

LIGHTING CONTROL PANEL 'LCP-A'					
LOCATION: ELEC ROOM 119b					
RELAY	CIRCUIT	ZONE	RELAY	CIRCUIT	ZONE
1	B-30	2.0	2	A-2	1.0
3	B-32	2.0	4	A-4	1.0
5	B-34	2.2	6	A-6	1.0
7	B-36	2.2	8	A-8	1.0
9	SPARE		10	SPARE	
11	SPARE		12	SPARE	
13	SPARE		14	A-14	1.0
15	SPARE		16	SPARE	
17	SPARE		18	A-18	1.1
19	SPARE		20	A-20	1.1
21	SPARE		22	A-22	1.2
23	SPARE		24	A-24	1.2
25	SPARE		26	SPARE	
27	SPARE		28	A-28	2.1
29	SPARE		30	A-30	2.0
31	SPARE		32	SPARE	

ZONE	DESCRIPTION
1.0	INTERIOR LIGHTING
1.1	ROOM 110 NORTH AREA
1.2	ROOM 110 SOUTH AREA
2.0	EXTERIOR SOFFIT AND BUILDING MOUNTED LIGHT FIXTURES
2.1	EXTERIOR SIGN LIGHTING
2.2	PARKING LIGHTING

LIGHTING CONTROL SYSTEM: SWITCH SCHEDULE						
SWITCH #	PART #	RELAY CONTROL	ZONE CONTROL	ENGRAVING	LOCATION	NOTES
LV1	COOPER GMT-V	-	1.2	'110 SOUTH'	110	1.5
LV2-1	COOPER GDS	-	1.1	'110 NORTH'	110	1.6
LV2-2	-	-	1.2	'110 SOUTH'	110	1.6
LV3	COOPER GMT-V	-	1.1	'110 NORTH'	110	1.5
LV4	MOM-Key	LCP-A-14	-	'EAST CORRIDORS'	101	1.3,4,5
LV5	MOM-Key	LCP-A-2,6	-	'WEST CORRIDORS'	134	1.3,4,5
LV6	MOM-Key	LCP-A-2,6	-	'WEST CORRIDORS'	129	1.3,4,5
LV7	MOM-Key	LCP-A-2,6,8,14	-	'EAST & WEST CORRIDORS'	114	1.3,4,5
LV8-1	COOPER GDS	-	1.0-1.2	'INTERIOR ON'	103	2.6
LV8-2	-	-	2.0	'EXT. BLDG MTD. ON'	103	1.6
LV8-3	-	-	2.1	'EXTERIOR SIGNS ON'	103	1.6
LV8-4	-	-	2.2	'EXTERIOR PARKING ON'	103	1.6

- NOTES:
- OUTSIDE 'NORMAL' BUILDING HOURS, 'ON' SIGNAL FROM SWITCH SHALL OVER-RIDE RESPECTIVE RELAY(S)/ ZONE(S) FOR (2) HOURS.
 - OUTSIDE 'NORMAL' BUILDING HOURS, 'ON' SIGNAL FROM SWITCH SHALL OVER-RIDE ALL RESPECTIVE RELAY(S)/ ZONE(S) FOR (2) HOURS.
 - PROVIDE WITH KEY116 STAINLESS STEEL WALL PLATE.
 - SWITCH SHALL ENABLE ALL LIGHTING CONTROL RELAYS.
 - ETCH WALL PLATE WITH ENGRAVING TEXT ETCHED ABOVE SWITCH.
 - DIGITAL SWITCH SHALL BE ORDERED WITH FACTORY PRINTED LABELS AS INDICATED.

LIGHTING CONTROL SYSTEM: NETWORKED OCCUPANCY SENSOR SCHEDULE							
ROOM(S) #	SENSOR (QTY)	SENSOR MODEL	RELAY CONTROL	ZONE CONTROL	CONTROL METHOD	INACTIVE TIME	NOTES
110	OC1 (5)	OAC-DT-R	-	1.1	ON ONLY	12-5 AM	1
110	OC2 (5)	OAC-DT-R	-	1.2	ON ONLY	12-5 AM	1

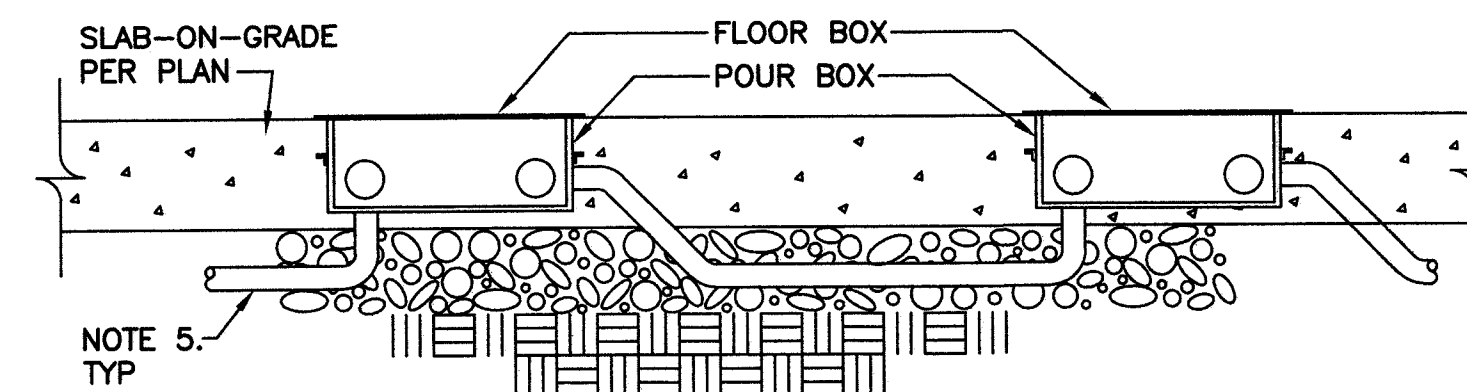
- NOTES:
- SENSORS SHALL BE WIRED IN PARALLEL AND CONNECTED DIRECTLY TO LIGHTING CONTROL PANEL. DO NOT PROVIDE LOCAL POWER PACKS.

LIGHTING CONTROL SYSTEM: EXTERIOR PHOTOCELL SCHEDULE					
ROOM(S) #	LOCATION	ZONE CONTROL	CONTROL METHOD	INACTIVE TIME	NOTE
EXTERIOR	N. EXT. WALL OF ROOM 109	2.0-2.2	ON / OFF	-	1

- NOTES:
- ALL LIGHTING ZONES SHALL BE TURNED OFF ABOVE 7 FC AND TURNED ON BELOW 5 FC.

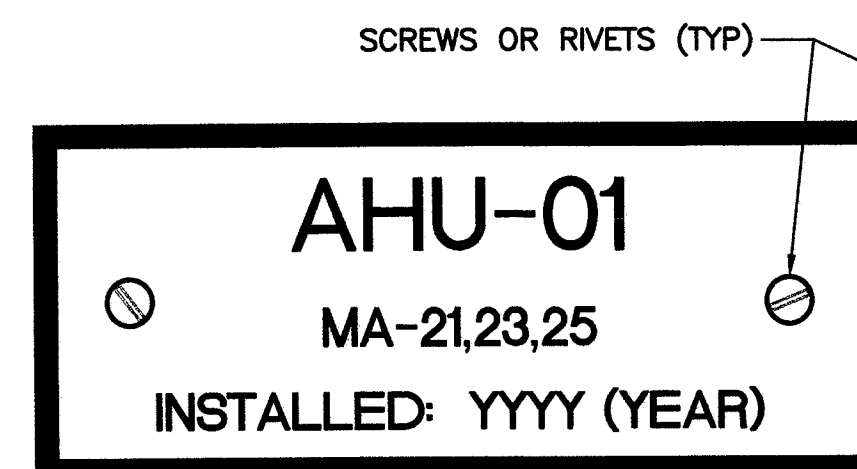
DETAIL NOTES:

- PROVIDE 3/4" EMT CONDUIT BETWEEN ALL LIGHTING CONTROL DEVICES AS INDICATED. CONTROL WIRING SHALL BE CABLED ENTIRELY WITH BELDEN 8471 OR WINDY CITY WIRE 104500. NOT BOTH. NETWORK WIRING TO NETWORK WIRING CONNECTIONS SHALL BE MADE WITH WAGO 222 SERIES COMPACT LEVER-OPERATED CONNECTORS PER WAGO SPECIFICATIONS.
- PROVIDE GREENGATE OUTDOOR PHOTOCELL 'PPS-5'.
- RELAY PANEL HAS (32) DRY CONTACT INPUTS WHICH ARE USED FOR LOW VOLTAGE SWITCHES, PHOTO-CELL, OCCUPANCY SENSORS AND BUILDING EMS INPUTS. INITIAL 'NORMAL' BUILDING HOURS SHALL BE 5AM TO 12AM, SEVEN DAYS A WEEK. ALL RELAYS SHALL BE ENABLED DURING 'NORMAL' HOURS AND DISABLED OUTSIDE 'NORMAL' HOURS. CONTROL PANEL SHALL BE PROGRAMMED FOR 2-HOUR OVER-RIDE WITH 'ON' SIGNAL FROM ANY LOW VOLTAGE SWITCH INPUT. SEE SWITCH SCHEDULE FOR ADDITIONAL INFORMATION.
- OCCUPANCY SENSORS WITH THE SAME 'OCX' DESIGNATION SHALL BE WIRED IN PARALLEL.
- LOW VOLTAGE SWITCHES SHALL BE WIRED IN PARALLEL AS INDICATED.
- PROVIDE COOPER GDS-I-KIT DIGITAL GATEWAY TO INTERFACE DIGITAL SWITCHES WITH CONTROL PANEL. MOUNTED GATEWAY ON WALL ADJACENT LIGHTING CONTROL PANEL.



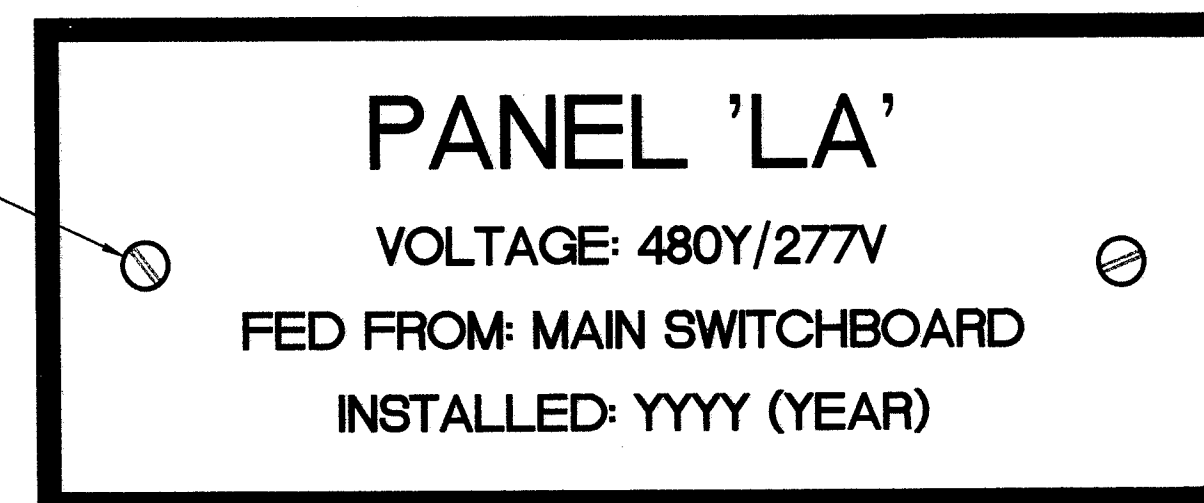
E6 SLAB ON GRADE FLOOR BOX DETAIL

SCALE NONE



MECHANICAL DISCONNECT TAG

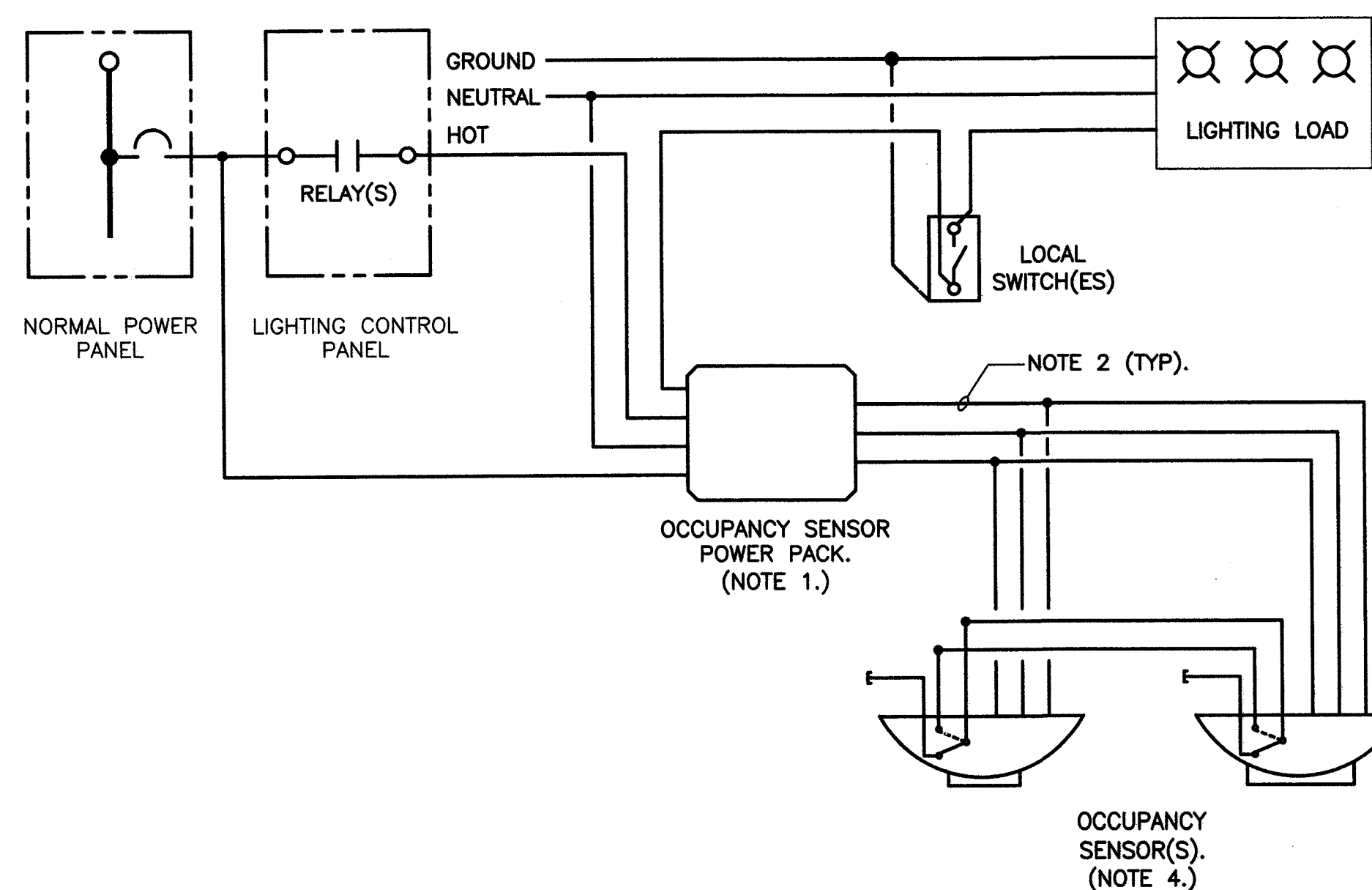
* SEE SPECIFICATION SECTION 260553 FOR ADDITIONAL INFORMATION.



PANELBOARD TAG

C7 260553 IDENTIFICATION - PHENOLIC TAG DETAIL

SCALE NONE



DETAIL NOTES:

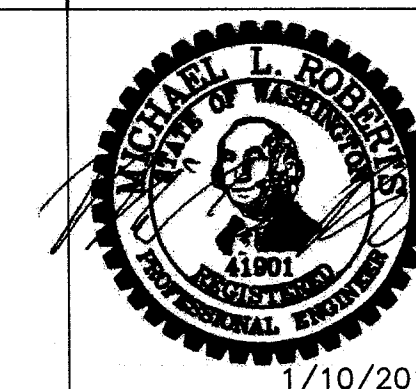
- OCCUPANCY SENSOR POWER PACKS SHALL BE LOCATED ABOVE ACCESSIBLE CEILING SPACES. WHERE LOCAL SWITCHES ARE WITHIN OPEN TO STRUCTURE ROOMS, POWER PACKS SHALL BE LOCATED WITHIN CORRIDOR CEILING SPACE UNLESS OTHERWISE INDICATED. ALL POWER PACK LOCATIONS SHALL BE DIMENSIONED ON THE RECORD DRAWINGS.
- PROVIDE 1/2" CONDUIT FOR ALL OCCUPANCY SENSOR LOW VOLTAGE WIRING. WHERE POWER PACKS ARE LOCATED WITHIN ACCESSIBLE CEILING SPACES, LOW VOLTAGE WIRING MAY BE OPEN CABLING WITHIN 12" OF POWER PACK. PROVIDE TEFLON RINGS AT ENDS OF CONDUITS NOT CONNECTED TO J-BOXES. ALL CONDUCTORS TO AND FROM OCCUPANCY SENSORS SHALL BE 18 AWG.
- COORDINATE WITH SPECIFIC MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WIRING DIAGRAMS. PROVIDE AS INDICATED.
- SENSORS WHICH CONTROL THE SAME SET OF RELAYS SHALL HAVE NORMALLY OPEN CONTACTS CONNECTED TOGETHER AS INDICATED. NO MORE THAN (4) OCCUPANCY SENSORS SHALL BE CONNECTED TO A SINGLE POWER PACK.
- PROVIDE 3/4" EMT CONDUIT BETWEEN ALL LIGHTING CONTROL DEVICES AS INDICATED. CONTROL WIRING SHALL BE CABLED ENTIRELY WITH BELDEN 8471 OR WINDY CITY WIRE 104500, NOT BOTH. NETWORK WIRING TO NETWORK WIRING CONNECTIONS SHALL BE MADE WITH WAGO 222 SERIES COMPACT LEVER-OPERATED CONNECTORS PER WAGO SPECIFICATIONS.

A1 LIGHTING CONTROL DIAGRAM AND SCHEDULES

SCALE NONE

A5 TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM

SCALE NONE



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E8.02