

1. LIGHTING SHALL BE CIRCUITED EXACTLY AS SHOWN ON PLANS. CIRCUITING SHALL BE "THRU-WIRING" WHERE AND WHENEVER POSSIBLE. MULTIPLE CONNECTIONS TO A SINGLE LIGHT FIXTURE FOR VOLTAGE DROP CONDITIONS OR AS A RESULT OF A FIELD CONDITION ARE ACCEPTABLE. LIGHT FIXTURES SHALL BE MANUFACTURED TO ACCOMMODATE "THRU-WIRING". ANY RELATED COSTS FOR MULTIPLE CONNECTIONS SHOULD BE INCLUDED IN BID.

2. ELECTRICAL CONTRACTOR'S BID SHALL INCLUDE THE INSTALLATION OF ALL LIGHT FIXTURES AND ASSOCIATED LAMPS FURNISHED BY L&D&C. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THE ADJUSTABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND AIM THEM PER GC DIRECTION. LIGHT FIXTURE SPECIFICATIONS MAY VARY. IF THIS IS THE CASE, CONTRACTOR IS TO CALL L&D&C PURCHASING AGENT WHO WILL THEN CALL THE DISTRIBUTOR FOR EXACT SPECIFICATION OF LIGHTING FIXTURES. IF THE CEILING SYSTEMS ARE FIRE RATED, ELECTRICAL CONTRACTOR IS TO CLOSELY COORDINATE FIXTURE REQUIREMENTS WITH L&D&C.

3. EMERGENCY AND EXIT LIGHTS SHALL BE INSTALLED AND CIRCUITED PER LOCAL AND LATEST NATIONAL ELECTRICAL CODES. ALL EMERGENCY AND EXIT FIXTURES SHALL BE DUAL VOLTAGE WITH BATTERY BACK UP (120/277 VOLT INPUT). INSTALL A CENTRAL BATTERY SYSTEM WHERE THE USE OF INDIVIDUAL BATTERY UNITS ARE PROHIBITED BY LOCAL CODES. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT L&D&C PROJECT MANAGER FOR DIRECTION.
4. ALL LIGHTING CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. ALL LIGHTING CIRCUITS FROM 100'-1" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. ALL LIGHTING CIRCUITS 150'-01" UP TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. CIRCUITS ABOVE 251'-0" SHALL UTILIZE #6 CONDUCTORS MINIMUM.

5. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.

6. EXIT/EMERGENCY LIGHTS AT STOREFRONT ARE TO BE CEILING MOUNTED AND CENTERED OVER OPENING. EXIT/EMERGENCY LIGHTS AT DOOR TO NON-SALES SHALL BE CEILING MOUNTED AND CENTERED ABOVE DOOR. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT THE L&D&C PROJECT MANAGER FOR DIRECTION.

7. IT WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO UNLOAD INVENTORY AND STORE LIGHTING PACKAGE. THE ELECTRICAL CONTRACTOR WILL ALSO SHIP ANY EXCESS MATERIALS BACK TO THE ELECTRICAL PACKAGE DISTRIBUTOR.
8. ELECTRICAL CONTRACTOR SHALL REFER BACK TO ARCHITECTURAL SHEETS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED EMERGENCY EGRESS AND EXIT FIXTURES. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT L&D&C PROJECT MANAGER FOR DIRECTION.

9. REFER TO ARCHITECTURAL DRAWINGS FOR COORDINATION AND EXACT LOCATION OF EXIT SIGNS, EMERGENCY LIGHTING FIXTURES, SPEAKERS, DIFFUSERS, AND OTHER ARCHITECTURAL ELEMENTS.

10. THE ELECTRICAL CONTRACTOR MUST INCLUDE IN THE BID TWO (2) HOURS OF START-UP TIME FOR THE LIGHTING CONTROL SYSTEM. THE ELECTRICAL CONTRACTOR WILL BE REQUIRED TO REPAIR OR REPLACE COMPONENTS FOUND TO BE DEFECTIVE. THE ELECTRICAL CONTRACTOR MUST COORDINATE LIGHTING CONTROL START-UP WITH BAS SUPPLIER REPRESENTATIVE. FAILURE TO DO SO MAY REQUIRE THE ELECTRICAL CONTRACTOR TO RETURN TO THE JOB SITE TO PERFORM START-UP AT A FUTURE DATE AT THE ELECTRICAL CONTRACTOR'S OWN EXPENSE.

11. ALL APPURTENANCES PROVIDED WITH LIGHT FIXTURES, OR TRACK, ETC. POLARITY REVERSING ENDS, SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

LIGHTING PLAN CONSTRUCTION NOTES

SYMBOL		DESCRIPTION	MANUFACTURER & MODEL NUMBER	LAMP	WATTAGE	SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBER	LAMP	WATTAGE
AL	6"	RECESSED HORIZONTAL LAMP CFL DOWNLIGHT, MATTE FINISH, CLEAR CONE, ELECTRONIC BALLAST, SELF FLANGED REFLECTOR	JUNO: CDM-126/32T-C650-CS LIGHTOLIER-CALCULITE: 8831CCDP_8152BU	32 WATT, T4, 4PIN GX240-3 BASE, TRIPLE COMPACT FLUORESCENT, 2700K, 82CRI, 16,000 HRS.	36 WATTS	PJ	FITTING ROOM PENDANT, CFL WITH 12" CHAIN ANTIQUE BRASS FINISH WITH WHITE CURVED BOTTOM GLASS SHADE; 24" TALL OVERALL 13 WATT MAX LABEL	OLDE GOOD TH INGS: ID# F117140	13 WATT MEDIUM BASE TWISTER LAMP COMPACT FLUORESCENT, 3000K 12,000 HRS, 82CRI	13 WATTS
AM	6"	RECESSED HORIZONTAL LAMP CFL DOWNLIGHT, MATTE FINISH, CLEAR CONE, ELECTRONIC BALLAST, SELF FLANGED REFLECTOR, EM BALLAST W/ TEST SWITCH INSTALLED IN TRIM	JUNO: CDM-126/32T-BN-C650-CS-BN LIGHTOLIER: 8831CCDP_8152BU344E	32 WATT, T4, 4PIN GX240-3 BASE, TRIPLE COMPACT FLUORESCENT, 2700K, 82CRI, 16,000 HRS.	36 WATTS	PK	35" LINEAR T5 WHITE FINISH UNDERSHELF TASK LIGHT, STANDARD UL/CUL CODES, NORMAL BALLAST FACTOR, WITH NO DIMMER AND ATTACHMENT BRACKET FOR C-STYLE STORAGE. 3500K LAMPS PROVIDED / MAINTAIN WITH 3000K STANDARD T5 LAMPS.	BY OSM PROVIDER HERMAN MILLER: 6611-4-42-E-N-Q-91	21 WATT, T5, MINATURE BI-PIN BASE, PROGRAMMED START LINEAR FLUORESCENT, 3000K, 85 CRI, 20,000 HRS.	21 WATTS
E8	EXTERIOR 11"x12"x7.87"	MEDIUM CURVED COMPACT FLUORESCENT WALL LIGHT 2 LAMP BRONZE FINISH WITH FIELD INSTALLED PHOTO CELL AND EM BALLAST	BROCK: CSWP-MD-CF232-BZ BROCK: CSWP-MD-PC1 (PHOTOCELL) BROCK: CSWP-EM (EM BALLAST)	32 WATT, T4, GX240-3 BASE, TRIPLE COMPACT FLUORESCENT, 3000K, 82CRI, 16000 HRS.	64 WATTS	PL	FITTING ROOM & CASHWRAP PENDANT, CFL WITH 4' FIELD CUTTABLE CHAIN ANTIQUE BRASS FINISH WITH WHITE CURVED BOTTOM GLASS SHADE	HI-LITES: H-783218-889-OPF/D-4'-4"-STC-3-889	13 WATT MEDIUM BASE TWISTER LAMP COMPACT FLUORESCENT, 3000K 12,000 HRS, 82CRI	13 WATTS
ET	2 LIGHT LED SEMI RECESSED FIXTURE, WHITE FINISH, WITH 15 DEGREE OPTIC, 20 DEGREE LUMINAT AND HEXCELL LOUVER (35 DEGREE)	AMERLUX: HORNET-HP-R/SR-FRAME-2-LED-120/HORNET-HP-SR-TRIM-2-18-LED-E-WT-120-FL-FL-WT-3000-HEX	18 WATT INTEGRAL 3000K PHILIPS LUMILED 85 CRI 50,000 HR	36 WATTS	SL	PINK ARMOIRE FIXTURE (2) 7w 22.24", (3) 11w 33.93" 3000K LINKABLE LED STICK LIGHTS WITH 90 DEGREE BEAM ANGLE ALUMINIUM FINISH. 45DEG MOUNTING CLIPS (2) PER FIXTURE, (2) POWERFEED CONNECTORS, (1) 75 WATT PLUG AND 8' CORD POWER SUPPLY, (1) 6" CONNECTING CABLE, (2) CONNECTOR CLIPS	FEELUX: DIVA 2 (2) NDVVT3300K24, (3) NDV11T3300K24 (1) NDVPTC(6") , (2) NDVPC (10) NDV-BRACKET2, (2) NDV-BRACKET3 (2) NDV-CAP, (1) FLCT5-24V/1	3.5 WATT/FT INTEGRAL 3000K 80 CRI 40,000 HR	75 WATTS	
EU	2 LIGHT LED SEMI RECESSED FIXTURE, WHITE FINISH, W/ 15 DEGREE OPTIC,20 DEGREE LUMINAT, HEXCELL LOUVER AND 1" SMOOT (35 DEGREE)	AMERLUX: HORNET-HP-R/SR-FRAME-2-LED-120/HORNET-HP-SR-TRIM-2-18-LED-E-WT-120-FL-FL-WT-3000-HEX-SNAH	18 WATT INTEGRAL 3000K PHILIPS LUMILED 85 CRI 50,000 HR	36 WATTS	SO	PINK OUTFITTING CENTER (1) 11w 33.93" (1) 3w 7.59" 3000K LINKABLE LED STICK LIGHTS WITH 90 DEGREE BEAM ANGLE ALUMINIUM FINISH. 45DEG MOUNTING CLIPS (2) PER FIXTURE, (1) POWERFEED CONNECTORS, (1) 60W DC HARDWIRED POWER SUPPLY, (1) DISTRIBUTOR (1) CONNECTOR CLIPS (1) INLINE DIMMER SWITCH	FEELUX: DIVA 2 (1) NDVVT3300K24, (1) NDV11T3300K24 (1) NDVPC, (4) NDV-BRACKET2 (1) NDV-BRACKET3, (1) NDV-CAP (1) QTRAM: Q65-60DC-120/24-1X2.5 (1) NDVDM	3.5 WATT/FT INTEGRAL 3000K 80 CRI 40,000 HR	75 WATTS	
EX	3 LIGHT LED SEMI RECESSED FIXTURE, WHITE FINISH, W/ 15 DEGREE OPTIC,20 DEGREE LUMINAT, HEXCELL LOUVER AND 1" SMOOT (35 DEGREE)	AMERLUX: HORNET-HP-R/SR-FRAME-3-LED-120/HORNET-HP-SR-TRIM-3-18-LED-E-WT-120-FL-FL-FL-WT-3000-HEX-SNAH	18 WATT INTEGRAL 3000K PHILIPS LUMILED 85 CRI 50,000 HR	54 WATTS	TE	HORIZONTAL LED TRACK FIXTURE, WHITE FINISH, W/ 15 DEGREE OPTIC, 20 DEGREE LUMINAT (35 DEGREE)	AMERLUX:HORNET-HP-H-18-LED-E-WT-CTW-120-FL-3000	18 WATT INTEGRAL 3000K PHILIPS LUMILED 85 CRI 50,000 HR	18 WATTS	
EY	4 LIGHT LED SEMI RECESSED FIXTURE, WHITE FINISH, W/ 15 DEGREE OPTIC,20 DEGREE LUMINAT, HEXCELL LOUVER AND 1" SMOOT (35 DEGREE)	AMERLUX: HORNET-HP-R/SR-FRAME-4-LED-120/HORNET-HP-SR-TRIM-4-18-LED-E-WT-120-FL-FL-FL-FL-WT-3000-HEX-SNAH	18 WATT INTEGRAL 3000K PHILIPS LUMILED 85 CRI 50,000 HR	72 WATTS	TF	HORIZONTAL LED TRACK FIXTURE, WHITE FINISH, W/ 15 DEGREE OPTIC, 20 DEGREE LUMINAT, SMOOT AND HEXCELL LOUVER (35 DEGREE)	AMERLUX:HORNET-HP-H-18-LED-E-WT-CTW-120-FL-3000-SNAH-HEX	18 WATT INTEGRAL 3000K PHILIPS LUMILED 85 CRI 50,000 HR	18 WATTS	
FG	4' SURFACE MOUNTED BARE LAMP T8 FLUORESCENT STRIP, ELECTRONIC BALLAST, 1 LAMP IN SECTION, WITH EMERGENCY PACK, WIRE GUARD.	MERCURY: MM-132-OCT-C-ELB-120V-EMPK-WG-MM-132	32 WATT, T8, MEDIUM BI-PIN BASE, LINEAR FLUORESCENT, 3000K, 82CRI, 20,000 HRS.	32 WATTS	TL	HORIZONTAL LED TRACK FIXTURE, WHITE FINISH, WITH 15 DEGREE OPTIC AND HEXCELL LOUVER (15 DEGREE)	AMERLUX:HORNET-HP-H-18-LED-E-WT-CTW-120-SF-3000-HEX	18 WATT INTEGRAL 3000K PHILIPS LUMILED 85 CRI 50,000 HR	18 WATTS	
FR	4' SURFACE MOUNTED BARE LAMP T8 FLUORESCENT STRIP, ELECTRONIC BALLAST, 1 LAMP IN SECTION WIRE GUARD	MERCURY: MM-132-OCT-C-ELB-120V, WS-MM-132	32 WATT, T8, MEDIUM BI-PIN BASE, LINEAR FLUORESCENT, 3000K, 82CRI, 20,000 HRS.	32 WATTS	TS	SURFACE MOUNTED SINGLE CIRCUIT TRACK, MATTE WHITE FINISH	CON-TECH: LT2P, LT4P, LT8P, LT8P_06 FINISH:EL	-	-	
GB	3 1/2" RECESSED 24 DEGREE 3000K LED MR16 ELECTRONIC GEAR-DRIVEN ADJUSTABLE DOWNLIGHT, SELF FLANGE WHITE TRIM, CLEAR CONE. 15 WATT MAX LABEL	IRIS-PN3MR-E3SL0T-MW-SFWF	7 WATT DIMMABLE LED MR16 GU5.3 BASE 3000K 25 DEGREE BEAM 25,000 HR	7 WATTS	W5	BRONZE SCOCNE 5" WIDE X 11" HEIGHT X 9" EXTENSION (1) LIGHT SCOCNE WITH ROUND DISC BACKPLATE, METAL CANDLE NON TILT OFF WHITE LINEN SHADE. ANTIQUE BRONZE FINISH NO LACQUER	HI-LITE: H-993783-B-89-OW	LED CANDELABRA BASE CLEAR LAMP WARM WHITE 25,000 HRS. 80 CRI	4 WATTS	
GD	3 1/2" RECESSED 24 DEGREE 3000K LED MR16 DOWNLIGHT, SELF FLANGE WHITE TRIM, CLEAR CONE 15 WATT MAX LABEL	IRIS-PN3MR-E3MR-MW-SFWF	7 WATT DIMMABLE LED MR16 GU5.3 BASE 3000K 25 DEGREE BEAM 25,000 HR	7 WATTS	WC1	ONE LIGHT DECORATIVE SCOCNE IN POLISHED NICKEL FINISH & CUSTOM HOT PINK RIBBON SHADE	CIRCA: DEAN SINGLE ARM SCOCNE W/ POLISHED NICKEL FINISH ITEM# J45000PM-WP HEIGHT: 12 3/4" ; WIDTH: 8 1/4" BACKPLATE: 3 1/2" X 4 1/2" DEPTH: 10 1/4"	20 WATT, A19, MEDIUM BASE, CFL, 2700K, 82CRI 10,000HRS	20 WATTS	
H4	2' LINEAR LOW PROFILE T8 FLUORESCENT INTEGRAL BALLAST, WHITE FINISH	BARTCO: BEL255-17-120	17WATT, T8, MEDIUM BI-PIN BASE, LINEAR FLUORESCENT, 3000K, 82CRI, 20,000 HRS.	17 WATTS	XC	SINGLE FACE ADJUSTABLE RECESSED OR WALL MOUNT LED EDGE-LIT EXIT SIGN, WITH 90 MINUTE BATTERY BACK-UP, WHITE FINISH WITH RED LETTERING ON CLEAR FACEPLATE.	CONTECH: BEXA-SF-R-EM-P EXTRONIC: C302-CR-WB-BC-ZC-WH-CSA-120 (CSA APPROVED) STANPRO: RMAE-OWH-18-(RUNNING MAN)	LED	3 WATTS	
H6	3' LINEAR LOW PROFILE T8 FLUORESCENT INTEGRAL BALLAST, WHITE FINISH	BARTCO: BEL255-25-120	25WATT, T8, MEDIUM BI-PIN BASE, LINEAR FLUORESCENT, 3000K, 82CRI, 20,000 HRS.	25 WATTS	XJ	FULLY RECESSED EMERGENCY LIGHT 90 MIN BATTERY BACK UP, WHITE FINISH 2 (35W) MR11 LAMPS	AFERDON: APR-25-1C-UH	35 WATT, MR11, 2 PIN GU 4 BASE, QUARTZ HALOGEN, FLOOD 30', 4,000HRS.	70 WATTS	
H7	4' LINEAR LOW PROFILE T8 FLUORESCENT INTEGRAL BALLAST, WHITE FINISH	BARTCO: BEL255-32-120	32 WATT, T8, MEDIUM BI-PIN BASE, LINEAR FLUORESCENT, 3000K, 82CRI, 20,000 HRS.	32 WATTS						
H9	6' LINEAR LOW PROFILE T8 FLUORESCENT INTEGRAL BALLAST, WHITE FINISH	BARTCO: BEL255-2525-120	25WATT, T8, MEDIUM BI-PIN BASE, LINEAR FLUORESCENT, 3000K, 82CRI, 20,000 HRS.	50 WATTS						
N2	RECESSED HIGH PERFORMANCE 1X4 VOLUMETRIC TROFFER FOR USE IN A GYP CEILING	PINNACLE: CJ14A-1T8-FL-120-1C-W	32 WATT, T8, MEDIUM BI-PIN BASE, LINEAR FLUORESCENT, 3000K, 85 CRI, 50,000 HRS.	32 WATTS						
N2E	RECESSED HIGH PERFORMANCE 1X4 VOLUMETRIC TROFFER WITH EMERGENCY BATTERY BACKUP FOR USE IN A GYP CEILING	PINNACLE: CJ14A-1T8-FL-120-1B-W	32 WATT, T8, MEDIUM BI-PIN BASE, LINEAR FLUORESCENT, 3000K, 85 CRI, 50,000 HRS.	32 WATTS						
NA	WALL MOUNTED "LOVE PINK" 20.25" X 94.25" WHITE SKELETON NEON SIGN, 4500K W. PLENUM RATED TRANSFORMER BOX, HARDWIRE CONNECTION	OSM_VENDOR	NEON	756 WATTS						
NG2	WALL MOUNTED "LOVE PINK" SCRIPT SIGN - 22.85"x80.375" POLISHED BRASS LED FACE LIT 5000K, WITH PLENUM RATED TRANSFORMER BOX, HARDWIRE CONNECTION	OSM_VENDOR	LED 5000K	120 WATTS						
NR	WALL MOUNTED"PINK" 21"x68.5" BULB CHANNEL INDIVIDUAL LETTERS W/ POLISHED BRASS RETURNS (74) FROSTED LED LAMPS IN FIXTURE, INDIVIDUAL DUPLEX OUTLET PER LETTER	OSM_VENDOR	616.5 MEDIUM BASE LED 2900K, 2 WATTS 12,000 HRS	148 WATTS						