

GENERAL LIGHTING INSTALLATION NOTES:

- L1. REFER TO ELECTRICAL SPECIFICATIONS FOR FLUORESCENT LAMP COLOR AND BALLAST TYPE.
- L2. REFER TO LIGHTING FIXTURE DETAILS DRAWING 1-E4 FOR VISUAL REPRESENTATION OF FIXTURES.
- L3. CONTRACTOR SHALL COORDINATE LIGHTING FIXTURE TYPE (GRID OR FLANGE) WITH ACTUAL CEILING TYPE PRIOR TO ORDERING FIXTURES. CONTACT ENGINEER IF QUESTIONS SHOULD ARISE CONCERNING CEILING TYPES.
- L4. CONTRACTOR SHALL VERIFY ALL BALLAST QUANTITIES WITH SWITCHING SHOWN ON PLANS PRIOR TO ORDERING FIXTURES. ADJUST BALLAST QUANTITIES AS REQUIRED TO MATCH SWITCHING.
- L5. VERIFY LIGHTING CIRCUIT VOLTAGE (277V-1Ø OR 120V-1Ø) PRIOR TO ORDERING LIGHTING FIXTURES OR STARTING ROUGH-IN OF BRANCH CIRCUITS. IMMEDIATELY CONTACT ENGINEER WITH ANY DISCREPANCIES; CONTRACTOR IS RESPONSIBLE FOR ORDERING THE PROPER VOLTAGE FOR LIGHTING FIXTURES, REGARDLESS OF VOLTAGE SHOWN ON LIGHTING FIXTURE SCHEDULE.
- L6. CONTRACTOR SHALL VERIFY ALL FIXTURES TO BE CONTROLLED BY DIMMER SWITCHES AS SHOWN ON PLANS PRIOR TO ORDERING FIXTURES. PROVIDE ARCHITECTURAL DIMMING BALLASTS (FLUORESCENT) OR DRIVER (LED) WITH DIMMING RANGE FROM AS SHOWN TABLE ABOVE, AND COMPATIBLE DIMMER CONTROLS WHERE DIMMING IS INDICATED ON PLANS.
- L7. PROVIDE 100 HOURS BURN-IN TIME AT FULL BRIGHTNESS FOR ALL LAMPS IN DIMMED FLUORESCENT LIGHTING FIXTURES.
- L8. PROVIDE DISCONNECTING MEANS FOR ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLAST(S) THAT CAN BE SERVICED IN PLACE. THE DISCONNECTING MEANS SHALL BE ACCESSIBLE AND SHALL SIMULTANEOUSLY BREAK ALL THE SUPPLY CONDUCTORS TO THE BALLAST (INCLUDING THE GROUNDED CONDUCTOR).
- L9. REFER TO ELECTRICAL SPECIFICATIONS FOR LED COLOR TEMPERATURE AND DRIVER TYPE.
- L10. LINEAR FLUORESCENT LAMPS SHALL HAVE A CRI OF 82 OR GREATER.
- L11. COMPACT FLUORESCENT LAMPS SHALL HAVE A CRI OF 80 OR GREATER.
- L12. SUBMIT LAMP AND BALLAST CUT SHEETS WITH SHOP DRAWINGS FOR REVIEW.
- L13. REFER TO LIGHTING FIXTURE DETAILS DRAWING FOR REPRESENTATION OF FIXTURE STYLE.
- L14. LED FIXTURES MAY HAVE A COLOR TEMPERATURE FROM 4000-4200.

BALLAST/DRIVER ABBREVIATIONS

LF BALLAST - LINEAR FLUORESCENT LAMP BALLAST
CF BALLAST - COMPACT FLUORESCENT LAMP BALLAST
LED DRIVER - LIGHT-EMITTING DIODE DRIVER WITH 100% DOWN TO 10% (OR LOWER) LOW-VOLTAGE DIMMING
DIMMING LF BALLAST - DIMMING LINEAR FLUORESCENT LAMP BALLAST 100% DOWN TO 5% (OR LOWER) OR AS NOTED.
DIMMING ADDRESS LF BALLAST - ADDRESSABLE DIMMING BALLAST 100% DOWN TO 5% (OR LOWER). MUST BE COMPATIBLE WITH OTHER ADVANCE LIGHTING CONTROLS - SEE ELECTRICAL LEGEND FOR ADDITIONAL WORK REQUIREMENTS.
DIMMING CF BALLAST - DIMMING COMPACT FLUORESCENT LAMP BALLAST
DIMMING LED DRIVER - DIMMING LIGHT-EMITTING DIODE DRIVER WITH 100% DOWN TO 1% DIMMING
120-277V - MULTI-VOLTAGE BALLAST DETECTS INCOMING VOLTAGE AND ADAPTS AUTOMATICALLY

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LOCATION	MOUNTING	LAMP INFORMATION				BALLAST/DRIVER INFORMATION			MANUFACTURER/NOTES
				QUANTITY	WATTS	TYPE	COLOR TEMP.	QUANTITY	TYPE	VOLTAGE	
⓪	LED LIGHTING FIXTURE, 2' x 2' x 3-1/4"H. DUAL LUMINOUS PANEL OPTICAL SYSTEM WITH UNLIT CENTER, HIGH OPTICAL GRADE ACRYLIC LENS, PLANAR LIGHT GUIDE TECHNOLOGY UTILIZING EDGE-LIT PANELS, EXTRUDED ALUMINUM FRAME, L85 RATING OF AT LEAST 60,000 HOURS, MINIMUM 3400 LUMENS, 96 LUMENS PER WATT EFFICACY, HIGH REFLECTANCE BAKED MATTE WHITE ENAMEL FINISH, FUSING.	CORRIDOR/OFFICE	LAY-IN GRID	1	25.5W	LED	4100°K	1	0-10V DIMMING DRIVER	120-277V	-
⓪	LED LIGHTING FIXTURE, 2' x 4' x 3-1/2" MAX HEIGHT RECESSED TROFFER, ACRYLIC K-19 LENS (.156" THICKNESS), FLAT WHITE STEEL DOOR FRAME, DIE FORMED STEEL RIGID HOUSING, 4800 MINIMUM DELIVERED LUMENS, MINIMUM OF 99 LUMEN PER WATT EFFICACY, AUXILIARY FIXTURE END SUSPENSION POINTS, FUSING, PAINT AFTER FABRICATION.	VARIOUS	LAY-IN GRID	1	50W MAX SYSTEM INPUT	LED	4100°K	1	LED DRIVER	120-277V	-
⓪	LED LIGHTING FIXTURE, 2' x 4' x 3-1/4"H. DUAL LUMINOUS PANEL OPTICAL SYSTEM WITH UNLIT CENTER, HIGH OPTICAL GRADE ACRYLIC LENS, PLANAR LIGHT GUIDE TECHNOLOGY UTILIZING EDGE-LIT PANELS, EXTRUDED ALUMINUM FRAME, L85 RATING OF AT LEAST 60,000 HOURS, MINIMUM 3400 LUMENS, 96 LUMENS PER WATT EFFICACY, HIGH REFLECTANCE BAKED MATTE WHITE ENAMEL FINISH, FUSING.	VARIOUS	LAY-IN GRID	1	54W	LED	4100°K	1	0-10V DIMMING DRIVER	120-277V	-
⓪	LED LIGHTING FIXTURE - 6" DIA. X 7" MAX HEIGHT RECESSED DOWNLIGHT, 1500 MINIMUM LUMENS, ALZAK SEMI-SPECULAR CLEAR REFLECTOR AND WHITE POLYMER TRIM, LED LIGHT BAR AND DRIVER ACCESSIBLE FROM BELOW THROUGH FIXTURE, CONVEX TRANSITIONAL LENS.	VARIOUS	LAY-IN GRID	1	23W MAX SYSTEM INPUT	LED	4100°K	1	LED DRIVER	277V	-
⓪	LED LIGHTING FIXTURE, 2' x 4' x 3-1/2" MAX HEIGHT RECESSED TROFFER, ACRYLIC K-19 LENS (.156" THICKNESS), FLAT WHITE STEEL DOOR FRAME, DIE FORMED STEEL RIGID HOUSING, 6500 MINIMUM DELIVERED LUMENS, MINIMUM OF 96 LUMEN PER WATT EFFICACY, AUXILIARY FIXTURE END SUSPENSION POINTS, FUSING, PAINT AFTER FABRICATION.	HOT LAB	LAY-IN GRID	1	65W MAX SYSTEM INPUT	LED	4100°K	1	0-10V DIMMING DRIVER	120-277V	-
⓪	LED LIGHTING FIXTURE - 23.5"Lx2-1/4"Hx3"D ARCHITECTURAL WALL MOUNTED VANITY WITH MATTE WHITE INNER DIFFUSER AND CLEAR ACRYLIC DIFFUSER, STEEL HOUSING W/ MATTE SILVER POWDER COAT FINISH, 2028 LUMEN OUTPUT.	BATHROOM	WALL MOUNT AT 8'-0" AFF	1	20W MAX SYSTEM INPUT	LED	4100°K	1	LED	120-277V	-
⓪	LED LIGHTING FIXTURE, 7" x 4' x 6" MAX HEIGHT VAPORLUME FIXTURE, 5680 MINIMUM LUMEN OUTPUT, WIDE DISTRIBUTION, FUSING, WHITE MOLDED FIBERGLASS REINFORCED POLYESTER BODY, HIGH IMPACT ACRYLIC MOLDED LENS, GASKET, LISTED FOR WET LOCATION, STAINLESS STEEL MOUNTING BRACKETS.	MECH/ELEC ROOMS	MOUNT ON UNISTRUT SUSPENDED FROM CEILING AT 8'-6" AFF TO BOTTOM OF FIXTURE	1	72W MAX SYSTEM INPUT	LED	4000°K	1	LF BALLAST	120-277V	-
⓪	LED LIGHTING FIXTURE, 2' x 2' x 3-1/4"H. DUAL LUMINOUS PANEL OPTICAL SYSTEM WITH UNLIT CENTER, HIGH OPTICAL GRADE ACRYLIC LENS, PLANAR LIGHT GUIDE TECHNOLOGY UTILIZING EDGE-LIT PANELS, EXTRUDED ALUMINUM FRAME, L85 RATING OF AT LEAST 60,000 HOURS, MINIMUM 3400 LUMENS, 96 LUMENS PER WATT EFFICACY, HIGH REFLECTANCE BAKED MATTE WHITE ENAMEL FINISH, FUSING.	VARIOUS	LAY-IN GRID	1	35W	LED	4100°K	1	0-10V DIMMING DRIVER	120-277V	-
⓪	LED LIGHTING FIXTURE - 2-0'Lx5-3-1/2"Hx7-1/2"D WALL MOUNTED LENSED STRIPLIGHT FIXTURE WITH CLEAR LENS, FUSING, PAINTED AFTER FABRICATION, MATTE WHITE ENAMEL FINISH, MINIMUM 65,000 HOUR L70, MINIMUM OF 2300 LUMEN OUTPUT, MINIMUM OF 98 LUMENS PER WATT EFFICACY.	STORAGE	WALL MOUNT ABOVE DOOR	1	17W	LED	4100°K	1	LF BALLAST	120-277V	-
⓪	LED LIGHTING FIXTURE - 6" DIA. X 7" MAX HEIGHT RECESSED DOWNLIGHT, 2000 MINIMUM LUMENS, SEMI-SPECULAR CLEAR REFLECTOR AND WHITE POLYMER TRIM, LED LIGHT BAR AND DRIVER ACCESSIBLE FROM BELOW THROUGH FIXTURE, WIDE-THROW CONVEX TRANSITIONAL LENS.	EXAM	LAY-IN GRID	1	32W MAX SYSTEM INPUT	LED	4100°K	1	DIMMING LED DRIVER	277V	-
⓪	LED LIGHTING FIXTURE - 4" DIA. X 7" MAX HEIGHT RECESSED DOWNLIGHT, 1200 MINIMUM LUMENS, SEMI-SPECULAR CLEAR REFLECTOR AND WHITE POLYMER TRIM, LED LIGHT BAR AND DRIVER ACCESSIBLE FROM BELOW THROUGH FIXTURE, CONVEX TRANSITIONAL LENS.	VARIOUS	-	1	22W MAX SYSTEM INPUT	LED	4100°K	1	LED DRIVER	277V	-
⓪	LED LIGHTING FIXTURE - 6"W X 5" MAX HEIGHT X 4'-0" LENGTH ON DRAWINGS, MATTE SATIN WHITE FINISH, FLUSH FROSTED LENS, L85 RATING AT 50,000 HOURS, MINIMUM OF 2400 DELIVERED LUMENS, COMPATIBLE WITH SPECIALTY GRID SYSTEM - COORDINATE WITH GC.	WAITING	SPECIALTY GRID SYSTEM	1	31W MAX SYSTEM INPUT	LED	4100°K	1	0-10V DIMMING DRIVER	277V	-
⓪	LED LIGHTING FIXTURE - 7"W X 7.25"H X CUSTOM LENGTH ON DRAWINGS, 3.75" APERTURE PERIMETER WALL GRAZE LIGHTING FIXTURE, ADJUSTABLE 30 DEGREES TO GRAZE PEAK CANDELA DOWN WALL. MOUNT FIXTURE TO CEILING AND WALL. PROVIDE CONTINUOUS ROW LENGTH AS INDICATED ON DRAWINGS.	WAITING	DRYWALL CEILING AND WALL	1	7.6W/FT	LED	4100°K	1	0-10V DIMMING DRIVER	277V	-
⓪	FLUORESCENT LIGHTING FIXTURE - 7"W X 3"H X 92.5"L COVE LIGHTING FIXTURE, ADJUSTABLE ASYMMETRIC SPECULAR ALUMINUM REFLECTOR, LIGHTING FIXTURE MOUNTS IN PREFABRICATED EXTRUDED ALUMINUM COVE FRAME SYSTEM AND CYSUM BOARD FASTENS DIRECTLY TO FRAME. GC SHALL INSTALL COVE FRAME SYSTEM FOR VERTICAL OR HORIZONTAL ILLUMINATION AS INDICATED ON ARCHITECTURAL SECTIONS. PROVIDE CONTINUOUS ROW LENGTH AS INDICATED ON DRAWINGS.	CORRIDOR	COVE	2	54	T5HO	4100°K	1	LF BALLAST	277V	-
⓪	EXIT SIGN - LED TYPE, AC ONLY, SINGLE OR DOUBLE FACE, UNIVERSAL MOUNTING, DIE CAST ALUMINUM HOUSING WITH WHITE BODY, WHITE FACE AND RED STENCIL LETTERS. CONNECT TO EMERGENCY LIFE SAFETY CIRCUIT AHEAD OF LOCAL SWITCHING. UL 924 LISTED, UL DAMP LOCATION, UL LISTED FOR 2C.	VARIOUS	-	-	LESS THAN 2W	LED	-	-	-	120-277V	-
⓪	L.E.D. WARNING LIGHT - 120/277V DUAL VOLTAGE INPUT, LED TYPE, AC ONLY, UNIVERSAL MOUNTING, SINGLE FACE, DIECAST ALUMINUM HOUSING WITH WHITE FINISH, RED STENCIL LETTERS ON WHITE FACE - "ROOM IN USE".	VARIOUS	-	1	-	LED	-	-	-	120-277V	-
⓪	FLUORESCENT LIGHTING FIXTURE - 8" DIA. X 7" MAX HEIGHT RECESSED DOWNLIGHT, SELF FLANGED, SEMI-SPECULAR CLEAR REFLECTOR. MATCH EXISTING DOWNLIGHTS IN CORRIDOR.	EXAM	LAY-IN GRID	1	32W	TRT	3500°K	1	ELECTRONIC BALLAST	277V	-

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