CLOCK SYSTEMS

Scope

Provide clocks and clock accessories to the extent required by the Owner's Project Requirements (OPR) document.

Related Sections

U-M Master Specification Sections:
275313 –Clock Systems

Design Requirements

For new buildings, building additions and major renovation projects, provide GPS wireless clocks. Submit a request to the U-M Fire Protection Shop (through the Design Manager) to perform an analysis of the GPS signal strength in the project area. Provide a GPS signal transmitter if necessary to assure adequate GPS signal strength.

For smaller renovation projects, match the building's current clock system if the current clock system is working adequately. If the current clock system is not working adequately, provide GPS wireless clocks.

Use U-M Master Specification 16730 to specify GPS wireless clocks and signal transmitters. When matching the building's current clock system, contact the U-M Fire Protection Shop for their recommendations on specification requirements.

Equipment Requirements

In general, provide 120 volt powered, GPS signal synchronized, wireless, single face wall mounted or double face edge mounted, analog clocks. Battery powered GPS wireless clocks may be used only when approved by the Users and only when the Users acknowledge they must periodically replace the batteries.

In general, clocks shall be 12.5 inch nominal diameter with white faces, polycarbonate frames (color by the A/E), polycarbonate lenses, black standard numerals and sweep second hands.

When a GPS signal transmitter is required, coordinate with the clock manufacturer and specify the appropriate 1 watt output model. Locate the transmitter in accordance with the manufacturer's instructions.

Installation Requirements

Clocks in classrooms should be located on side walls so they are visible to both the professor and the students.

Provide a simplex NEMA 5-20R receptacle in a flush-mounted single gang outlet box to power each 120 volt clock and GPS signal transmitter.

Provide the clock manufacturer's standard lock-type hanger which requires a sequence of movements to install and remove the clock.