



BR+A  
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**LIGHTING FIXTURE SCHEDULE AND CONTROLS MATRIX**  
 SCALE: AS NOTED

**E0.5**

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		SPACE TYPES						
		LARGE CONFERENCE ROOM/MEETING/MULTIPURPOSE ROOMS	SMALL CONFERENCE ROOM	COPY/PRINT ROOMS	LOUNGE/BREAK ROOM/PANTRY	PRIVATE OFFICES	OPEN OFFICES	
1 LIGHTING CONTROLS	AUTOMATIC CONTROL	2 OCCUPANCY SENSOR (AUTOMATIC ON/OFF)	X	X	X	X	X	X
		VACANCY SENSOR (MANUAL ON/AUTOMATIC OFF)						
		TIME OF DAY						
		TIMER SWITCH						
		PHOTOCELL CONTROL						
5.6 MANUAL CONTROL	ON/OFF	X	X	X	X	X	X	
	LIGHTING REDUCTION (ON/OFF)							
	STEP DIMMING							
	DIMMING							
	MULTI-ZONE DIMMING							
	SCENE CONTROL							
	TIME OF DAY OVERRIDE SWITCH							
KEY SWITCH								

**NOTE:**

- LIGHTING CONTROLS ARE NOT REQUIRED AREAS: SIGNAL ROOMS, SECURITY OR EMERGENCY, INTERIOR EXIT RAMPS, STAIRWAYS, AND PASSAGeways, AND EMERGENCY EGRESS LIGHTING THAT IS NORMALLY OFF.
- OCCUPANT SENSORS ARE REQUIRED IN ALL AREAS. OCCUPANT SENSORS SHALL AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
- IN WAREHOUSES, THE LIGHTS IN AISLEWAYS AND OTHER AREAS SHALL BE CONTROLLED WITH OCCUPANT SENSORS THAT AUTOMATICALLY REDUCE LIGHTING POWER FROM 50% TO 100% OFF WHEN THE AREAS ARE UNOCCUPIED. THE OCCUPANT SENSORS SHALL CONTROL LIGHTING IN EACH AISLEWAY INDEPENDENTLY AND SHALL NOT CONTROL LIGHTING BEYOND THE AISLEWAY BEING CONTROLLED BY THE SENSORS.
- SEE FLOOR PLAN FOR LAYOUT WHERE APPLICABLE.
- TIME-SWITCH CONTROL:
  - EACH SPACE WITH TIME-SWITCH CONTROL SHALL ALSO BE PROVIDED WITH MANUAL CONTROL FOR LIGHTING REDUCTION.
  - TIME-SWITCH CONTROLS SHALL INCLUDE OVERRIDE SWITCHING DEVICE THAT COMPLIES WITH THE FOLLOWING:
    - HAVE A MINIMUM OF 7-DAY CLOCK.
    - BE CAPABLE OF BEING SET FOR SEVEN DIFFERENT DAY TYPES PER WEEK.
    - INCORPORATE AN AUTOMATIC HOLIDAY "SHUTOFF" FEATURE, WHICH TURNS OFF ALL CONTROLLED LIGHTING LOADS FOR AT LEAST 24 HOURS AND THEN RESUMES NORMALLY SCHEDULED OPERATION.
    - HAVE PROGRAM BACKUP CAPABILITIES, WHICH PREVENT THE LOSS OF PROGRAM AND TIME SETTINGS FOR AT LEAST 10 HOURS, IF POWER IS INTERRUPTED.
    - INCLUDE AN OVERRIDE SWITCH THAT COMPLIES WITH THE FOLLOWING:
      - THE OVERRIDE SWITCH SHALL BE MANUAL CONTROL.
      - THE OVERRIDE SWITCH, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR MORE THAN 2 HOURS.
      - ANY INDIVIDUAL OVERRIDE SWITCH SHALL CONTROL THE LIGHTING FOR AN AREA NOT LARGER THAN 5,000 SQ.FT.
- MANUAL CONTROL SHALL BE READY ACCESSIBLE TO OCCUPANTS, AND SHALL BE LOCATED WHERE THE CONTROLLED LIGHTS ARE VISIBLE, OR SHALL IDENTIFY THE AREA SERVED BY THE LIGHTS AND INDICATE THEIR STATUS.

FIXTURE TYPE	MANUFACTURER AND CATALOG INFORMATION	LAMPS			BALLAST			VOLTAGE	TOTAL WATTS	DESCRIPTION	MOUNTING HEIGHT
		QTY.	TYPE	WATTS	QTY.	TYPE	WATTS				
B	PENNANT WALL LAMP ANDREY MEYER PENNANT WALL LAMP SERIES SINGLE LED HEAD	-	NC	60W	-	-	-	120V	60W	INCANDESCENT WALL LAMP. PROVIDE DIMMABLE LED LAMP AS REQUIRED. COORDINATE LAMP TO BE SAME WITH ALL FIXTURES USED IN PROJECT.	WALL MOUNT
D	4' SUSPENDED LED DIRECT INDIRECT STRIP AXIS TB30LED SERIES OR EQUAL	-	LED	27.12W	-	DRIVER	27.12W	120V	27.12W	SUSPENDED LED STRIP WITH 400 LUMENS/FT UP AND 400 LUMENS/FT DOWN LIGHTING. COORDINATE EXACT LENGTHS WITH ARCHITECTURAL DRAWINGS. 3500K, 80CRI, 0-10V DIMMING TO 1%.	SUSPENDED
D4E	4' SUSPENDED LED DIRECT INDIRECT STRIP AXIS TB30LED SERIES OR EQUAL	-	LED	27.12W	-	DRIVER	27.12W	120V	27.12W	SAME AS D4 WITH 90 MINUTE EMERGENCY BACKUP BATTERY.	SUSPENDED
D8	8' SUSPENDED LED DIRECT INDIRECT STRIP AXIS TB30LED SERIES OR EQUAL	-	LED	54.24W	-	DRIVER	54.24W	120V	54.24W	SUSPENDED LED STRIP WITH 400 LUMENS/FT UP AND 400 LUMENS/FT DOWN LIGHTING. COORDINATE EXACT LENGTHS WITH ARCHITECTURAL DRAWINGS. 3500K, 80CRI, 0-10V DIMMING TO 1%.	SUSPENDED
D8E	8' SUSPENDED LED DIRECT INDIRECT STRIP AXIS TB30LED SERIES OR EQUAL	-	LED	54.24W	-	DRIVER	54.24W	120V	54.24W	SAME AS D8 WITH 90 MINUTE EMERGENCY BACKUP BATTERY.	SUSPENDED
D12	12' SUSPENDED LED DIRECT INDIRECT STRIP AXIS TB30LED SERIES OR EQUAL	-	LED	81.36W	-	DRIVER	81.36W	120V	81.36W	SUSPENDED LED STRIP WITH 400 LUMENS/FT UP AND 400 LUMENS/FT DOWN LIGHTING. COORDINATE EXACT LENGTHS WITH ARCHITECTURAL DRAWINGS. 3500K, 80CRI, 0-10V DIMMING TO 1%.	SUSPENDED
D8S	8' RECESSED LINEAR LED AXIS SMRLD SERIES OR EQUAL	-	LED	29.6W	-	DRIVER	29.6W	120V	29.6W	RECESSED STRIP. COORDINATE EXACT LENGTHS WITH ARCHITECTURAL DRAWINGS. 400 LUMENS/FT. 3500K, 80CRI, 0-10V DIMMING TO 1%.	RECESSED
E8	8' SUSPENDED LED STRIP METALUX SLED SERIES OR EQUAL	-	LED	42W	-	DRIVER	42W	120V	42W	8' SUSPENDED LED STRIP 5496 LUMENS, 3500K, 80CRI, 0-10C DIMMING TO 10%.	SUSPENDED
F	6" LED CYLINDER HE WILLIAMS LCA SERIES	-	LED	35W	-	DRIVER	35W	120V	35W	6" LED CYLINDER, 2200 LUMENS, 90 CRI, 3000K, NON-DIMMING DRIVER. MATCH TO BASE BUILDING FIXTURE	SUSPENDED
G	6 LAMP SUSPENDED MARESET T8A1 T8A 6 SERIES	6	NC	40W	-	-	-	120V	240W	6 LAMP SUSPENDED FIXTURE. PROVIDE DIMMABLE LED T12 6.5W LAMPS AS REQUIRED BY MANUFACTURER. COORDINATE LAMP TO BE SAME WITH ALL FIXTURES USED IN PROJECT.	SUSPENDED
H	LED TAPE LIGHT TPR-FL-CMX3.8 SERIES OR EQUAL	-	-	2.4W/FT	-	DRIVER	2.4W/FT	120V	2.4W/FT	PROVIDE REMOTE TPR PS600 DIMMABLE LED DRIVERS AS NECESSARY.	SURFACE
J	13" DOME BASE-TE-100 SERIES OR EQUAL	-	LED	12W	-	DRIVER	-	120V	12W	13" LED DOME FIXTURE, 0-10V DIMMING DRIVER.	SUSPENDED
K	LED PENDANT TECH LIGHTING POWELL STREET	-	LED	12W	-	-	-	120V	150W	FIXTURE CONTAINS 150W E26 MEDIUM BASE. FIXTURE PROVIDED WITH 12W LED LAMP. COORDINATE FINISHES WITH ARCHITECT.	PENDANT
L	LED SUSPENDED FLOS AIM SERIES	-	LED	80W	-	DRIVER	80W	120V	80W	SUSPENDED LED, 885 LUMENS PER HEAD, 2700K. COORDINATE WITH ARCHITECTURAL PLANS.	SUSPENDED
M	LED FLOOR LAMP PABLO CONTOR FLOOR SERIES	-	LED	21.5W	-	DRIVER	21.5W	120V	21.5W	LED FLOOR MOUNTED LAMP. LAMP TO PLUG INTO OCCUPANCY SWITCHED RECEPTACLE.	FLOOR
X	EXIT SIGN MATCH BASE BUILDING STANDARD	-	LED	4.3W	-	-	-	120V	4.3W	EXIT SIGN, EDGE LIT WITH GREEN TEXT TO MATCH BASE BUILDING. DOUBLE FACE WHERE REQUIRED. COORDINATE ARROWS WITH LIGHTING LAYOUT. PROVIDE WITH BATTERY BACKUP RATED FOR 90 MINUTES.	SURFACE

**LIGHTING FIXTURE NOTES:**

- COORDINATE ALL MOUNTING WITH CEILING TYPES IN ARCHITECT DRAWINGS.
- COORDINATE FINISHES AND TRIMS WITH ARCHITECT.