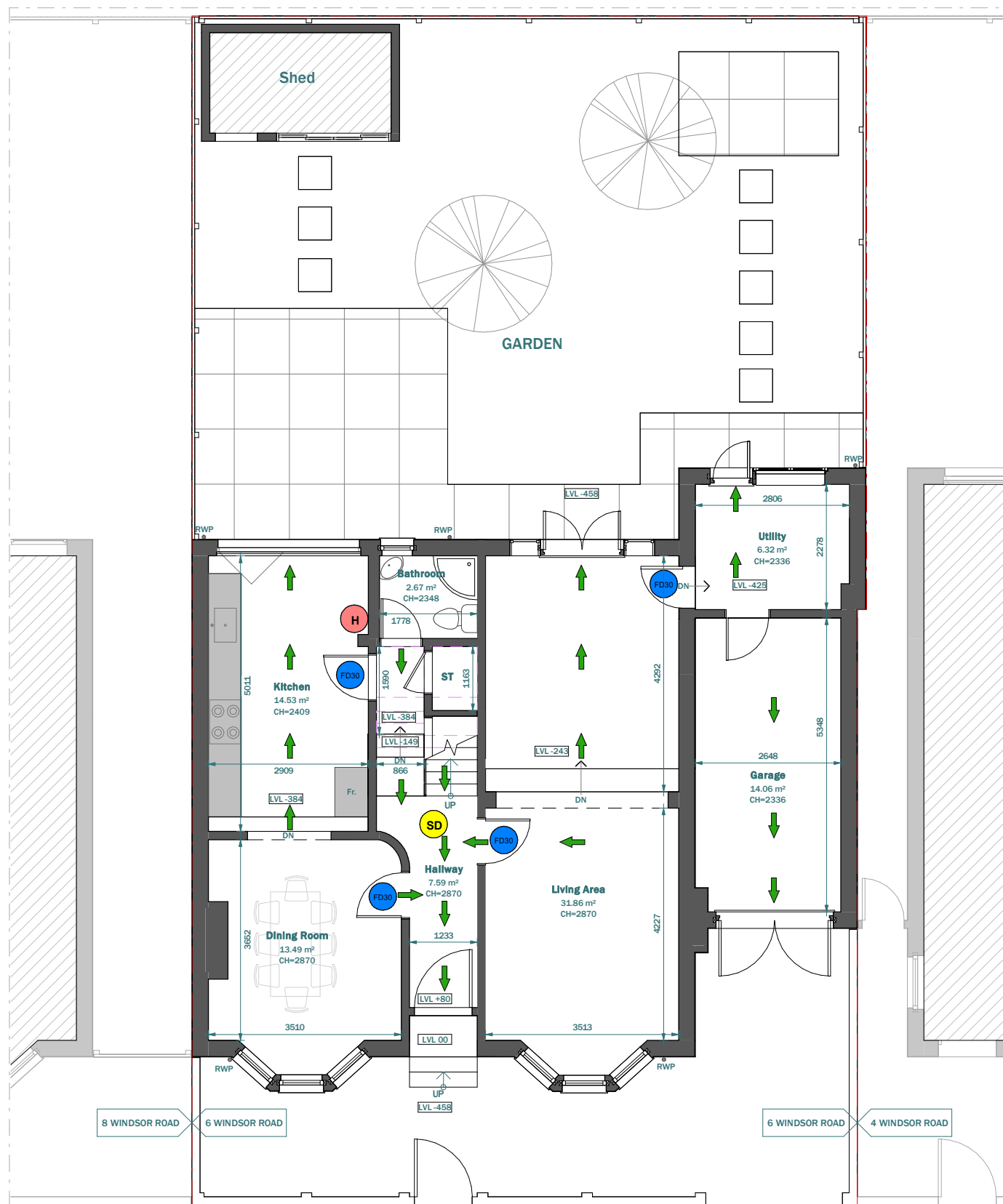
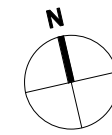
For any structural steelworks details please refer to structural engineer's drawings & calculations.

The copyright of the drawing and designs remains with Extension Architecture. All copies are only for information about the application, they may not be used for any other purpose without the express written permission of Extension Architecture.

CLIENT	<b>Tom Morell</b>
PROJECT	<b>6 Windsor Road, Teddington, TW11 0SF</b>
TITLE	<b>Site &amp; Block Plan</b>





NOTES		
VERSION	DESCRIPTION	DATE

SCALE	<b>As indicated</b>	DATE	<b>22-11-2024</b>
DRAWN	<b>LS</b>	VERSION	
SHEET REF. NO		<b>6WR -F -01</b>	



EXISTING GROUND FLOOR

**LEGEND**

-  FD30
-  Smoke Detector
-  Heat Detector
-  Fire Escape

Scale 1:100  
@A3



1st Floor, Cobden House, 231  
Roehampton Ln, London SW15 4LB,  
United Kingdom  
Tel (0208) 288 8950 Fax (0871) 918 2798  
www.extensionarchitecture.co.uk

This drawing is prepared solely for design and planning submission purposes. It is not intended or suitable for either building regulations or construction purposes and should not be used for such. All dimension shall be check and confirmed with site rep. and any discrepancies between the drawings and site shall be reported to PM. This drawing to be read in conjunction with engineers specification and details. For construction information please refer to all drawings and specification of works.

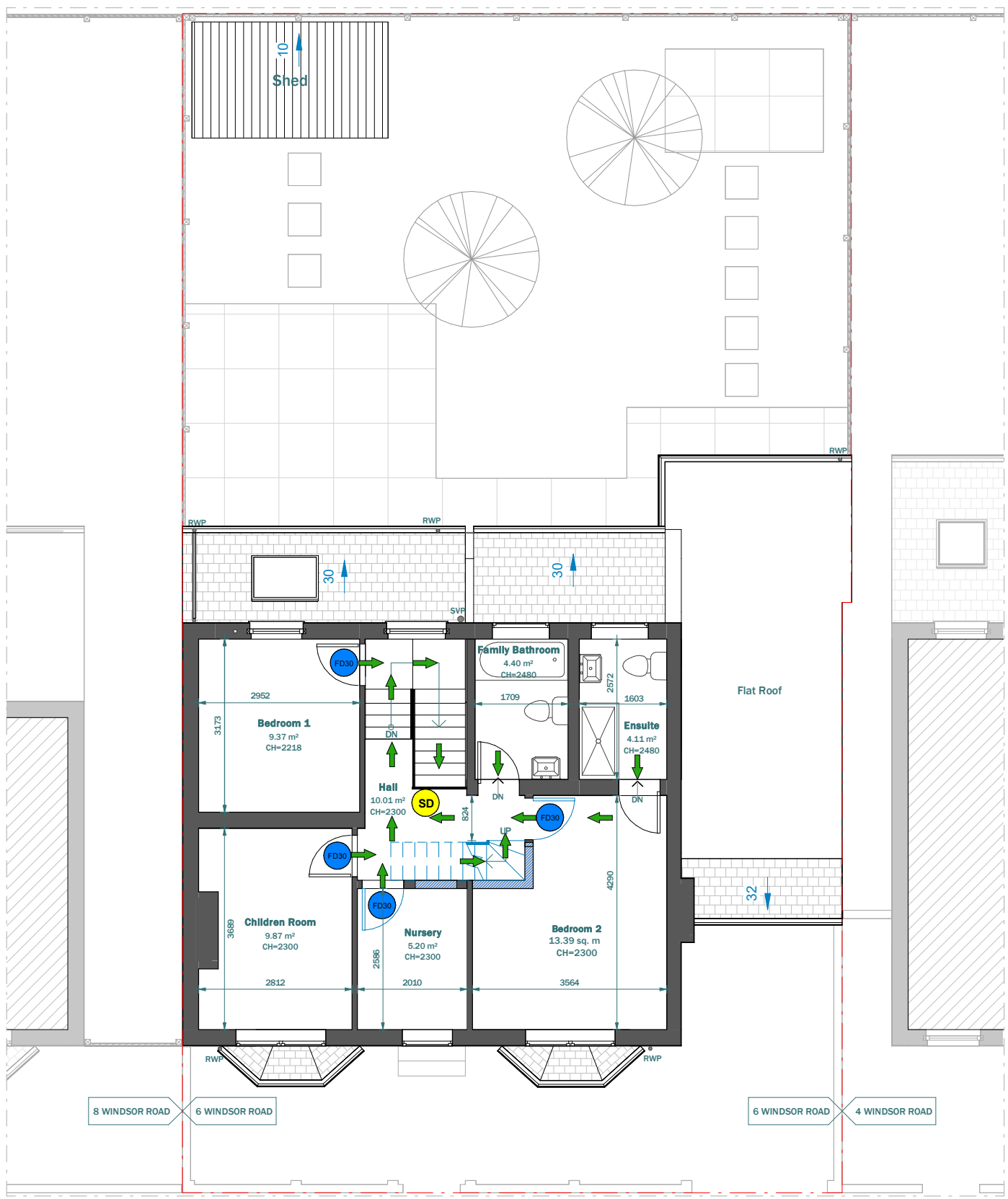
For any structural steelworks details please refer to structural engineer's drawings & calculations.

The copyright of the drawing and designs remains with Extension Architecture. All copies are only for information about the application, they may not be used for any other purpose without the express written permission of Extension Architecture.

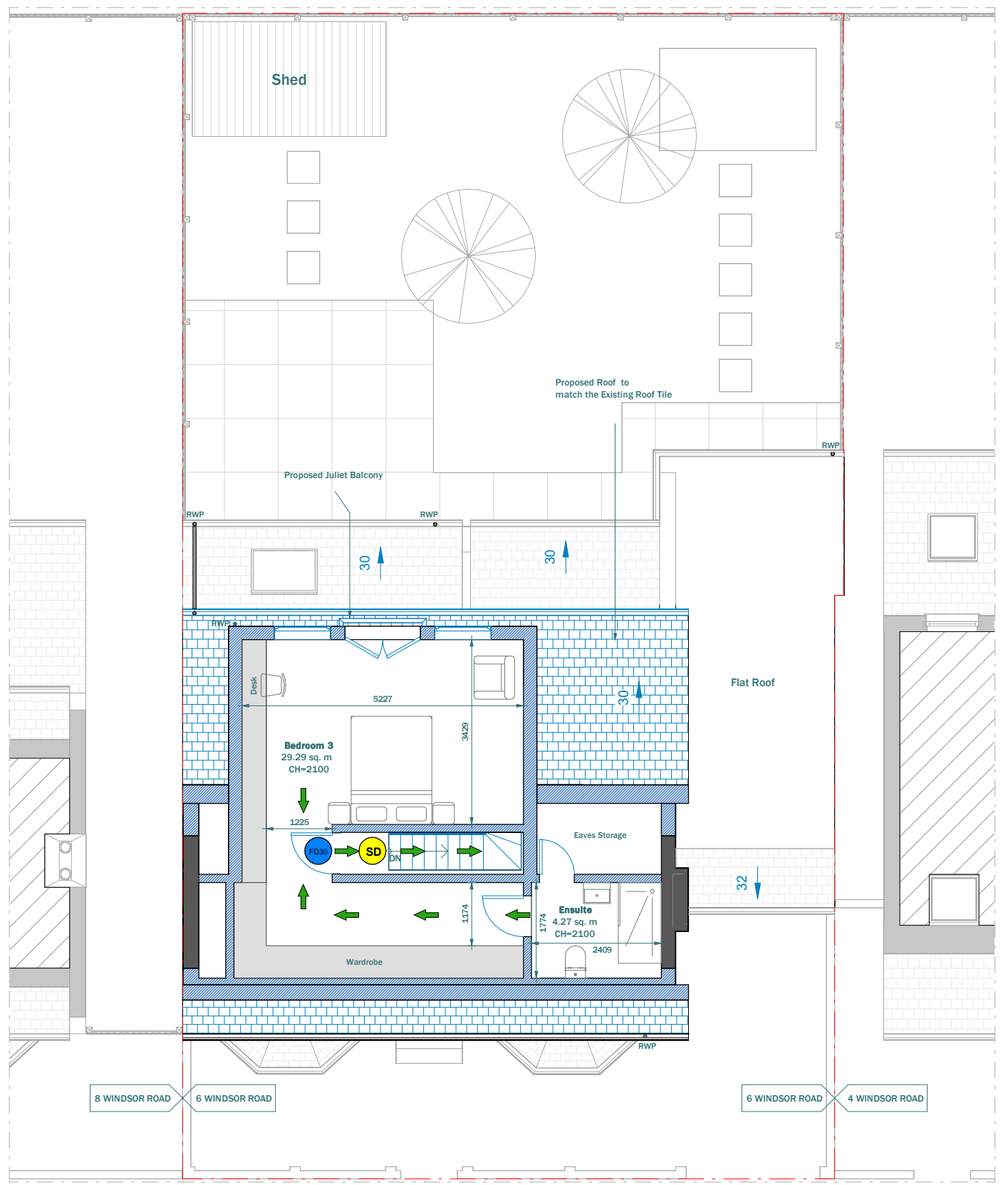
CLIENT	<b>Tom Morell</b>		
PROJECT	<b>6 Windsor Road, Teddington, TW11 0SF</b>		
TITLE	<b>Existing Ground Floor- Fire Escape Plan</b>		

NOTES		
VERSION	DESCRIPTION	DATE

SCALE	<b>1 : 100</b>	DATE	<b>22-11-2024</b>
DRAWN	<b>LS</b>	VERSION	
SHEET REF. NO	<b>6WR -F -02</b>		



PROPOSED FIRST FLOOR



PROPOSED LOFT FLOOR

LEGEND

- FD30
- Smoke Detector
- Heat Detector
- ↑ Fire Escape

Scale 1:100 @A3



This drawing is prepared solely for design and planning submission purposes. It is not intended or suitable for either building regulations or construction purposes and should not be used for such. All dimension shall be check and confirmed with site rep. and any discrepancies between the drawings and site shall be reported to PM. This drawing is to be read in conjunction with engineers specification and details. For construction information please refer to all drawings and specification of works.

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

The copyright of the drawing and designs remains with Extension Architecture. All copies are only for information about the application, they may not be used for any other purpose without the express written permission of Extension Architecture.

CLIENT <b>Tom Morell</b>	NOTES			SCALE <b>1 : 100</b>	DATE <b>22-11-2024</b>
PROJECT <b>6 Windsor Road, Teddington, TW11 0SF</b>	VERSION	DESCRIPTION	DATE	DRAWN <b>LS</b>	VERSION
TITLE <b>Proposed First &amp; Loft Floor- Fire Escape Plan</b>				SHEET REF. NO <b>6WR -F -03</b>	