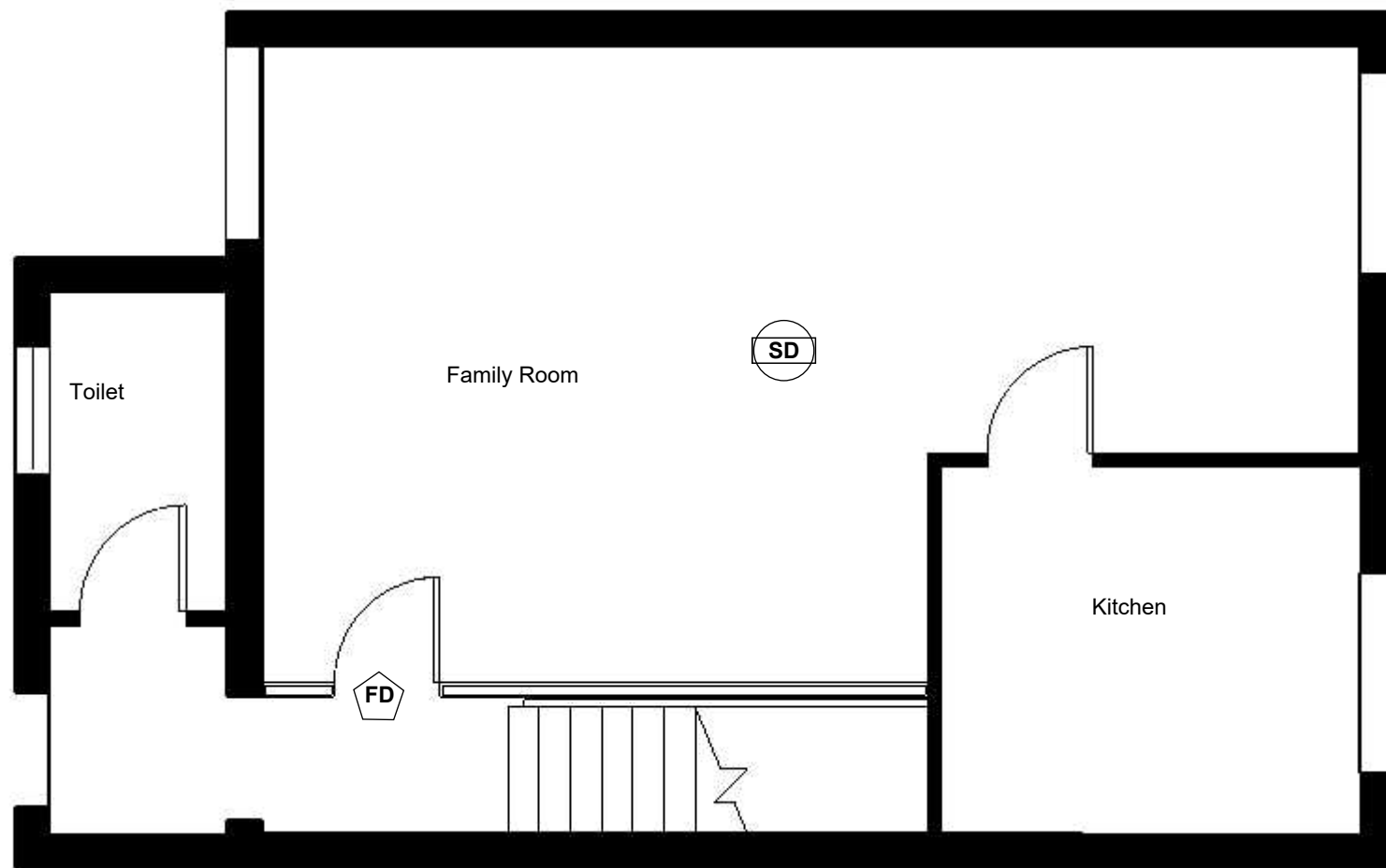


Scale 1:50



smoke detector



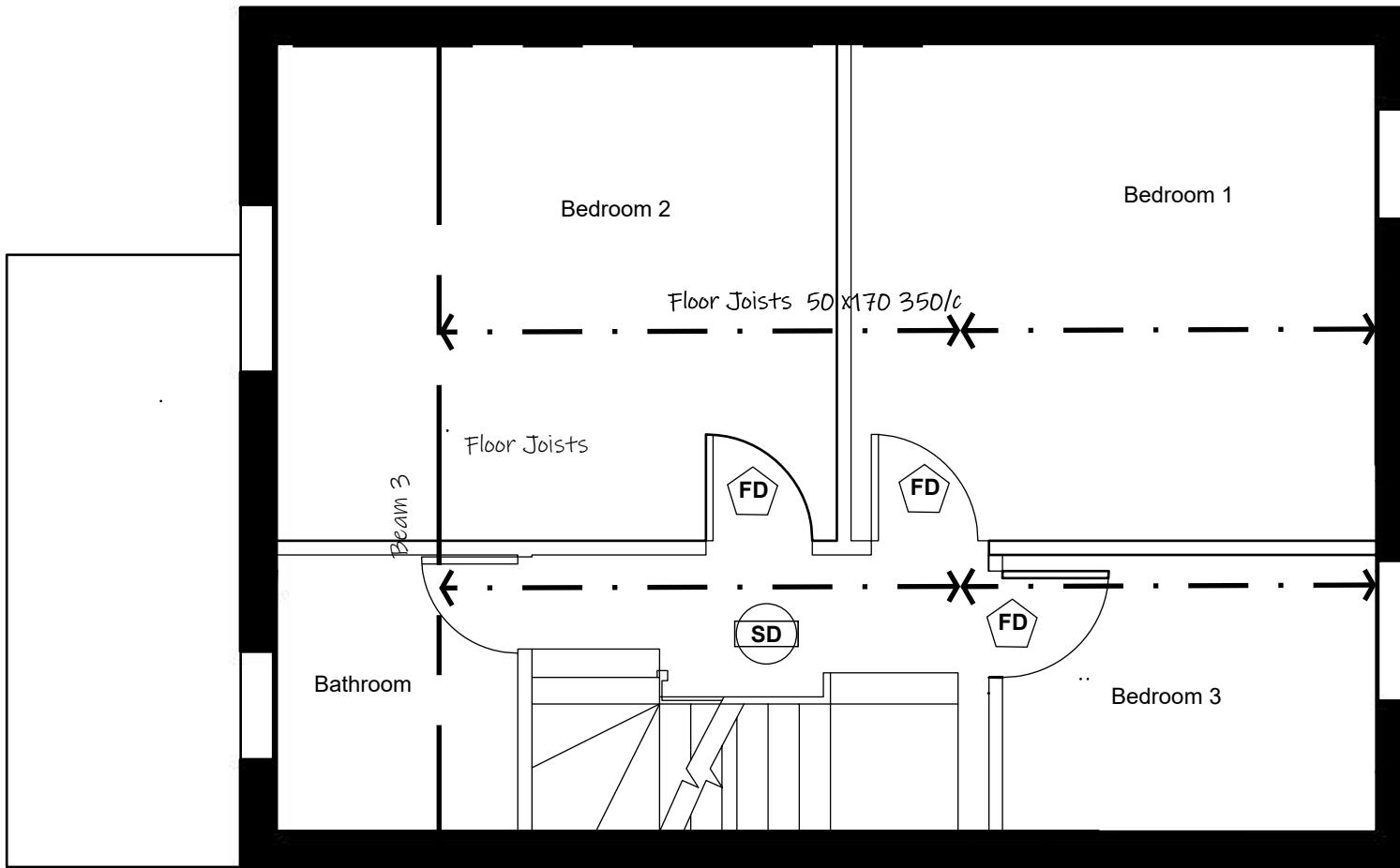
Fire Doors: all doors marked FD are to be self closing FD 30 fire doors with 30 minute fire resistance and manufactured to BS 476: Part 2



1/2hr rated partitions

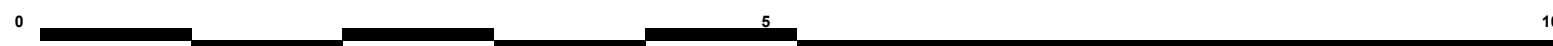
All existing internal walls are assumed to be 100mm dense concrete block construction on full foundations. Site investigations are to be undertaken to prove

Proposed



Gable End Walls / Party Walls
U-Value achieved minimum 0.30W/m2K
215mm brickwork
72.5mm Kingspan Kooltherm K1B with joints
taped across brickwork and 25x50mm battens
@ 600mm c/c fixed through insulation to walls
with 12.5mm wallboard finish

Scale 1:50



SuperBeam Project Summary

ITEMS:

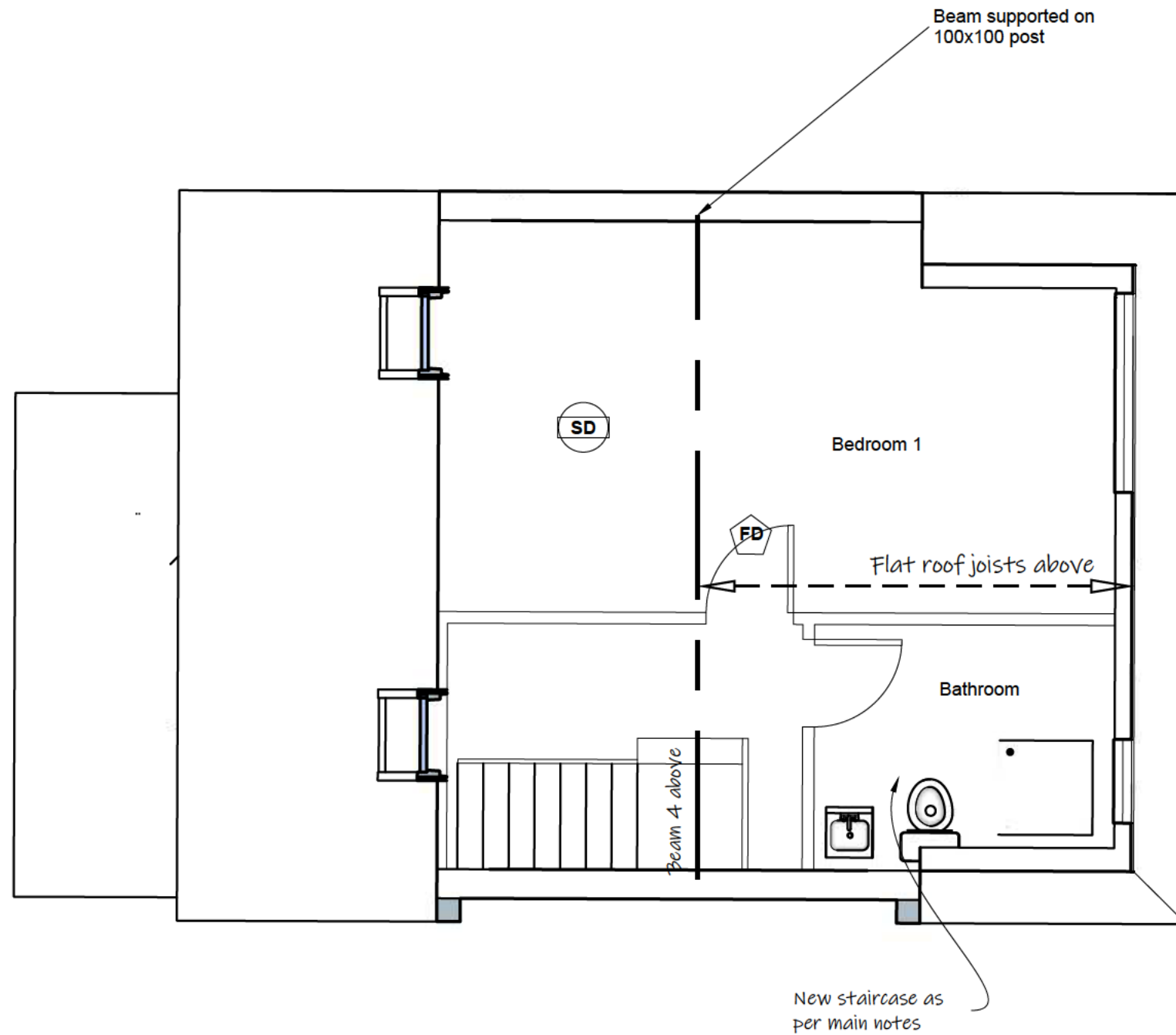
1: Beam: flat roof joists
Span: 2.9 m. Reactions: R1: 0.68 kN R2: 0.68 kN
Use 50 x 122 C24

2: Beam: floor joists
Span: 3.7 m. Reactions: R1: 1.11 kN R2: 1.11 kN
Use 50 x 175 C24

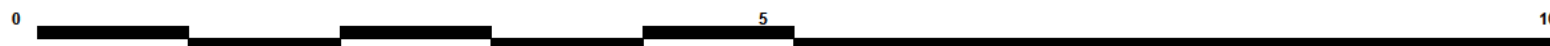
3: Beam: Front floor beam
Span: 3.5 m. Reactions: R1: 17.26 kN R2: 17.26 kN
Use 152 x 152 x 23 UC S275
Bearing R1: 700 x 100 mm padstone
Bearing R2: As R1

4: Beam: Ridge Beam
Span: 5.8 m. Reactions: R1: 19.66 kN R2: 19.66 kN
Use 152 x 152 x 37 UC S275
Bearing R1: 450 x 100 mm padstone
Bearing R2: As R1

Proposed



Scale 1:50



SuperBeam Project Summary

ITEMS:

1: Beam: flat roof joists
Span: 2.9 m. Reactions: R1: 0.68 kN R2: 0.68 kN
Use 50 x 122 C24

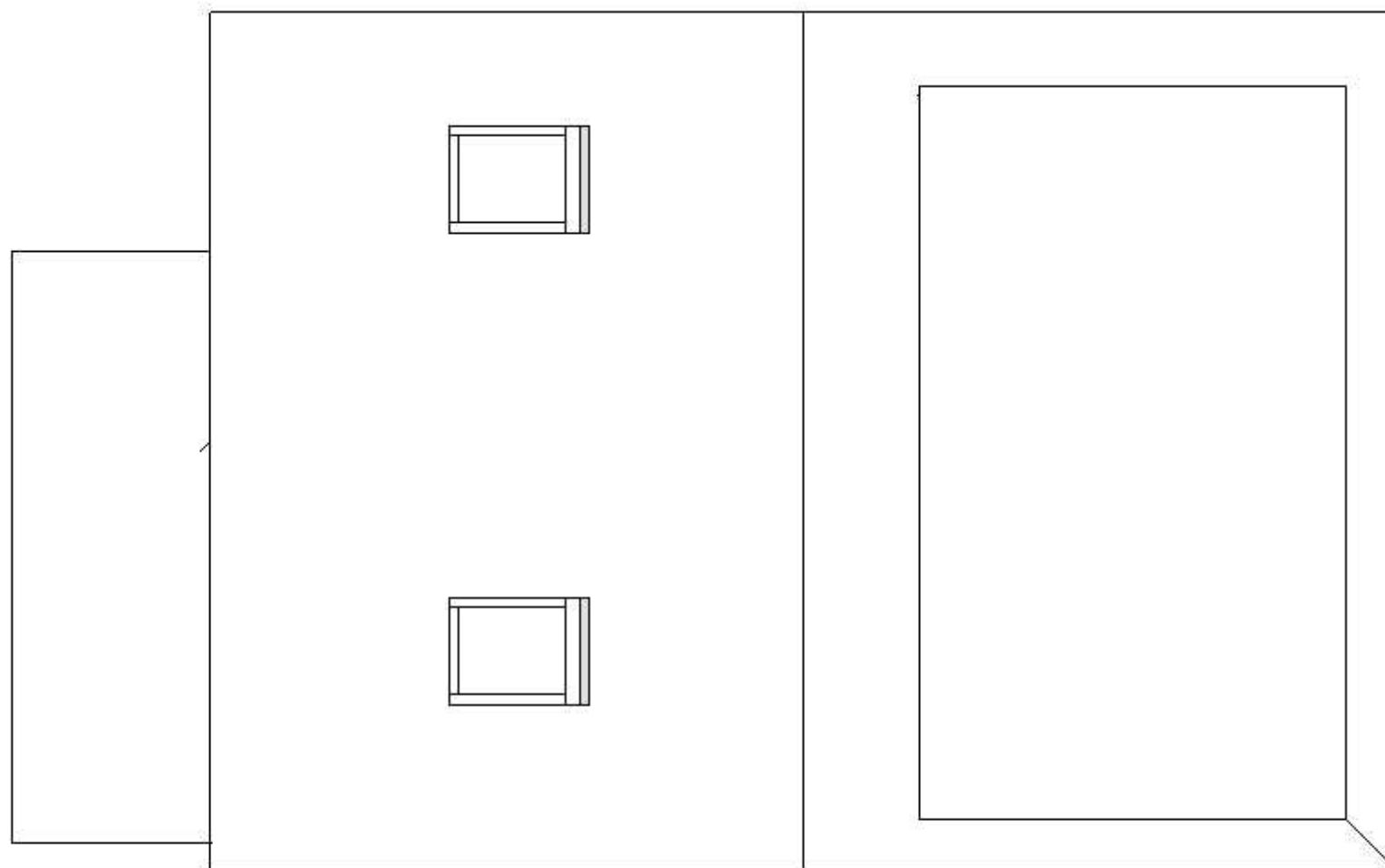
2: Beam: floor joists
Span: 3.7 m. Reactions: R1: 1.11 kN R2: 1.11 kN
Use 50 x 175 C24

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Span: 5.8 m. Reactions: R1: 19.66 kN R2: 19.66 kN
Use 152 x 152 x 37 UC S275
Bearing R1: 450 x 100 mm padstone
Bearing R2: As R1

Internal partitions are to ex
47x100mm sw studding at 400mm
c/c with noggins at midpoint,
12.5mm plasterboard both sides
c/w 3mm plaster skim, sound batt
insulation between all to provide
1/2hr fire protection.

Proposed



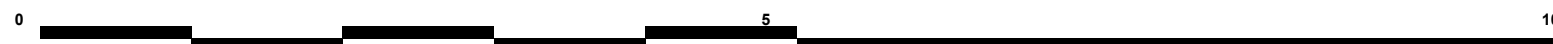
Roof felt to existing roof is to be confirmed as to complying with BS 747 1F reinforced felt.

Existing ridge tiles to be fitted with ventilators to provide equivalent of 25mm continuous ventilation.

Existing fascias and soffits to be provided complete with ventilation equivalent to 25mm continuous ventilation strip.

Existing party wall to be built up tight to underside of existing roof felt to achieve fire separation

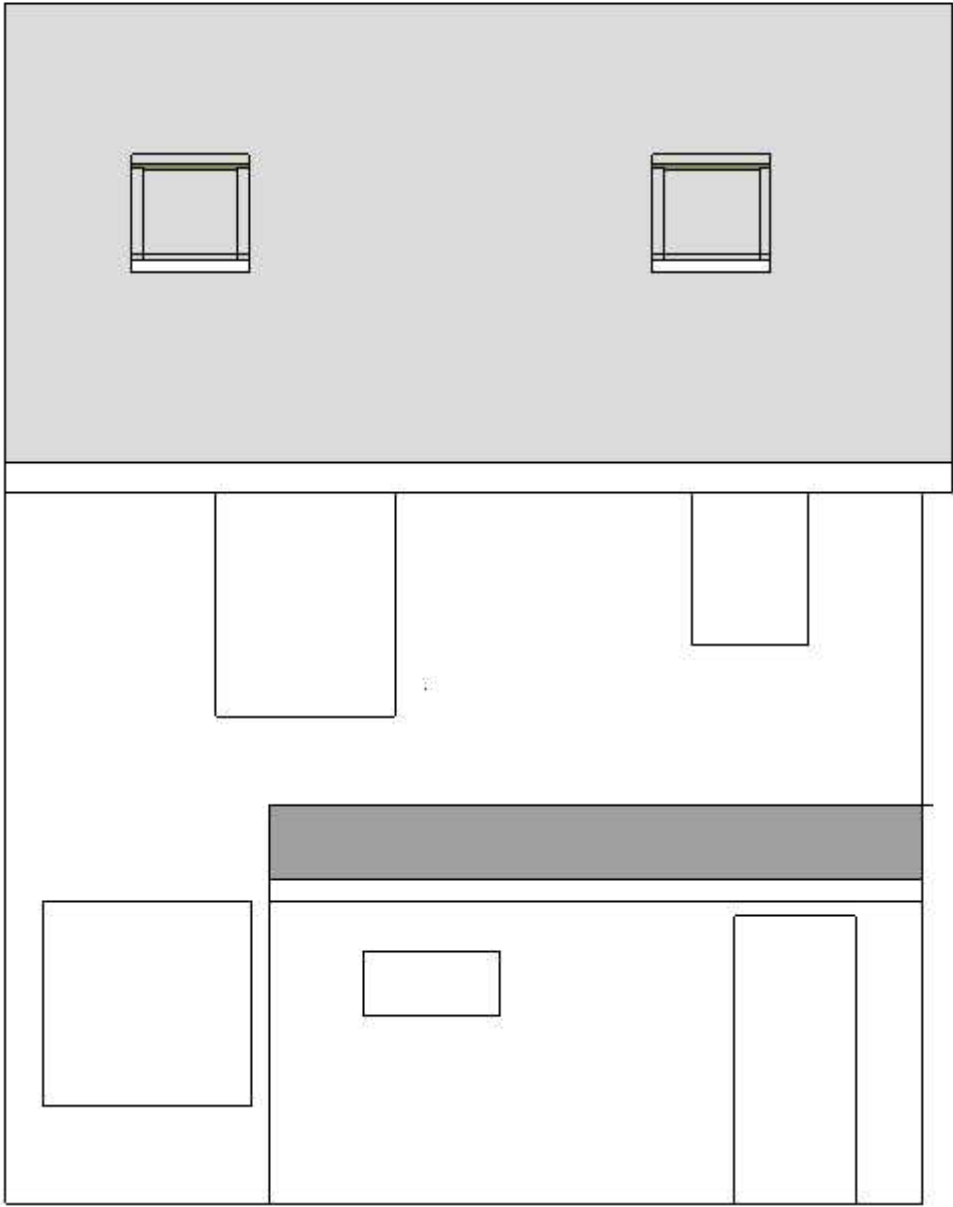
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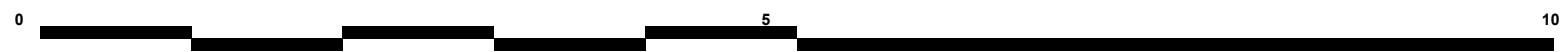
Proposed



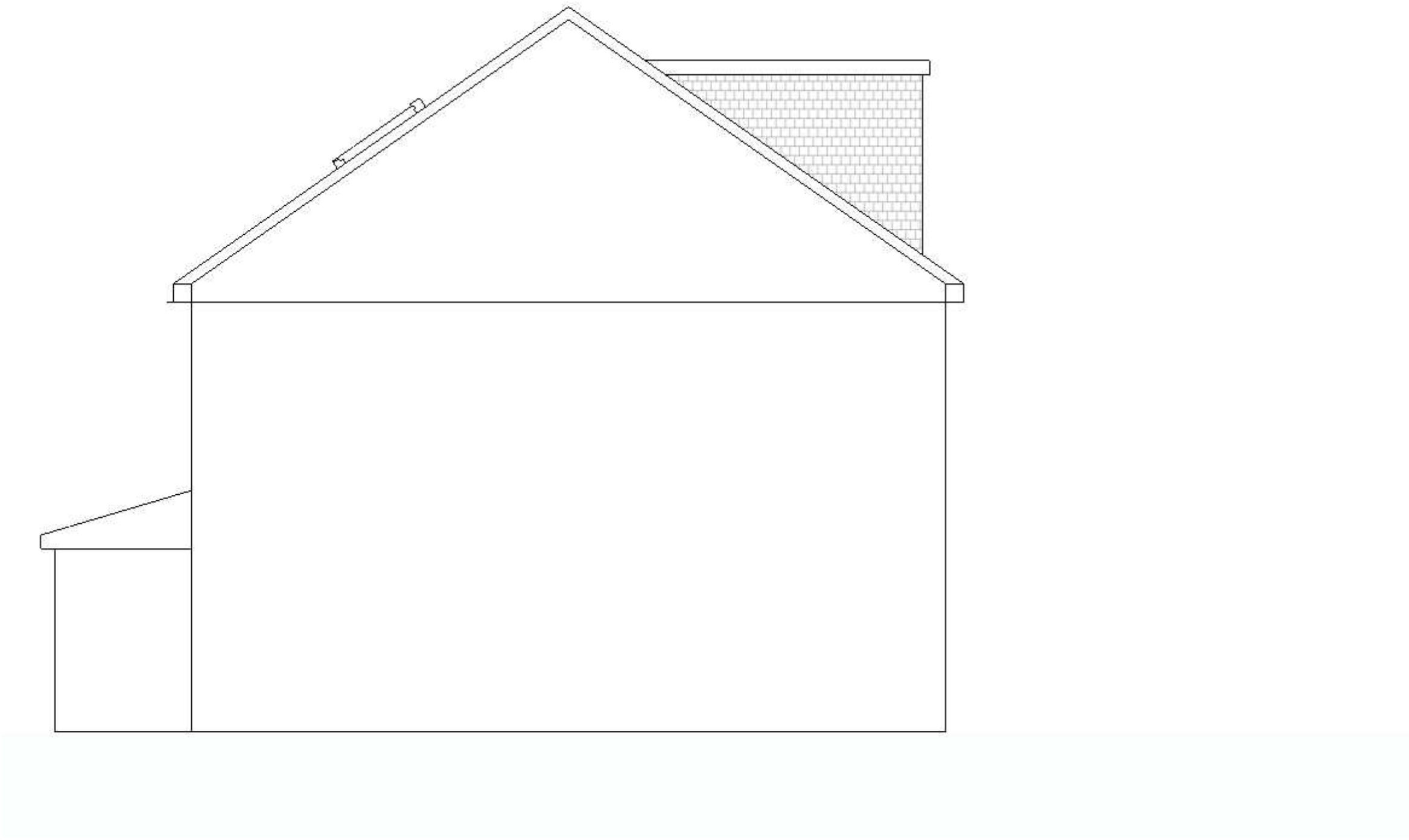
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Proposed

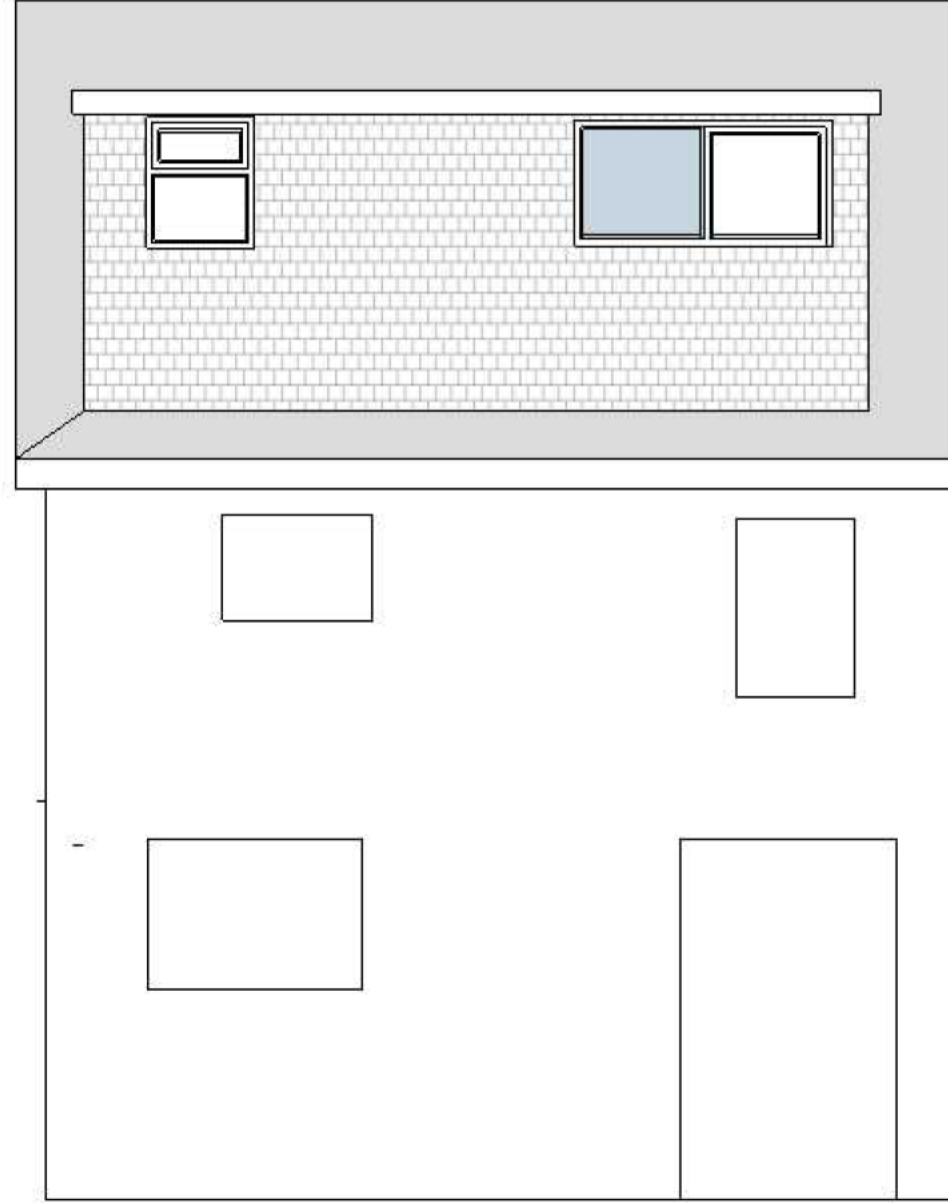
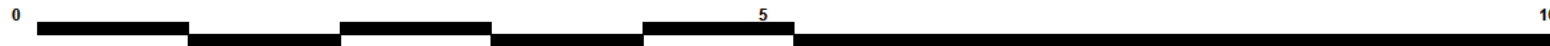


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Proposed

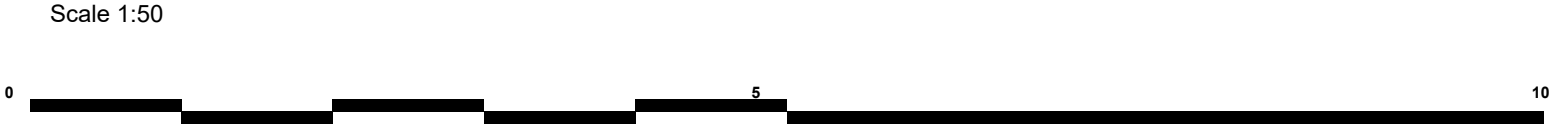
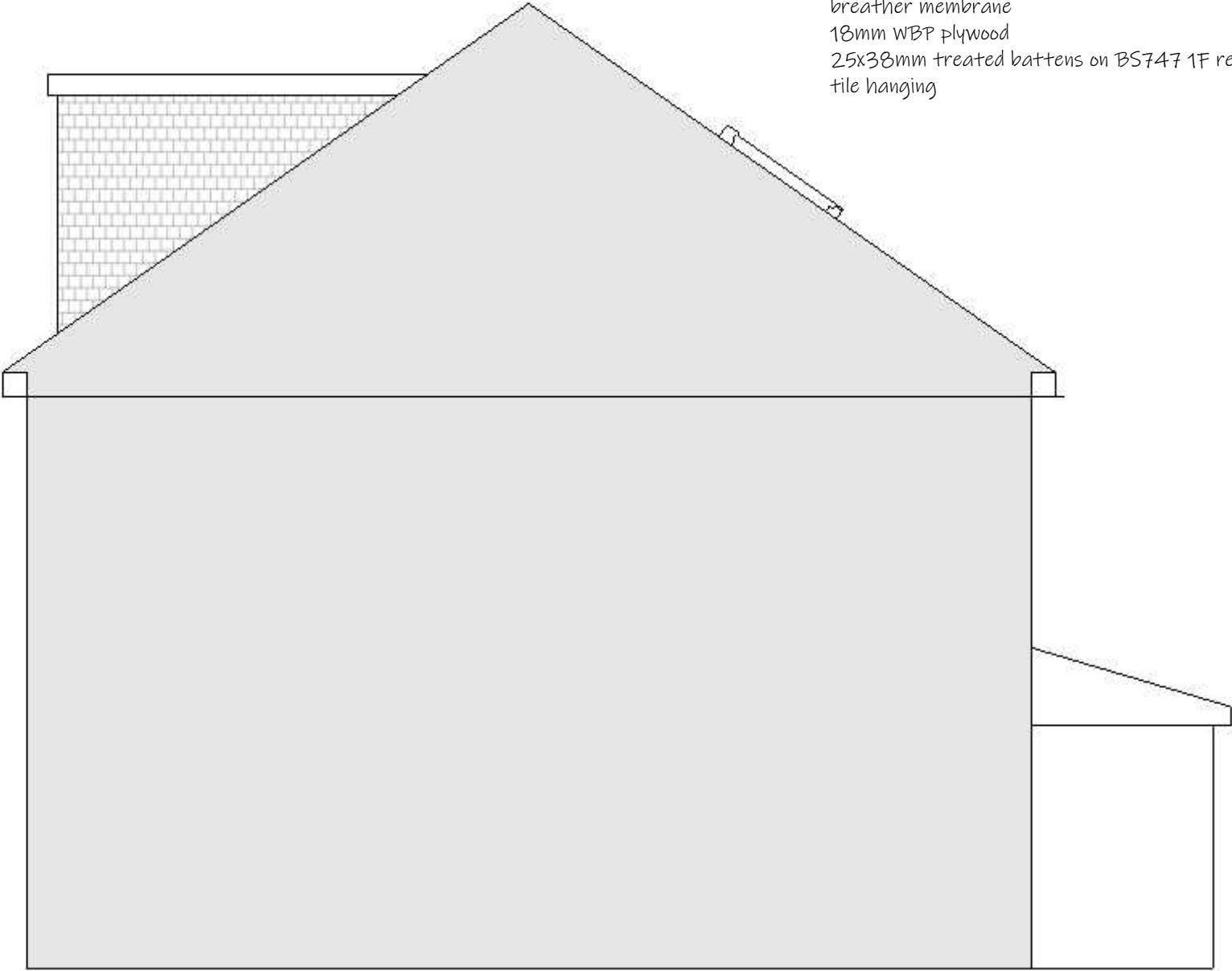
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Proposed

All glazing to side elevations to be obscured glazed.

- Walls
- 12.5mm foil backed plasterboard
- 35mm Gyproc Thermaline Plus finish to internal surfaces
- 50x100mm studwork to cheeks at 600mm c/c
- 100mm Fibreglass between studs
- breather membrane
- 18mm WBP plywood
- 25x38mm treated battens on BS747 1F reinforced felt
- tile hanging



Proposed

