

DESIGN A NATIONAL SERVICE TRAINING CENTRE WITH ON-SITE ACCOMMODATION AND TRAINING FACILITIES

Prepared by: Ong Er Shien

ABSTRACT

On behalf of the project title 'Design A National Service Training Centre With On-Site Accommodation And Training Facilities', the objective of the project is to design a steel design and reinforced concrete design training center and the hostel for accommodation to the trainer and trainees on-site. Furthermore, there is also a training facility (flying fox) and a car ramp will design for the purpose use of the National Service Program. Thus, it will be provide a space of 36m x 64m for 600 people in the training center which will be normally located at the rural site.

On the other hand, this project report is intended to narrate and design the structural steel design for the roof trusses, columns, training facility ad car ramp. Furthermore, there will be the design of reinforced concrete for the slab, beams and footings. In addition, this report will include the layout of the buildings (architectural design) and some of the design methods will clear define also.

All of the structural is mainly a steel design and reinforced design based on the British Standard Code (BS 5950: Part 1) and the British Standard Code (BS 8110: Part 1).