

GROUND FLOOR PLAN

GENERAL:-

FOUNDATIONS:-
Foundations to be constructed at 600x225mm to new cavity walls and 450x225mm to lb int walls off good ground with at least 600mm cover subject to depth of existing to be linked to and below any adjacent drainage. Generally foundations and excavation works to be subject to the approval of LA Building Control Officer.

WALLS BELOW DPC:-
Standard foundation quality blockwork, solid, with strength 4.2N/mm². All cavity walls to have GEN 1 designated mix concrete filling up to 150mm below lowest DPC.

DAMP PROOF COURSES:-
Horizontal DPC to all walls. DPC's to external walls to be min 150mm above external ground level. Tray DPC to be installed above all lintels, meter boxes and air bricks with perpendicular weep holes at max 450mm c/c. Tray DPC's to rise min 150mm across cavity. All DPC's to be min 2000 Gauge.

EXTERNAL CAVITY WALLING:-
External leaf in 102.5mm approved facing brick. Internal leaf of 100mm 4.2N/mm² solid lightweight conc blk/wk. Generally provide 100mm structural cavity with 50mm partial fill cavity insulation board such as Kingspan Kooltherm or an equivalent built-in as work proceeds. BBA certified, to achieve overall U-value of max 0.18W/m²K when used in conjunction with insulated p/b lintings to ensure recommended overall u-value to wall in accordance with chosen mfrs instructions. Stainless steel cavity wall safety ties at 750mm horiz c/c, 450mm vert c/c and every block course vertically at reveals within 150mm of reveal. Close cavity around all openings with proprietary insulated combination dpc/closer such as Cavity trays Cava90 or other equal and approved to prevent cold bridging. Cavity to be closed at head of cavity wall. Provide and install all necessary dpc's as specified before.

LINTELS:-
All lintels, unless specified otherwise, to be Catnic Cougar insulated steel cavity lintels, or other equal and approved. BBA certified and suitable for the span and load supported with min 150mm end bearings in accordance with manufacturer's recommendations. Provide tray DPC over as before. Any openings with particular lintel requirements indicated on the drawings.

INTERNAL WALLS:-
Loadbearing internal walls to be constructed in 100mm solid 4.2N/mm² lightweight conc blk/wk with NAYLOR R6 conc lintels over any openings and dpc overside level linked to dpm and non LB partitions to be constructed in either 100x50 or 75x50mm SW framing with head and sole plates and all necessary studs and nogginns with 12.5mm Gyproc Wallboard 10 with skim finish to both sides and full fill mineral fibre insulation to cavity with min 10kg/m³ density. Provide double joists under stud partitions where running parallel with floor joists.

UPPER FLOOR CONSTRUCTION:-
19mm t & g MR chipboard on engineered timber floor joists as described elsewhere supported off new and existing loadbearing structures as shown. Proprietary joist hangers at joints to timber/bearer connections. Recommended strutting to centre of spans greater than 2.5m long and 2No rows of strutting at equal centres where spans greater than 4.5m long. Provide double joists under parallel stud partitions and double up joists underneath baths. Provide lateral restraint to floors using 30 x 5mm galv MS straps turned down walls and fixed across Min 3No joists at 1.5M c/c fully supported on nogginns min 38mm thick x 3/4 depth of joist with solid pack between first joist and wall. Notch top of joist to receive straps. Provide full perimeter edge support to floor boarding in joists or nogginns.

WINDOWS AND DOORS:-
All new & replacement windows and doors unless specified otherwise to be high performance white pvc to match existing in every respect, double glazed with HP Double Glazed units incorporating gas filled cavities & low-E glass to ensure max 1.4 W/m²K U-Value, fully draft sealed, with opening lights as indicated giving min 100mm floor area natural ventilation. Trickle vents to be provided to give min 5000mm² to habitable rooms and 2500mm² to all other rooms.

GLAZING:-
All glazing to comply with Approved Document K of Building Regs and to BS 5713:1979 and BS EN 1279. Obscure glazing to all bathrooms and 900mm². Windows with sill height less than 800mm from internal floor level. In doors and adjacent side screens to all areas below 1500mm from finished floor level. All windows and doors to be fully draft sealed.

MECHANICAL VENTILATION:-
Provide the following extract rates: Kitchen - 30L/Sec in cooker hoods or 60L/Sec otherwise; Utility - 30L/Sec; Bathrooms/SHWR Rms - 15 litres/sec. Mechanical extract to be manually activated generally and, in windowless accommodation, to be wired thru lighting circuit for automatic activation with min 15 minute overrun in conjunction with 10mm undercut to room door for replacement air.

FIRE SAFETY:-
Provide and install self contained smoke alarms, interconnected, and all wired on an emergency lighting circuit with battery back-up. Incorporate mains indicator light and manual test button. Smoke alarms to be provided at both floor levels no more than 7.5m away from any doors into habitable rooms. Install heat detectors to any kitchens which are open to other accommodation or hallway/stair enclosure. All new first floor windows to habitable rooms to be provided with escape windows of min area 0.33m² with a minimum clear opening height or width of 450mm (ie min clear openings of 450 x 735mm or 735 x 450mm).

ABOVE GROUND DRAINAGE:-
All sanitary fittings to have pvc wastes of the following sizes: SVP's and WC's - 100mm dia in black pvc. Basins - 32mm dia or 40mm if greater than 1.7m from outfall connection. Sinks & Showers - 40mm dia. All wastes to have 75mm deep resealing traps. All fittings to connect to SVP above or at least 200mm below any WC entry. Rodding points to be provided to any lengths of drainage which cannot be reached from any other part of the system. Any branch pipe discharging to a gully to terminate below grate level but above water level.

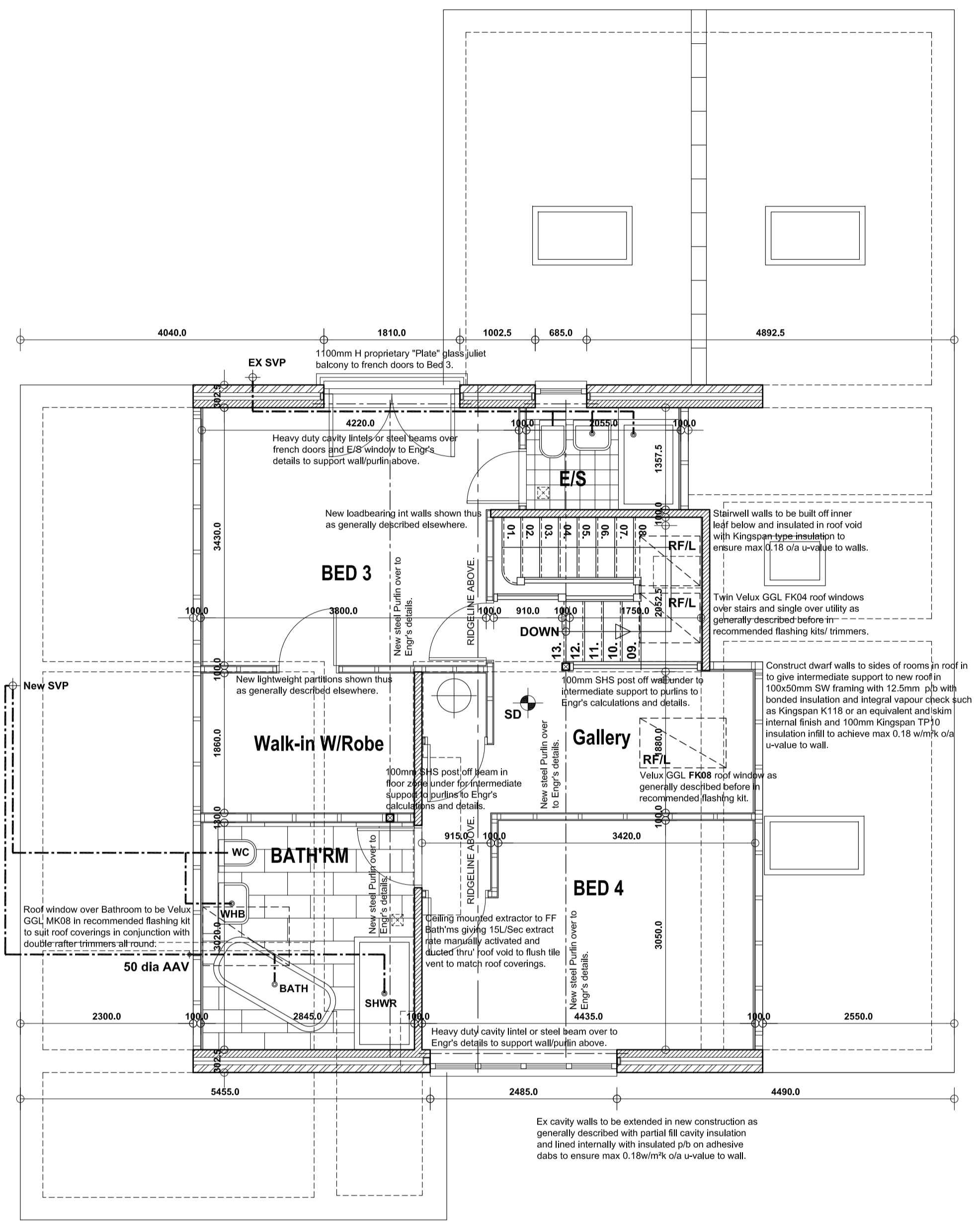
HEATING AND HOT WATER:-
Dwelling to incorporate new central heating system throughout with convector radiators with TRV's and pressurized hot water cylinder with min 100mm foam insulation operating from a high efficiency gas fired balanced flue boiler of min 86% SEDBUK. Space heating control system to comply with regulation G3. British Standards and Codes of Practice and give both thermostatic and timed control via recommended programmable control unit and room stats in suitable positions to suit the recommended zoning of the overall system. Gas appliances to be compliant with The Gas Appliances (Safety) Regulations 1995 and The Gas Safety (Installations & Use) Regulations 1998. Balanced flues to be located in external walls as detailed in Diagram 3.4. Section 3. Approved document J of the current Building Regulations. No combustible material to be installed within 40mm of any flue. Full details to be subject to Mechanical Eng'r's calculations and recommendations to be confirmed prior to relevant work proceeding.

INTERNAL LIGHTING/ELECTRICS:-
New internal lighting to be in accordance with Approved Document L1 and to incorporate high efficacy lighting fittings with lamps giving min luminous efficacy of 75 light source lumens/circuit-watt. All new electrical work to be undertaken in accordance with latest edition of "Wiring Regulations" (BS7671), by qualified/ certified electrician operating under an approved "competent persons" scheme.

STAIRCASE:-
Purpose made timber staircase to be agreed with clients to comply generally with Approved Document K of Building Regs. Refer to plans & sections for specific details regarding number of rises and goings. Max pitch to be 42°. Stair to incorporate 130x equal risers of approx 206.5mm to suit total rise of 2685mm with 250mm goings generally (All subject to site measure prior to manufacture). Handrail height 900mm above pitch line of stair. Guardings to any landings and open sides of flights to be 900mm high above floor level or pitch line. Clear headroom to be 2m above pitch line of stairs. No gaps in any guardings more than 99mm.

Conditional Approval requested for the following:-
* Structural calculations & details from Structural Engineers. All details to be submitted to and approved by Building Control Authority prior to commencing on site with the relevant section of work.

FIRST FLOOR PLAN



F	08/06/2023	FURTHER CLIENT ADJUSTMENTS.
E	15/05/2023	FURTHER CLIENT ADJUSTMENTS.
D	24/03/2023	FURTHER REVS DISCUSSED WITH CLIENTS.
C	30/01/2023	FURTHER REVS DISCUSSED WITH CLIENTS.
B	04/11/2022	DNMS, L'WELL & BED 4 WINDOW CLAIRIFIED.
A	03/11/2022	REVISED AS DISCUSSED WITH CLIENTS.

Revision / Date / Description

34 OSPREY AVENUE, BIRDWELL, BARNSELEY, S70 5SH.

DETAILED PROPOSALS 1 Plans

Mr & Mrs Castley.

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Scale: 1:50 @ A1 Date: JULY 2022
Ref: 202122 Dwg No: 02
0cm 12cm 4cm 16cm