College of Industrial Technology King Mongkut's University of Technology North Bangkok



- inal	Examination (of Semester	1	Year: 2012

Subject: 341131 Electrical Drawing I Section: 5-6

Date: 4 October 2012 Time: 08.00-10.00

Name...... Field of Study...... Field of Study.....

Instructions

- Cheating will result in failure of all classes registered for the current semester.
 Students who are caught cheating will also be denied registering for the following semester.
- 2. No documents are allowed to be taken out of the examination room.
- 3. Textbook, calculator and dictionary are NOT allowed
- 4. No any electronic communication devices allow in the exam room.
- 5. The examination has 4 pages (including this page) 1 problem and a total score of 30 points.
- 6. Write all your answers on this exam sheet.
- 1. Figure 1 shows a floor plan with one-line diagram, this contained:
 - Fluorescent L1 is connected to control S1 and S2 (two-way switches),
 - 2 incandescent lamps (E1 and E2) are controlled by switch S3,
 - Switch S4 controls fluorescent lamp L2,
 - Series switch S5 connects to 2 incandescent lamps (E3 and E4),
 - 4 plug sockets,
 - kWh meter,
 - 16A fuse.
 - Load center (LC).

Draw the control diagram of all circuits for this floor plan.

(30 points)

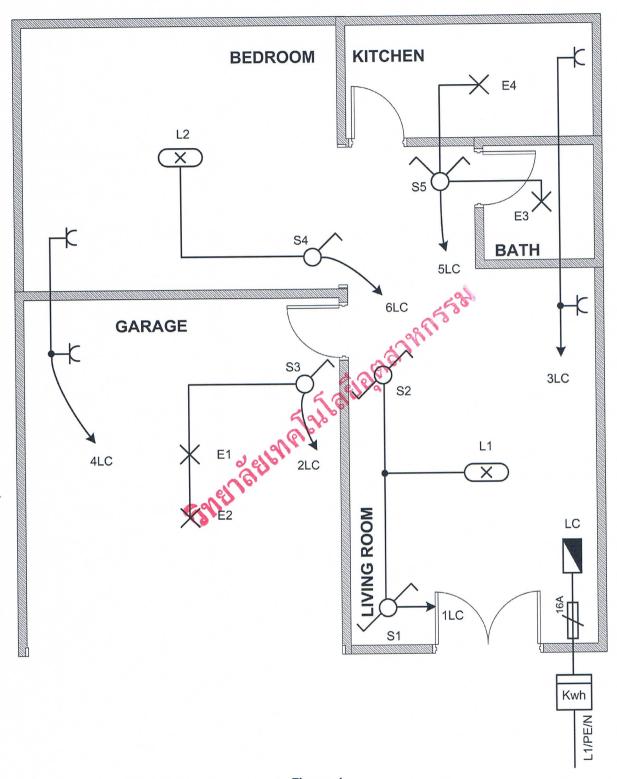


Figure 1

Control diagram

Control diagram	
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