

SECTION 26 52 00

EMERGENCY LIGHTING

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Emergency battery units.
- B. Emergency exit signs.

1.2 REFERENCES

- A. NFPA 101 - Code for Safety to Life from Fire in Buildings and Structures.
- B. NEMA WD1 - General Purpose Wiring Devices.
- C. UL 924 Emergency Lighting and Power Equipment.

1.3 REGULATORY REQUIREMENTS

- A. Conform to NFPA 101 and UL 924 for materials and installation methods.

1.4 SUBMITTALS

- A. Submit product data under provisions of Division 1.
- B. Provide product data on emergency lighting units, exit signs, and emergency fluorescent lamp power supply units.

PART 2 - PRODUCTS

2.1 EMERGENCY EXIT SIGNS

- A. Manufacturers:
 - 1. As included in the Lighting Fixture Schedule in Section 26 06 50.16.
- B. Emergency Exit Signs: Exit signs shall be UL 924 listed. Signs shall be thin profile, and shall be equipped with an integral dual voltage (120/277) input transformer. Sign housings shall be edge-lighted with red LED lamps on a clear face panel.

2.2 EMERGENCY BATTERY UNITS

- A. Manufacturers: As included in the Lighting Fixture Schedule in Section 26 06 50.16.
- B. Emergency Battery Units: Emergency battery units shall be UL 924 listed. Battery unit shall include an integral battery, battery charger and transfer switch to allow for operation for 90

minutes upon loss of normal power. Housings shall be injection-molded, color-stable, high impact polycarbonate with a white finish. Fixtures shall be provided for either 120-volt or 277-volt input (field selectable). Emergency battery units shall include the following features:

1. Battery: Sealed lead calcium type, 250
2. Battery Voltage: 6-volts
3. Charging System: Charger with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch
4. Full recharge Time: 24 hours (maximum)
5. Mounting Method: Wall mount with hard-wire connection to recessed electrical box
6. Lamp Heads: Dual PAR36, 9-watt
7. Power Consumption: 14.4 watts (maximum)

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Connect Exit Signs to the closest emergency lighting circuit that serves adjacent egress lighting luminaires. Exit Signs shall be connected ahead of any local switching for continuous operation.
- B. Connect Emergency Battery Units to the lighting circuit that serves the local lighting luminaires within the room in which they are located. Emergency Battery Units shall be connected ahead of any local switching for continuous operation.
- C. Install all Exit Signs and Emergency Battery Units in conformance with the manufacturer's instructions.
- D. Install Exit Signs and Emergency battery Units plumb and level.
- E. Where located at exit doors, install Exit Signs immediately above exit door head frame. Where glass transoms are included, Exit Signs shall be installed above transom head frame. Where ceiling heights do not allow sufficient space for installation of Exit Signs immediately above door frames, consult Architect in the field for mounting location.
- F. Exit Signs that are indicated to be wall mounted apart from exit doors, and wall mounted Emergency Battery Units shall be installed so that the bottom of fixtures is 8'-0" AFF. Where ceiling heights do not allow for an 8'-0" mounting height, consult Architect in field for mounting location. In no case shall Exit Sign, nor Emergency Battery Units be installed at a height lower than 7'-0" AFF to the bottom of fixtures.
- G. Aim directional Emergency Battery Unit lighting heads as directed in the field after installation.

END OF SECTION 26 52 00