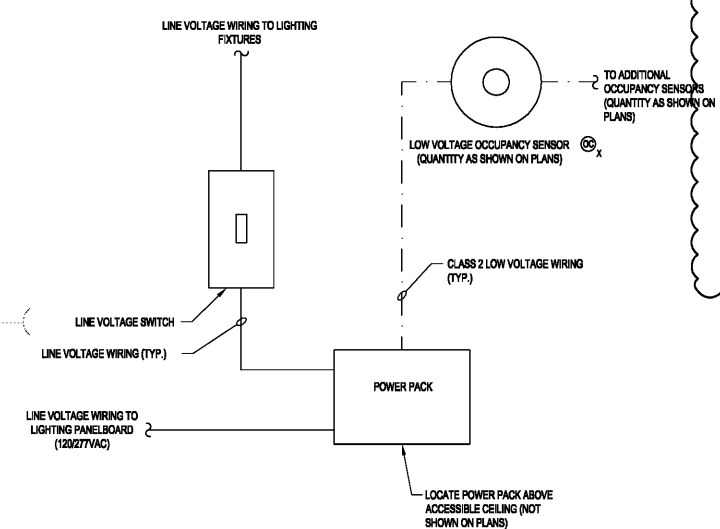


- GENERAL NOTES:**
- REFER TO ARCHITECTURAL SHEET A111 FOR EXACT MOUNTING HEIGHTS, LOCATIONS AND INSTALLATION REQUIREMENTS OF LIGHT FIXTURES.
 - ALL EMERGENCY, NIGHT LIGHTS, AND EXIT LIGHTS TO BE WIRED AHEAD OF LOCAL SWITCHING.
 - LIGHTING CONTROLS TO BE BASED ON LEGRAND WATTSTOPPER LIGHTING VENDOR IS CAPITOL LIGHT. COORDINATE WITH VENDOR DRAWINGS FOR MORE INFORMATION.
 - COORDINATE A START-UP DATE WITH WATTSTOPPER AND CAPITOL LIGHT. G.C. TO CONTACT WATTSTOPPER FIELD TECHNICAL SERVICES AT 888-852-2776 TO SCHEDULE THE START-UP VISIT.
- CODED NOTES:**
- PROVIDE J-BOX AND DISCONNECTING MEANS FOR STOREFRONT SIGN PER CODE ABOVE ACCESSIBLE CEILING. PROVIDE A 18"Ø SERVICE LOOP AT EACH J-BOX LOCATION. J-BOX TO BE LOCATED A MAX OF 18"Ø FROM SIGN CONNECTION. COORDINATE ACCESS PANEL LOCATION WITH SIGN VENDOR. PROVIDE ON/OFF ROOM CONTROLLER FOR CONTROL OF SIGNAGE. COORDINATE SCHEDULE WITH OWNER.
 - INSTALL WALL MOUNTED OCCUPANCY SENSOR MOUNTED AT 48" A.F.F. FOR THE TOILET ROOM. OCCUPANCY SENSOR SHALL CONTROL EXISTING FAN AND LIGHT TENANTS VENDOR PROVIDED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES. SEE DETAIL ON THIS SHEET FOR MORE INFORMATION.
 - ELECTRICAL SERVICE EQUIPMENT LOCATION. REFER TO ONE-LINE DIAGRAM AND PANEL BOARD SCHEDULE ON SHEET E3.0 FOR MORE INFORMATION.
 - INSTALL LIGHTING CONTROL PANEL. LIGHTING CONTROL PANEL PROVIDED BY TENANT'S VENDOR. THE LIGHTING CONTROL PANEL SHALL BE PROGRAMMED TO MEET CDS.2.1.
 - PROVIDE OVERRIDE SWITCH. FIELD VERIFY EXACT LOCATION.
 - INSTALL PENDANT MOUNTED OCCUPANCY SENSOR MOUNTED AT HEIGHT OF LIGHT FIXTURES. TENANT'S VENDOR PROVIDED. PROVIDE WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES. SEE DETAIL ON THIS SHEET FOR MORE INFORMATION.
 - LIGHTING FOR ALL WORKING SPACES ABOVE ALL SERVICE EQUIPMENT SHALL NOT BE CONTROLLED BY AUTOMATIC MEANS ONLY. VERIFY FIXTURES ARE CONNECTED TO SWITCH. IF NO SWITCH IS PRESENT, PROVIDE A SWITCH TO FIXTURE.
 - INSTALL WALL MOUNTED OCCUPANCY SENSOR PROVIDED BY TENANT'S VENDOR. MOUNTED 48" A.F.F. FOR THE OFFICE. OCCUPANCY SENSOR SHALL CONTROL THE LIGHT. PROVIDE ALL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES.
 - LIGHT FIXTURE TO BE USED FOR SECURITY LIGHTING PURPOSES.
 - LIGHTING SWITCHES PROVIDED BY TENANT'S VENDOR. INSTALLED BY E.C. PROVIDE A PUSH BUTTON SWITCH FOR CONTROL OF SALES AREA LIGHTING. COORDINATE WITH LIGHTING VENDOR FOR FINAL SELECTION. PROVIDE ADDITIONAL ROOM CONTROLLERS FOR MILLWORK FIXTURES SEE SHEET E2.0 FOR MORE INFORMATION ON ADDITIONAL LIGHTING CONTROL. COORDINATE WITH LIGHTING VENDOR FOR MORE INFORMATION.
 - SPEAKERS, WIRE AND SUPPORTS SHALL BE INSTALLED BY TENANT'S VENDOR. CONNECT SPEAKERS TO TENANT'S STEREO SYSTEM AT TELCO. (CONFIRM LOCATION WITH TENANT) TENANT'S VENDOR SHALL PROVIDE ALL CABLEING. VERIFY LANDLORD CONNECTION REQUIREMENTS FOR EMERGENCY SYSTEM OVERSEE. E.C. TO PROVIDE J-BOX AT SPEAKER LOCATION.
 - CAMERA CDSV SYSTEM PROVIDED BY TENANT'S VENDOR. WIRE WILL CONNECT TO RECORDER MONITOR IN MANAGER'S OFFICE. CONFIRM LOCATION OF CAMERA WITH TENANT. TENANT'S VENDOR TO PROVIDE ALL CONDUIT AND CABLEING.
 - PROVIDE A WATTSTOPPER CONTROL SCHEDULER AND NETWORK INTERFACE FOR LIGHTING CONTROLS. COORDINATE WITH OWNER FOR LIGHTING SCHEDULE.
 - INSTALL WALL MOUNTED OCCUPANCY SENSOR. TENANT VENDOR PROVIDED. PROVIDE WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES. SEE DETAIL ON THIS SHEET FOR MORE INFORMATION.

LANDLORD ELECTRICAL COMMENTS:

- EMT (electric metallic tubing) shall be used in all demising walls, home runs, and between boxes and pull boxes. MC Cable may be used in other application as allowed by the Authority Having Jurisdiction (AHJ). All exposed conduit, rigid or MC Cable, shall be installed in tight straight lines, parallel or in right angles to the building structure. Do not loop excess MC Cable in ceiling space or wall cavity.
- All feeders shall be copper. Type AC and NM (Romex) cables are not acceptable. All panels shall be UL labeled with bolt on type circuit breakers. Panels shall NOT be recessed in demising and shall be mounted on plywood backer panels unless recessed into a furniture or interior wall.
- Panel phase loads shall be balanced within 10%. Only 30 KVA and smaller transformers may be suspended from building structure. All transformers shall be floor supported. Structural support documentation shall be required to meet Authority Having Jurisdiction (AHJ). Nothing is permitted to be attached to, suspended from, or penetrate Landlord's structure, floor deck, or roof deck. Nothing may attach, nondestructively, to or suspend from any chord of the joist or the structural steel which exists above the tenant space. When attaching to landlord's structure, do NOT drill, weld, screw, or shoot into structure. Alternative methods of attachment ONLY, nothing to damage landlord's base building structure. Tenant shall provide signed and sealed structural drawings, by a structural engineer with legally active registration as indicated by all jurisdictional requirements, for all structural modifications for Landlord records.
- 7 day, 24 hour time clock is required to control storefront entry lights, show window lights, show window receptacles and storefront signage. Illuminated storefront signs must remain lit during all mall business hours.
- All equipment, devices and fixtures shall be grounded in compliance with NEC and UL requirements.
- Slab requirements:
Slab on grade: Tenant's General Contractor shall advise the Operation Team prior to any slab modifications or removal. Tenant GC shall verify that Work shall not conflict with any existing structural, utility, or other underslab condition. (Nondestructive verification may be required.) Any damage or downtime caused by Tenant's work shall be repaired and reimbursed at Tenant's expense.
- Elevated Slabs:
Tenant's General Contractor shall advise the Operations Team prior to any slab modification or removal. If any elevated slab is to be modified in anyway (drilled, cornd, or penetrated), tenant shall provide stamped and certified drawings by a licensed structural engineer certified in the local jurisdiction. All penetrations shall be CORE BORED ONLY. Saw cutting, jack hammering, and trenching is strictly prohibited. All penetrations shall be sleeved, sealed, fire stopped, and waterproofed. The penetration sleeve shall extend a minimum of 4" on either side of the slab and be labeled with the required NFPA rating. Tenant GC shall verify that Work shall not conflict with any existing structural, utility, or other underslab condition. (Nondestructive verification may be required.) Any damage or downtime caused by Tenant's work shall be repaired and reimbursed at Tenant's expense.



TYPICAL LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM

- NOTES:**
- SENSOR SWITCH IS SHOWN AS THE BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND OTHER ACCEPTABLE MANUFACTURERS. IF ANY OF THE OTHER ACCEPTABLE MANUFACTURERS ARE USED, NOTE THAT THEIR EXACT REQUIREMENTS, COMPONENTS AND WIRING WILL LIKELY DIFFER AND THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A COMPLETE, OPERATIONAL SYSTEM EQUIVALENT TO THAT SHOWN.
 - WIRING DIAGRAMS ARE DIAGRAMMATIC AND SHOWN FOR REFERENCE ONLY. REFER TO MANUFACTURERS WIRING DIAGRAMS FOR ALL REQUIRED COMPONENTS AND WIRING.
 - INSTALL LOW VOLTAGE WIRING IN 3/4" CONDUIT (MIN.).
 - REFER TO MANUFACTURERS LATEST LITERATURE FOR REQUIRED WIRING SIZES. INCREASE AS REQUIRED FOR VOLTAGE DROP.
 - MOUNT POWER PACK IN DEEP JUNCTION BOX IF REQUIRED PER LOCAL AHJ.
 - LOW VOLTAGE WIRING IS NOT SHOWN ON PLANS AND NOT ALL LINE VOLTAGE WIRING IS SHOWN ON PLANS. PROVIDE ALL REQUIRED LINE AND LOW VOLTAGE WIRING FOR A COMPLETE, FUNCTIONAL SYSTEM.
 - SOME AREAS HAVE OCCUPANCY SENSOR CONTROL ONLY (NO LINE VOLTAGE SWITCHES) AS SHOWN ON PLANS.

| LIGHTING CONTROL MATRIX | | | | | | | | |
|---------------------------|------------|------------------|---------------------|--------------|---------------|---------------------|---------------|----------|
| ROOM/AREA SERVED | TIME CLOCK | OCCUPANCY SENSOR | AUTO OFF TIME (MIN) | DIMMING TYPE | DIMMING LEVEL | AFTERHOURS OVERRIDE | MANUAL ON/OFF | KEYNOTES |
| SALES TYPE A, A1 LIGHTS | X | | | 0-10V | 10% | X | X | |
| SALES TYPE C1, C2 LIGHTS | X | | | 0-10V | 10% | X | X | |
| SALES TYPE P WALL WASHERS | X | | | 0-10V | 10% | X | X | |
| STUDIO | X | | | 0-10V | 10% | X | X | |
| SALES DISPLAY LIGHTING | X | | | | | X | X | |
| OFFICE | | X | 15 | | | | X | |
| STOCKROOM | | X | 15 | | | | X | |
| RESTROOM | | X | 15 | | | | X | |
| EXIT CORRIDOR | | X | 15 | | | | X | |

GENERAL NOTES:

A LIGHTING VENDOR TO PROVIDE ALL PARTS AND PIECES NECESSARY TO MAKE A FUNCTIONAL LIGHTING CONTROL SYSTEM WITH ALL CONTROLS AS MARKED ABOVE. MANUFACTURER TO BE WATTSTOPPER.

B REFERENCE COMPLETE WIRING DIAGRAM PRIOR TO INSTALLATION.

C IF DIMMING IS CALLED FOR IN SCHEDULE ABOVE, IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND PROVIDE ALL NECESSARY PARTS, BALLASTS, DRIVERS, ETC. TO PROVIDE THE DIMMING FUNCTION.

Order Plans

ELECTRICAL LIGHTING PLAN

DATE: 08/20/2018
DRAWN BY: STAFF
PROJECT NO.: 18125
FILE NAME: 2018-0818 E1.0.dwg