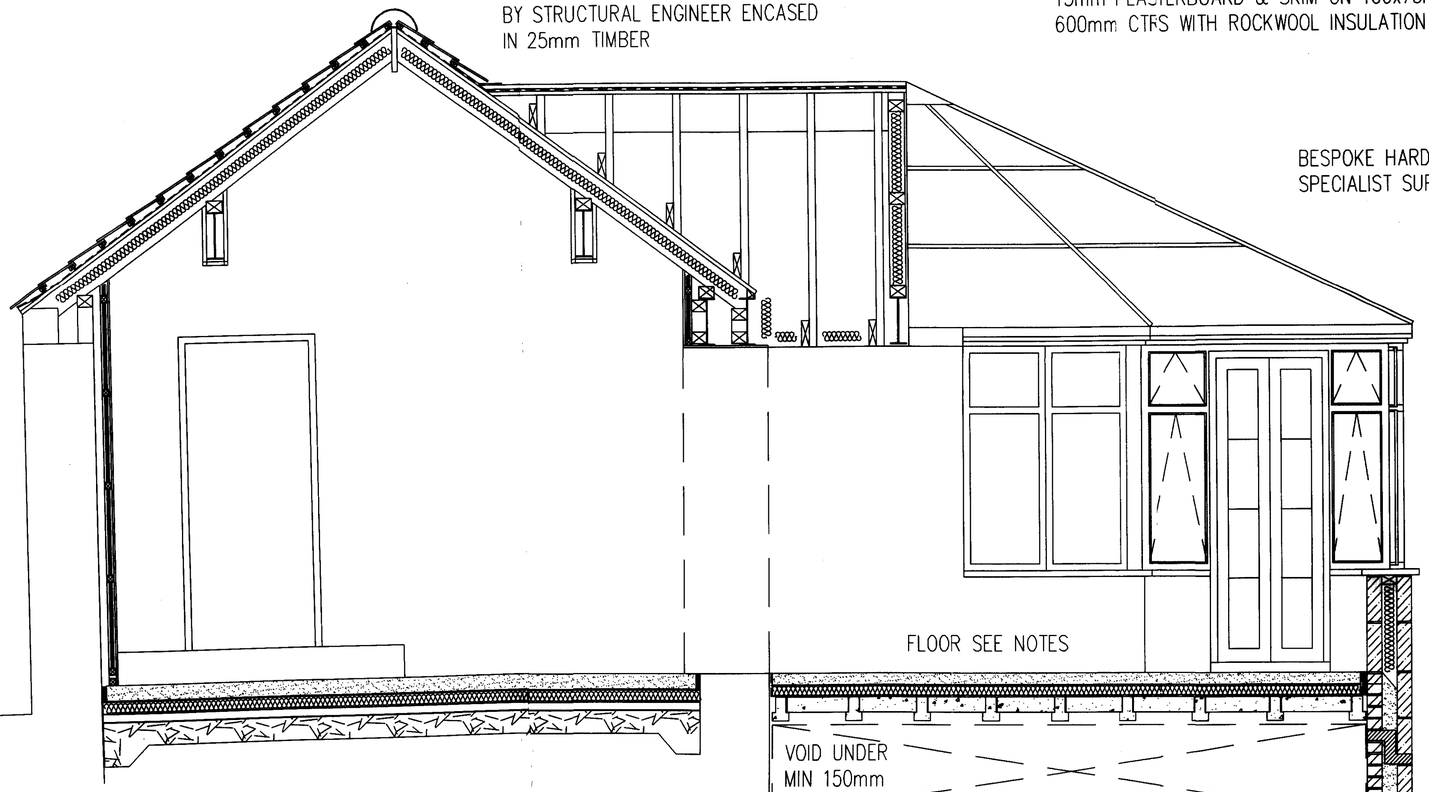
MARLEY PLAIN ROOFING TILES ON 38x25mm SW TREATED BATTENS ON ROOFTILE JNDERLAY ON 150x47mm GRADE C16 SW RAFTERS AT 450mm CTRS RAFTERS & JOISTS TIED TO EXTERNAL WALLS WITH 30x6mm M/S STRAPS TAKEN INTO BED JOINTS & DOWN CAVITY OR ACROSS
WALLPLATE & SCREWED TO RAFTER & JOIST.
LATERAL RESTRAINT STRAPS AT 2000mm CTRS FITTED IN ACCORDANCE WITH APFROVED DOCUMENT 'A'
INSULATION TO ROOF TO BE 70mm KINGSPAN KOOLTHERM K7 LAID FLUSH WITH BOTTOM CHORD OF RAFTER ALL ON 37mm KINGSPAN THERMAROOF TW56 ZERO ODP BOARD & PLASTER SKIM FINISH

STEEL PURLINS TO BE DESIGNED BY STRUCTURAL ENGINEER ENCASED IN 25mm TIMBER

13mm PLASTERBOARD & SKIM ON 100x75mm SW STUDDING AT 600mm CTRS WITH ROCKWOOL INSULATION TO VOIDS



BESPOKE HARDWOOD CONSERVATORY BY SPECIALIST SUPPLIER

WALLS SEE NOTES

LEAN MIX CAVITY FILL

ENGINEERING BWK TO BOTH SKINS BELOW GROUND

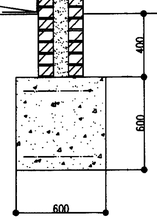
TELESCOPIC VENTS TO FLOOR VOID

FLOOR SEE NOTES

VOID UNDER MIN 150mm

FOUNDATIONS SEE NOTES

DWARF HONEYCOMB WALL BELOW SUSPENDED FLOOR AT 1/3 SPAN



KITCHEN FLOOR

150mm CONCRETE FLOOR SLAB INCORPORATING 1No LAYER A193 MESH FABRIC REINFORCEMENT MIN 50mm COVER ALL ON 1200 GAUGE \QUEEN DPM ON 100mm STYROFOAM FLOOR INSULATION ON 50mm SAND BLINDINGON 150mm SULPHATE FREE WELL CONSOLIDATED HARDCORE.

CONSERVATORY FLOOR

65mm CEMENT/SAND SCREED WITH LIGHT ANTI RACK FABRIC MESH REINFORCEMENT ON 100mm THICK KINGSPAN TF70 ZERO ODP FLOOR INSULATION C1200 GAUGE DPM WITH FLANKING STRIPS AROUND PERIMETER OF THE FLOORING
TURNED UP OVER FINISHES AND SECURED WITH SKIRTING ALL ON 15mm LEVELLING SCREED BRUSHED INTO JOINTS BETWEEN BLOCK BEAM FLOOR.
150mm DEEP PRE-STRESSED CONCRETE FLOOR BEAMS & DENSE CONCRETE INFILL FLOOR BLOCKS

Proposed Section A-

Proposed Conversion of Existing Barn to form Kitchen & Conservatory Extension
at Little Stonehouse Farm, Old Lane, Brown Edge, Stoke on Trent
For Mr & Mrs S. Holdcroft. Scale 1:20 Date Nov 2009

NOTES

ROOF

MARLEY PLAIN ROOFING TILES ON 38x25mm SW TREATED BATTENS ON ROOFTILE UNDERLAY ON 150x47mm GRADE C16 SW RAFTERS
AT 450mm CTRS RAFTERS & JOISTS TIED TO EXTERNAL WALLS WITH 30x6mm M/S STRAPS TAKEN INTO BED JOINTS & DOWN CAVITY OR ACROSS
WALLPLATE & SCREWED TO RAFTER & JOIST.
LATERAL RESTRAINT STRAPS AT 2000mm CTRS FITTED IN ACCORDANCE WITH APPROVED DOCUMENT 'A'
INSULATION TO ROOF TO BE 70mm KINGSPAN KOOLTHERM K7 LAID FLUSH WITH BOTTOM CHORD OF RAFTER ALL ON 37mm
KINGSPAN THERMAROOF TW56 ZERO ODP BOARD & PLASTER SKIM FINISH

WALLS

100mm NATURAL COURSED STONE EXTERNALLY, 50mm CAVITY AIR GAP WITH 50mm KINGSPAN THERMAWALL TW50 ODDP INSULATION
& 100mm NATURAL STONE INTERNALLY WITH STAINLESS STEEL WALL TIES SET AT 750mm CTRS STAGGERED HORIZONTALLY, 450mm
CTRS VERTICALLY & 300mm AT JAMBS
ALL CAVITIES CLOSED AT TOP
CAVITY REVEALS TO HAVE THERMABATE INSULATED CAVITY CLOSERS
100x75mm SW TREATED WALLPLATE TO ALL WALLS CARRYING ROOF STRUCTURE TIED DOWN WITH 30x6mm M/S STRAPS
AT MAX 1200mm CTRS

EXISTING WALLS TO BE LINED INTERNALLY WITH 46mm INDEPENDANT WALL LINING METAL STUDS FINISHED INTERNALLY WITH
12.5mm FOILBACKED PLASTERBOARD & SKIM FINISH.
VOID BETWEEN INL & P/BOARD TO BE FILLED WITH 50mm GYPGLASS INSULATION
NOTE:- 50mm CAVITY BETWEEN INSIDE FACE OF EXISTING EXTERANAL WALL & NEW METAL STUD LINING.

FLOOR

65mm CEMENT/SAND SCREED WITH LIGHT ANTI CRACK FABRIC MESH REINFORCEMENT ON 100mm THICK
KINGSPAN TF70 ZERO ODP FLOOR INSULATION ON 1200 GAUGE DPM WITH FLANKING STRIPS AROUND
PERIMETER OF THE FLOORING
TURNED UP OVER FINISHES AND SECURED WITH SKIRTING ALL ON 15mm LEVELLING SCREED BRUSHED INTO
JOINTS BETWEEN BLOCK BEAM FLOOR
150mm DEEP PRE-STRESSED CONCRETE FLOOR BEAMS & DENSE CONCRETE INFILL FLOOR BLOCKS

DRAINAGE

FLEXIBLE JOINTED S.G.W EMBEDDED IN 150mm CONCRETE JACKET BELOW BUILDING
OR WHERE REQUIRED, ELSEWHERE SET IN 150mm LAYERS OF 18mm PEA GRAVEL
100mm DIA MIN 1:40
NEW LOs WHERE REQ'D CONSTRUCTED IN 225mm CLASS 'B' SEMI ENGINEERING BRK, 150mm R/C BASE SLAB, HALF ROUND SGW CHANNEL
TO MATCH EXISTING BEDDED IN CONCRETE SAND/CEMENT BENCHING MIN 150mm THICK LAID AT 1:6 FALL INTO
CHANNELS WITH STEEL FLOAT FINISH, 150mm R/C COVER SLAB & MEDIUM WEIGHT COVER.

FOUNDATIONS

GENERALLY TO SUIT SITE CONDITIONS
600x600mm MASS CONCRETE FOOTINGS INCORPORATING 2No LAYERS B503 MESH FABRIC REINFORCEMENT LAID TOP
& BOTTOM WITH MIN 50mm COVER
FOOTING EXCAVATION TO BE MIN 1000mm DEEP FROM ADJACENT GROUND LEVEL TO UNDERSIDE OF FOOTING
NOTE:- FOUNDATIONS INDICATED ARE PROVISIONAL ONLY & MAY BE SUBJECT TO REVISION BY BUILDING INSPECTOR FOLLOWING
INSPECTION OF EXCAVATION PRIOR TO LAYING OF ANY FOUNDATION CONCRETE

D.P.C

PITCH FREE 'XTRALOAD ELITE' DPC TO JAMBS & CILLS OF ALL OPENINGS & TO ALL WALLS
MIN 150mm ABOVE ADJACENT GROUND LEVEL
VISQUEEN DPM TURNED UP AT EDGES & TUCKED INTO DPC

PLUMBING

75 DIA UPVC RAINWATER PIPES
100mm DIA UPVC EAVES GUTTERS COMPLETE WITH ALL FITTINGS & FIXTURES
ALL TO MATCH EXISTING.
ALL TRAP SIZES & SEALS FOR APPLIANCES TO CONFORM TO TABLE 1 OF APPROVED DOC H1
100mm WASTE CONNECTION TO WC
38 WASTE 75 SEAL TO SINK

GENERALLY

ALL GLAZING TO BE TOUGHENED SAFETY GLAZING AND COMPLY IN ALL RESPECT WITH BS2506
ALL GULLIES TO BE RODDABLE
ALL LINTOLS TO BE INSULATED
ALL NEW UPVC DOUBLE GLAZED WINDOWS TO BE MIN 1/20TH OF ROOM FLOOR AREA
& BE FITTED WITH TRICKLE VENTS
WINDOWS TO GIVE A 'U' VALUE OF 1.8w/m2k
& COMPLY IN ALL RESPECTS
WITH REVISED PART 'L' OF CURRENT BUILDING REG'S
ALL CAVITIES TO BE CONTINUOUS
ALL LINTOLS TO BE CATNIC UNLESS STATED OTHERWISE
NOTE: POSITION OF EX DRAINAGE TO BE CHECKED
ON SITE BY CONTRACTOR ON SITE & APPROVED WITH
BUILDING INSPECTOR

ALL ELECTRICAL WORK TO MEET THE REQUIREMENTS OF PART 'P' MUST BE DESIGNED & INSTALLED,
INSPECTED AND TESTED BY A PERSON COMPETENT TO DO SO, WITH CERTIFICATE ISSUED ON COMPLETION.

EXISTING HEATING BOILER CAPACITY TO BE CHECKED TO SEE IF IT IS ADEQUATE TO SUPPLY THE ADDITIONAL HEATING SYSTEM WHICH WILL BE FITTED WITH
RADIATOR THERMOSTATIC CONTROL VALVES.
ALL DWELLING TO BE FITTED WITH MAINS OPERATED SMOKE DETECTION WITH BATTERY BACKUP TO B.S 5446
PROPERTY TO BE HAVE 2No ROOMS FITTED WITH ENERGY EFFICIENT LIGHTING OUTLETS TO COMPLY WITH PARA 1.54.

SUPPLY & FIT SMOKE DETECTORS TO B.S. 5839, PART 6 LINKED TO MAINS SUPPLY VIA 5AMP FUSE
ALL NEW RADS TO BE FITTED WITH THERMOSTATIC RADIATOR VALVES TO COMPLY WITH
REGULATION 'L'.
ALL NEW LIGHTING LAMPS TO HAVE A LUMINOUS EFFICIANCY GREATER THAN 40 LUMENS PER CIRCUIT WATT

ALL NEW STEELWORK TO BE DESIGNED BY STRUCTURAL ENGINEER AND BE ENCASED IN 2No LAYERS PLASTERBOARD & SKIM TO GIVE 1/2
HOUR FIRE PROTECTION
MECHANICAL VENTILATION
KITCHEN 60 LITRES PER HR

Original Sheet A1