

LIGHTING FIXTURE LIST					
TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
A1 A1E	LED 4260LM 4000K/80CRI 27.6W	LITHONIA (OR APPROVED EQUAL)	CLXL48SEF SERIES	TYPE :4FT GEN. PURPOSE STRIP MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	A1E WITH EMERGENCY BATTERY PACK PROVIDE W/ INTEGRAL OCC. SENSOR EQUIPMENT ROOMS
A2 A2E	LED 3800LM 4000K 32W	LITHONIA (OR APPROVED EQUAL)	FEML48 SERIES	TYPE :4' ENCLOSED STRIP MOUNTING :SURFACE HOUSING :FIBERGLASS LENS/REFL :POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER	A2E WITH EMERGENCY BATTERY PACK. PROVIDE W/ INTEGRAL OCC. SENSOR AT EA. LOCATION EXCEPT ELEVATOR PIT TRASH ROOM, ELEVATOR PIT
B1	LED 3000 LUMEN 3500K 20W	LITHONIA (OR APPROVED EQUAL)	CLX L48 SERIES	TYPE :4' LINEAR STRIP MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	PROVIDE WITH INTEGRAL OCCUPANCY SENSOR FOR 50% LIGHT REDUCTION DURING PERIODS OF UNDETECTED OCCUPANCY. STAIRWELLS
B2	LED 3000LM 3500K 20W	LITHONIA (OR APPROVED EQUAL)	CLX L48 SERIES	TYPE :LINEAR STRIP MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	 STORAGE, KITCHEN
B3	LED 890LM/FT 3000K 32W	NULITE (OR APPROVED EQUAL)	RP4 4 B09 SERIES REGOLO PRODUCT FAMILY	TYPE :4' DIRECT/INDIRECT MOUNTING :SUSPENDED HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	 COMPUTER RM, KITCHEN
B4	LED 724LM/FT ②3000K 40W	NULITE (OR APPROVED EQUAL)	RP4 4 B06 SERIES REGOLO PRODUCT FAMILY	TYPE :6' DIRECT/INDIRECT MOUNTING :SUSPENDED HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	 COMMUNITY ROOMS, LAUNDRY ROOM
B5	LED 724LM/FT 3000K 50W	NULITE (OR APPROVED EQUAL)	RP4 4 B06 SERIES REGOLO PRODUCT FAMILY	TYPE :8' DIRECT/INDIRECT MOUNTING :SUSPENDED HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	 COMMUNITY ROOMS
B6	LED 3300LM 3000K 30W	MARK LIGHTING (OR APPROVED EQUAL)	WHSPR SERIES	TYPE :2X2 TROFFER MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :ACRYLIC ANTI-GLARE VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	 OFFICES
C1	LED 1000LM 3000K 10W	LIGHTOLIER (OR APPROVED EQUAL)	L4R06 SERIES	TYPE :4" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :CLEAR DIFFUSE VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	UL LISTED FOR WET LOCATION FOR USE AT BUILDING ENTRIES. IC RATED FOR INTERIOR USE. CORRIDORS, OFFICE, COMMUNITY RMS
C2	LED 800LM 3000K 12W	LIGHTOLIER (OR APPROVED EQUAL)	L3RD SERIES	TYPE :3" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :CLEAR DIFFUSE VOLTAGE :MVOLT BALLAST :LED DRIVER	 BUILDING EXTERIOR
C3	LED 800LM 3000K 12W	LIGHTOLIER (OR APPROVED EQUAL)	L3RD SERIES	TYPE :3" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :CLEAR DIFFUSE VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	 CORRIDOR, LOBBY
C4	LED 2000LM 3000K 20W	LIGHTOLIER (OR APPROVED EQUAL)	L4RDL20 SERIES	TYPE :4" DIA. DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :CLEAR DIFFUSE VOLTAGE :MVOLT BALLAST :LED DRIVER (DIMMING)	IC RATED CORRIDORS
D1	LED 1900LM 3000K 34W	LITHONIA (OR APPROVED EQUAL)	FMVCL 36 SERIES	TYPE :VANITY LIGHT MOUNTING :SURFACE (6" ABOVE MIRROR) HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	 RESTROOMS
D2	LED 600LM (MAX.) 3000K 11W	ALPHABET LIGHTING (OR APPROVED EQUAL)	NU3RD SERIES	TYPE :3" DIA. SEMI-FLUSH DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	 APARTMENT UNIT ENTRIES
L1	LED 1500LM 3000K 110W	EUREKA LIGHTING (OR APPROVED EQUAL)	8200/8293 SERIES ARENA SLICE PRODUCT FAMILY	TYPE :36" DIA PENDANT MOUNTING :SUSPENDED HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	VERIFY MOUNTING HEIGHT W/ ARCHITECT INCLUDE (3) TOTAL SLICE 36 MAIN LOBBY
X1 X2	LED (RED) 2.5W	SURE-LITES LITHONIA (OR APPROVED EQUAL)	TPX SERIES LQC SERIES	TYPE :EXIT SIGN MOUNTING :UNIVERSAL HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :NICKLE CADMIUM BATTERY	SINGLE OR DOUBLE SIDED AS INDICATED.

LIGHTING FIXTURE LIST – TYPICAL LIVING UNITS					
TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
U1	LED 700LM/90CRI 3000K (10W)	LIGHTOLIER JUNO (OR APPROVED EQUAL)	SD5R SERIES J5F SERIES	TYPE :5" DIA. DOWNLIGHT MOUNTING :SURFACE (J-BOX) HOUSING :ALUMINUM LENS/REFL :MOLDED POLYMER VOLTAGE :MVOLT BALLAST :LED DRIVER (0–10 DIMMING)	UL LISTED FOR WET LOCATION IN UNIT BATHROOMS. UNIT KITCHEN, HALL, BATHROOM
U3	LED 836LM 3000K (9W)	EUREKA (OR APPROVED EQUAL)	MIKA 4230 SERIES	TYPE :PENDANT LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER (0–10 DIMMING)	FINISH PER ARCHITECT. UNIT DINING
U4	LED 1800LM 3000K (20W)	JUNO (OR APPROVED EQUAL)	J5F SERIES	TYPE :13" DIA. CEILING LIGHT MOUNTING :SURFACE HOUSING :STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER (0–10 DIMMING)	FINISH PER ARCHITECT. UNIT BEDROOM
U5	LED 1900LM 3000K (36W)	LITHONIA (OR APPROVED EQUAL)	FMVCL36 SERIES	TYPE :36" VANITY LIGHT MOUNTING :SURFACE (+6" ABOVE MIRROR) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER	 UNIT BATHROOM
U6	LED 1162LM 3000K (15W)	LITHONIA (OR APPROVED EQUAL)	UCEL SERIES	TYPE :36" UNDER CABINET MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :LED DRIVER	FIXTURE TO BE HARDWIRED W/ WALL SWITCH CONTROLS. UNIT KITCHEN

LIGHTING FIXTURE LIST – EXTERIOR					
TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
S1	LED 4000K 2700 LM 20W	LITHONIA (OR APPROVED EQUAL)	OLWX1 SERIES	TYPE :EXTERIOR WALL PACK MOUNTING :SURFACE (+8"–0" AFF) HOUSING :ALUMINUM LENS/REFL :POLYCARBONATE VOLTAGE :MVOLT BALLAST :LED DRIVER	UL LISTED WET LOCATION INTEGRAL PHOTOCELL BUILDING EXTERIOR
S2	LED 3500K 1300LM 19W	TERON LIGHTING (OR APPROVED EQUAL)	CRNM SERIES	TYPE :EXTERIOR WALL SCONCE (UP/DOWN) MOUNTING :SURFACE (+8"–0" AFF) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	UL LISTED WET LOCATION BUILDING EXTERIOR
S3	LED 3500K 1500 LM 18W	LITHONIA (OR APPROVED EQUAL)	LD4N 30/15 L04AR LD SERIES	TYPE :4" DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL : VOLTAGE :MVOLT BALLAST :LED DRIVER	UL LISTED WET LOCATION BUILDING EXTERIOR
S4 ③	LED 4000K 4250LM 38W	LITHONIA (OR APPROVED EQUAL)	DSX0 SERIES	TYPE :AREA LIGHT MOUNTING :POLE MOUNT (18"–0" POLE) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE III DISTRIBUTION INTEGRAL PHOTOCELL BI-LEVEL SWITCHED DIMMING NIGHT SKY FREINDLY WEST SERVICE AREA
S5	LED 4000K 1200LM 18W	ARCHITECTURAL AREA LIGHTING (OR APPROVED EQUAL)	SPECTRA SMALL SERIES	TYPE :POST TOP AREA LIGHT MOUNTING :12"–0" POLE HOUSING :ALUMINUM LENS/REFL :FROSTED ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE V DISTRIBUTION INTEGRAL PHOTOCELL BI-LEVEL SWITCHED DIMMING NIGHT SKY FREINDLY COURTYARD
S6 ③ ④	LED 4000K 11,995LM 97W	EATON/STREET WORKS (OR APPROVED EQUAL)	OVH LED E04 SERIES	TYPE :LED AREA LIGHT MOUNTING :POLE (+18FT) HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TYPE III DISTRIBUTION INTEGRAL PHOTOCELL BI-LEVEL SWITCHED DIMMING NIGHT SKY FREINDLY FINISH TO MATCH POLE WEST PARKING LOT
S7	LED 3500K 600LM/FT 6W/FT	KELVIX (OR APPROVED EQUAL)	ZOLO Z3 XX 6W 35K 30 GS SI CLASS 2 POWER SUPPLY	TYPE :LED WALL GLAZER MOUNTING :SURFACE (1" STAND OFF) HOUSING :ALUMINUM (FINISH PER ARCH) LENS/REFL :ACRYLIC VOLTAGE :24 VOLT BALLAST :LED DRIVER	CONTRACTOR TO COORDINATE INSTALLATION WITH ARCHITECT. VERIFY EXACT FIXTURE LENGTH & MOUNTING HEIGHT W/ ARCH UL LISTED WET LOCATION EXTERIOR SIGN LIGHTING
S8	LED 3500K 507LM/FT 2.6W/FT	KELVIX (OR APPROVED EQUAL)	PQ35K SERIES LED TAPE CH-045–R–E SERIES CHANNEL HLV192 SERIES POWER PACK	TYPE :LED TAPE LIGHT & CHANNEL MOUNTING :SURFACE HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :24 VOLT BALLAST :LED DRIVER	CONTRACTOR TO COORDINATE INSTALLATION WITH ARCHITECT. VERIFY EXACT FIXTURE LENGTH W/ ARCH ENTRY CANOPY
S9 ①	LED 3500K 3.5W	BEGA LIGHTING (OR APPROVED EQUAL)	77 263 SERIES	TYPE :PATHWAY BOLLARD MOUNTING :GROUND STAKE HOUSING :ALUMINUM LENS/REFL :SAFETY GLASS VOLTAGE :12V BALLAST :LED DRIVER	FINISH PER ARACHITECT. BUILDING LANDSCAPE
S10	LED 3000K 60W	HALOPHANE LIGHTING (OR APPROVED EQUAL)	WASHINGTON POSTLITE SERIES	TYPE :POSTTOP AREA LIGHT MOUNTING :POLE (+14"–0") HOUSING :ALUMINUM LENS/REFL :ACRYLIC VOLTAGE :240V BALLAST :LED DRIVER	FINISH, POLE HEIGHT & STYLE PER COUNTY STANDARD TYPE III DISTRIBUTION STREET LIGHT

GENERAL LIGHTING NOTES:

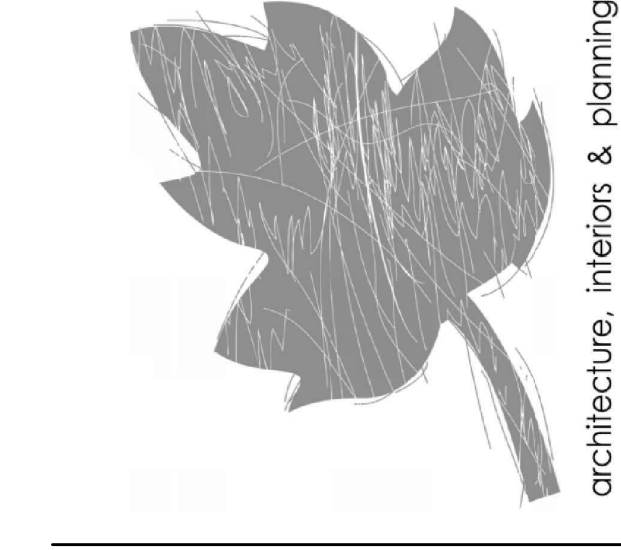
- A. ALL LIGHT FIXTURES SHALL HAVE ENERGY EFFICIENT LAMPING AND BALLASTS.
- B. LIGHT FIXTURES FOR LIVING UNITS SHALL BE "ENERGY STAR" RATED.
- C. VERIFY ALL FIXTURE FINISHES WITH ARCHITECT PRIOR TO BID. ^{RFI 92}
- D. VERIFY ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO BID.
- E. VERIFY ALL FIXTURE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH IN.
- F. ALL INTERIOR LIGHTING SHALL BE 3000 KELVIN UNLESS OTHERWISE NOTED.
- G. ALL PRODUCT SUBSTITUTIONS AND VALUE ENGINEERING SHALL BE SUBMITTED DURING BID PHASE, SHALL MEET DESIGN INTENT AND IS SUBJECT TO OWNER APPROVAL.
- H. EGRESS LIGHTING SHALL BE PROVIDED WITH EMERGENCY BATTERY BACKUP, EITHER INTEGRAL OR REMOTE AS REQUIRED.
- I. EGRESS LIGHTING IN CORRIDORS, STAIRWELLS AND OTHER COMMON AREAS SHALL BE PROVIDED TO MEET MINIMUM LIGHT LEVELS AS DESCRIBED PER OREGON STRUCTURAL SPECIALTY CODE 1006.3.
- J. BUILDING EXTERIOR LIGHTING SHALL BE CONTROLLED VIA ROOF MOUNTED PHOTOCELL FOR DUSK–TILL–DAWN OPERATION.
- K. CONTRACTOR SHALL PROVIDE ALL REQUIRED COMPONENTS FOR COMPLETE INSTALL PER MANUFACTURER'S SPECIFICATION FOR LOW VOLTAGE LIGHT FIXTURES.

KEYED LIGHTING NOTES:

- 1. ELECTRICAL CONTRACTOR TO PROVIDE ALL REQUIRED COMPONENTS FOR COMPLETE INSTALL. CONSULT ARCHITECTURAL AND/OR LANDSCAPE PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. COORDINATE INSTALLATION WITH LANDSCAPER. LANDSCAPE LIGHTING SHALL BE PROVIDED WITH PHOTOCELL, EITHER INTEGRAL OR REMOTE, FOR DUSK–TILL–DAWN OPERATION.
- 2. SUSPENDED LIGHT FIXTURES LOCATED IN THE LAUNDRY ROOM & BIKE STORAGE TO BE MOUNTED SUCH THAT THE BOTTOM FOR THE FIXTURE IS AT 9'–6" A.F.F.
- ③ ^{RFI 47} 3. PER LOCAL REQUIREMENTS, NEW POLE MOUNTED PARKING LOT LIGHT FIXTURES SHALL BE A MAXIMUM HEIGHT OF 18'–0" ABOVE GRADE.
- ④ ^{RFI 92} 4. PER COUNTRY AND TRIMET APPROVAL, SELECT EXISTING AND RELOCATED AREA LIGHT POLES IN THE EAST PARKING AREA SHALL BE 30'–0" TO MATCH EXISTING FIXTURES THAT ARE TO REMAIN UNCHANGED. REFER TO SHEET E1.01 FOR ADDITIONAL INFORMATION.

LIGHTING CONTROL DESIGN INTENT:

	DESCRIPTION
PARKING AREA	ALL SITE AREA LIGHT FIXTURES SHALL BE CONTROLLED VIA PHOTOCELL, EITHER INTEGRAL OR REMOTE, FOR DUST–TILL–DAWN OPERATION.
BUILDING EXTERIOR	ALL EXTERIOR BUILDING LIGHT FIXTURES SHALL BE CONTROLLED VIA ROOF MOUNTED PHOTOCELL FOR DUST–TILL–DAWN OPERATION.
STAIRWELLS	STAIRWELL LIGHTING TO BE CONTINUOUSLY "ON", WITH OCCUPANCY SENSORS (INTEGRAL OR CEILING MOUNT) TO PROVIDE 50% DIMMING DURING PERIODS OF IN ACTIVITY. OCCUPANCY SENSORS SHALL BE SET TO DIM NO LESS THAN 15 MINUTES ONCE THE AREA IS VACANT AND SHALL BE AT 100% OUTPUT IMMEDIATELY UPON OCCUPANT DETECTION.
CORRIDORS	THE CORRIDOR LIGHTING SHALL BE CONTROLLED VIA CEILING MOUNTED OCCUPANCY SENSORS TO PROVIDE 50% LIGHTING REDUCTION DURING PERIODS OF IN ACTIVITY. OCCUPANCY SENSORS SHALL BE SET TO DIM NO LESS THAN 30 MINUTES ONCE THE AREA IS VACANT AND SHALL BE AT 100% OUTPUT IMMEDIATELY UPON OCCUPANT DETECTION. EGRESS LIGHTS SHALL BE CONSTANT "ON".
MAIN LOBBY	DIGITAL LIGHTING CONTROLS FOR THE MAIN LOBBY SHALL BE LOCATED NEAR THE RECEPTION DESK. COORDINATE WITH INTERIOR DESIGNER FOR THE DESIGN INTENT OF THE LOBBY LIGHTING. EGRESS LIGHTING SHALL BE CONSTANT "ON" AND AT 100% OUTPUT IN THE EVENT OF POWER OUTAGE.
OFFICE AREAS, COMMUNITY SPACES & EQUIPMENT ROOMS	PROVIDE LOCAL LIGHTING CONTROLS AS INDICATED ON THE LIGHTING PLANS. EGRESS LIGHTING AND/OR NIGHT LIGHTING SHALL BE CONSTANT "ON" AND AT 100% OUTPUT IN THE EVENT OF POWER OUTAGE.



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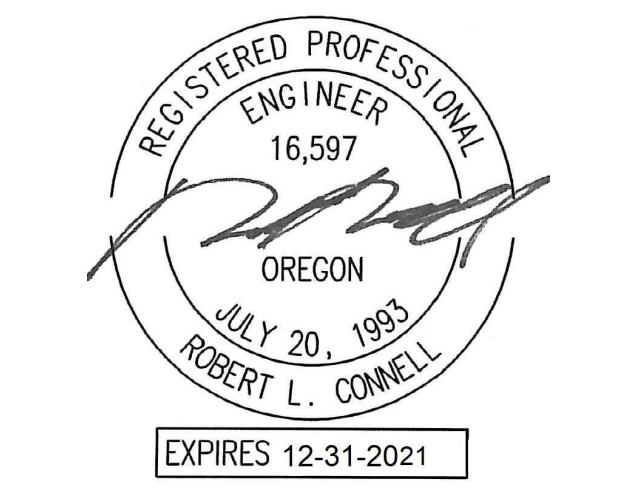
FULLER STATION HOUSING

PERMIT SET

DOCUMENTS

9608 SE Fuller Road

Clackamas County, Oregon, 97086



PERMIT SET		
PROJECT #:		1617.00
SHEET ISSUE DATE:		01/31/2020
REVISIONS:		
#	DESCRIPTION	DATE
1	COUNTY REVIEW	10.09.2020
	RESPONSES	
2	ADDENDUM #1	10.09.2020
6	ASI #01	03.05.2021
	RFI 42	02.20.2021
	RFI 68	08.10.2021
	RFI 92	09.10.2021
	RFI 42	09.30.2021
15	ASI #10	11.05.2021
	RFI 148	11.18.2021
	RFI 150	11.18.2021
	RFI 154	11.18.2021
	RFI 155	11.18.2021
17	ASI #12	12.06.2021
	RFI 170	12.06.2021

ELECTRICAL SCHEDULES

E1.21