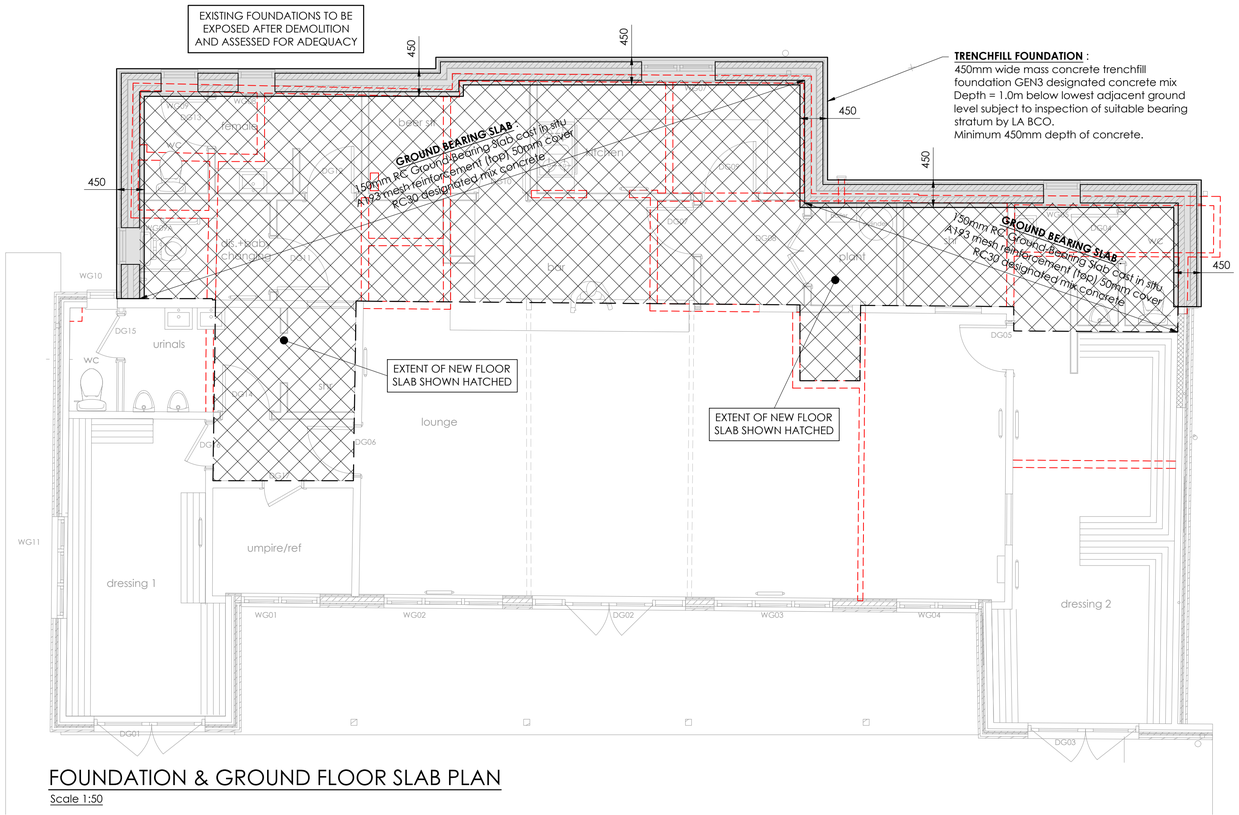
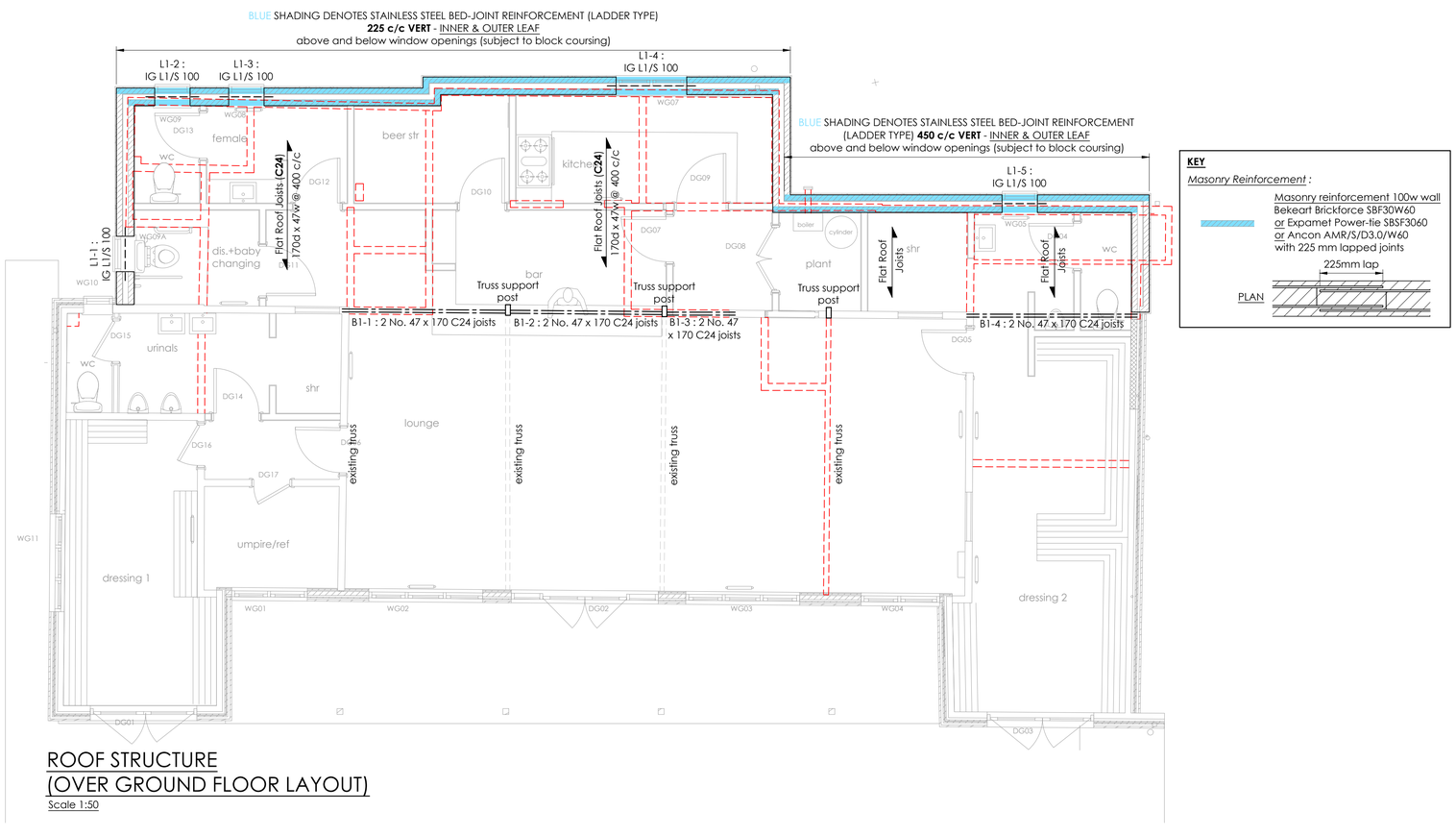


FOUNDATION & GROUND FLOOR SLAB PLAN

Scale 1:50



ROOF STRUCTURE (OVER GROUND FLOOR LAYOUT)

Scale 1:50

NOTES

1. DO NOT SCALE - Use figured dimensions only
2. All dimensions shown are in millimetres unless otherwise stated.
3. All levels are in metres above ordnance datum unless otherwise stated.
4. The Contractor is to verify all dimensions on site before commencing work or preparing shop drawings.
5. This drawing is to be read in conjunction with all Engineers and Architects drawings.

MASONRY

6. Blockwork to be minimum 3.6N/mm² compressive strength.
7. Mortar above ground: Type (iii)/M4 to BS 5628-1 (2005) 1 : 5 to 6 (cement : sand) by volume.
8. Mortar below ground: Type (ii)/M6 to BS 5628-1 (2005) 1 : 3 to 4 (cement : sand) by volume
9. Blockwork below dpc to be 7N/mm² compressive strength.
10. Vertical movement joints to be spaced at max 6m horz c/c in blockwork & 12m horz c/c in brickwork unless bed joint reinforcement has been specified.
11. All cavity walls to be constructed with Type 2 cavity wall ties (Ancon RT2 or similar). Installed at 750 horz c/c & 450 vert c/c (or to provide not less that 2.5 ties/m².) Additional ties spaced at 225 vert c/c within a distance of 225mm of all openings, movement joints & roof verges.

FOUNDATIONS

12. Abbreviations:
    FFL = Finished Floor Level
    SSL = Structural Slab Level
    GL = Ground Level
    TOC = Top of Concrete
    FL = Formation Level
13. Concrete grades for foundations (to BS 5328):
    Unreinforced foundations = GEN3 designated mix
    Reinforced foundations = RC40 designated mix
14. All foundations to be built centrally under substructure wall construction unless noted otherwise.
15. For exact setting out dimensions refer to Architect's drawings.
16. Any soft spots in formation to be excavated and infilled with lean mix concrete.
17. Cast foundation immediately after formation level is reached. If excavation is to be left open then cast a 50mm blinding layer immediately.
18. Formation to be approved by local building control or approved inspector; assumed safe bearing capacity 100kN/m².

LINTELS

19. All lintels to have minimum 150 mm end bearing each end.
20. Pre-stressed concrete type: Naylor Hi-Spec / Supreme Concrete. Steel lintels to be IG / Keystone / Catnic

LATERAL RESTRAINT STRAPS

21. Wall plates to be strapped down internal face of inner leaf blockwork with 30 x 5.0 mm galvanised metal straps 1200 long at max 2m c/c plugged & screwed.
22. Rafters/joists parallel to walls to be strapped to inner leaf with 30 x 5.0 mm galvanised metal straps (1200 long x 150 bent end) No.12 woodscrews into first 3No. rafters/joists & noggins installed between them.

TIMBER

23. Multiple timber beams to be bolted together M12 4.6 bolts 400 horz c/c, staggered vert c/c to avoid splitting timber along the grain.
24. Timber to be strength graded C24 unless noted otherwise.
25. Floor joists should be strutted by one or more rows of strutting solid or herringbone strutting as follows:

Joist span <2.5m	No strutting required
Joist span 2.5 to 4.5m	One row at midspan
Joist span >4.5m	Two rows at 1/3rd points

Rev	Date	Description	Drawn	Chkd
C	11-06-24	Building Regulations Issue	PMc	MM
B	10-10-22	Building Regulations Issue	PMc	MM
A	15-09-22	Preliminary Issue	PMc	MM

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SONNING CRICKET CLUB PAVILION

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STRUCTURAL PLANS

Drawing number
22-079-OMK-DR-S-100

Revision
C

Status
BUILDING REGULATIONS

Drawn size
A1