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**073206T4CEN**

**CIVIL ENGINEERING LEVEL 6**

**CON/OS/CET/CR/05/6/A**

**Design Of Engineering Structure**

**Nov/Dec 2024**

**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL (TVET CDACC)**

## PRACTICAL ASSESSMENT

**TIME: 6 HOURS**

**INSTRUCTIONS TO CANDIDATE:**

1. In this practical assessment, you are required to perform the following tasks as shown in **FIGURE 1**;
   i. Measure the reinforcement bars of the column base and column starter
   ii. Cut the reinforcement bars
   iii. Bend the bars according to the diagram
   iv. Fix the bars

2. You have been provided with the following resources for the practical tasks:

| TOOLS/EQUIPMENT | MATERIALS |
|---|---|
| • Hacksaw<br>• Working bench<br>• Bar bender<br>• 20mm , 1 meter GI pipe (to bend the rebars)<br>• Tape measure<br>• Binding wire tightening tool | • D 10 Rebar<br>• D 8 Rebar<br>• Binding wire |

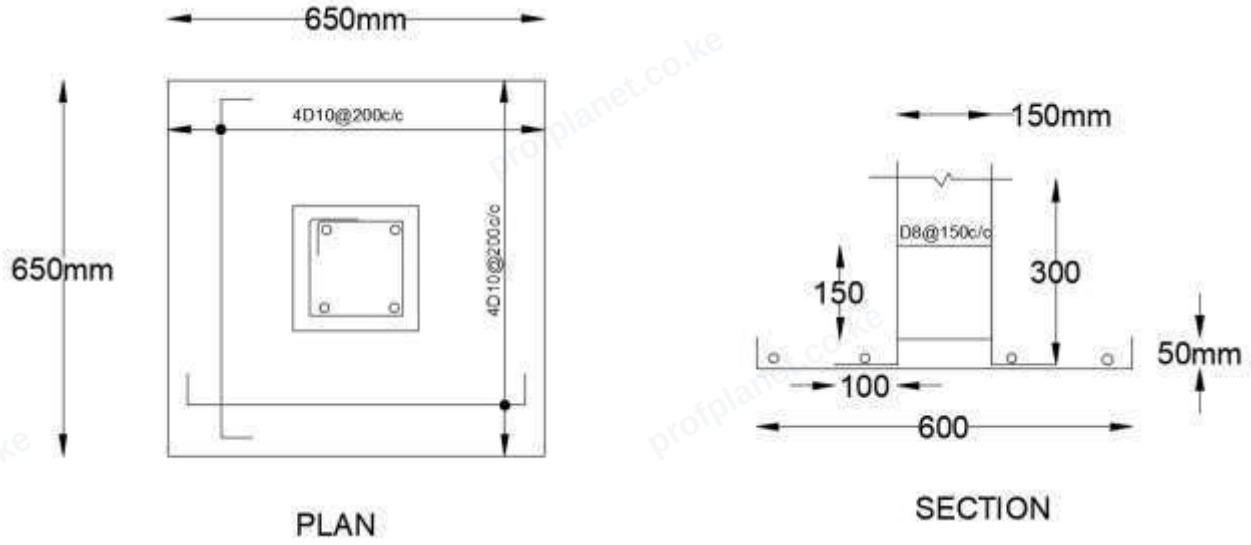



***Figure* 1**

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