

SECTION 107413
Miscellaneous Specialties
EXTERIOR CLOCKS

PART 1 GENERAL

1.01 Section Includes

- A. 1. Tower Clock Components and Remote Control System.
- B. Related Sections
 - 1. Basic Materials and Methods: All raceways, junction boxes, conduit wire to be provided by electrical contractor.
 - 2. Finish Carpentry: Removable plywood reflector and access panel painted white.

PART 2 PRODUCTS

2.01 CLOCKS

- A. Furnish complete clock system consisting of (N) tower clocks and (1) remote control system.

“N” is the quantity of clocks required.

- B. Manufacturer: Electric Time Company, Inc., 97 West Street, Medfield, MA, USA (508)-359-4396/(800)-531-2562 FAX (508)-359-4482 – <http://www.electrictime.com> - sales@electrictime.com

- C. Tower Clock Components

Dial:

Single sheet (not pieced) translucent milky-white acrylic.

Finishes:

Dial markings to have a matte black finish, rings and hands to have a black polyurethane finish.

Hands:

As selected by architect.

Dial Markings:

As selected by architect.

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Illumination:

Backlit with white LEDs and their associated LED drivers.

Crystal:

Provide clear, flat tempered glass crystal.

Listing:

Provide UL 48 listing on clock assembly

Movement:

Style MI Design. 24VAC drive motor and electronics. 8 second maximum run time. Alternating hall effect switched closed loop minute impulse operation. Composite lubrication free bearing. Single source: Clock and movement to be manufactured by the same company.

Rings:

Aluminum flat retaining and angle rings.

Style:

Style 24XX

“XX” is the size of clock – available standard sizes are 18”,24”,30”,36”, 42”, 48”, 54”, 60” (72”, 84” and 96” are style 4600).

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- D. Provide Type 99B-MI automatic reset control;
- IP65 Enclosure – Indoor & Outdoor Use
 - Automatically resets clock after power failures.
 - Automatically resets clocks for daylight savings time (if required)
 - Precision Quartz Time base 4 minutes per year maximum drift.
 - Optional GPS – no drift.
 - Built in 100 year daylight savings time calendar.
 - 2 Line 16 character backlighted LCD display.
 - ETL listed to UL 863.
 - Power Failure Event logging.
 - Standard MI output – 4 clocks maximum standard
 - Standard 24VDC RP output -20 clocks maximum
 - Sweep Second hand output
 - Hour Strike Capability.
 - RS-232 and RS-485 output ports
 - 24 VAC hour strike output – configurable pulse output

PART 3 EXECUTION

3.01 Installation

- A. Inspect substrates, supporting items and related conditions, to ensure that they are ready to receive each item, prior to commencement of installation.
- B. Install each item at locations indicated on drawings, as detailed, and in accordance with manufacturers' instructions.