

SPECIFICATION

STRUCTURAL

Refer to structural engineer's drawings and specification.

FIRE PROTECTION

Steelwork to be protected by 15mm of Fireline board.

FOUNDATIONS

1:3:6 Mass concrete strip foundations to engineer specification, formed in 35KN ready mixed concrete at a min depth of 600 x 250mm deep to external walls
50mm lean concrete mix laid on Visqueen 1200 gauge Dpm turned up walls to join Dpc 150mm min above GL.
All on 250mm well consolidated hardcore blinded with whin dust.

SOLUMN

200mm consolidated blinded sterile material/type 1 and finished with 50mm thk. 35kN ready mixed concrete on Visqueen 1000 gauge DPM.

GROUND FLOOR CONSTRUCTION

22mm floor boards, 200mm x 50mm timber joists at 600mm ctrs with 170mm Kingspan TF70 between joists

EXTERNAL WALLS

All underbuilding to be formed in concrete block with D.P.C as required. Cavity weep vents to be provided below D.P.C. level. 20mm roughcast, 100mm blockwork, 50mm cavity, foil faced membrane on 9mm OSB, with 120mm Kingspan K12 insulation board between 140mm stud, vapour control layer and sheeted over with 37.5mm insulated plasterboard, finished with ames taped and filled joints. Fit stainless steel wall ties every stud ctr horizontally and 450mm ctrs vertically.
2 no layers of plasterboard to wall adjacent the boundary

CAVITY BARRIERS

50X50mm cavity barriers wrapped in DPC fitted around all openings, corners and wall head

GILLS

All gills to be Pre-stressed coloured to match exist

D.P.C.

A damp proof course to BS 743 to be provided at a minimum height of 150mm above GL to all block walls. D.P.C.'s/Cavity Trays to be provided at all doors and window jambs and all cavity barriers and fire stops

WINDOWS & DOORS

All windows to be styled as shown in drawing with top hung opening vents in UPVC. Openings as shown in drawing. All windows fitted with Trickle Ventilation (10,000mm² or 12,000mm² dependent on area). Double glazed units with dry glazing systems with all glass in accordance with BS6262: Part 4: 2018. All in accordance with 'Secured by Design'.

FIRE ALARM DETECTION

1 No. Smoke detector to be installed within lounge.
Heat detector installed in kitchen to BS 5839: Part 6: 2019
Operated on an independent circuit with standby min. 72 hours, interconnected and battery backup.
300mm from and wall and lights. 7m from lounge and 3m from bedroom

DRAINAGE

All drainage to be in accordance with BS EN 12056-2: 2002.
External pipes below ground level to be 100mm dia, backfilled with pea gravel to crown on pipe and have 600mm cover to finished GL. Max gradient 1:40. Drainage passing under building to be protected with lintel over.

RAINWATER

To be constructed using 110mm x 75mm UPVC Marley Deepflow gutters (Colour -- White) with 68mm Circular downpipes or equal and approved. To BS 6367 :1983, Sections 1 to 8 and 10 to 17

ELECTRICAL

Min 4 No. power sockets to extension.
Maintain 6 no. sockets above work surfaces. Located min 350mm from corners and obstructions and between 400mm FFFL to 1.2m high. Light switches positioned between 900m and 1100mm FFFL.

MECHANICAL VENTILATION

Kitchen ME 30l/s above hob or 60l/s elsewhere to be ducted to outside.

HEATING

Existing boiler unaffected. New radiator installed to extension and fitted with TRV. All pipes to be insulated

All Electrical work to be carried out in accordance with the latest I.E.E. Regulations & BS. 7671: 2018.

All Drainage to be to the entire satisfaction of the The Building Control Officer. Any drainage that passes under the structure to be protected by providing a lintel over. A meeting to be held on site to discuss same prior to commencement of that part of work.
All levels & dimensions to be checked on site prior to commencement of work.

DO NOT SCALE DRAWING

U-VALUES

Walls 0.17W/m²K
Floor 0.15W/m²K
Roof 0.13W/m²K
Glazing 1.4W/m²K

ELECTRICAL KEY

Light switch Q
Twin 13 Amp Socket B
Light X
Smoke Detector S
Heat Detector H

ROOF

Roof to be specialist design trussed rafters at 600m centres, timbers graded in accordance with BS 4978. Sarking to be 18mm ply with roof membrane.
19mm x 38mm counter battens and 25mm x 50mm Tiling battens Concrete interlocking Roof Tiles. Trusses clipped down on head binder.
All roof bracing as per manufacturers design recommendations Fascia to be UPVC, Soffit to include a continuous 25mm ventilation strip along full length of all eaves to provide roof void ventilation. Tile vents to be installed below and above rooflight to provide uninterrupted air flow. 150mm Loft 44 between joists and 200mm over.

Air Infiltration

Contractor to seal all dry lining junctions between the walls, ceilings, floors, etc and at all window, door and roofspace openings, vapour control membranes also to be sealed and all the service penetrations into the fabric of the building also be sealed. Provide draught stripping at all doors, windows and rooflights. Ensure that the infiltration of any air into the building is limited in full accordance with the provision of the BRE Report B.R. 262:2002.

Project Title

Single Storey Rear Extension to House at 6 Hunter Place Shotts

Drawing Title

Specification

Scale

Not to scale

Date

July 2022

Drawn by

Checked by

Job No.

Drawing No.

Rev.

05/22 AL(0)06