



Cross Section A-A

ROOF CONSTRUCTION - TO CONSIST OF SELECTED ROOF SLATES TO MATCH EXISTING ON 50x35 SOFTWOOD BATTENS TO GAUGE ON TEGRAL VENTREX BREATHER MEMBRANE OR SIMILAR ON 100x44 CUT TIMBER RAFTERS @600 CRS WITH TREATED ENDS MEETING AT RIDGEBOARD & BIRDSMOUTH JOINTED OVER 100x75 PRESERVATIVE TREATED WALLPLATE. RAFTERS SUPPORTED ON 225x75 PURLINS PROPPED AT MAX. 3M CRS OFF PARTITION WALL OR SPECIALLY DESIGNED SUPPORTS WITH 150x44 CEILING JOISTS @ 600 CRS TO FORM CEILING. WALLPLATES TO BE FIXED AND HELD IN POSITION WITH GALVANIZED HOLDING DOWN STRAPS @ 2M c/c MAX. STAGGERED INTERNALLY & EXTERNALLY AND CARRIED DOWN 450MM ON BOTH SIDES OF WALL. WHERE WALLPLATES ARE BUTT JOINTED STRAPS ARE TO BE PROVIDED AT 400 c/c ON EITHER SIDE OF JOINT.

INSULATION - 400 ROCKWOOL INSULATION TO FLAT CEILING CONSISTING OF 200 FITTED BETWEEN JOISTS & ADDITIONAL 200 LAID OVER, WITH GLIDEVALE EAVES VENTILATOR OR SIMILAR TO BE LOCATED AT EAVES TO ENSURE CONTINUOUS VENTILATED AIR GAP TO ROOF SPACE. 12.5 PLASTERBOARD & SKIM FINISH TO UNDERSIDE OF JOISTS. AN AIRTIGHT MEMBRANE TO BE FITTED TO INSIDE OF CEILING JOISTS & APPLIED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

ALL LEAD USED IN ROOF CONSTRUCTION TO BE CODE 4 OR 5 LEAD TO BS. 1178. LEAD TO VALLEYS TO BE NOT LESS THAN 500 WIDE AND IN LENGTHS OF NOT MORE THAN 1.5M TO BE LAPPED 150 AT EACH LENGTH. LEAD VALLEYS TO BE SUPPORTED ON TREATED VALLEY BOARDS. TILES TO BE CUT & RAKED ALLOWING 100 OPEN CHANNEL. ALL ROOF CONSTRUCTION TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT BUILDING REGULATIONS.

WALL CONSTRUCTION
EXTERNAL WALLS TO CONSIST OF SELECTED KNAPP PLASTER FINISH ON 100 CONCRETE BLOCK OUTER LEAF, 150 CAVITY CONTAINING 100 XTRATHERM PARTILA FILL CAVITY BOARD INSULATION FIXED TO 100 CONCRETE BLOCK INNER LEAF USING STAINLESS STEEL WALL TIES SPACED AT 750 c/c ON HORIZONTAL AND 450 c/c ON VERTICAL & STAGGERED. CONC BLOCK CAVITY WALL CLOSER TO BE OMITTED FROM TOP OF WALL TO PREVENT COLD BRIDGING & CAVITY CLOSED AT TOP USING A FIRESTOPPING CAVITY BARRIER. TOP TO ROWS OF CONC BLOCKWORK TO BE PROVIDED WITH WALL TIES AT 750c/c ON HORIZONTAL AND 225c/c ON VERTICAL. PROVIDE TIES ALSO AT 225 c/c ON VERTICAL 150 AWAY FROM ANY OPENING. PROVIDE 100 WIDE LAYER OF HORIZONTAL D.P.C. TO ALL 100 BLOCK LEAFS 150MM MIN ABOVE GROUND/ FOOTPATH LEVEL. CAVITY TO BE FILLED EITHER OF BLOCKWORK OR SAND/CEMENT MORTAR TO AT LEAST 150 BELOW D.P.C. LEVEL.

FLOOR CONSTRUCTION
TO CONSIST OF 150 POWERFLOATED CONCRETE SLAB ON 500 GAUGE POLYTHENE ON 100 XTRATHERM HYFLOOR RIGID FLOOR INSULATION WITH VERTICAL UPSTAND TO PERIMETER, ON 1200 GAUGE RADON PROTECTIVE D.P.M. ON 50 SAND BLINDING ON 225 COMPACTED & CONSOLIDATED HARDCORE. D.P.M./RADON MEMBRANE TO LAP UNDER HORIZONTAL D.P.C. FOR FULL THICKNESS OF INNER LEAF & TO LAP ACROSS CAVITY TO SEAL. HARDCORE TO CONSIST OF CRUSHED & GRADED STONE FREE FROM SHALE MAX SIZE 100MM. RADON SUMP TO BE PROVIDED TO HARDCORE OF NEW FLOOR WITH 100 DIA PVC PIPE BROUGHT TO EDGE OF FLOOR & CAPPED EXTERNALLY.

FOUNDATIONS
1050 X 350 REINFORCED CONCRETE FOUNDATIONS TO EXTERNAL WALLS.

WINDOWS / DOORS
TO BE SELECTED STYLE DOUBLE GLAZED UNITS WITH A MIN U-VALUE OF 1.4 W/M2K TO SELECTED COLOUR. PROVIDE D.P.C TO BOTTOM, BACK & ENDS OF CILLS WITH VERTICAL D.P.C. 150 WIDE AND E.P.S. INSULATION TO BE LOCATED AT ALL OPENINGS WITH D.P.C. HELD IN POSITION BY OUTER LEAF. CONTINUE CAVITY WALL INSULATION TO REAR OF D.P.C. OF CONC CILL TO ENSURE THERMAL BRIDGING ELIMINATED. ENSURE THAT ALL WINDOW & DOOR OPES ARE SEALED TO THE WINDOWS & DOORS USING PROPRIETARY TAPES & SEALANTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT BUILDING REGULATIONS

AT LEAST ONE WINDOW TO EACH ROOM IS TO HAVE AN UNOBSTRUCTED OPENING SECTION OF AT LEAST 850 HIGH & 500 WIDE FOR EMERGENCY ESCAPE PURPOSES WITH THE CILL OF THE OPENING SECTION NOT LESS THAN 800 & NOT MORE THAN 1100 ABOVE FINISHED FLOOR LEVEL. ALL GLAZING WITH THE CILL BELOW 800 TO BE FITTED WITH SAFETY GLAZING.

FASCIAS / SOFFIT
TO BE WHITE P.V.C. WITH INCORPORATED PROPRIETARY VENTS IN SOFFIT. AREA TO BE AT LEAST EQUAL TO AREA OF 10 WIDE CONTINUOUS GAP RUNNING FULL LENGTH OF EAVES. BLACK P.V.C DOWNPIPES WITH MATCHING GUTTERS.

VENTILATION HABITABLE ROOMS
PROVISIONS TO BE MADE FOR BACKGROUND VENTILATION BY A SECURE PERMANENT OPENING HAVING A TOTAL AREA NOT LESS THAN 13000 MM.SQ. USING A 150 PVC PIPE & VENT THROUGH CAVITY WALL. RAPID VENTILATION TO BE PROVIDED FOR BY ONE OR MORE VENTILATION OPENINGS HAVING A TOTAL AREA OF AT LEAST 1/20th. FLOOR AREA OF ROOM. I.E. OPENING WINDOW.

FIRE ALARM
A TYPE LD2 FIRE DETECTION & ALARM SYSTEM WITH HEAT SENSORS IN THE KITCHEN & SMOKE DETECTORS ELSEWHERE TO BE INSTALLED & CERTIFIED BY A SUITABLY QUALIFIED ELECTRICIAN

Working Drawings

DRAWN : V.MURRAY
DATE :
SCALE : 1:50 - A3
CHECKED :V. MURRAY
DRG NO :

PROPOSED EXTENSION TO EXISTING HOUSE

Vincent Murray
Architectural Designs
Ballythomas, Rathgormack,
Carrick-on-Suir, Co. Waterford.
Tel : 051-646841
Mob. 087-9969403
email : vinnymhome@eircom.net