

UEENEEE071 (Part 1 Electrical Contracting)

[Est](#)

[Estimating1](#)

[Estimating2](#)

[Estimating3](#)

Reference : Estimating 1(Estimating Zip file)

- (1) What are the important points in planning the budget?
- (2) Study page 9 to 17 in Est Zip file (Estimating 1) & prepare purchase order, job review sheet, daily time card and service order for your selected business.
- (3) What is bid pricing?
- (4) Explain your own words for speciality work.
- (5) Explain the following general contracting terms
 - (a) Bonding (b) Contract, (c) Documenting (d) Arbitration
- (6) What are the bidding tactics?

Reference : Estimating 2 (Estimating 1 Zip file)

- (7) Describe the steps in developing the marketing plan
- (8) Describe the important points for the followings (a) Leadership (b) Employee (c) Working together (d) Motivating people

Reference : Estimating 3 (Estimating 2 Zip file)

- (9) Name the sections included in job accounting system & explain them
- (10) What are the recommended steps to be followed to cut the cost?
- (11) Explain the features of one of the following jobs
 - (a) Service work (b) Maintenance & speciality work (c) Design build work (d) Contract bid work

Reference : Estimating 4 (Estimating 3 Zip file)

- (12) What are the important factors in establishing the business?

UEENEE071 (Part 2 Specification Writing in Electrical Contracting)**Specification**[12-Specifications](#)[13-BSpecifications](#)[14-Specifications](#)[Propose strategies to identify client needs 1.pdf](#)[1WiringInstallationDrawing](#)[7MachineDriveSystems](#)[8PowerElectronicsDevices](#)**Service Rule Reference**[Service Rule 1](#)[Service Rule 2](#)[Service Rule 3](#)[6-ElectricalDrawing](#)**(1)Reference: Service Rule 1****Job (1)**

You are required to manage the electrical supply connection to a residential property. The supply is to be taken from the overhead pole. You need to sketch the diagram & provide the outlines of the specifications for the following tasks by referring NSW Electrical Service Rule (Refer the above reference)

Tasks

(1)Metering equipments, (2)connection to supply, (3)earthing, (4)service route and point of attachment to take the power from over head pole, (5)consumer main, cable requirement,

Diagram required (To be prepared by computer)

(1) Service cable connection between pole & house

(2)Reference: Service Rule 2

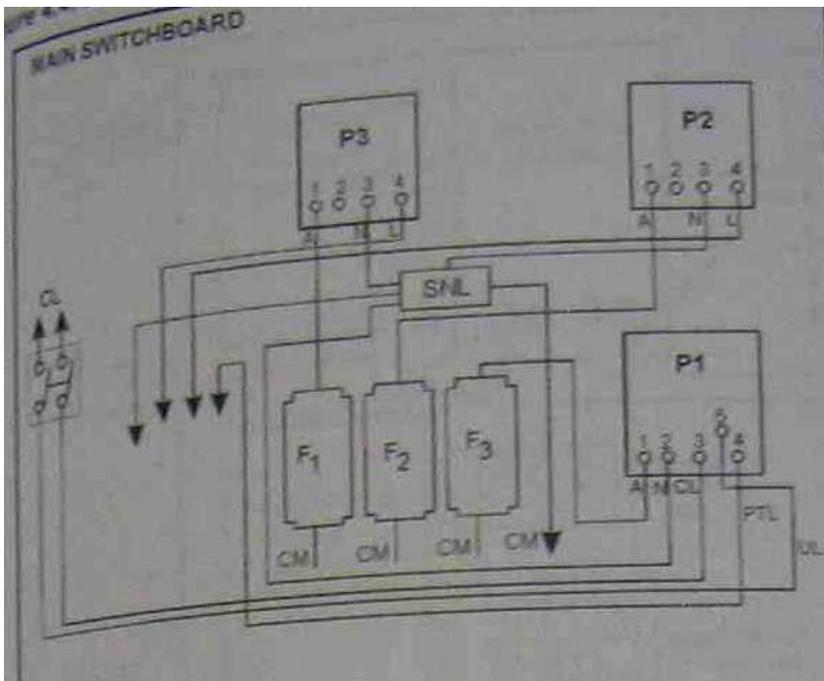
Job (2)

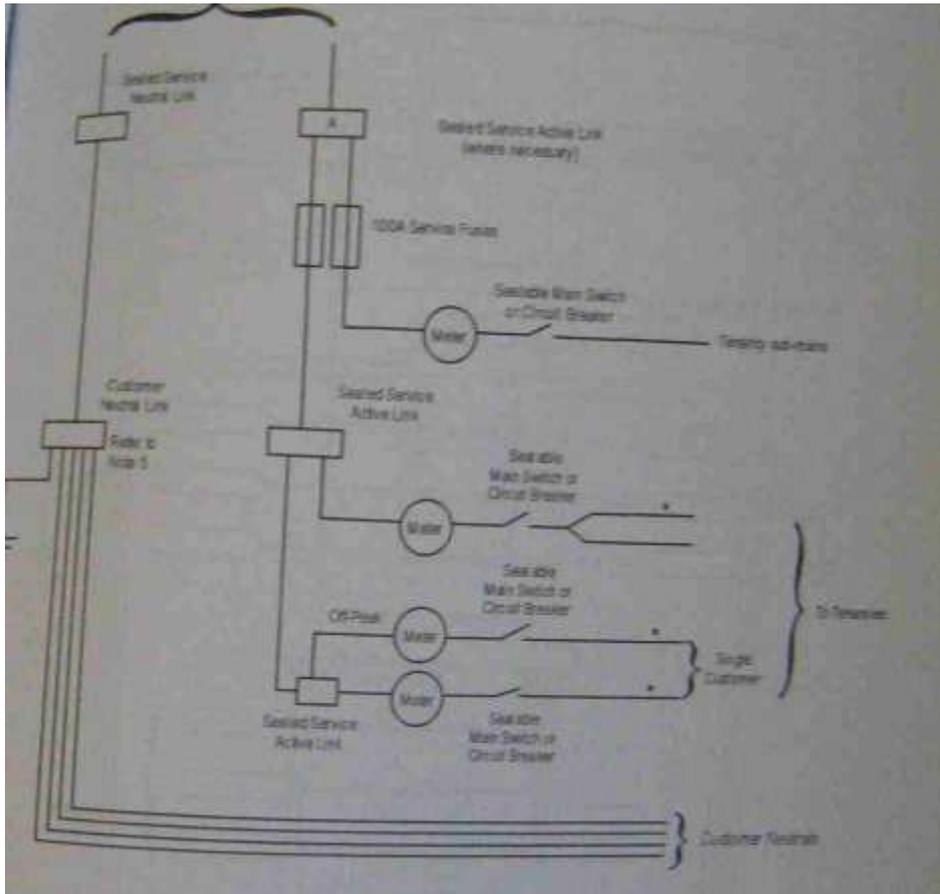
You are required to manage the electrical metering connection to a residential property. You need to refer the provided diagram & provide the outlines of the specifications for the following tasks by referring NSW Electrical Service Rule (Refer the above reference)

(1)Location of service and metering equipments for single domestic premise , (2)facilities for installation of meter and service equipments , (3)renewable fuse, (4)connection at service and metering equipments, (5)spacing between meter and high current conductors , (6)sealing service and metering equipments, (7)earthing

You also need to provide the metering circuit containing one metering set that measure lighting, power, hot water system for one unit.

(Do not copy the given diagram, it is just a reference, you need to draw your own sketch by computer)





(2)Reference: Service Rule 3

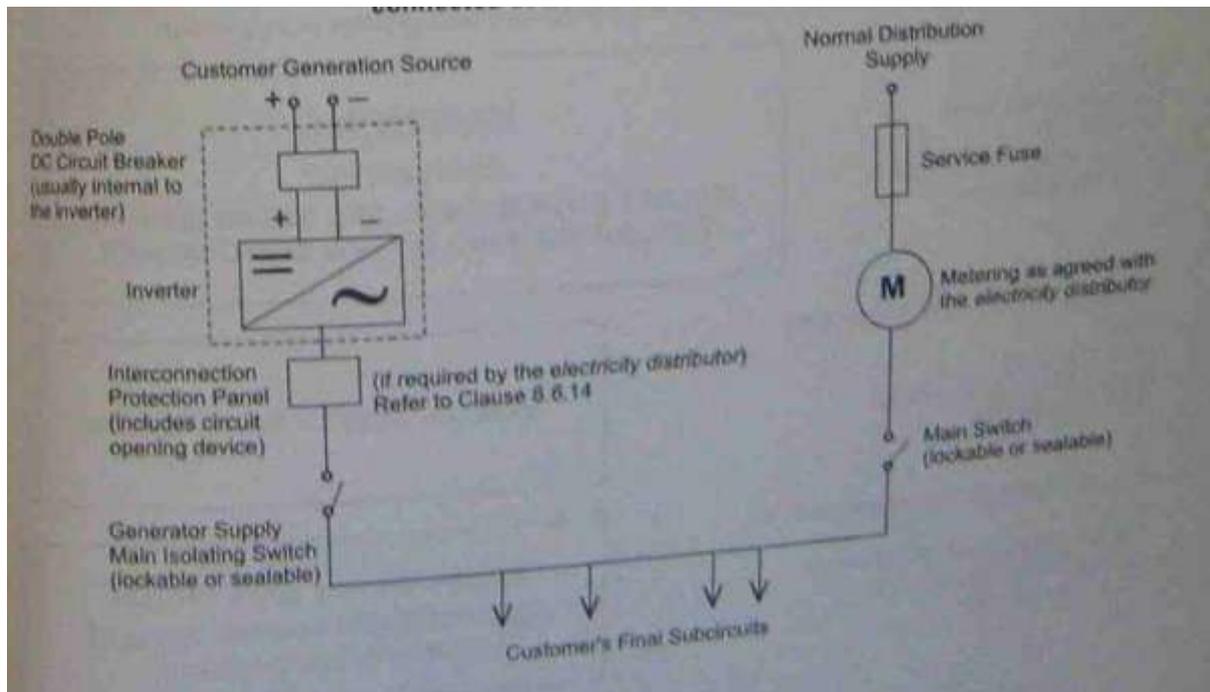
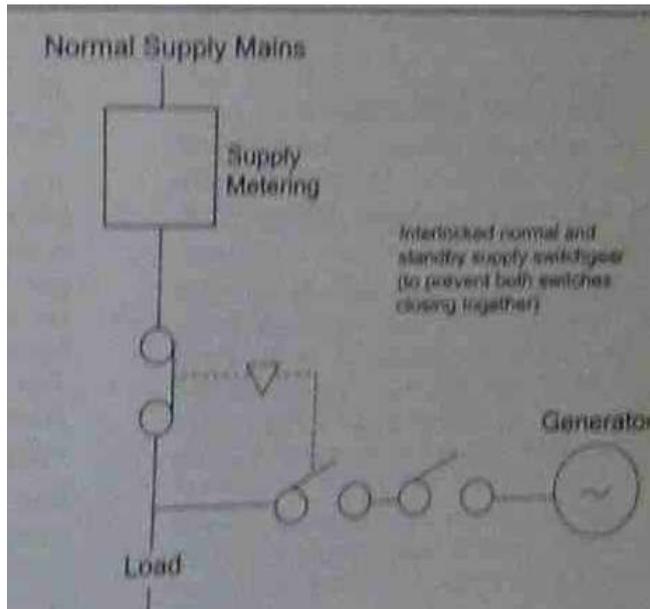
Job (3)

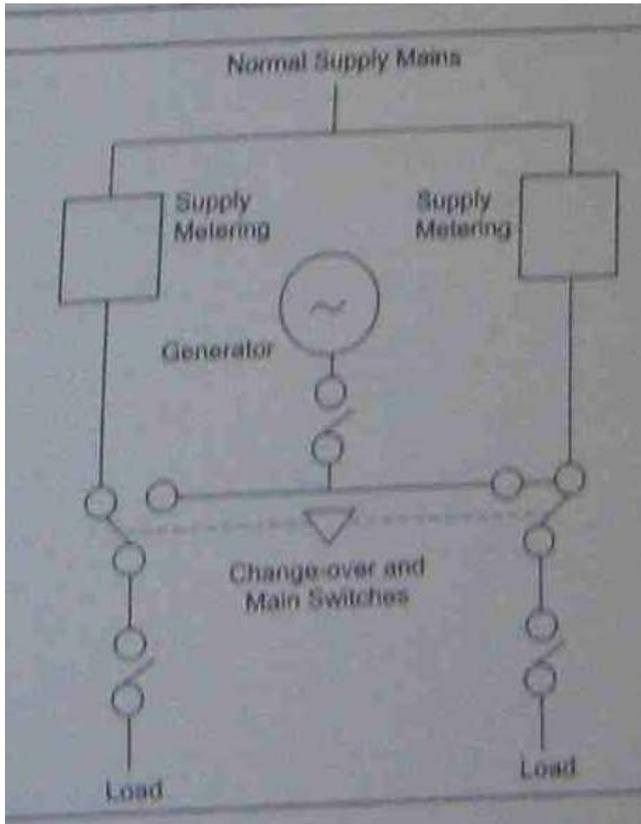
You need to install a stand by generating plan for a small factory.

Prepare the specifications and design diagram for the following aspects

(1)Condition of use, (2)spacing for conductors, (3)change over equipments, (4)Operating procedure, (5)protection

Reference Diagram (Do not copy the given diagram, it is just a reference, you need to draw your own sketch by computer)

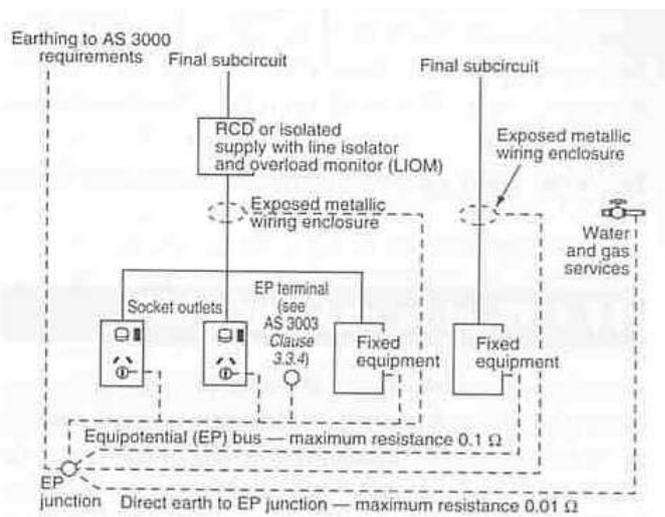




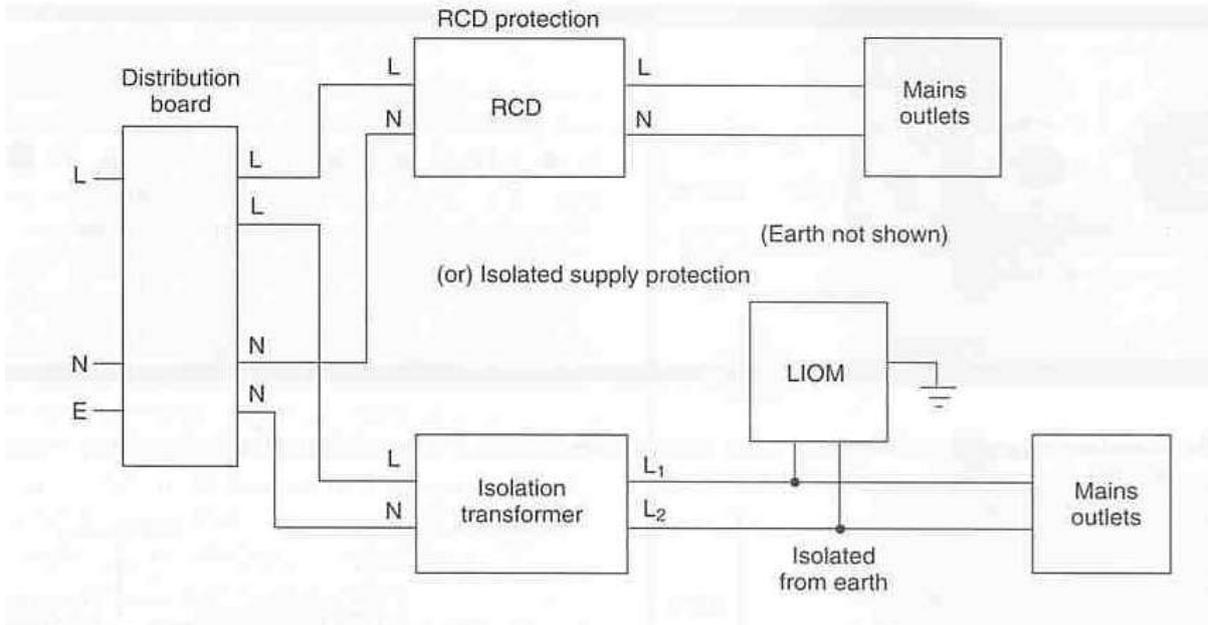
Reference: Specification (1)

(1) Write the important aspects of the specifications for electro medical equipments

(2) Draw the following circuits by computer



(3) Sketch the given circuit



(4)

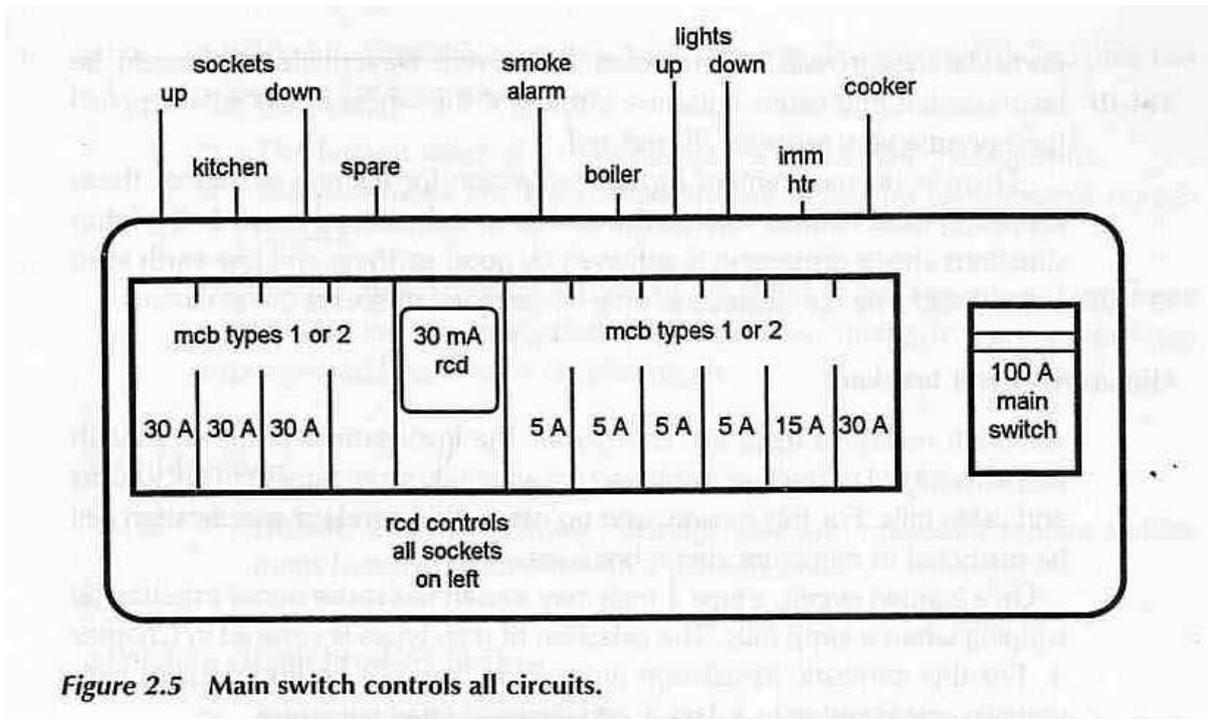
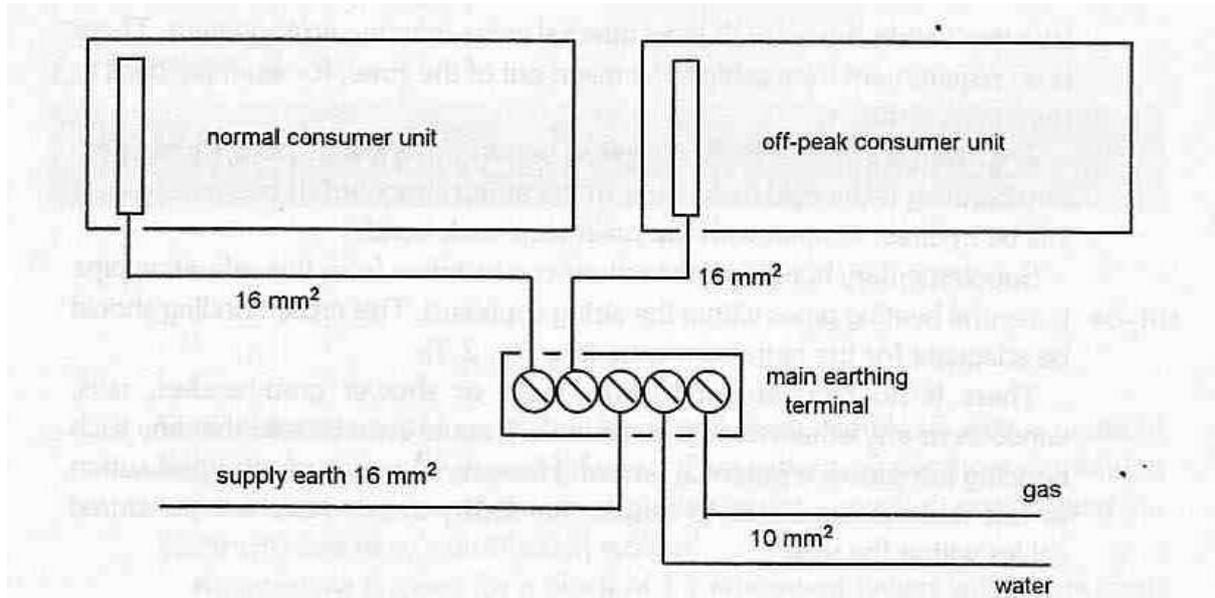
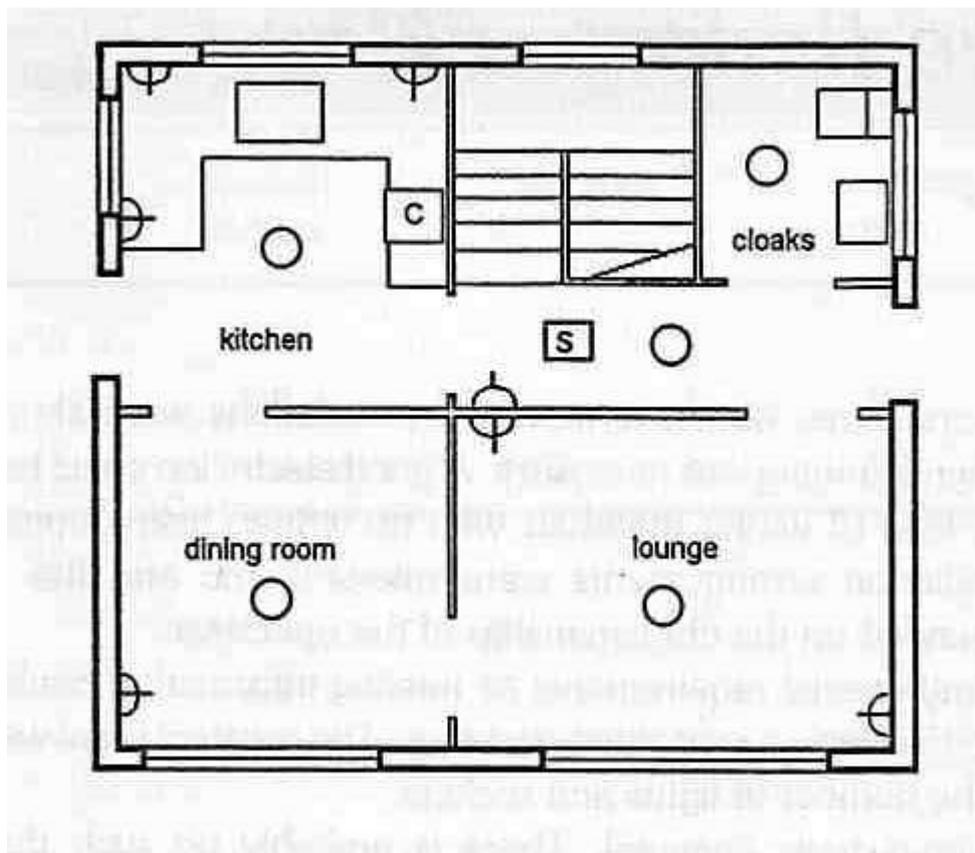


Figure 2.5 Main switch controls all circuits.

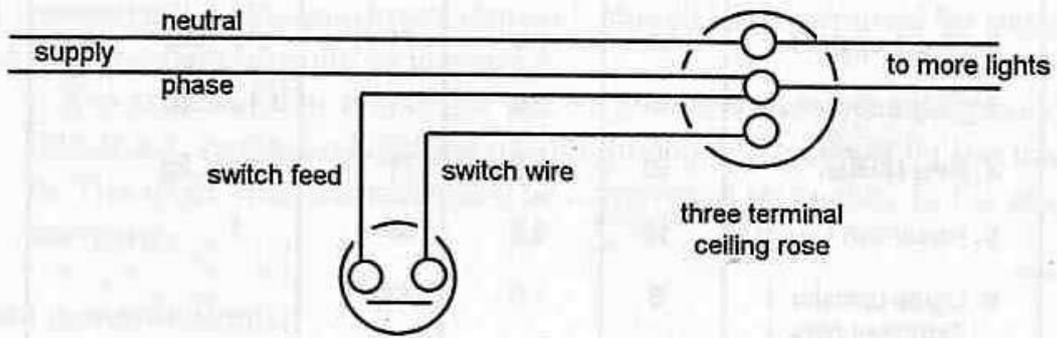
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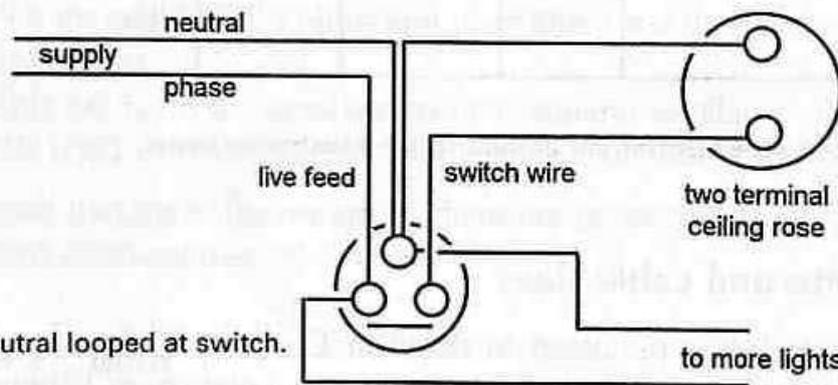
(6)



(7)

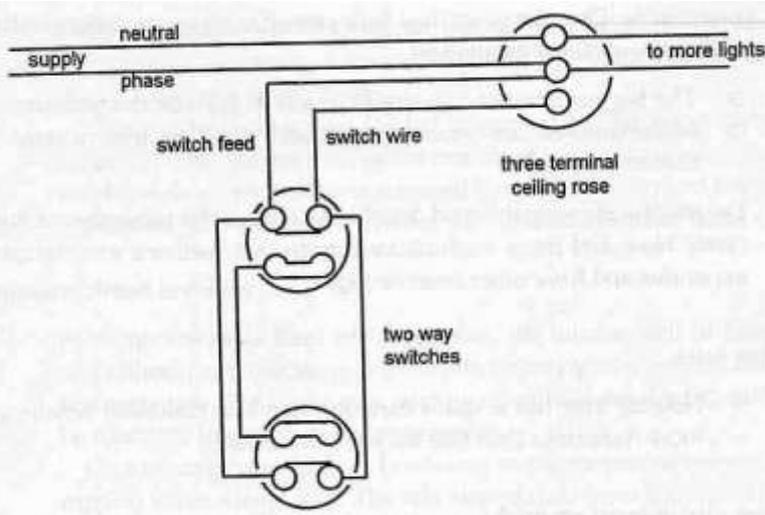


(a) Live looped at ceiling rose.

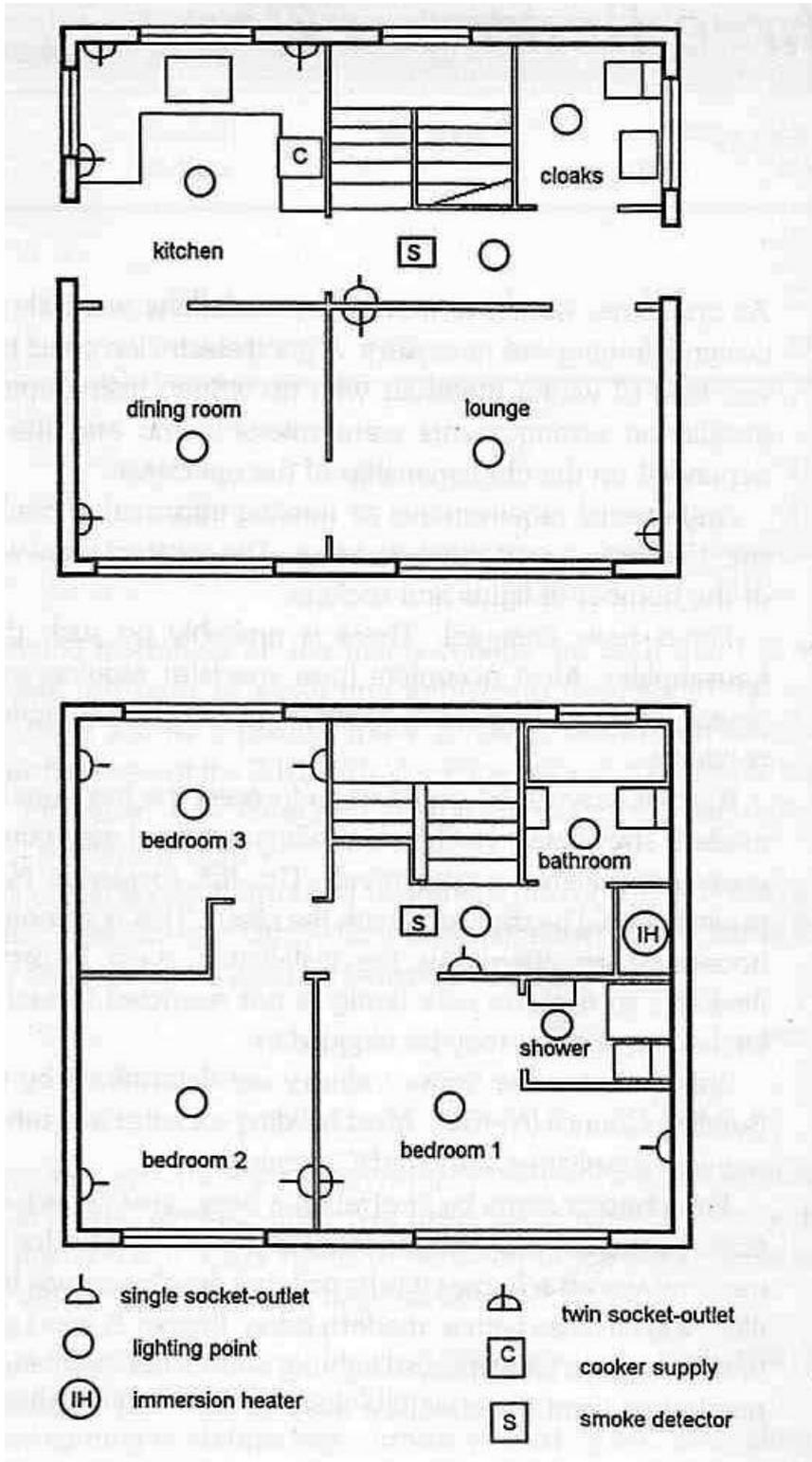


(b) Neutral looped at switch.

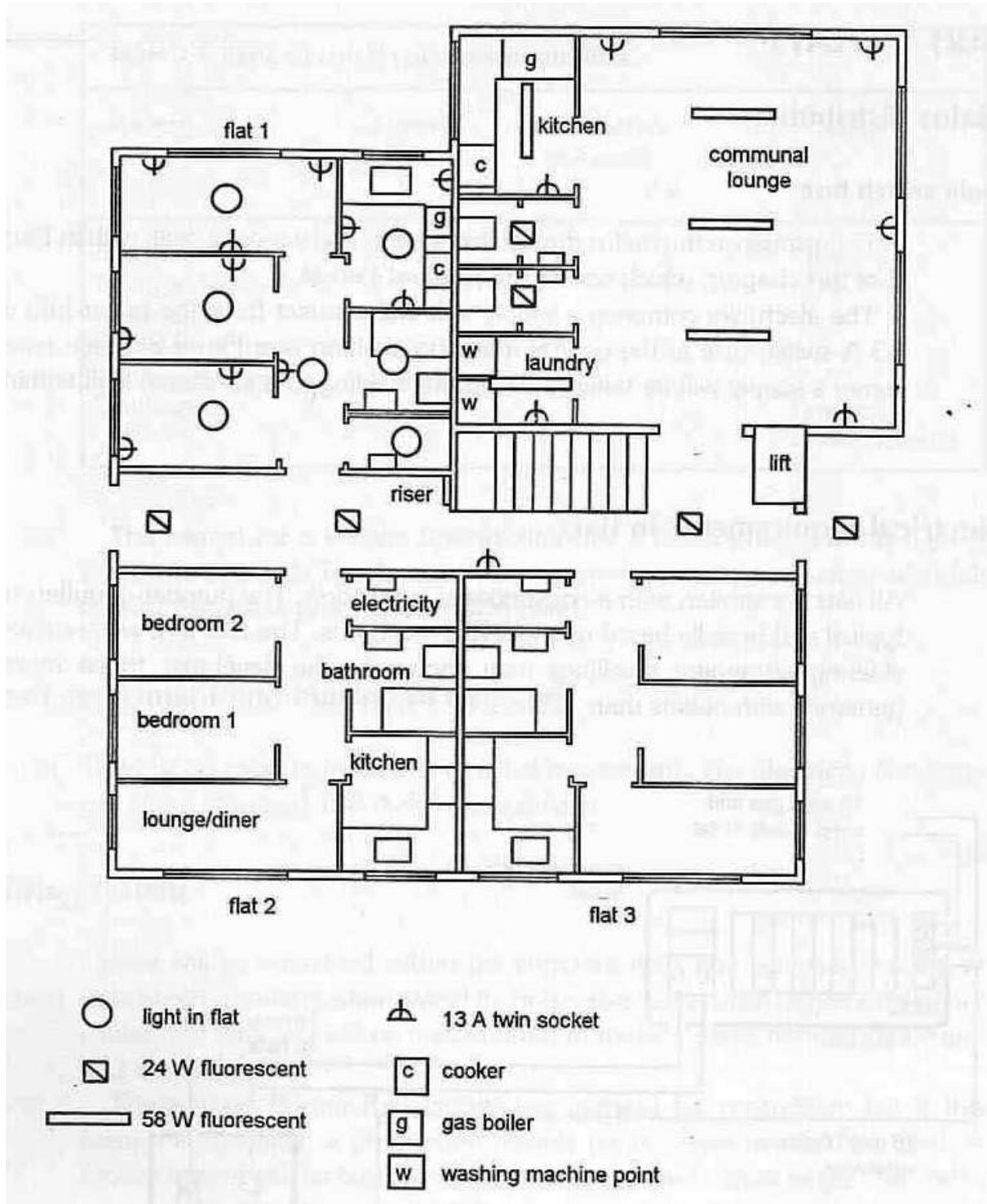
(8)



(9)



(10)



(11)

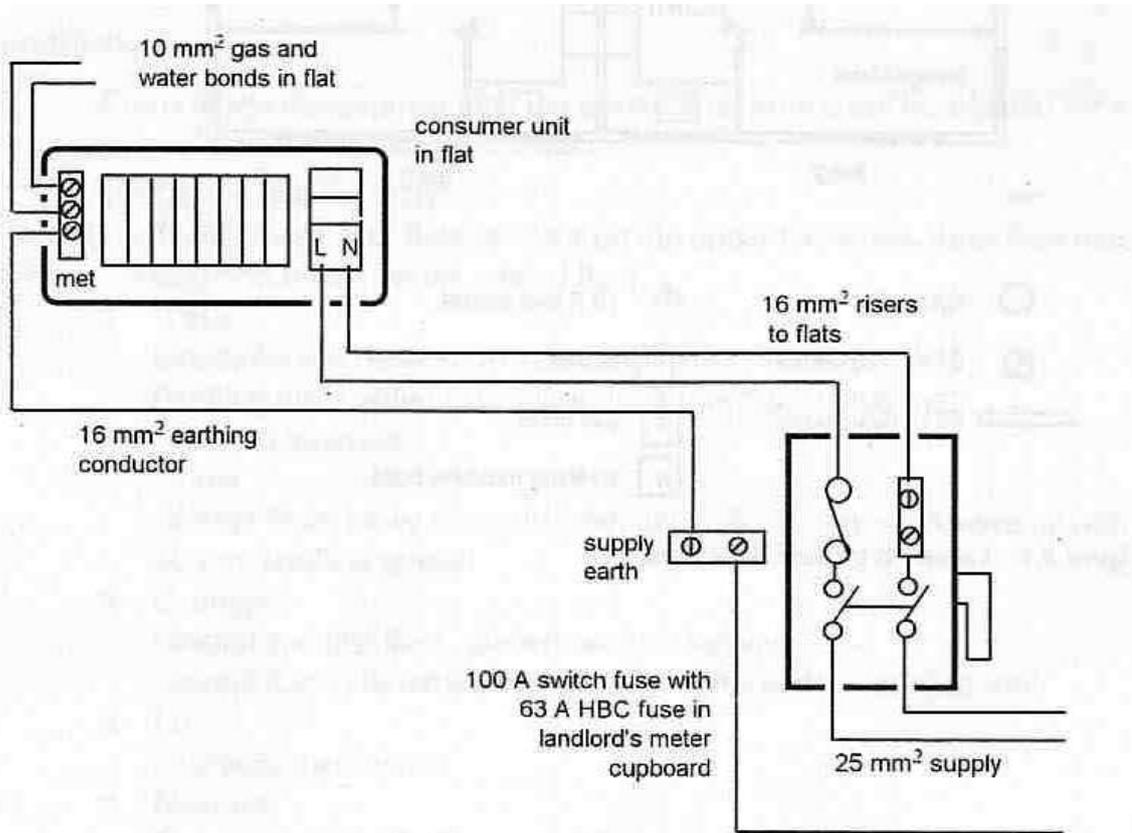


Figure 3.2 Distribution to flats.

(13)

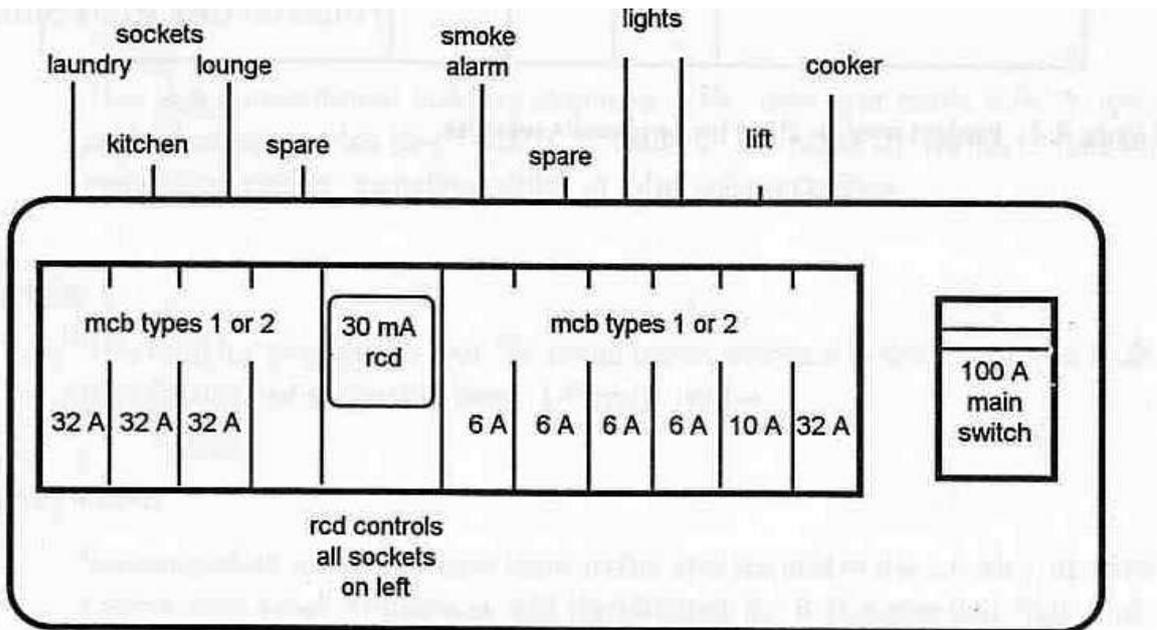


Figure 3.5 Landlord's distribution board.

Job (4)

Referring the contents in

Specification

[12-Specifications](#)

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[14-Specifications](#)

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[1WiringInstallationDrawing](#)

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Prepare a complete specifications for the wiring system for your own unit flat/ house.