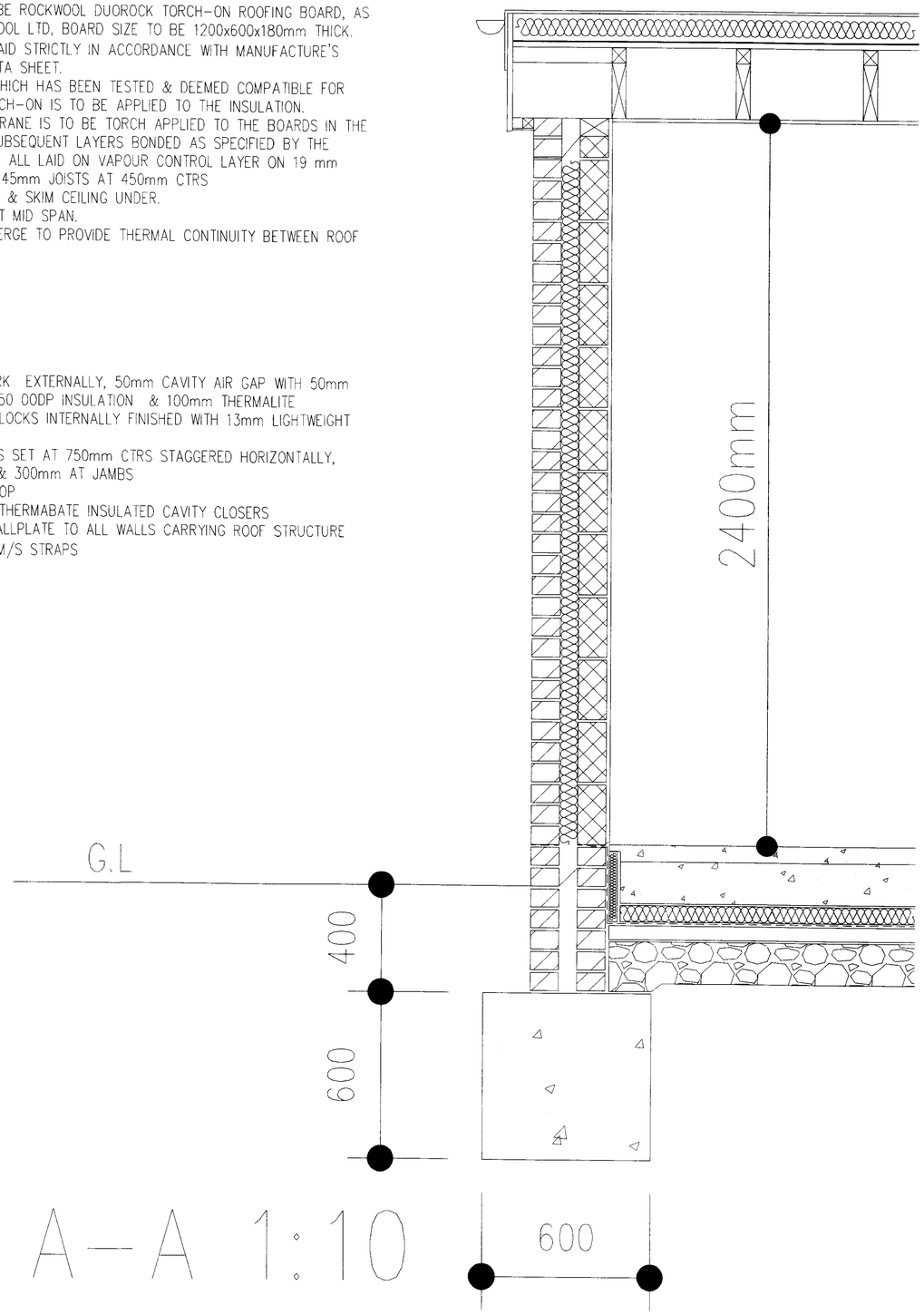
ROOF

THE ROOF INSULATION TO BE ROCKWOOL DUOROCK TORCH-ON ROOFING BOARD, AS MANUFACTURED BY ROCKWOOL LTD, BOARD SIZE TO BE 1200x600x180mm THICK.
THE BOARDS ARE TO BE LAID STRICTLY IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATION, AND DATA SHEET.
A TORCH-ON MEMBRANE WHICH HAS BEEN TESTED & DEEMED COMPATIBLE FOR BONDING TO DUOROCK TORCH-ON IS TO BE APPLIED TO THE INSULATION.
THE FIRST LAYER OF MEMBRANE IS TO BE TORCH APPLIED TO THE BOARDS IN THE APPROVED MANNER AND SUBSEQUENT LAYERS BONDED AS SPECIFIED BY THE MEMBRANE MANUFACTURER, ALL LAID ON VAPOUR CONTROL LAYER ON 19 mm PLYWOOD DECKING ON 47x145mm JOISTS AT 450mm CTRS
WITH 13mm PLASTERBOARD & SKIM CEILING UNDER.
HERRINGBONE STRUTTING AT MID SPAN.
ROCKWOOL PACKED INTO VERGE TO PROVIDE THERMAL CONTINUITY BETWEEN ROOF AND WALL INSULATION.

WALLS

102.5mm FACING BRICKWORK EXTERNALLY, 50mm CAVITY AIR GAP WITH 50mm KINGSPAN THERMAWALL TW50 ODDP INSULATION & 100mm THERMALITE
2000 SHIELD INSULATION BLOCKS INTERNALLY FINISHED WITH 13mm LIGHTWEIGHT PLASTER
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



SECTION A-A 1:10

Proposed Living Room & Bedroom Extension at 3 Nevin Avenue, Knypersley, Stoke-on Trent
For Mrs J. Byrne. Scale:- 1:10 Date:- Sept 2009

NOTES

ROOF

THE ROOF INSULATION TO BE ROCKWOOL DUOROCK TORCH-ON ROOFING BOARD, AS MANUFACTURED BY ROCKWOOL LTD, BOARD SIZE TO BE 1200x600x180mm THICK.
THE BOARDS ARE TO BE LAID STRICTLY IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATION, AND DATA SHEET.
A TORCH-ON MEMBRANE WHICH HAS BEEN TESTED & DEEMED COMPATIBLE FOR BONDING TO DUOROCK TORCH-ON IS TO BE APPLIED TO THE INSULATION.
THE FIRST LAYER OF MEMBRANE IS TO BE TORCH APPLIED TO THE BOARDS IN THE APPROVED MANNER AND SUBSEQUENT LAYERS BONDED AS SPECIFIED BY THE MEMBRANE MANUFACTURER, ALL LAID ON VAPOUR CONTROL LAYER ON 19 mm PLYWOOD DECKING ON 47x145mm JOISTS AT 450mm CTRS
WITH 13mm PLASTERBOARD & SKIM CEILING UNDER.
HERRINGBONE STRUTTING AT MID SPAN.
ROCKWOOL PACKED INTO VERGE TO PROVIDE THERMAL CONTINUITY BETWEEN ROOF AND WALL INSULATION.

WALLS

102.5mm FACING BRICKWORK EXTERNALLY, 50mm CAVITY AIR GAP WITH 50mm KINGSPAN THERMAWALL
TW50 ODDP INSULATION & 100mm THERMALITE
2000 SHIELD INSULATION BLOCKS INTERNALLY FINISHED WITH 13mm LIGHTWEIGHT PLASTER
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

FLOOR

150mm CONCRETE FLOOR SLAB INCORPORATING 1No LAYER A193 MESH FABRIC REINFORCEMENT MIN 50mm COVER ALL ON 1200 GAUGE VISQUEEN DPM ON 100mm STYROFOAM FLOOR INSULATION ON 50mm SAND BLINDING ON 150mm SULPHATE FREE WELL CONSOLIDATED HARDCORE
(ALTERNATIVE FLOOR) 75mm SCREED ON 500 GAUGE VISQUEEN SEPARATION LAYER ON KINGSPAN TF70 ZERO ODP 100mm THICK FLOOR INSULATION TURNED UP AT WALL EDGES ON 1200 GAUGE VISQUEEN DPM ON CONCRETE BLOCK/BEAM FLOOR BY SPECIALIST MANUFACTURER

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 I.Cs WHERE REQ'D CONSTRUCTED IN 225mm CLASS 'B' SEMI ENGINEERING BWK, 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

ALL INTERNAL PLUMBING TO B.S 5572
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

GENERALLY

ALL GLAZING TO BE TOUGHENED SAFETY GLAZING AND COMPLY IN ALL RESPECT WITH BS2606
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
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.

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

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.

ALL NEW STEELWORK TO BE DESIGNED BY STRUCTURAL ENGINEER AND BE ENCASED IN 2No LAYERS PLASTERBOARD & SKIM TO GIVE 1/2 HOUR FIRE PROTECTION
NOTE:- POSITION OF EX DRAINAGE TO BE CHECKED ON SITE BY CONTRACTOR ON SITE & APPROVED WITH BUILDING INSPECTOR

Original Sheet A1