

## **DIVISION 16 - ELECTRICAL**

### **Section 16730 - Clock and Program Systems**

#### **Introduction**

Clock systems shall be provided for all new buildings when specifically identified in the Project Scope of Work. The University has a master clock system which receives a signal from the National time standard located in Colorado. All campus clocks are synchronized to this signal from the master clock. Therefore it is imperative that the specification and drawings include requirements for connecting the new buildings to the plant distribution system.

Signal systems shall be provided for all new classroom type buildings and construction. The signal system shall be programmable through the building master clock system.

Bell system wiring shall be run with the clock system.

Each new or renovated system shall incorporate a building submaster clock to isolate each building in case of a fault on the main campus master clock.

#### **Part 1 - General**

- Provide complete submittals on all new clock systems including complete maintenance and operation manuals for each new system installed.

#### **Part 2 - Products**

- Compatible with the present Master time system which is manufactured by Simplex Time Recorder Company.
- Any substitute must prove that it is compatible with this system.
- The existing system is a 24 vdc impulse system with a 24 vdc 3 wire correction. All clocks should be semiflush mounted. Each clock shall have an integral two lobe 5 minute catch up cam.
- Wiring color code should be in accordance with section 16195.

#### **Part 3 - Execution**

- For rearrangement type projects final tie-in of clocks to building system will be by the University Facilities Management Electric Shop.
- Final tie in of new building systems with the campus systems will be by the University Facilities Management Electric Shop.
- Testing for new facilities shall be done with factory trained representative of the manufacturer, the U of A electric shop, and the Engineer.

#### **End of Section 16730**