

LIGHTING FIXTURE LIST					
TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
A1 A1E	LED 3000K 2000LM/80CRI 25W	LITHONIA (OR APPROVED OTHER)	ZLIN SERIES	TYPE :4" GEN. PURPOSE STRIP MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :DIFFUSED ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE 'AE' SIMILAR TO TYPE 'A' EXCEPT WITH EMERGENCY BATTERY BACK-UP EQUIP. RMS, TRASH RM, LEASE SPACE
A2	LED 3500K 3000LM/80CRI 23W	LITHONIA (OR APPROVED OTHER)	FEML48 SERIES	TYPE :4" ENCLOSED INDUSTRIAL MOUNTING :SURFACE HOUSING :POLYCARBONATE LENS/REFL :CLEAR POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER	WALL MOUNT AT +7"-0" AFF IN ROOF TERRACE MECH. ROOM. ELEVATOR PIT & TOP OF SHAFT
B1 ②	LED 3000K 2152LM/80CRI 18.7W	LITHONIA (OR APPROVED OTHER)	WL4 20LP835 SERIES	TYPE :4" WRAP AROUND MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	PROVIDE WITH INTEGRAL OCCUPANCY SENSOR, DIM50 STANDBY MODE STAIRWELLS
B2	LED 3000K 3000LM/80CRI 20W	LITHONIA (OR APPROVED OTHER)	CLXL48 SERIES	TYPE :4" WRAP AROUND MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :WIDE DIFFUSED VOLTAGE :MVOLT BALLAST :LED DRIVER	WIDE DISTRIBUTION STANDARD OUTPUT BIKE ROOM, PACKAGE ROOM
B3	LED 3000K 3000LM/80CRI 28W	LITHONIA (OR APPROVED OTHER)	CLXL36 SERIES	TYPE :3" WRAP AROUND MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :WIDE DIFFUSED VOLTAGE :MVOLT BALLAST :LED DRIVER	STANDARD OUTPUT ELEVATOR MACHINE ROOM
B4 ⑧	LED 3000K/80CRI 500LM/FT 9.4W/FT	NULITE (OR APPROVED OTHER)	RP14-B--FF SERIES	TYPE :8FT DIRECT/INDIRECT LINEAR MOUNTING :SUSPENDED HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (0-10 DIMMING)	60% DOWN--40% UP DISTRIBUTION MOUNT AT 10FT AFF TO BOTTOM OF FIXTURE. STANDARD WHITE FINISH BIKE ROOMS BLDG B FITNESS ROOM
C1	LED 3000K 1275LM 12W	USAI LIGHTING (OR APPROVED OTHER)	BEVELED B4RD--G1 SERIES	TYPE :4.5" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :SOLITE VOLTAGE :MVOLT BALLAST :LED DRIVER	 LOBBIES, CORRIDORS
C2	LED 600LM/80CRI 3000K 10W	COOPER LIGHTING (OR APPROVED OTHER)	SMD4R12 SERIES	TYPE :4" DIA. DOWNLIGHT MOUNTING :SURFACE (J-BOX) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	WHITE TRIM UL LISTED DAMP LOCATION RESTROOMS, DOG WASH
C3	LED 650LM 3000K 10W	ALPHABET LIGHTING (OR APPROVED OTHER)	NU3RD SERIES	TYPE :3" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :DIFFUSED LENS VOLTAGE :MVOLT BALLAST :LED DRIVER (0-10 DIMMING)	IC RATED ---- FINISH APARTMENT ENTRY
C4	LED 3000K/90CRI 330LM/FT 3.2W/FT	TBD (OR APPROVED OTHER)	TBD	TYPE :LED COVE LIGHT MOUNTING :SURFACE (IN COVE) HOUSING :ALUMINUM CHANNEL LENS/REFL :ACRYLIC VOLTAGE :24V BALLAST :LED DRIVER (NON-DIMMING)	PROVIDE POWER PACKS AS REQUIRED BY VENDOR. COVE LIGHTING CIRCUITED VIA EMERGENCY POWER SYSTEM. MAX. RUN LENGTH = 30T OR BETTER RESIDENTIAL CORRIDORS
C5	LED 3000K 1775LM 16W	USAI LIGHTING (OR APPROVED OTHER)	BEVELED B4RD--G1 SERIES	TYPE :4.5" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :SOLITE VOLTAGE :MVOLT BALLAST :LED DRIVER	 ELEVATOR LOBBIES
C6	LED 3000K 600LM 8W	JUNO LIGHTING (OR APPROVED OTHER)	2LEDDRIVER G2 SERIES	TYPE :2" DIA. ADJUSTABLE DOWNLIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :NA VOLTAGE :MVOLT BALLAST :LED DRIVER	---- FINISH IC RATED LOBBY
G1	LED 3000K 8000LM 100W	DAYBRITE (OR APPROVED OTHER)	FSX-8 SERIES	TYPE :8FT LINEAR STRIP MOUNTING :SURFACE HOUSING :POLYCARBONATE LENS/REFL :FROSTED POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	PROVIDE WITH 50% DIMMING DURING PERIODS OF LOW ACTIVITY GARAGE
G2	LED 3000K 4000LM 52W	DAYBRITE (OR APPROVED OTHER)	FSX-4 SERIES	TYPE :4FT LINEAR STRIP MOUNTING :SURFACE HOUSING :POLYCARBONATE LENS/REFL :FROSTED POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	PROVIDE WITH 50% DIMMING DURING PERIODS OF LOW ACTIVITY GARAGE

LIGHTING FIXTURE LIST -- DECORATIVE					
TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
LF1	LED 1640LM 2700K 36W	RBW LIGHTING (OR APPROVED OTHER)	PD4PC40PC402 SERIES	TYPE :LARGE DECORATIVE PENDANT MOUNTING :SUSPENDED (VERIFY MNTG HT) HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER 0-10 DIMMING	BROWN/GOLD FINISH MAIN LOBBY
LF2	LED 2700K 950LM 10W	IN COMMON WITH (OR APPROVED OTHER)	DOUBLE PUCK SERIES	TYPE :MINI PENDANT MOUNTING :SUSPENDED (VERIFY MNTG. HT) HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	RED OXIDE FINISH RESTROOMS
LF3	LED 2700K 598LM/FT 5W/FT	ALCON (OR APPROVED OTHER)	12100--R2P SERIES	TYPE :LINEAR PENDANT (DIRECT) MOUNTING :SUSPENDED (VERIFY MNTG HT) HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER	---- FINISH GARAGE ENTRY
LF4	LED 2700K 734LM/FT 5W/FT	ALCON (OR APPROVED OTHER)	12100--R4P SERIES	TYPE :LINEAR PENDANT (DIRECT) MOUNTING :SUSPENDED (VERIFY MNTG HT) HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER (DIMMING)	---- FINISH MAIL ROOM
LF5	LED 3000K 3570LM 42W	KUZCO LIGHTING (OR APPROVED OTHER)	FM43522 SERIES	TYPE :21" DIA. CEILING LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER (0/10 DIMMING)	---- FINISH FITNESS ROOM
LF6	LED 2700K ----LM ----W	TECH LIGHTING (OR APPROVED OTHER)	DUOMO 700 SERIES	TYPE :20" DIA. PENDANT MOUNTING :SUSPENDED (VERIFY MNTG HT) HOUSING : LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER -- DIMMING	---- FINISH CLUBROOM
LF7	LED ----K 480LM 5W	BRENDAN RAVENHILL (OR APPROVED OTHER)	GRAIN PENDANT 13 SERIES	TYPE :PENDANT SCONCE MOUNTING :SURFACE--WALL (VERIFY MNTG HT) HOUSING :STEEL LENS/REFL :NA VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	---- FINISH CLUBROOM
LF8	LED 3000K ----LM 4W	WAC LIGHTING (OR APPROVED OTHER)	WL--LED300 SERIES	TYPE :STEP LIGHT MOUNTING :RECESSED HOUSING :ALUMINUM LENS/REFL :N/A VOLTAGE :120V BALLAST :LED DRIVER	---- FINISH CLUBROOM
LF9	LED 2700K 275LM 5W	ALLIED MAKER (OR APPROVED OTHER)	WAL--005	TYPE :SCONCE MOUNTING :SURFACE (VERIFY MNTG HT) HOUSING :STEEL LENS/REFL :GALSS VOLTAGE :120V BALLAST :LED DRIVER (0-10 DIMMING)	---- FINISH ADA COMPLIANT CLUBROOM

LIGHTING FIXTURE LIST -- TYPICAL LIVING UNITS					
TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
U1 ⑤	LED 650 LM 3000K 10W	LIGHTOLIER (OR APPROVED OTHER)	SSR SERIES	TYPE :5" DIA. DOWNLIGHT MOUNTING :SURFACE (J-BOX) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	---- FINISH UNIT KITCHEN, HALL
U2	LED 750 LUMEN 3000K (18W)	KUZCO LIGHTING (OR APPROVED OTHER)	FM3511 SERIES	TYPE :11" DIA. CEILING LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :GLASS VOLTAGE :120V BALLAST :LED DRIVER	---- FINISH UNIT DINING
U3	LED 3000K 200LM 5W	WAC LIGHTING (OR APPROVED OTHER)	HR--LED90 SERIES	TYPE :UNDER CABINET LIGHT MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :24V BALLAST :LED DRIVER (ELV DIMMING)	---- FINISH UNIT KITCHEN
U4	LED 2400LM 3000K 29W	KUZCO LIGHTING (OR APPROVED OTHER)	VL61224 SERIES	TYPE :24" VANITY LIGHT MOUNTING :SURFACE (+6" ABOVE MIRROR) HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER	---- FINISH UNIT BATHROOM
U5 ⑥	(1) 18W LED 1400LM/90CRI 3000K 35W	FANTIMATION (OR APPROVED OTHER)	HUGH 52 SERIES	TYPE :52" CEILING FAN W/ LIGHT KIT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LAMP W/INTEGRAL LED DRIVER	WHITE FINISH PROVIDE BRACING AT CEILING TO SUPPORT A MINIMUM OF 35 LBS. PROVIDE W/ MODEL #WC2WH CONTROL SWITCH UNIT BEDROOM

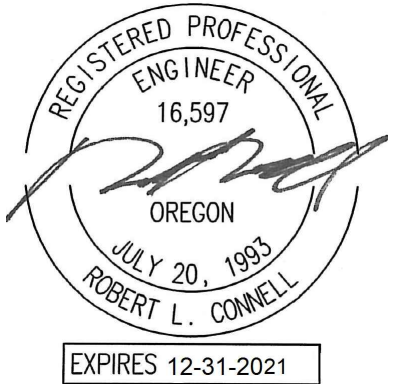
GENERAL NOTES:

- A. ALL LIGHT FIXTURES SHALL HAVE ENERGY EFFICIENT LAMPING AND BALLASTS.
- B. LIGHT FIXTURES FOR LIVING UNITS SHALL BE "ENERGY STAR" RATED.
- C. EXTERIOR LIGHT FIXTURES SHALL BE "NIGHT SKY" FRIENDLY.
- D. VERIFY ALL FIXTURE FINISHES WITH ARCHITECT PRIOR TO BID.
- E. VERIFY ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO BID.
- F. VERIFY ALL FIXTURE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH IN.
- G. ALL INTERIOR LIGHTING SHALL BE 3000 KELVIN UNLESS OTHERWISE NOTED.
- H. ALL PRODUCT SUBSTITUTIONS AND VALUE ENGINEERING SHALL BE SUBMITTED DURING BID PHASE, SHALL MEET DESIGN INTENT AND IS SUBJECT TO OWNER APPROVAL.
- I. CONTRACTOR SHALL CONSULT MANUFACTURER INSTALLATION INSTRUCTIONS FOR ALL FIXTURES AND DEVICES AND INSTALL AS INSTRUCTED. THIS INCLUDES ALL ELECTRICAL COMPONENTS REQUIRED FOR COMPLETE INSTALLATION. WORK SHALL BE PERFORMED SUCH THAT MANUFACTURER WARRANTY IS NOT VOIDED.
- J. THE ELECTRICAL CONTRACTOR SHALL CONSULT THE INTERIOR DESIGN PLAN SET FOR ALL FINISHES, MOUNTING HEIGHTS AND OTHER INSTALLATION REQUIREMENTS REGARDING THE "LF" LIGHT FIXTURES LISTED IN THE FIXTURE SCHEDULE ON THIS SHEET.
- K. IF NECESSARY, CONTRACTOR SHALL PROVIDE IC RATED BOXES FOR ANY APPROVED, SUBSTITUTED FIXTURES NOT MEETING INSULATED CEILING REQUIREMENTS.
- L. BUILDING MOUNTED EXTERIOR WALL SCONCES, TYPE S3b, TO BE CONTROLLED VIA PHOTOCELL AND BE PROVIDED WITH A TIME CLOCK TO REDUCE LIGHT OUTPUT BY 30% DURING LATE NIGHT TO REDUCE REFLECTANCE INTO TENANT LIVING UNITS. FIXTURES DESIGNATED TO BE EGRESS SHALL BE WIRED SUCH THAT IN THE EVENT OF A POWER OUTAGE, THE LIGHTS AUTOMATICALLY RETURN TO FULL OUTPUT. TIME CLOCK SETTINGS TO BE DETERMINED BY THE OWNER.

KEYED LIGHTING NOTES:

1. CONTRACTOR TO DETERMINE FIXTURE LENGTH BASED ON ARCHITECTURAL REFLECTED CEILING PLANS AND ELECTRICAL LIGHTING PLANS. DESIGN INTENT IS FOR THE FIXTURE TO RUN THE ENTIRE LENGTH OF THE "COVE" TO PROVIDE EVEN LIGHT DISTRIBUTION.
2. STAIRWELL AND BOH CORRIDOR LIGHT FIXTURES TO BE EQUIPPED WITH FACTORY INSTALLED (OR REMOTE) OCCUPANCY SENSORS FOR MIN. 50% LIGHT REDUCTION DURING PERIODS OF NO ACTIVITY.
3. MAXIMUM RUN LENGTH FOR SPECIFIED COVE LIGHT FIXTURE IS (186) 4FT UNITS. MULTIPLE RUNS SHALL BE CIRCUITED AS NOTED ON THE PLANS. CONTRACTOR SHALL PROVIDE THE APPROPRIATE MOUNTING AND CONNECTING HARDWARE PER MANUFACTURER'S REQUIREMENTS. CONSULT VENDOR FOR ADDITIONAL INSTALLATION INFORMATION.
4. CONTRACTOR TO PROVIDE ALL REQUIRED COMPONENTS FOR COMPLETE INSTALL. 24V FIXTURE TRANSFORMER/POWER SUPPLY TO BE LOCATED IN THE CABINET BELOW THE SHELVEING.
5. CONTRACTOR TO PROVIDE SINGLE POLE DIMMER SWITCHES AS INDICATED ON SHEETS E4.01--E4.03. DIMMER SWITCHES SHALL MATCH THE DECORATOR TYPE ROCKER SWITCH SPECIFIED IN THE TYPICAL UNIT LIGHTING PLANS OR AS DIRECTED BY THE OWNER. DIMMER SWITCHES SHALL BE COMPATIBLE WITH THE LED LIGHT FIXTURES AND SHALL BE FULLY ADJUSTABLE. CONTRACTOR SHALL FIELD ADJUST TO REDUCE ANY MOMENTARY FLASH DURING START UP.
6. PROVIDE BLOCKING AT CEILING TO SUPPORT 35LB., MINIMUM, FOR CEILING FAN INSTALLATION. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. PROVIDE FIXTURE CONTROL SWITCH(ES) AS DIRECTED BY MANUFACTURER.
7. PROVIDE WITH WEATHER PROOF J-BOX FOR SOIL CONTACT.
8. VERIFY MOUNTING HEIGHT OF FIXTURES IS NOT IN CONFLICT WITH ROOM EQUIPMENT.
9. BOLLARD LIGHTS ALONG THE BUILDING WALKWAYS SHALL BE INSTALLED SUCH THAT ANY PROJECTION FACES AWY FROM THE BUILDING.

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DOCUMENTS PREPARED BY THE ARCHITECTS
AND/OR THEIR CONSULTANTS, AND ANY COPY OF
THE DOCUMENTS TRANSMITTED BY MAIL, FAX,
ELECTRONICALLY OR OTHERWISE, THE ORIGINAL
SIGNED AND SEALED DOCUMENTS SHALL GOVERN.

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