

# CLEARING OF ELECTRICAL PLANS

## Checklist of Requirements

1. Properly accomplished application form;
2. Certificate of Appearance of the signing PEE;
3. A copy of the PRC license and PTR of the signing PEE (with 3 signature specimen)
4. Technical plans/drawings containing the following:
  - a. Location/vicinity and site plan;
  - b. General notes and/or specifications;
  - c. Legend or symbols;
  - d. Plans for the power lay-out;
  - e. Plans for the lighting lay-out;
  - f. Single line diagram for the entire installation;
  - g. Schedule of loads;
  - h. Design analysis containing the following:
    - voltage drop calculation;
    - calculation of short circuit current determining the interrupting capacity of over current;
    - protection coordination of overcurrent protective devices;
    - arc-flash hazard analysis;
    - plan for fire alarm circuits;
    - other details such as: exposed conductor; Auxilliary gutters, wireways, busway, cabinet boxes, metallic raceway and underground installation; Private pole installations; Low energy power and low voltage power installation; and
  - i. Plans and specifications for indoor and/or outdoor substation (to include bonding and grounding system)

### NOTES:

Requirements	Specification/Description
Location and site plans <i>(Article 1.3.2.1) A, B, C</i>	With General Notes and/or specification, Legend or Symbols
Plan for Power Layout	Plan for Power Layout
Plan for Lighting Layout	Plan for Lighting Layout

Single line diagram for the entire installation	Single line diagram for the entire installation
Schedule of loads	Schedule of loads
Design Analysis (Article 1.3.2.1)	Voltage drop calculation
	Calculation of short circuit current determining the interrupting capacity of over current
	Protection Coordination of overcurrent protective devices
	Arc-Flash Hazard Analysis
Article 1.3.2.1	Plan for fire Alarm Circuits
Article 1.3.2.3	Other details such as : Exposed conductor; Auxilliary gutters, wireways, busway, cabinet boxes, metallic raceway and under ground installation; Private pole installations; Low energy power and low voltage power installation
Article 1.3.3	Plans and specifications for indoor and/or outdoor substation (including bonding and grounding system)

Specific requirements on the technical plans

No particular number of sheets for the technical drawings.

Drawing Sheets Size (Article 1.3.1.1)	760mm X 1000mm
	600mm X 900mm
	500mm X 760mm
Title Block (Article 1.3.2.2)	Standard strip of 40 mm high at the bottom of the sheet
	Name and location

	Name, signatute and address of Owner/manager/operator
	Title of Sheet
	Name, signature and seal of PEE together with PRC license no. and validity, PTR and TIN no.
Drawing Scale (Article 1.3.1.2)	Metric drawing scale