MANUFACTURER'S DETAILS AND SPECIFIC INSTRUCTIONS FOR **HEAT RECOVERY UNIT:** 

A. THE INFORMATION PROVIDED IN THIS TABLE SETS OUT THE

RECOMMENDED PROCEDURES FOR TYPICAL MVHR SYSTEM **INSTALLATIONS** 

B. FOR FURTHER PRODUCT-SPECIFIC INFORMATION, REFER TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS C. THE SUITABILITY OF CONNECTION OF A CONTINUOUS FAN SYSTEM TO A COOKER HOOD MUST FOLLOW THE MANUFACTURER'S GUIDANCE.

I.S EN 998-2:2010 SPECIFICATION FOR MORTAR FOR MASONARY -PART 2: MASONARY MORTAR

-1:1:6 CEMENT/LIME/SAND OR

-1:6 CEMENT/SAND WITH PLASTICISER

-MORTAR MINIUM STRENGTH AT 28 DAYS = 2.5N/MM2 MINIMUM MORTAR TEMPERATURE 4 DEGREES WHEN LAID AND PROTECT AGAINST FROST UNTIL HARDENED (I.E. OVERNIGHT) MINIMUM AIR TEMPERATURE 3 DEGREES (SR 325 2013) WORK EXPOSED TO TEMPERATURES BELOW THE ABOVE SHOULD BE TAKEN DOWN AND REBUILT.

MECHANICAL EXTRACT TERMINALS, PASSIVE STACK EXTRACT VENTS AND EXTRACT FANS SHOULD BE PLACED AS HIGH AS PRACTICAL AND NO GREATER THAN 400 MM BELOW CEILING LEVEL. COOKER HOODS SHOULD GENERALLY BE LOCATED 650 MM TO 750 MM ABOVE THE HOB SURFACE UNLESS OTHERWISE RECOMMENDED BY MANUFACTURERS.

PROVIDE BRICK FORCE AROUND OPES AND ON GABLES

### **EAVES DETAIL**

185mm x 35mm uPVC/ALUMINIUM FASCIA BOARD 75mm x 12.5mm uPVC/ALUMINIUM SOFFIT BOARD 100mm x 50mm TILTING FILLET TO CORRECT SLOPE 1200mm WIDE SHEETS OF TYVEK BREATHABLE MEMBRANE WITH 200mm OVERLAPS 500mm WIDE ULTRA-VIOLET RESISTANT MEMBRANE TO EAVES

#### INTERNAL WALLS

INTERNAL WALLS SHALL BE CONSTRUCTED IN 100/215mm CONCRETE BLOCKWORK WHERE INDICATED ON PLAN WITH 12mm 2mm STEEL TROWLED FINISH COAT 100mm WIDE SCRIM USED AT CEILING/WALL JUNCTION GALVANISED ANGLE BEAD REQUIRED AT DOOR/ WINDOW OPENINGS 50mm INSULATED PLASTER SLAB ON EXTERNAL WALLS

# **CONCRETE BLOCKS**

I.S. EN 771-3:2011 SPECIFICATION FOR MASONARY UNITS-PART3:AGGREGATE CONCRETE MASONARY UNITS (DENSE AND LIGHTWEIGHT AGGREGATES)

BLOCK MINIMUM STRENGTH @ 28 DAYS = 7.5N/MM2

#### ROOF STRUCTURE DETAIL

PURI INS

175mm x 50mm C16 @ 400mm CENTRES RAFTERS

RUNNERS 100mm x 75mm C16 COLLARS 150mm x 50mm C16

WALL PLATE 100mm x 75mm C16 BOLTED & STRAPPED,

900mm CENTERS, TREATED

225mm x 75mm C16

100mm x 75mm C16 UNDER PURLINS STUDS CEILING JOISTS 225mm x 50mm C16 @ 400mm CENTRES

HANGERS 100mm x 50mm C16 RIDGE BOARD 175mm x 50mm C16 BATTENS 50mm x 44mm C16 TREATED

TREAT ALL ENDS OF RAFTERS & CEILING JOISTS PROVIDE STANDARD EAVES VENTILATORS **STRUTS** 100mm x 75mm @ (STRUTS ON TO 225mm x 75mm JOISTS RAISED 25mm

OVER CEILING LEVEL)

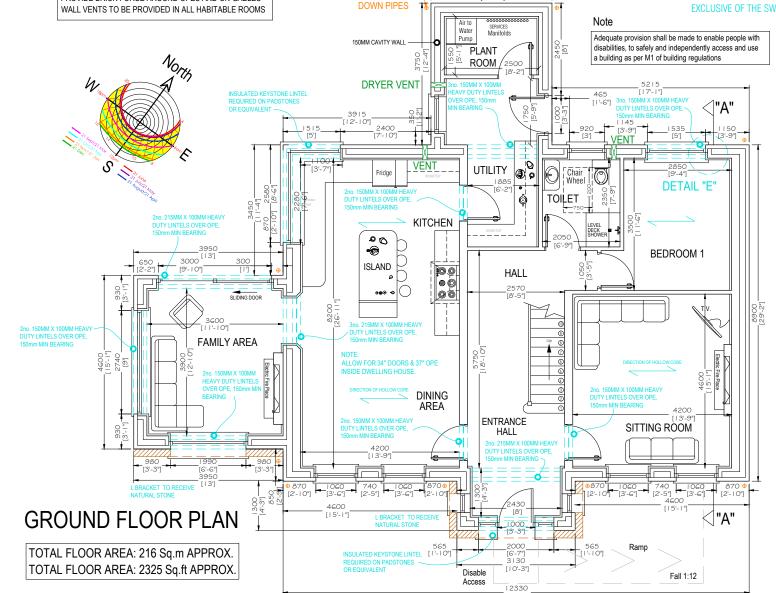
ALL LEAD TO BE TREATED WITH PATINATION OIL CORRECT LEAD CODING TO BE USED

N.B. ALL ROOF TIMBERS TO BE STAMPED

ACCESSIBLE THRESHOLDS IN NEW HOUSING AT THE ENTRANCE SHOULD BE PROVIDED WITH A LEVEL ENTRY I.E. WITH MAXIMUM THRESHOLD HEIGHT OF 15 MM WITH EXPOSED EDGES CHAMFERED OR PENCIL ROUNDED. THE MINIMUM EFFECTIVE CLEAR OPENING WIDTH OF THE ENTRANCE DOOR SHOULD BE 800 MM, THE LEVEL LANDINGS SHOULD BE PROVIDED BETWEEN RAMP FLIGHTS OR WHEREVER A CHANGE IN DIRECTION OCCURS. A LEVEL LANDING IS CONSIDERED TO INCLUDE GRADIENTS OF 1:50 OR LESS STEEP. THE LENGTH OF ALL LANDINGS SHOULD BE NOT LESS THAN 1200 MM EXCLUSIVE OF THE SWING OF ANY DOOR OR GATE, WHICH OPENS ONTO IT.

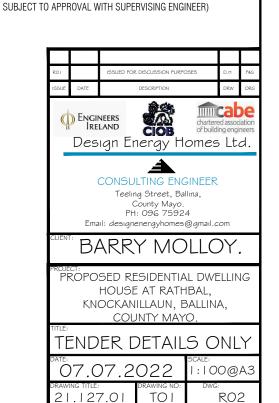
# NOTE:

ALL STEEL BEAMS & LINTELS (WHERE PROPOSED) TO BEAR ON CONCRETE PAD STONES. (ALTERNATIVE DETAIL



10no. RAIN

WATER



WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF