SENERAL NOTES

Values are before commencing any building work, that the necessary planning approvals are in place and all pre-commencement confidement and ischarged; Purity Wall agreement nectived (where required), and approval scoph them is fighways angineen if you inland to depeak building matinatul/blips or end a scaffold on the read or foobly for got lighted his house building matinatulation and scaffold on the read

«If you are plansing to carry out demotion work greater than 50m<sup>2</sup> in volume you will need to notify BAGing Control teleror you start under Section 60 of the BAGing Art 1944. The applicant list articula to he following document for beat practice during denotion and construction works: Witerstanzing Regulatory Structures Tools of BAGI Practice Normalities and Construction Start witch can be load on the WRS

egservices.gov.uk/media/448881/WRS-contractor-guidance.pdf

A Refurbialment & Demotion Survey is required where the precises, or put of R, need upgrading, neutrabilment or demotion. This almo is ensure that nobody will be hummed by work on Abbarlos Containing Materials (ACM), and that any such work on ACMA will be done by the night contractor in the night manner.

Please inform Building Control at the relevant stages of work in order that the statutory inspections can be carried out. Notice must be given at least 48hrs before start of works.

before start of works. <u>CMM 2015</u> The Principal Contractor is to discharge its dicks as prescribed within the Controllocin (Velopin & Manupanen) Regulations 2015; and is to adopt the principal provincing. Less material year of managing the ricks to health it subsyletions to the storps of course of the store of the store of the store of the principal as entry and course of the store of the distribution of the store of the sto

- British Board of Agrement certificates (BBA)

Plans 1:50

### Part L - TER/DER and TFEE/DFEE calculations: Ensure TER / DER and TFEE / DFEE calculations are submitted to Building

Control benets whereasy and a Bruckural Engineering Refer to study and a study of the study of the Refer to structure lengthese's details for all elements of structure these shall take precedence over architectural details on elements of structure. If in any way in doubl, refer or ern to contract administrator for resolution

Party Wall Act A Party Wall Notes may be required for works excernsion works edjacent to the boundary, and it to must be sarved by the owner no less than the stpulated time (one month) before any works are planned to commence.

Severn Trent Water Athority - Excervation class to public a swer STW may require a Building-Over or Close-to Agreement if any existing public (Section 24) server to located within the postmitry of the works. Derivipour planning to kvild loca or over a public server have to serve pormiscion from the relevant serverage company. It is linged to interfere with a public sever unless secret from the second server a public server have to serve

Walls Editansity candy wai construction comprising Silcone moder system by Weber SBD or Krand or aimitar. (10mm outer blockwork) (10mm modey and (10mm block) (ambda 0.16) imar tast. Certify is be haudated with Dithern Ultansia 32 or aimitar approved hall fit haudation on coloub blongs a takings at sole cardy wait itse to bit 7134 with form embediment in each lead and alpool downwards to coloritad, poolitood at 750mm cardine horizontally and 430mm controls avriadally, additional will be swithin 25mm of reveals of unborded opening at 300mm centras vertaally. Wall itse to be fitted with haudation on instructed plates tood mechanically faced to imare state and stim foliab, to active minimatery value of 0.54mm<sup>2</sup>b. chieve min target 'v' value of 0.18w/m².k.

<u>Mortar</u> All mortar shall be of the mit proportions necessary to achieve adequate strength and durability in accordance with NHBC standards - Appendix 6.1, d.

Initianal participal Provide Torm @ Goomm cfc timber studyock internal partitions; non load bearlog; My lied with Rockwool Soundquit, with a layer of 12.5mm Soundourd and plaster talm each talk to active a minimum 4340 noise reduction. Prol Bore study watel, deview bolancia bane minimum 1840 noise reduction. both sides for lateral support to masonay. Use 100mm 7H medium density concrete block on foundation where halched or

## Hist roof construction Required construction for largel u value 0.15W/mW : equivalent to 175mm of

Colour Fail root ba carried out as detailed on the drawings. Molature context of Ember a bodd not acceed 20% and to be king dried & grade C16. Workmanity to comply to B5 8000-1. Al faings to be proprietary stainless statices or generatized steel. ataproof covering to be propriatary startures steel or galvanized steel,
 ataproof covering to ba:
 Glass relations
 Bas condition

of covering to be laid in compliance with manufacturers details by flat Waterpoot covaries to be lated to compliance with manufactures deltab by fait roofing specialization besprains folgores entro followables deprise in compliance and below to form a 'warm roof faced to 22mm statematig quality physical desking or match joints, based and to 15000 minimum profisient using face of the all specialization match joints, based and based that for all physical desking or match joints, based and based matching or the compliance with TRADA specialization are according or the compliance with TRADA Specification and and the drawing or in compliance with TRADA Restrain flat north to actional wards by the provision of 30 as 51 1000mm bland and matching that are duration 2000m on earlies matching that the top of the provision of 30 as 51 1000mm bland and matching that are the actional wards by the provision of 30 as 51 1000mm bland and matching that are the actional wards by the provision of 30 as 51 1000mm bland and matching that are the actional wards by the provision of 30 as 51 1000mm bland and matching that are the actional wards by the provision of 30 as 51 1000mm bland and the actional wards and the statematic actional wards and the statematic action at the statematic actin at the statematic action at the statematic

Refund that nor to access will be by the provision of 30 x 5 x 1000mm Infant restant straps at machener 200mm centers that to 100 x 50mm mail plates and thank will access that nord insulation to be confluence with the well isolation Note conthe norm nod applications i.e. where the insulation is fixed above the structural lede choir require virialition-only where permitted in accordance with product manufectures details. The design, worthmatche & selections with product manufectures details. The design, worthmatche & selection of matination heads comply with Model Specifications Issel PL II. Built Monoling Thywood Deek, published by The Bittish Fill Roofing Chound, Mataliar red threa to be of non-corrobite matelial à rististant be useful at fail deveng the watter proof covering. All those to be treated using CCA vacuum/pressure of CS double wacuum to Be Stable. Industry at least regulated net to solorm of any joint. Work though only our corrib banks in tergulated net undenskie of the nord blow the banksiton invel. The 12 Jams fail backed platisticat (phits stoggered) and Smir Matrice of Erlahring plates to Baundeskie of La cellings using gehanized platstocard nalis.

to be in accordance with the manufacture's recommendations and iona. Ridge lites to be mechanically fixed for first 900mm. All roof works to led out in accordance with BS5534. Codes 4 & 5 lead will be adequate for flashings. Reference should be made to Lead Sheet Association for best use. A cost of pathation of should be appled t lead flashings after fruing.

Recting generally roof covering to be concrete ties, colour to match existing, fixed in accordance with manufactured and recovering the second s

<u>recent painter</u> is to ensuing the origination with subsection as a recommendation statistic, and in accordinate with manufactured in accommendation as a recommended for more picture, on 38mm x 28mm Type A tracked and tables as to perspirate centres (grave) is all the action of the statistic and a constraints). Tyrek or similar manteness. Additional balance to all unrealization of the ordeps. (Og all Ellos to all priorities for ord for the last is 50, of the statist in the ordeps.)

# Rect Insulation 300mm glass fibre insulation target u-value 0.11W/mW laid between and over the

visit arove (i.e. i form has appendia using a second by the second by

Decorations by contractor

# Electrical Sockets, switches, telephone sockets etc. to be located between 450mm & 1200mm above frished. Foor level and to be contrasting to wall background

### GROUND FLOOR Level threshold to doors Siding doorset by specialist and to client mail James Velux flat rooffor Vehrs flat rooff of ..... new rwdp exnud Rebuild pler as se instructions Rebuild pler as instructions New window over to be in existing wall Bedroom 4 Bedroom 2 Utility Remove walls and insert new structur beams to suit engineers datals. WC new studwork to comprise 50x75mm plates and studs al 450mm centres. 50 acoustic quit betw studs and 12.5mm plasterboard and al to each face . Pres Bathroon New window over to be in existing wall 50x10mm studwork to Inside face of garage and 2.5mm utd plar as so Remove afstig staircase and part away, 1 oard to inner Rebuild pler as a Instructions Robulid pler as a instructions TRIPLE JOIST -150x90Pi beam

### <u>Electrical work</u>. To be designed and installed in eccordance with Bia recommendations of the IEE withing regulations and in compliance with BS1671 design, Installation, Isspection & Issifting by appropriate completing portion all as a defined & outfined in Bioge Partia 14 a PA. Altwork in the bia confider. In the obstrainal tradition in body induces for all ower, and lighting supplies

Uphing Provide 100% energy efficient lighting for fixed light fittings in accordance with Regulation LL J. Sirvije twich should normally operate no more than eix fittings with a machinum Iolal load of 100 circuit wells.

### Hot and cold water services To comply with the Health and Safety legislation for legional a pre-

To carry min we result and samy leganton for legionals precations hol writer mult be priorited at above 06 degree calabus and distributed at 05 degree caldus. Thermonials many values to be provided. Hol to poin in when no combined tap. All prevent and installations to conform to Approved Document PAI G with no calding potential. Part & which to earliefup pointal. Part & which to earliefup pointal. Say unvertish of twice at draps a point in much not exceed 400 like expansity and Saw logat. Additionally the storage vasual should incorporate: • a thermatik. • a thesa 22 biologuedral safety devices it.e. a to mperature milet (value and a non-self meeting) a sarry call of the provest the storage-much and at any line exceeding 100 deprese tablas. • a clickwarp by boint much safety devices it as a tambit to an appropriate piece opens to be stronghore (rafer to diagram 1 and paragraph 3.82 of approved document b). Any unverted to leatter storage unit is to be indelibly marked with the following information:

a, the manufacture's name and contact details:

a the mathematics is near and contact optima; b. a model mission; c. The rated storage expectly of the storage heater; d: the operating pressure of the system and the operating pressure of the separation value;

expandion valve; e. netward operating data on each of the safety devices filled; the maximum primary droug pressure and four lamperature and indirect hol water storage systems units or peckages. In seddato, the warning sign as 3.2.4 of AD Part G should be indelibly marted.



L

sed in 15mm FireIne board with all joints fully

per opening & filled with perpend joint plants codes. <u>Windows</u> - Io be thermally broken dooble gized upon with Argon filled esaids dooble gized unby by pocial FEANS approved markathers and be provide a minimum 1.6WinYK UT value. Colour - Io EA supproval. Finansa Io koncornal któkk venta o takleva background ventifation el 600mm<sup>2</sup> b habibat rooma. Ensure opening lighte equal 5% of total facor ana. Provide umpit esaib a lo viridova esa do takleva background ventifation el 600mm<sup>2</sup> b habibat rooma. Ensure opening lighte equal 5% of total facor ana. Provide umpit esaib a lo viridova esa do takleva background ventifation el 600mm<sup>2</sup> b habibat rooma. Ensure opening lighte equal 5% of total facor ana. Provide trans followm and doors / sidelytab less than 1500mm from finitabed focor level. Egress withom to be provide lo ta life facor habibats between thomas with a desar openas opening of 0.33m<sup>2</sup> with at least the width and the habibat ber minum 450mm with cits heights between 680-1100mm from finitabed focor levels.

Structural datages Rafut is a precisited datage calculations and details by Structural Engineer. Structural details take precedence. Structural laskwork ALLOW PC SUM OF E2500.00 FOR THE SUPPLY OF STRUCTURAL STEELWORK

Austoriu i Ulimbar Al structural limbar Imprognate dwa na spowed proservative. Wall plates are also to be pressure imprognated with all cut onds treated on alto with an approved brush applied pro-

Denting Denting All criticals to be closed at envers with blockneck and around openings with propriatary traulable criticy denses incorporating d.p.c. Lithis to openings to be Cabric or similar with mainum 150mm endoesdrigs with stop-ends and are to be factory bandlated. We hole through outer all above opening at maximum 450mm entities; maintenum 62 m per opening & filed with perpend joint plantic excides.

Structural staal fire protection

Heating controls Time and temperature zone control shall be provided for SAP compliance. Under floor heating to entire ground foor. Rediators to upper floor.

<u>Derings</u> Al drahuge as indicated to be hatalified in attict accordance with approved Document Part H 2002 (2010 Amended) to the astifaction of the local authority building inspector New storm variate connections to existing storm system. All drahuge runs to be laid

New same many section many section and a section of the section of

possible re-use. Provide an anti-siption trap to second foor behaviorns to diagram 3 of Approved

Surplus surface writer is to discharge in to soakaway located min 5m from any building or road - subject to percolation tast by contractor in accordance with BRE

Foul water is to discharge via final manhole to existing foul drain

Drainage below ground to be 100mm PVCu with Excite joints at max, 5000mm centres taki to faits. Where drains pass through or below walls concrete releving Training and the product of the two in the two instance prove strate. Solving control table to be provided. All pipes running under facers or drivings are to be encased in 150mm controls. Generally pipes are to be 150mm class B bed of pas gravel. All hupedion chambers to be \$70mm classels FBP in our same and 4000000mm britch built in humans.



Excavalion near neighbouring buildings (Section 6 of the Party wall Act) If you; excavale, or excavale for and construct foundations for a new builting or If you cannot be example for and constant foundations for a new balling or structure, within a meries of any pair of in engliborating events balling or structure, when any pair of ball work will go desport than the neighbora's foundations or example for and constant for an even balling or structure, when any pair of ball work will meet a line drawn down and 145° In the direction of the activation for the and even downwards at 145° In the direction of the activation for the activation (store pairs) and the activation of the Adjoint of you must failer the Adjointing Owner or owners by serving a Hollow of Adjoint Examples.

Escavalion close to public sewer: Developers planning to build close or over a public sewer have to seek permission from the relevant sewarage company, it is llegal to interfere with a public sewa unless consent from the relevant sewarage company has been given.

Accredited Construction Datalis (ACDs) The use of the ACD's during construction shall be used by the contractor to use of Bra ACD's during construction shall be used by the contractor is iconstrain that provision has been made to eliminate at reasonably mode mail bridges in the incutation layors (so far as the details apply). Specific fance may be found in each of the approved documents,

miding varius.
Planting
Planti

- The unverted bol veter storage system to be located in loci, must not exceed 500 three capacity and 450e hput. Additionally the storage vessel about a location of the storag

Any unvented hot water storage unit is to be indelibly marked with the following the manufacture's name and contact details;

De manufacturés name and costact details; a model niennoa; De nielo dioroge capacity of the storage hastar; De opening pressure of the system and the opening essure of the argumation valve; relevand opening data on each of the safety devices filled; the automation of the pressure and the winnershare also storage systems units or packages.

in addition, the warring sign as 3.24 of AD Part G should be indelibly marked

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### GENERAL NOTES •Make sure before of Carbody An IVEs WAlks sure below commencing any building work, that the necessary planning approvals are in place and all pre-commencement conditions are discharged; Party Wall appresent reschwiel (where appliced), and apport alsoght from Highways engineers if you inlend to deposit building material/alsops or erect a scatfold on the most or dorphish or cut his/build bighwayr scheining schutzers.

•If you are planning to carry out denotition work greater than 50m<sup>2</sup> in volume you will need to notify Building Control teletors you start under Section 80 of the Building Act 1984. The applicant is directed to the Building Act 1984. The applicative Section 2004 during demotion and construction works. Worksteinvirin Regulatory Sections 2004 of Building Act 1984. Demotilion and Construction Staff which can be found on the WRTS. website at

•A Refurbishment & Demolition Survey is required where the premises, or part of it, need upgrading, refruitsment or demonstration up premises, or part of it, need to provide a strategies of the strategies of th

### Please inform Building Control at the relevant stages of work in order that the statutory inspections can be carried out. Notice must be given before start of works. ice must be given at least 48hrs

COMM 2015 The Phinoipal Contractor is to discharge its duties as prescribed within the Construction (Design & Management) Regulations 2015; and is to adopt the principles of prevention when assessing and managing the risks to break & satidy during the phanning, tendering, & execution of the construction works; provide a Health & Sately Viria Management site stelp; and compile a Health and Sately File for handover to the client at the end of the project, as required under COM 2015.

- the project, as required under CDM 2015. <u>Materials and workmanship</u> All materials must comply with the following: -Building Regulations (and Amended) 2015 -British Standards or European Standards +Product certification schemes (bite marks)
- Product certification schemes (late marks)
   •Quality assurance schemes
   •British Board of Agrement certificates (BBA)
   •Local authority national type approvals (systemetry) tional type approvals (system approval certification

### Part L - TER/DER and TFEE/DFEE calculations: Ensure TER / DER and TFEE / DFEE calculations are submitted to Building

Control before building work Structural Engineering Refer to structural engineering Refer to structural engineering details for all elements of structure where noted and these shall lake procedence over architectural details on elements of structure. (If a say way in 6cub, refer concorm to context administrator for resolution.

Party Wall Act A Party Wall Noice may be required for works excavation works adjacent to the boundary, and its must be served by the owner no less than the stipulated time (one month) before any works are planned to commence.

Severn Trent Water Athority - Excavation close to public sewer STW may require a Building-Over or Close-to Agreement if any existing public

STW may require a Building-Over or Close-to Agreement if any existing public (Section 24) severe is located within the proximity of the works. Developers planning to build close or over a public sever have to seek permission from the referrant severage company. It is flegal to intrafere with a public sever unless consent from the referrant severage company has been given.

### Walls

Wails Extensity cavity wail construction comprising Silicone needer system by Waber SBD or Kreed or sinitar. 100mm order blockwork, 100mm on-wity and 100mm block (ambda 1.01) inner kall. Cavity be bankaldet with Dreithem Histinat 26 car sinitar agrowed hull fill insulation on double brangle statistics stellic carly wail fees to B5 1203 with 50mm orders in factor and the and adged doublemarks to dor lead to positioned at 170mm orders for hordership and 450mm centres vertically, additional wail fees to be fitted with insulation relating cips. Mn 40mm insulated plasthoard mechanically fixed to inner skin and skim finish, to achieve min larget U value of 0.184mP.X.

# <u>Mortar</u> All mortar shall be of the mix proportions necessary to achieve adequate strength and durability in accordance with NHBC standards - Appendix 6.1, d.

### Structural design Refer to specialist design calculations and details by Structural Engineer. Structural details take new encodence Structural steetwork ALLOW PC SUM OF £2500.00 FOR THE SUPPLY OF STRUCTURAL STEELWORK

Structural timber All structural timbers are be from machine graded timber which is to be vacuum impregnated with an approved preservative. Wall plates are also to be pressure impregnated with all cut ends treated on site with an approved brush applied pre

Structural steel fire protection All structural steel steel is to be encased in 15mm Fireline board with all joints fully wide minimum 30min. fire resistance.

Sealed to promote minimum terms with blockwork and around openings with proprietary All arrifles to be dosed at envies with blockwork and around openings with proprietary insulated carry blocks incorporating d.p.c. Linklet to openings to be Cathic or similar with minimum 150mm end-bearings with stop-ends and are to be factory insulated. Weep holes through out erial above openings at maximum 450mm centers; minimum 42 no. per opening & fitted with perpend pint plastic outlets.

per opening & fitted with perpend joint plastic outdets. Windows - to be thermally broken acuble glazad up on with Argon filed sealed double glazed units by specialist FENSA approval. Frames to incorporate trick wents a achieve background ventilation of 6000mm<sup>3</sup> to habitable rooms. Ensure opening lights equal 5% of total foor area. Provide draught easis to alvindows and doors. Sakety glazing to BSR208 to windows less than 800mm and doors / sidelights less than 1500mm from finished foor level. Egress windows to be provided to all for foor habitable transes to be provided to all for foor habitable transes to the provide to all for foor habitable transes and the second second second second second and the height being antimum 450mm with oils heights between 800-1100mm from finished foor levels.

Internal partitions Provide Tomin (B 600mm c/c limber studwork internal partitions; non load bearing; High filled with Rockwool Soundyalt, with a layer of 12.5mm Soundbaud and plaster skim each side to achieve a minimum Addo noise reduction. Prist from stud with (where indicated) to have minimum Rom WDP plywood to

both sides for lateral support to masonry. Use 100mm 7N medium density concrete block on foundation where hatched on

# Flat roof construction Required construction for target u value 0.15W/m7K : equivalent to 175mm of

Ceblex Flat roof to be carried out as detailed on the drawings. Moisture content of timber should not exceed 20% and to be kin drived & grade C16. Workmanship to comply to B5 60004. All fixings to be proprietary stainless steel or gahanized steel. sterproof covering to be: Glass reinforced plastic (GRP) system with a current BBA or other approved accreditation

• Glass minkored plastic (GRP) system with a current BBA or other approved accordiation. Waterproof covering to be taid in compliance with manufactures details by fail toring specialized too steparating type over nor of nackdown layer in compliance with below to form a human coff first lo 22mm external quality physicol decking or similar approved bids lo 163008 minum gradient using firing steps at spacing to match joists, and onto first lo azime external quality physicol decking or match joists, final do not first lo azime external quality physicol decking or match joists, final do not first lo azime external quality physicol decking or match joists, final do not first lo azime external quality physicol decking and an anothelid on the drawing or in compliance with TRDDA SpanTables. Restrain fait nod to esternal walls by the provision of 30 x 5 x 1000mm lateral restraint stroge at maximum 2000mm centerism faits to 100 x 50mm vall paties and internal wells by the provision of 30 x 5 x 1000mm lateral restraint stroge at more darge physicols to locatoria with the well insultion. Only when permitted in accordance with product manufactures details. The doing curvent lateration for physicols to be don't matching the provision of 20 x 5 mm and paties and internal wells by the provision of 20 x 5 mm and physicols to be doned to a state the structural deck do not require wellation-only when permitted in accordance with product manufactures details. The doing curvent, Metatine conditions to be of beck, politabar (b) the British TRI RHONG (Curvent, Metatine conditions to be of the doned physicols on the doned physicols to a state of the state to be of beck politabar (b). The British TRI RHONG (Curvent, Metatine conditions to be of the conditions of the state) and the state of t should comply with Model Specification Sheet PL L1 Built-Up Rooting: Physocol Deck, published by The Briths That Roofing Council. Metallic root firms to be of non-controllele material & resistant to surlight & not faund through the water proof overing. All Imberts to be trastatic using CCA vacuum/pressure or C/S double vacuum to BIS 52685, including all out ends of imber etc 300mm of any pint. Work should not be enrited out all way we watter or when the dock has not M/y divid cho AI. 500g vapour control barrier is required on the undenside of the mol below the insultation lower. First 25mm to Blocked platethored (prints taggered) and Smm skim coal of finishing platets to the undenside of all cellings using galarized platethored mails.

Electrical Sockets, switches, telephone sockets etc. to be located between 450mm & 1200mm above finished. floor level and to be contrasting to wall background.

### Decorations by contractor

Lead Sheet Association for us lead flashings after fixing.

Codes 4 & 5 lead will be adequate for flashings. Reference should be made to Lead Sheet Association for best use. A coat of patination oil should be applied to

lead tashings after form,. Root Insultion 300mm glass fibre insultation target u-value 0.11W/m7K laid between and over the truss chords (2x 150mm laid perpendicularly) <u>Ceillings - all ceilings</u> to be 12.5mm throughout, noting that 30 minute fre protection is required to new steehoods with either intumescent paint or 15mm min Finitine board measurent. All pints to be staggered than taged and filed as per manufacturer's recommendations and all ceilings to have plaster skith finits. Note: where a variable ceiling is constructed that the ceiling is to physical sheathed for rood spread in accordance with structural engineer's details.

The spread in accordance with a social are spread to be also. Smoke Detection of Tex Alarm Mans powered interfinited fully maintained smoke detection system is to be installed throughout the property and to be in accordance with BSS839 P11 2002 or the latest current ligitation. All work is to be certified. Provide a carbon monoxide detector within noon containing solid fuel burning appliances in accordance with Part J 2010 section 2 para 2342-36 for suitable location.

Electrical work To be designed and installed in accordance with the recommendations of the IEE withing regulations and in compliance with BS1671 design, installation, inspection & testing by appropriate competent person all as defined & outlined in B Regs Parts PI & P2.4 Work is bit to entificit. The electrical installation should include for all power, and lighting supplies

# Hot and cold water services To comply with the Health and Safety legislation for legionella precautions hot water must be generated at above 60 degree celuius and distributed at 55 degree celuius. Thermostitic mixing valves to be provided. Hot tap on Heit where no combined tag. At Diperox and Installations to conform to Approved Document Part G with no scaling potential. Any unverted hot water storage system must not exceed 500 tirtss capacity and 45w input. Additionally the storage vessel should incorporate: • a thermostite.

a thermostat at least 2 independent safety devices i.e. a temperature relief valve and a non-sell resetting energy cut-out to prevent the temperature of stored water at any time exceeding 100 degrees celcius

any time exceeding 100 degrees celcius a discharge proferm the safety divices via a tundish to an appropriate place open to the atmosphere (refer to diagram 1 and paragraph 3.62 of approved document (g). Any unwented hot water storage unit is to be indelibly marked with the following internation:

Any unmeth of the water storage unit is to be indelibly marked with the following information: a. the manufacture's name and contact deality; b. a model reference; c. the rated storage capacity of the storage heater; d: the operating resource of the system and the operating pressure of the expansion value; e. relevant operating data on each of the safety devices filled; the maximum primary circuit pressure and for lemperature and indirect hot water storage systems units or packages. In addition, the warning sign as 3.24 of AD Part G should be indelibly marked.



Roofing generally roof covering to be concrete likes, colour to match existing, fixed in accordance with manufacture's recommendations as recommended for roof pibl, on 38mm 4.25mm Type A treated we battere at appropriate centres (gauge to suit less of) on 38mm 35mm treated ser counter tatteres on treathable Typek or similar membrane. Additional batteres to all unrestrained fact overlaps. (b) pill tills to all perminets or diright at less 11% of the width of the battling. All fixings to be in accordance with tills manufacture's recommendations and instructions. Riving lists to be methanically fixed for first 800mm. All nod works to be carried out in accordance with BSSS14.

Heating controls Time and temperature zone control shall be provided for SAP compliance Under floor heating to entire ground floor. Radiators to upper floor.

Drainage All drahage as indicated to be installed in strict accordance with approved Document Part H 2002 (2010 Amended) to the satisfaction of the local authority building inspector

building inspector New storm valet connections to existing storm system. All drainage runs to be laid at min 1 in 40 fals Ensure pea gravel bod and sumound to all pipework; cast iron covers and frames to all new chambers. All existing drainage outfalls to be located and assessed for morehaments

possible re-use. Provide an anti-siphon trap to second floor bathrooms to diagram 3 of Approved

Sorphis surface water is to discharge in to scetaway located min 5m from any building or road - subject to percolation test by contractor in accordance with BRE Digest 365 Fool water is to discharge via final manhole to existing foul drain

Drainage below ground to be 100mm PVCu with flexible joints at max. 5000mm centres liad to fails. Where drains pass flowugh or below wals concrete relieving finites are to be provided. All pipes numing under floors or drivenays are to be excased in 150mm concrete. Generally pipes are to be below in and surrounded in 150mm dass B bed of pas gravet. All impection drambers to be 450mm dramte GPV in ord areas and 4000/800m brites built in hard areas.



Excavation near neighbouring buildings (Section 6 of the Party wall Act) If you: excavale, or excavale for and construct foundations for a new believe or you excarate, of excarate for any part of a neighbouring owner's building o tructure, which 3 metres of any part of a neighbouring owner's building o tructure, where any part of that work will go deeper than the neighbour's foundations; or excernals for and construct foundations are new building or structure, within 6 metres of any part of a neighbouring owner's building or structure, where you part of hardwork will meet a line drawn downwards at 45° in the direction of the excernation from the bottom of the neighbour's foundations you must inform the Adjoining Owner or owners by serving a Holdee of Adjoent Excernation

Excavation close to public sewer: Developers planning to build close or over a public sewer have to seek permission from the relevant sewerage company. It is illegal to interfere with a public sewer unless consent from the relevant sewerage company has been given.

Accredited Construction Details (ACDs) The use of the ACD's during construction shall be used by the contractor to demonstrate that provision has been made to deminate all reasonably providal thermal bridges in the insulation targets (of far as the details apply). Specific guidance may be found in each of the approved documents.

guidation large de local in esta portes ouccurrents. Babler (freglaces) Only bollen with an efficiency of 99% or alcore (SEDBUK 2005, previously Inovan as SEDBUK 2004 data, the minimum efficiency is 80%, This applies to existing dwelling as well as new build. Contractor is to priors for External Worcester Bosch Greenstar sized to suit property. New radiators are to be fitted with thermostatic mixing values.

mixing values.
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- The unvented hot water storage system to be located in IoR, must not exceed 500 tires capacity and 45kw input. Additionally the storage vessel should incorporate: a theoret 2 hotopendent safety devices i.e. a temperature relief valve and a non-self resetting energy cut out to prevent the temperature of stored water at any time succeding 100 degrees coldus. a discharge pipe from the safety devices via a tundish to an appropriate piace open to the atmosphere (refer to diagram 1 and paragraph 3.62 of approved document g).

Any unvented hot water storage unit is to be indelibly marked with the following

- Any dimension to them sample is to be the entropy instruction and the information: A the manufacture's name and contact details; B an order reference; C the related storage acpacity of the storage heater; D the operating pressure of the system and the operating pressure of the expansion value; E relevant operating data on each of the safety devices fitted; the maximum primary circuit pressure and low temperature and indirect hot water storage systems units or packages.

in addition, the warning sign as 3.24 of AD Part G should be indelibly marked

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