Happy Passover and Belated Happy Easter

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HAPPY SPRING...WHEREVER IT MAY BE!

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IMPORTANT CODE INFORMATION

The joint effort between SCECA and Consumer Affairs should not go without praise. On Wednesday, March 23, 2005 they managed to bring together State and Town Officials, Fire Marshalls and Electrical Inspectors, with the intention of clarifying what codes should be enforced. After a well prepared presentation by New York State, Brookhaven, and Huntington Town Officials, the floor was opened up for questions to the approximately 50 people in attendance. However, with such a thorough presentation, it left only a few unanswered questions. The outcome of this meeting is as follows: All commercial work will fall under the 1999 NEC. All residential work will fall under the NYSRBC and the 1999 code for anything not covered by the NYSRBC. However, this excludes Brookhaven Town. Residentially, in Brookhaven Town the NYSRBC and the 2005 NEC is being enforced, the more stringent of the two would apply. Commerically the 2005 NEC is the code being enforced. In closing Consumer Affairs, SCECA and all others involved in this should be applauded for their work and accomplishment.

Eddie Rodriguez

Just a quick thank you to LIPA for their Three Phase Pad Mounted Transformer Training Seminar. It was quite informative and a special thank you to Steve for doing a great presentation

MONTHLY WEDNESDAY NIGHT SEMINARS:

If you do wish to attend one of our Wednesday night seminars, when calling to give your name, please make sure that your name and telephone number are taken. As in the past, we've had to cancel for emergencies out of our control and we were unable to let anyone know. I do apologize for any inconvenience.

April 20th's meeting is on
GROUNDING

Summer's Coming!!

Sooner or later we will get some warm weather and the air conditioning season will start. So let's look at some NEC and NYSRBC requirements.

First, the air handler:

1. A disconnect must be within **sight of the air handler**. The circuit breaker or a rated toggle switch is fine if in sight of the air handler.
2. The maximum circuit breaker for the air handler is 15amps (Read the name plate). If heating elements are in the air handler the circuit breaker might be larger.
3. A light and receptacle are required in the vacinity of the air handler.
4. All receptacles have to be GFCI protected if in the basement, crawl space or similar location. (If a receptacle is required for a condensate pump it has to be a dedicated (single) receptacle or GFCI protected as above.
5. Since an air handler has to be serviced working room is required.

Next the condensor:

1. A disconnect must be within **sight of the condenser.**

2. Working room (36" deep by 30" wide) is required in front of the disconnect switch.

3. The wipe has to be strapped within 12" of the disconnect switch and at the condenser.

4. The circuit breaker cannot be larger than the maximum size specified on the name plate.

Finally the wiring: Conductors and cables run in conduit are considered to be in the same enviornment if there are in a oonduit or not. If the wiring has to be run outdoors in a conduit NM (romex) cannot be used. The cable or conductors must be rated for a wet location.

Thank You
Jerry Flaherty

Here's a question and answer from Mr. UL himself....Mr. John Cangemi

Q. I often hear of a Nema 1 or 3 box. What does this mean?

A. Equipment must be suitable for the application, suitable for the environment in which it is used, and Listed for the purpose.

Section 110.11 of the NEC specifies that equipment shall be identified for use in certain operating environments. Section 300.6 provides guidance regarding protection against corrosion, and Table 430.91 provides the basis for selecting motor controller enclosure types for use in specific locations. To assist inspection authorities, UL requires type designations on power distribution and control equipment enclosures such as cabinets and cutout boxes, enclosed panelboards or switchboards, meter sockets, enclosed circuit breakers or switches, industrial control and other equipment. The following table summarizes the intended uses of the various type enclosures for other than hazardous locations: Enclosure Type Number. Provides a degree of protection against the following environmental conditions*

1 Indoor use.
2 Indoor use, limited amounts of falling water.
3R Outdoor use, undamaged by the formation of ice on the enclosure.**
3 Same as 3R plus windblown dust.
3S Same as 3R plus windblown dust, external mechanisms remain operable while ice laden.
4 Outdoor use, splashing water, windblown dust, hose-directed water, undamaged by the formation of ice on the enclosure.**
4X Same as 4 plus resists corrosion.
5 Indoor use to provide a degree of protection against settling airborne dust, falling dirt, and dripping noncorrosive liquids.
6 Same as 3R plus entry of water during temporary submersion at a limited depth.
6P Same as 3R plus entry of water during prolonged submersion at a limited depth.
12,12K Indoor use, dust, dripping noncorrosive liquids.
13 Indoor use, dust, spraying water, oil and noncorrosive coolants.

*All type enclosures provide a degree of protection against ordinary corrosion and against accidental contact with the enclosed equipment when doors of covers are closed and in place. All type enclosures provide protection against a limited amount of falling dirt.

**All outdoor type enclosures provide a degree of protection against rain, snow and sleet. Outdoor enclosures are also suitable for use indoors if they meet the environmental conditions present. An enclosure that complies with the requirements for more than one type of enclosure may be marked with multiple designations. Enclosures marked with a type may also be marked as follows:

A Type 1 enclosure may be marked "Indoor Use Only."
A Type 3, 3S, 4, 4X, 6 or 6P enclosure may be marked "Raintight."
A Type 3R enclosure may be marked "Rainproof."
A Type 4, 4X, 6 or 6P enclosure may be marked "Watertight."
A Type 4X or 6P enclosure may be marked "Corrosion Resistant."
A Type 2, 5, 12, 12K or 13 enclosure may be marked "Driptight."
A Type 3, 3S, 5, 12K or 13 enclosure may be marked "Dusttight."

For equipment designated "Raintight," testing designed to simulate exposure to a beating rain will not result in entrance of water.

For equipment designated "Rainproof," testing designed to simulate exposure to a beating rain will not interfere with the operation of the apparatus or result in wetting of live parts and wiring within the enclosure.

"Watertight" equipment is so constructed that water does not enter the enclosure when subjected to a stream of water.

"Corrosion resistant" equipment is so constructed that it provides degree of protection against exposure to corrosive agents such as salt spray.

"Driptight" equipment is so constructed that falling moisture or dirt does not enter the enclosure.

"Dusttight" equipment is so constructed that circulating or airborne dust does not enter the enclosure.

John, thank you very for taking the time out of your busy schedule to write for us and as always thank you for sharing your knowledge. P. S. This was the closest I could get to Cangemi Pink! Fran