

Welcome

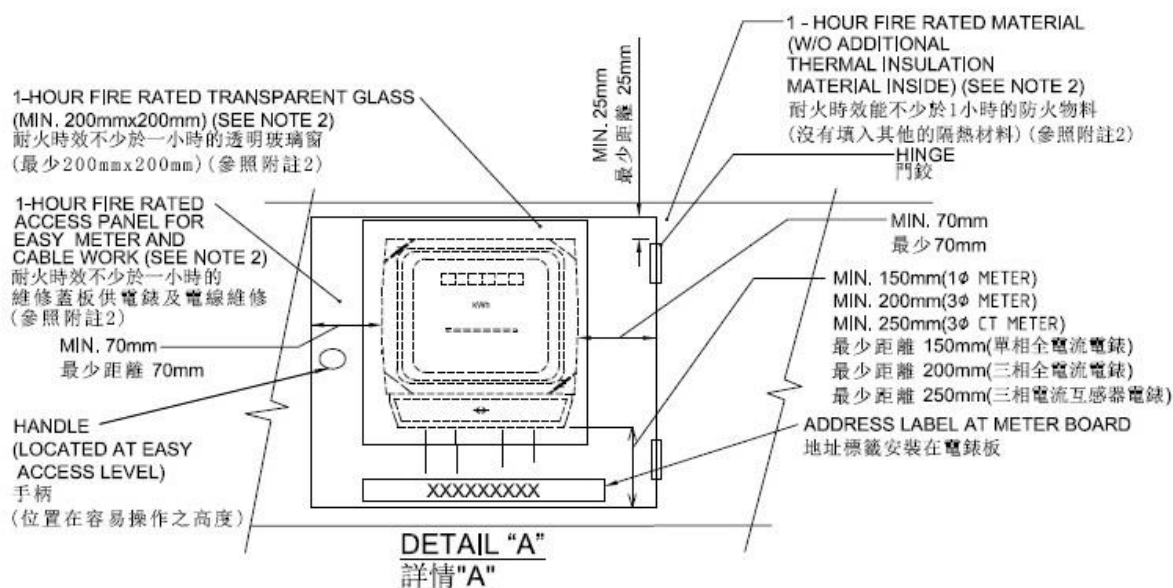
to our “e-REW Express”. Some buildings are required to provide/retrofit fire resisting enclosures to cover the electrical installations so as to comply with the Fire Safety (Buildings) Ordinance. Since the said enclosures may also cover HK Electric’s service cutouts and tariff meters, special provisions must be made to allow access for operation and maintenance of these apparatuses. In this issue, we will describe the requirements of fire resisting enclosures when they are installed to cover HK Electric’s service cutouts and tariff meters, and the advisory service we provided.

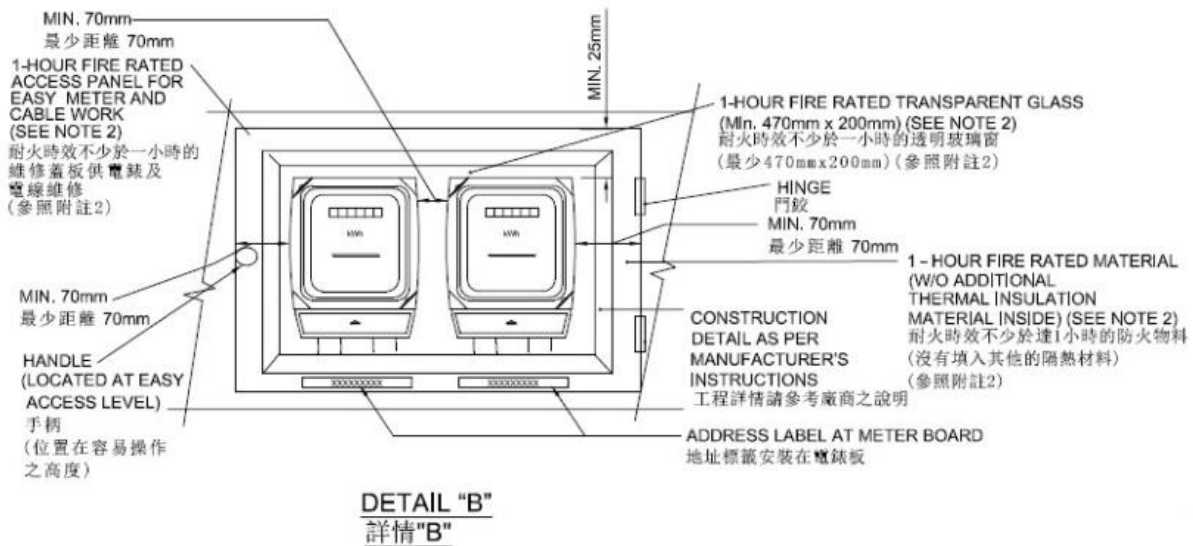
We hope you will find the information of this e-REW Express useful. If you have any suggestion, please send an email to us at mail@hkelectric.com or contact our Customer Installation Section on 2887 3455 so that we can further improve our service.

Requirements of Fire Resisting Enclosure for HK Electric Service Cutouts and Tariff Meters

1. Fire Resisting Enclosure (FRE) for Tariff Meter

1.1 During the planning stage, the Registered Electrical Contractor (REC) / Registered Electrical Worker (REW) shall submit the design and installation method of the proposed FRE to HK Electric for consideration. The design shall comply with Detail “A” and Detail “B” as follows:

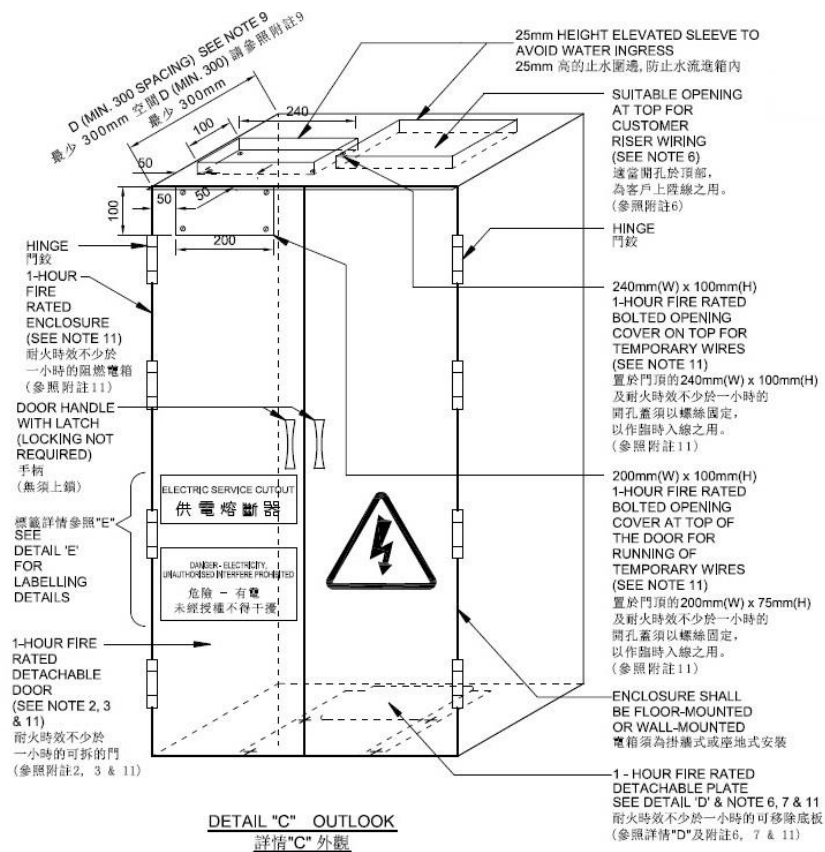
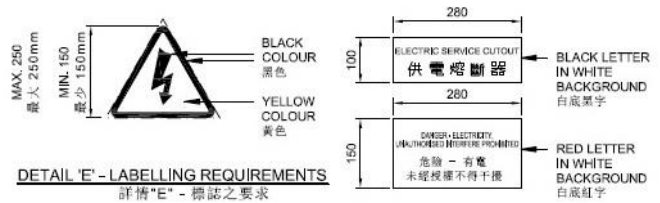
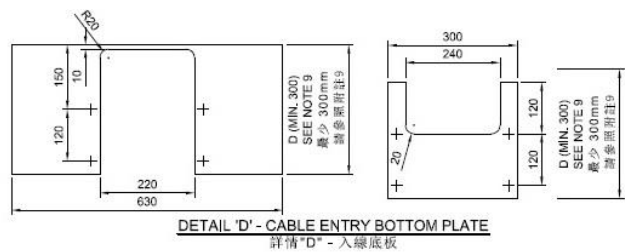
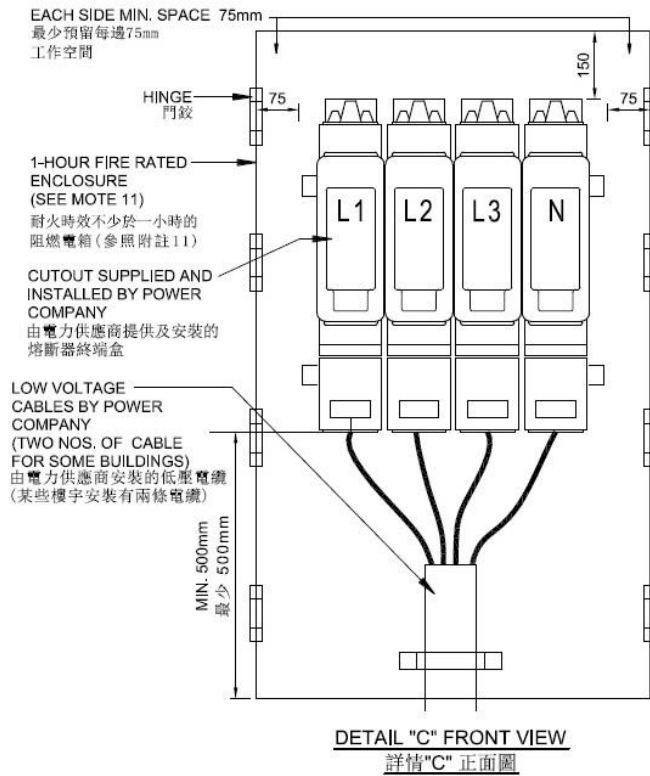




- 1.2 The FRE, including transparent glass and access panel, shall be constructed to have a fire resisting period of not less than 1 hour with regard to both integrity and insulation, complying with Fire Service Department & Building Department requirements and relevant government regulations.
- 1.3 The 1-hour fire rated enclosure shall not be filled with thermal insulation. The current carrying capacity of the cable will be reduced if the cable and accessories are thermal insulated.
- 1.4 The current carrying capacity of the cable shall not be jeopardized after the work. If the current carrying capacity is reduced after installing enclosure, the cable size shall be enlarged.
- 1.5 Adequate working space shall be provided for future maintenance and repair.
- 1.6 In case of any work required by HK Electric, such as meter removal, disconnection & reconnection, the building owner shall be responsible for dismantling and reinstatement of the FRE.
- 1.7 If any relocation of tariff meters is required to facilitate the installation of FRE, please contact HK Electric at 2887 3455 before work commencement.

2. Fire Resisting Enclosure for Service Cutout

- 2.1 During the planning stage, the Registered Electrical Contractor (REC) / Registered Electrical Worker (REW) shall submit the design and installation method of the proposed FRE to HK Electric for consideration. The design shall comply with Detail "C", Detail "D" and Detail "E" as follows:



2.2 The working space of width not less than 900mm. The 1-hour rated door shall be with full swing 180 degree and it shall be detachable and can only be detached by pushing upwards without tool

when it is opened for more than 30 degree. The total weight of each removable door shall not exceed 10kg.

2.3 The FRE shall not hinder or obstructed operation and maintenance of our service cutout.

2.4 The FRE, including transparent glass and access panel, shall be constructed to have a fire resisting period of not less than 1 hour with regard to both integrity and insulation, complying with Fire Service Department & Building Department requirements and relevant government regulations.

2.5 The cable entry openings of the FRE shall be properly sealed with fire retardant materials by customer after the cable is installed.

2.6 The owner of the enclosure shall submit a confirmation letter to us undertaking the future maintenance of the FRE.

3. Mock Up Inspection

3.1 A mock up inspection for the typical FRE installed at site can be arranged with HK Electric prior to the large scale installation for the whole building. Please call us at 2887 3455 for arranging the mock-up inspection.

3.2 From our past experience, some common departures of FRE are indicated below for your reference.



The fibre-glass inside the FRE would be an obstacle for HK Electric to carry out maintenance / repairing works



The size of door of enclosure does not comply with HK Electric's requirement.

We are pleased to provide our advisory service to Registered Electrical Contractor (REC) / Registered Electrical Worker (REW) and they are welcomed to provide us with the proposal of the Fire Resisting Enclosure for our consideration.