

(Showing Basement Floor Walls)

(1:50)

### **FOUNDATIONS**

- All foundations to be centered under walls u.n.o.
- 2. Foundations to bear onto undisturbed natural bearing
- strata.

  3. Formation to foundations to be a minimum of 1.0m
  - below ground level.

    Bearing strata to provide a minimum nett allowable
- 4. Bearing strata to provide a minimum nett allowable bearing pressure of 100kN/m².
- 5. Formations to foundations to be inspected by B.C.O.

#### SPECIFICATION FOR FOUNDATION CONCRETE

- 6. Concrete mix shall conform to BS 8500-2 and BS EN
- Provide designated concrete Gen1.
- 8. Concrete to comply with the design chemical class DC-1 & ACEC class AC-1, in accordance with BRE SD1
- 9. Concrete shall be adequately vibrated with a mechanical vibrator.

## STEELWORK

- 10. All steelwork within wall depth (cavity & inner leaf) and below ground to receive 2No. coats of bitumastic paint, which should then be protected from damage.
- 11. All UB/UC/SHS/RHS/CHS steelwork sections to be grade S355 u.n.o.
- All internal steelwork to be painted to suit interior environment & corrosive category C1 (very low) to ISO 12944.
- 13. All external steelwork to be hot dip galvanised to BS EN ISO 1461.
- 14. Fire protection to steelwork to be in accordance with local authorities requirements and/or architects specification.
- 15. All bolts to be grade 8.8 (size as noted) and all welds to be 6mm continuous fillet welds (u.n.o.) to BS EN 1011-2.
- 16. All beams to have a min. bearing length of; 250mm in plane of wall, 100mm parallel to wall.
- 17. Steelwork execution class to be EXC2 in accordance with BS EN 1090-2.

### MASONRY

- 18. All load bearing blockwork to be min. 3.6N strength u.n.o.
- 19. All ties to be stainless steel. frame ties to be 'Ancon' type SPB (u.n.o) & debonded frame ties to be type PPB with plastic sleeves.
- 20. All bonded ties to have min 50mm embedment, all debonded ties to have min 100mm embedment.
- 21. Frame ties to be Tek screwed or shot fired to steelwork. 'ancon' isolation sleeves, or pads, to be provided where frame ties are fixed to steel columns/posts.
- 22. Wall ties to be provided at 450mm vertical crs & 750mm horizontal cts u.n.o.

## TIMBER

- 23. All timber members to be size & grade as noted on drawing. all roof timber to be pressure treated using proprietary wood preservative.
- 24. Provide lateral restraint straps @ max. 2.0m cts across min. 3no. joists/rafters with noggins all securely fixed with min. 5no. 4mmØ x 75mm long corrosion resistant nails to tie walls to floor/roof.
- 25. Load bearing stud walls to comprise
- Internal Stud walls: 1 layer 12mm OSB board/plywood fixed to 100mm x 38mm studs at 400mm cts with 3.0mm dia. nails x 50mm long, at 150mm cts to perimeter of wall and 300mm cts internally.
- External Stud walls: 1 layer 18mm WBP plywood fixed to 150mm x 47mm studs at 400mm cts with 3.0mm dia. nails x 50mm long, at 150mm cts to perimeter of wall and 300mm cts internally.
   For floor joist length < 2.5m no strutting req'd. For</li>
- floor joist length 2.5m 4.5m, 1 line of struts mid-span For floor joist length > 4.5m 2 lines of struts mid-span. 27. Doubled up timber joists and rafters to be fixed
- together with M12 coach screws or bolts at 500mm cts.
- 28. Timber web pack and timber flange plate connections to steel beams to be made with M12 coach screws / bolts at 500mm cts.

### GENERAL NOTES

- 1. This drawing to be read in conjunction with all relevant engineers, architects and services drawings.
- 2. All dimensions are in millimeters u.n.o. <u>DO NOT SCALE</u> THIS DRAWING.
- 3. The contractor is to check all dimensions and report any
- errors and omissions to the engineer.
- 4. Lengths of beams, joists etc to be taken from site dimensions by the contractor.
- 5. All relevant notices to be issued, as necessary, in
- accordance with the Party Wall Act 1996 by the client.

  6. The contractor shall be responsible for ensuring that
- adequate temporary support is provided, as required, during the works.7. All proprietary products to be installed in accordance
- with the manufacturers specifications.

  8. All padstones to be 'Naylor' (or similar) pre-cast concrete padstones. Padstone sizes to be as noted on
- beams and laid on a full mortar bed.9. All resin anchor bolts to be 'Rawl' r-kf2 Kemfast bonded anchors installed in accordance with manufacturers

drawings. Padstones to be positioned centrally under

- 10. All through bolts to be 'Rawl' r-hpt expansion anchors
- installed in accordance with manufacturers instructions.

  11.It is assumed that trial pits, to expose and investigate

# existing foundations, will be inspected by the local authority and actioned appropriately.

#### CDM RESIDUAL RISKS

instructions.

There are no residual risks that a competent contractor should not be able to effectively manage unless specifically noted on the drawing.

## SETTING OUT / DIMENSIONS

The builder is to refer to the architects drawings for setting out dimensions and levels.

Beam lengths are to be determined from site dimensions by the builder.

Builder to confirm the levels of new beams in relation to existing floors with the architect / client.

Plans, main sections through building and elevations are taken from the architects site survey data.

	Section & elevation marks added.	10/04/2023
,	Description	Date

# CONSTRUCTION

© 2022 Copyright: A Winterbotham Ltd



'Bayfields' • Bayfield Gardens • Dymock • Gloucestershire • GL18 2BH T: 01531 890734 • M: 07496 789007 • E: office@awinterbotham.co.uk www.awinterbotham.co.uk

## lient

Errand Studio (c/o Revival Developers Ltd)

**-** 10.

Errand Studio

Project

Architect

The Pavilion, Castle Green, Hereford.

Two Storey Extension

Description

Ground Beam & Strip Footing Plan

Scale at A1	Date	Drawn By
1:50	Dec 2022	A.W.
Project No.	Drawing No.	Rev.
2122 [2]	02	Α

Refer to drawing No. 2122 [2]/04 for sections and details