

Welcome to our “e-REW Express”. The Government rolled out a \$2 billion "EV-charging at Home Subsidy Scheme" ("EHSS") to subsidise the installation of EV charging-enabling infrastructure ("EVCEI") in car parks of existing private residential buildings, and hence further facilitate EV owners to install EV chargers at car parks of their residences according to their own needs in the future in a simple and easy manner. In this issue of “e-REW Express”, we will introduce the technical requirements for the installation of EVCEI.

We hope you will find the information of this e-REW Express useful. If you have any suggestion, please send an email to us at mail@hkelectric.com or contact our Customer Installation Department on 2887 3455 so that we can further improve our service.

Technical Requirements for EV Charging-enabling Infrastructure (EVCEI)

1. General Requirements

- 1.1 EVCEI are fixed electrical installations and must comply with HK Electric’s Supply Rules, the Electricity (Wiring) Regulations and other relevant Government ordinances and regulations.
- 1.2 EVCEI shall comply with the <<[Technical Guidelines on Charging Facilities for Electric Vehicles](#)>> and <<[Technical Guidelines for Electric Vehicle \(EV\) Charging-enabling for Car Parks of New Building Developments](#)>> published by the Electrical and Mechanical Services Department and Environment Bureau / Electrical and Mechanical Services Department respectively.
- 1.3 EVCEI shall be supplied and metered appropriately as per HK Electric’s requirements. The relevant metering requirements and interface requirements are shown in <<[Guide to Connection of Supply](#)>>.
- 1.4 The Tariff Meter Communication (TMC) Infrastructure provisions shall be made by customers during the design and construction stage. The proposed arrangements of facilities (as shown in Appendix 1) for TMC infrastructure provisions should be submitted to HK Electric for consideration during the design stage.
- 1.5 For EHSS, EVCEI shall also comply with the <<[Design Guidelines for Electric Vehicle Charging-enabling Infrastructure under the EV-charging at Home Subsidy Scheme](#)>> published by the Environmental Protection Department.

2. Metering Position

2.1 Supply to EVCEI should normally be derived from the electric supply equipment installed on the same floor level. HK Electric's meters for individual parking spaces shall be installed inside a communal meter room at each car park level.

2.2 If a meter room is not available, a group of meters may be installed inside a meter cubicle/ enclosure subject to the following conditions:

- i) A meter cubicle/ enclosure shall be installed at a suitable location within the car park area with prior agreement from HK Electric. Typical arrangement of meter cubicle/ enclosure can be referred to Appendix 2.
- ii) The following diagrams shall be posted at the front cover of the meter cubicle/ enclosure of the corresponding supply zone:
 - Layout drawing showing the location and carpark number for each parking space with EV charging facilities
 - LV schematic wiring diagram

Example of the above diagrams can be referred to Appendix 3.

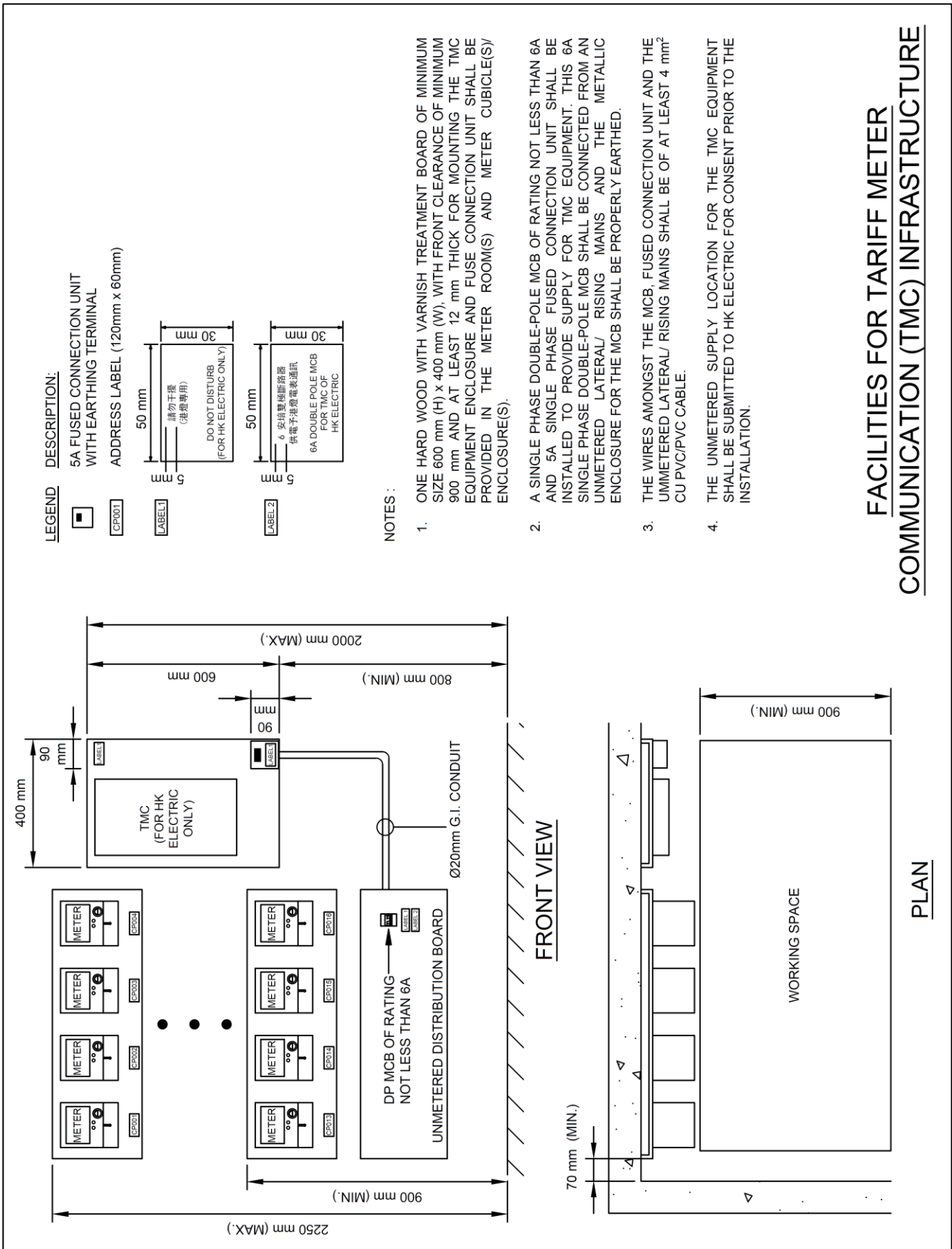
- iii) Safety poles with yellow/black marking or tape shall be erected at least 1,000mm in front of the meter cubicle/ enclosure in order to provide clear delineation of working boundary. Safety poles shall be located in coordination with the meter cubicle/ enclosure, so it would allow easy access for working personnel. Details of the safety poles can be referred to Appendix 4.

We are pleased to provide our advisory service to Registered Electrical Contractor / Registered Electrical Worker (REC/REW) regarding the requirements of EV charging facilities. They are advised to provide us with the schematic wiring diagrams and carpark layout drawings for our consideration.

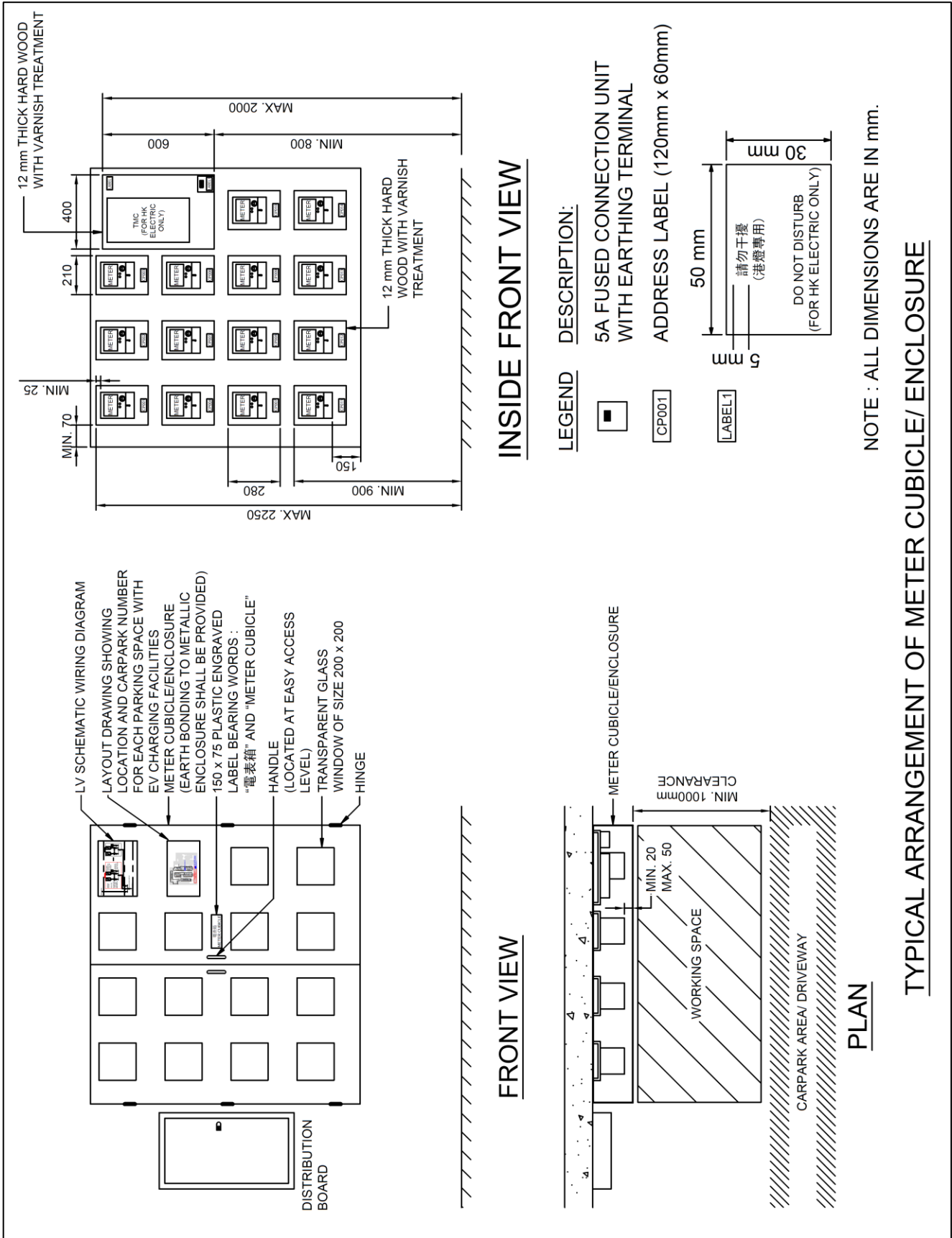
APPENDIX 1

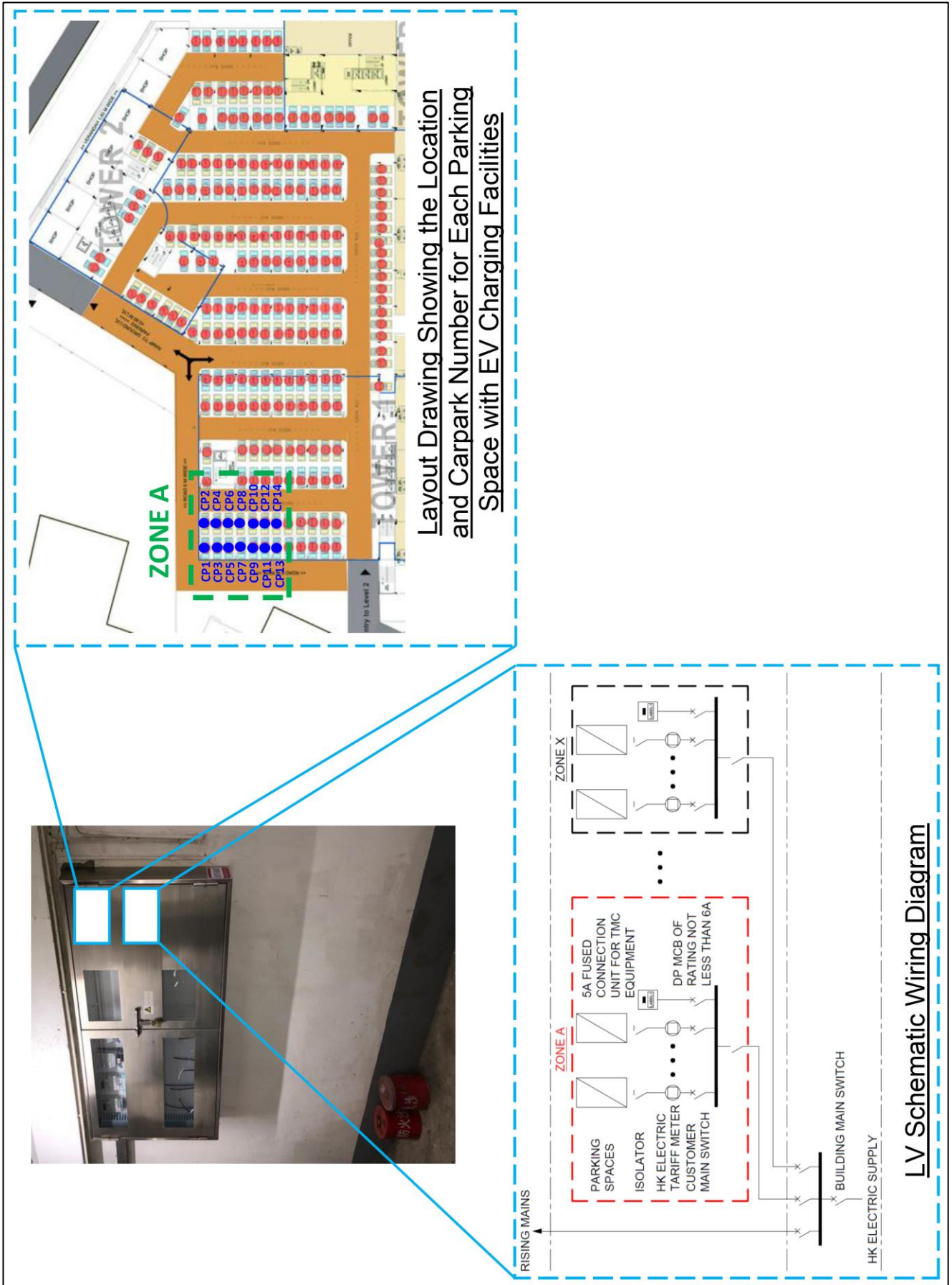
FACILITIES FOR TARIFF METER COMMUNICATION (TMC) INFRASTRUCTURE

PLAN



APPENDIX 2





APPENDIX 4

