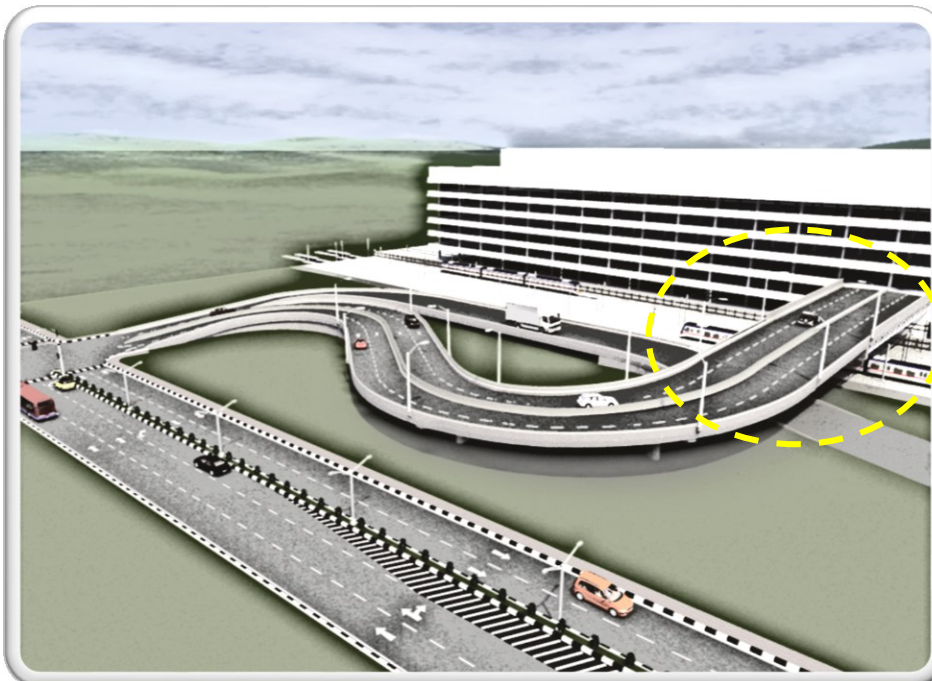
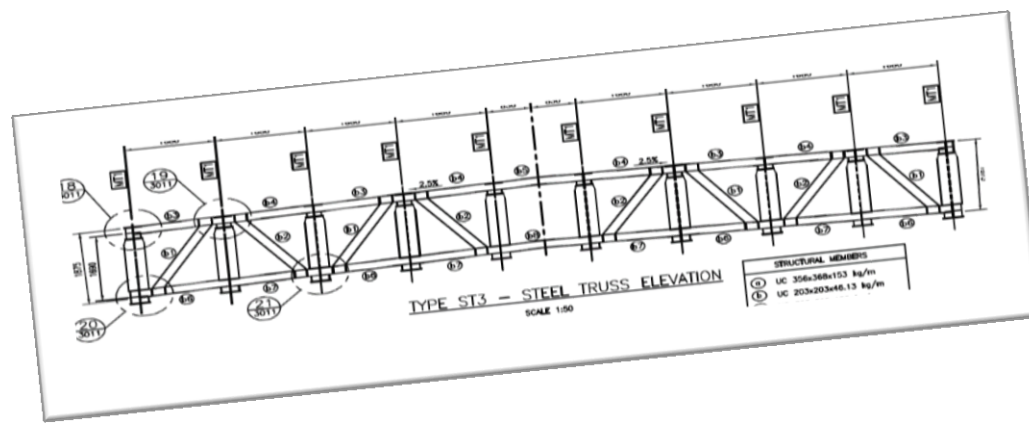


STEEL BRIDGE FABRICATION AND LAUNCHING PROFILE

MSPR 9 ACCESS RAMP PROJEK MASS RAPID TRANSIT LEMBAH KELANG – JAJARAN SUNGAI BULOH – KAJANG



CONTENT

1. INTRODUCTION

2. SHOP DRAWING

3. FABRICATION WORKS;

- a) SURFACE CLEANING
- b) CUTTING AND MACHINING
- c) PUNCHING AND DRILLING
- d) FITTING AND REAMING
- e) SURFACE TREATMENT
- f) FASTENING METHODS

4. MOBILIZATION

5. LAUNCHING



INTRODUCTION

The MSPR9 Access Ramp comprises of two (2) sections which are Reinforced Concrete Bridge and Steel Structure Bridge (crossing the KTMB Track at Kajang Station). This Access Ramp is connecting the Main Road (Jalan Reko) to the newly built Car Park for MRT Kajang Station.

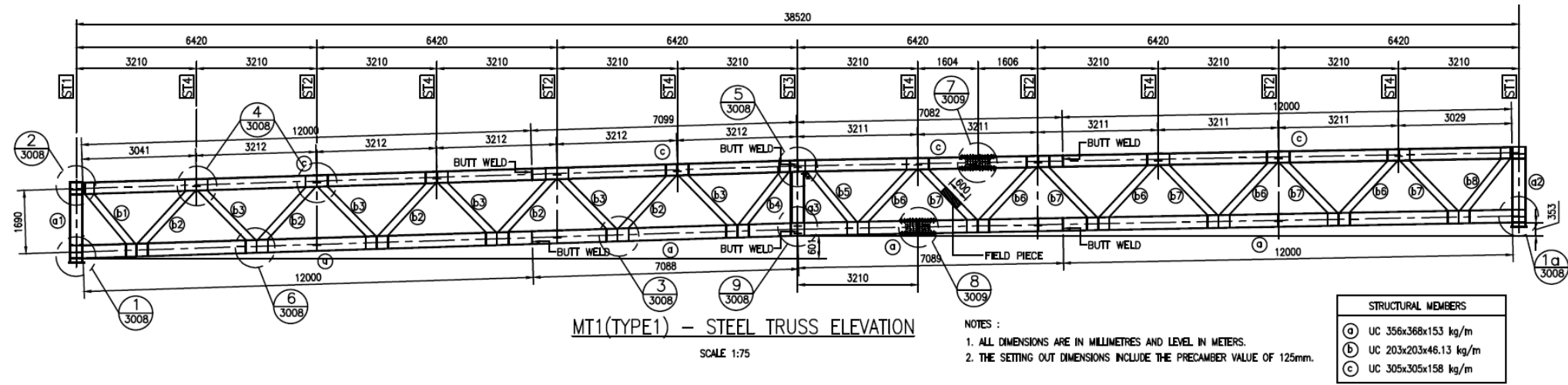
All materials being used in this fabrication works are entirely to the standards and requirement as stipulated in the drawings as well as the Material and Workmanship Specification for Civil & Structural Works (Volume 2 of 5), Projek Mass Rapid Transit Lembah Kelang: Jajaran Sungai Buloh-Kajang.



The fabrication comprises of UC 356mm x 368mm x 153kg/m, UC 305mm x 305mm x 158kg/m and UC 203mm x 203mm x 46.1kg/m structural members of steel grade S355.

The steel structure bridge segments comprises of ten (10) lengths of typical longitudinal sections of trusses with 38.52 meters in length. One length of this longitudinal section comprises of two portals which total ups to twenty portals all together to form the complete bridge (steel structure portion).

Throughout the fabrication work, PDP and Consultant visited our fabrication yard to witness the work progress as well as on the blasting and coating of the steel structure.



FABRICATION WORKS – PROGRESS PICTURES

a) SURFACE CLEANING



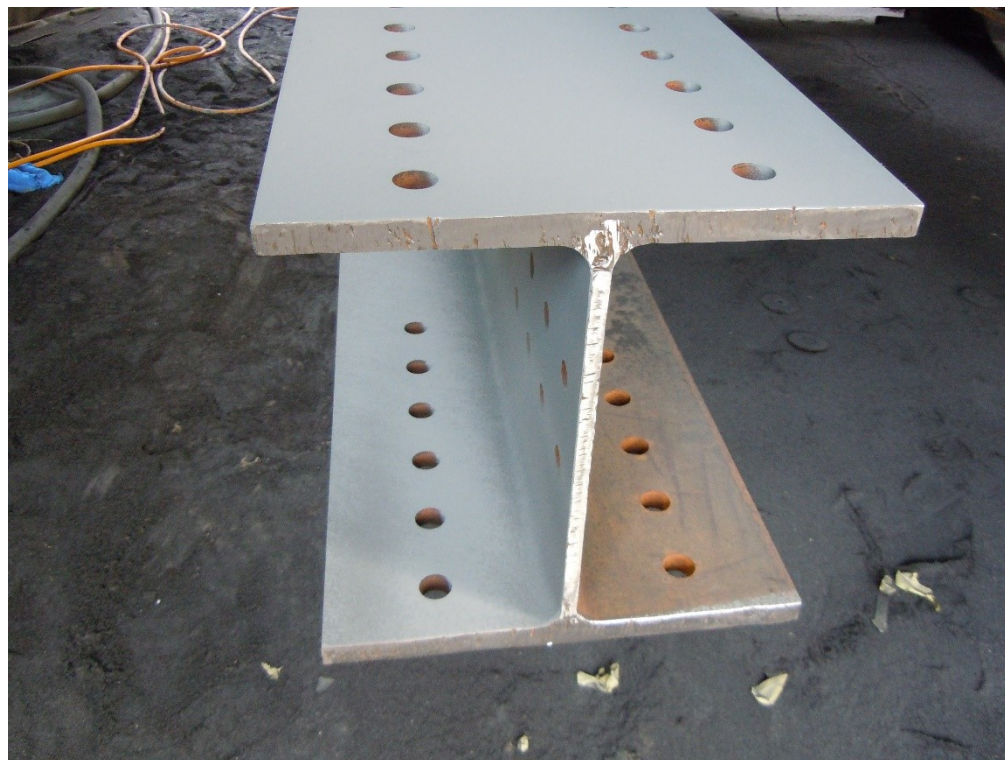
b) CUTTING AND MACHINING



c) PUNCHING AND DRILLING

Drilling and Punching
Machines

Drilling holes for the Joint
Plates

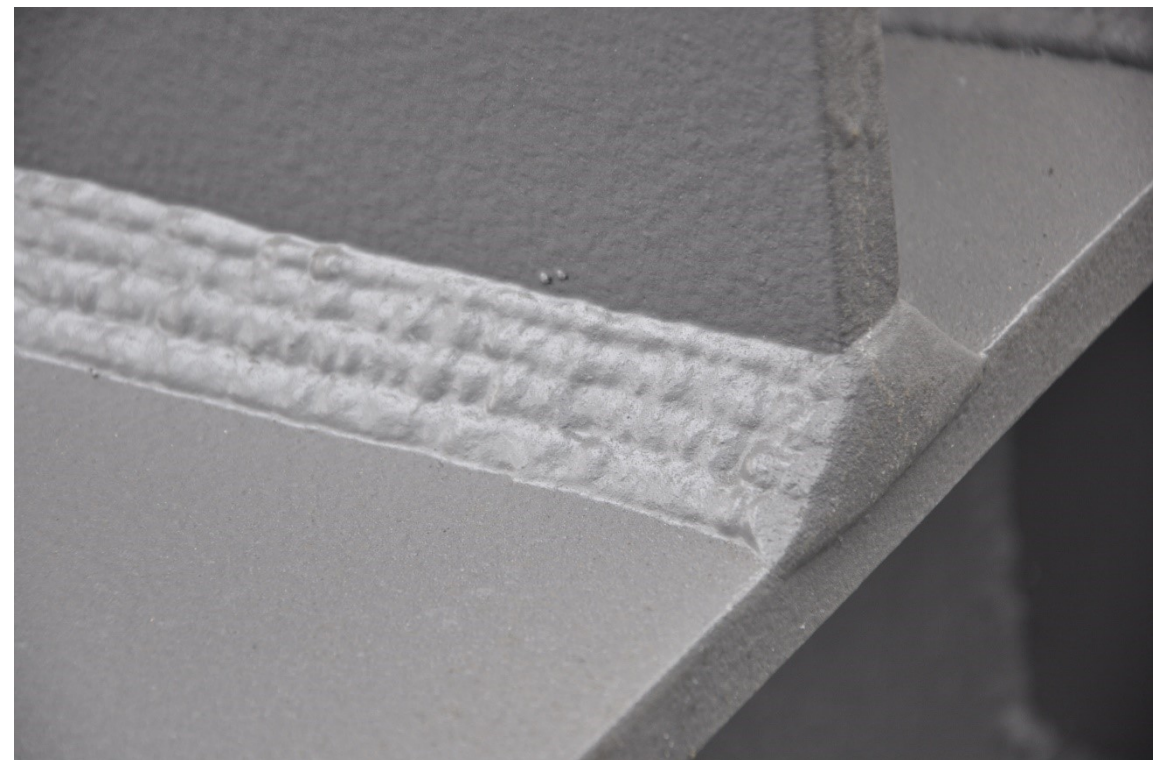


d) FITTING AND REAMING

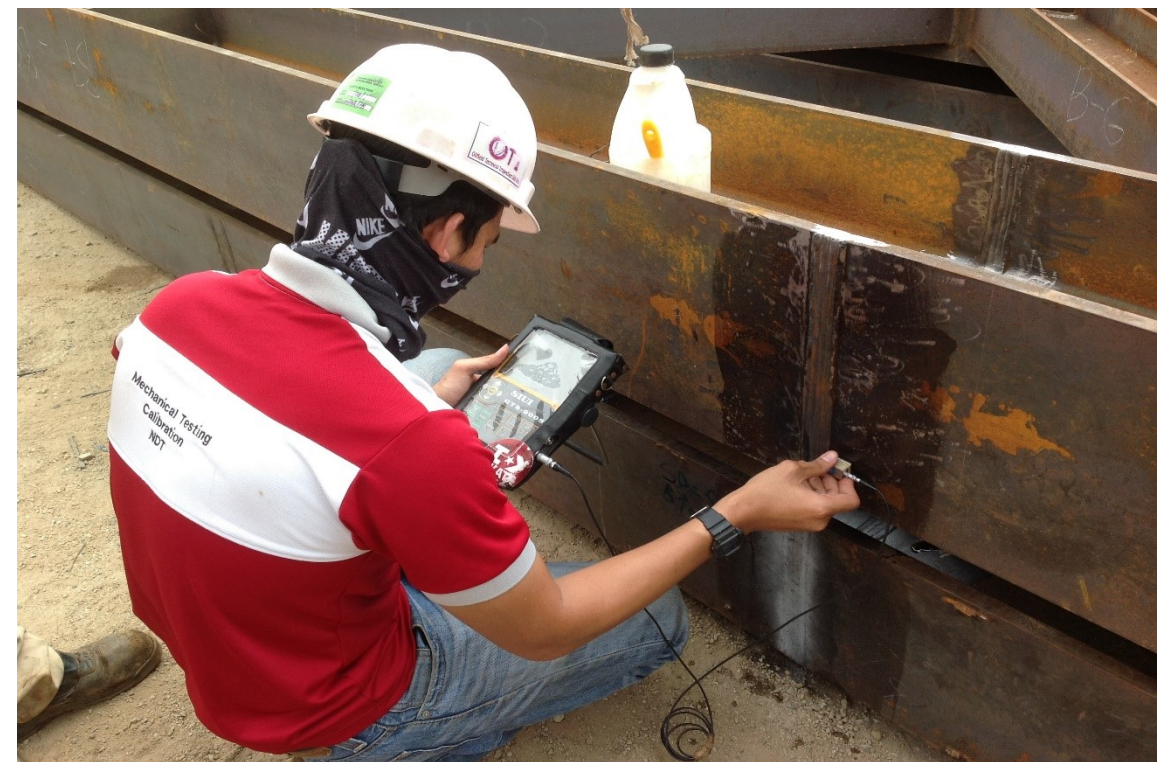
Welding Works On
Progress



Welding Finished
Works



Ultrasonic and Magnetic
Particle Test for completed
Welding Site by PDD and Consultants



e) SURFACE TREATMENT

Painting Works Completed
(1 layer of primer , 2 layers of under
coat and 1 layers of finish coat –
Min DFT - 325µm)

Steel Blasting Works



f) FASTENING METHODS

Fastening of HSFG with
Torque Wrench



Inspection by PDP &
Consultant



g) LAUNCHING

650 Tonne Crawler Crane



Launching Preparation & Mobilization



Launching Progress & Team

Preperation for Launching

