

HEATING
AIR-SOURCE HEAT PUMPS (GOWIN ALTHERRA) TO BE INSTALLED TO SERVE EACH OF THE NEW DWELLING. SIZE OF UNIT TO BE CONSIDERED TO SEE THE MAXIMUM HEAT LOSS FROM THE BUILDING ESTIMATES TO BE APPROXIMATELY 9.1 KW. UNIT INTERNAL SPACES TO 40 DEGREES C WHEN THE EXTERNAL TEMPERATURE IS 5 DEGREES C. THE NEW HEAT PUMP MUST BE INSTALLED, TESTED, COMMISSIONED AND SELF CERTIFIED BY AN APPROPRIATE REGISTERED INSTALLER. DETAILS OF THE AIR-SOURCE HEAT PUMPS MUST BE PROVIDED AT THE TIME OF TENDERING. THE HEATING SYSTEM IS TO BE VIA A PRESSURIZED TANK. THE RADIATORS ARE TO BE CONTROLLED BY A PROGRAMMABLE RIGID DUCTWORK TO PROVIDED TO ALL WET AREAS AND KITCHEN.

PROVIDE AND INSTALL ALL NECESSARY PIPE WORK AND RADIATORS. THE CONTRACTOR IS TO PROVIDE ALL NECESSARY CALCULATIONS FOR THE HEAT PUMPS WITH REGARDS TO THE REQUIREMENTS TO HEAT AND HOT WATER REQUIREMENTS FOR EACH OF THE UNITS BEFORE WORK COMMENCES ON SITE.

PIPE WORK MUST SUIT KITCHEN LAYOUT AND BATHROOM LAYOUTS. ALL PIPE WORK MUST BE LAGED. ALL RADIATORS MUST BE FITTED WITH THERMOSTATS WHERE APPROPRIATE.

ALL PRIMARY PIPE WORK MUST BE INSULATED.

THE SPACE HEATING CONTROLS MUST BE FITTED WITH ZONE CONTROLS, TIMING CONTROLS AND BOILER INTERLOCKS.

THE HEATING AND HOT WATER SYSTEM MUST BE COMMISSIONED ON COMPLETION AND A CERTIFICATE ISSUED TO THE CLIENT AND THE BUILDING INSPECTOR.

INSTRUCTIONS FOR THE OPERATING AND MAINTENANCE OF THE HEATING AND WATER SYSTEMS FOR ENERGY EFFICIENCY AND GIVEN TO THE OWNER OF THE FINISHED UNITS.

FULL DETAILS OF ALL HEAT PRODUCING APPLIANCES ARE TO BE PROVIDED TO THE BUILDING INSPECTOR BEFORE INSTALLATION.

NOTE ANY PIPE WORK IN UNHEATED AREAS ARE TO BE LAGED AND INSULATED TO CURRENT BUILDING REGULATION REQUIREMENTS.

FRONT DOOR
EXISTING FRONT ENTRANCE DOOR TO BE REHUNG AS SHOWN. DOOR THICKNESS MINIMUM 40MM THICK. THE FRAME TO BE FITTED WITH WEATHER STRIP ALL ROUND AND INCLUDING AUTOMATIC DEADLOCKING RIM LATCH TO BS 3621:1980 WHICH MAY BE OPENED FROM THE INSIDE WITHOUT THE USE OF A KEY AND 100MM BARREL BOLTS TOP AND BOTTOM.

DOOR TO BE FITTED WITH GOOD QUALITY IRONMONGERY, HINGES, LETTER PLATES AND NUMBER. LETTER PLATE TO BE POSITIONED TO PREVENT ACCESS TO UNLOCK DOOR FROM THE OUTSIDE.

THRESHOLD TO COMPLY WITH PART M OF THE BUILDING REGULATIONS, I.E EXTERNAL AND INTERNAL FINISHED FLOOR LEVELS TO BE LEVEL WHERE POSSIBLE.

SANITARY FITTINGS
ALL SANITARY FITTINGS TO BE SUPPLIED BY THE CONTRACTOR, BUT FITTINGS ARE TO BE AGREED PRIOR TO FIXING WITH THE CLIENT. THE MAIN CONTRACTOR TO ALLOW FOR INSTALLING THE SAME AND FOR PROVIDING AND FIXING HOT AND COLD SUPPLIES ALL WASTES AND TRAPS AND ALL DRAINAGE CONNECTION THAT MAYBE ASSOCIATED WITH THERE INSTALLATION.

3NR. VITREOUS CHINA WASH HAND BASINS.
3NR. VITREOUS CHINA WATER CLOSETS AND SEATS
2NR. SHOWER CUBICLES

THE MAIN CONTRACTOR IS TO ALLOW FOR TILING THE TWO/THREE WALLS ABOVE THE BATH, ALL WALLS FORMING THE SHOWER CUBICLES, PLASH BACKS TO WASH HAND BASINS AND ABOVE AND MIN 50MM ABOVE KITCHEN WORK TOPS. TILES TO BE SUPPLIED BY THE CONTRACTOR - SAMPLES OF THE TILES AND GROUT TO BE PROVIDED AND AGREED WITH THE CLIENT PRIOR TO FIXING FOR APPROVAL.

THE MAIN CONTRACTOR IS TO ALLOW FOR ALL TRIMS, TILE ADHESIVE, GROUT AND FLEXIBLE SEALANT.

THE MAIN CONTRACTOR IS ALSO TO ALLOW FOR ALL BOXING IN OF ALL PIPE WORK.

AN ELECTRIC SHOWER IS TO BE PROVIDED IN THE WET ROOM.

BATH AND WHB WASTES ARE NOT TO ENTER STACK WITHIN 200MM MEASURES VERTICALLY BELOW THE CENTRELINE OF THE WC CONNECTION TO THE STACK. A BRANCH DISCHARGE PIPE SHOULD NOT DISCHARGE INTO A STACK LOWER THAN 750MM ABOVE THE INVERT OF THE TAIL OF THE BAT AT THE FOOT OF THE STACK.

ACCESS AND RODDING POINTS TO BE PROVIDED AT THE ENDS OF RUNS AND AT CHANGES OF DIRECTION FOR RODDING PURPOSES.

VENTILATION OF THE UNDERGROUND DRAINAGE IS BY MEANS OF THE NEW SOIL STACK.

THE CONTRACTOR IS TO INSURE THAT THE ABOVE AND BELOW DRAINAGE SHOULD BE DESIGNED AND INSTALLED SO AS TO COMPLY WITH THE REQUIREMENTS OF BS EN 2056: 2-2000 AND BS 5501: 1985 RESPECTIVELY.

CEMETERY
DRAINAGE ABOVE GROUND
WC WASTE 100MM INTERNAL DIAMETER.
SINK WASTE 40MM INTERNAL DIAMETER.
SHOWER WASTE 40MM INTERNAL DIAMETER.
W.H.B. WASTE 32MM INTERNAL DIAMETER.

ALL OF THE ABOVE EXCEPT FOR THE WC TO DISCHARGE INTO THE EXISTING SOIL AND VENT PIPE VIA A 75MM DEEP SEAL TRAP. WASTES PIPES TO BE 50MM INTERNAL DIAMETER WHERE RUNS EXCEED 4000MM IN LENGTH.

WOOD BURNING STOVE

HEATING APPLIANCES WITH A RATE UP TO 20 KW WITH A MINIMUM SAP EFFICIENCY OF AT LEAST 65%

AIR SUPPLY
THE NEW SOLID FUEL BURNING APPLIANCE IS TO BE PROVIDED WITH A PERMANENT AIR ENTRY OPENING OR OPENINGS WITH A TOTAL FREE AREA OF AT LEAST 550MM² PER KM OF APPLIANCE RATED ABOVE 5KW. LOCATION OF AIR VENTS ARE TO BE POSITIONED AS DIRECTED BY SUPPLIER AND INSTALLER OF APPLIANCE.

OUTLET FROM FLUE
THE OUTLET FROM THE FLUE IS TO BE POSITIONED AT LEAST 1800MM VERTICALLY ABOVE THE WEATHER SURFACE OF THE ROOF. IDEAL FLUE LENGTH FROM THE APPLIANCE SHOULD NOT BE LESS THAN 4500MM AND MEET "HEATAS" RECOMMENDATIONS.

FLUE SIZE
A CLOSED APPLIANCE OF UP 20KW RATED OUTPUT THAT BURNS SMOKELESS OR LOW VOLATILE FUELS I.E. UNTREATED WOOD OR COMPRESSED PAPER SHOULD HAVE A 125MM DIAMETER OR RECTANGULAR/SQUARE FLUES HAVING THE SAME CROSS SECTIONAL AREA AND A MINIMUM DIMENSION NOT LESS THAT 100MM FOR STRAIGHT FLUES OR 125MM FOR FLUES WITH BENDS OR OFFSETS. SIZE TO BE CONFIRMED BY THE MANUFACTURE AND INSTALLER OF THE APPLIANCE AND MUST BE TWI WALLLED AND INSULATED WHERE THE FLUE PASS THROUGH ANY PART OF THE STRUCTURE.

DIRECTION OF FLUES
FLUES ARE TO BE VERTICAL WHEREVER POSSIBLE. WHERE A BEND IS NECESSARY IN THE FLUE. THE ANGLE IS NOT TO BE MORE THAN 30 DEGREES WITH VERTICAL.

FACTORY-MADE METAL INSULATED FLUE
TO COMPLY WITH BUILDING REGULATIONS PART J 1.14, 1.43, 2.16 AND 2.17.

CONSTRUCTIONAL HEARTH
A SOLID, NON-COMBUSTIBLE HEARTH IS TO BE PROVIDED AS DETAILED IN THE BUILDING REGULATIONS PARTS 2.10 AND 2.11.

LOCATION OF APPLIANCES
TO COMPLY WITH PART 2.22 OF THE BUILDING REGULATIONS.

NOTE: A NOTICE PLATE FOR HEARTH AND FLUE ARE TO BE PROVIDED AND FIXED ADJACENT TO THE APPLIANCE TO MEET REQUIREMENT J4 AND TO COMPLY WITH DIAGRAM 1.9 OF THE BUILDING REGULATIONS.

DETAILS OF THE APPLIANCES ARE TO BE SUBMITTED TO BUILDING CONTROL PRIOR TO INSTALLATION.

Report discrepancies in figures dimensions on site
Constructions must check off dimensions on drawing as depicted

WHOLE HOUSE VENTILATION SYSTEM
DWELLING TO BE VENTILATED BY A WHOLE HOUSE HEAT RECOVERY SYSTEM AS ENERGYSIVA 200 OR SIMILAR. UNIT TO BE LOCATED IN ROOF SPACE. FULLY INSULATED RIGID DUCTWORK TO PROVIDED TO ALL WET AREAS AND KITCHEN.

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