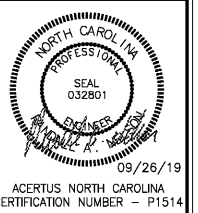


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**NEW FCAC STORE**  
 2019 JANUARY - SMALL ER  
 5845 NC HWY 42  
 GARNER, NC



ACERTUS NORTH CAROLINA  
 CERTIFICATION NUMBER - P1514

ISSUE BLOCK	
DATE	ADDENDUM #
09/27/19	

PROPERTY NO.: 160017  
 6 DIGIT NO.: 903065  
 4 DIGIT NO.: 015P  
 AOR PROJECT NUMBER: 1955501  
 TO PERMIT: DATE: 07-28-19  
 TO BID: DATE: ##-##-##

SHEET TITLE:  
**LIGHTING PLAN**

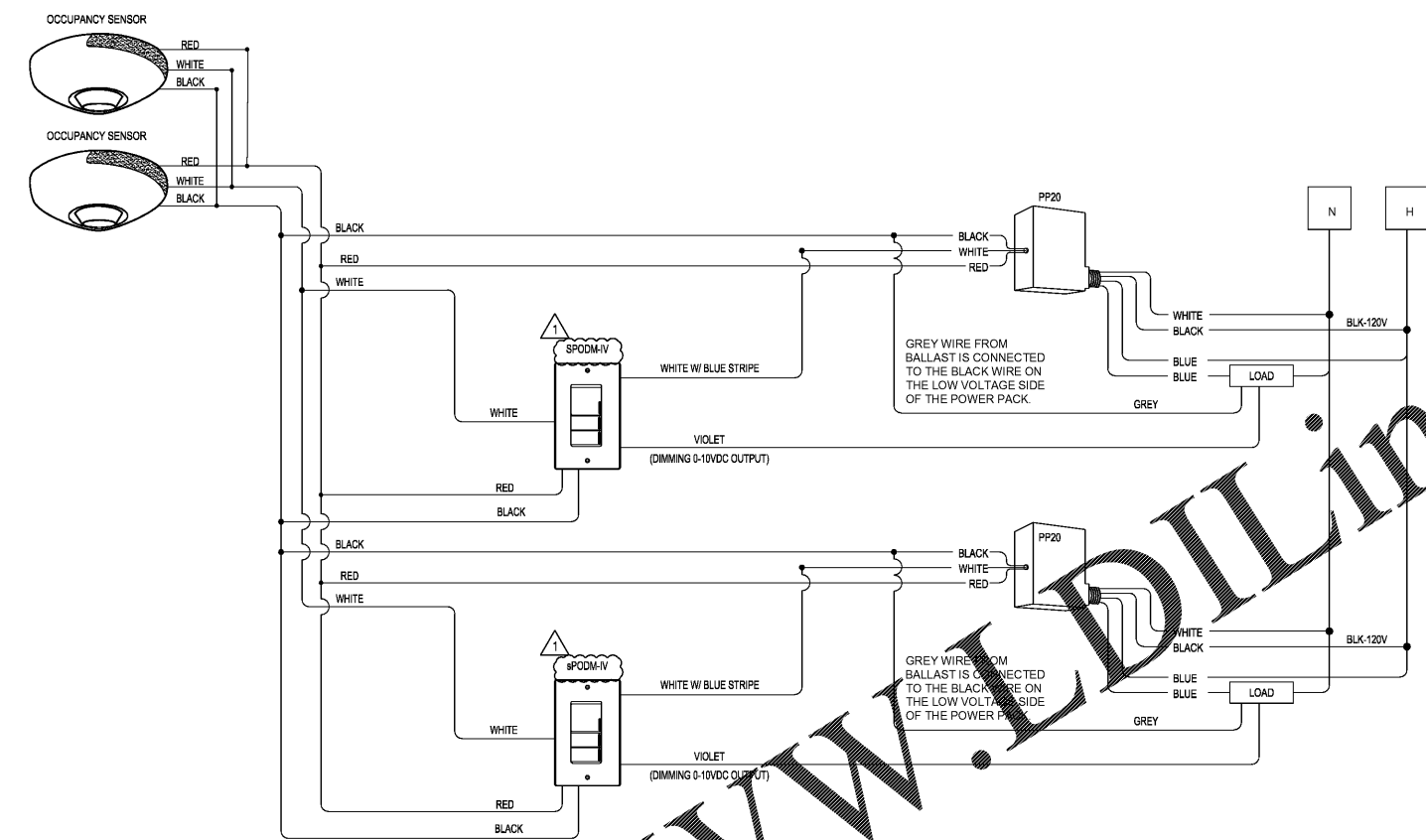
SHEET NUMBER:  
**E1**

**LIGHTING PLAN GENERAL NOTES**

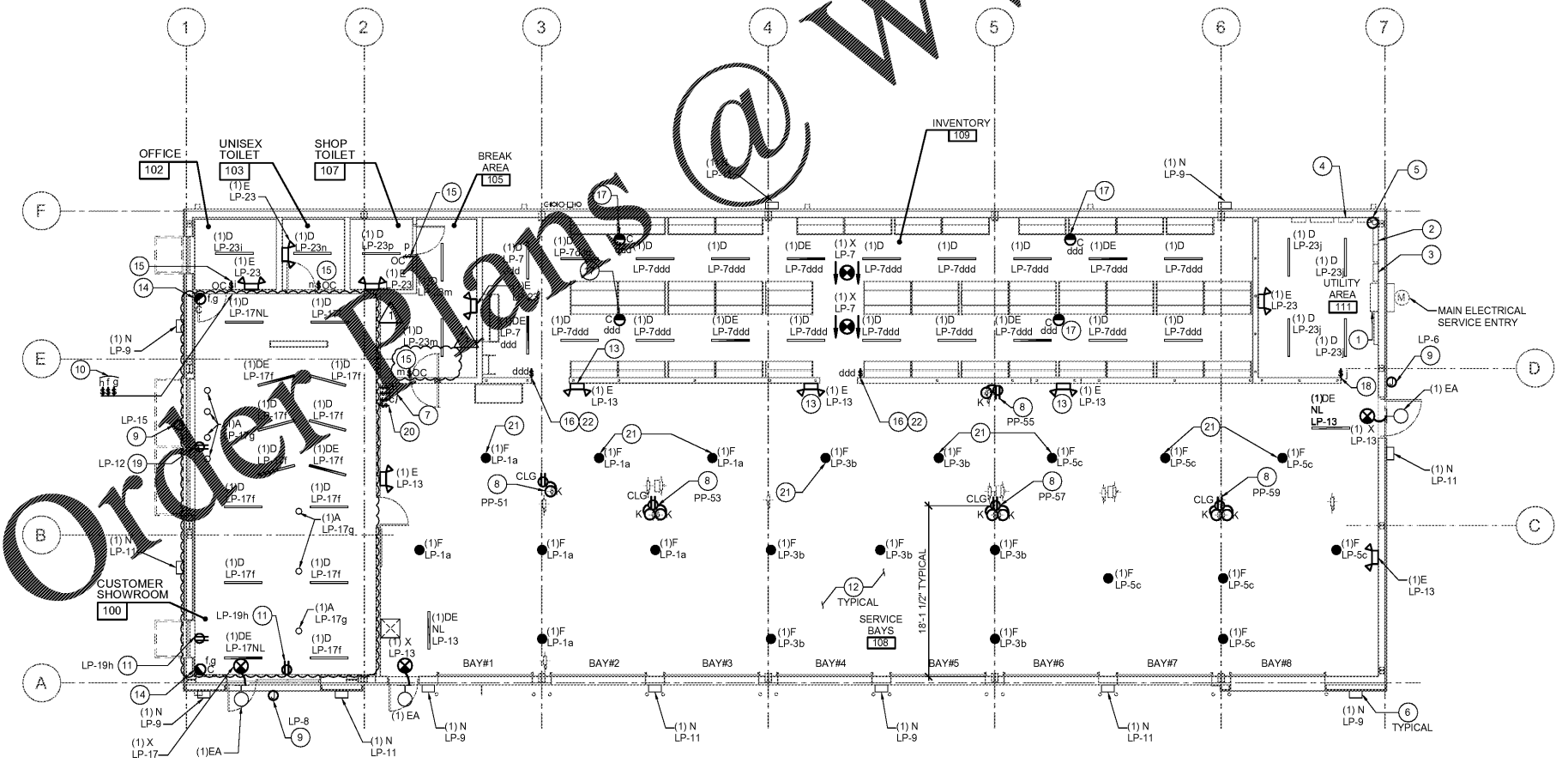
- ALL BAY AREA EMERGENCY LIGHTING UNITS SHALL BE WIRED AHEAD OF THE SWITCHES WHICH CONTROL THE LIGHTING WHERE THE UNIT IS LOCATED. THE UNIT SHALL OPERATE FROM THE NORMAL LIGHTING FAULTS.
  - SEE "ARCHITECTURAL REFLECTED CEILING PLAN" FOR ALL LIGHTING FIXTURES LOCATION AND QUANTITIES.
  - SEE "FIXTURE PLAN" SHEET "F1" FOR ALL EQUIPMENT LOCATIONS AND QUANTITIES.
- ALL WIRING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE "NEC" AND LOCAL CODE AUTHORITIES HAVING JURISDICTION. FOR ROUTING OF ALL CONDUITS, SEE NOTE 15 IN THE "GENERAL ELECTRICAL NOTES" ON SHEET "E3".

**LIGHTING PLAN KEYNOTES**

- MAIN DISTRIBUTION PANEL "MDP" SEE RISER DIAGRAM, PANEL SCHEDULES AND NOTE SHEET E5.
- POWER PANEL "PP" SEE RISER DIAGRAM, PANEL SCHEDULES AND NOTE SHEET E5.
- LIGHTING PANEL "LP" SEE RISER DIAGRAM, PANEL SCHEDULES AND NOTES SHEET E5.
- PROVIDE TIME SWITCH "TS". SEE "CONTACTOR DIAGRAM AND NOTES" ON SHEET "E5" FOR ADDITIONAL INFORMATION. VERIFY LOCATION IN FIELD.
- PROVIDE PHOTOCELL. PROVIDE A WEATHERTIGHT CONDUIT BODY ON INSIDE FACE OF BUILDING PARAPET WITH 1" RIGID CONDUIT TO 3' ABOVE ROOFLINE FOR PHOTOCELL. WHERE PARAPET DOES NOT EXIST, PROVIDE FREESTANDING RIGID CONDUIT WITH WEATHERPROOF ROOF PENETRATION. PHOTOCELL TO FACE NORTH. VERIFY LOCATION AND REQUIREMENTS IN FIELD. SEE "CONTACTOR DIAGRAM" AND "CONTACTOR NOTES" ON SHEET "E5" FOR ADDITIONAL INFORMATION.
- ROUTE DESIGNATED CIRCUITS VIA TIME SWITCH "TS" AND CONTACTORS AS NOTED IN THE "CONTACTOR DIAGRAM" AND "CONTACTOR NOTES" ON SHEET "E5".
- PROVIDE ONE (1) SURFACE MOUNTED FOUR GANG BOX WITH THREE (3) DIMMING SWITCHPODS (SENSOR SWITCH SP0DM-IV) TO CONTROL SWITCH LEGS (a,b,c) AND MATCHING COVER PLATE. VERIFY SWITCHING ARRANGEMENT IN FIELD. SURFACE MOUNT CONDUIT UP WALL IN "SERVICE BAY".
- HEAVY DUTY CORD REEL LIGHT (FIXTURE TYPE "K"), MOUNTED TO ROOF STRUCTURE AT LOCATION SHOWN. COORDINATE INSTALLATION TO AVOID CONFLICT WITH OTHER EQUIPMENT. SEE "CORD REEL LIGHT DETAIL 2" ON SHEET "E4" FOR ADDITIONAL INFORMATION AND COORDINATE WITH SHEET "F1" FOR EXACT LOCATION. SECURE THE SMALL LOW VOLTAGE TRANSFORMER WHICH PLUGS INTO THE RECEPTACLE SO THAT THE TRANSFORMER CAN NOT COME OUT OF THE PLUG VIA GRAVITY.
- PROVIDE JUNCTION BOX ON BACK SIDE OF PARAPET FOR BUILDING MOUNTED SIGNAGE. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- PROVIDE THREE (3) RECESSED SINGLE GANG BOXES. TWO (2) WITH SENSOR SWITCH SP0DM-IV SWITCHES (f,g) AND ONE (1) WITH A TOGGLE SWITCH (h) ALL WITH MATCHING COVER PLATES FOR SWITCHES LOCATED IN "CUSTOMER SHOWROOM AREA". VERIFY SWITCHING ARRANGEMENT IN FIELD. ROUTE CONDUIT UP INSIDE FACE OF WALL.
- INSTALL RECEPTACLE 6" ABOVE SHOW WINDOW (TO MEET NEC SHOW WINDOW REQUIREMENTS) FOR "OPEN" SIGN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. SEE SHEET "F2" FOR ADDITIONAL INFORMATION. SECURE THE SMALL LOW VOLTAGE TRANSFORMER WHICH PLUGS INTO THE RECEPTACLE SO THAT THE TRANSFORMER CAN NOT COME OUT OF THE PLUG VIA GRAVITY.
- FOR MOUNTING HEIGHTS OF ALL LIGHT FIXTURE TYPES SEE "LIGHT FIXTURE SCHEDULE" ON SHEET "E3", UNLESS NOTED OTHERWISE.
- FIXTURE TO BE PENDANT MOUNTED FROM CONDUIT ON CEILING. MINIMUM OF 1'-0" BELOW CEILING.
- CORNER MOUNTED OCCUPANCY SENSOR SENSOR SWITCH MODEL # WV-16 TO CONTROL LIGHTS IN ROOMS AS DESIGNATED. MOUNT OCCUPANCY SENSOR A MAXIMUM OF 10'-0" AFF. PROVIDE ALL ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.
- OCCUPANCY SENSOR WITH SWITCH. SENSOR SWITCH (WSX-POT-IV) SHALL BE MOUNTED ON WALL 48" (TO TOP) IN ALL LOCATIONS. COORDINATE FINAL LOCATION WITH BSRO. ROOM LAYOUT MUST BE TAKEN INTO ACCOUNT BEFORE INSTALLATION.
- PROVIDE SENSOR SWITCH SP0DM-IV SWITCH FOR MANUAL CONTROL OF LIGHTING FIXTURES AS INDICATED.
- OCCUPANCY SENSOR SENSOR SWITCH MODEL # WV-16 SHALL BE MOUNTED ON SHELVING COLUMN 10'-0" AFF (ABOVE THIRD TIER OF TIERS) AFTER THE SHELVING IS IN PLACE. COORDINATE FINAL LOCATION WITH BSRO. TIRE INVENTORY MUST BE TAKEN INTO ACCOUNT BEFORE INSTALLATION. PROVIDE ALL ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
- PROVIDE TOGGLE SWITCH FOR MANUAL CONTROL OF LIGHTING FIXTURES AS INDICATED.
- INSTALL RECEPTACLE 6" ABOVE SHOW WINDOW TO MEET NEC SHOW WINDOW REQUIREMENTS.
- PROVIDE A MANUAL OVERRIDE TOGGLE SWITCH FOR EF-3, L-2 TO BE WIRED IN PARALLEL WITH TOXALERT CO SENSOR.
- THESE LIGHT FIXTURES ONLY TO BE MOUNTED AT 14'-7" AFF.
- PROVIDE SENSOR SWITCH #PP20 POWERPACK(S) AS REQUIRED FOR LIGHTING CONTROLS IN THIS AREA.



**LIGHTING CONTROL WIRING DIAGRAM**  
 SCALE: 1/8" = 1'-0"



**LIGHTING PLAN**  
 SCALE: 1/8" = 1'-0"