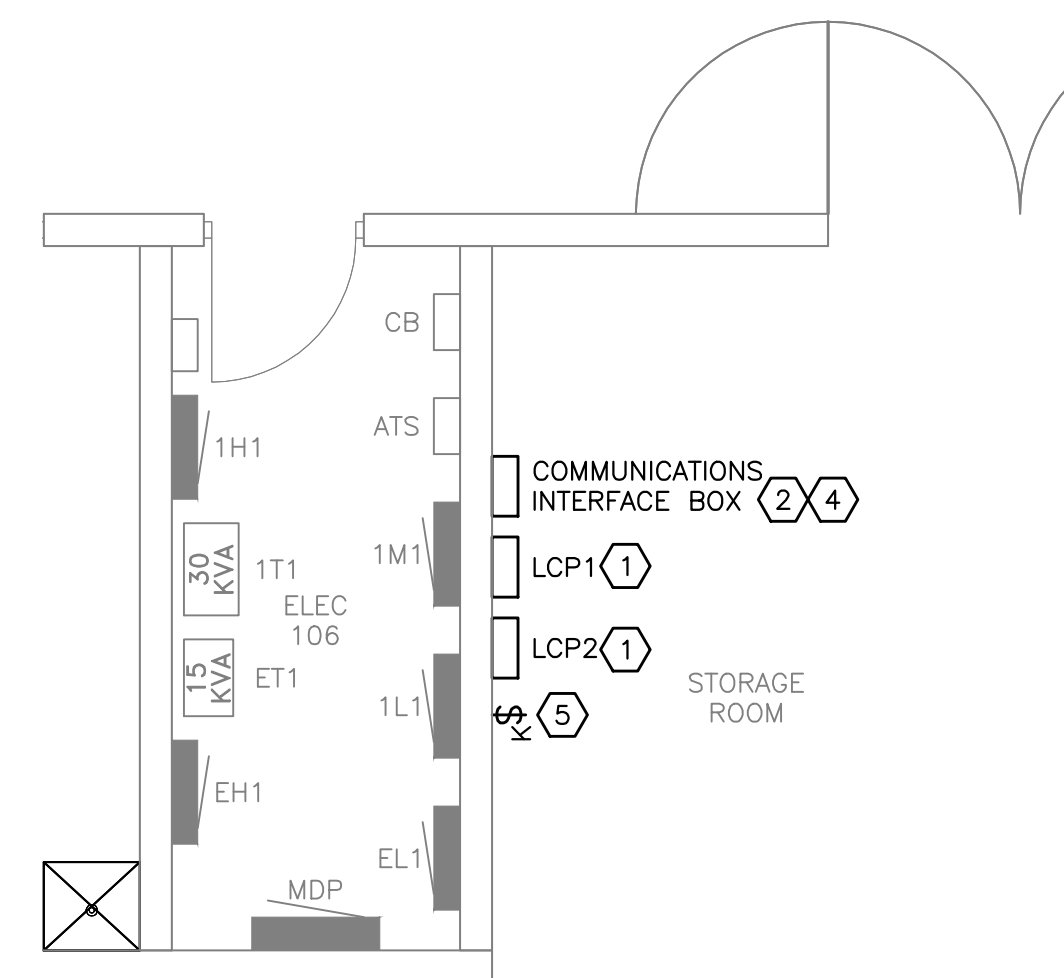




## ELECTRICAL LIGHTING CONTROL PLAN - GARAGE FIRST FLOOR

0 15' 30' 60' 90' SCALE: 1" = 30'-0"



## GENERAL NOTES

1. EXISTING LIGHTING CIRCUITS ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY ALL LIGHTING CIRCUITS AND ASSOCIATE LIGHTING CIRCUIT NUMBER WHERE POSSIBLE WITH SAME CONTROL RELAY NUMBER TO BE ROUTED THROUGH CONTROL PANELS LCP1 AND LCP2. UNUSED CONTROL RELAYS SHALL BE LABELED AS SPARE FOR FUTURE USE.
2. PROVIDE A RELAY BASED LIGHTING CONTROL SYSTEM TO AUTOMATICALLY TURN LIGHTS OFF AND ON BASED ON GARAGE OCCUPANCY. THE SYSTEM SHALL INCLUDE RELAY PANEL(S) AND OCCUPANCY SENSORS. SEE SYSTEM CONTROL DIAGRAM ON E6.2 SYSTEM SHALL BE AS MANUFACTURED BY COOPER CONTROLS, GREENGATE CONTROL/KEEPER OR APPROVED EQUAL.

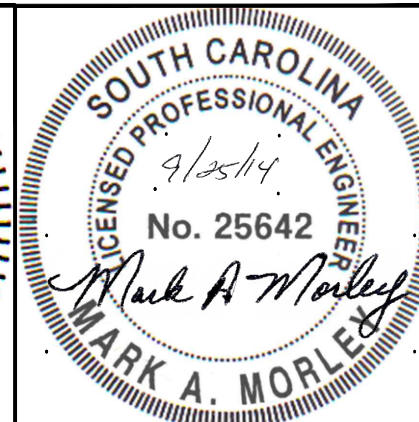
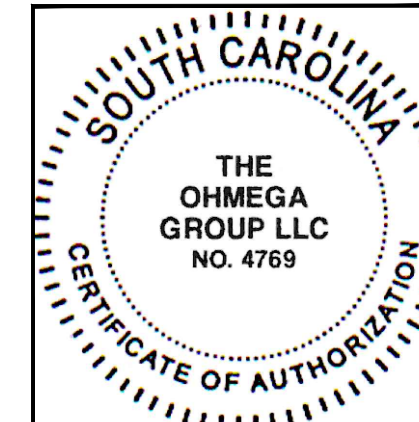
## KEYED NOTES

- ① PROVIDE DEDICATED 277 VOLT CIRCUITS FROM PANEL "1H1" TO FEED LIGHTING CONTROL PANEL "LC1P" AND FROM PANEL "EH1" TO FEED LIGHTING CONTROL PANEL "LC2P".
- ② PROVIDE A MINIMUM 20"H x 16"W x 10"D NON-METALLIC, LOCKABLE, HINGED ENCLOSURE TO HOUSE A NEMA 5-20R QUAD OUTLET TO POWER GATEWAY AND ETHERNET INTERFACE MODULE. GATEWAY SHALL BE SIMILAR TO COOPER CONTROL, GREENGATE MODEL "GATEWAY" AND ETHERNET INTERFACE MODULE SHALL BE SIMILAR TO COOPER CONTROLS, GREENGATE MODEL "EIM". PROVIDE A 1 POLE, 20 AMP CIRCUIT FROM AVAILABLE SPACE IN PANEL "1L1" INSIDE ELEC ROOM 106. 120 VOLT POWER SHALL BE RUN IN CONDUIT INSIDE NON-METALLIC ENCLOSURE TO DEVICE OUTLET BOX.
- ③ PROVIDE A 1" CONDUIT FROM CONTROL PANEL LCP1 WITH A COMPOSIT CONTROL CABLE SIMILAR TO COOPER CONTROLS/GREENGATE CATALOG NUMBER "LCCNP" NON PLENUM RATED CABLE OR APPROVED EQUIV. CABLE CONSIST OF 2/C#18 FOR POWER, #22UTP FOR DATA, AND 1#24 GROUND.
- ④ PROVIDE A 1" CONDUIT WITH PULL WIRE TO NEAREST COMMUNICATION CLOSET FOR CONTROL PANEL INTERFACE.
- ⑤ PROVIDE A MASTER OVERRIDE SWITCH, SIMILAR TO GREENGATE KEYPED SWITCH MODEL - "MAIN-KEY".
- ⑥ PROVIDE INFRARED TECHNOLOGY OCCUPANCY AS MANUFACTURED BY COOPER CONTROLS GREENGATE MODEL # OXC-P-2MH0-R.



**ENLARGED PARTIAL PLAN - GROUND FLOOR ROOM #106**

SCALE: 1/4" = 1'-0"

[illegible]

JOB NUMBER: 00393-0714  
DESIGNED BY: R. DEYO  
CHECKED BY: M. MORLEY  
DRAWN BY: R. DEYO  
CAD DATE: 09/25/2014

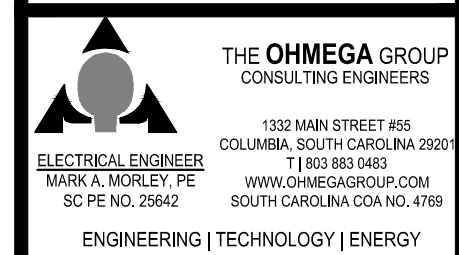
DRAWING NAME:

**ELECTRICAL LIGHTING  
CONTROLS PLAN -  
GARAGE 1ST FLOOR**

PROJECT NUMBER: 14C003 00

PROJECT DATE: 9/25/14

DRAWING NUMBER: **E2.0**



**COLUMBIA METROPOLITAN AIRPORT  
RENTAL CAR READY/RETURN  
RELOCATION**





LIGHTING CONTROL PANEL LCP2							
RELAY #	POWER PANEL CIRCUIT NO.	AREA CONTROLLED	CONTROLLED BY	RELAY #	POWER PANEL CIRCUIT NO.	AREA CONTROLLED	CONTROLLED BY
15	---	SPARE	---	16	---	SPARE	---
13	EH1-13	PARKING GARAGE GROUND LEVEL	OS	14	---	SPARE	---
11	EH1-11	PARKING GARAGE GROUND LEVEL	OS	12	---	SPARE	---
9	---	SPARE	---	10	---	SPARE	---
7	EH1-7	PARKING GARAGE GROUND LEVEL	OS	8	---	SPARE	---
5	EH1-5	PARKING GARAGE GROUND LEVEL	OS	6	---	SPARE	---
3	---	SPARE	---	4	---	SPARE	---
1	EH1-1	PARKING GARAGE GROUND LEVEL	OS	2	---	SPARE	---



1. BASIS OF DESIGN FOR THE LIGHTING CONTROL RELAY PANEL IS COOPER CONTROLS, GREENGATE CONTROLKEEPER TOUCHSCREEN SYSTEM, OR EQUAL SYSTEMS SHALL MEET OR EXCEED THE FOLLOWING REQUIREMENTS,

- A. UL LISTED - 916 STANDARD.
- B. 32 LOW VOLTAGE INPUT CONNECTIONS.
- C. DIGITAL SWITCH INTERFACE.
- D. TIME SCHEDULED WITH ASTRONOMIC CLOCK.
- E. PRIORITIZATION AND MASKING OF SWITCH INPUTS, TIME SCHEDULES AND REMOTES.
- F. TIMED INPUTS.
- G. OCCUPANT WARN-OFF AND OVERRIDES
- H. TOUCHSCREEN.
- J. RS-232 PORT STANDARD.
- K. RS-485 NETWORK STANDING
- L. 4 ANALOG INPUTS.
- M. UL LISTED - UL 924 WITH RIM



**COLUMBIA METROPOLITAN AIRPORT  
RENTAL CAR READY/RETURN  
RELOCATION**

[illegible]

DRAWING NAME:

## ELECTRICAL LIGHTING CONTROL DIAGRAM

PROJECT NUMBER: 140003 00

PROJECT DATE: 0/25/14

DRAWING NUMBER:

## E6.2

