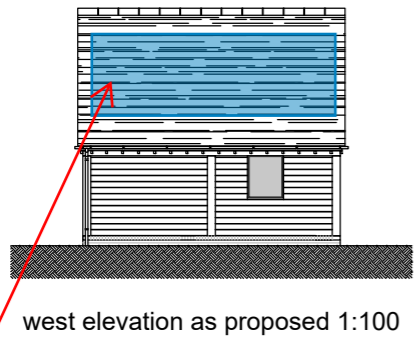
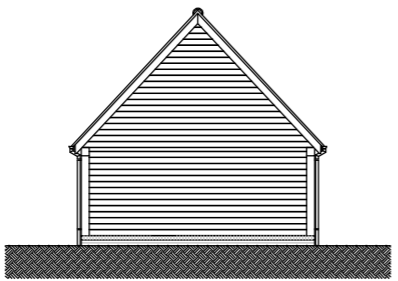


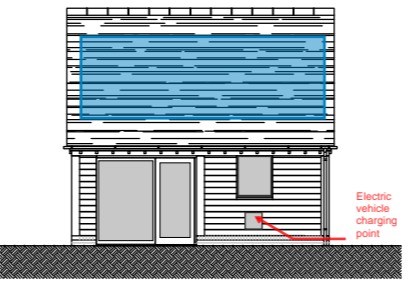
East/West Facing PV making the most out of morning and evening Sun to generate renewable energy on site



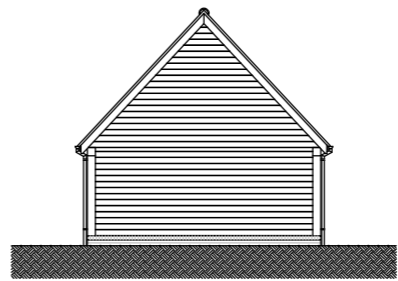
west elevation as proposed 1:100



south elevation as proposed 1:100



east elevation as proposed 1:100



north elevation as proposed 1:100

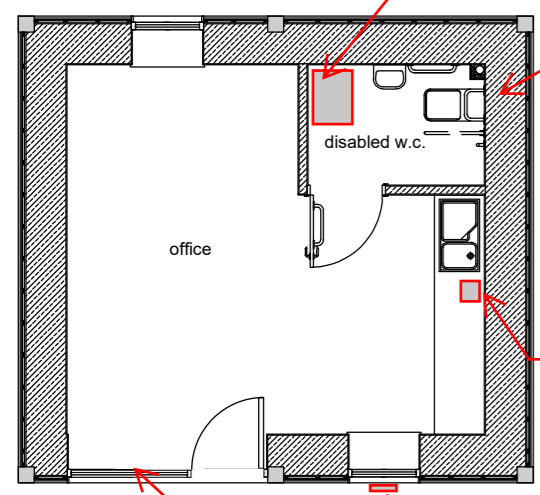
MVHR ventilation unit with combined cooling and heating air sourced heat pump and heat recovery

Walls, roof and floor achieving <math><0.12\text{W/m}^2\text{K}</math>

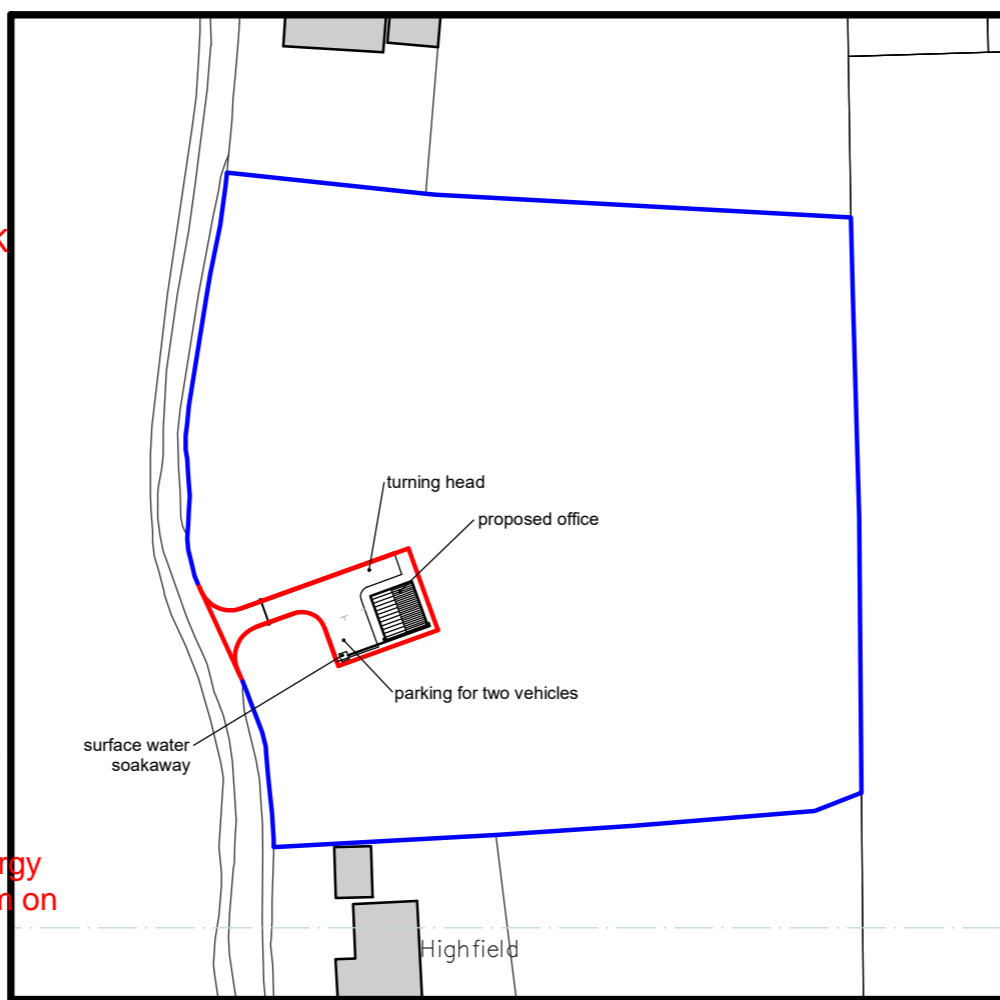
Small 5ltr undercounter water heater to supply kitchen and wc hot water

Electric vehicle charging point to maximise renewable energy from PV system on roof

Triple glazed high performance windows and doors with solar reflective glass to avoid unwanted solar gain and limit overheating
U Value <math><0.8\text{w/m}^2\text{K}</math>

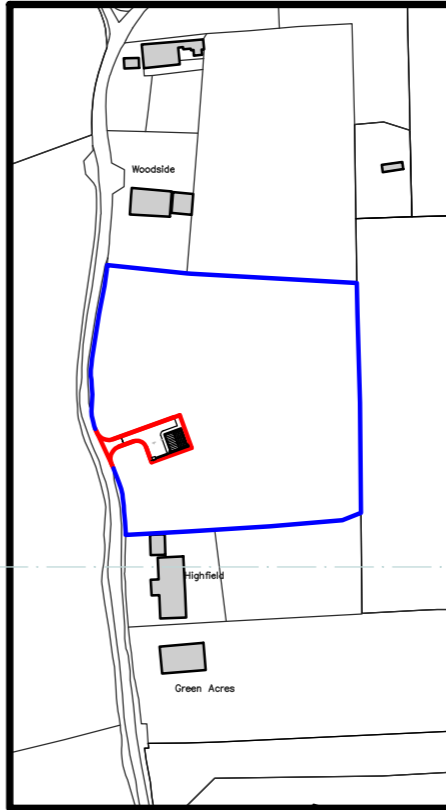


floor plan as proposed 1:50



block plan 1:500

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location plan 1:1250

All office computers and monitors to be most efficient available to lessen contribution to summer overheating and reduce energy consumption.
Overhead lighting to be at least 75lumen/watt efficient.
Electric vehicle charging point to maximise excess renewable energy production from PV in summer.

PLEASE PRINT PLAN AT A1

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PROJECT:
PROPOSED OFFICE ACCOMMODATION
AT CRUNDELLS LANE, BEWDLEY, WORCS.

CLIENT:
Mr. A. JONES

DRAWING TITLE:
PROPOSALS PLAN

SCALE:
AS MARKED

DATE:
DECEMBER 2018

DRAWN BY:
S. MUMFORD

DRAWING NUMBER:
12/2018/01a

REVISION:
A

REVISION DESCRIPTIONS:
A: WALL THICKNESS INCREASED TO ALLOW
FOR MORE INSULATION - JULY 2020 - SCM