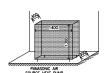
Flues shall be 200mm Int. 6 rebated & socketed ceromic flue liners (sockets uppermost) complying with BS/EN1457 & filled around with weak concrete fill & jointed with freecloy cement. No flue shall make an angle of less than 45° with the horizontal.

Flue(s) to be inspected for compliance and suitability by an appropiately qualified person at completion stage. A report shall be forwarded to Building Control for assessment. Fitted appliances shall have a spillage test corried out under fire.



1400 300 1000 300,300

600mm ≠ I.C.

mm ø LC.

Mobile 0771 236 1945

B

Utility

Shower Room

Bedroom 1

2100

PROPOSED GROUND

RAMP

1000

Hall

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Flues to be checked at completion to ensure that they are free from obstruction, satisfactority gas light and constructed with materials and components of sizes to suit the intended application and spillage test to be carried out, with any appliance fitted, under fire. A report shall be forewarded to Building Control for assessment

A durable notice shall be provided to convey details of the flue, th installer and type of combustion appliance that may be used in conjunction with the flue. (a) 200mm from the inside surface of a flue or fireplace recess;

or (b) 40mm from the outer surface of a masonry chimney or fireplace recess unless it is a floorboard, skirling board, dado rail, picture rail, montel shelf or architrace. Metal finings in contact with combustible materials shall be not less than 50mm from the inside of the flute. see Tech. Booklet L. Diagram 2.4.

Fluepipe to be protected by shielding in accordance with Tech. Booklet L Diagram 2.3.

Location
 Type of appliance that can be accommod
 Type, size and manufacturer of flue liner
 Installer name and date of installation

Back of fireplace recess to be 200mm thick. Hearth serving fire to be 125mm thick and project 500mm from front of jambs and extend length of fire surround.

Any room or space containing a combustion appliance shall have a permanent oir vent opening of not less than 20500mm³. Refer to T.B. L Table 3.1.

PRNCIPAL ENTRANCE:
Main entrance door to be min. 775mm clear age, width eith max.

Main entrance door to be min. 775mm clear age, width eith max.

Prevent lingress of water. Provide 1112 gradient ramp as shown with auarding capable of resisting a horizontal force of 0.74kn/m

12300

(e) Smoke Alarm

Hall

1800

Smoke (6)

123002100

CONSERVATION OF FUEL & POWER: Building work to be carried out in accor ensuring compliance with T.B. F1: 2012.

An Energy Rating for the completed dwelling 'as built' will be calculated, using the same software that is used to calculate the DER and TER and a notice stating the Energy Rating will be fixed the dwelling adjacent to the electrical distribution board. An electro copy of the TER/DER data shall be included with the operating and

Operating and maintenance instructions for the space healing system (AR SOURCE HEAT PUMP), healing programmes and control, hot water cylinder and controls and lightling controls (and any other specific apparatus/systems installed/fixed services) to be left for the building owner so to they can be used in an energy efficient manner.

An "on construction" Energy Performance Certificate (EPC) shall be provided to Building Control before a Completion Certificate can be

Figure 1.

PREVENTION OF EXCESSIVE DOMESTIC HOT WATER TEMPERATURES: Where the opening temperature of domestic hot water in the first opening temperature of domestic hot water in the first opening temperature of the first opening te Output of space heating system to be controlled by means of thermostatic radiator valves and / or room thermostats.

All ducting to be insulated where it passes through unheated area

1200

R

Sun-Room

Heat (6)

ALL BEAM SIZES AS PER TIMBER FRAME CALCS.

Aerogel insulation to be wrapped around steel posts to prevent cold bridging.

2925

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600mm ≠ I.C.

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Kitchen (6) Heat

Min. width of stair to be 800mm measured clear of handralls.

Livina Room

Wood burning stove set in feature brick wall built to client's specification.

Guillies to branch con to be roddable type.

Hearth serving fire to be 125mm thick and project 500mm from front of jambs and extend length of

2100

Carbon Monoxide (**) Detector.

200x150mm vent.

HEATING: Dwellings over 150 sq. m to have two heating zones with independent time and temperature controls. Water heating to be on separate zone

The heating system is to be zoned into living & sleeping areas & to be capable of being controlled independently by the incorporation of room thermostats or TRV's, allowing zones to have different temperatures. Where the heating system is controlled by TRV's only the system is to be fitted with a flow control or other anti-cycling device. Boiler to be controlled with a time clock. The heating system to be programmed to switch off when there is no demand for heat.

Heating and hot water systems to be designed, installed and commissioned in accordance with the procedure given in the DCLC publication (Obmestic Heating Compliance Guide 2010) for the purposes of conservation of fuel and power and handed over in efficient working

A notice confirming that all fixed services have been properly commissioned shall be provided, signed by a suitably qualified person and a copy given to the building owner and district council.

Hot water cylinder (200 lit.) to comply with BS 1566: 2002 & to be insulated with a factory applied coating of polyurethane foam not less than the coating of polyurethane foam not less than the coating of the coating

Effluent Discharge Consent approval be obtained from NIEA in respect of the location of the package treatme plant & point of discharge.

В

 $A \sim$

Ensuite

—

_Access Hatch.

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Shower trays to be fitted with a trap

Windows, doors, trap doors and roof-lights to be draught proofed. Bedroom 2

Purlins as per Timber Frame drawings.

4500

An unvented HWC must be fitted with a temperature relief valve, discharging safely to where it can be readily seen, without causing danger to people in or about the building, all to comply with the provisions of Reg 88 of 18 P.

133

The hot water supply temperature to a bath should be limited to a maximum of 48°C by the use of an in-line blending valve or other appropriate temperature control device, with a maximum temperature stop and a suitable arrangement of

The acceptability of in-line blending valves can be demonstrated by compliance with the relevent harmonised European Standard such as BS EN 1111 or BS CN 1287 to demonstrate that the maximum temperature of 40°C control 1287 to see the control 128

The length of supply pipes between in-line blending valves and final outlets should be kept to a minimum in order to prevent colonisation by selections prophages. Mines intermittent use of a both is anticlepted, consideration should be considered to the continue of the

Bathroom, En-suites & w.c to be fitted with extract fan capable of extracting air at a rate of 15 lif/sec & ducted to external air through soffett wir over void where practicable. Fans to have minimum 15 minute over-run period. Ditto to Utilify at a rate of 30 lit/sec.

Washbasins & bidets to have a minimum trap dia. of 32mm & seal depth of 75mm. (Seal depth may be reduced to 40mm where applicate is located on the ground floor & discharges into an external guily. Snik, both & bineses to have a minimum trap dia. of 40mm & seal depth of 75mm. (Seal depth may be reduced to 40mm where appliance is located on the ground floor & discharges into an external guily. W.C to have a minimum trap dia. of 75mm & seal depth of 57mm.

All pipes under ground floors or in roof space shall be insulated with an insulation to BS 5422: 2001 having a wall thickness equal to the ϕ

on monoxide clarms shall comply with BS EN 50291 : 2010 and powered by y. The alarm should incorporate a warning device to alert users when the g life is due to pass.

working life to due to posses. Over the working were to due to set the many be Morte powered down to BS B1 50231 z. 200 Type A thirt fixed writing many be used as alteractive applications provided they are Ricket with a sensor foliuse marring derick.

The possession of the posse

ceiling. (b) between 1000mm and 3000mm harizontally from the appliance

FRE ALARM 4 DETECTION: ms shall be permonently wired to a circult— 1 minute of the circult— 3 minute of the circult— 3 minute of the circult— 2 to which no other equipment is connected, and 3 where o Residuol Current Device, if used oin conjunction with any other circult connected to a RCD which is also used in connection with any other circult

Smoke alarms shall comply with BS 5446: Pt 1: 2000 and heat alarms with BS 5446: Pt 2: 2003 and shall be installed not less than 300mm from a wall or liftling and not less than 300mm from and not directly above a heater or alre-conditionity vertilator.

Smoke alarms shall be positioned so that a smoke alarm is within 3.0m of bedroom doors and within 7.0m of liking room or kitchen doors. Where more than one alarm is required, all alarms shall be inter-connected. All alarms shall be fitted with either a primary or secondary battery as a back up power source.

NOTE — Fitted Appliances:
Fitted appliances shall have a spillage test carried out under fire and a BCNI stove installers checkfist shall be completed and provided to Building Control.

Intelligen criticals that are compression or provided in accordance with DMTE.— Gas Codern states one operations should be provided in accordance with Each 4.1 of TB L. For some funders applications, it may be necessary to provide permissarily open of worth analy or much provided for provided for any service of the control of the provided of the control of the

AXIAI, FANS: The mox. length of flexible ductivork shall be 1.5m. All ducting is to be insulated where it passes through unheated areas. Herizontal ducting is to be sloped downward in all circumstances to prevent water ingress book into the appliance. Incorporate a condensate trop to prevent water ingress book into the appliance.

1981x838mm light oak four-panelled doors throughout unless otherwise not (Min. clear ope. width 750mm).

Bedroom 4

Balustrade to be capable of resisting a horizontal force of 0.36 KN/m at 900mm height.

All roof voids to be decked and insulate

Purlins as per Timber Frame drawings.

4500

NOTE: The building shall be adequately equipped with high-speed-ready -in-building physical infrastructure up to the network termination points. This shall be in the form of a 20mm dia, duct with a slight fall to outside which has been fitted with temporary seals (location of which is labeled $\beta = \beta$ on logout plan).

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Bedroom 3

Frum Landing (6) Smoke

Void

3300

12300

1000 2050

Bathroom

Access Hatch.

VENTILATION (PIV + Extract Fans): Environment loft mounted Positive input Ventilation (PIV) systems shall be filted as per the manufactures instructions. On completion of the installation, the correct preset flow rate shall be set by the installer in accordance with the provisions of TB K: 2017 Table 2.2.

Where the PIV system is installed in dwellings with a volume greater than 120 cu. m. and an air tightness greater than 3m²/(h.m²) at 50 Pa, trickle vents shall not be required.

All remote wet rooms with openable window asshes must be fitted with extract fans. Extract fans to be quiet so as not to discourage their u occupants. Wet rooms with no openable window must have continuous level rate mechanical extract verkitation with boost facility.

Them under internative sexual vertication with blood foolity. Their ambondous treatment and ys associated controls shall be tested and correlisationed to essure that on adequate meets of vertication and their controls of the sexual shall be sexual to the sexual shall be present carriage of the sexual shall shall be of more than 5 days after me person carriage of the sexual shall shall shall be sexually shall be shall shal

To ensure good transfer of air throughout the dwelling a gap of about 10mm from finished floor level will be required under all internal doors (20mm from screed).

All ventilation devices should be designed to meet the performance requirement given in the Domestic Ventilation Design Guide.

The inflitration of cold air through the building fabric shall be limited by sealing all gaps between dry lining & masonary walls, sealing gaps betwee fromes & open, access hatches, service peretrations & around joist ends till work to comply with Technical Booklet F, para 1.35 & diagram 1.5.

Cooker hoods should be 650-750mm above the hob surface (or installe as per the manufacturer's instruction).

All Bathrooms Shower Rooms, URISH, WC & Kitchen floors to be tiled.
(Labour only, product supplied by clare).
All Bathrooms, Shower Rooms & MC walls to be tiled full height. (Labour only, product supplied by cilent). Kitchen & Utility wall tilling as directed by cilent.

ELECTRICAL:

The content to the lotest addition of the IEE Regulations and shall be corried out by to NICEC Registered controctor.

The Installation shall lackule a minimum of:Living rooms — 3 No. teln acciets.

Korben — Cocker circuit, 4 No. teln acciets & 2 No. 15 amp radial

Richien – Cooler circus, 4 no. um survenus au. 1861 – 2 single scoteds. Bedrooms – 2 No. tris societés each. Societés to les minimum of 150mm done vortop level and 150mm to societé soit en minimum of 150mm done vortop level and 150mm to societé soit de minimum of 150mm done vortop level and 150mm to schien 450-1200mm done floor level. Provide decleral plaffic point is societ room and passagency (100% of fixed lighting to be low energy lighting).

External lighting shall —

(a) have a maximum output of 100W per fitting and automatically

off —
(i) when there is adequate daylight; and
(ii) when not required at night; or
(b) have sockets that can only be filted with lamps having a luminous efficacy greater than 40 lumens per circuit—Watt.

ART TIGHTNESS:

Air permeability of 5.0m3/hm2 at 50% has been used in design cocioudations. This rate must be achieved by test on completion of the dwelling. Accredited construction details must be atrictly adhered to, and design measures as included in colarations to be provided on site, we plaster finishes to be used and district council must receive all statut notices.

AIR BORNE SOUND:
Within a dwelling, resonable resistance to the passage of airborne sound shall be provided by—
(a) internal walls that separate—
(i) a beform an order of the provided of the

(b) all internal floors.

(A) Concrete block waits in relation to above to have plaster finish on both sides with minimum mass per unit area, excluding finish 120 kg/m² and all joints well sock.

(B) PC sides in reddlion to above to have minimum mass per unit area 100 kg/m² with screed and ceiting finish optional.

190 kg/m² with screed and cealing frama optional.

PROSCIPAL BITMANCE 775mm clare one, with with risk. 15mm high between 15mm clare of the control of the co

Access to principal entrance to have level approach with a firm even surface in order to provide a safe means of access from the clases vehicle area to the ramped access.

CROUND FLOOR AREA = 120.36 sq. m. (1295 sq. ft.) FIRST FLOOR AREA = 91.60 sq. m. (986 sq. ft.) TOTAL FLOOR AREA TOTAL FLOOR AREA = 211.96 sq. m. (2281 sq. ft.) (excluding stairwell/void) = 202.27 sq. m. (2176 sq. ft.

These drawings to be read in conjuction with Timber Frame / Structural Engineer's Reports & sketches. Any discrepancy to be reported prior to fabrication or installation.

All construction details to be read in conjunction with "Accredited Construction Details (Sodband) 2010 Part 3 — Timber Frame Junction Details and all work corried out in occordance with some. Upon completion, a signed copy of each Accredited Detail shall be provided to Bildings (Contral and heising bent completed satisfactority, and the provided of the provided to Bildings (Contral and heising bent completed satisfactority).

Install Envirovent Positive Input Ventilation (PIV) unit in roof void in ocordance with manufacturer's instructions. (This will eliminate the seed for trickle vents.) Provision of electrical supply and connection o unit to be corried out by a qualified electrician. PIV unit to be acted min. 1.0m from any smoke alarm.

10mm

16mm

NOTE: Energy performance certificate to be forwarded to Building Control on completion.

NO. OF BARS.

2

2

2

DIA.

10mm

10mm

12mm

12mm

16mm

20mm

Proposed floor plans bell|design TWO DWELLINGS WITH DOMESTIC GARAGES - House Type 2 REOD, BY: REV. BY: AO Group AHDB 05.04.22 SITE: ADJACENT to & NW of 35 CLADY ROAD, ARMAGH. AO Group AHDB 19.05.22 AO Group AHDB 23.05.22. 123 CROSSKEYS ROAD APPLE ORCHARD CONSTRUCTION. AO Group AHDB 23.06.22. RMAGH, N.L. BT60 3LD . Con. AHDB 30.01.24. HOME 8 CASTLEBLAYNEY ROAD, KEADY, ARMAGH, RT60 30P. . Con. AHDB 29.02.24.

B497-3898-22/HT2.

1050

-IMPORTANT-THE BRAND NAMES SHOWN MUST BE USED IN ORDER TO ACHIEVE THE CORRECT SAP RATING A FINAL SAP CALCULATION MUST BE PROVIDED TO RUILDING CONTROL WITHIN 5 DAYS OF COMPLETION FOR DWELLING AS CONSTRUCTED.

IT IS YOUR RESPONSIBILITY TO ENSURE YOU ARE
WORKING TO THE LATEST EDITION OF THIS DRAWING
IF IN DOUBT — ASK. DO NOT SCALE.
CHECK ALL DIMENSIONS ON SITE.

PROPOSED FIRST

FLOOR LAYOUT

CONSTRUCTION ELECTRICAL LEGEN

DRAWING ISSU

X PLANNING

X BLDG. CONTR'I

⊿D

INTEL SCHEDULE mix, reinforced with high yield twisted stee nd to BS 4483. All lintels to be 100mm no The following P.C. sums to be included in all tenders. The P.C. sums do not include V.A.T. and to have 250 P.C. SUM: MAX CLEAR DEPTH OF TOP REINFORCEMENT BOTTOM REINFORCEMENT OPENING WIDTH LINTEL

150mm

150mm

150mm

225mm

225mm

225mm

225mm

900mm 1200mm 1500mm 2400mm

1800mm 3000mm

PROVISIONAL COST SUMS

Denotes timber frame stud
wall - See T/F manufacturers
drawings & specification for
full details. All materials & workmanship to accord with current B.S.S., Codes of Practice or other E.U. equivalent. FLOOR LAYOUT DETAILS: House type & site layout updated. Rear dormer revised. DWN AHDB CHK AHDB PROJ 3898 DATE MARCH 2023.

750

Bedroom 3 door relocated. General updates - refer to BR3 Wall insulation updated.