

SECTION 1 Introduction

Purpose

This booklet contains requirements and responsibilities for making electrical installations that protect the interest of both the customer and the company, and comply with regulations for safe, reliable, and satisfactory service.

In issuing this guide, the company is in no sense relieving its customers of their responsibility to install their wiring in accordance with the National Electrical Code (NEC) and local ordinances, or to maintain their wiring and equipment in a safe operating condition. Customers, or their duly authorized representatives, are fully responsible for approval and acceptance of the wiring, equipment, and timing of their installation. The company is in no way responsible for the design and condition of its customers' wiring and equipment. Customers are responsible for contacting all third parties and to obtain necessary rights-of-way, permits (including environmental and roadway access permits, if required), approvals, inspections, and underground facility locating services for their installation. The company may request documentation from the customer substantiating completion of any such activities.

Customers are responsible for providing and maintaining any facilities necessary to secure their own equipment against disturbances including, but not limited to, loss of phase, loss of neutral, transients, voltage pulses, or harmonic or carrier frequencies whether originating with their own equipment or elsewhere. The company is not responsible for uninterrupted, unreduced, or unimpaired electric service, and therefore, the customer is strongly encouraged to provide adequate protection for computers, solid-state devices, or other voltage-sensitive equipment. Protection may include grounding systems, line filters, solid-state, line-voltage regulators, transient suppressors, isolating transformers, uninterruptible power supply systems, or generators. The company is not responsible for protection of, or liable for damage to, such equipment.

The customers are responsible for the means, methods, and safety of the work of themselves or their contractors, including compliance with all applicable laws, regulations, codes, and ordinances. Customers must secure any necessary licenses, easements, permits, or other property rights as necessary to complete their work.

The customers are responsible for ongoing maintenance of their wiring and equipment in compliance with all regulations, codes, system design changes, and operating changes that pertain to their installation of customers' wires or equipment. The cost for such ongoing maintenance and compliance is the responsibility of the customer.

The adequacy of the wiring, equipment, and protection of customer equipment is the responsibility of the customer. Approval by the company should not be construed to be an approval of the customer's installation in regard to its overall safety or adequacy, but will simply signify that the proposed installation meets the company's minimum requirements under these specifications.

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Scope

The requirements in this booklet cover conductors and equipment connecting the company's electric supply system at the customer's service point. It also includes other topics associated with the supply of electricity that are of mutual interest to the company, customers, architects, engineers, and electrical contractors.

Note: It is neither a complete set of specifications governing the installation of electrical wiring and equipment nor does it pertain to services above 600 volts (except as referenced in Sections 3 and 5). However, compliance with all specifications included in this booklet, as well as compliance with the current operating version of the *National Electrical Code (NEC)*, and municipal, state, and federal codes, helps eliminate delays in securing electric service.

Rate Schedule

For rate schedules and rules and regulations, refer to the *Tariff Schedules for Electric Service* on file with the New York State Public Service Commission (PSC). The schedule is available for examination at any customer service office and is available online at rge.com. It provides helpful information for the requirements for service and rate schedules.

Cooperation

The company wishes to provide the customer with safe, reliable, and satisfactory electric service in an efficient and courteous manner. The cooperation of customers and their agents is critical in providing safe, reliable, and satisfactory electric service. Accurate preliminary information supplied to the company early in the planning phase of new or enhanced electric service aids the company in ensuring proper scheduling and installation of the electric service.

Responsibility

Adequate electrical capacity of the service equipment is the customer's responsibility. The electrical contractor should assist the customer in determining existing and future needs. The customer is responsible for maintaining customer wiring and equipment in a safe and well protected operating condition. The customer is also responsible for the source of any backup, and any protection of customer equipment and facilities. Changes in connected loads must be reported to the company immediately. The company accepts no responsibility for the customer's wiring and equipment, and will charge for any service provided.

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Residential Responsibilities

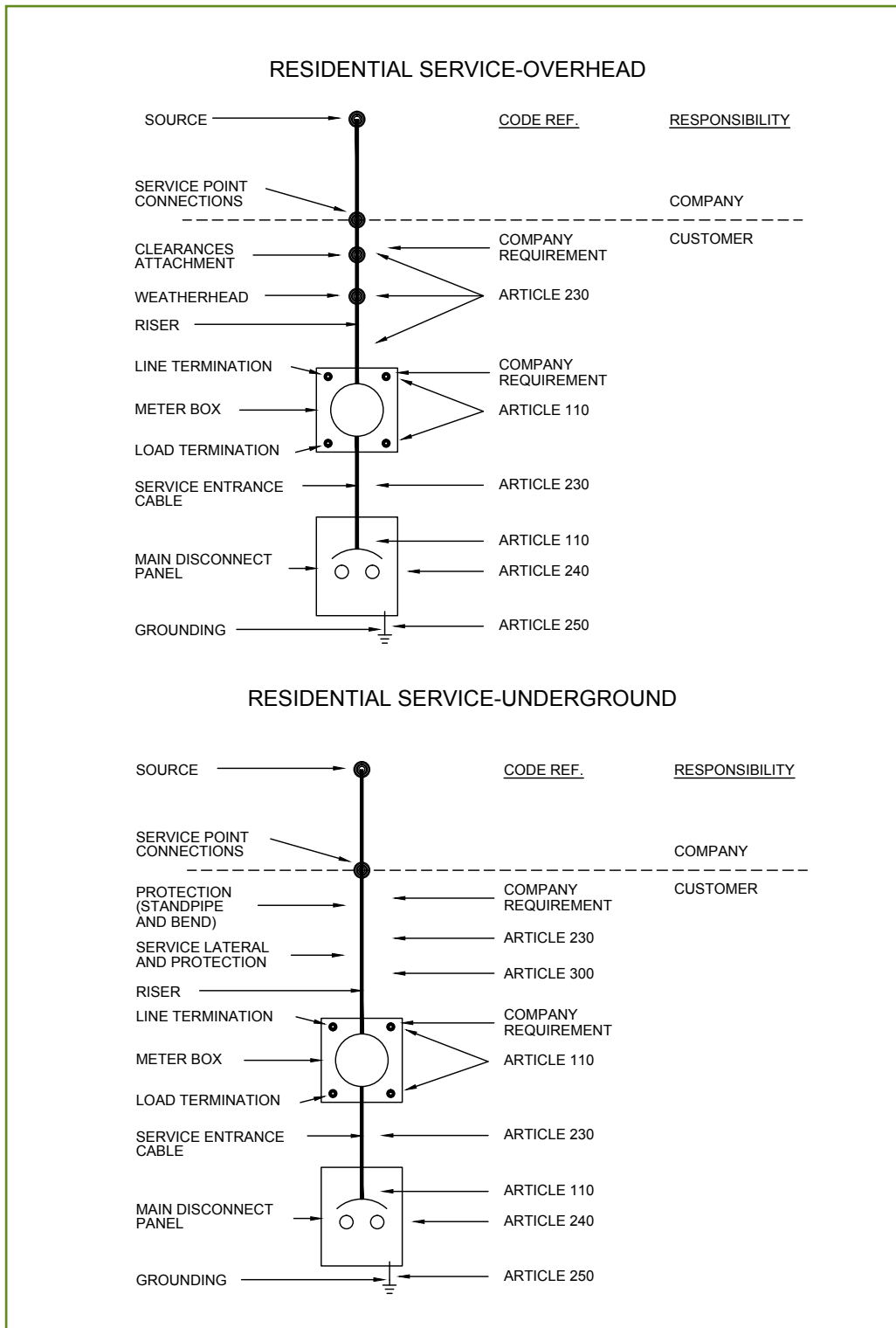


Figure 2

Non-Residential Responsibilities

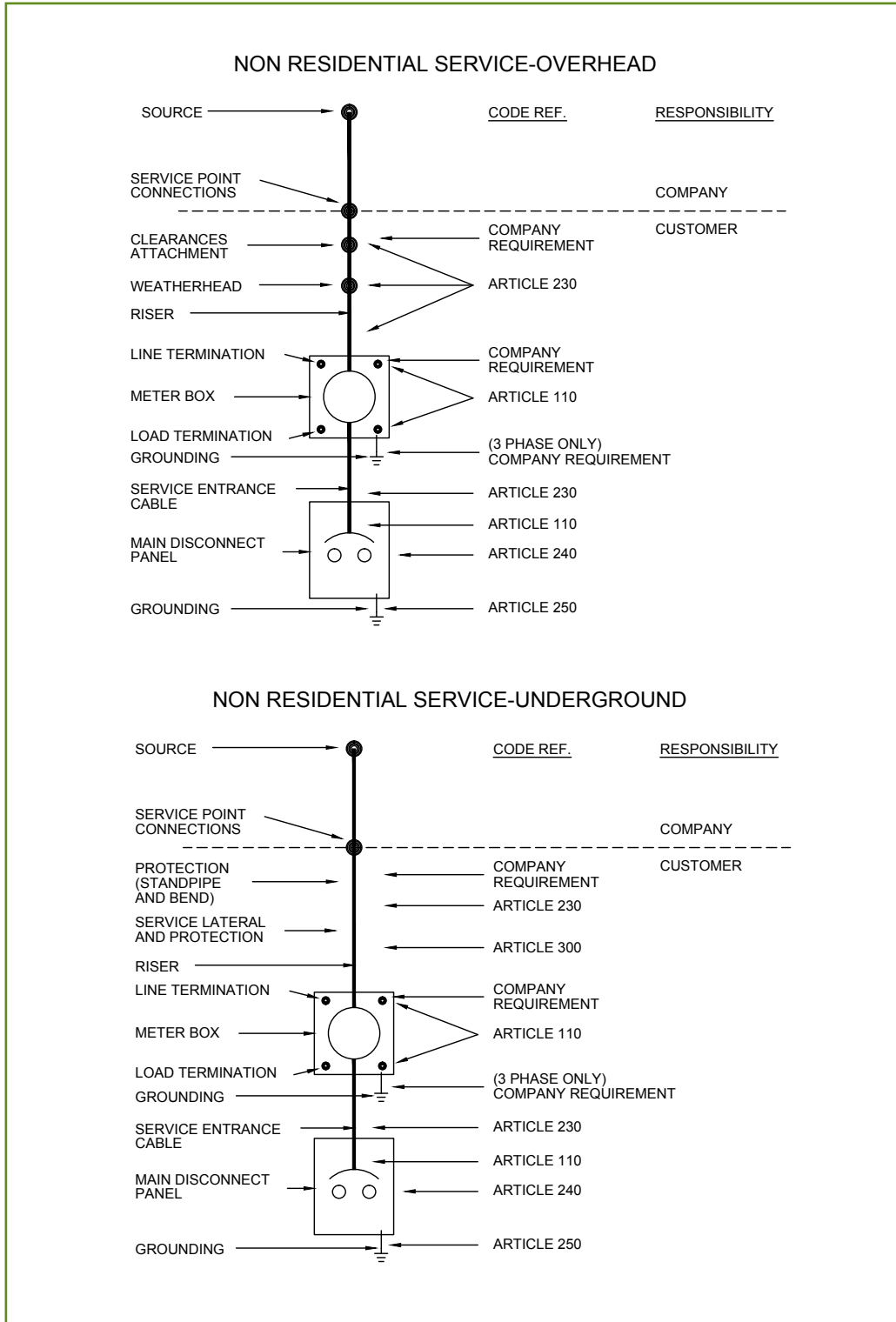


Figure 3

SECTION 1 Introduction

Electrical Inspections

To protect the customer's interests as well as its own, the company requires the customer to furnish, at the customer's expense, an electrical inspection certificate before energizing a new installation or for an upgrade to an existing electric service. Unsafe wiring will be denied service on both inactive and damaged facilities.

The company may also require a re-inspection before re-energizing a service.

The company requires a separate inspection for customer installed, high-voltage underground conduit systems. (Refer to Section 10)

Inspection certificates will only be accepted by the company from agencies approved by the company and the municipality in which the service is located. Inspections must confirm compliance with the current acceptable operational version of the NEC and municipal, county, state or federal codes, and any company specification that may supersede portions of the aforementioned codes. The company reserves the right to challenge the inspection when company personnel observe deficiencies in the installation at any time prior to energizing the service. The company refuses to provide service to unsafe wiring on both inactive and damaged facilities.

Note: These specifications are subject to revision without notice and will be revised or amended as required by developments within the industry to protect the mutual interests of the customer and the company. Additional copies of this booklet and any revisions can be obtained online at rge.com.