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**THIS DRAWING IS SOLELY FOR THE PURPOSE OF OBTAINING BUILDING CONTROL APPROVAL**

**EXISTING INTERNAL AREAS (GIA)**

Ground Floor - 71.54m<sup>2</sup>  
 First Floor - 81.90m<sup>2</sup>  
 Garage - 14.59m<sup>2</sup>

**Total Dwelling - 168.03m<sup>2</sup>**

**PROPOSED INTERNAL AREAS (GIA)**

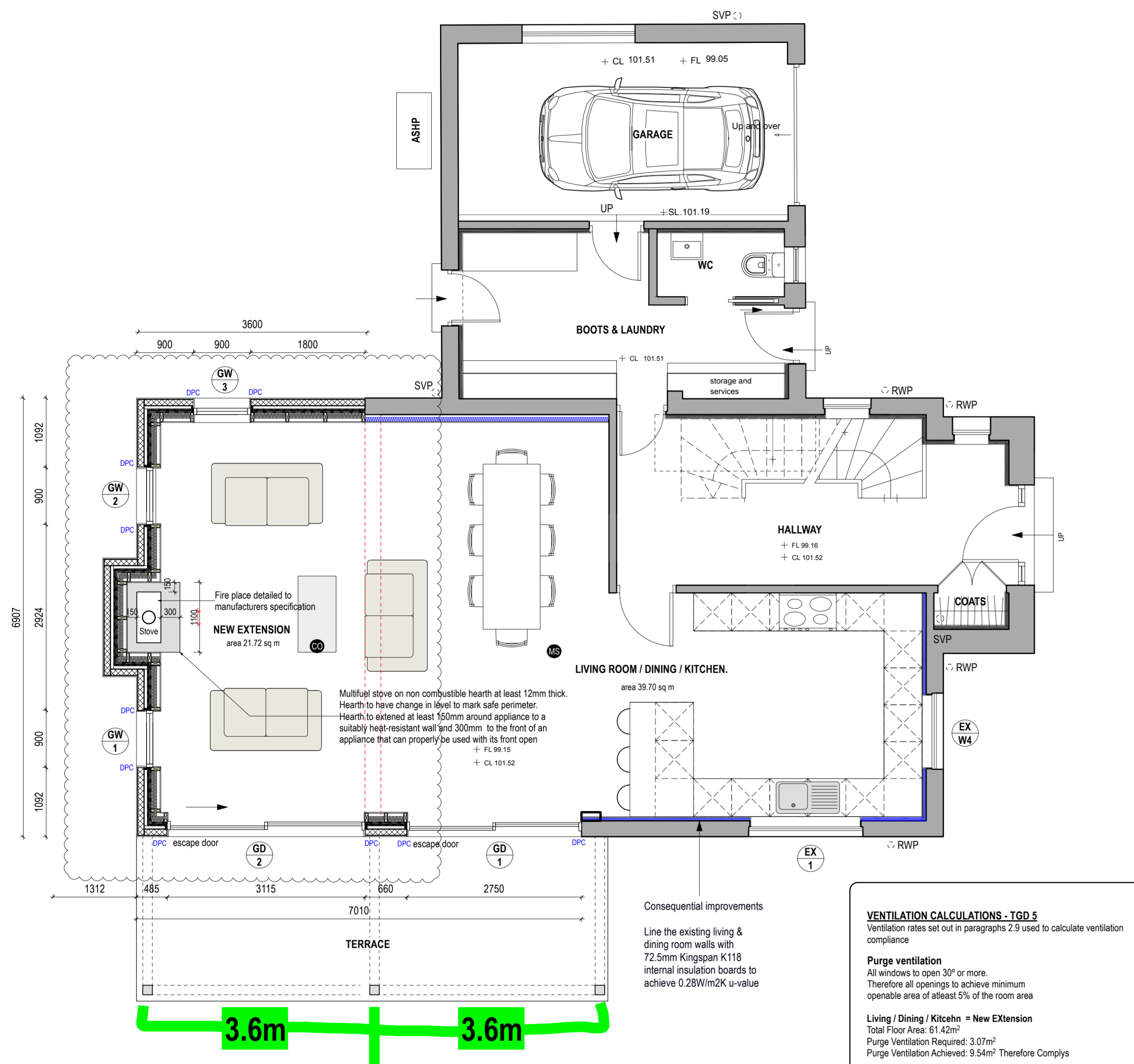
Ground Floor - 71.54m<sup>2</sup>  
 Ground Floor Extension - 21.72m<sup>2</sup>  
 First Floor - 81.90m<sup>2</sup>  
 Garage - 14.59m<sup>2</sup>

**Total Dwelling - 189.75m<sup>2</sup>**

**LEGEND:**

- MS Multi-Sensor (Heat & fire detector)
  - S Smoke Alarm with a standby power supply
- Fire alarm and detection system to be provided in accordance with BS5839: Part 6:2004 to at least a Grade D Category LD2**
- Commissioning certificate must be provided by installer**
- CO Carbon monoxide alarm to comply with BS EN 50291:2001

- Existing
- Remove / Demolish
- Drainage



**PROPOSED GROUND FLOOR PLAN**



- Roof stability to Structural Engineers design and detail
- Wall stability to Structural Engineers design and detail
- Floor construction stability subject to later design by Structural
- Foundation subject to later design by Structural

**VENTILATION CALCULATIONS - TGD 5**  
 Ventilation rates set out in paragraphs 2.9 used to calculate ventilation compliance

**Purge ventilation**  
 All windows to open 30° or more. Therefore all openings to achieve minimum operable area of atleast 5% of the room area

**Living / Dining / Kitchen = New Extension**  
 Total Floor Area: 61.42m<sup>2</sup>  
 Purge Ventilation Required: 3.07m<sup>2</sup>  
 Purge Ventilation Achieved: 9.54m<sup>2</sup> Therefore Complies

**Operable Areas:**

EXW1: 1.00m <sup>2</sup>	GW3: 1.77m <sup>2</sup>
GD1: 3.02m <sup>2</sup>	EXW4: 0.16m <sup>2</sup>
GD2: 3.59m <sup>2</sup>	

**Minimum intermittent extract ventilation rates**  
 Intermittent fans and single room heat recovery ventilators

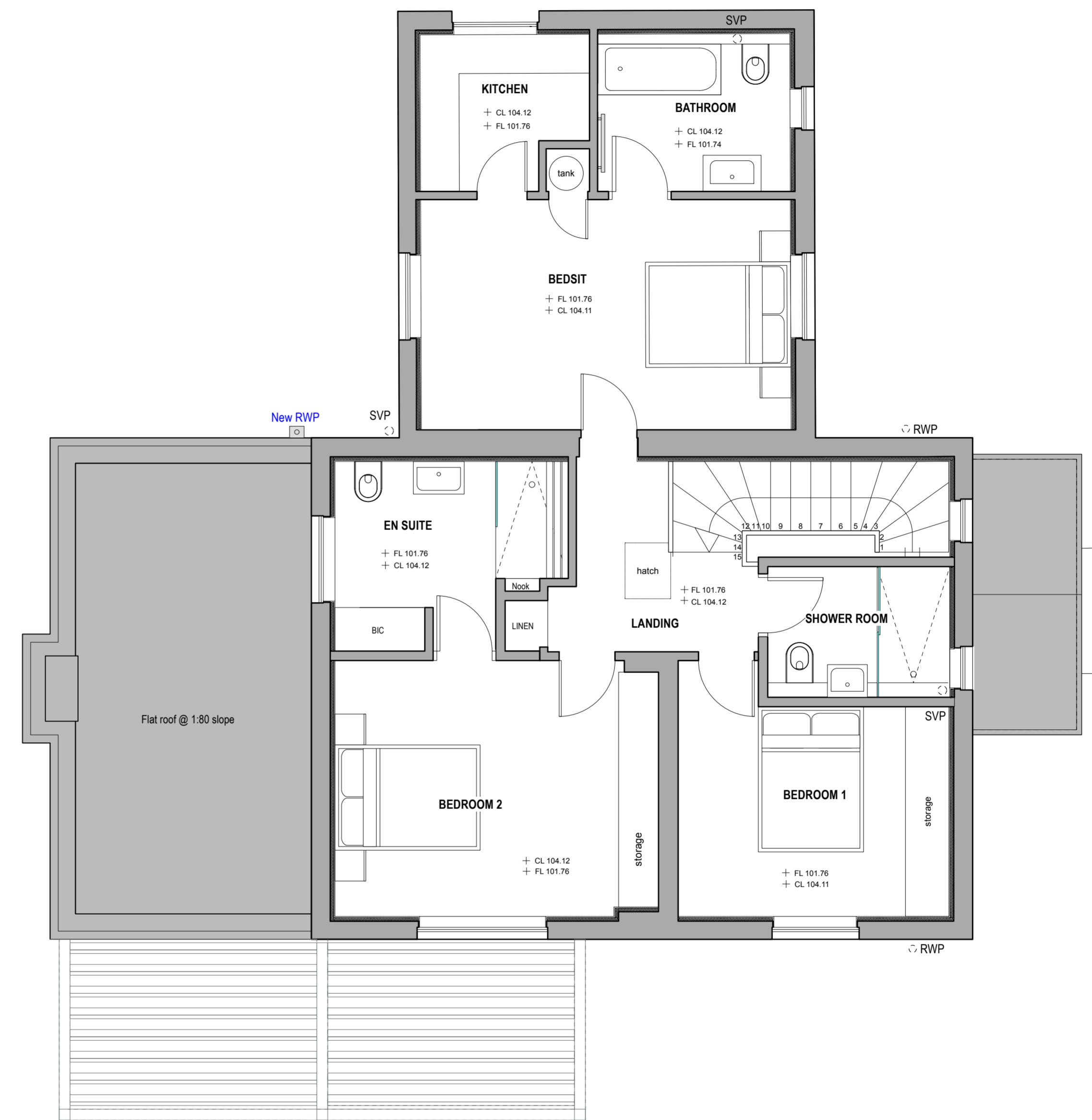
Kitchen 30/s (adjacent to hob)  
 Bathrooms 15/s  
 Utility room 30/s  
 Sanitary accommodation 6/s

**Background ventilators (trickle ventilators)**

The figures shown below for the background ventilators sizes and room locations are estimates, with final confirmation provided by the window/door supplier prior to manufacture.

Minimum 8,000mm<sup>2</sup> equivalent (at 1Pa pressure difference) area in all habitable rooms with an external wall.

Minimum 10,000mm<sup>2</sup> equivalent (at 1Pa pressure difference) area in kitchen.



**PROPOSED FIRST FLOOR PLAN**

4/11/24	New blockwork wall build up to proposed extension	AB
	Hearth setting out added	DC
Rev.	Date	Description
		D

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Drawing: **PROPOSED FLOOR PLANS**

Drawn: **AB** Checked:  
 Scale: **1:50 @ A1** Date: **NOV 24**

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