

FLOOR PLAN

**QUESTION 4: CIVIL ELECTRICAL**

**Given:**

- The floor plan of the electrical layout.
- The table of the electrical symbols.
- The labels of each number (electrical component)

**Instructions:**

Draw ALL electrical fittings as indicated by the numbers.

**NOTE:**

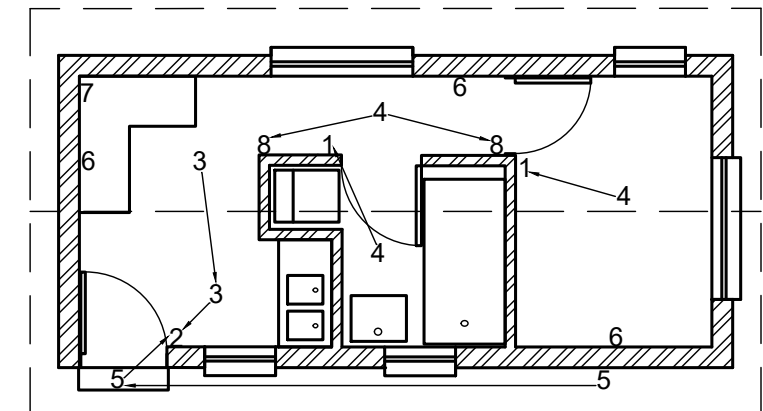
ALL drawings must comply with the **guidelines** and **graphical symbols** contained in the *SANS 10143*.

**ELECTRICAL FITTINGS**

1. ONE-WAY SWITCH - SINGLE-POLE
2. ONE-WAY SWITCH - DOUBLE-POLE
3. FLUORESCENT LIGHT 2 x 40 W
4. CEILING LIGHT
5. WALL-MOUNTED LIGHT
6. SWITCHED SOCKET OUTLET
7. DISTRIBUTION BOARD
8. TWO-WAY SWITCH

**NOTE:**

THE ARROW SHOWS THE LIGHT CONNECTION TO THE SWITCH



ELECTRICAL DIAGRAM

**ELECTRICAL SYMBOLS**

CEILING LIGHT X	ONE-WAY SWITCH SINGLE POLE 	EARTH 
WALL LIGHT 	ONE-WAY SWITCH DOUBLE POLE 	ELECTRICITY METER 
FLUORESCENT LIGHT 2 x 40 W 	ONE-WAY SWITCH THREE POLE 	EMERGENCY LIGHT 
SWITCHED SOCKET OUTLET 	DIMMER SWITCH 	HOT WATER GEYSER 
SOCKET OUTLET 	TWO-WAY SWITCH 	
DISTRIBUTION BOARD 		

**ASSESSMENT CRITERIA**

ELECTRICAL			
1	ELECTRICAL COMPONENTS	26	
TOTAL		26	



PERSPECTIVE DRAWING

ESTIMATED TIME FOR COMPLETION 15 MIN  
YOUR TIME FOR COMPLETION MIN

GRADE

INITIALS & SURNAME

TASK 10.5  
PAGE 5.1