

## HOMEWORK PROGRAMME

THE following schedule follows closely that provided on pp. 160 and 161, Vol. I; a suggested guide to reading has been added. For the reasons there stated, it is not possible to compile a programme of homework which will suit every class of student, especially for such a comprehensive subject as Building Construction. A lecturer will, of course, select subject-matter for homework which will be of most value to his students, having regard to their capacity and specific needs. The following subjects have therefore been selected to meet what are considered to be average requirements.

Although the proposed guide for reading covers the whole book, it will be

appreciated that much of the description, especially that related to materials, is for reference purposes, and students will therefore concentrate upon those sections which have special reference to their own particular syllabuses.

As stated on p. 160, Vol. I, it is assumed that the drawing sheets will be of half-imperial size and that the maximum number of sheets which may be produced varies from twenty-four to twenty-eight, according to the length of session.

The homework programme for the second year of the course is continued on p. 135, Vol. III, and deals with carpentry, joinery and roof coverings.

| Sheet Number.                   |    |    |    | Subject of Drawing.  | Reading (Pages).        |
|---------------------------------|----|----|----|--|-------------------------|
| Number of Lectures per Session. |    |    |    |  |                         |
| 24                              | 25 | 26 | 27 |  |                         |
| 1                               | 1  | 1  | 1  | CAVITY WALLS.—Draw quarter full-size details B, D (including proper damp proof course), A (lower portion) and J, Fig. 13.  | 1-12, 36-44.            |
| 2                               | 2  | 2  | 2  | REINFORCED BRICKWORK.—Sketch details showing the application to walls B, pillars and lintels, Fig. 16.   | 12-19, 44-51.           |
| 3                               | 3  | 3  | 3  | ARCHES.—Draw, to $\frac{3}{4}$ -in. scale, A, B, C and J (half), Fig. 19, and P. 14 (half), Fig. 24.   | 19-27, 51-52.           |
| 4                               | 4  | 4  | 4  | DAMP PROOFING.—(a) Draw, to 1-in. scale, details C and E, Fig. 20.<br>STEPPED FOUNDATIONS.—(b) Draw, to a scale of 4-ft. to 1-in., elevation of a 14-in. wall, 40-ft. long, with stepped foundations, assuming the ground to have an irregular fall of 6-ft. (see Fig. 22).  | 28-36, 52-58.<br>59-60. |
| 5                               | 5  | 5  | 5  | FIREPLACES, ETC.—(a) Draw, to $\frac{3}{4}$ -in. scale, A, B, C, N, O and P, Fig. 25; (b) draw 1-in. details V, W and X, Fig. 25.  | 60-64, 64-70.           |
| 6                               | 6  | 6  | 6  | DRAINAGE.—Sketch: (a) A, J, Q, U and V, Fig. 28; (b) C, D, F, G and M, Fig. 29.  | 71-78.                  |
| 7                               | 7  | 7  | 7  | DRAINAGE.—(a) Draw, to a scale of 8-ft. to 1-in., block plan of a detached house and show the drainage scheme to meet the requirements of your local authority. There are three rain water pipes, and the sanitary fittings include a sink, two lavatory basins, bath and two water closets. The sewer, boundaries, etc., must be shown. Refer to Fig. 30. (b) Draw 1-in. plan and cross-section of an inspection chamber. Refer to Figs. 30 and 31. | 78-84.                  |
| 8                               | 8  | 8  | 8  | MASONRY.—Draw: (a) $\frac{3}{4}$ -in. plan, vertical section and elevation of entrance A, Fig. 38, assuming a 12-in. cavity wall with $5\frac{1}{2}$ -in. stone outer leaf; (b) half full-size detail at A or B, Fig. 39.  | 85-97, 105-113.         |
|                                 |    |    | 9  | MASONRY.—Draw: (a) $\frac{1}{2}$ -in. elevation C, section B and plan of entrance, Fig. 38; (b) full-size detail of head of architrave at S or T, Fig. 39.   | 107.                    |
| 9                               | 9  | 9  | 10 | MASONRY.—Draw: (a) $\frac{3}{4}$ -in. elevation J, section L and elevation M of windows, Fig. 40; (b) full-size details at D and E, Fig. 41.   | 97-105, 113-120.        |
| 10                              | 10 | 10 | 11 | STEEL TRUSS.—Draw: (a) $\frac{3}{4}$ -in. elevation A, Fig. 47; (b) quarter full-size details at C, G, K and L, Fig. 47.   | 121-124.                |
| 11                              | 11 | 11 | 12 | STEEL TRUSS.—Draw: (a) to a scale of 4-ft. to 1-in., elevation A, Fig. 48; (b) quarter full-size details at C, F, H and K, Fig. 48.  | 124-128.                |
| 12                              | 12 | 12 | 13 | STEEL TRUSS.—Draw: (a) to a scale of 8-ft. to 1-in., elevation A, Fig. 50; (b) quarter full-size details at N, R, S, T, U, V, W, X, Y and Z, Fig. 50.  | 128.                    |