

ACP NEWS

July 2014

Cooperative Housing

For the purposes of applying Code Rule 2-005, Cooperative Housing units are NOT deemed to be owner occupied dwellings. CMHC clarifies that members own a share of the Co-op but not the individual unit they live in. Co-operatives are a group of people (members) that form a legal entity that have title to the entire set of units. The specific unit, condo or apartment is not owned by a person or persons. Similarly "time-share" units are not deemed to be owner occupied dwelling for application of Code Rule 2-005.

Amendment to OESC Rule 8-102 Voltage Drop

On Monday February 3rd, 2014, the Director's Order for OESC Rule 8-102 became effective. The amendment changes the existing OESC rule re: voltage drop requirements for lighting and general use branch circuits in residential single dwelling units. The change applies to single dwelling units.

Please refer to Code Bulletin 8-6-0 issued Feb 2014.

Pre-authorized Connection Authorization

If the outage is cancelled or the date is changed, the Contractor must advise ESA no later than the morning of the originally scheduled outage. A new connection authorization will be required when the outage is rescheduled.

PeakSaver

Many ACP Contractors are involved in the OPA Peaksaver energy conservation initiative and are installing demand response devices on air conditioners, electric water tanks and pool pumps. Over the past year a number of Code non-conformances have been identified with this work.

Def CodeGrp	Code Description
C2012-12/0780	12-1308 Liquid tight flex cond. support
C2012-12/0990	12-3010 Support outlet box to structure
C2012-12/1130	12-3022(3) Appr Cable Connect req'd
C2012-02/1245	02-300(4) Repair/remove defective equip
C2012-04/0260	04-036(1) Colour White For Power
C2012-04/0290	04-038(1) Insulated Gnd/Bond- green
C2012-10/250	10-618(3) Bond req'd in flex conduit
C2012-10/380	10-808(2) Secure Bond Conductor
C2012-12/0330	12-510(1) Min support spacing, NMSC
C2012-12/0910	12-3000(2) Metallic Boxes req'd
C2012-12/920	12-3000(3) Metal fittings in NM box

Commercial-Industrial

When contacting ESA to file an application for a commercial-industrial-agricultural-institutional site, when applicable, the caller must advise at the beginning of the call that the installation qualifies to be filed as a Small Job. Please be prepared to tell the CSR that based on the quantity of new devices/retrofit devices or the invoice value of the job (\leq \$500, \$501-\$2000, \$2001 - \$5000) the work qualifies as a 1:10, 1:5 or 1:3 C/I Small Job to ensure that the application is processed on the ACP program.

ACP - the key to electrical safety!

CONTACT THE ACP OFFICE AT 800-249-4583



Lighting Retrofits

Energy efficiency awareness and legislation are driving an increased number of lighting retrofits and field conversions to more energy efficient sources of lighting. When any approved electrical product is modified, that product is no longer approved. This applies to luminaires, illuminated signs or roadway lighting. When a luminaire is retrofitted, a luminaire is no longer approved.

Equipment is approved when it bears an approval mark by an accredited certification agency or a field evaluation agency and the Electrical Safety Authority (ESA) determines that the product presents no undue hazards to person/property and the installation passes inspection.

ESA has developed a Luminaire Conversion Program for accepting retrofitted luminaires, based on the requirements of *Rule 02-024, Approval of electrical equipment*, and *Ontario Regulation 438/07 Product Safety*. The program includes a Pre-assessment Process and an ESA inspection. The pre-assessment process will differ depending on the number of retrofitted luminaires per site:

- For ≤ 50 retrofitted luminaires at a site, an assessment form is completed by the Contractor and submitted to the ESA.
- For > 50 retrofitted luminaires at a site, an assessment form is completed by the Contractor and submitted to the ESA for review and approval. The pre-assessment process will result in an additional \$143 fee per batch on top of the ACP Small Job fee.

Contractors also have the choice to forego the above processes and instead have their retrofit projects approved by an accredited field (evaluation or certification) inspection firm. ESA Inspectors will verify the approval.

Proposed ACP Luminaire Conversion Program

The existing C/I Small Job program will be expanded to include the new Luminaire Conversion Program with higher volumes. ACP Contractors will be required to perform 10 site installations at 100% to qualify for the new program.

Details will be provided in the fall.

Note: Like-for-like ballast changes are NOT part of the lighting retrofit program and may be filed as ACP Small Jobs based on quantity under the existing C/I Small Jobs program.

ACP Contractor Accountabilities

ACP has a number of program requirements which must be followed. These include:

- Account with ESA, with a current account balance
- ECRA/ESA license (HVAC – applicable C of Q)
- 20 notifications filed & inspected in the previous 12 months
- Defect ratio ≤ 4%
- Must follow Program Processes and Contractor Accountabilities
- Must take ESA New Code training at each new Code cycle
- Applications must be filed for ALL electrical work as per the OESC Rule 2-004; applications must be filed before or within 48 hours of commencing electrical work (except 1:10 Small Jobs, which must be filed on the 1st and 15th of each month.).
- Contractors must work within the parameters of ACP; any work that falls outside the scope of a particular Vertical must be file on a separate Application for Inspection.
- When filing, the Contractor must disclose all information relating to the electrical installation to ensure ACP/non-ACP rules can be applied, appropriately.
- If a Contractor discovers existing hazards while on a work site, the Contractor must advise ESA immediately.
- Defects must be corrected within 30 days.
- A pre-authorized reconnection is valid only for the day for which it is issued.

Revised ACP Manual to be released in September 2014.

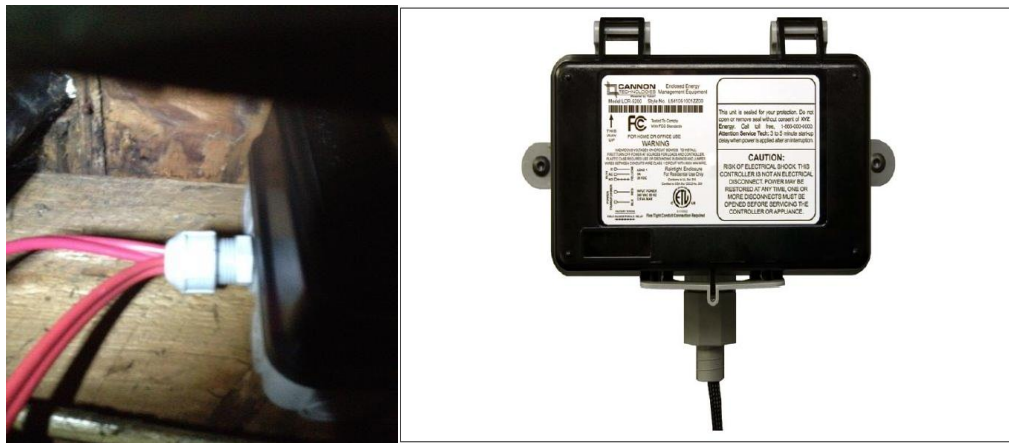
ACP - the key to electrical safety!

Technical Corner

Background: With the high demand for energy savings, ESA has been noticing a rapid increase in the installation of Peak Saver Program load shedding devices. As a result ESA has seen an increase in non-code compliant installations. The Ontario Electrical Safety Code (OESC) requirements for bonding of metal fittings when utilized with non-metallic wiring systems and the approved use of cable connectors is identified below.

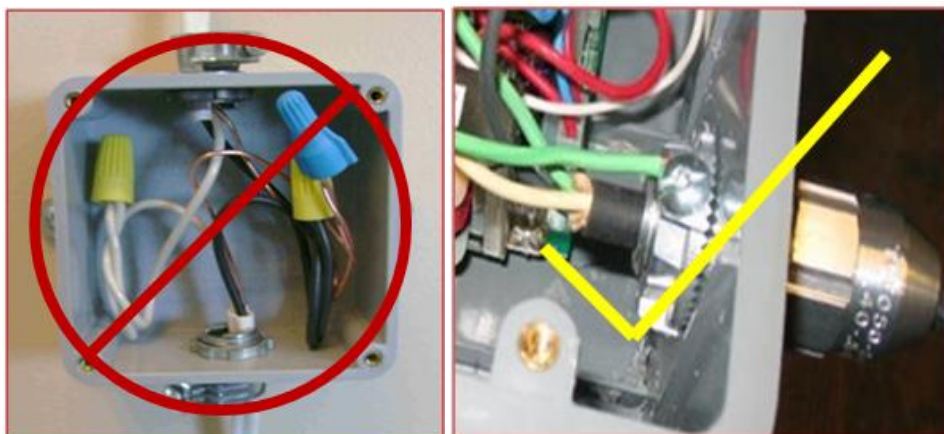
Direction-1:

Rule 2-034 of the OESC stipulates equipment shall be utilized as it has been approved. As such, a connector approved for a single cable shall not be used with more than one cable.



Direction-2:

Rule 12-3000(3) of the OESC identifies that where metal fittings are used to terminate a non-metallic wiring method to a non-metallic outlet box, the metallic fitting shall be bonded to ground. This applies where metallic connectors are used for NMSC entering non-metallic boxes for peak saver devices.



ACP - the key to electrical safety!

CONTACT THE ACP OFFICE AT 800-249-4583