PROPOSED SIDE ELEVATION

NEW VELUX WINDOW NOT TO EXTEND MORE THAN 150MM FROM ROOF TILE SURFACE

2610

NEW LIGHT WEIGHT TIMBER CONSTRUCTION WITH HANGING TILES.

NEW RENDER WORK TO MATCH EXISTING

PROPOSED SIDE ELEVATION

2610

PROPOSED GROUND FLOOR PLAN

LIVING ROOM

DINING

KITCHEN

LOBBY

New self-closing fire door FD30

New self-closing fire door FD30

PORCH

SD

UP
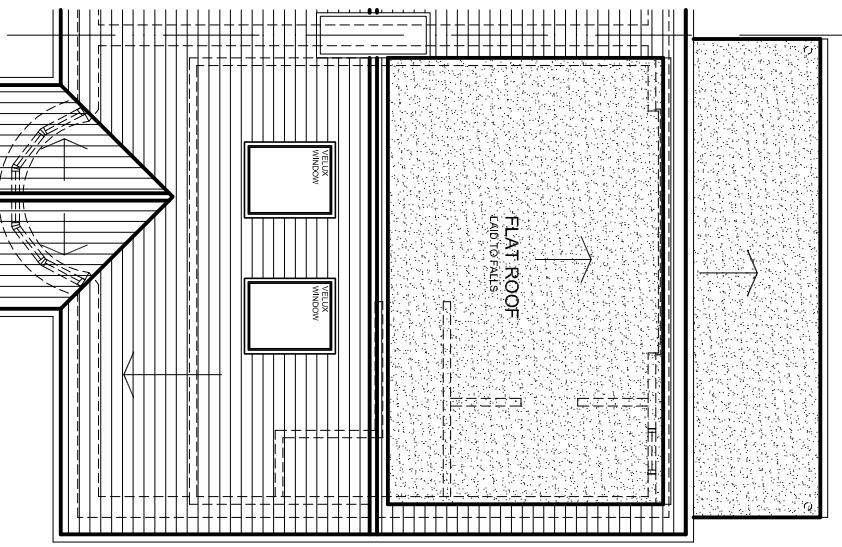
PROPOSED FIRST FLOOR PLAN

BEDROOM

BEDROOM

BEDROOM

LOBBY

SHW

WC

SD

UP

New self-closing fire door FD30

New self-closing fire door FD30

New self-closing fire door FD30

PROPOSED ROOF PLAN

VELUX WINDOW

VELUX WINDOW

FLAT ROOF C40D TO FALLS
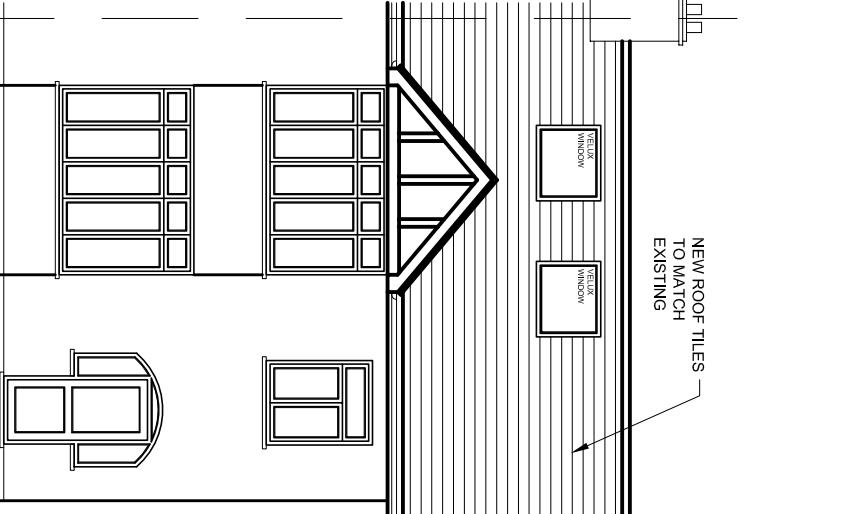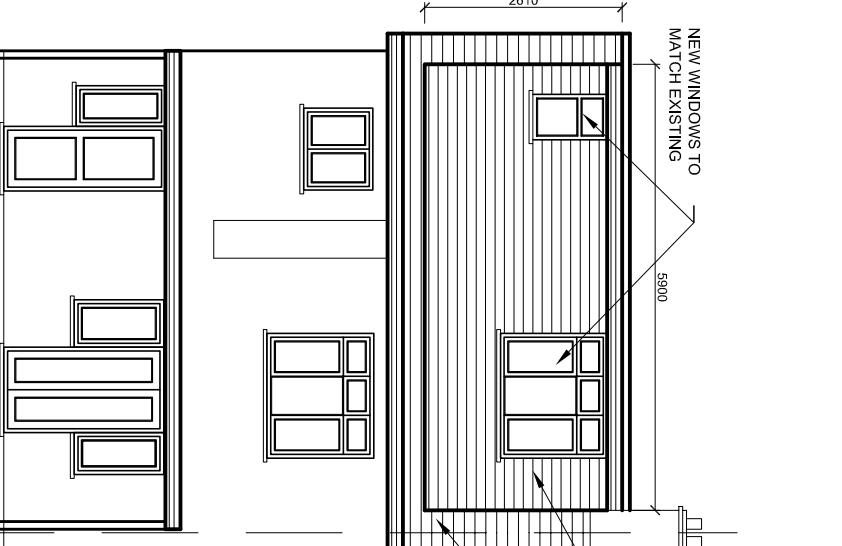
PROPOSED FRONT ELEVATION

VELUX WINDOW

VELUX WINDOW

NEW ROOF TILES TO MATCH EXISTING
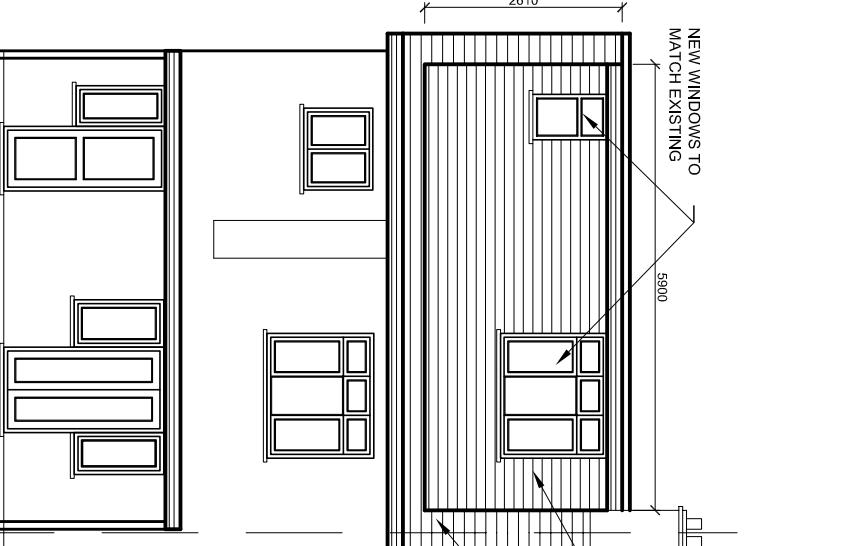
PROPOSED REAR ELEVATION

2610

5900

NEW WINDOWS TO MATCH EXISTING

NEW ROOF TILES TO MATCH EXISTING

NEW LIGHT WEIGHT TIMBER CONSTRUCTION WITH HANGING TILES

1:100

0   5m   10m
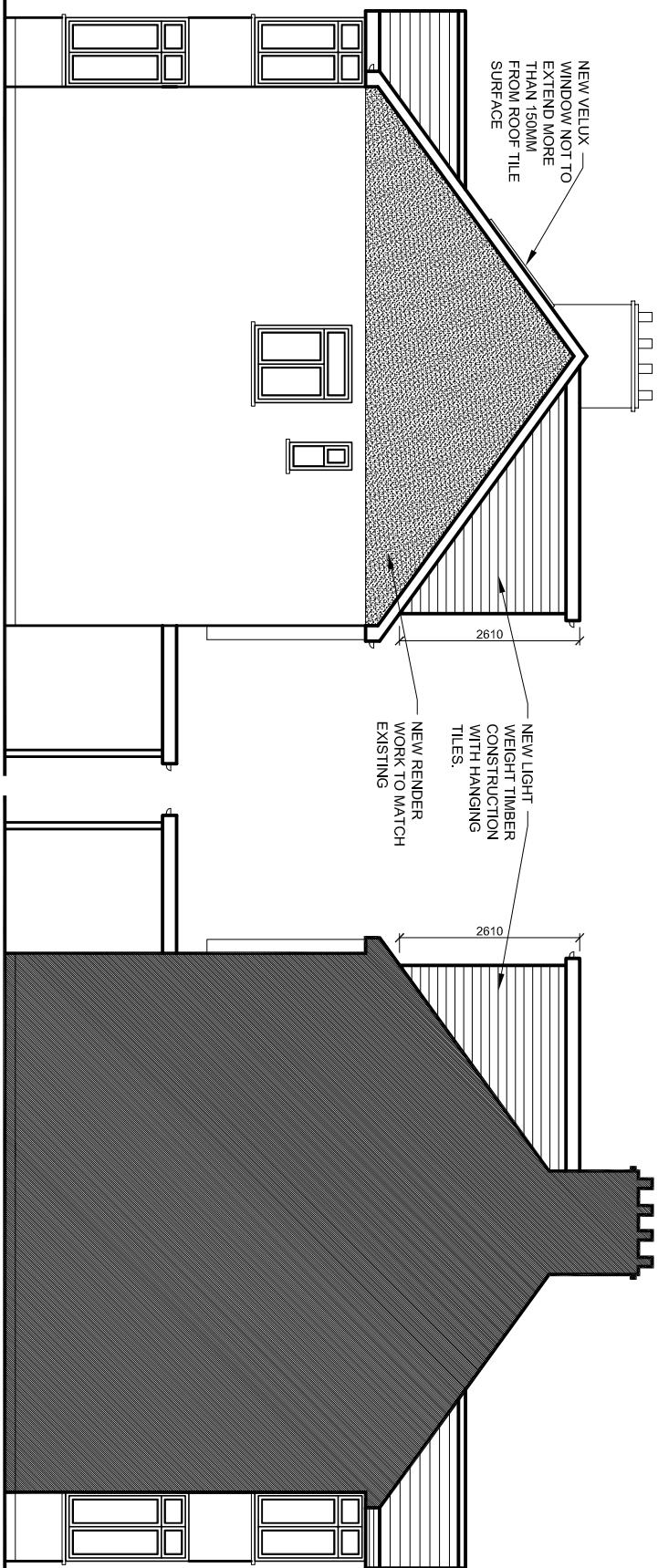
Permitted development calculations of volume of hip to gable

Formula for hip to gable = 1/3 (base x height)

Value of base - Area of base = 1/2 (length x depth)

Length - measure on side elevation from eaves to eaves.
Depth - measure on side elevation from ridge of new gable to where it meets the bottom of the roof (i.e. where the original side of roof had its eaves)

Put values of base in Formula for hip to gable

Formula for hip to gable = 1/3 (base x height)

Height - measure on existing front elevation distance from the existing ridge (at top of hip) to end of the ridge of the proposed gable.

Area of base = 1/2 (length x depth)
= 1/2 (8.2 x 3.0)
= 12.3

Formula for hip to gable = 1/3 (base x height)
= 1/3 (12.3 x 3.9)
= 15.9

Volume for rear dormer = 1/2 (length x height x depth)
= 1/2 (3.6 x 2.6 x 5.9)
= 27.6

Volume of hip to gable and rear dormer = 15.9 + 27.6 = 43.5 cu. m.