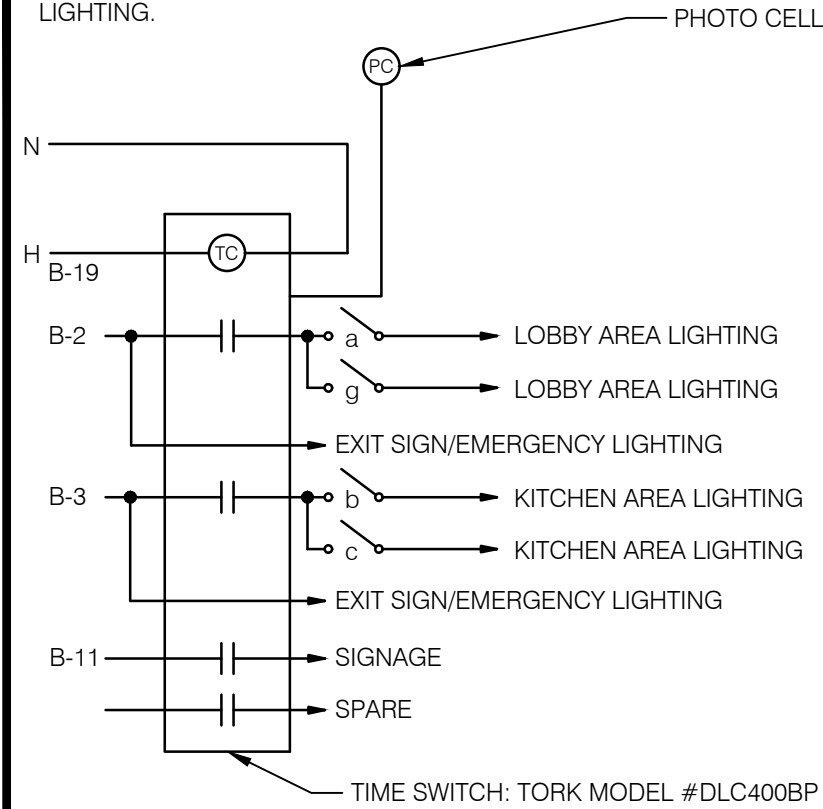


DESCRIPTION OF OPERATION:  
EXTERIOR SIGNAGE TO BE TURNED ON BY PHOTO CELL. SIGNAGE WILL BE SWITCHED OFF BY TIME SWITCH AT CLOSE.

COORDINATE WITH PIZZA HUT CONSTRUCTION MANAGER ON TIME SETTINGS FOR INTERIOR LIGHTING.



### LIGHTING CONTROLS SYSTEM TESTING REQUIREMENTS

PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURERS INSTRUCTIONS.

OCCUPANT SENSOR CONTROLS:  
THE FOLLOWING PROCEDURES SHALL BE PERFORMED:  
1. CERTIFY THAT THE OCCUPANT SENSOR HAS BEEN LOCATED AND AIMED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.  
2. EACH SENSOR SHALL BE TESTED.  
3. FOR PROJECTS WITH MORE THAN SEVEN OCCUPANT SENSORS, TESTING SHALL BE DONE FOR EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY. WHERE MULTIPLES OF EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY ARE PROVIDED, NOT LESS THAN 10 PERCENT, BUT IN NO CASE LESS THAN ONE, OF EACH COMBINATION SHALL BE TESTED UNLESS THE CODE OFFICIAL REQUIRES A HIGHER PERCENTAGE TO BE TESTED. WHERE 30 PERCENT OR MORE OF THE TESTED CONTROLS FAIL, ALL REMAINING IDENTICAL COMBINATIONS SHALL BE TESTED.

FOR OCCUPANT SENSOR CONTROLS TO BE TESTED, VERIFY THE FOLLOWING:  
3.1. WHERE OCCUPANT SENSOR CONTROLS INCLUDE STATUS INDICATORS, VERIFY CORRECT OPERATION.  
3.2. THE CONTROLLED LIGHTS TURN OFF OR DOWN TO THE PERMITTED LEVEL WITHIN THE REQUIRED TIME.  
3.3. FOR AUTO-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON TO THE PERMITTED LEVEL WHEN AN OCCUPANT ENTERS THE SPACE.  
3.4. FOR MANUAL-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON ONLY WHEN MANUALLY ACTIVATED.  
3.5. THE LIGHTS ARE NOT INCORRECTLY TURNED ON BY MOVEMENT IN ADJACENT AREAS OR BY HVAC OPERATION.

TIME-SWITCH CONTROLS:  
WHERE TIME-SWITCH CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:  
1. CONFIRM THAT THE TIME-SWITCH CONTROL IS PROGRAMMED WITH ACCURATE WEEKDAY, WEEKEND AND HOLIDAY SCHEDULES.  
2. PROVIDE DOCUMENTATION TO THE OWNER OF TIME-SWITCH CONTROLS PROGRAMMING INCLUDING WEEKDAY, WEEKEND, HOLIDAY SCHEDULES, AND SET-UP AND PREFERENCE PROGRAM SETTINGS.  
3. VERIFY THE CORRECT TIME AND DATE IN THE TIME SWITCH.  
4. VERIFY THAT ANY BATTERY BACK-UP IS INSTALLED AND ENERGIZED.  
5. VERIFY THAT THE OVERRIDE TIME LIMIT IS SET TO NOT MORE THAN 2 HOURS.  
6. SIMULATE OCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:  
6.1. ALL LIGHTS CAN BE TURNED ON AND OFF BY THEIR RESPECTIVE AREA CONTROL SWITCH.  
6.2. THE SWITCH ONLY OPERATES LIGHTING IN THE ENCLOSED SPACE IN WHICH THE SWITCH IS LOCATED.  
7. SIMULATE UNOCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:  
7.1. NONEXEMPT LIGHTING TURNS OFF.  
7.2. MANUAL OVERRIDE SWITCH ALLOWS ONLY THE LIGHTS IN THE ENCLOSED SPACE WHERE THE OVERRIDE SWITCH IS LOCATED TO TURN ON OR REMAIN ON UNTIL THE NEXT SCHEDULED SHUTOFF OCCURS.

DAYLIGHT RESPONSIVE CONTROLS:  
WHERE DAYLIGHT RESPONSIVE CONTROLS ARE PROVIDED, THE FOLLOWING SHALL BE VERIFIED:  
1. CONTROL DEVICES HAVE BEEN PROPERLY LOCATED, FIELD CALIBRATED AND SET FOR ACCURATE SETPOINTS AND THRESHOLD LIGHT LEVELS.  
2. DAYLIGHT CONTROLLED LIGHTING LOADS ADJUST TO LIGHT LEVEL SET POINTS IN RESPONSE TO AVAILABLE DAYLIGHT.  
3. THE LOCATIONS OF CALIBRATION/ADJUSTMENT EQUIPMENT ARE READILY ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL.

DOCUMENTATION REQUIREMENTS:  
DOCUMENTS CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET DOCUMENTED PERFORMANCE CRITERIA ARE TO BE PROVIDED TO THE BUILDING OWNER WITHIN 90 DAYS FROM THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

NO.	QUANTITY		LOCATION	MANUFACTURER / CATALOG NUMBER	DESCRIPTION	LAMP		MOUNTING	VOLT	WATT	REMARKS
	NEW	EXISTING				#	TYPE				
A	22		KITCHEN/ RESTROOM	PHILIPS / DAY-BRITE #2TG48L835-4-PS-02F-UNV	2' x 4' LED TROFFER	-	INCLUDED	LAY-IN GRID	UNV	45	2X4 LED TROFFER WITH 3500K COLOR TEMPERATURE
C	12		ENTRY	ACCUSERV / ITEM: REL837-850L-DIMTR-120-35K-90-W-WH	DOWNLIGHT	-	LED	CEILING	120	12	TRIM: WHITE
E	3		WALK-IN	SUPPLIED BY WALK-IN COOLER/FREEZER	-	-	-	SURFACE	-	-	
EM1	9		KITCHEN	EXITRONIX / NFT-W-G2	EMERGENCY LIGHT	-	INCLUDED	WALL	120	-	EMERGENCY FIXTURE WITH 90 MINUTE EMERGENCY BATTERY BACKUP. FINISH: WHITE
EM2	2		EXTERIOR	ACCUSERV / ITEM: CAMN/LX6-DB	EXTERIOR EMERGENCY LIGHT	-	6W XENON	WALL	120	-	EMERGENCY FIXTURE WET LOCATION RATED
K	4		KITCHEN	BEST LIGHTING PRODUCTS EZXTEU-2-R-W-EM	LED EXIT SIGN	-	LED	CEILING	120	3	WHITE EXIT FIXTURE WITH EMERGENCY BATTERY. SEE LIGHTS FIXTURE SCHEDULE NOTE #2.

ALL LIGHT FIXTURES ON LIGHT FIXTURE SCHEDULE FURNISHED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR.

LIGHTING FIXTURE CONTACTS:

ACCUSERV EQUIPMENT & SUPPLY  
3865 PRODUCE RD., SUITE #208, LOUISVILLE, KY 40218,  
PHONE: 877-707-7378, FAX: 502-961-0357.

- OWNER WILL PROVIDE LIGHT FIXTURES WITH ELECTRONIC BALLASTS. COMPACT FLUORESCENT ELECTRONIC BALLASTS SHALL HAVE END-OF-LIFE PROTECTION CIRCUIT TO PREVENT WELDING OF LAMPS IN SOCKETS OR LAMP BREAKAGE. SEE SPECIFICATIONS.
- OWNER WILL PROVIDE ARROWS AND FACES AS INDICATED ON THE DRAWINGS. FIXTURES ARE PROVIDED WITH REMOVABLE CHEVRONS FOR DIRECTIONS INDICATED ON PLAN.
- OWNER WILL PROVIDE TRACK, END FEEDS, AND COUPLING DEVICES IN QUANTITIES AS REQUIRED TO FORM THE TRACK LENGTHS SHOWN. REFER TO THE PLANS FOR TRACK LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATIONS FOR EXACT LOCATIONS OF LIGHTING FIXTURES.
- ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIXTURE LOCATIONS WITH ARCHITECTURAL PLANS.
- ELECTRICAL CONTRACTOR SHALL INSTALL ALL CEILING MOUNTED LIGHTING FIXTURES IN LOCATIONS AS INDICATED ON THE ARCHITECTURAL REFLECTED CEILING PLAN.
- CONFIRM LIGHTING FIXTURE QUANTITIES WITH SUPPLIER.
- CONTRACTOR TO FIELD VERIFY CEILING TYPE AND PROVIDE PROPER MOUNTING HARDWARE.
- SPEAKERS INSTALLED BY OTHERS.
- VERIFY LOCATION OF NEW SWITCH BANK WITH NPC FACILITIES/PROJECT MANAGER.

### INTERIOR LIGHTING & EXTERIOR SIGNAGE CONTROL DIAGRAM

6

### LIGHTING FIXTURE SCHEDULE

5

### LIGHT FIXTURE SCHEDULE NOTES

4

- COOLER/FREEZER LIGHTS FURNISHED BY MANUFACTURER. CIRCUIT AS SHOWN.
- PROVIDE TIME CLOCK, EXTERIOR PHOTOCELL SENSOR AND LIGHTING CONTACTOR AS SHOWN IN DETAIL 6 ON THIS SHEET. MOUNT TIME CLOCK AND LIGHTING CONTACTOR ADJACENT TO PANELBOARD 'B' AND MOUNT EXTERIOR PHOTOCELL SENSOR ON ROOF PER MANUFACTURER LITERATURE.
- VERIFY EXACT LOCATION OF SWITCH BANK WITH NPC FACILITIES/PROJECT MANAGER.
- SIGNAGE DISCONNECT SWITCH; NEMA 3R, LOCKABLE. EXACT LOCATION TO BE DETERMINED IN FIELD.
- CONNECT HOOD LIGHTING WITHIN OVEN AND FRYER HOODS TO HOOD CONTROL PANEL CONTROL CIRCUIT. COORDINATE ALL WIRING AND REQUIRED CONNECTION WITH HOOD MANUFACTURER.
- MOUNT EXTERIOR EMERGENCY EXIT LIGHTING FIXTURE @ 96" A.F.F. ON FACE OF EXTERIOR WALL. CIRCUIT AS INDICATED. COORDINATE EXACT LOCATION WITH BUILDING OWNER AND TENANT.
- PROVIDE WALL MOUNTED OCCUPANCY SENSOR AS SHOWN ON PLANS FOR CONTROL OF RESTROOM LIGHT AND EXHAUST FAN. WATTSTOPPER MODEL# PW-301.
- EXISTING EXTERIOR LIGHTING AND EMERGENCY LIGHTING TO REMAIN.

### KEY NOTES

3

B-2 a	B-2 g	B-3 b PL	B-3 c PL 3-WAY
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NOTE: VERIFY LOCATION OF NEW SWITCH BANK W/ NPC FACILITIES/PROJECT MANAGER.

NOTE: PROVIDE PILOT LIGHTS FOR SWITCHES NOTED WITH A 'PL' NEXT TO IT. PILOT LIGHTS ARE REQUIRED FOR ALL SWITCHES CONTROLLING LIGHTS FIXTURES THAT ARE NOT VISIBLE FROM SWITCH LOCATION.

### ELECTRICAL LIGHTING PLAN

1/4" = 1'-0"

2

### SWITCH BANK

1

REVISIONS:

DATE: 12/15/23  
JOB NO: 4521  
DRAWN: MR.GG.TW  
CHECKED: AR.CF  
ACG#: 232.0320

### ELECTRICAL LIGHTING PLAN

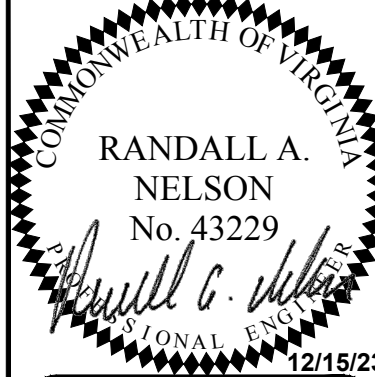
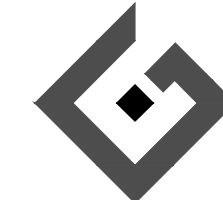


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SHEET NUMBER

E3