#### **DEMOLITION NOTES**

- A. THE EXISTING CONDITIONS SHOWN WERE TAKEN FROM AVAILABLE RECORD INFORMATION. FIELD VERIFY ALL CONDITIONS THAT MAY AFFECT CONSTRUCTION. IF ANY DISCREPANCIES ARE DISCOVERED, NOTIFY THE ENGINEER IN WRITING AND REQUEST DIRECTION PRIOR TO COMMENCING WORK.
- B. EXISTING LIGHT FIXTURES SHALL BE CAREFULLY REMOVED (DO NOT DAMAGE) AND RETURNED TO THE OWNER.
- C. ANY AND ALL EQUIPMENT HAVING ELECTRICAL CONNECTIONS THAT REQUIRE DISCONNECTING AND/OR RE-CONNECTING AS A RESULT OF CONSTRUCTION SHALL BE INCLUDED AS A PART OF THIS CONTRACT.
- D. THE EXISTING ELECTRICAL DEVICES, CONDUIT, AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION SHALL BE RELOCATED UNLESS OTHERWISE NOTED. LOCATION IS TO BE AS CLOSE AS POSSIBLE TO THE ORIGINAL LOCATION.
- E. ALL CIRCUITS, CONDUIT AND WIRE THAT ARE NOT TO REMAIN IN SERVICE SHALL BE REMOVED BACK TO THE FIRST ACCESSIBLE JUNCTION BOX WHERE IT SHALL BE TIED OFF AND LABELED AS SPARE WITH CIRCUIT NUMBER INDICATED.
- F. REMOVE ALL ABANDONED WIRE AND CABLING.

## **GENERAL NOTES**

- 1. SYMBOLS LEGENDS ARE PROVIDED FOR REFERENCE PURPOSES ONLY. THE SYMBOLS REPRESENT THE TYPE OF DEVICES THAT MAY BE REQUIRED IN THE WORK; QUANTITIES AND LOCATIONS ARE AS SHOWN ON THE PLAN
- 2. PROVIDE 3/4" CONDUIT & #12 CONDUCTORS UNLESS NOTED OTHERWISE. PROVIDE ONE NEUTRAL CONDUCTOR FOR EACH UNGROUNDED CONDUCTOR OF SINGLE PHASE LINE-NEUTRAL BRANCH CIRCUITS. DO NOT SHARE NEUTRAL CONDUCTORS.
- 3. EACH FEEDER AND BRANCH CIRCUIT CONDUIT SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NFPA 70, ARTICLE 250.
- 4. ALL ELECTRICAL EQUIPMENT IN PORTIONS OF THE BUILDING NOT BEING REMODELED SHALL BE LEFT IN WORKING CONDITION. RESTORE ANY CIRCUITS INTERRUPTED.
- 5. ALL NEW LIGHT FIXTURES AND FIXTURES IN AREAS ADJACENT DEMOLITION & CONSTRUCTION AREAS ARE TO BE THOROUGHLY CLEANED IMMEDIATELY PRIOR TO NOTICE OF SUBSTANTIAL COMPLETION.
- 6. THE FOLLOWING IS PART OF THIS PROJECT AND ALL COSTS PERTAINING THERETO SHALL BE INCLUDED IN THE
- A. NEW ELECTRICAL EQUIPMENT AND APPARATUS SHALL BE COORDINATED AND CONNECTED INTO THE EXISTING SYSTEM AS REQUIRED.
- B. POWER WIRING AND CABLE INSTALLATIONS SHALL BE CONCEALED ABOVE ACCESSIBLE CEILINGS AND IN WALLS. EXPOSED WIRING SHALL BE INSTALLED IN APPROVED SURFACE METAL RACEWAY WHERE INDICATED.
- C. WHERE EXISTING CONDUITS ARE INDICATED FOR REUSE, FIELD VERIFY INTEGRITY OF REUSED RACEWAYS PRIOR TO INSTALLATION OF CONDUCTORS. PROVIDE NEW RACEWAYS WHERE EXISTING ARE UNUSABLE.
- D. LOCATIONS OF ALL WALL MOUNTED DEVICES SUCH AS SWITCHES, RECEPTACLES, AND OUTLETS ARE SHOWN DIAGRAMMATICALLY. DETERMINE EXACT DEVICE LOCATIONS IN FIELD; COORDINATE INSTALLATIONS WITH FIXED CASEWORK, DOORS AND RELITES.
- E. PROVIDE PENETRATIONS THROUGH WALLS, FLOORS, AND CEILINGS AS REQUIRED. PROVIDE SUITABLE FIRE RATED MATERIALS AND SEAL ALL CEILING, FLOOR, AND WALL PENETRATIONS TO MATCH FIRE RATING OF SURFACES PENETRATED.

### LIGHTING AND RECEPTACLE NOTES

- 1. LIGHTING SYSTEMS SHALL BE PROVIDED WITH CONTROLS AS ZONED ON THE LIGHTING PLANS. SWITCHING AND DIMMING ZONES ARE INDICATED ADJACENT TO EACH FIXTURE.
- 2. MANUAL CONTROLS SHALL ALLOW OCCUPANTS TO UNIFORMLY REDUCE ILLUMINATION LEVELS AT LEAST 50%. EXCEPTION: CORRIDORS, RESTROOMS, LOBBIES, MECHANICAL, ELECTRICAL, AND INFORMATION TECHNOLOGY (IDF) ROOMS CONTROLLED BY OCCUPANCY SENSORS.
- 3. EACH AREA THAT IS REQUIRED TO HAVE A MANUAL CONTROL SHALL ALSO HAVE AUTOMATIC TIME SWITCH CONTROL. PROVIDE TIMED OVERRIDE SWITCHES THAT WILL SERVE A MAXIMUM AREA OF 2500 SF IN LOCATIONS SHOWN ON PLANS. EXCEPTIONS:
- A. EMERGENCY EGRESS LIGHTING CONTROLLED BY OCCUPANCY SENSORS. B. LIGHTING IN SPACES CONTROLLED BY OCCUPANCY SENSORS.
- 4. LUMINAIRES PROVIDING MEANS OF EGRESS ILLUMINATION AND HAVING BOTH NORMAL AND EMERGENCY POWER SOURCES SHALL BE CONTROLLED BY A COMBINATION OF U.L. 924 LISTED EMERGENCY RELAYS AND OCCUPANCY SENSORS THAT ENABLES THE LIGHTING TO BE SHUT OFF WHEN THE AREAS SERVED ARE UNOCCUPIED AND AUTOMATICALLY ILLUMINATES IN THE EVENT OF NORMAL POWER SOURCE FAILURE.
- 5. THE MAXIMUM LIGHTING POWER THAT MAY BE CONTROLLED FROM A SINGLE SWITCH OR AUTOMATIC CONTROL SHALL NOT EXCEED THAT WHICH IS PROVIDED BY A 20 AMPERE CIRCUIT LOADED TO NOT MORE THAN 80 PERCENT.
- 6. PROVIDE FUNCTIONAL TESTING OF AUTOMATIC LIGHTING CONTROLS. SUBMIT WRITTEN PROCEDURES FOR FUNCTIONAL TESTING OF ALL AUTOMATIC CONTROLS WITH DESCRIPTION OF THE EXPECTED SYSTEM

# STRUCTURED CABLE SYSTEM PATHWAY NOTES

- 1. SYSTEM CABLING PATHWAYS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT VERSION OF
- 2. CABLE SUPPORTS SHALL NOT BE PLACED MORE THAT 5' APART.
- 3. CABLE "SAG" BETWEEN SUPPORTS SHALL NOT EXCEED 12".
- 4. CABLE LENGTHS SHALL NOT EXCEED 295', INCLUDING PATCH CORD LENGTHS AT COMM ROOMS AND WORKSTATIONS. IF A CABLE LENGTH WILL EXCEED 295', INFORM THE ICT ENGINEER IMMEDIATELY BEFORE
- 5. CABLE MINIMUM BEND RADIUS AND MAXIMUM PULLING TENSION SHALL NOT BE EXCEED. REFER TO MANUFACTURER'S REQUIREMENTS AND REFERENCE DOCUMENTS.
- 6. CABLES SHALL BE INSTALLED IN CONTINUOUS LENGTHS FROM ORIGIN TO DESTINATION (NO SPLICES).
- 7. CABLES SHALL BE INSTALLED ABOVE FIRE-SPRINKLER SYSTEMS AND SUPPORTED INDEPENDENTLY OF SPRINKLER PIPING OR ANY ANCILLARY EQUIPMENT OR HARDWARE. THE CABLE SYSTEM AND SUPPORT HARDWARE SHALL BE INSTALLED SO THAT IT DOES NOT OBSCURE ANY VALVES, FIRE ALARM CONDUIT, BOXES, OR OTHER CONTROLLED
- 8. CABLES SHALL NOT BE ATTACHED TO CEILING GRID OR LIGHTING FIXTURE WIRES.
- 9. AT NO POINT SHALL CABLES REST ON ACOUSTIC CEILING GRIDS OR PANELS, OR BE ATTACHED TO ANY PORTION OF THE BUILDING MECHANICAL OR PIPING SYSTEMS. PROVIDE COMPLETE CABLE SUPPORT PATHWAYS CONSISTING OF CONDUIT, RACEWAY, LADDER RACK, CABLE TRAY, J-HOOKS OR BRIDAL RINGS.
- 10. ANY CABLE DAMAGED DURING INSTALLATION OR EXCEEDING RECOMMENDED INSTALLATION PARAMETERS SHALL BE REPLACED PRIOR TO FINAL ACCEPTANCE AT NO ADDITIONAL COST TO THE OWNER.
- 11. CABLES AND PATHWAYS SHALL BE CLEARLY LABELED IN ACCORDANCE WITH TIA-606-C.
- 12. PROVIDE "VELCRO" TYPE (HOOK AND LOOP) TIE WRAPS FOR BUNDLING / MANAGING HORIZONTAL AND BACKBONE CABLING. PLACE EVERY 5' FOR CABLE RUNS IN CEILING AND EVERY 18" AFTER ENTERING TELECOMMUNICATIONS ROOM. PLASTIC "ZIP-TIES" SHALL NOT BE PERMITTED WITHIN THE STRUCTURED CABLING
- 13. HORIZONTAL UTP PAIR UNTWIST AT THE TERMINATION SHALL NOT EXCEED 0.5".
- 14. PROVIDE (1) 2" CONDUIT SLEEVE WITH INSULATED BUSHINGS FOR PENETRATION INTO OFFICES, EXAM ROOMS, ETC, AS REQUIRED TO FACILITATE CABLE ROUTING WHETHER SHOWN ON DRAWINGS OR NOT.
- 15. ALL PENETRATIONS MUST BE FIRE-STOPPED IN ACCORDANCE OF THE NFPA, NEC AND TO THE SATISFACTION OF
- 16. ALL TELECOMMUNICATION ROOMS AND PATHWAYS SHALL ADHERE TO TIA-569-D.
- 17. ALL TELECOMMUNICATION BONDING AND GROUNDING SHALL ADHERE TO TIA-607-D.
- 18. NOT ALL PARTS SHOWN. ENSURE A COMPLETE WORKING INSTALLATION INCLUDING MISCELLANEOUS INSTALLATION MATERIALS, CONNECTORS, CONSUMABLES, AND APPURTENANCES.
- 19. PROVIDE NETWORK/TELEPHONY CABLES TO THE FOLLOWING LOCATIONS FROM THE NEAREST COMMUNICATIONS ROOM, UNLESS OTHERWISE NOTED:

- E. ACCESS CONTROL SYSTEM PANELS/ENCLOSURES

| ABBRI   | EVIATIONS                          |      |                                 |
|---------|------------------------------------|------|---------------------------------|
| @       | AT                                 | MAG  | MAGNETIC                        |
| Ã/C     | AIR CONDITIONING(ER)               | MAN  | MANUAL                          |
| Α       | (AMP) AMPERE                       | MAT  | MATERIAL                        |
| AC      | ABOVE COUNTER, ALTERNATING CURRENT | MAX  | MAXIMUM                         |
| ADJ     | ADJUSTABLE                         | MCA  | MINIMUM CIRCUIT AMPACITY        |
| ADJT    | ADJACENT                           | MCB  | MAIN CIRCUIT BREAKER            |
| AFF     | ABOVE FINISHED FLOOR               | MECH | MECHANICAL                      |
| AHJ     | AUTHORITY HAVING JURISDICTION      | MEZZ | MEZZANINE                       |
| AIC     | AMPERE INTERRUPTING CAPACITY       | MG   | MOTOR GENERATOR                 |
| ALT     | ALTERNATE                          | MH   | METAL HALIDE / MANHOLE          |
| ANN     | ANNUNCIATOR                        | MIN  | MINIMUM                         |
| ARCH    | ARCHITECT; ARCHITECTURAL           | MISC | MISCELLANEOUS                   |
| ATS     | AUTOMATIC TRANSFER SWITCH          | MLO  | MAIN LUG ONLY                   |
| AUTO    | AUTOMATIC                          | MOCP | MAXIMUM OVERCURRENT PROTECTION  |
| AUX     | AUXILIARY                          | MS   | MAGNETIC STARTER                |
| AWG     | AMERICAN WIRE GAUGE                | MTD  | MOUNTED                         |
|         |                                    | MTG  | MOUNTING                        |
| BKBD    | BACKBOARD                          | MTR  | MOTOR                           |
| BKR     | BREAKER                            |      |                                 |
| BLDG    | BUILDING                           | N    | NORTH; NEUTRAL                  |
|         |                                    | N/A  | NOT APPLICABLE                  |
| С       | CONDUIT                            | NC   | NORMALLY CLOSED                 |
| CAP     | CAPACITY                           | NEC  | NATIONAL ELECTRICAL CODE        |
| СВ      | CIRCUIT BREAKER                    | NEMA | NATIONAL ELECTRIC MANUFACTURERS |
| CKT     | CIRCUIT                            |      | ASSOCIATION                     |
| CLG     | CEILING                            | NESC | NATIONAL ELECTRICAL SAFETY CODE |
| CLR     | CLEAR                              | NEUT | NEUTRAL                         |
| COL     | COLUMN                             | NFPA | NATIONAL FIRE PROTECTION        |
| COM     | COMMUNICATION                      |      | ASSOCIATIONS                    |
| CPS     | CYCLES PER SECOND                  | NIC  | NOT IN CONTRACT                 |
| CT      | CURRENT TRANSFORMER                | NO   | NORMALLY OPEN                   |
| CTL     | CONTROL                            | NTS  | NOT TO SCALE                    |
| CU      | COPPER                             | 00   | ON OFFITED                      |
| B0      | DIDECT OUDDENT                     | OC   | ON CENTER                       |
| DC CW   | DIRECT CURRENT                     | OFCI | OWNER FURNISHED CONTRACTOR      |
| DISC SW | DISCONNECT SWITCH                  | OFOL | INSTALLED                       |
| DISC    | DISCONNECT                         | OFOI | OWNER FURNISHED OWNER INSTALLED |
| DN      | DOWN                               | OL   | OVERLOAD                        |

POST INDICATOR VALVE

RELOCATE (D)

RECEPTACLE

REFRIGERATOR

RATED LOAD AMPS

SMOKE DETECTOR

REVOLUTIONS PER MINUTE

SURGE PROTECTIVE DEVICE

SHORT CIRCUIT CURRENT RATING

RADIUS

SECURITY

SECTION

SPECIAL SQUARE

STORAGE

SWITCH

SYSTEM

SUPPLY FAN

SPECIFICATION

**SWITCHBOARD** 

SYMMETRICAL

**THERMOSTAT** 

**TERMINAL BOX** 

TIME CLOCK

TELEPHONE

**TELEVISION** 

UNIFORM FIRE CODE

UNDERWRITERS LABORATORIES

UNLESS OTHERWISE NOTED

UNDERGROUND UNIT HEATER

UNIT VENTILATOR

VELOCITY

VOLTMETER VOLUME

WATT, WEST

WATER HEATER

REACTANCE

TRANSMITTER

**IMPEDANCE** 

THAT IS

TRANSFORMER

WATT HOUR METER WEATHERPROOF

WITH WITHOUT

VARIABLE AIR VOLUME

TYPICAL

RECPT

RLA

RPM

SCCR

SECT

SPEC

SYM

SYS

VEL

XFMR

XMTR

VM

DRAWING OPTIONAL STANDBY EXIST, EAST PRIMARY

ELECTRIC DUCT HEATER PUBLIC ADDRESS EXHAUST FAN PARALLEL EQUIPMENT GROUNDING CONDUCTOR PULL BOX ELEVATION PHOTO ELECTRIC ELECTRIC(AL POWER FACTOR

**ENCLOSURE** POC POINT OF CONNECTION FNTR ENTRANCE PWR POWER **EXPLOSION PROOF** EMERGENCY POWER OFF QUANTITY

ELECTRICAL METALLIC TUBING

ELECTRIC WATER COOLER

ELECTRIC WATER HEATER

FIRE ALARM ANNUNCIATOR

FIRE ALARM CONTROL PANEL

**ELEVATOR EMERGENCY** 

EXHAUST

EXTERIOR

**EXISTING** 

FIRE ALARM

**FOOTCANDLE** 

FAN COIL UNIT

FIRE DAMPER

**GENERATOR** 

**HORIZONTAL** 

HORSEPOWER

HOUR

HEIGHT

HERTZ

**HOT WATER** 

INTERCOM ILLUMINATING

FULL LOAD AMPS

FIRE/SMOKE DAMPER

GROUND FAULT RELAY

HAND OFF AUTOMATIC

HIGH INTENSITY DISCHARGE

INTERNATIONAL BUILDING CODE

INSTITUTE OF ELECTRICAL AND

INTERMEDIATE METAL CONDUIT

THOUSAND CIRCULAR MILLS KILOVOLT AMPERES

KILOVOLT AMPERES REACTIVE

ELECTRONIC ENGINEERS

ISOLATED GROUND

JUNCTION BOX

LINEAR FEET (FEET) LOCKED ROTOR AMPS

LIFE SAFETY LIGHT

LIGHTING LOW VOLTAGE

KII OWATT KILOWATT HOUR

GROUND FAULT CIRCUIT INTERRUPTER

FEEDER

**FIXTURE** 

FAHRENHEIT/FUSE

EXH

EXT

EXIST

FLA

IEEE

KW

KWH

LTG

FOUIP/FOP FOUIPMENT

A. ELEVATOR CONTROL PANELS/ENCLOSURES B. BUILDING SYSTEM MANAGEMENT PANELS/ENCLOSURES

C. ENERGY SYSTEM MANAGEMENT PANELS/ENCLOSURES D. FIRE ALARM CONTROL SYSTEM PANELS/ENCLOSURES

F. TWO-WAY EMERGENCY COMMUNICATIONS SYSTEMS PANELS/ENCLOSURES

**ELECTRICAL SHEET INDEX** 

EL-1 GENERAL NOTES, ABBREVIATIONS & SHEET INDEX

EL-2 ELECTRICAL LEGEND EL-3 ELECTRICAL LIGHTING SCHEDULE

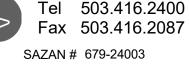
EL01 ELECTRICAL LIGHTING SITE PLAN



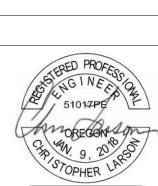




111 SW Fifth Ave., Ste. 3210 Portland, Oregon 97204



**REVISION DATES:** 

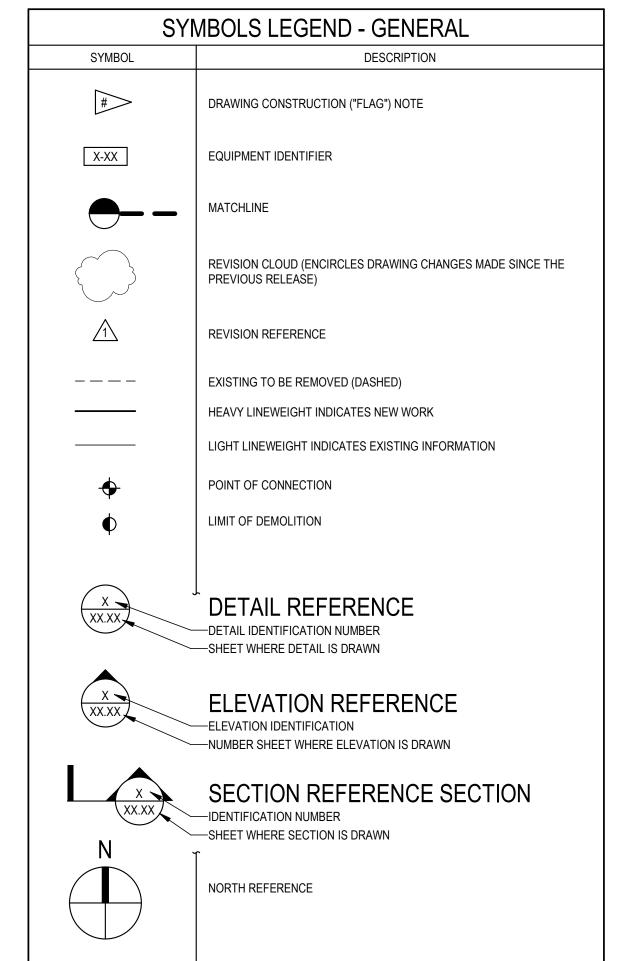


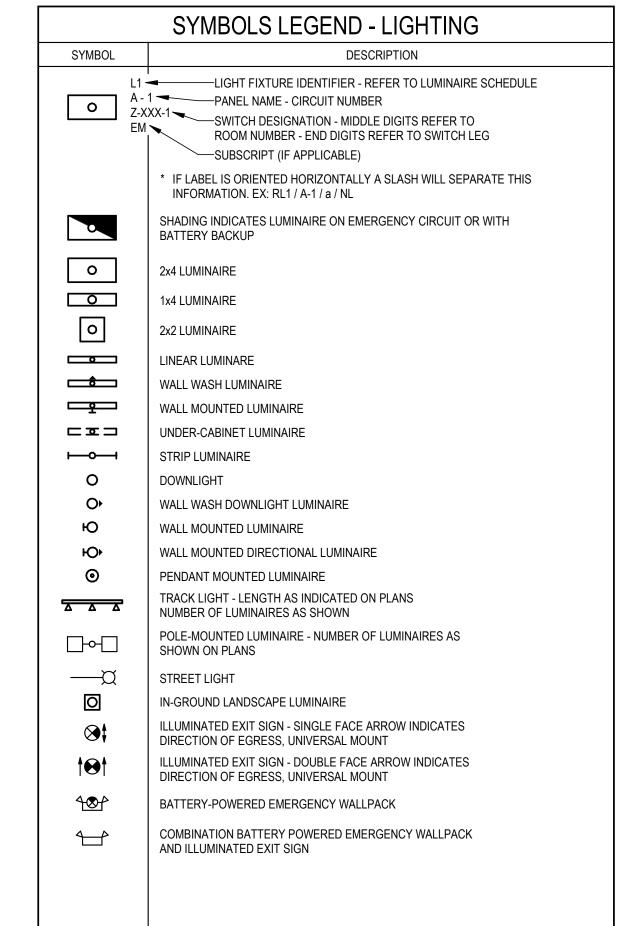
PROFESSIONAL SEAL

ISSUE DATE:

PROJECT NUMBER:

**GENERAL NOTES ABBREVIATIONS & SHEET INDEX** 





| SYMBOLS LEGEND - LIGHTING |   |  |  |  |  |  |  |  |
|---------------------------|---|--|--|--|--|--|--|--|
| SYMBOL                    | DESCRIPTION   |  |  |  |  |  |  |  |
| TC                        | TIME CLOCK - TYPE AS NOTED  |  |  |  |  |  |  |  |
| PP                        | LIGHTING CONTROL SYSTEM POWER PACK  |  |  |  |  |  |  |  |
| SB                        | SWITCH BYPASS DEVICE  |  |  |  |  |  |  |  |
| ICS1-1                    | ILLUMINATION CONTROL STATION  |  |  |  |  |  |  |  |
| OS                        | OCCUPANCY SENSOR CEILING MOUNTED WITH POWER PACK - DUAL TECHNOLOGY TYPE UNLESS NOTED: |  |  |  |  |  |  |  |
| OS                        | U = ULTRASONIC  |  |  |  |  |  |  |  |
| OS <sub>P</sub>           | P = PASSIVE INFRARED  |  |  |  |  |  |  |  |
| HOS                       | OCCUPANCY SENSOR WALL MOUNTED   |  |  |  |  |  |  |  |
| PC                        | PHOTOELECTRIC CONTROL CEILING MOUNTED   |  |  |  |  |  |  |  |
| HPC)                      | PHOTOELECTRIC CONTROL WALL MOUNTED  |  |  |  |  |  |  |  |
| <b>O</b>                  |   |  |  |  |  |  |  |  |
|                           |   |  |  |  |  |  |  |  |
|                           |   |  |  |  |  |  |  |  |
|                           |   |  |  |  |  |  |  |  |
|                           |   |  |  |  |  |  |  |  |
|                           |   |  |  |  |  |  |  |  |





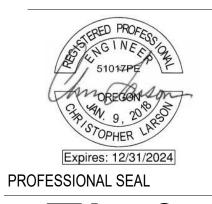
GROUP

111 SW Fifth Ave., Ste. 3210 Portland, Oregon 97204



SAZAN # 679-24003

**REVISION DATES:** 



ISSUE DATE:
PROJECT NUMBER:

ELECTRICAL LEGEND

| LUMINAIRE SCHEDULE |   |          |                    |       |                  |                     |              |         |                              |              |                                  |   |   |
|--------------------|---|----------|--------------------|-------|------------------|---------------------|--------------|---------|------------------------------|--------------|----------------------------------|---|---|
| ТҮРЕ               | DESCRIPTION   | MOUNTING | CCT / CRI          | WATTS | DELIVERED LUMENS | DRIVER              | DIMMING      | VOLTAGE | LENS / RELECTOR / BEAM       | FINISH       | MANUFACTURER SERIES              | ALTERNATE MANUFACTURER                          | NOTES                                       |
| E1                 | TYPE BLC4(BACK LIGHT CONTROL) DISTRIBUTION POLE LIGHT LED LUMINAIRE | 16' POLE | 3000K LED, 80+ CRI | 68W   | 5606 LM          | INTEGRAL ELECTRONIC | 0-10V TO 10% | UNV     | FROSTED ACRYLIC              | PER ARCHIECT | LITHONIA LIGHTING - DSX0 SERIES  | OR PRE-BID APPROVED SUBMITTED WITH PHOTOMETRICS | PROVIDE 16' POLE                            |
| E2                 | TYPE BLC3(BACK LIGHT CONTROL) DISTRIBUTION POLE LIGHT LED LUMINAIRE | 16' POLE | 3000K LED, 80+ CRI | 68W   | 5428LM           | INTEGRAL ELECTRONIC | 0-10V TO 10% | UNV     | FROSTED ACRYLIC              | PER ARCHIECT | LITHONIA LIGHTING - DSX0 SERIES  | OR PRE-BID APPROVED SUBMITTED WITH PHOTOMETRICS | PROVIDE 16' POLE                            |
| E3                 | TYPE T3M DISTRIBUTION POLE LIGHT LED LUMINAIRE                      | 16' POLE | 3000K LED, 80+ CRI | 45W   | 5930LM           | INTEGRAL ELECTRONIC | 0-10V TO 10% | UNV     | FROSTED ACRYLIC              | PER ARCHIECT | LITHONIA LIGHTING - DSX0 SERIES  | OR PRE-BID APPROVED SUBMITTED WITH PHOTOMETRICS | PROVIDE 16' POLE                            |
| E4                 | TYPE T4M DISTRIBUTION POLE LIGHT LED LUMINAIRE                      | 16' POLE | 3000K LED, 80+ CRI | 69W   | 7574LM           | INTEGRAL ELECTRONIC | 0-10V TO 10% | UNV     | FROSTED ACRYLIC              | PER ARCHIECT | LITHONIA LIGHTING - DSX0 SERIES  | OR PRE-BID APPROVED SUBMITTED WITH PHOTOMETRICS | PROVIDE 16' POLE                            |
| E5                 | DUAL HEAD TYPE T4M DISTRIBUTION POLE LIGHT LED LUMINAIRE            | 16' POLE | 3000K LED, 80+ CRI | 136W  | 15,148LM         | INTEGRAL ELECTRONIC | 0-10V TO 10% | UNV     | FROSTED ACRYLIC              | PER ARCHIECT | LITHONIA LIGHTING - DSX0 SERIES  | OR PRE-BID APPROVED SUBMITTED WITH PHOTOMETRICS | PROVIDE 16' POLE                            |
| E6                 | DUAL HEAD TYPE T3M DISTRIBUTION POLE LIGHT LED LUMINAIRE            | 16' POLE | 3000K LED, 80+ CRI | 136W  | 16,878LM         | INTEGRAL ELECTRONIC | 0-10V TO 10% | UNV     | FROSTED ACRYLIC              | PER ARCHIECT | LITHONIA LIGHTING - DSX0 SERIES  | OR PRE-BID APPROVED SUBMITTED WITH PHOTOMETRICS | PROVIDE 16' POLE                            |
| E7                 | TYPE T5W DISTRIBUTION POLE LIGHT LED LUMINAIRE                      | 16' POLE | 3000K LED, 80+ CRI | 93W   | 10,286LM         | INTEGRAL ELECTRONIC | 0-10V TO 10% | UNV     | FROSTED ACRYLIC              | PER ARCHIECT | LITHONIA LIGHTING - DSX0 SERIES  | OR PRE-BID APPROVED SUBMITTED WITH PHOTOMETRICS | PROVIDE 16' POLE                            |
| E8                 | TYPE T3M DISTRIBUTION POLE LIGHT LED LUMINAIRE                      | 16' POLE | 3000K LED, 80+ CRI | 68W   | 8439LM           | INTEGRAL ELECTRONIC | 0-10V TO 10% | UNV     | FROSTED ACRYLIC              | PER ARCHIECT | LITHONIA LIGHTING - DSX0 SERIES  | OR PRE-BID APPROVED SUBMITTED WITH PHOTOMETRICS | PROVIDE 16' POLE                            |
| E9                 | ARCHITECTURAL BOLLARD LED LUMINAIRE                                 | 41.5"    | 3000K LED, 80+ CRI | 5W    | 465 LM           | INTEGRAL ELECTRONIC | 0-10V TO 10% | UNV     | SYMMETRIC DISTRIBUTION       | PER ARCHIECT | LITHONIA LIGHTING - RADB SERIES  | OR PRE-BID APPROVED SUBMITTED WITH PHOTOMETRICS | PROVIDE PHOTOELECTRIC CELL BUTTON TYPE (PE) |
| E10                | ACHITECTURAL WALL PLACK LED LUMINAIRE                               | WALL     | 3000K LED, 80+ CRI | 23W   | 3205 LM          | INTEGRAL ELECTRONIC | 0-10V TO 10% | UNV     | FROSTED ACRYLIC              | PER ARCHIECT | LITHONIA LIGHTING - ARC2 SERIES  | OR PRE-BID APPROVED SUBMITTED WITH PHOTOMETRICS |   |
| E11                | ACHITECTURAL WALL PLACK LED LUMINAIRE                               | WALL     | 3000K LED, 80+ CRI | 10W   | 1161 LM          | INTEGRAL ELECTRONIC | 0-10V TO 10% | UNV     | VISUAL COMFORT FORWARD THROW | PER ARCHIECT | LITHONIA LIGHTING - WDGE1 SERIES | OR PRE-BID APPROVED SUBMITTED WITH PHOTOMETRICS |   |





SÄZÄ N GROUP

111 SW Fifth Ave., Ste. 3210 Portland, Oregon 97204

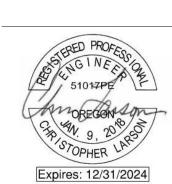


Fax 503.416.20
SAZAN # 679-24003

#26467

INCE ST

REVISION DATES:



Expires: 12/31/2024
PROFESSIONAL SEAL

PROFESSIONAL SEAL

ISSUE DATE: 11/15
PROJECT NUMBER: 2

ELECTRICAL LIGHTING SCHEDULE

