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**METHOD STATEMENT OF STRIP FOUNDATION AND DETAIL
OF THE DESIGN**

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ABSTRACT

This report briefly describes the method statement of continuous foundation and the detail of the design. Method statement of continuous foundation will be observed at site while the detail of design of foundation will take the information at the office headquarters, asking the designer. The method base on the site that stationed whenever the foundation construct on process. Asking the contractor about the detail of installation, and put all the information on the paper and take picture to prove it as the process.

For the detail of continuous design, interviews have been done with engineer who designs it and all the information has stated. It quite simple, but have to know more knowledge on structure. It use software call Esteem Structural to calculate the entire load and give detail on it. But it needs to edit by engineer designer to make sure it will follow the specification based on the house or building to build.

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CHAPTER 1

PREFACE

1.1 Introduction

For the project, the design drawing will be referred by contractor to follow what on the drawing request. All of the size, detail of structure will be implemented from paper to ground by contractor. For this topic, it will use continuous foundation. It is because the project will construct shop house, so it is suitable to use continuous foundation. Continuous foundation is a support for wall, and more columns on the footing where the footing size or depth depend on the building. So the installation of this foundation just like pad footing, but it need more length and column need to be attached.

In preparing design of continuous foundation, the software used is Esteem software. The program will help structural engineer to design the structure of reinforcement concrete building easily. It will provide the detail of the drawing such as pile cap, floor slab, framing beam and column, pad base, multi-level foundation, wall, transfer slab and so on drawing details. Later on, number of bar use, arrangement of bar, dimension of the beam, column and more detail will be provided. Using Esteem software will ease and save time in design of beam. Before Esteem software had been use, engineer using manual method where by calculating all the structural reinforcement concrete using formulae. It seems slow the project flow and more complicated. Advantages of Esteem software are faster than conventional method, less miscalculated of the structure, able to check the loads are suitable with the building or not.