



ISD
Inspection Services
Division

Steven Goodkind, P.E.
DIRECTOR OF PUBLIC WORKS
CITY ENGINEER

Norm Baldwin, P.E., Assist Dir Tech Services

Shelley Warren
City Electrical Inspector
swarren@ci.burlington.vt.us

ELECTRICAL INSTALLATION INFORMATION: Bulletin 0003

UFER GROUND: All new construction involving new services (or sub panels, in the case of multiple buildings) and new foundations are required to incorporate the concrete encased electrode into the grounding electrode system.

UNDERGROUND INSTALLATIONS: All underground installations must be inspected prior to covering. If an inspection is not called for, the contractor is responsible for all costs associated with uncovering and re-covering the installation. As with any other type of electrical installation, underground conduit must be installed by or under the direct, on site, supervision of a Vermont licensed electrician.

EMERGENCY LIGHTING: Any unit equipment (battery-backup emergency lighting) must be on the same circuit and ahead of any switches, as the lighting it is replacing in the event of a power failure.

ARC FLASH LABELS: These labels are required on all “switchboards, panelboards, industrial control panels, meter socket enclosures and motor control centers” in other than dwelling occupancies. At present, there are five different manufacturers who have this sign available. Only a manufactured sign that conforms to the ANSI Standard referenced in the NEC will be acceptable.

ELECTRICAL PLANS: For projects where electrical drawings are required (see below) a full set of electrical drawings must be provided to the electrical inspector at least a week before a permit can be issued. The drawings must be stamped by a Vermont licensed PE with an electrical specialty.

ENGINEERED DESIGNS: “All design for new construction work, alteration, repair, expansion, addition or modification work involving the practice of professional architecture or engineering, as defined by the statutory requirements of the professional registration laws of the state shall be prepared by registered professional architects or engineers as certified by the state.” (Chapter 8, Burlington Code of Ordinances). What does this include? - Electrical designs must be done by Vermont licensed Professional Engineers with an electrical specialty, for any new commercial buildings, new multi family occupancies with greater than six units, any new stores at Burlington Town Center, any renovated buildings with services larger than 600 amps and any installation where the available fault current is higher than 10,000 amps.

TEMPORARY ELECTRICAL SERVICES TO JOB TRAILERS: These installations must comply with NEC article 550, including the following: the power supply from the service equipment must include an insulated equipment grounding conductor.

REINSPECTION DEADLINES: In accordance with Chapter 12 of the Burlington Code of Ordinances and in an effort to reduce the number of open permits, a deadline of 15 days will be enforced for re-inspections for violations. If violations are noted, a re-inspection date will be established “on the spot” or a completion form will be provided with the date of the 15 day deadline noted. Failure to comply with the 15 day deadline will result in a notice sent to the Vermont Electrician’s Licensing board and/or a notice of violation sent to the building owner and/or the de-energizing of the building’s electrical service (for severe safety violations).

PERMITS NEEDED: Electrical permits are needed for any wiring done in any building in Burlington, including control wiring, but with the exception of telecommunications and security. Permits must be paid for and in your possession before starting the work, (including “demo”). Work that takes place before getting a permit will be subject to an after the fact fee.