

LIGHT FIXTURE SCHEDULE							
MOUNTING	FLUORESCENT	INCANDESCENT/HID	EXIT	LANDSCAPE			
RECESSED	FR	R	XR	LR			
CEILING/SURFACE	FC	C	XC	LC			
WALL	FW	W	XW	LW			
PENDANT/SUSPENDED/POLE	FP	P	XP	LP			
TRACK	FT	T		LT			

TYPE	DESCRIPTION	MANUFACTURER # CATALOG NO.	LAMPS		INPUT		REMARKS
			NO.	TYPE	VOLTS	WATTS	
R1	6" RECESSED LED DOWNLIGHT	DMF LIGHTING # DLE16/DME8895 GC/EL60W	LED	3000K LED 80 CRI	120	12.5	
R2	6" RECESSED LED WALLWASH FIXTURE	LIGHT FIXTURES ARE OFCI. SUBMIT LIGHT FIXTURE PRODUCT DATA TO ARCHITECT/ENGINEER FOR REVIEW.	LED	3000K LED 80 CRI	120	-	
R3	2x2 RECESSED LED TROFFER	LIGHT FIXTURES ARE OFCI. SUBMIT LIGHT FIXTURE PRODUCT DATA TO ARCHITECT/ENGINEER FOR REVIEW.	LED	3000K LED 80 CRI	120	-	
R4	4" RECESSED LED DOWNLIGHT	LIGHT FIXTURES ARE OFCI. SUBMIT LIGHT FIXTURE PRODUCT DATA TO ARCHITECT/ENGINEER FOR REVIEW.	LED	3000K LED 80 CRI	120	-	
C1	1x4 SURFACE CEILING MOUNTED LED FIXTURE	LIGHT FIXTURES ARE OFCI. SUBMIT LIGHT FIXTURE PRODUCT DATA TO ARCHITECT/ENGINEER FOR REVIEW.	LED	3000K LED 80 CRI	120	-	
W1	WALL MOUNTED BATHROOM VANITY LED FIXTURE	LIGHT FIXTURES ARE OFCI. SUBMIT LIGHT FIXTURE PRODUCT DATA TO ARCHITECT/ENGINEER FOR REVIEW.	LED	3000K LED 80 CRI	120	-	
P1	RECEPTION DESK DECORATIVE PENDANT MOUNTED LED FIXTURE	LIGHT FIXTURES ARE OFCI. SUBMIT LIGHT FIXTURE PRODUCT DATA TO ARCHITECT/ENGINEER FOR REVIEW.	LED	3000K LED 80 CRI	120	-	
P2	BREAKFAST PANTRY DECORATIVE PENDANT MOUNTED LED FIXTURE	LIGHT FIXTURES ARE OFCI. SUBMIT LIGHT FIXTURE PRODUCT DATA TO ARCHITECT/ENGINEER FOR REVIEW.	LED	3000K LED 80 CRI	120	-	
P3	FITNESS ROOM DECORATIVE PENDANT MOUNTED LED FIXTURE	LIGHT FIXTURES ARE OFCI. SUBMIT LIGHT FIXTURE PRODUCT DATA TO ARCHITECT/ENGINEER FOR REVIEW.	LED	3000K LED 80 CRI	120	-	
XW1 XC XP	SINGLE FACE UNIVERSAL MOUNT ILLUMINATED LED EXIT SIGN WITH INTEGRAL EMERGENCY BATTERY	LITHONIA # LRP-W-1-GC-120/277-EL-N	LED	LED	120 / 277	2.9	PROVIDE DIRECTIONAL ARROWS AS INDICATED
XW1 XC1 XP1	DUAL FACE UNIVERSAL MOUNT ILLUMINATED LED EXIT SIGN WITH INTEGRAL EMERGENCY BATTERY	LITHONIA # LRP-W-2-GC-120/277-EL-N	LED	LED	120 / 277	2.9	PROVIDE DIRECTIONAL ARROWS AS INDICATED
XW2	SINGLE FACE WALL MOUNTED LED EXIT SIGN WITH EMERGENCY BATTERY AND DUAL HEADS	DUAL LITE # HCX-U-G-W-03L	LED	LED	120 / 277	3	PROVIDE DIRECTIONAL ARROWS AS INDICATED

SCHEDULE OF SPECIAL EQUIPMENT											
ITEM	EQUIPMENT DESIGNATION	ELECTRICAL RATING						ELECTRIC WORK REQUIRED			
		KW	KVA	HP	AMPS	VOLTS	PHASE	WIRE			
E1	2-DOOR REFRIGERATOR	-	-	-	5.9	120	1	2	1	2	14
E2	ICE MAKER	-	-	-	11.8	120	1	2	1	2	14
E3	ICE DISPENSER	-	-	-	-	120	1	2	1	2	14
E4	AUTOMATIC DOOR	-	-	-	1.0	120	1	2	1	3	14

- ### ELECTRIC WORK NOTES PERTAINING TO SCHEDULE OF SPECIAL EQUIPMENT
- REFER TO FLOOR PLANS FOR EXACT QUANTITIES OF ALL SCHEDULED EQUIPMENT. ALL SCHEDULED EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY OTHERS.
 - INSERT PLUG OF EQUIPMENT INTO RECEPTACLE.
 - EXTEND INDICATED POWER CIRCUIT AND CONNECT SAME TO THE LINE TERMINALS OF THE EQUIPMENT. WHEN THE SCHEDULED EQUIPMENT IS SUBJECT TO VIBRATION OR MOVEMENT, THE FINAL PORTION OF THE POWER FEED (NOT TO EXCEED 48" IN LENGTH) SHALL BE WITH FLEXIBLE METALLIC CONDUIT. WHEN THE SCHEDULED EQUIPMENT IS SUBJECTED TO MOISTURE THE FINAL PORTION OF THE POWER FEED SHALL BE WITH LIQUID-TITE FLEXIBLE CONDUIT.
 - LEAVE SUITABLE SLACK ON WIRES FOR POWER CIRCUIT CONNECTION BY OTHERS. PROVIDE SUITABLE PLATE ON OUTLET BOX.
 - PROVIDE DISCONNECTING MEANS AND CONNECTIONS AS REQUIRED TO INTERPOSE SAME BETWEEN TERMINATION OF BUILDING WIRING AND LINE TERMINALS OF UNIT -- TYPE OF DISCONNECTING MEANS AND MOUNTING LOCATION TO BE IN ACCORDANCE WITH INSTRUCTION ISSUED BY THE MANUFACTURER OF THE UNIT.
 - PROVIDE CONTROL CIRCUIT RUN FROM EQUIPMENT STARTER, TO ACTUATING DEVICE -- RUN TO CONTAIN AN ADEQUATE NUMBER OF WIRES FOR PROPER OPERATION.
 - EXTEND INDICATED POWER CIRCUIT AND CONNECT TO ILLUMINATED SIGNAGE FURNISHED AND INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.
 - EQUIPMENT IS PROVIDED WITH UNIT MOUNTED CONTROL PANEL WITH INTEGRAL STARTERS & CONTROLLERS PROVIDE NECESSARY POWER & CONTROL WIRING FOR EQUIPMENT OPERATION.
 - PROVIDE APPROPRIATE NEMA TWIST LOCK OUTLET AS REQUIRED BY EQUIPMENT MANUFACTURER.
 - PROVIDE CIRCUIT BREAKER AS INDICATED FOR LOCAL SHUTOFF.
 - COORDINATE EXACT LOCATION OF POWER FEED ENTRANCE TO EQUIPMENT WITH EQUIPMENT MANUFACTURER. UTILIZE MANUFACTURER'S CASE MOUNTED ELECTRICAL RACEWAYS TO EXTEND WIRING BETWEEN INTERCONNECTED PIECES OF EQUIPMENT.
 - PROVIDE EQUIPMENT ELECTRICAL CORD & PLUGS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
 - PROVIDE ELECTRICAL WORK AS PER DETAIL ON DRAWING E-7.
 - COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF WIRING DEVICE WITH EQUIPMENT VENDOR AND GENERAL CONTRACTOR PRIOR TO ROUGHING IN OUTLET BOX FOR DEVICE.
 - EQUIPMENT IS FED VIA OVERHEAD CORD DROP REFER TO DRAWING E-13 FOR CORD DROP DETAIL.

- ### LIGHT FIXTURE SCHEDULE NOTES
- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET JOB CONDITIONS.
 - THE ELECTRICAL CONTRACTOR SHALL VERIFY FIXTURE MOUNTING AND EXACT LOCATIONS AGAINST ARCHITECTS REFLECTED CEILING PLANS, ELEVATIONS AND DETAIL DRAWINGS.
 - SERIES FIXTURES SHALL BE LENGTH AS SHOWN ON DRAWINGS.
 - FIXTURE LETTERS SHOWN ONCE ON A CONTINUOUS ROW OF FIXTURES SHALL BE TYPICAL FOR THAT ROW UNLESS OTHERWISE NOTED.
 - ALL FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF HUNG CEILING.
 - EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL FIXTURES SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO ROUGHING IN.
 - ALL FLUORESCENT FIXTURES SHALL BE EQUIPPED WITH ENERGY SAVER LAMPS. ALL FLUORESCENT T8 SERIES LAMPS SHALL BE TRIPHOSPHOR LAMPS WITH NO SUBSTITUTIONS.
 - INFORMATION LISTED IN THE SECOND COLUMN OF THE FIXTURE SCHEDULE ABOVE SETS THE GENERAL DESCRIPTION OF EACH FIXTURE. INFORMATION LISTED IN THE THIRD COLUMN OF THE FIXTURE SCHEDULE SETS THE STANDARD OF QUALITY. IF DISCREPANCIES ARISE BETWEEN DESCRIPTION OF FIXTURE AND THE CATALOG NUMBER THEN NOTIFY THE ENGINEER BEFORE ORDERING SAID FIXTURE.
 - ONE LAMP OR THREE LAMP FLUORESCENT LUMINAIRES USED FOR GENERAL LIGHTING, AND MOUNTED WITHIN TEN FEET OF EACH OTHER AND WITHIN THE SAME ROOM SHALL BE TANDEM WIRED TO ELIMINATE UNNECESSARY USE OF SINGLE LAMP BALLASTS. USE ONE (3) LAMP BALLAST FOR THREE LAMP FIXTURES FOUR FOOT IN LENGTH. USE FOUR LAMP BALLASTS AND TANDEM WIRE ADJACENT TWO LAMP FIXTURES WHEREVER FEASIBLE.
 - ALL LIGHTING FIXTURES MOUNTED OVER OPEN FOOD DISPLAYS OR CASES SHALL BE EQUIPPED WITH LENSES OR THE LAMPS SHALL BE FITTED WITH PROTECTIVE TUBE GUARDS.
 - THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR AIMING OR ADJUSTING ALL DIRECTIONALLY ORIENTED FIXTURES AT THE COMPLETION OF THE PROJECT AS PER THE ENGINEERS' DIRECTION.
 - ALL FLUORESCENT FIXTURES SHALL BE EQUIPPED WITH SOLID STATE HIGH FREQUENCY ELECTRONIC BALLASTS IN ACCORDANCE WITH THE SPECIFICATION UNLESS NOTED OTHERWISE. ELECTRONIC BALLASTS MUST BE UTILITY COMPANY "ELIGIBLE" BALLASTS.
 - ALL INDIVIDUALLY MOUNTED AND GROUP OR PATTERN MOUNTED SUSPENDED FIXTURES SHALL BE DONE SO WITH AIRCRAFT CABLE SUSPENSION SYSTEMS, (LENGTHS OR MOUNTING HEIGHTS AS INDICATED). PROVIDE ROUND WHITE 1" DIAMETER CANOPY COVER PLATES FOR CEILING PENETRATIONS OF AIRCRAFT CABLE.
 - MANUFACTURERS AND CATALOG NUMBERS ARE LISTED IN THE FIXTURE SCHEDULE TO SET A STANDARD OF QUALITY FOR THE LIGHTING FIXTURES, SUBSTITUTION OF LIGHTING FIXTURES WILL BE ALLOWED WHEN THE SUBSTITUTED FIXTURE(S) EQUAL OR EXCEED THE AESTHETIC AND PERFORMANCE CHARACTERISTICS OF THE LIGHTING FIXTURE(S) SPECIFIED, AND ARE APPROVED BY THE ENGINEER.
 - FIXTURES WITH LAMPS SPECIFIED AS 8 FOOT IN LENGTH MUST BE PROVIDED AS SPECIFIED. SUBSTITUTION OF TWO TANDEM 4 FOOT LAMPS IN LIEU OF 8 FOOT LAMP WILL NOT BE ACCEPTABLE.
 - ALL POWER CORD DROPS TO SUSPENSION MOUNTED FIXTURES SHALL BE DONE SO WITH 600V, #12 AWG TYPE SO STRAIGHT CABLE WITH A WHITE COVERED OUTER INSULATING PVC JACKET WITH NO VISIBLE MARKINGS.
 - FOR ALL FIXTURES EQUIPPED WITH REFLECTORS; PROVIDE ALIGNER CLIPS AT ALL FIXTURE JOINTS.
 - ALL RECESSED FIXTURES INSTALLED IN AREAS SEPERATING CONDITIONED AND UNCONDITIONED SPACES SHALL BE IC LABELED.
 - ALL ELECTRONIC BALLASTS SHALL BE UL LISTED AND COMPLY WITH ALL FCC AND NEMA LIMITS. TOTAL HARMONIC DISTORTION LEVELS SHALL BE LESS THAN 20% AND GREATER THAN 10%. CREST FACTORS SHALL BE LESS THAN 1.6 AND POWER FACTOR SHALL BE GREATER THAN 90%.
 - STAGGERED STRIP FIXTURES MOUNTED IN COVES SHALL BE FIELD MEASURED AND THE MAXIMUM LENGTH OF UNITS SHALL BE PROVIDED TO CONTINUOUSLY ILLUMINATE COVES.
 - ALL RECESSED GRID CEILING MOUNTED LIGHTING FIXTURES SHALL BE EQUIPPED WITH EARTHQUAKE CLIPS THAT ARE IN COMPLIANCE WITH N.E.C. 410.36 MEANS OF SUPPORT.
 - ALL FLUORESCENT LAMPS SHALL BE LOW MERCURY T.C.L.P. COMPLIANT.
 - ALL FIXTURES EQUIPPED WITH INTEGRAL EMERGENCY BACKUP BATTERIES SHALL ALSO BE EQUIPPED WITH INTEGRAL TEST SWITCHES THAT ARE ACCESSIBLE FROM THE ILLUMINATED SPACE WITHOUT THE REMOVAL OF SUSPENDED ACOUSTICAL CEILINGS OR PERMANENT CEILINGS.
 - FOR INDOOR FLUORESCENT FIXTURES UTILIZED ON NON-DWELLING UNIT PROJECTS THAT ARE EQUIPPED WITH DOUBLE ENDED LAMPS; THE FIXTURE MANUFACTURER SHALL PROVIDE A LINE VOLTAGE RATED DISCONNECTING MEANS LOCATED AS SUCH TO BE ACCESSIBLE WHILE SERVICING OR MAINTAINING THE BALLAST, BUT NOT TO BE VIEWABLE FROM THE SPACE THAT THE LUMINAIRE IS INTENDED TO ILLUMINATE.
 - IF THE ELECTRICAL CONTRACTOR CHOOSES TO PURCHASE INDOOR FLUORESCENT FIXTURES INSTALLED ON NON-DWELLING UNIT PROJECTS THAT ARE NOT EQUIPPED WITH A FACTORY INSTALLED BALLAST DISCONNECTING MEANS; THEN THE ELECTRICAL CONTRACTOR SHALL PROVIDE A BALLAST (OR BALLASTS) DISCONNECTING MEANS THAT SIMULTANEOUSLY BREAKS ALL THE SUPPLY CONDUCTORS TO SAID BALLAST(S) INCLUDING THE GROUNDING CONDUCTOR. THE DISCONNECTING MEANS SHALL BE LOCATED WITHIN SIGHT OF THE LUMINAIRE THAT THE MULTI-WIRE BRANCH CIRCUIT FEEDS. THE DISCONNECTING MEANS SHALL ALSO ONLY BE ACCESSIBLE TO QUALIFIED PERSONNEL.
 - ALL FLUORESCENT FIXTURES REFERENCED TO THIS NOTE SHALL BE EQUIPPED WITH UTILITY REBATE ELIGIBLE SUPER T8 EXTENDED PERFORMANCE 'XP' SERIES LAMPS OR EQUAL.
 - ALL FLUORESCENT FIXTURES REFERENCED TO THIS NOTE SHALL BE EQUIPPED WITH UTILITY REBATE ELIGIBLE HIGH EFFICIENCY, HIGH BALLAST FACTOR, INSTANT START ELECTRONIC BALLASTS 'GHE' SERIES OR EQUAL.
 - ALL LED LUMINAIRES SHALL COMPLY WITH LM79 AND LM80 TESTING STANDARDS.