

SECTION 16613 - EMERGENCY POWER SUPPLIED SYSTEMS

PART 1 - GENERAL

1.01 A. Related Requirements Specified Elsewhere:

Section 16010-Basic Electrical Requirements

B. A separate and independent system of light fixtures outlets, conduit, wiring and distribution panels, etc., provided in all buildings for a 208Y/120 volt emergency system powered by generator or storage batteries.

1.02 The emergency system shall include:

A. Emergency Lighting for all corridor, hallway and stairway that is required by code to support the evacuation and egress of a building during an emergency which results in the loss of normal power shall comply with the following.

1. Emergency lighting levels shall be sufficient to evacuate a building as required by code.
2. Emergency lighting can be combine with normal lighting if one of the following methods is used.
 - a. Bodine ballasts in fluorescent fixtures.
 - b. UL Listed, NEC/NFPA Compliant, Emergency Lighting Switching Controller

B. Exit lights placed so that residents can be led to the most direct route to the exit.

C. LED exit signs shall be illuminated by light emitting diodes and wired in parallel per UL 924 such that if one diode fails, the rest of the sign will stay lit. These units shall operate on power supplied form the emergency power system or batteries.

D. Stencil type signs are permitted.

1.03 Buildings that are not required to have an Emergency Power Supplied System shall be equipped with battery powered exit signs and battery powered emergency lighting as directed by the (Owner) UNH.

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PART 2 - PRODUCTS

- 2.01 Exit Signs: Hubbell/Dual Lite CSX Series
Hubbell/Dual Lite LX Series
Cooper Sure-Lites UX
- A. Dorm High & other High Abuse Areas: Life Time warranty on lens and housing Kenall Series 6500 – LED Trailmate XMLB/METSU/METDU
- 2.02 Emergency Lights: (where permitted by the Owner)
- A. Dorm Areas Hubbell/Dual-Lite AS Series
Hubbell/Dual-Lite CVEC Series
Cooper Sure-Lites XR Series
Lithonia - Series C/M & TITAN
Kenall - Exilume Series
- B. Academic Areas Only, Hubbell/Dual-Lite CV Series
Hubbell/Dual-Lite AS Series
Hubbell/Dual-Lite LZ Series
Cooper Sure-Lites CC2 & CC8 Series
Cooper Sure-Lites LPX(H) Series
Lithonia - Series ELU-C/CM or TITAN
- C. High corrosion area outdoors Hubbell/Dual-Lite NEMA 4 X Series
High corrosion area indoors Hubbell/Dual-Lite LM Series
- D. Batteries to be - Maintenance-free Lead Calcium.
- 2.03 Combination Exit/Emergency Light/Sign
Hubbell/Dual-Lite CVT Series
Hubbell/Dual-Lite LT Series
- 2.04 Fluorescent Emergency Ballast: Bodine – B50
(For existing fluorescent light fixtures) Care shall be taken to make sure that these units are wired according to the manufactures recommendations. The emergency ballast should be fed from the same branch circuit as the AC ballast.
Or Owner approved equal.

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2.05 Emergency Lighting Transfer Switching Controller:

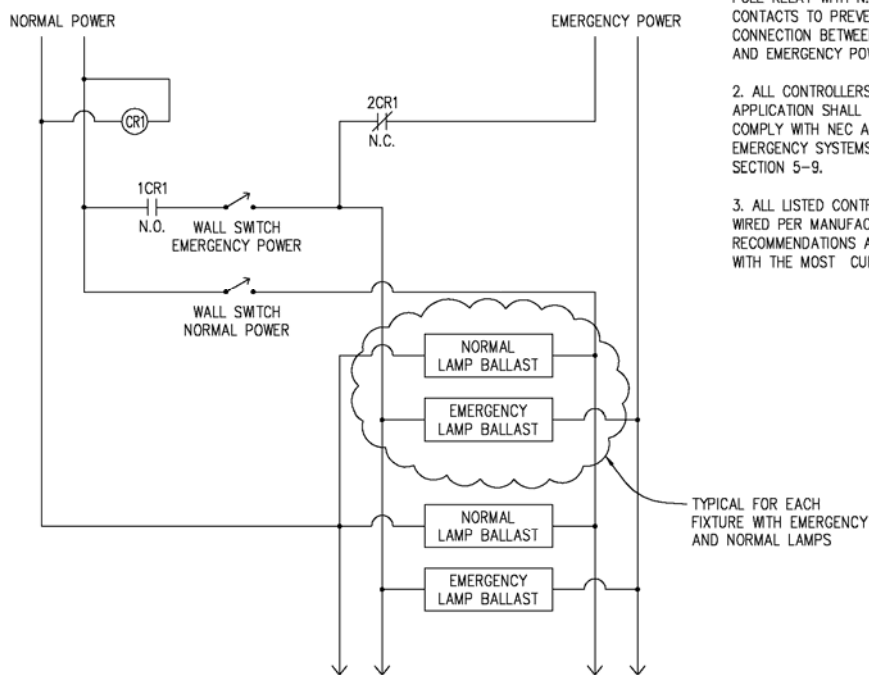
(As of this 03-03 revision these units are UL Listed and approved for use by the State Electrical Inspector on the UNH Durham Campus. (See Exhibit #1 Page 3)

en entertainment networks
 RHG-120
 RHG-277

NINE 24,Inc.
 BLTC-R-120
 BLTC-R-277
 BLTC-I-120
 BLTC-I-277

Exhibit #1

EMERGENCY LIGHTING SWITCHING
 CONTROLLER WIRING DIAGRAM



GENERAL NOTES

1. THIS WIRING DIAGRAM IS GENERIC AND SHOULD BE USED FOR GENERAL INFORMATION ONLY. CR1 IS A DOUBLE POLE RELAY WITH N.O. AND N.C. CONTACTS TO PREVENT A CROSS CONNECTION BETWEEN NORMAL POWER AND EMERGENCY POWER.
2. ALL CONTROLLERS USED IN THIS APPLICATION SHALL BE UL LISTED AND COMPLY WITH NEC ARTICLE 700 EMERGENCY SYSTEMS AND NFPA 101 SECTION 5-9.
3. ALL LISTED CONTROLLERS SHALL BE WIRED PER MANUFACTURERS RECOMMENDATIONS AND IN COMPLIANCE WITH THE MOST CURRENT NEC.

END OF SECTION

EMERGENCY POWER SUPPLIED SYSTEMS