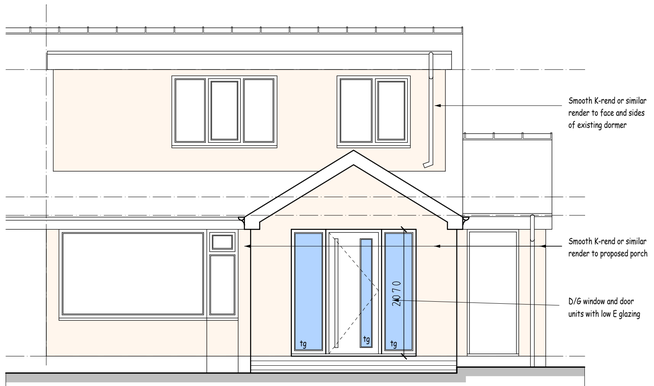
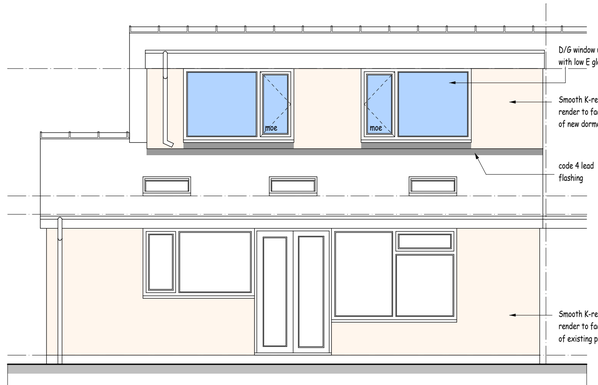
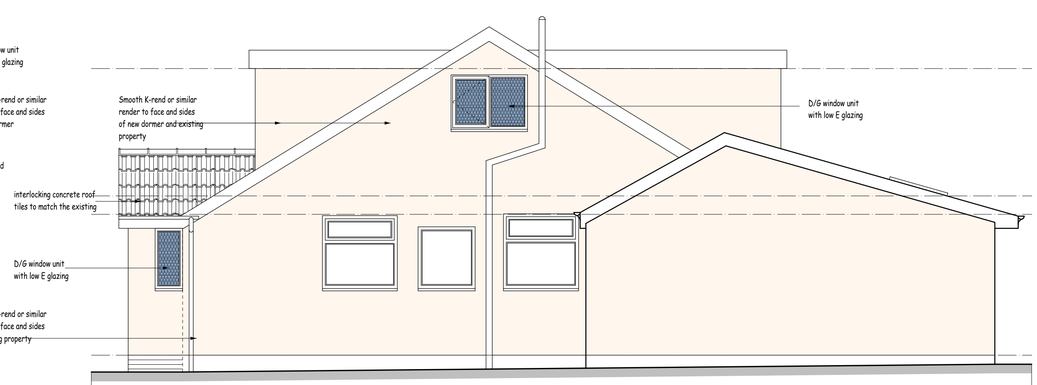


proposed front elevation



proposed rear elevation



proposed side elevation

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 gullys to be roddable 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 Main:
18mm asphalt screed on 100mm concrete slab on visqueen on 110mm 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.

External Walls traditional:
Smooth K-rend or similar render finish on 100mm concrete blockwork outer leaf 100mm cavity with cavity wall batts - 100mm thermolite 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 eaves - 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.

Doors and Windows:
All new windows to be double glazed and have trickle vents not less than 8000mm2. All windows ajoining 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 emissity 'K' glass to give a 'U' value of 1.6w/m²k 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

Pitched Roof Construction: (Porch)
Unvented Cold Roof Concrete roof tiles on 38 x 25mm tanalised battens on Du Pont Tyvek breathable roof membrane on standard fink trusses @ 600 centres. 12.5mm plasterboard and skim finish to underside. provide 300mm quilt insulation between between and above ceiling joists.

Structural Steel:
All structural steel to be encased in a minimum 18mm Gypsum plaster to give minimum half hour fire protection.

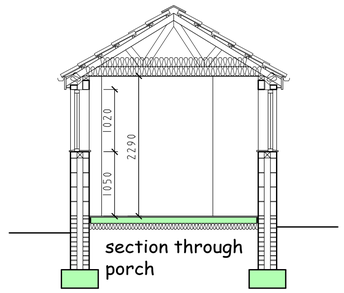
Heating:
Mode of heating to extension as yet unknown if a new boiler to be fitted this is to have a Class A SEDBUK energy efficiency rating. NB All plumbing work to be carried out by GAS SAFE registered installer Hot water & heating systems to comply with Domestic Heating Compliance guide.

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

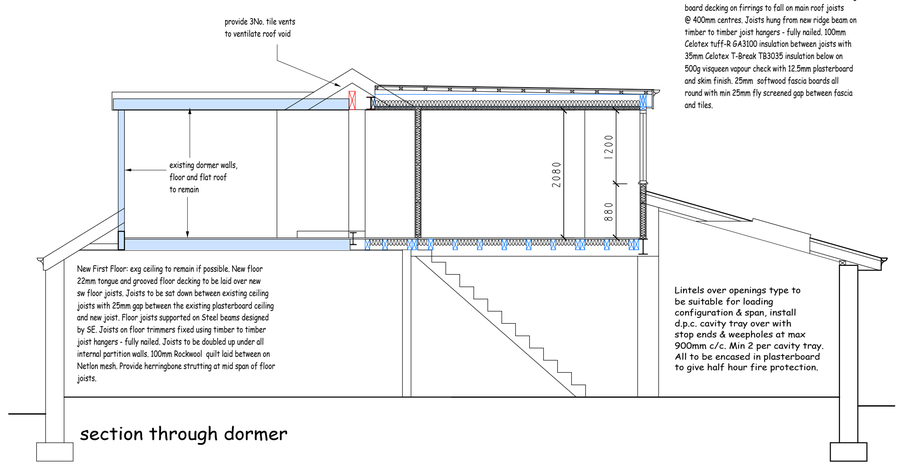
Lighting:
One third of the primary light fittings in the proposed extension (minimum one) to be of a type which will only receive high efficiency lamps.

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 5,000mm2. 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 2,500mm2. All extracts to open air.

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 d istribution 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.

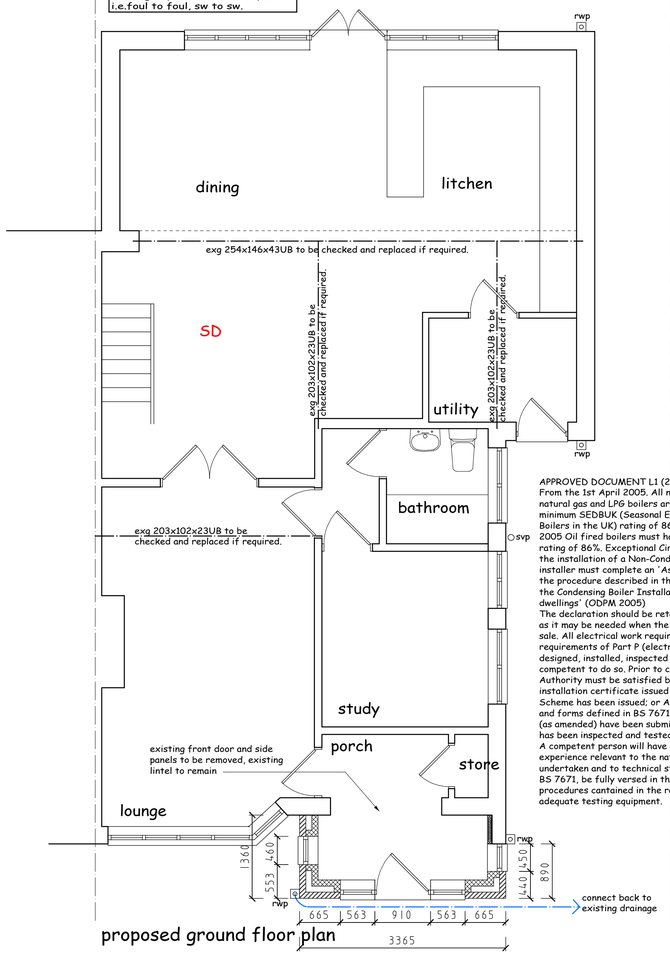


section through porch



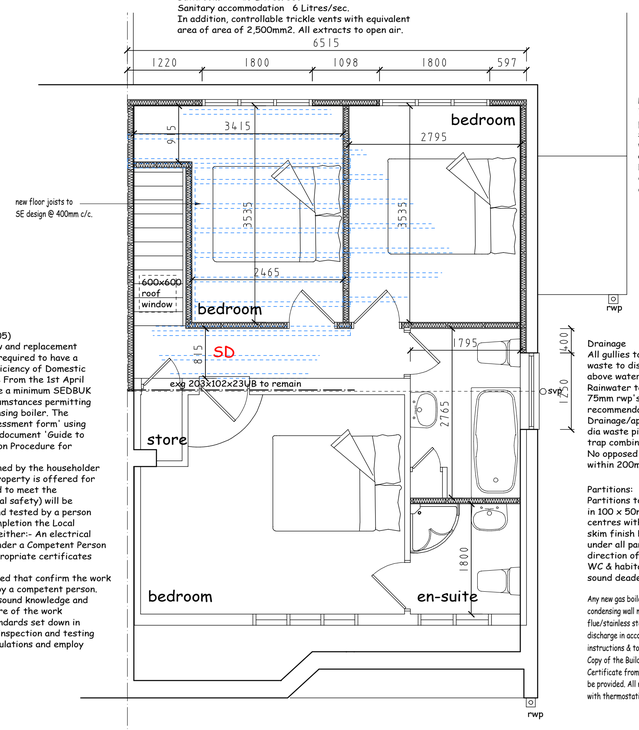
Flat Roof: New GRP finish to flat roof on 18mm sterling board decking on firrings to fall on main roof joists @ 400mm centres. Joists hung from new ridge beam on timber to timber joist hangers - fully nailed. 100mm Celotex tuff-R GA3100 insulation between joists with 35mm Celotex T-Break TB3035 insulation below on 500g visqueen vapour check with 12.5mm plasterboard and skim finish. 25mm softwood fascia boards all round with min 25mm fly screened gap between fascia and tiles.

section through dormer



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' (ODPM 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.

proposed ground floor plan



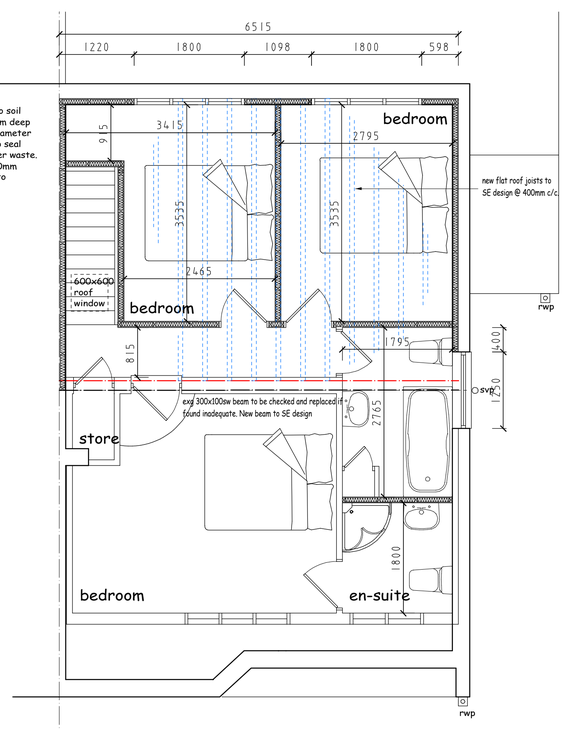
proposed first floor plan

Plumbing to new bathrooms:
WC to have 100mm connection to soil pipes. bath, shower to have 75mm deep seal anti vac traps with 38mm diameter wastes basin to have 75mm deep seal anti vac trap with 32mm diameter waste. NB combined wastes minimum 50mm diameter. All wastes bossed on to existing soil pipe.

Drainage
All gullies to be back inlet & roddable waste to discharge below grating but above water line.
Rainwater to be min 100mm gutters to 75mm rwp's installed to manufacturers recommendations
Drainage/appliances to have min 38mm dia waste pipe with re-sealing anti-vac trap combined waste to be min 50mm
No opposed waste connections to be made within 200mm of WC connection

Partitions:
Partitions to first floor level formed in 100 x 50mm studding at 400 centres with 12.5mm plasterboard and skim finish both sides. Double joists under all partitions running in direction of joists. All walls between WC & habitable rooms to have 50mm sound deadening insulation between.

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.



proposed first floor roof plan

Dormer Walls: Smooth K-rend finish or similar on mesh on 38 x 25mm treated battens over YBS insulation Breather Foil FR stapled to 11mm sterling board sheathing on 100 x 50mm treated studding @ 400mm centres - 100mm Celotex RXR insulation fixed tight between studs with 500g visqueen vapour check and 12.5mm plasterboard and skim finish internally. Front wall built off wall plate cheeks built up off dividing wall. 150 x 100mm lintols over window opening supported on cripple studs.Code 3 lead flashing under fascia, above and under windows. Code 4 lead sookers and flashings to front wall and cheeks. N.B. Dormer cheeks to have 2 layers of 9mm firmacel fire resistant board over 11mm sterling board sheathing and 2 layers of 12.5mm plasterboard and skim internally.

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 check 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.

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Plotted on 07/04/2019
ExtensionsNW reserve the right to modify and make necessary alterations dependent on site conditions.

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A		
	DATE	

SCALE 1:50	DATE March 19
DRAWN JDJ	P.P B.R

CUSTOMER
Mr & Mrs Burgess

PROJECT
Dormer, porch extensions & rendering

LOCATION
30 Warwick Road, Middleton. M24 1HX

LOCAL AUTHORITY
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JOB No. 2530 - 02 REV.