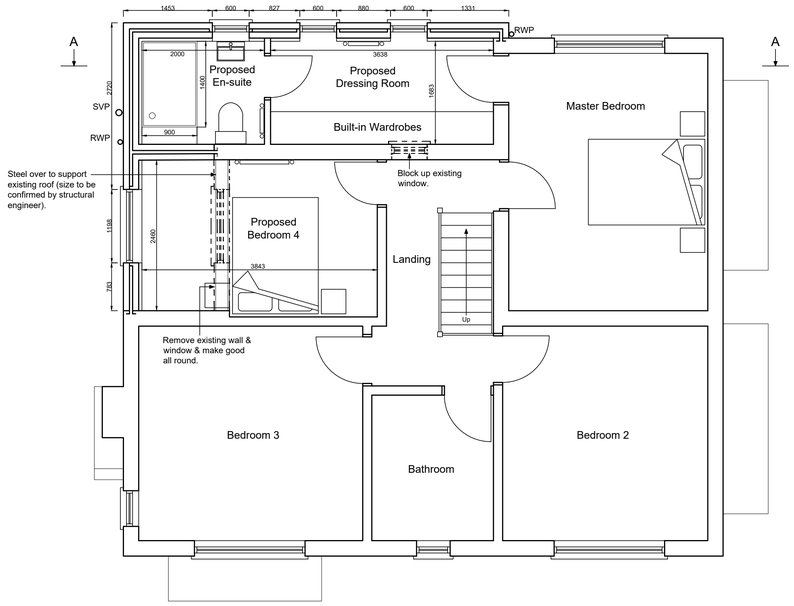


Form new stud walling in 75 x 50mm timber studs and noggings with 12.5mm plasterboard & skim to both sides (mass to be 10kg/m2 or better) and 25mm mineral wool insulation to voids (minimum density to be 10kg/m3).

Mains fed smoke detectors on each storey level, all interlinked with battery back up.

S.v.p. drainage run to be checked on site & if necessary fit new drainage run & manhole. Ensure s.v.p. is extended to a minimum of 900mm above any opening window.

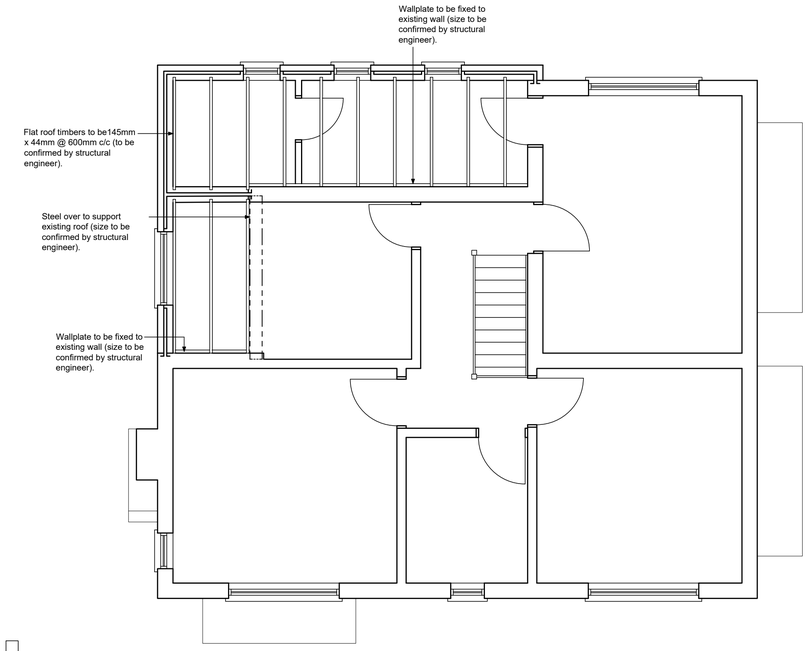
Provide 15l/s mechanical ventilation to en-suite operated via light pull and having 15 minute over-run facility.

External walls to have additional insulation internally using 40mm insulation board bonded to 12.5mm plasterboard and skim to inner face. U Value to be 0.28 W/m2K or better.

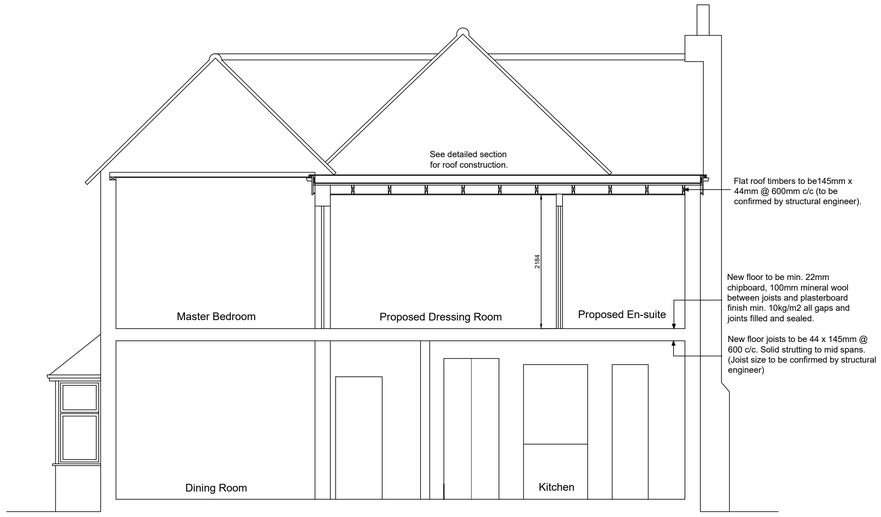
New floor joists to be 44 x 145mm @ 600 c/c (to be confirmed by structural engineer). Solid strutting to mid spans.

Escape window to bedroom to have an unobstructed openable area min. 0.33m2 and min. 450mm high & 450mm wide. Bottom of openable area to be no lower than 600mm, no higher than 1100mm above floor level.

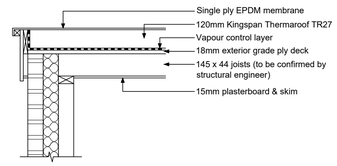
Proposed First Floor Plan



Proposed Roof Plan



Proposed Section Through A - A



Section - warm deck flat roof (1:20)



Proposed Rear Elevation (1:100)



Proposed LH Side Elevation (1:100)



Proposed Front Elevation (1:100)



Proposed RH Side Elevation (1:100)

BUILDING REGULATION COMPLIANCE NOTES.

FIRST FLOOR WALLS TO BE BUILT UP OFF EXISTING. CAVITY WALL CONSTRUCTION TO BE 100mm FACE BRICKWORK OUTER LEAF, 50mm CAVITY FULLY FILLED WITH BLOWN FIBRE, 100mm THERMALITE SHIELD BLOCK INNER LEAF WITH CEMENT / SAND RENDER INTERNALLY. CHECK EXISTING FOUNDATIONS & LINTELS WILL SUPPORT NEW WALL & ROOF STRUCTURE ON SITE.

ROOF CONSTRUCTION:
WARM DECK FLAT ROOF CONSTRUCTION AS DETAILED SECTION. U VALUE TO BE 0.18 W/m2K OR BETTER.

IF EXISTING WALL IS SOLID CAVITY TRAY TO BE FITTED WHERE NEW WALLS ARE BUILT ON EXISTING.

GALVANISED TIES TO FLOOR JOISTS AT FIRST FLOOR LEVEL WHERE THEY RUN PARALLEL TO EXTERNAL WALL AT MAX. 2000mm c/c & CROSSING MIN. 3 No. MEMBERS ALL ON NOGGINGS MIN. 38mm THICK.

S.S BUTTERFLY WALL TIES AT 900c/c HORIZONTALLY, 450c/c VERTICALLY & 225mm c/c AT OPENINGS.

CATNIC WALL TIES TO TIE NEW EXTENSION TO EXISTING BUILDING.

THERMAL RESISTANCE OF 0.45 TO CAVITIES TO LIMIT COLD BRIDGING.

STANDARD CATNIC LINTELS OVER OPENINGS ALL IN ACCORDANCE WITH MANUFACTURERS INSTALLATION DETAILS.

30 x 5mm GALV. STRAPS TO WALLPLATES, AT CEILING & RAFTER LEVEL AT 2000mm c/c CROSSING MIN. 3No. MEMBERS.

PROVIDE AND FIT SMOKE DETECTORS AS INDICATED ON DRAWING TO BUILDING REGULATION REQUIREMENTS TO BS 5839.

ALL NEW INTERNAL DOORS TO BE UNDERCUT BY 10mm FOR VENTILATION.

ALL FOUL DRAINAGE IN 100mm DIA. POLY PIPEWORK AT 1:40 FALLS, BED & SURROUND IN PEA GRAVEL. PROVIDE NEW POLY INSPECTION CHAMBERS WHERE REQUIRED.

ANY NEW WASTE PIPEWORK TO BE TO BS5254 & BS5572. FITTINGS TO BATHS AND SHOWERS TO BE 40mm DIAMETER WASTES & 32mm DIAMETER TO HAND BASINS, ALL WITH 75mm DEEP-SEAL TRAPS. ANY NEW HOT WATER TAPS TO BE FITTED ON THE LEFT.

NEW FLOOR CONSTRUCTION TO CONSIST OF 22mm MOISTURE RESISTANT T & G CHIPBOARD WITH 100mm FIBREGLASS LAID BETWEEN JOISTS WITH MINIMUM MASS OF 10Kg/m2. ALL GAPS AND JOINTS TO BE FILLED AND WELL SEALED.

WINDOWS TO BE DOUBLE GLAZED SEALED UNITS IN UPVC FRAMES WITH OPENING LIGHTS MIN. 1/20 RESPECTIVE FLOOR AREAS AND TRICKLE VENTS TO HEADS, MIN. 8000mm2 FREE AIR. ALL WINDOWS TO COMPLY WITH NEW PART L REQUIREMENTS, (U VALUE OF 1.6W/m2/K OR BETTER). ANY NEW WINDOWS TO HAVE LOW E COATING. GLAZING IN CRITICAL LOCATIONS TO BS 6206 1981 (SAFETY GLASS).

ALL SURFACE WATER DRAINAGE TO RUN INTO EXISTING GUTTER & DOWNPIPES IF POSSIBLE. ANY NEW GUTTERS TO BE 120mm & DOWNPIPES TO BE 75mm DIAMETER.

ALL OPENINGS IN THE BUILDING ENVELOPE TO BE FITTED WITH DRAUGHT EXCLUDERS. THE BUILDING IS TO BE BUILT IN A REASONABLY AIR TIGHT MANNER. ALL NEW RADIATORS TO HAVE TRV'S.

ALL WORK REQUIRED TO COMPLY WITH APPROVED DOCUMENT P IS TO BE CARRIED OUT BY A PERSON COMPETENT TO DO SO. A CERTIFICATE ISSUED BY A COMPETENT PERSON TO PROVE THAT THE WORK HAS BEEN INSTALLED, TESTED AND FOUND TO COMPLY WITH PART P WILL BE REQUIRED BY BUILDING CONTROL ON COMPLETION.

CONFIRM THAT THERE WILL BE ENERGY EFFICIENT LIGHTING PROVIDED WITH LAMPS OF LUMINOUS EFFICACY GREATER THAN 40 LUMENS PER CIRCUIT WATT, AT LEAST 3 IN 4 FITTINGS.

NOTE:
THIS DRAWING IS INTENDED FOR CONSULTATION PURPOSES ONLY AND IS SUBJECT TO CHANGE. WORK SHOULD NOT BE STARTED UNTIL FULL APPROVAL UNDER BOTH PLANNING & BUILDING REGULATIONS IS GRANTED.
All dimensions are approximate and to be checked on site.

	Revisions	Date

Mr & Mrs T Rimmington
100 Ilkeston Road
Heanor
Derbyshire
DE75 7DT

Project.
Proposed Second Floor Extension at 100 Ilkeston Road, Heanor

Date.
15 May 2022

Scale.
1:20, 1:50 & 1:100

Drawing No.
SR/22/02