

## HOMEWORK PROGRAMME

THE nature and amount of homework in Building Construction set each week are influenced by a number of considerations, such as the character of the course, length of each class period, number of periods per session, type and special requirements of students, treatment of subject in class, etc.

The following homework schedule is based upon the author's experience in teaching the subject to architectural students preparing for the R.I.B.A. examinations and general building students attending National Certificate courses, and whilst it is clear that the programme cannot have general application, it is hoped that it will serve as a useful guide. It is assumed that each sheet will be commenced in class and completed as homework.

Whilst it may be considered that the programme unduly emphasizes the section devoted to Brickwork, it should be pointed out that there is now a general tendency to concentrate upon bonding, etc., in the first year in order that subsequent years of a course may be free for the greater development of other sections, including those concerned with new materials and forms of construction. The programme may with advantage be modified, especially for architectural students, to include less brick bonding and more carpentry and joinery details.

It is assumed that the drawing sheets will be of half-imperial size. Care should be taken to ensure a well-balanced set of drawings, and a suggested lay-out of a sheet is given in Fig. 60. As indicated, each sheet should be given a suitable title, the printing of which by the student affords practice in plain lettering. The details should be drawn to as large a scale as the sheet will permit, and *wherever possible these should be to full size*; this applies particularly to joinery details.

As the length of session varies in different colleges, the homework programme provides for the maximum number of sheets, numbering from twenty-four to twenty-eight, which may be produced per session.

Sheet Number.				Subject of Drawing.
Number of Lectures per Session.				
24	25	26	27	
1	1	1	1	Sketch, approximately to one-eighth full size, bricks B to S (inclusive) shown in Fig. 2.
2	2	2	2	Draw, to a scale of 1½-in. to 1-ft., alternate plans of stopped ends H, J, K and L, and part elevations at G, Fig. 3.
3	3	3	3	Draw, to a scale of 1½-in. to 1-ft., alternate plans of stopped ends E, F, G and J, and part elevation D, Fig. 4.
4	4	4	4	Draw, to a scale of 1-in. to 1-ft., alternate plans of right-angled junctions A, B, C, D and F, Fig. 5.
5	5	5	5	Draw, to a scale of 1-in. to 1-ft., alternate plans of right-angled quoins A, B, D and E, and sketch G, Fig. 6.

Sheet Number.				Subject of Drawing.
Number of Lectures per Session.				
24	25	26	27	
	6	6		Draw, to a scale of 1-in. to 1-ft.—(a) plans and elevations of piers F, L, O and Q, Fig. 7, and (b) alternate plans of rebated jambs E, H, L and O, Fig. 8.
			6	Draw, to 1-in. scale, complete details of piers in Fig. 7.
			7	Draw, to 1-in. scale, complete details of rebated jambs in Fig. 8.
6	7	7	8	(a) Draw, to 1-in. scale, sections through foundations A and C, Fig. 10, and sections through foundations similar to A suitable for 9-in. and 18-in. walls; (b) sketch, approximately to ¼-in. scale, timbering to trenches in Fig. 42.