

## PROCEDURE POLICY #6

### ELECTRICAL/ELEVATOR SECTION

#### **ITEM:**

MONITORED OR UNMONITORED SMOKE **DETECTOR SYSTEMS**. (USUALLY 12/24 VOLT SYSTEMS).

#### **BASIS:**

To ensure that the electrical wiring for the smoke detectors meets the applicable City Ordinances and that the wiring is installed in a safe, reliable and approved manner.

#### **ENFORCING AGENCY:**

The Office of Central Inspection - Electrical/Elevator Section.  
The City of Wichita Fire Department.

#### **BACKGROUND:**

Section 15.02.050 of The City of Wichita Code states in part-- "Required detectors shall receive their primary power from the building wiring when such wiring is served by a commercial source." After careful consideration between representatives from The City of Wichita Fire Department, (J.A. Kater) and The Office of Central Inspection Electrical Section, (Wayne Bolen) in October 1992 it was determined that this requirement is not intended to disallow or prohibit the use of low voltage (12/24 volt) monitored systems. **HOWEVER**, the following conditions and procedure must be met:

#### **PROCEDURE:**

Whenever a low voltage monitored or unmonitored, smoke detector system is to be installed **in lieu of** "LINE VOLTAGE" (120V) system, the following conditions and procedure must be met:

1. The system shall be permanent and without any disconnecting means other than those required for overcurrent protection. The use of **ANY DISCONNECTING SWITCH**, other than those required for overcurrent protection **IS NOT ALLOWED**.
2. The system **MUST HAVE BATTERY BACKUP**.
3. The system **MUST BE LISTED** by an approved testing laboratory (UL, ETL, ETC.).
4. Provide an alarm which shall be clearly audible in all sleeping areas over background noise levels with all intervening doors closed.
5. Must be permanently installed and operable as a stand-alone system.