SECTION 25 56 00

MONITORING AND CONTROL OF ELECTRICAL EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

A. Monitoring and Control of systems include the following:
   1. Lighting Systems

B. Related Sections:
   1. 26 09 43 Network Lighting Controls

1.2 REFERENCES

A. Refer to section 25 00 00

1.3 SYSTEM DESCRIPTION

A. Include all components not specifically indicated or specified, but necessary to make the system function within the intent of the specification

1.4 SUBMITTALS

A. Submit products not specified but required for integration of systems.

B. Refer to section 25 00 00 for additional requirements.

1.5 QUALITY ASSURANCE

A. Install equipment according to manufacturer’s recommendations.

B. Refer to section 25 00 00 for additional requirements.

1.6 WARRANTY

A. Refer to section 25 00 00.

PART 2 - PRODUCTS

2.1 NONE

PART 3 - EXECUTION

3.1 Lighting Controls System

A. Integrate via BACnet IP communications protocol with lighting control system.

B. Integration connection to be through the secondary Network Integration Card port on the Building Level Controller of the Integrated Automation System.

C. At a minimum, map the following points into Integrated Automation System:
1. For each room:
   a. Occupancy sensor
   b. General lighting switch
   c. Dimmer (where applicable)

D. Provide user the capability to switch lights on/off and/or dim at room level.

E. Provide each lighting zone with an associated schedule, runtime trend log, audit log, and associated command override.

F. Any command failure shall be alarmed via the alarm console.

G. Graphics:
   1. Room Level Graphics showing representation of typical room type w/ point statuses.
   2. Each zone shall have an associated floor plan graphic with links to associated schedule and override commands
   3. Floor level summary graphics - thermal graphics showing occupancy, lumen and dimming levels.
   4. Building level summary graphics of all zone statuses and zone power consumption.
   5. Campus level lighting graphic showing buildings and building power consumption.

END OF SECTION