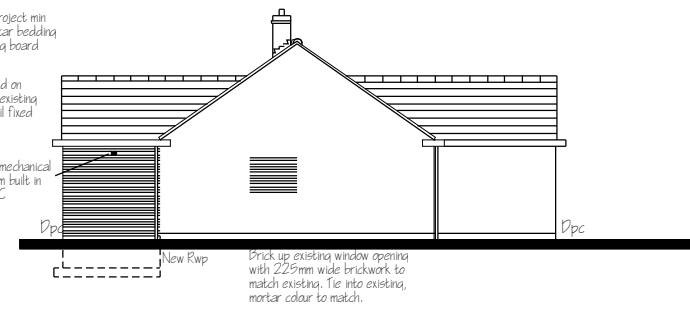
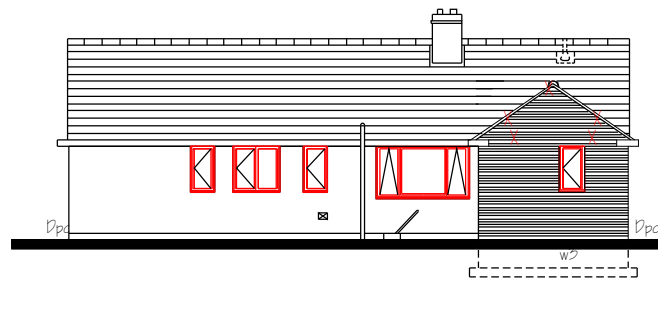


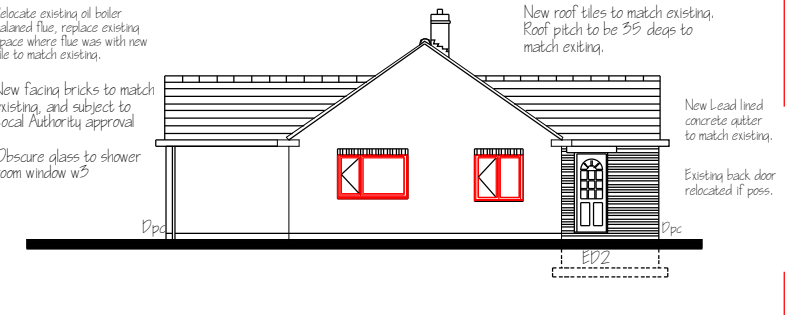
PROPOSED FRONT ELEVATION



PROPOSED SIDE ELEVATION



PROPOSED REAR ELEVATION



PROPOSED SIDE ELEVATION

VENTILATION NOTES

Ventilation to habitable rooms equivalent to one-twentieth of floor area with some part of ventilation at least 1.75m above the floor level, and in addition 6000mm<sup>2</sup> background ventilation.

Intermittent mechanical ventilation to kitchen at 60 litres/sec (or 50 litres/sec where cooker hood) with 4000mm<sup>2</sup> background ventilation, or continuous mechanical background ventilation of normally one air change per hour.

Intermittent mechanical ventilation at 15 litres/sec to bedrooms including shower rooms, in addition to 4000mm<sup>2</sup> background ventilation.

INTERNAL DRAINAGE NOTES

All drainage to BS5572. Bath, shower and sink wastepipes, 50mm minimum diameter and wash-joint base 32 mm minimum diameter solvent welded. Where 50mm waste exceeds 9000mm, or 32mm waste exceeds 1700mm, pipe sizes increased by one size. All traps to have 75mm deep seals with access for cleaning.

SURFACE WATER DRAINAGE

Soakaway to be min 4500mm away from building 1500mm dia by 900mm deep filled with granular material with 1200g plastic cover with topsoil / turf cover of min 900mm<sup>2</sup>.

UPGRADE EXISTING WALL CONSTRUCTION

225mm Facing brick leaf  
50 mm Celotex FB<sup>1</sup> insulation  
15 mm Plasterboard on site studs

GROUND FLOOR CONSTRUCTION

50mm Sand cement screed  
50 mm Polyslan Plus SE floor insulation  
150mm thick concrete floor slab  
1200 gauge Polythene DPM  
50mm thick sand blinding  
150mm thick selected hardcore

CAVITY WALL CONSTRUCTION

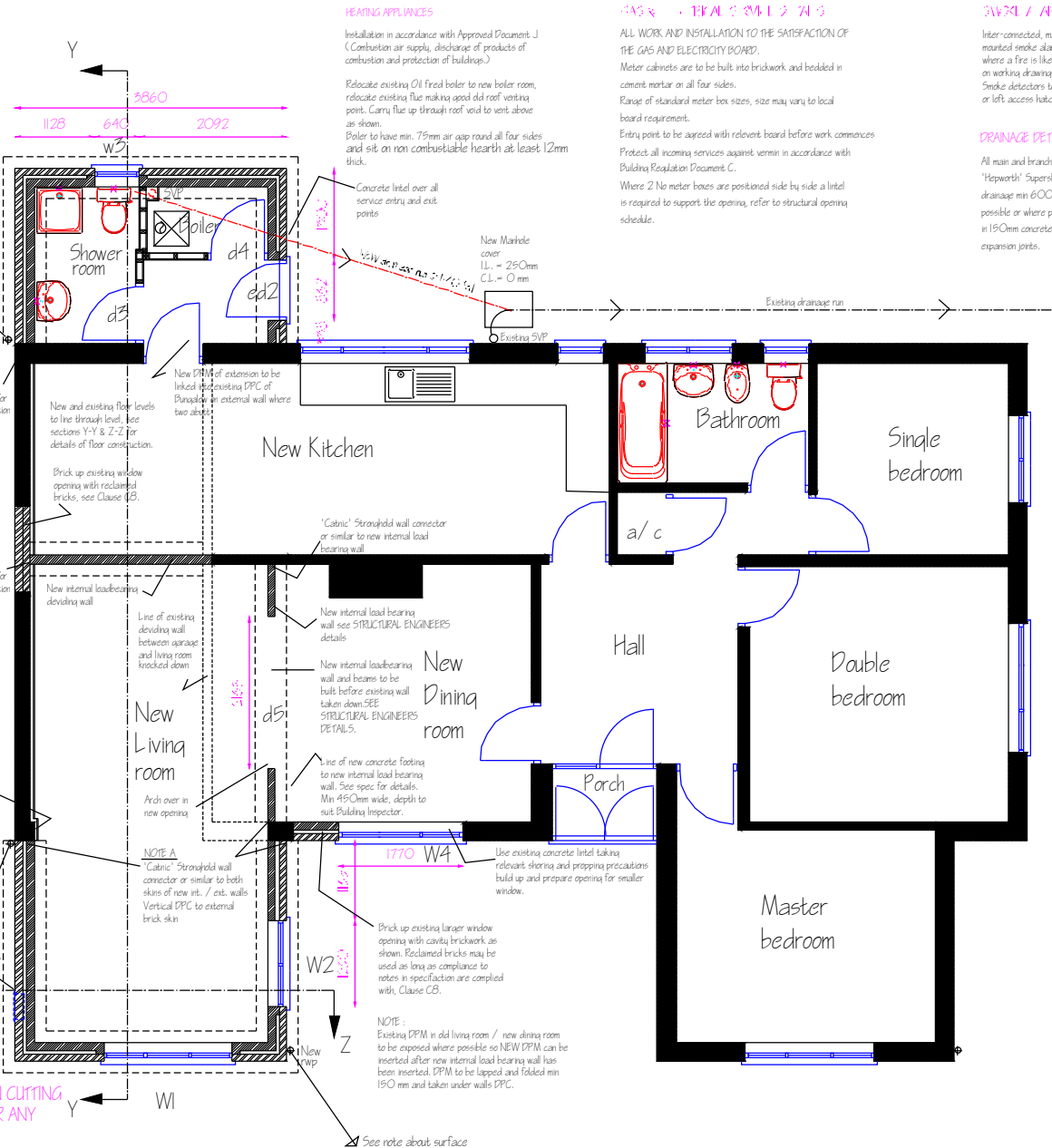
100mm Facing brick outer leaf  
50 mm Celotex cavity  
17 mm Celotex FB<sup>1</sup> cavity insulation  
115mm insulation block  
12.5mm Plasterboard on slabs

BUILDER TO TAKE PRECAUTIONS WHEN CUTTING THROUGH EXISTING FLOOR SLABS FOR ANY UNDERGROUND SERVICES

Structural opening Schedule

| ref. | opening size | Lintel ref. | Lintel length | Head height | Head width | CB   | Profile     |
|------|--------------|-------------|---------------|-------------|------------|------|-------------|
| W1   | 1820 x 1290  | ONI         | 2000          | 2290        | 878        | 4000 | 4000 mm sq. |
| W2   | 1230 x 1900  | ONI         | 1900          | 2290        | 878        | 4000 | 4000 mm sq. |
| W3   | 640 x 900    | ONI         | 900           | 2290        | 1050       | 4000 | 4000 mm sq. |
| W4   | 1770 x 1500  | -           | -             | 2290        | 878        | 4000 | 4000 mm sq. |
| B1   | 862 x 2100   | ONI         | 1200          | 2000        | 0          | -    | -           |
| B2   | 862 x 2029   | ONI         | 1900          | 2000        | 0          | -    | -           |
| B3   | 862 x 2029   | ONI         | 1200          | 2000        | 0          | -    | -           |
| B4   | 862 x 2029   | ONI         | 2029          | 2000        | 0          | -    | -           |

All heights taken from DPC, used an O Datum  
Lintel rotation taken from Celnic Lintel Manufacturers' Catalogue



PROPOSED GROUND FLOOR PLAN

HEATING APPLIANCES

Installation in accordance with Approved Document J (Combustion air supply, discharge of products of combustion and protection of buildings.)

Relocate existing Oil Fired boiler to new boiler room, relocate existing flue making good old roof venting point. Carry flue up through roof void to vent above as shown. Boiler to have min. 75mm air gap round all four sides and sit on non combustible hearth at least 12mm thick.

GAS & ELECTRICAL SYMBOLS

ALL WORK AND INSTALLATION TO THE SATISFACTION OF THE GAS AND ELECTRICITY BOARD.

Meter cabinets are to be built into brickwork and bedded in cement mortar on all four sides.

Range of standard meter box sizes, size may vary to local board requirement.

Entry points to be agreed with relevant board before work commences.

Inter-connected, mains operated, self contained, separately wired ceiling mounted smoke alarms provided in hallway, within 7m of the doors to rooms where a fire is likely to start, and on floors within 5m of bedrooms, as shown on working drawings.

Smoke detectors to be positioned min 300mm away from light fittings, walls or light access hatch.

SMOKE ALARMS

Inter-connected, mains operated, self contained, separately wired ceiling mounted smoke alarms provided in hallway, within 7m of the doors to rooms where a fire is likely to start, and on floors within 5m of bedrooms, as shown on working drawings.

Smoke detectors to be positioned min 300mm away from light fittings, walls or light access hatch.

Inter-connected, mains operated, self contained, separately wired ceiling mounted smoke alarms provided in hallway, within 7m of the doors to rooms where a fire is likely to start, and on floors within 5m of bedrooms, as shown on working drawings.

Smoke detectors to be positioned min 300mm away from light fittings, walls or light access hatch.

Inter-connected, mains operated, self contained, separately wired ceiling mounted smoke alarms provided in hallway, within 7m of the doors to rooms where a fire is likely to start, and on floors within 5m of bedrooms, as shown on working drawings.

Smoke detectors to be positioned min 300mm away from light fittings, walls or light access hatch.

Inter-connected, mains operated, self contained, separately wired ceiling mounted smoke alarms provided in hallway, within 7m of the doors to rooms where a fire is likely to start, and on floors within 5m of bedrooms, as shown on working drawings.

Smoke detectors to be positioned min 300mm away from light fittings, walls or light access hatch.

Inter-connected, mains operated, self contained, separately wired ceiling mounted smoke alarms provided in hallway, within 7m of the doors to rooms where a fire is likely to start, and on floors within 5m of bedrooms, as shown on working drawings.

Smoke detectors to be positioned min 300mm away from light fittings, walls or light access hatch.

Inter-connected, mains operated, self contained, separately wired ceiling mounted smoke alarms provided in hallway, within 7m of the doors to rooms where a fire is likely to start, and on floors within 5m of bedrooms, as shown on working drawings.

Smoke detectors to be positioned min 300mm away from light fittings, walls or light access hatch.

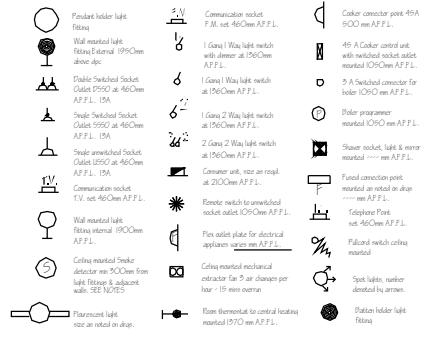
Inter-connected, mains operated, self contained, separately wired ceiling mounted smoke alarms provided in hallway, within 7m of the doors to rooms where a fire is likely to start, and on floors within 5m of bedrooms, as shown on working drawings.

Smoke detectors to be positioned min 300mm away from light fittings, walls or light access hatch.

Inter-connected, mains operated, self contained, separately wired ceiling mounted smoke alarms provided in hallway, within 7m of the doors to rooms where a fire is likely to start, and on floors within 5m of bedrooms, as shown on working drawings.

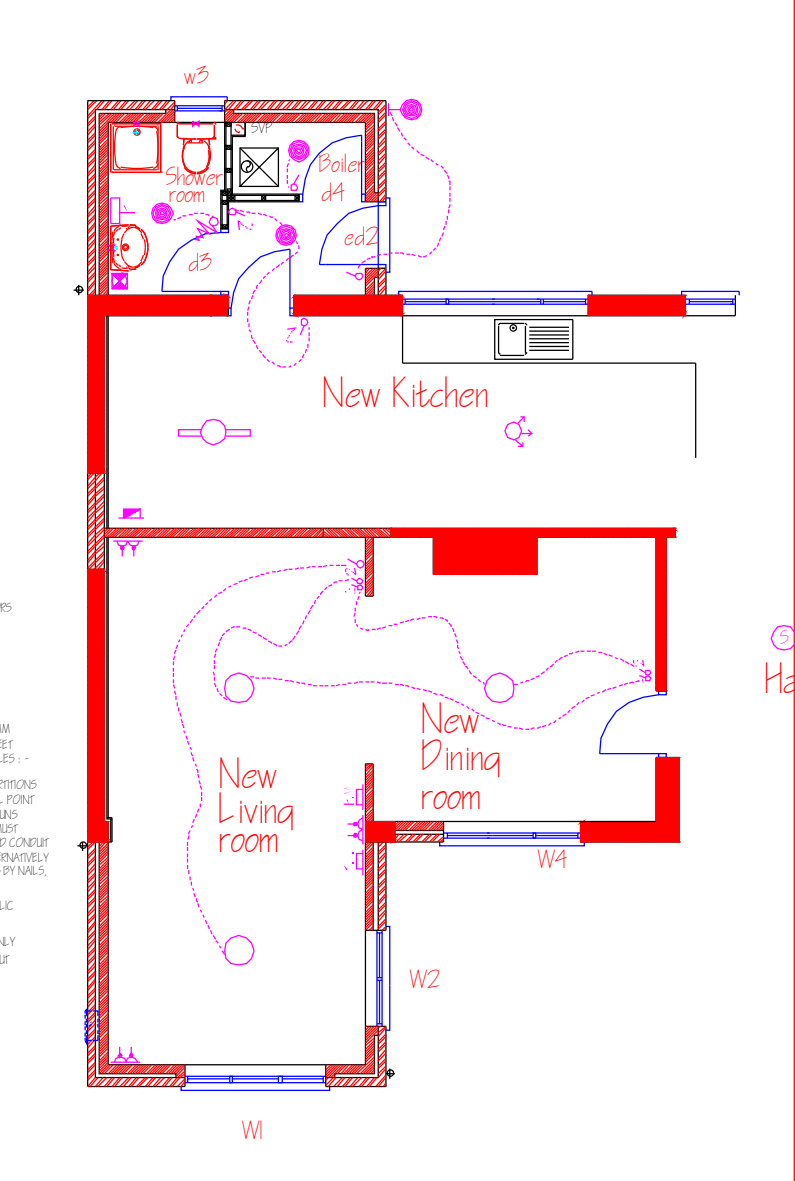
Smoke detectors to be positioned min 300mm away from light fittings, walls or light access hatch.

ELECTRICAL SYMBOLS LEGEND:



NOTES :-

- 1 - ALL WIRING AND FITTINGS TO COMPLY WITH 16th EDITION OF I.E.E REGULATIONS. ELECTRICIAN TO CHECK AND CONFIRM WITH CLIENT POSITION OF ALL FITTINGS BEFORE WORK STARTS.
- 2 - CLIENT TO APPROVE ALL FITTINGS BEFORE WORK STARTS.
- 3 - ALL ELECTRICAL WORK TO BE CARRIED OUT IN ACCORDANCE WITH SPECIFICATION.
- 4 - SMOKE DETECTORS, MAINS OPERATED SELF CONTAINED SMOKE DETECTORS SHOULD BE INSTALLED WITH AT LEAST 1 NO. PER STOREY AS INDICATED ON DRGS. SMOKE DETECTORS SHOULD BE WITHIN 7M OF A KITCHEN AND LIVING ROOM DOORS AND 2M OF BEDROOM DOORS. WHERE A DWELLING HAS MORE THAN ONE SMOKE DETECTOR THEY SHOULD BE INTERCONNECTED AND POSITIONED 300MM MIN FROM ANY WALL OR LIGHT FITTING. POWER SUPPLY TO BE TAKEN FROM THE FIXED APPLIANCE SIDE OF THE DISTRIBUTION BOARD OF THE CONSUMER UNIT.
- 5 - ELECTRICAL CABLE INSTALLATION WHERE CABLES ARE CONCEALED WITHIN A WALL AT A DEPTH OF LESS THAN 50MM FROM THE SURFACE CERTAIN RULES MUST BE FOLLOWED FOR SAFETY AND TO MEET BS7671 REQUIREMENT FOR ELECTRICAL INSTALLATIONS. EITHER INSTALL THE CABLES :-  
i - WITHIN 150MM OF THE TOP OF THE WALL OR PARTITION  
ii - WITHIN 150MM OF THE JUNCTION BETWEEN TWO ADJACENT WALLS OR PARTITIONS OR ACCESSORY OR SWITCHGEAR ON THE WALL OR PARTITION IN STRAIGHT RUNS  
IF NONE OF THE ABOVE SITUATIONS CAN BE ACHIEVED THE CONCEALED CABLE MUST INCORPORATE AN EARTHED METALLIC COVERING OR BE ENCLOSED IN AN EARTHED CONDUIT TRUNKING OR PULVIC SATISFYING BS7671 FOR A PROTECTIVE CONDUCTOR. ALTERNATIVELY MECHANICAL PROTECTION SUFFICIENT TO PREVENT PENETRATION OF THE CABLES BY WALLS, SCREWS AND THE LIKE CAN BE USED.  
ELECTRICAL CABLES IN PARTITIONS ARE TO BE INSTALLED IN AN EARTHED METALLIC CONDUIT, 10MM IN DIA TO COMPLY WITH BS7671.
- 6 - THIS DRAWING TO BE USED TO SHOW LOCATION OF ELECTRICAL COMPONENTS ONLY ANY DEVIATION OR QUERY MUST BE REFERRED BACK TO DRG. NO 2 FOR SETTING OUT



PART GROUND FLOOR NEW ELECTRICS PLAN

Location : Road Hall, Worcester WR2  
Client : Mr & Mrs W  
Proposed garage conversion and extension  
Drawing title : BUILDING REGULATION DRAWING ELEVATIONS, PLAN & SECTIONS  
Date : April. Scale : 1:100 & 1:50  
Drq. No: 03  
REV.

ANY ANOMALY BETWEEN APPROVED DRAWINGS AND SITE CONDITIONS STATUTORY REQUIREMENTS OR OTHER REQUIREMENTS OF THE BUILDING INSPECTOR, INSPECTING ARCHITECT OR NBSIC INSPECTOR SHALL BE RESOLVED BEFORE THIS WORK IN QUESTION PROCEEDS. THIS DRAWING IS ISSUED TO IDENTIFY COMPONENTS AND TO SHOW METHODS OF CONSTRUCTION ONLY DO NOT SCALE. USE ONLY GIVEN DIMENSIONS