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Fourth Semester B.E. Degree Examination, May/June 2010
Building Planning and Drawing

Time: 4 hrs.

Max. Marks:100

Note: 1. Question No.1 from PART-A is compulsory.
2. Answer any TWO questions from PART-B.

PART – A

- 1 Draw the plan, elevation and sectional elevation for the line diagram of the building shown in Fig.Q1. Also write the schedule of openings.
- a. Plan of the building. (25 Marks)
 - b. Elevation. (15 Marks)
 - c. Section along A – A. (15 Marks)
 - d. Schedule of openings. (05 Marks)

PART – B

- 1 a. Draw a plan and sectional elevation of a RCC doglegged staircase. Floor to floor height is 3 m. Width of the stairs is 1.2 m. Adopt riser and tread 15 cm and 30 cm respectively. (10 Marks)
- b. Draw to a suitable scale, the section and elevation of a fully paneled double shuttered door. (10 Marks)
- 2 Prepare a bubble diagram and develop a line diagram for a primary school building, with a strength of 200 students, with the following requirements:
- i) Class rooms for 40 students each.
 - ii) Head master's room
 - iii) Office room
 - iv) Staff room
 - v) Sports room
 - vi) Science hall
 - vii) Library
 - viii) Toilet for boys and girls (separately) (20 Marks)
- 3 Prepare a bubble diagram and develop a line diagram for a primary health centre, with the following requirements:
- i) Doctor's consulting room (with attached toilet)
 - ii) First aid room / treatment room
 - iii) Nurse room
 - iv) Medical store
 - v) Laboratory
 - vi) Store room
 - vii) Toilet block for men and women (separately) (20 Marks)
- 4 Prepare the water supply and sanitary layout for a residential building, shown in Fig.Q4, with suitable notations. (20 Marks)

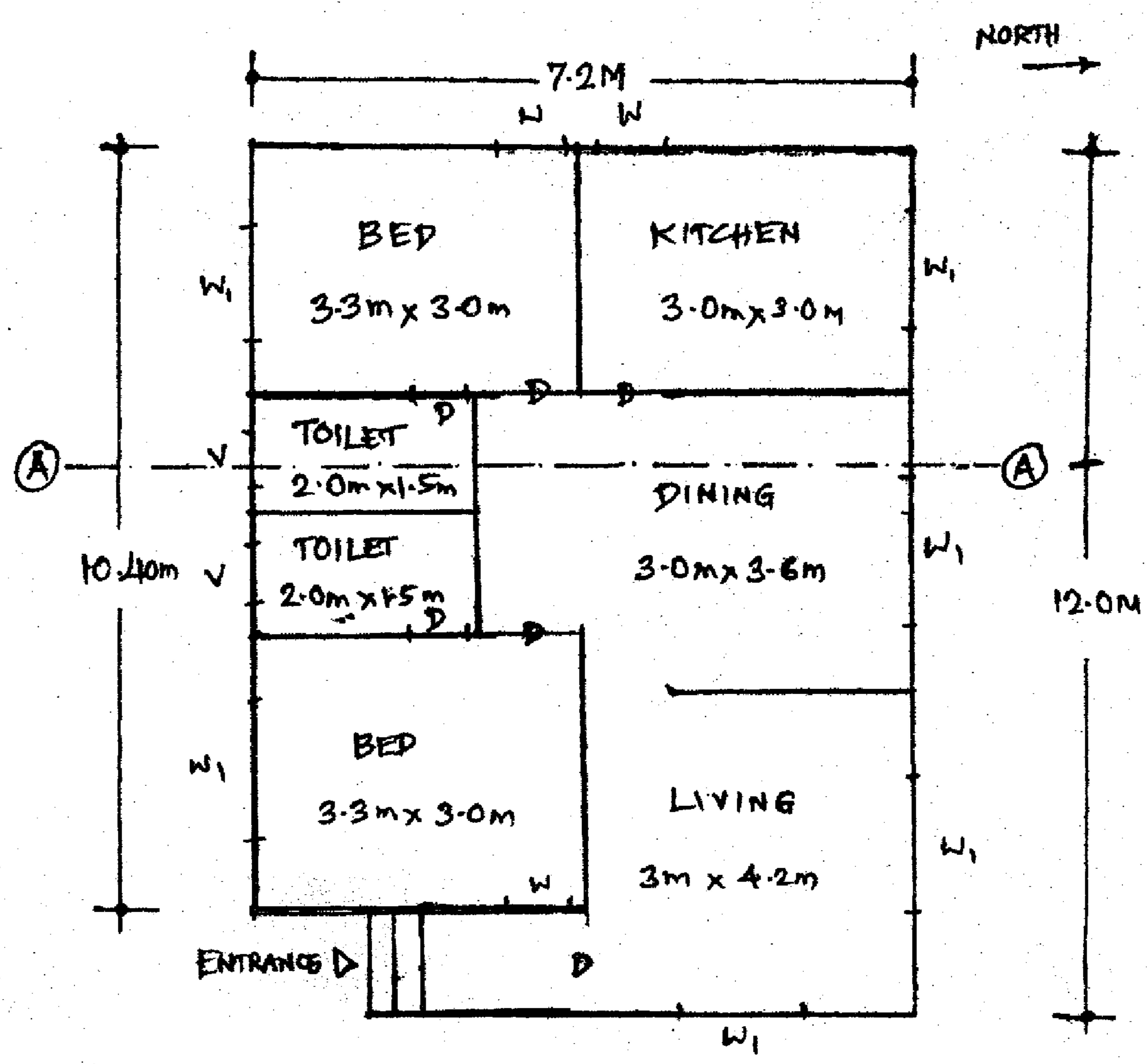


Fig.Q1

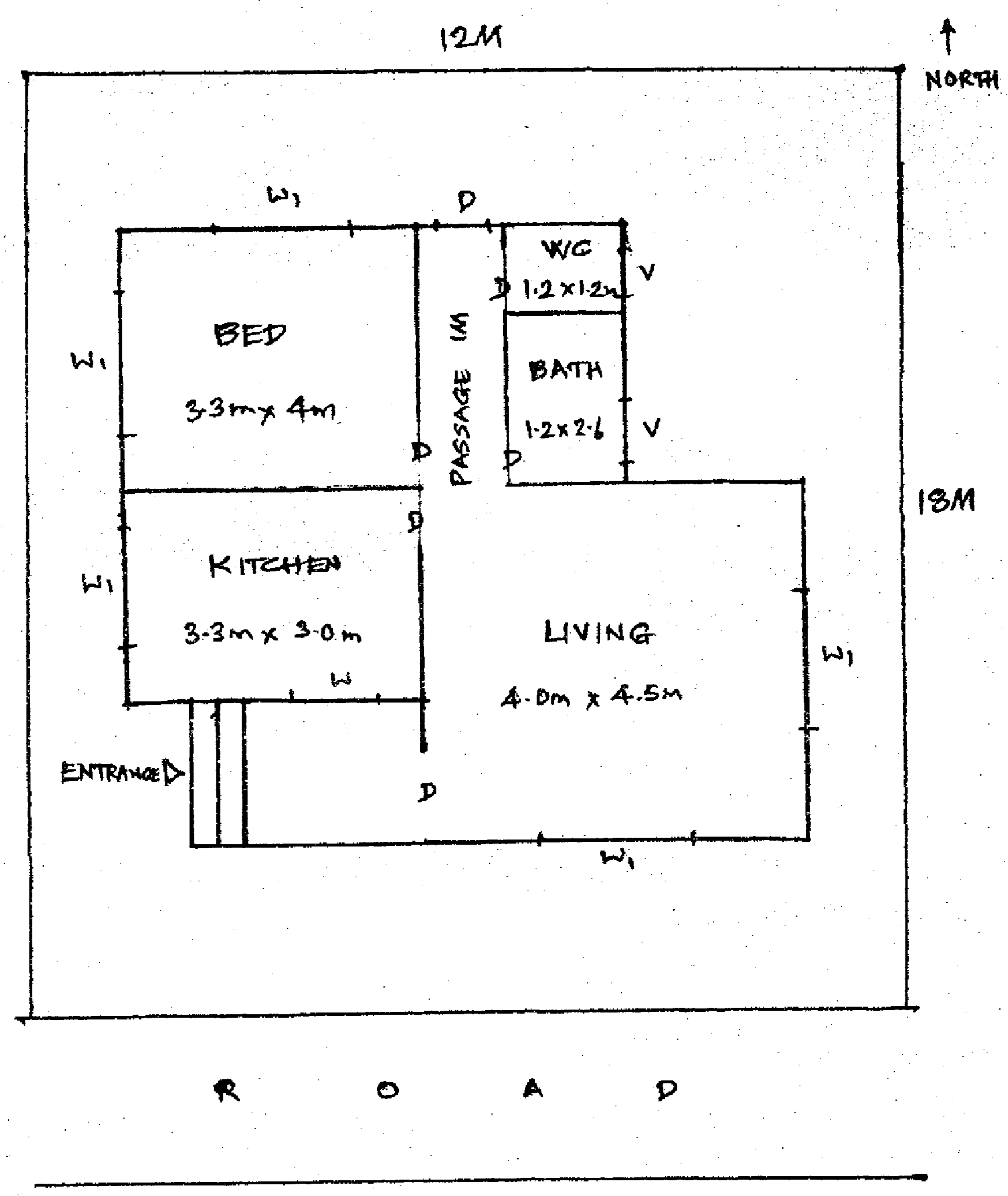


Fig.Q4