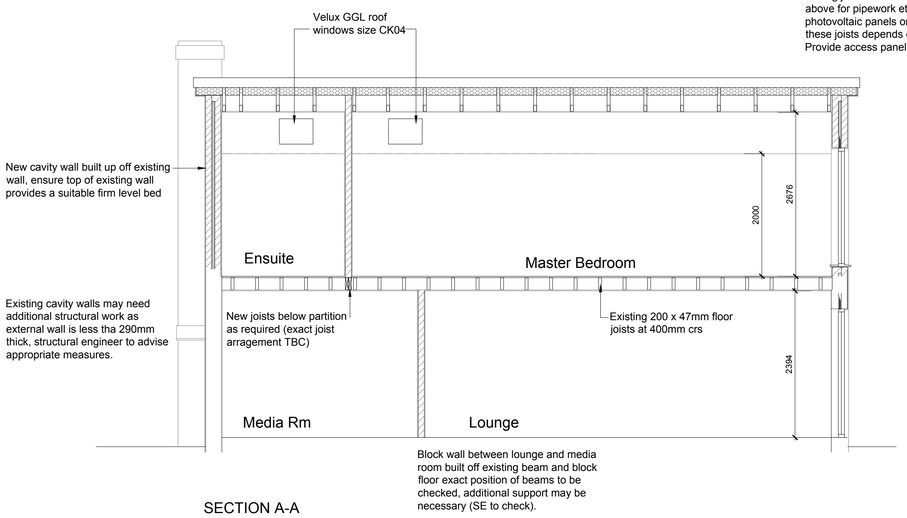
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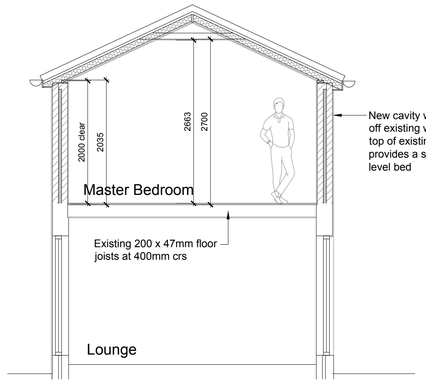


Block wall between lounge and media room built off existing beam and block floor exact position of beams to be checked, additional support may be necessary (SE to check).

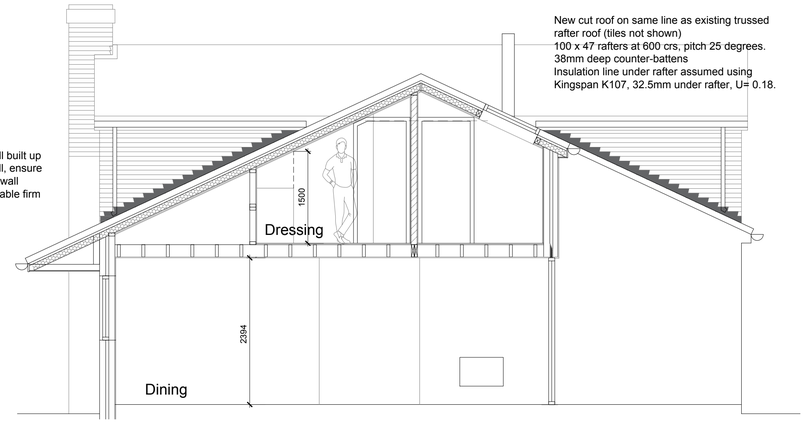
SECTION A-A
Scale 1:50

Ceiling joists below ridge forming zone above for pipework etc associated with photovoltaic panels on roof, exact level of these joists depends on space required. Provide access panel(s) into this space.

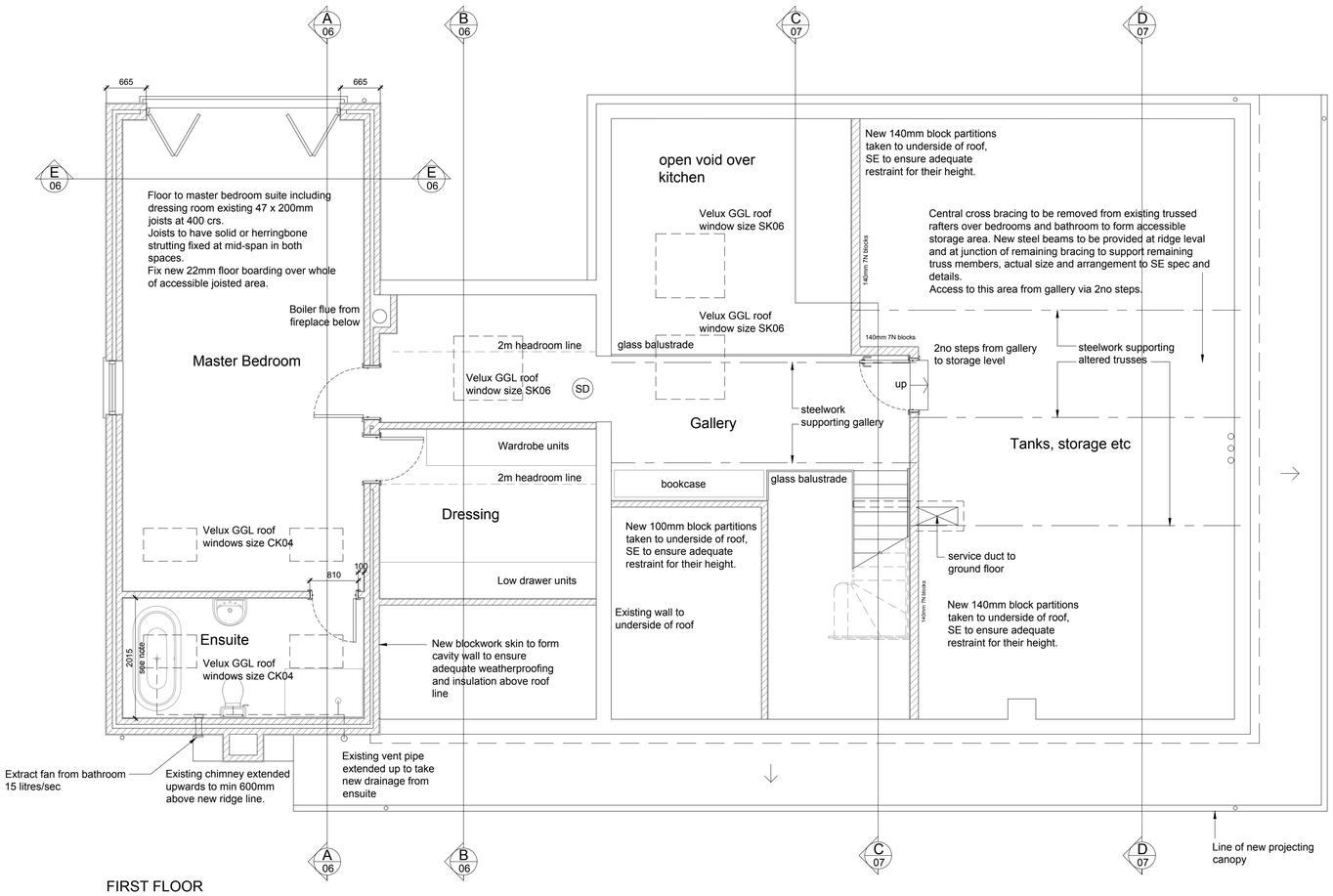
New cut roof over master bedroom suite.
100 x 47 rafters at 600 crs, pitch 25 degrees.
38mm deep counter-battens.
See also general notes.



SECTION E-E
Scale 1:50



SECTION B-B
Scale 1:50



FIRST FLOOR

SCALE 1 : 50
SCALE 1 : 1
0m 0.5m 1m 2m 3m 4m 5m
0m 10mm 20mm 40mm 60mm 80mm 100mm

THIS DRAWING MUST BE READ IN ACCORDANCE WITH ANY OTHER PROJECT DRAWINGS, SPECIFICATIONS AND STRUCTURAL ENGINEER'S DRAWINGS AND DETAILS.

GENERAL NOTES
Existing roof over bedrooms 2-4 and bathroom to be retained although central cross bracing to be removed to facilitate access, see section D-D, all subject to SE specification, existing tiles and sarking felt n this area to be retained unless damage requires replacement.
Existing roof insulation (cold roof) to be checked and if necessary replaced or increased.

New cut roof over ground floor to align externally with existing remaining roof tiles, new cut roof over master bedroom suite at higher level.
Rafters generally 100 x 47mm at 600mm centres and 25° pitch, steel purlins to SE design, 100 x min 50mm swd wallplates.
Master bedroom roof to have collars set at approx. 2700mm above floor level, space above to allow for distrbution pipework etc for future PV panels. SE to advise if location of collars is adequate for restraint of rafters.
Double rafters either side of roof windows.
Warm roof Insulation to new roofs shown as 100mm Kingspan K107 between rafters and Kingspan 32,5mm Kingspan K108 insulated plasterboard below rafter.
38mm deep counter battens on top of rafters, breathable sarking felt and tiles to match existing on appropriately sized tanalised battens.
Eaves and verge projections to match and align with existing (approx. 150mm).
Rafters birdsmouthed to min 50 x 100mm swd wallplates.
Wallplates strapped to walls if required by structural engineer.
Gable walls strapped to rafters at max. 2 m centres up roof slope with 30 x 5mm galvanised steel straps turned down cavity over uncut block and fixed across min. 3no rafter with support noggins between rafters.

Floor to master bedroom suite including dressing room comprises of existing 50 x 200 mm floor joists at 400 crs. Joists to be checked by structural engineer for suitability.
Install solid or herringbone strutting fixed at mid-span in both spaces.
Fix new 22mm floor boarding over whole of accessible joisted area.

New gallery floor to be 2no steel beams to structural enginer's design, Headroom below gallery should not be adversly affected by the depth of steelwork and UC's may be considered to maximise ceiling height below.
Min. 50 x 150mm floor joists at 450mm centres between beams.
Fix 22mm floor boarding over gallery, finished floor of gallery to be level with floor over master bedroom suite.

Heating - Gas fired boiler to be installed/relocated by specialists.
Hot water cylinder to be located in roof space with appropriate support and access.
Install in accordance with Domestic Services Compliance Guide.

Ventilation - Extract rate of at least 15 litres/sec from bathroom, en-suite and WC with 15 minute fan over-run (and 10mm gap under door); 30 litres/sec from utility; 30 litres/sec from kitchen if over hob, or 60 litres/sec if away from hob. Extract at first floor level to roof vents, extract at ground floor through wall.

Electrical - All electrical work is to comply with BS7671: The Requirements for electrical Installations 17th [or current] Edition (incorporating all
amendments as published by the Institution of Electrical Installations.
The connection to the electrical supply shall be in accordance with the requirements of the Supply Authority.

Lighting - New light fittings should have lamps with a luminous efficacy greater than 45 lamp lumens per circuit-watt and a total output greater than 400 lamp lumens. All in accordance with the Domestic Building Services Compliance Guide.

Windows and external doors all to be replaced with new composite timber/aluminium frames, double or triple glazed to client's requirements.
Opening configuration (side-hung, top-hung or tilt & turn to client's preference).
New stainless steel lintels over all new openings to structural engineer's spec. with minimum 150mm end bearing, cavity trays over all lintels.
All glazing within 800mm of floor to be class 3 to BS EN 12600 or BS 6206.

New roof windows as shown, Velux or similar top-hung and remote controlled, trimming members between rafters to manufacturer's instructions.

SD Interlinked smoke detectors - grade D2 category LD3 standard self contained mains operated smoke alarms with battery back-up, interlinking by hard-wiring or radio link to BS 5839-6.
To be fixed at ceiling level in circulation areas of each storey, not within 300mm of any wall and within 600mm of ridge where fitted to sloping ceiling.

Ref.	Date	Description	Initial
-	20-05-21	Planning application	AP
A	13-05-21	Building Regs revisions - smoke detectors, note re structural assessment of existing walls.	AP
-	19-04-21	Building Regs submission	AP

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Client:
Mr S and Mrs T Grimston

Project:
Proposed alterations to dwelling
59 Little London
Spalding
PE11 2UE

Drawing Title:
First Floor Plan
Sections A-A, B-B, E-E

PLANNING/BUILDING REGULATIONS

Date:	Scale:
Apr 2021	as shown
Drawn by: AP	Checked by: AJO

Drawing Number: **A1515-08**
Rev: **A**