

Red dashed line indicates assumed boundary line (mid point between party wall). Contractor to check and owner to confirm when setting out.

TRENCH FOUNDATION -Provide 600mm x 600mm wide trench fill foundations. All foundations to be a minimum of 1m below ground level, exact depth to be agreed on site with Building Control Officer to suit site conditions. -Concrete mix to relevant British Standard found in Part A of the Building Regulations -Sulphate resistant cement to be used if -Foundations to be constructed below invert level of any adjacent drains.
-Ensure there is heave precautions to foundations greater that 1.5m deep.
-Where foundations are to be stepped foundations should overlap by twice the height of the step, or 1m whichever is the greater.
The height of the step shage to be in accordance with Part H of the Building

FOUNDATION NEAR SEWER Foundations as to guidance notes and to be a minimum of 1000mm below original ground level. If foundations are within 1m of sewer then foundation depth to be min. 150mm

EXTERNAL WALLS BELOW GRND Wall to be Class A blockwork or semi engineering bricks in 1:4 masonry cement or equal approved specification. Cavities below ground level to be filled with lean mix concrete min 225mm below DPC.

Provide horizontal strip polymer (hyload) damp proof course to both internal and external skins minimum 150mm above external ground level. New DPC to be made continuous with existing DPC's and with floor DPM. Vertical DPC to be installed at all reveals where cavity is closed. not to scale

SOLID FLOOR INSULATION OVER SLAB (SCREED FINISH)
-Minimum U Value required of 0.22 W/m²K -Solid ground floor to consist of 150mm hardcore. Blinded with 50mm sand blinding. -Provide 150mm ST2 or Gen2 ground bearing slab over a 1200 gauge polythene DPM. DPM to be lapped in with DPC in walls. -Floor to be insulated over slab and DPM with butted and as to manufactures instructions -25mm insulation to continue around floor perimeters to avoid thermal bridging -Lay Polythene VCL over the insulation boards, all joints to be lapped 150mm and -Finish with 65mm sand/cement finishing. -If existing floor is suspended: provide ventilation tubes in proposed floor to maintain

Contractor to check structural engineers notes and calculations for special foundations, i.e. pad foundations, ste post connections, below floor level steel work etc

EXISTING TO NEW WALL -Cavities in new wall to be made continuous with existing where possible to ensure continuous weather break. -Where new walls abuts the existing walls provide a movement joint with vertical DPC and pointed with flexible mastic as to manufacturer's instructions. All tied into existing construction not to scale with suitable proprietary stainless steel profiles.

EXTERNAL WALLS ABOVE GROUND -To achieve minimum U Value of 0.28W/m²K -External: 105 facing brick (to match existing)
-Cavity: 150mm cavity full fill with Dritherm34 (as to manufacturers details) or less -Finish with 12.5 plasterboard on dot & dab

WALL TIES
-All walls constructed using stainless steel wall ties or as to insulation manufacturers recommendations.

-The first run of wall ties to be located at 600mm centres horizontally at base of insulation. Subsequent runs of wall ties to be at no more than 900mm centres horizontally, 450mm vertically and 225mm ctrs at reveals and corners in staggered rows.
-Wall ties to be suitable for cavity width and as to British

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CAVITY CLOSERS All cavities to be closed around openings using an insulated non-combustible cavity closer with a minimum thermal resitance path of 0.45 m2k/w. Provide vertical DPCs around openings and abutments.

Window or door frame to overlap cavity closer by no less than 30mm. Seal joints

not to scale

CAVITY BARRIERS
30 minute fire resistant/acoustic proprietary cavity barriers or similar to be provided at tops of walls (unless cavity is totally filled with insulation), gable end walls and vertically at junctions with separating walls & horizontally at separating walls with cavity tray over installed according to manufacturers details.

Safety Glazing - All glazing in critical locations to be toughened or laminated safety glass, i.e. within 1500mm above floor level in doors and side panels within 300mm of door opening and within 800mm above floor level in windows.

Windows - New and replacement windows to be double glazed with 16mm argon gap and soft coat low-E glass Window Energy Rating to be Band C or better and to achieve U-value of 1.6 W/m2K. Doors - New and replacement doors to achieve a U-Value of 1.8 W/m²K. Glazed areas to be double glazed with 16mm argon gap and soft low-E glass.

LEAD WORK AND FLASHING -All lead flashings, any valleys or soakers to be Code 5 lead and laid according to Lead Development Association.
Flashings to be provided to all jambs and below window openings with welded upstands. Joints to be lapped min 150mm and lead to be dressed 200mm under tiles, etc. All work to be undertaken in accordance with the Lead Development Association recommendations.

Min U-value of 1.6 W/m²K.
Roof lantern to be double glazed with16mm argon gap and soft low-E glass. Window Energy Rating to be Band C or better. Roof lanterns to be fitted in accordance with manufacturer's instructions with beams/ doubled up joists as to Engineers details and suitable

Roof lantern to have a AA, AB or AC fire

FLAT ROOF STRAPPING -Unless specified by engineer, restraint to flat roof by fixing of 30 x 5 x 1000mm ms galvanised lateral restraint straps at maximum 2000mm centres fixed to 100 x 50mm wall plates and anchored to wall.

PROPOSED JOISTS/RAFTER SPAN Proposed direction or joist/span. Check guidance notes or structural engineers for sizes and specification.

CATNIC LINTELS ABOVE EXTERNAL Use suitable Catnic Lintel for opening width and cavity thickness. Lintels to have a minimum bearing of 150mm on each end. Stop ends, DPC trays and weep holes to be provided above all externally located lintels.

extract rating of:

60l/sec or

KEY (Fire - where applicable):
Mains operated linked smoke alarm detection system with battery back up: HD

-Max rise 220mm, min going 220mm. Two risers plus one going should be between 550 and 700mm. Tapered treads to have going in centre of tread at least the same as the The width and length of every landing should be at least as flight should leave a clear space of at least 400mm across the full width of the flight.

-Min 2.0m headroom measured vertically above pitch line of stairs and landings. Handrail on staircase to be 900mm above the pitchline, handrail to be at least one side if stairs are less than 1m wide and on both sides if they are wider.

WARM FLAT ROOF To achieve U value 0.18 W/m²K
-Single ply membrane i.e. Sarnafil, roofing providing AA fire rating for surface spread of flame with a current BBA or WIMLAS
Certificate and laid to specialist specification over 100mm Celotex Crown-Bond.
-Insulation bonded to VCL (either polythene or reinforced aluminium foil)on polymene or reinforced aluminium foil)on
19mm external quality plywood decking or
similar approved on SW firings to
minimum 1 in 80 fall
-70mm Celotex GA4000 between joists
-Joists C24 @ 400mm c/c as to Structural otherwise specified. Underside of joists to have 12.5mm plasterboard and skim
-Timber blocking at 1/3 spans or as to engineers details if specified otherwise Products installed as to manufacturers instructions.

ROOF WINDOWS

NOTES:

correct paper size and scale.

Location Plan

Scale 1:1250

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All dimension should be checked on site prior to works

Variations in squareness, depth of plaster etc, must be checked for. Where new walls are shown as aligned with existing walls, physical removal of brickwork and / or plaster to establish the actual position of the wall being attached to must be checked. Any discrepancies should be reported in writing immediately. When printing off PDF's, check that the drawings are printed to

Documents should be used as to the drawing status described.

Property owner to ensure that all aspects of the "party wall etc.,

act 1996" are complied with prior to any works commencing on

These drawings are not to be re-drawn, copied or sold unless

0 10 20 30 40 50 60 70 80

SCALE 1:1250

permission has been given by Signature Buildings Ltd.

rating if within 1m of boundary

STEEL BEAMS Supply and install new structural elements such as new beams, roof structure, floor structure, bearings, and padstones in accordance with the Structural Engineer's calculations and details. New steel beams to be encased in 12.5mm Gyproc FireLine board with staggered joints, Gyproc FireCase or painted in Nullifire S or similar intumescent paint to provide 1/2 hour fire resistance as agreed with Building Control. All fire protection to be installed as detailed by specialist manufacturer.

STRUCTURAL TIMBER Supply and install new structural elements such as new posts, purlins, roof structure, floor structure etc in accordance with the Structural Engineer's calculations and

INTERNAL STUD PARTITIONS -100mm x 50mm softwood treated timbers studs at 400mm ctrs with 50 x 100mm head horizontal noggins at 1/3 height or 450mm -100mm Rockwool mineral fibre sound insulation packed the full depth of the stud.
-Partitions built off doubled up joists where partitions run parallel or provide noggins where at right angles, or built off DPC on thickened concrete slab if solid ground floor -Provide 12.5mm plaster board with skim plaster finish.

EXTRACT Mechanical ventilation ducted to external air with an Shower Room/Bathroom/WC: 15l/s operated via the light switch. Vent to have a 15min overrun if no window in room

Utility Room: Kitchen: 60l/sec or 30l/sec if adjacent to hob, sealed to prevent entry of

KEY (Extract - where applicable): Mechanical Extract (to external air): Boiler Flue (to external air):

FD30 Fire Door (30 Minute Rated): Heat Detector:

Drainage to connect with existing. Drainage layout as shown or alternative layout to be agreed on site with

AUTOMATIC AIR VALVE
Ground floor fittings from WC to be connected to new 110mm uPVC soil pipe with accessible internal air admittance valve, placed at a height so that the outlet O A.A.V is above the trap of the highest fitting and connected to underground quality drainage encased with pea gravel to a depth of

going on the straight. Min 50mm going of tapered treads measured at narrow end. Pitch not to exceed 42 degrees. great as the smallest width of the flight.

-Doors which swing across a landing at the bottom of a Ensure a clear width between handrails of minimum 600mm. -Balustrading designed to be unclimbable and should contain no space through which a 100mm sphere could pass. Allow for all structure as designed by a Structural Engineer.

All work under construction must be protected overnight and during adverse weather conditions in accordance with relevant standards.

Contractor to check structural engineers notes and calculations for special foundations, i.e. pad foundations, sterpost connections, below floor level steel work etc

PLEASE NOTE: 1:100 = 1CM IS 1M.

1:50 = 1CM IS 0.5M SIGNATURE

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DRAWING TITLE Proposed foundation plan DRAWINGS STATUS **Building control** PAPER SCALE March. 2023 A1 DRAWN HECKED HR DRAWING REF: REVISION SH2