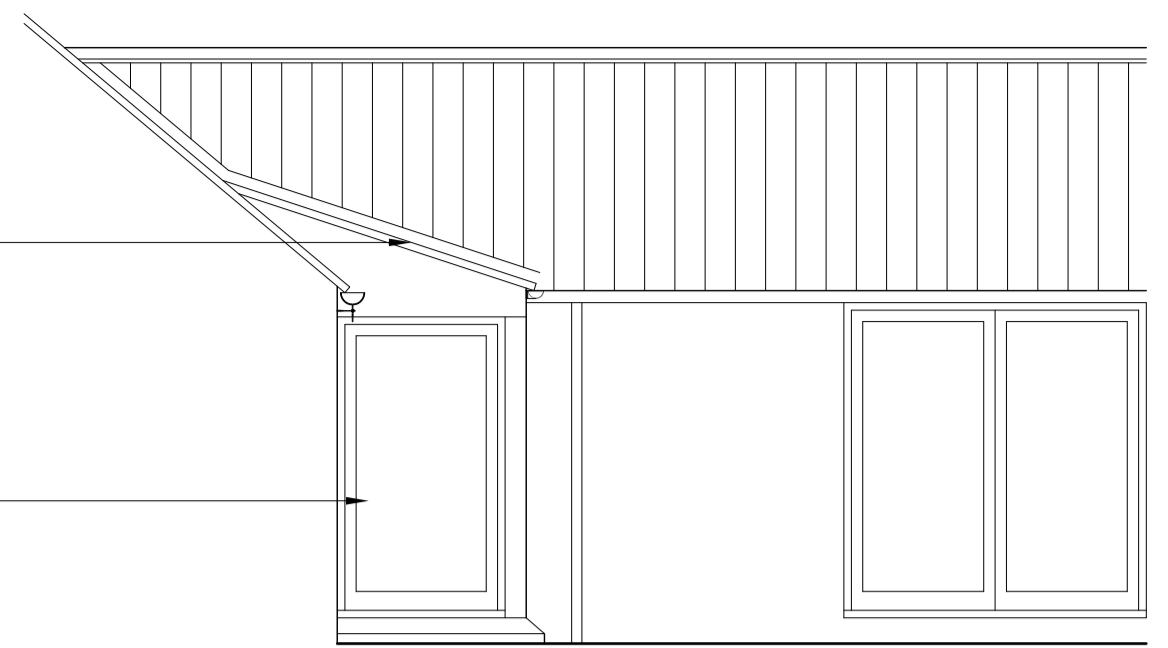
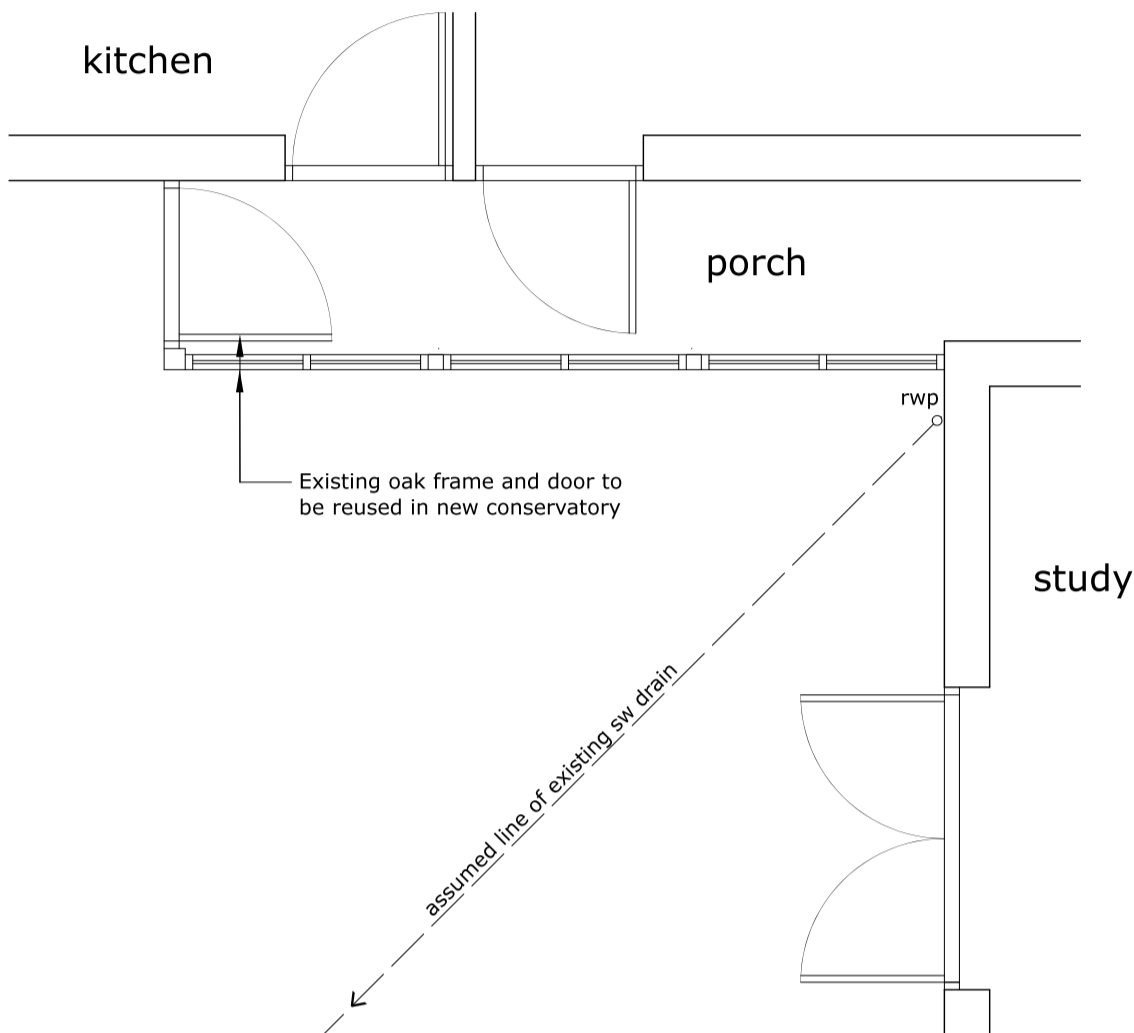


Existing side elevation



Existing rear elevation

- Carefully remove roof tiles to existing porch and set aside for reuse
- Carefully dismantle existing glazed oak frame, head beam and corner support post and set aside for reuse
- Carefully remove existing oak external door and set aside for reuse



Existing floor plan

These works are covered by the Construction (Design & Management) Regulations 2015. Under the CDM Regulations 2015 the client's duties are transferred to the contractor, principal contractor or contractor in control of the construction phase of the project who must carry out the client's duties as well as their own duties under this legislation.

This conservatory is exempt from the Building Regulations in accordance with Schedule 2 providing the glazing satisfies the requirements of Part K of Schedule 1. Electrical works are to be carried out by a qualified installer in accordance with Building Regulation Approved Document P and comply with BS 7671.

All dimensions and levels are to be checked on site prior to construction.

FOUNDATION CONSTRUCTIONS:

New dwarf walls to be set on 150 x 600 minimum strip concrete foundations carried down 900 minimum below finished ground level.

WALL CONSTRUCTION:

200 blockwork with 215 wide engineering brick detailing to match existing porch above ground level. Existing lintels in existing walls carrying additional loadings to be exposed, checked and upgraded if necessary.

GROUND FLOOR CONSTRUCTION:

65 thick sand/cement screed set level with existing porch floor on 500g polythene separating layer, on 100 thick Kingspan Kooltherm K3 insulation with 20 thick perimeter insulation to screed on 1200g polythene dpm tied into wall dpc on 150 minimum well consolidated sand blinded clean hardcore. 20 thick perimeter insulation to be carried round all external walls and for a distance of 1000 along internal block walls from their junction with external wall.

CONSERVATORY CONSTRUCTION:

Oak framing to match existing porch, designed by specialist contractor, reusing existing frames as detailed with 47 x 125 class C16 rafters at 400 max cts with double rafters to sides of roof windows and 47 x 125 PAR oak collars with chamfer stopped arrises equally spaced between roof windows at 1200 cts. Existing weathered tiles to be reused on front elevation and reclaimed tiles similar to existing are to be installed on rear face of roof on treated battens on breather felt. Insulate roof with 120 thick Kooltherm K7 insulation between the rafters underdrawn with 62.5 thick Kooltherm K18 insulated plasterboard with plaster skim finish (U value 0.15 W/m2K).

WINDOWS:

New oak frame to have double glazing with a whole unit U value of 1.4 W/m2.K. All window frames to be set on DPC tied into floor DPC on dwarf walls.

ROOF LIGHTS:

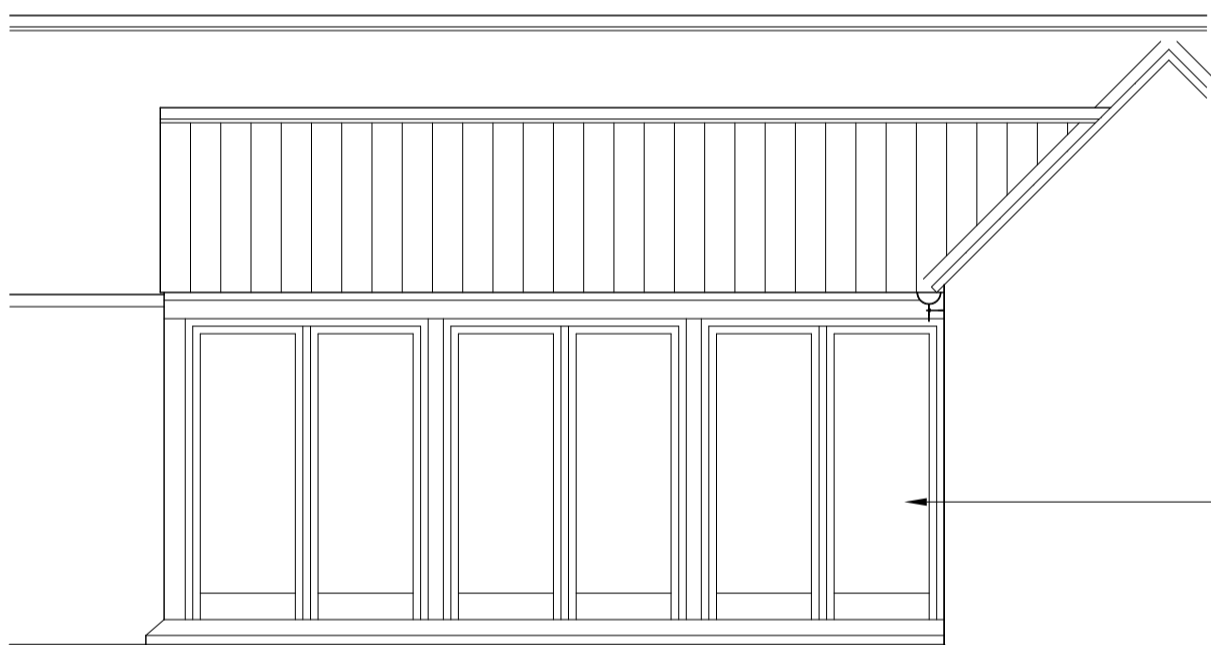
Centre pivot Velux roof windows to be complete with self-cleaning glazing 70 units (Uw = 1.3 W/m2K) and insulated linings internally.

LIGHTING:

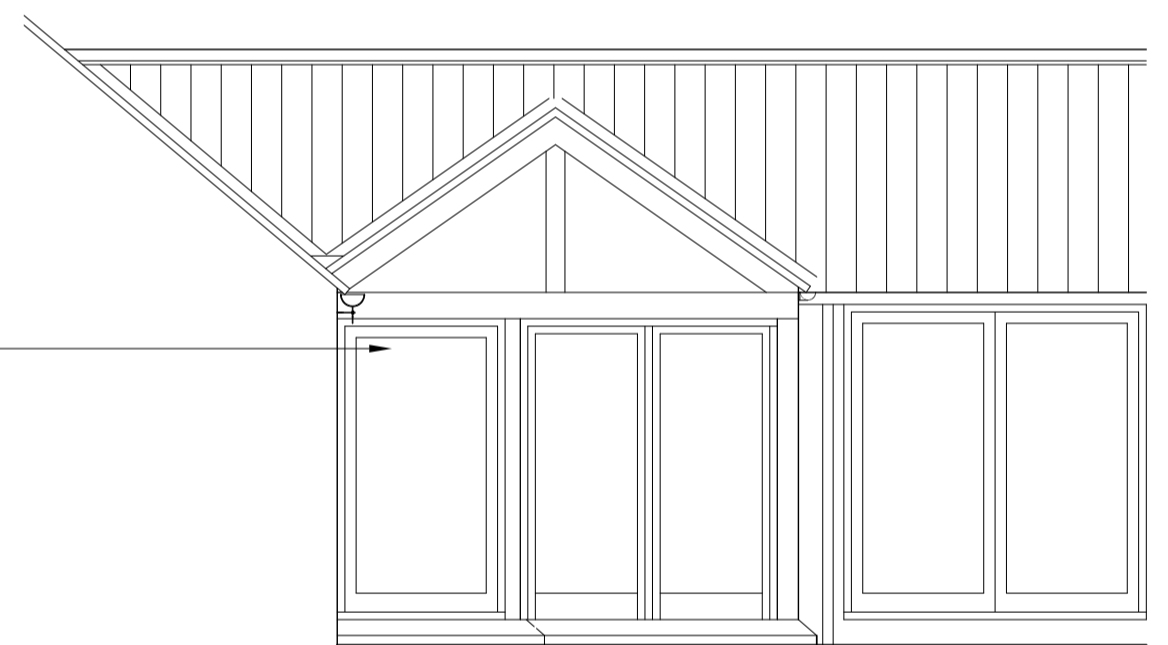
Low energy light bulbs to be installed in 100% of all new light fitting.

DRAINAGE:

Remove existing downpipe and surface water drainage under line of new conservatory and make good. Form code 4 lead lined gutter between new conservatory roof and main building roof and discharge into existing gutter. Existing gutter on reused oak framing to be reconnected into existing bungalow gutter and new downpipe installed with new 100 dia sw drain with flexible joints reconnected to existing sw drain outside line of new conservatory.

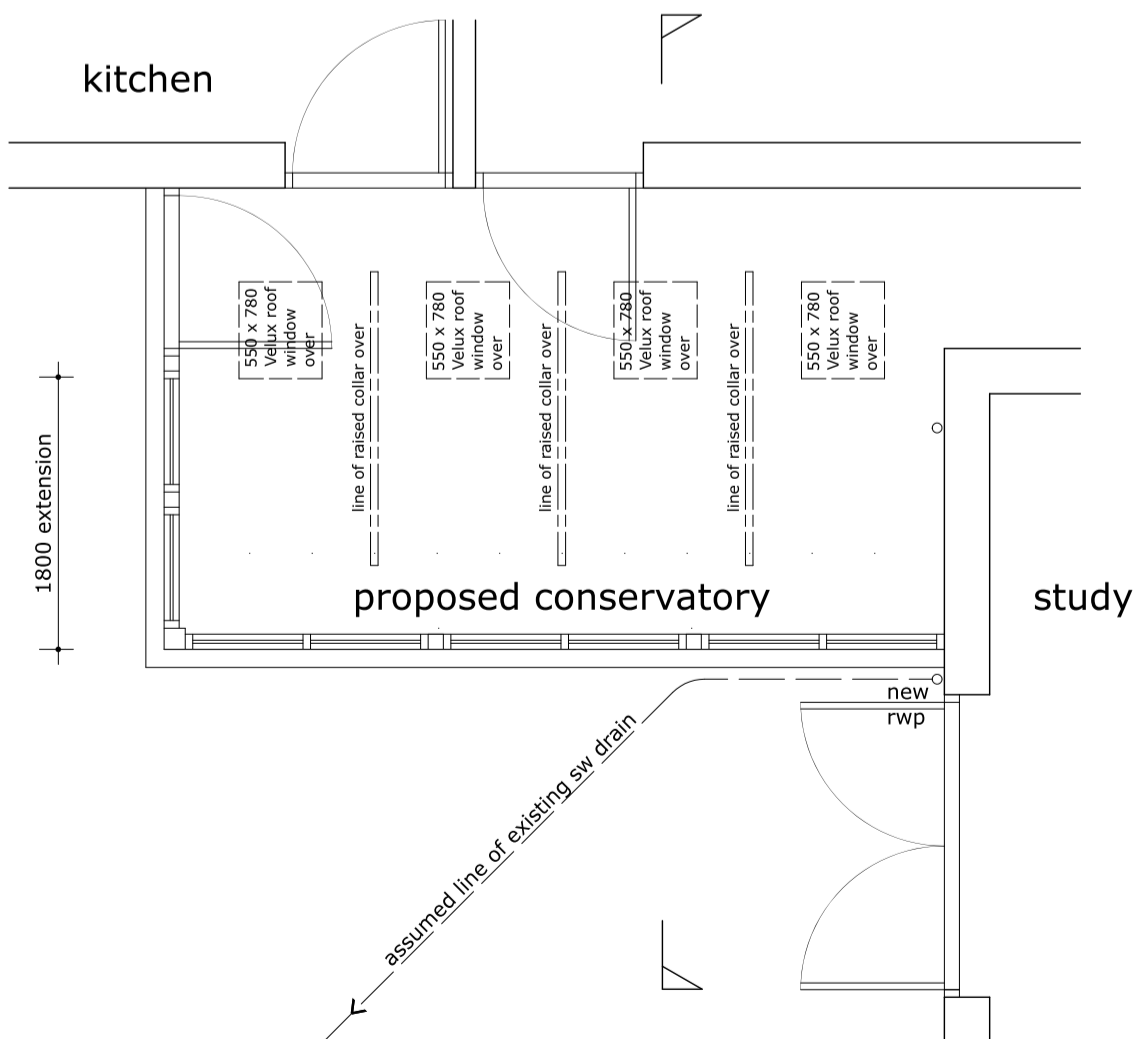


Proposed side elevation

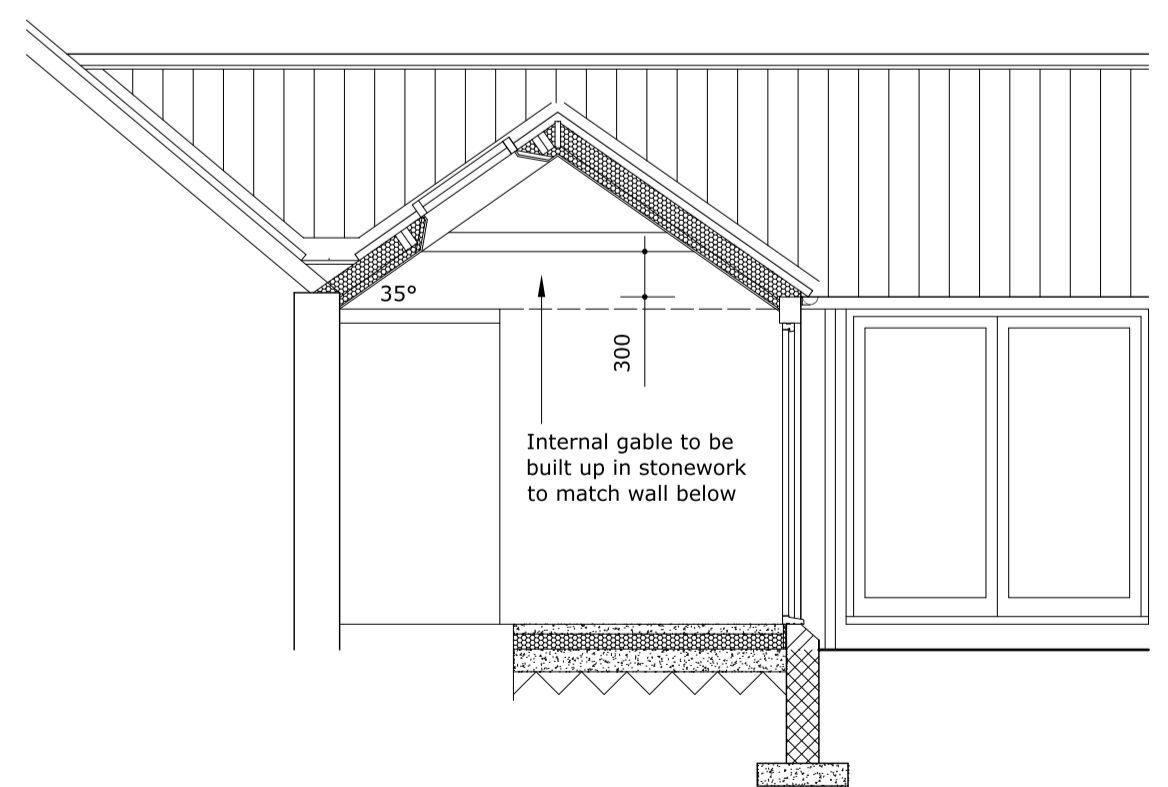


Proposed rear elevation

- New oak frame to match existing with glazed gable, as specified, incorporating reclaimed oak door
- Reclaimed glazed oak frame, head beam and support post



Proposed floor plan



Proposed section