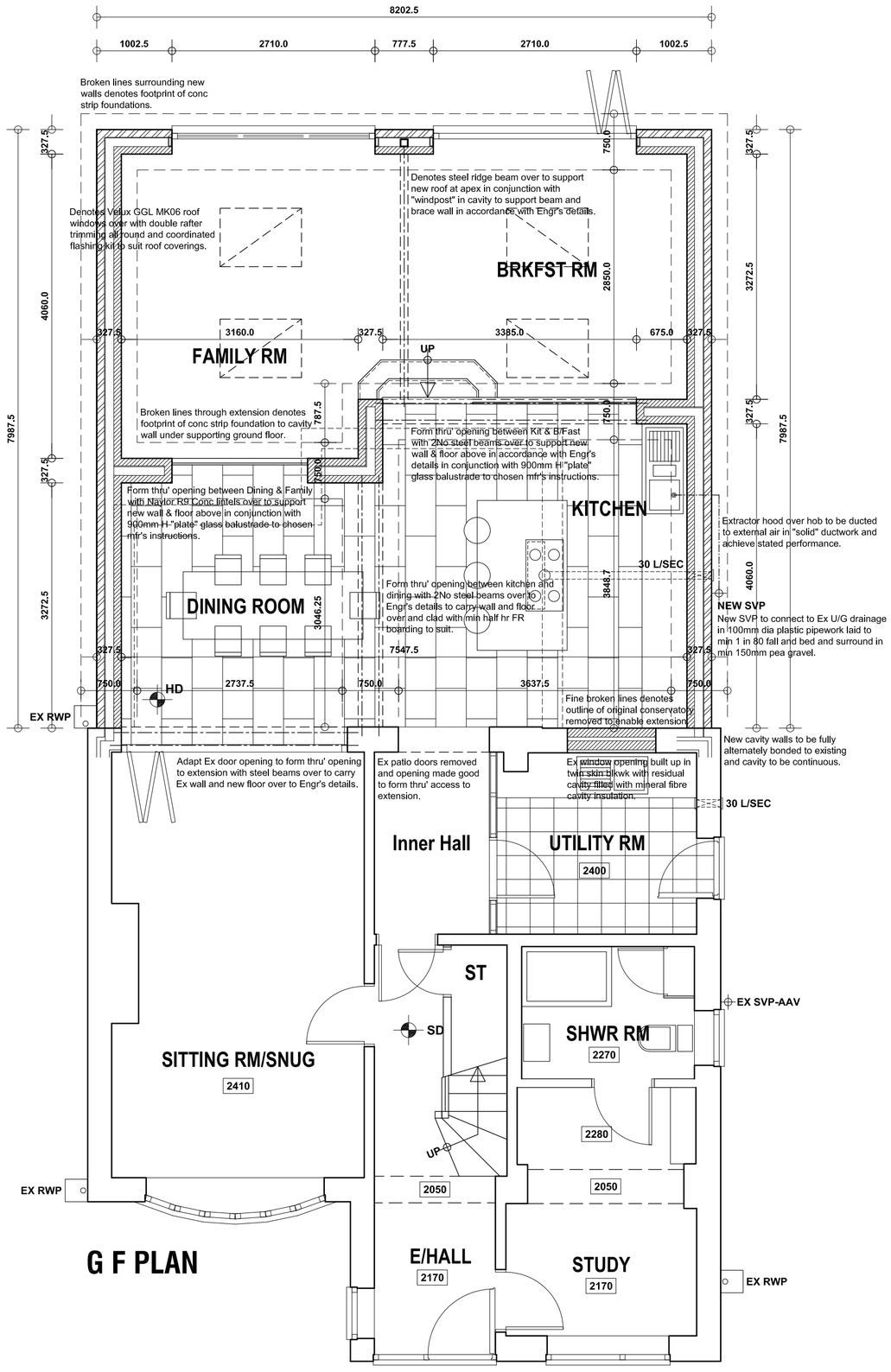
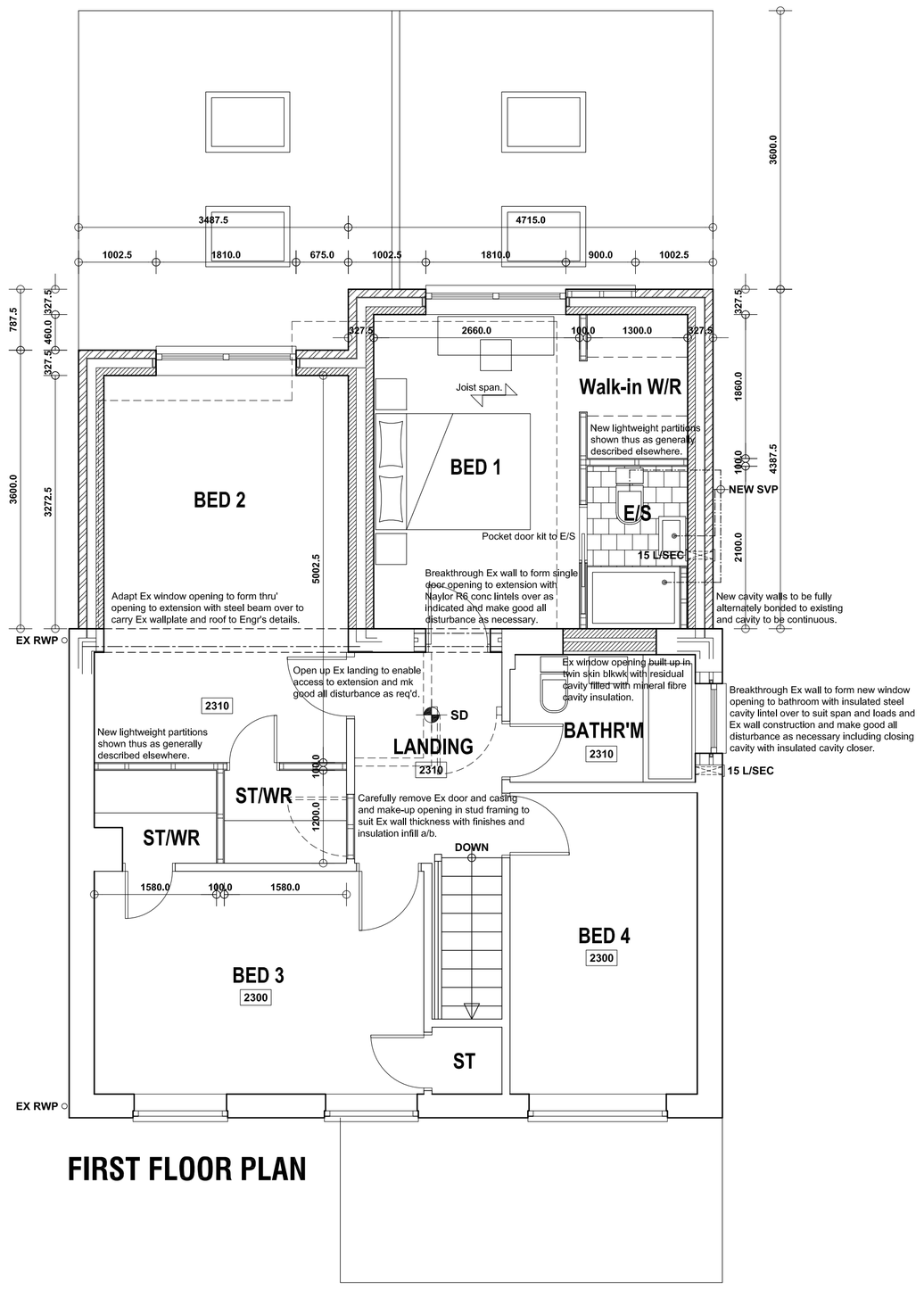
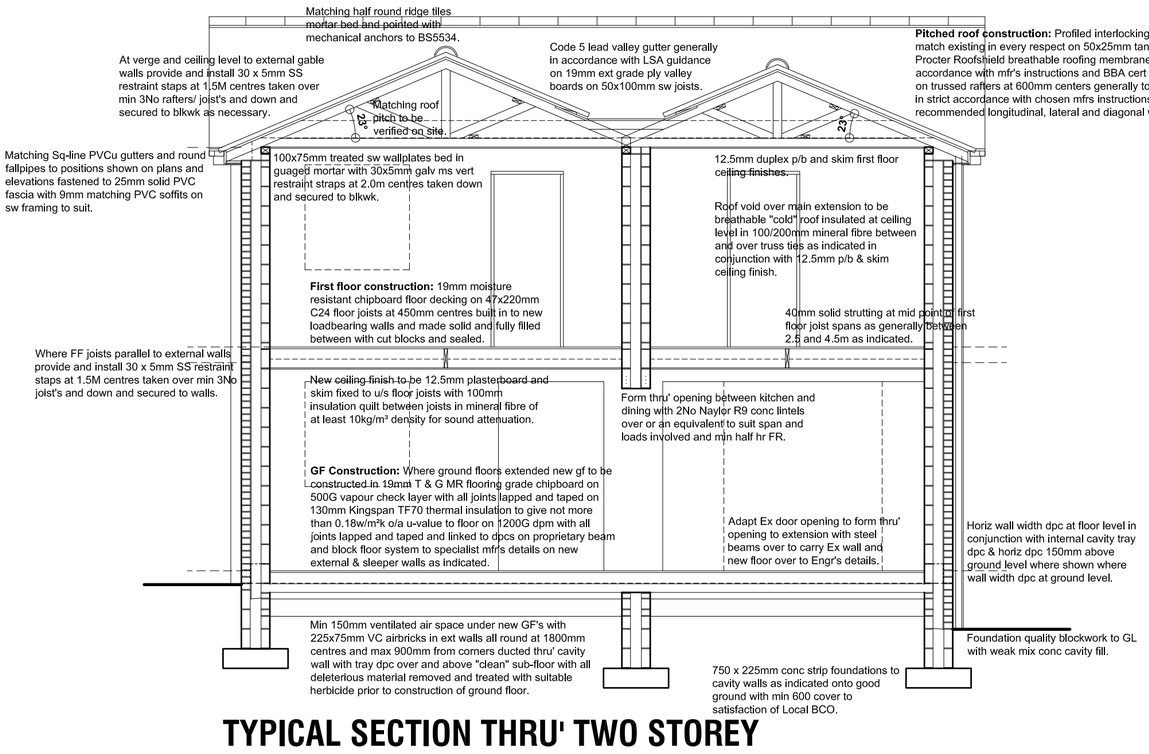
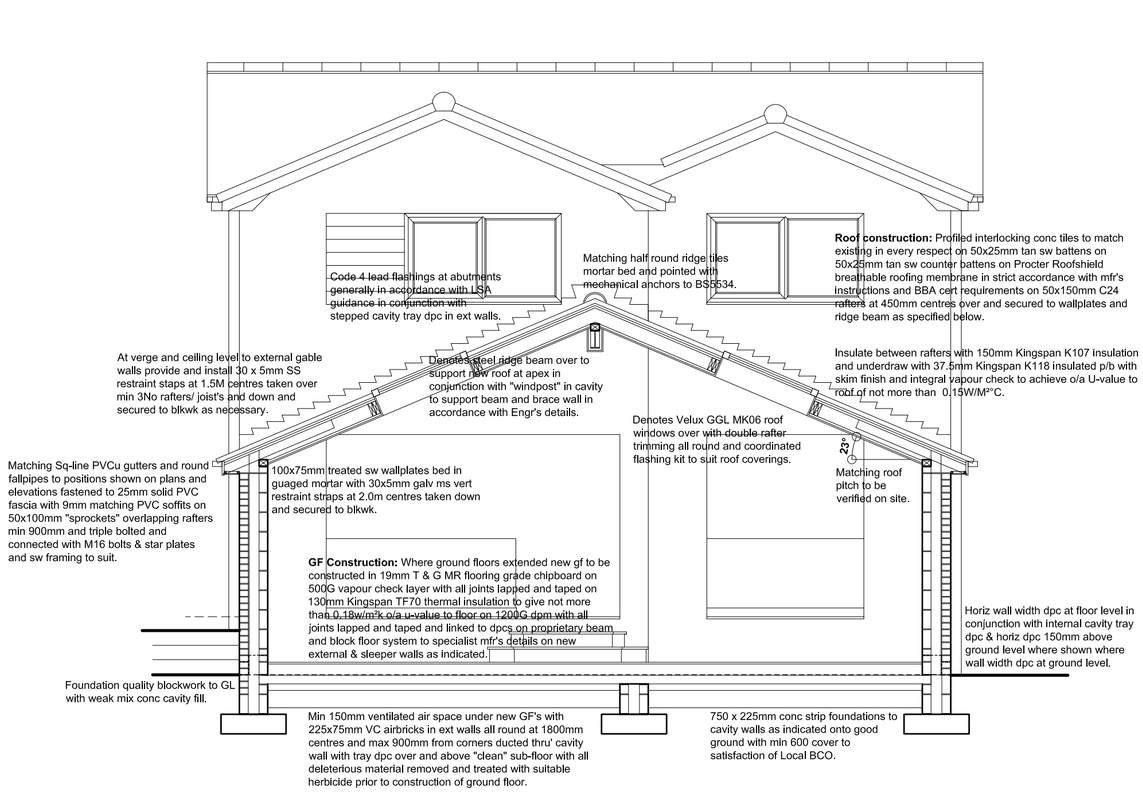






TYPICAL SECTION THRU' TWO STOREY



TYPICAL SECTION THRU' SINGLE STOREY

GENERAL:-

FOUNDATIONS:-
Foundations to be constructed at 750x225mm to new cavity 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 lintols, meter boxes and air bricks with perpend 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 matching facing brick. Internal leaf of 100mm 4.2N/mm² solid lightweight conc blkwk. Generally provide 125mm structural cavity with 115mm full fill cavity insulation board such as Kingspan K106 or an equivalent built-in as work proceeds, BBA certified, to achieve overall U-Value of max 0.18W/m²°c 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 Cavi90 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 manuf'rs recommendations. Provide tray DPC over as before. Any openings with particular lintel requirements indicated on the drawings.

INTERNAL WALLS:-
Internal walls generally to be non-L/B constructed in 75x50mm SW framing with head and sole plates and all necessary studs and noggins with 12.5mm *Gyproc Wallboard 10* with skim finish to both sides and full fill mineral fibre insulation to cavity with min 10kg/m² density. Provide double joists under stud partitions where running parallel with floor joists.

UPPER FLOOR CONSTRUCTION:-
19mm t & g MR chipboard on C24 timber floor joists as described elsewhere supported off new load-bearing structures as shown.
Proprietary joist hangers at joists to trimmer/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 noggins min 38mm thick x 3/4 depth of joist with solid pack between first joist and wall. Notch top of joist to recieve straps.
Provide full perimeter edge support to floor boarding in joists or noggins.

WINDOWS AND DOORS:-
All new & replacement windows and doors unless specified otherwise to be high performance dual-colour PVC or PPC aluminium, double glazed with HP Double Glazed units incorporating gas filled cavities & low-E glass to ensure max 1.2 W/M²°C U-Value, fully draft sealed, with opening lights as indicated giving min 1/20th floor area natural ventilation. Trickle vents to be provided to give min 8000mm² to habitable rooms, 4000mm² to all other rooms and at least 3No 8000mm² vents to living-kitchen.

GLAZING:-
All glazing to comply with Approved Document K of Building Regs and to all relevant parts of BS EN 1279.
Obscure glazing to all bathrooms and WC`s.
All glazing to critical areas to be Kitemarked safety glass as follows:-
Windows with cill 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 hood or 60L/sec otherwise; **Utility** - 30L/sec; **Bathrooms/Shwr Rms** - 15 litres/sec. Mechanical extract to be manually activated generally and, in windowless accomodation, 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.

SD/HD

FIRE SAFETY:-
Provide and install self contained smoke alarms, interconnected, and all wired on an exclusive mains 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 and any replacement 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 gulley to terminate below grate level but above water level.

HEATING AND HOT WATER:-
Existing gas fired central heating system to be adapted extended and improved to suit by a registered plumbing contractor.
All primary pipework to be insulated in accordance with current regulations.
Heating system to be controlled by thermostatic rad valves and existing room-stats and timers and boiler interlock.
All non-room sealed heating appliances to have permanent ventilation to relevant rooms in accordance with manufacturers requirements.
Space heating control system to comply with regulation G3, British Standards and Codes of Practice.
No combustible material to be installed within 40mm of any flue.

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.

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.

UPDATED BUILDING REGS (BUILDING SAFETY ACT) & CDM:-
New guidance applies to Building Regulations in relation to the Building Safety Act and domestic clients are required to engage a Principal Contractor and/or a Principal Designer(s) to oversee building regs' compliance and the health and safety implications of the works to their house and coordinate any constructional changes during the works.

Revision	Date.	Description.
B	14/05/2024	FURTHER CLIENT REQUIREMENTS INTEGRATED.
A	24/04/2024	REVISED AS DISCUSSED WITH CLIENTS.

18 ST MARY'S GARDEN,
WORSBROUGH VILLAGE,
BARNSLEY, S70 5LU.

DETAILED PROPOSALS 1
Plans & Section.

Mr & Mrs Oldknow.

Building Design Services

JE Architectural Ltd
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Email: jealtd@virginmedia.com

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Scale: 1:50 @ A1	Date: APRIL 2024
Ref: 202316	Drwg No: 02

0 cm | 2 cm | 4 cm | 6 cm