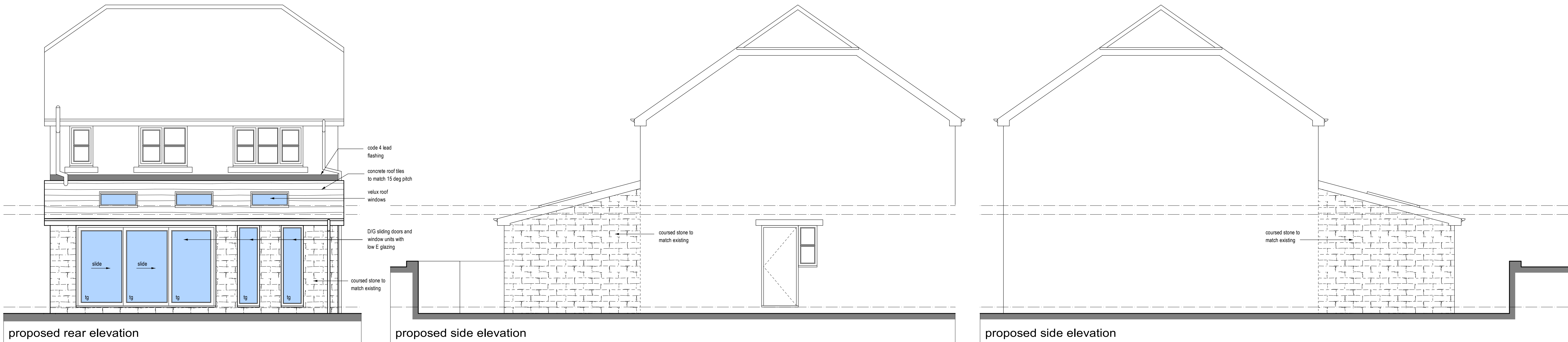
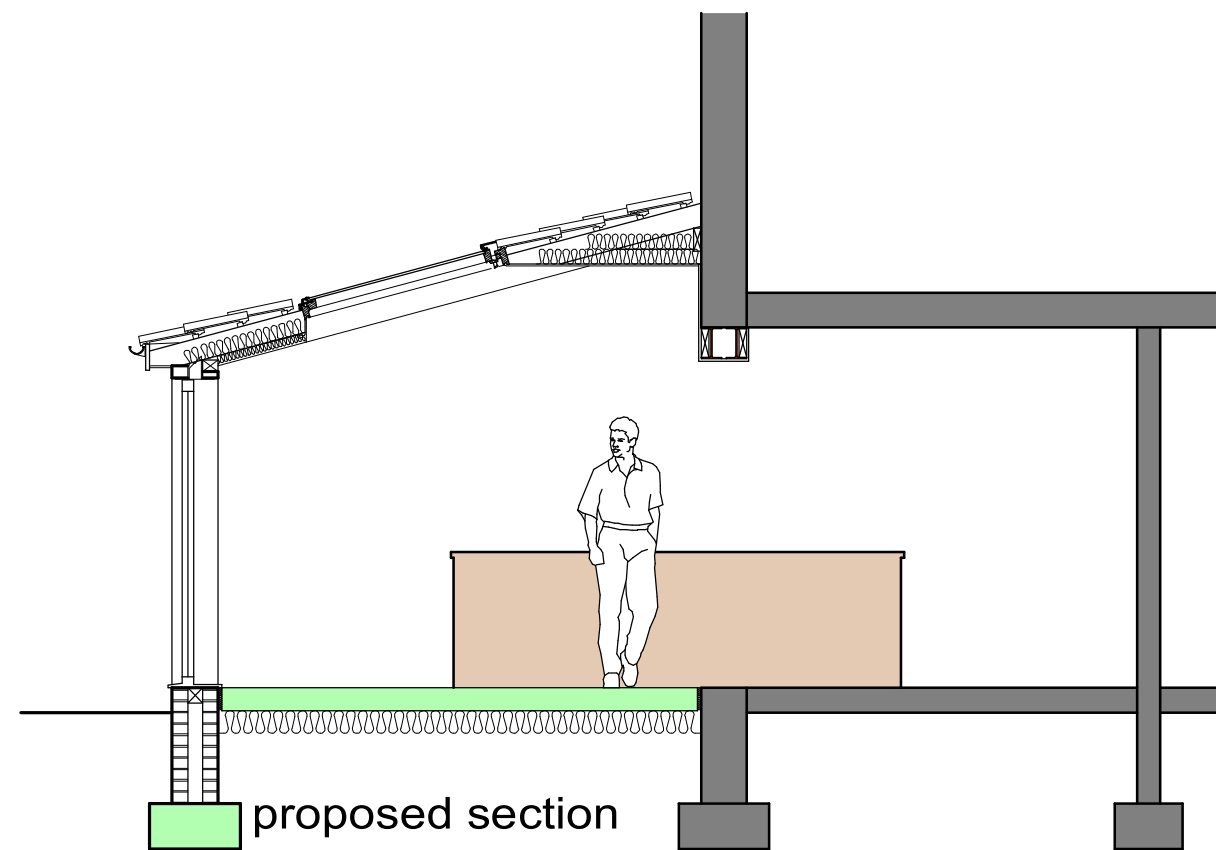




proposed rear elevation

proposed side elevation

proposed side elevation



Ventilation: Unless otherwise stated, room ventilation will be provided by natural means. Windows to incorporate: opening lights at least equal to 1/20th floor area, along with controllable trickle vents with an equivalent area of 5,000mm<sup>2</sup>. Where opening restrictors are to be provided the opening lights to be increased in size to 1/10th of the room floor area. Wet room areas to be afforded mechanical extract ventilation using the following extract rates:

|                         |                                     |
|-------------------------|-------------------------------------|
| Kitchen                 | 30 Litres/sec (adjacent to the hob) |
| 60 Litres/sec elsewhere |                                     |
| Utility Room            | 30 Litres/sec                       |
| Bathroom                | 15 Litres/sec                       |
| Sanitary accommodation  | 6 Litres/sec.                       |

In addition, controllable trickle vents with equivalent area of area of 2,500mm<sup>2</sup>. All extracts to open air. Extractor to have min 15 mins over run and to be connected to light switch.

Self-contained mains powered smoke detectors (rechargeable battery backed up) in accordance with BS5839-6: 2004 - Grade D - category LD3 standard to be provided to each level as indicated by 'SD' on floor plans. All alarms to be interlinked and wired to separate sub circuit on mains distribution board. Smoke alarms to be situated within 3.0m of bedroom doors and 7.5m of all other habitable rooms. NOTE - all smoke detectors are to be positioned so that they can be reached for maintenance and testing i.e. not over stairs etc.

ALL STEELWORK TO BE READ IN CONJUNCTION WITH SE CALCULATIONS

Investigate exg drainage system and determine if separate or combined. New connections to be made to the appropriate drainage systems where separate i.e. foul to foul, sw to sw.

Carbon monoxide monitor required for all boiler and fires installations

lounge

wc

utility

kitchen

dining

conservatory

existing conservatory to be demolished

If the ground is suitable, a soakaway for the rainwater drainage must be used. It must be minimum of 5m from any building. If the ground isn't suitable for a soakaway, please note that foul and surface water drainage provisions will need to be kept separate

lounge

wc

utility

dining

form opening in existing rear wall and install new steel beams over to SE design

HD

C24 150x50mm sw rafters at 400mm C/C double up rafters to the side of velux.

980x1400 velux

980x1400 velux

980x1400 velux

heavy duty catnic lintel over

catnic lintel over

catnic lintel over

rwp connect back to the existing surface water

Foundations: 600 x 300mm concrete trench fill taken down to firm bearing strata at min 900mm below ground level. Foundations to be taken down to invert of any drain within 1000mm of excavation.

Drainage: New drains bridged where passing through footings. Drains passing under building to be encased in 150mm concrete. All new drainage to be 100mm diameter Polypipe Underground or similar drainage system. Pipes laid to self cleansing fall on 150 bed pea shingle. New gullies to be roadable NB Drainage systems to be checked on site to determine - combined or separate systems - if separate ensure foul and surface water are connected to correct drainage system.

Ground Floor Construction rear extension: 150mm concrete slab with floated finish on visqueen on 120mm Celotex XR4000 or equivalent floor insulation on 1200 gauge DPM lapped into DPC on 25mm sand blinding on consolidated hardcore. Provide 25mm ridged insulation to the edge of slab. Provide 100mm dia duct pipe through to air bricks with cavity trays over to vent any exg air bricks. U Value to be 0.18W/m<sup>2</sup> K

Lighting: One third of the primary light fittings in the proposed extension (minimum one) to be of a type which will only receive high efficiency lamps.

Structural Steel: All structural steel to be encased in a Fireline plasterboard to give minimum half hour fire protection.

Doors and Windows: All new windows to be double glazed and have trickle vents not less than 6000mm<sup>2</sup>. All windows adjoining a door or a glazed door or less than 800mm above floor to be in toughened glass to BS6206 or EN12150. New and replacement windows and roof lights fully draught proofed & double glazed in Optiwhite (outer pane) 16mm argon filled air space with aluminium spacer bar with an inner pane of low emissivity 'K' glass to give a 'U' value of 1.4w/m<sup>2</sup> K or window energy rating band C Certificates of compliance to be provided to building control on completion. New windows to habitable rooms without alternative at least 1no opening light with a clear opening of 450 x 750mm. Top hung Windows to have assist arms and stays to keep up

External Walls traditional: Coursed stone to match the existing outer leaf 100mm cavity with 90mm Eco-Cavity Full Fill. 10mm cavity - 100mm light block inner leaf dry lined in 12.5mm plasterboard and skim on Drywall dabs. Stainless steel double triangle wall ties (min 59mm embedment) 750mm horizontal c/c & 450 vertical c/c staggered and doubled up at all window and door reveals. Cavities to be closed at all reveals and at saves - using Thermabate insulated cavity closers. NB all masonry below ground level to be in concrete common brick. DPC to be fixed at min 150mm above ground level. Provide cavity fill to 225mm below damp proof course.

Flashings: Code 4 lead stepped and straight flashings with DPC cavity trays over at all abutments.

Heating: Mode of heating to extension as yet unknown if a new boiler to be fitted this is to have a Class A SEDBUK energy efficiency rating. NB All plumbing work to be carried out by GAS SAFE registered installer Hot water & heating systems to comply with Domestic Heating Compliance guide. Provide a carbon monoxide monitor.

Main Roof Construction (Rear extension): Roof tiles to match existing and (15 deg pitch) on sw tanalised battens on Kingspan Nilvent 17 Breathable Membrane with counter batten on C24 150x50mm sw rafters at 400mm c/c. 100 x 75 wall plates bedded on and strapped to blockwork @ 2000mm centres. 300mm Rockwool insulation laid in 2no layers between and across ceiling joists - pack eaves with insulation. Ceiling joists underdrawn 12.5mm plasterboard and skim. Vaulted section Fix 125mm Kingspan K7 insulation tight between rafters ensuring 25mm air space is maintained over insulation. Fix 42.5mm Kingspan Kooltherm insulation across rafters to eliminate cold bridging - 500 gauge visqueen vapour barrier over insulation - fix 12.5mm plasterboard with 3mm plaster skim. U Value to be 0.15W/m<sup>2</sup> K

APPROVED DOCUMENT L1 (2005) From the 1st April 2005, All new and replacement natural gas and LPG boilers are required to have a minimum SEDBUK (Seasonal Efficiency of Domestic Boilers in the UK) rating of 86% From the 1st April 2005 Oil fired boilers must have a minimum SEDBUK rating of 86%. Exceptional Circumstances permitting the installation of a Non-Condensing boiler. The installer must complete an 'Assessment form' using the procedure described in the document 'Guide to the Condensing Boiler Installation Procedure for dwellings' (COFPM 2005) The declaration should be retained by the householder as it may be needed when the property is offered for sale. All electrical work required to meet the requirements of Part P (electrical safety) will be designed, installed, inspected and tested by a person competent to do so. Prior to completion the Local Authority must be satisfied by either:- An electrical installation certificate issued under a Competent Person Scheme has been issued; or Appropriate certificates and forms defined in BS 7671 (as amended) have been submitted that confirm the work has been inspected and tested by a competent person. A competent person will have a sound knowledge and experience relevant to the nature of the work undertaken and to technical standards set down in BS 7671, be fully versed in the inspection and testing procedures contained in the regulations and employ adequate testing equipment.

Any new gas boiler to be min 90% SEDBUK condensing wall mounted with balanced flue/stainless steel guard to outlet. Flues discharge in accordance with manufacturers instructions & to Building Regulations ADJ. Copy of the Building Regulations Compliance Certificate from your GAS SAFE installer to be provided. All new radiators to be provided with thermostatic valves.

This drawing has been prepared for the sole purpose of obtaining Planning Permission and Building Regulation Approval ONLY. All structural calculations are to be checked by structural engineer prior to construction.

All dimensions & details are to be checked on site prior to construction, any discrepancies reported to ExtensionsNW prior to any work undertaken. Any work undertaken prior to full planning & building regulation approval is at the builders own risk. ExtensionsNW will not be held responsible for any problems arising.

This drawing is the copyright of ExtensionsNW and any reproduction in whole or part is strictly forbidden. Plotted on 12/11/2024. ExtensionsNW reserve the right to modify and make necessary alterations dependent on site conditions.

|      |  |
|------|--|
| D    |  |
| C    |  |
| B    |  |
| A    |  |
| DATE |  |

|            |               |
|------------|---------------|
| SCALE 1:50 | DATE Oct 2024 |
| DRAWN JDJ  | PP B.R        |

|                 |                                     |
|-----------------|-------------------------------------|
| CUSTOMER        | Mr & Mrs Dunn                       |
| PROJECT         | Extension to the rear               |
| LOCATION        | 45 Tonge Meadow, Middleton, M24 2UR |
| LOCAL AUTHORITY |                                     |

|                                                                                                                                    |      |
|------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>Extensions</b><br>NW                                                                                                            |      |
| 3 Cribbus Street, Rawtenstall, Boscobel, BB4 6EJ<br>Mob: 07968438495<br>Web: www.extensionsnw.co.uk E-mail: jpc@extensionsnw.co.uk |      |
| JOB No. 3469 - 01                                                                                                                  | REV. |

existing ground floor plan

proposed ground floor plan