

The School District of palm Beach County

Project Name:

SDPBC Project No.:

SECTION 16535
EMERGENCY LIGHTING EQUIPMENT

PART 1 GENERAL

1.1 WORK INCLUDED:

- A. Emergency lighting units.
- B. Emergency LED exit signs.
- C. Emergency fluorescent lamp power supplies.

1.2 REFERENCES

- A. FS W-L-305 - Light Set, General Illumination (Emergency or Auxiliary)
- B. NFPA 101 - Code for Safety to Life from Fire in Buildings and Structures
- C. NEMA WD1 - General-Purpose Wiring Devices.

1.3 SUBMITTALS

- A. Submit product data under provisions of Section 01300.
- B. Provide product data on emergency lighting units, exit signs, and emergency fluorescent lamp power supply units.

PART 2 PRODUCTS

2.1 INCANDESCENT EMERGENCY LIGHTING UNITS

- A. Emergency Lighting Unit: Self-contained unit with rechargeable storage batteries, charger, and lamps.
- B. Battery: 6 volt, nickel-cadmium type, with 1.5-hour capacity to supply the connected lamp load.
- C. Charger: Dual-rate charger, capable of maintaining the battery in a full-charge state during normal conditions, and capable of recharging discharged battery to full charged within 12 hours.
- D. Lamps: 8-Watt minimum, sealed beam type PAR 36.
- E. Remote Lamps: Match lamps on unit.
- F. Unit Housing: Steel with bronze hammer tone finish.
- G. Indicators: Provide lamps to indicate AC ON and RECHARGING.
- H. Provide switch to transfer unit from normal supply to battery supply.
- I. Electrical Connection: Knockout for conduit connection.

2.2 SELF-CONTAINED EMERGENCY POWER LED EXIT SIGNS

- A. Type: Exit signs with integral battery-operated emergency power supply, including power failure relay, test switch, AC ON pilot light, battery, and fully-automatic two-rate charger.
- B. Battery: Sealed lead acid or lead calcium cell, requiring no maintenance or replacement for 10 years under normal conditions.

PART 3 EXECUTION

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3.1 INSTALLATION

- A. Install units plumb and level.
- B. Aim directional lamp heads as directed.

END OF SECTION