

three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

LUMINAIRE SCHEDULE								
MARK	DESCRIPTION	LAMPS		FINISH	MOUNTING	INPUT WATTS	VOLTS	REMARKS
		QTY	TYPE					
A	2X4 WET LOCATION TROFFER, PRISMATIC GASKETED LENS, GRID MOUNTED, DUAL LEVEL SWITCHING	2	F32T8/835	WHITE	RECESSED GRID MOUNTED	59	277	1
AA	2X4 WET LOCATION TROFFER, PRISMATIC GASKETED LENS, GRID MOUNTED	2	F32T8/835	WHITE	RECESSED GRID MOUNTED	59	120/277	7
AB	2X4 WET LOCATION TROFFER, PRISMATIC GASKETED LENS, GRID MOUNTED, 0-10V DIMMING BALLAST	2	F32T8/835	WHITE	RECESSED GRID MOUNTED	59	277	6
AC	2X4 WET LOCATION TROFFER, PRISMATIC GASKETED LENS, FLANGE MOUNTED	2	F32T8/835	WHITE	RECESSED FLANGE MOUNTED	59	277	-
AD	2X4 WET LOCATION TROFFER, PRISMATIC GASKETED LENS, FLANGE MOUNTED, DUAL LEVEL SWITCHING	3	F32T8/835	WHITE	RECESSED FLANGE MOUNTED	86	277	1
B	1X4 WET LOCATION TROFFER, PRISMATIC GASKETED LENS, FLANGE MOUNTED	2	F32T8/835	WHITE	RECESSED FLANGE MOUNTED	59	277	-
C	2X2 DIRECT/INDIRECT METAL PERF BASKET WITH ACRYLIC LENS, GRID MOUNTED, DUAL LEVEL SWITCHING	3	F17T8/835	WHITE	RECESSED GRID MOUNTED	46	277	1
CA	2X2 WET LOCATION TROFFER, PRISMATIC GASKETED LENS, FLANGE MOUNTED	3	F17T8/835	WHITE	RECESSED GRID MOUNTED	46	277	-
D	2" SURFACE WALL MOUNTED CONTEMPORARY WALL BRACKET; FLUORESCENT, EXTRUDED ALUMINUM HOUSING, BRUSHED FINISH, WHITE LENS	2	F17T8/835	WHITE	SURFACE WALL	33	277	-
E	EMERGENCY LIGHTING UNIT - WET LOCATION LISTED	2	7 WATT MR16 LAMPS	WHITE	SURFACE	-	277	4
F	1X4 SURFACE/CHAIN MOUNTED PRISMATIC LENSED	2	F32T8/835	WHITE	SURFACE/ CHAIN	59	277	5
FA	1X4 SURFACE/CHAIN MOUNTED PRISMATIC LENSED	2	F32T8/835	WHITE	SURFACE	59	120	-
G	LED FULL CUTOFF TRAPEZOIDAL WALL PACK, TYPE III DISTRIBUTION, 2800 LUMENS, 4000K, INTEGRAL PHOTOELECTRIC CONTROL	-	LED 2800 LUMENS 4000K	BRONZE	SURFACE WALL	35	277	2
J	1X4 ENCLOSED AND GASKET INDUSTRIAL HAZARDOUS LOCATION, CLASS I, DIVISION 1 RATED	2	F32T8/835	WHITE	SURFACE	59	277	-
K	4" ENCLOSED AND GASKET, WET LOCATION, INDUSTRIAL WALLCEILING MOUNT; LOW PROFILE, GLASS HOUSING	2	F32T8/835	ALUMINUM	SURFACE	59	277	-
L	SWING ARM WALL MOUNT LED DOCKLIGHT WITH CORD AND PLUG AND INLINE ROCKER SWITCH	-	21W SPOT LED	YELLOW	SURFACE WALL	25	120	-
M	6" RECESSED LED DOWNLIGHT, WHITE TRIM RING WET LOCATION, REGRESSED LENS	-	LED 1000 LUMENS 3500K	DIFFUSE SILVER	RECESSED	22	277	-
X	CAST ALUMINUM SINGLE FACE EXIT SIGN, RED LETTERS	-	LED	WHITE	REMARK 3	-	277	4
XA	CAST ALUMINUM DOUBLE FACE EXIT SIGN, RED LETTERS	-	LED	WHITE	REMARK 3	-	277	4
XB	CAST ALUMINUM SINGLE FACE EXIT SIGN, RED LETTERS, NEMA 4X RATED	-	LED	WHITE	REMARK 3	-	277	4

LUMINAIRE SCHEDULE REQUIREMENTS	
A.	ALL FLUORESCENT LUMINAIRES SHALL BE PAINTED AFTER FABRICATION. HOUSINGS FOR RECESSED FLUORESCENT LUMINAIRES SHALL HAVE A MINIMUM DEPTH OF 4". PROVIDE EXTRUDED ALUMINUM TYPE DOOR FRAMES WHERE LUMINAIRES ARE SPECIFIED WITH ALUMINUM DOOR FRAMES.
B.	SUBMIT SHOP DRAWINGS FOR EACH BALLAST AND LAMP TYPE USED ON PROJECT.
C.	BALLASTS FOR LINEAR FLUORESCENT T8 LAMPS SHALL BE GE ULTRASTART SERIES (OR EQUAL BY ADVANCE OPTANUM SERIES). BALLAST CHARACTERISTICS SHALL BE: PROGRAMMED START, OPERATING VOLTAGE RANGE OF 120-277V ± 10%, BALLAST FACTOR GREATER THAN 0.85 (UNLESS OTHERWISE NOTED), T.H.D. OF 10% OR LESS, P.F. GREATER THAN 0.95, AND A FIVE YEAR WRITTEN REPLACEMENT WARRANTY FROM DATE OF MANUFACTURE.
D.	BALLASTS FOR DIMMING FLUORESCENT LAMPS SHALL BE UNIVERSAL LIGHTING TECHNOLOGIES (OR EQUAL BY LUTRON, ADVANCE OR OSRAM). BALLAST CHARACTERISTICS SHALL BE: PROGRAMMED RAPID START, END OF LAMP-LIFE SHUTDOWN, OPERATING VOLTAGE RANGE OF 120-277V ± 10%, BALLAST FACTOR GREATER THAN 0.86, T.H.D. OF 10% OR LESS, P.F. GREATER THAN 0.95, DIMMING RANGE FOR T8 LAMPS OF 100% TO 3%, AND A THREE YEAR WRITTEN REPLACEMENT WARRANTY. COORDINATE BALLAST CONTROL REQUIREMENTS (INCLUDING VOLTAGE, CONDUCTOR QUANTITY, DIMMING DEVICE ETC.) AND LAMP TYPE TO INSURE COMPATIBILITY WITH SPECIFIED CONTROL SYSTEM.
E.	ALL FLUORESCENT LAMPS USED IN DIMMING APPLICATIONS SHALL BE OPERATED CONTINUOUSLY AT FULL BRIGHTNESS NOT LESS THAN 100 HOURS PRIOR TO DIMMING.
F.	ALL NON-DIMMED FLUORESCENT LAMPS SHALL BE LOW MERCURY TCLP COMPLIANT TYPE.
G.	PHILIPS, OSRAM/SYLVANIA, G.E. AND VENTURE ARE ACCEPTABLE LAMP MANUFACTURERS.
H.	CONTRACTOR SHALL FIELD VERIFY VOLTAGE OF ALL LUMINAIRES PRIOR TO ORDERING.
I.	WHERE LUMINAIRES ARE SHOWN WITH LAMPS SWITCHED SEPARATELY, PROVIDE QUANTITY OF BALLASTS ACCORDINGLY. PROVIDE INSIDE LAMP(S) SWITCHED SEPARATE FROM OUTSIDE LAMPS UNLESS NOTED OTHERWISE.
J.	PROVIDE FACTORY INSTALLED INTEGRAL DISCONNECTING MEANS FOR FLUORESCENT LIGHT LUMINAIRES PER 2011 NEC ARTICLE 410.130.(G). NOTE THAT EXCEPTION NO. 4 AND EXCEPTION NO. 5 WILL NOT BE ACCEPTED.
LUMINAIRE SCHEDULE REMARKS	
1.	PROVIDE LUMINAIRE WITH MULTIPLE BALLASTS AS REQUIRED FOR DUAL LEVEL SWITCHING SHOWN ON DRAWINGS.
2.	PROVIDE LUMINAIRE WITH INTEGRAL PHOTOELECTRIC CONTROLS FOR ON/OFF OPERATION.
3.	REFER TO DRAWINGS FOR MOUNTING REQUIREMENTS SUCH AS WALL MOUNT, END MOUNT, CEILING MOUNT AND PROVIDE LUMINAIRES ACCORDINGLY. PROVIDE DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS.
4.	PROVIDE WITH SELF-DIAGNOSTIC MAINTENANCE ELECTRONICS.
5.	LUMINAIRE SHALL BE SURFACE MOUNTED UNLESS NOTED OTHERWISE ON DRAWINGS.
6.	PROVIDE MARK VTI1 (OR EQUAL BY LUTRON) 0-10V DIMMING BALLAST.
7.	PROVIDE 120V BALLAST FOR THE LUMINAIRES INSTALLED IN BUILDING 4.

PANEL 1W1-1C														AIC RATING: 22,000A			
120/208 VOLT, 3 PHASE, 4 WIRE														PROVIDE SUB-FEED LUGS			
125 AMP MAIN BREAKER																	
SURFACE MOUNTED																	
CCT NO	LOAD V.A.	L T S	R E C	LOAD DESCRIPTION	R E M	AMP SIZE	Ø	AMP SIZE	P	R E M	LOAD DESCRIPTION	R E C	L T S	LOAD V.A.	CCT NO		
1				SPARE		1 20	A	20	1		SPARE				2		
3				SPARE		1 20	B	20	1		SPARE				4		
5	400	X		COMM/DATA 1354		1 20	C	20	1		COMM/DATA 1354	X		400	6		
7	400	X		COMM/DATA 1354		1 20	A	20	1		COMM/DATA 1354	X		400	8		
9	400	X		ELECTRICAL 1108		1 20	B	20	1		COMM/DATA 1354	X		400	10		
11				SPARE		1 20	C	20	1		SPARE				12		
13				SPARE		1 20	A	20	1		SPARE				14		
15				SPARE		1 20	B	20	1		SPARE				16		
17				SPARE		1 20	C	20	1		SPARE				18		
19				SPARE		1 20	A	20	1		SPARE				20		
21				SPARE		1 20	B	20	1		SPARE				22		
23				SPARE		1 20	C	20	1		SPARE				24		
25				SPARE		1 20	A				SPACE ONLY				26		
27				SPARE		1 20	B				SPACE ONLY				28		
29				SPARE		1 20	C				SPACE ONLY				30		
31				SPACE ONLY			A				SPACE ONLY				32		
33				SPACE ONLY			B				SPACE ONLY				34		
35				SPACE ONLY			A				SPACE ONLY				36		
37				SPACE ONLY			C				SPACE ONLY				38		
39				SPACE ONLY			B				SPACE ONLY				40		
41				SPACE ONLY			C				SPACE ONLY				42		

PANEL 1W1-1E														AIC RATING: 22,000A										
120/208 VOLT, 3 PHASE, 4 WIRE																								
400 AMP MAIN BREAKER														TWO SECTION										
SURFACE MOUNTED																								
CCT NO	LOAD V.A.	L	T	S	R	E	C	LOAD DESCRIPTION	R	E	M	AMP SIZE	Ø	AMP SIZE	P	R	E	M	LOAD DESCRIPTION	R	E	C	LOAD V.A.	CCT NO
1	1200	X						RECEPTACLES, RM 1314A				1 20	A	20	1				RECEPTACLES, RM 1314	X			800	2
3	500	X						COMPUTER STATION, RM 1314A				1 20	B	20	1				OPTICAL CART WASH, RM 1314				1440	4
5	1800							ENDOSCOPE REPROCESSOR, RM 1315C				1 20	C	20	1				RECEPTACLES, RM 1314	X			800	6
7	1800							ENDOSCOPE REPROCESSOR, RM 1315C				1 20	A	20	1				COMPUTER STATION, RM 1314A	X			500	8
9	1000	X						RECEPTACLES RM 1314, 1315C, 1315				1 20	B	20	1				COMPUTER STATION, RM 1314	X			500	10
11	1000	X						RECEPTACLES, PREP & STERILE 1315				1 20	C	20	1				COMPUTER STATION, RM 1314	X			500	12
13	800	X						RECEPTACLES, PREP & STERILE 1315				1 20	A	20	1				COMPUTER STATION, RM 1314	X			500	14
15	400	X						WORKSTATION PREP & STERILE 1315				1 20	B	20	1				RECEPTACLES, RM 1314	X			1200	16
17	400	X						WORKSTATION PREP & STERILE 1315				1 20	C	20	1				RECEPTACLES, PREP & STERILE 1315	X			800	18
19	400	X						WORKSTATION PREP & STERILE 1315				1 20	A	20	1				RECEPTACLES, RM 1317A, 1317, 1314	X			1200	20
21	400	X						WORKSTATION PREP & STERILE 1315				1 20	B	20	1				RECEPTACLES, RM 1314	X			1200	22
23	400	X						WORKSTATION PREP & STERILE 1315				1 20	C	20	1				INSTRUMENT DRYER, RM 1315				2288	24
25	400	X						WORKSTATION PREP & STERILE 1315				1 20	A	20	1				ENDOSCOPE REPROCESSOR, RM 1315C	X			1800	26
27	600	X						RECEPTACLES PREP & STERILE 1315				1 20	B	20	1				ENDOSCOPE REPROCESSOR, RM 1315C				1800	28
29	500	X						COMPUTER STATION, RM 1315				1 20	C	30	3				ULTRASONIC CLEANING SYSTEM, RM 1314				5668	30
31	500	X						COMPUTER STATION, RM 1315C				1 20	A	-	-	-			-				-	32
33	500	X						COMPUTER STATION, RM 1315C				1 20	B	-	-	-			-				-	34
35	500	X						COMPUTER STATION, RM 1315C				1 20	C	30	3				ULTRASONIC CLEANING SYSTEM, RM 1314				5668	36
37								SPARE				1 20	A	-	-	-			-				-	38
39								SPARE				1 20	B	-	-	-			-				-	40
41	12250	X						DISPOSER, RM 1317A				3 45	C	30	3				ULTRASONIC CLEANING SYSTEM, RM 1314				5668	42
43		X						-				-	-	A	-	-	-		-				-	44
45		X						-				-	-	B	-	-	-		-				-	46
47	1680	X						ETO STERILIZER, RM 1317A				1 20	C	30	3				ULTRASONIC CLEANING SYSTEM, RM 1314				5668	48
49		X						SPARE				1 20	A	-	-	-			-				-	50
51	500	X						COMPUTER STATION, RM 1314				1 20	B	-	-	-			-				-	52
53	800	X						RECEPTACLES RM 1317, 1317B, 1315A				1 20	C	20	3				LOW TEMP STERILIZER, RM 1315				5760	54
55	400							AIR DRYER, RM 1317A				1 20	A	-	-	-			-				-	56
57	1000	X						RECEPTACLES RM 1308, 1314				1 20	B	-	-	-			-				-	58
59	5400							STERRAD STERILIZER, RM 1315				3 30	C	20	3				LOW TEMP STERILIZER, RM 1315				5760	60
61		-						-				-	-	A	-	-	-		-				-	62
63		-						-				-	-	B	-	-	-		-				-	64
65	400	X						RECEPTACLES WOMENS LOCKER 1309				1 20	C	20	1				CU-3IAC-2 ELECTRICAL 1108				1800	66
67	400	X						RECEPTACLES MENS LOCKER 1310				1 20	A	20	3				SPARE					68
69	7674							UNIT HEATER "ELH"-1				3 30	B	-	-	-			-				-	70
71	-							-				-	-	C	-	-	-		-				-	72
73	-							-				-	-	A	30	3			SPARE					74
75								SPARE				1 20	B	-	-	-			-				-	76
77								SPARE				1 20	C	-	-	-			-				-	78
79								SPARE				1 20	A	20	1				PANEL 1W1-2E2					80
81								SPARE				1 20	B	20	1				SPARE					82
83								SPARE				1 20	C	20	1				SPARE					84