

'LCP' LIGHTING CONTACTOR SCHEDULE				
CIRCUIT	DESCRIPTION	ZONE	CONTACTOR SIZE	CONTACTOR #
L-1	EMPLOYEE LIGHTING	GROUP 1	30A/4P	1
L-3	EMPLOYEE LIGHTING	GROUP 1		
L-5	EMPLOYEE LIGHTING	GROUP 1		
L-7	EMPLOYEE LIGHTING	GROUP 1	30A/4P	2
P-41	EXHAUST FAN	GROUP 1		
L-10	EMPLOYEE LIGHTING	GROUP 1		
L-21	EMPLOYEE LIGHTING	GROUP 1	30A/4P	3
-	SPARE	GROUP 1		
L-12	SALES REPLENISHMENT LTG.	GROUP 1		
L-14	SALES REPLENISHMENT LTG.	GROUP 1	30A/4P	4
L-16	SALES REPLENISHMENT LTG.	GROUP 1		
L-18	SALES REPLENISHMENT LTG.	GROUP 1		
L-2	CUSTOMER LIGHTING	GROUP 2	30A/4P	5
L-4	CUSTOMER LIGHTING	GROUP 2		
L-6	CUSTOMER LIGHTING	GROUP 2		
L-8	CUSTOMER LIGHTING	GROUP 2	30A/4P	6
L-9	CUSTOMER LIGHTING	GROUP 2		
L-20	CUSTOMER LIGHTING	GROUP 2		
L-22	CUSTOMER LIGHTING	GROUP 2	30A/4P	7
P-13	INTERIOR SIGN	GROUP 2		
L-25	FURNITURE RECEPTACLES	GROUP 2		
L-27	FURNITURE RECEPTACLES	GROUP 2	30A/4P	8
L-29	FURNITURE RECEPTACLES	GROUP 2		
L-31	FURNITURE RECEPTACLES	GROUP 2		
L-17	EXTERIOR SECURITY LIGHTING	GROUP 3	30A/4P	9
P-40	EXTERIOR SIGN	GROUP 3		
P-42	EXTERIOR SIGN	GROUP 3		
P-22	EXTERIOR SIGN	GROUP 3	30A/4P	10
L-19	EXTERIOR LIGHTING	GROUP 4		
L-42	PYLON SIGN	GROUP 4		
-	SPARE	GROUP 4	30A/4P	10
-	SPARE	GROUP 4		
-	SPARE	GROUP 4		
L-34	SITE LIGHTING	GROUP 4	30A/4P	9
L-36	SITE LIGHTING	GROUP 4		
L-38	SITE LIGHTING	GROUP 4		
L-40	SITE LIGHTING	GROUP 4	30A/4P	10
-	SPARE	SPARE		
-	SPARE	SPARE		
-	SPARE	SPARE	30A/4P	10
-	SPARE	SPARE		
-	SPARE	SPARE		

LIGHT FIXTURE SCHEDULE									
TYPE	SYMBOL	DESCRIPTION	MANUFACTURER	LAMPS	VOLT	WATTS	REMARKS		
A		2x4 LED TROFFER FOR INSTALLATION IN LAY-IN ACOUSTIC CEILING TILE GRID	COLUMBIA LIGHTING# LCAT24-40W-G-U-EDU-PNCS	LED 4000K	120/277	58	OFFICES FACTORY INSTALLED W/HP CONNECTION.		
AE		2x4 LED TROFFER WITH 1400 LUMEN BATTERY FOR INSTALLATION IN LAY-IN ACOUSTIC CEILING TILE GRID	COLUMBIA LIGHTING# LCAT24-40W-G-U-EDU-PNCS-ELL-14	LED 4000K	120/277	58	EMERGENCY BATTERY. SEE GENERAL NOTE #1. VERIFY THAT EM BALLAST IS WIRED FOR APPROPRIATE VOLTAGE PRIOR TO WIRING FIXTURE. FACTORY INSTALLED W/HP CONNECTION.		
B		2x4 LED TROFFER FOR INSTALLATION IN LAY-IN ACOUSTIC CEILING TILE GRID	COLUMBIA LIGHTING# LCAT24-40W-G-U-EDU-PNCS	LED 4000K	120/277	58	TOILET ROOM FACTORY INSTALLED W/HP CONNECTION.		
BE		2x4 LED TROFFER WITH 1400 LUMEN BATTERY FOR INSTALLATION IN LAY-IN ACOUSTIC CEILING TILE GRID	COLUMBIA LIGHTING# LCAT24-40W-G-U-EDU-PNCS-ELL-14	LED 4000K	120/277	58	TOILET ROOM EMERGENCY BATTERY. SEE GENERAL NOTE #1. FACTORY INSTALLED W/HP CONNECTION.		
C		4' - LED CHAIN MOUNTED STRIP FIXTURE	COLUMBIA LIGHTING# MFS-8-40-HLHE-CW-EDV-4NT-LBC	LED 4000K	120/277	100	SALES & STORAGE AREA FOR OPEN CEILING PROVIDE CHAIN & INSTALL AT 12" O/CENT. RUN IN CONTINUOUS ROWS WHERE SHOWN. PROVIDED WITH COUPLER. NOTE #2 & #4.		
CE		4' - LED CHAIN MOUNTED STRIP FIXTURE WITH 1400 LUMEN BATTERY	COLUMBIA LIGHTING# MFS-8-40-HLHE-CW-EDV-ELL-14-NT-LBC	LED 4000K	120/277	100	SALES & STORAGE AREA FOR OPEN CEILING PROVIDE CHAIN & INSTALL AT 12" O/CENT. RUN IN CONTINUOUS ROWS WHERE SHOWN. EMERGENCY BATTERY. SEE GENERAL NOTE #1, 2, 4. PROVIDED WITH COUPLER.		
C1		4' - LED CHAIN MOUNTED STRIP FIXTURE	COLUMBIA LIGHTING# MFS-8-40-HLHE-CW-EDV-4NT-LBC	LED 4000K	120/277	50	SALES & STORAGE AREA FOR OPEN CEILING PROVIDE CHAIN & INSTALL AT 12" O/CENT. RUN IN CONTINUOUS ROWS WHERE SHOWN. PROVIDED WITH COUPLER. NOTE #2 & #4.		
C1E		4' - LED CHAIN MOUNTED STRIP FIXTURE WITH 1400 LUMEN BATTERY	COLUMBIA LIGHTING# MFS-8-40-HLHE-CW-EDV-ELL-14-NT-LBC	LED 4000K	120/277	50	SALES & STORAGE AREA FOR OPEN CEILING PROVIDE CHAIN & INSTALL AT 12" O/CENT. RUN IN CONTINUOUS ROWS WHERE SHOWN. EMERGENCY BATTERY. SEE GENERAL NOTE #1, 2, 4. PROVIDED WITH COUPLER.		
D		8' - LED SURFACE MOUNTED STRIP FIXTURE	COLUMBIA LIGHTING# MFS-8-40-HLHE-CW-EDV	LED 4000K	120/277	100	SALES & STORAGE AREA SURFACE MOUNTED FOR CEILING JOIST MOUNT PROVIDE CEILING CLIPS & SUPPORT FROM STRUCTURE AS REQUIRED BY CODE. FOR JOIST MOUNT, PROVIDE MOUNTING HARDWARE & UNISTRUT AS REQUIRED. RUN IN CONTINUOUS ROWS WHERE SHOWN. PROVIDED WITH COUPLER.		
DE		8' - LED SURFACE MOUNTED STRIP FIXTURE WITH 1400 LUMEN BATTERY	COLUMBIA LIGHTING# MFS-8-40-HLHE-CW-EDV-ELL-14	LED 4000K	120/277	100	SALES & STORAGE AREA SURFACE MOUNTED FOR CEILING JOIST MOUNT PROVIDE CEILING CLIPS & SUPPORT FROM STRUCTURE AS REQUIRED BY CODE. FOR JOIST MOUNT, PROVIDE MOUNTING HARDWARE & UNISTRUT AS REQUIRED. RUN IN CONTINUOUS ROWS WHERE SHOWN. EMERGENCY BATTERY. SEE GENERAL NOTE #1, 2. PROVIDED WITH COUPLER.		
D1		4' - LED SURFACE MOUNTED STRIP FIXTURE	COLUMBIA LIGHTING# MFS-8-40-HLHE-CW-EDV	LED 4000K	120/277	50	SALES & STORAGE AREA SURFACE MOUNTED FOR CEILING JOIST MOUNT PROVIDE CEILING CLIPS & SUPPORT FROM STRUCTURE AS REQUIRED BY CODE. FOR JOIST MOUNT, PROVIDE MOUNTING HARDWARE & UNISTRUT AS REQUIRED. RUN IN CONTINUOUS ROWS WHERE SHOWN. PROVIDED WITH COUPLER.		
D1E		4' - LED SURFACE MOUNTED STRIP FIXTURE WITH 1400 LUMEN BATTERY	COLUMBIA LIGHTING# MFS-8-40-HLHE-CW-EDV-ELL-14	LED 4000K	120/277	50	SALES & STORAGE AREA SURFACE MOUNTED FOR CEILING JOIST MOUNT PROVIDE CEILING CLIPS & SUPPORT FROM STRUCTURE AS REQUIRED BY CODE. FOR JOIST MOUNT, PROVIDE MOUNTING HARDWARE & UNISTRUT AS REQUIRED. RUN IN CONTINUOUS ROWS WHERE SHOWN. EMERGENCY BATTERY. SEE GENERAL NOTE #1, 2. PROVIDED WITH COUPLER.		
EM1		SELF-POWERED EXIT SIGN WITH 1 LED LAMP - UNIVERSAL MOUNTED - SINGLE FACE NOTE #9	COMPASS# DER	LED	120/277	5	SALES & STORAGE AREA EMERGENCY EXIT LIGHTS EQUIPPED WITH 90 MINUTE BATTERY BACK-UP. WIRE AHEAD OF LOCAL CONTROL.		
EM2		SELF-POWERED EXIT SIGN WITH 1 LED LAMP - UNIVERSAL MOUNTED - DOUBLE FACE NOTE #9	COMPASS# DER	LED	120/277	5	SALES & STORAGE AREA EMERGENCY EXIT LIGHTS EQUIPPED WITH 90 MINUTE BATTERY BACK-UP. WIRE AHEAD OF LOCAL CONTROL.		
EM3		SURFACE MOUNTED 2 HEAD EMERGENCY UNIT WITH REMOTE CAPACITY	DUAL LITER L20	HALOGEN	120/277	5	SALES & STORAGE AREA REMOTE CAPACITY		
EM4		EXTERIOR WP 2 LAMP REMOTE HEADS	DUAL LITER OCR-08-9665	HALOGEN	6	-	EXTERIOR PROVIDE WITH 2 HEAD MOUNTING PLATE WIRE TO EM3.		
EM5		EXTERIOR WP LED EMERGENCY FIXTURE WITH 4 LAMPS	HUBBELL LIGHTING# PG-2	LED	120/277	5	EXTERIOR WIRE SO THAT FIXTURE IS OFF WHEN BUILDING POWER IS AVAILABLE.		
SA		EXTERIOR WALL MOUNTED FIXTURE	HUBBELL LIGHTING# S31-20-407-DB	LED 4000K	120/277	20	EXTERIOR WALL MOUNTED FIXTURE. SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT.		
SB		EXTERIOR WALL MOUNTED FIXTURE	HUBBELL LIGHTING# S32-20-407-FT-UNV-DB	LED 4000K	120/277	30	EXTERIOR WALL MOUNTED FIXTURE AT 15'-0" ABOVE FINISHED GRADE.		
SC		EXTERIOR CEILING MOUNTED FIXTURE	BEACON# SRT-1-35-407-50W	LED 4000K	120/277	36	SURFACE MOUNT ON CANOPY.		

LIGHTING FIXTURE SCHEDULE NOTES (SEE REMARKS)

- FOR EMERGENCY FIXTURES AE, A1E, BE, CE, C1E, DE & D1E NOT SHOWN AS NIGHT LIGHTS, RUN AN EXTRA HOT CONDUCTOR (BYPASSING ALL CONTROL) AND CONNECT TO EMERGENCY BATTERY. FIXTURES SHALL BE SHUT OFF WITH LOCAL LIGHT FIXTURE CONTROL.
- FOR ALL CHAIN MOUNTED FIXTURES E.C. SHALL PROVIDE EXTENSIONS AS REQUIRED TO INSTALL LIGHT FIXTURES AT HEIGHTS AS NOTED.
- MOUNT EXIT SIGNS A MINIMUM OF 1'-0" ABOVE TOP OF EGRESS DOOR. PROVIDE PENDANT IF REQUIRED. FOR SIGNS NOT MOUNTED DIRECTLY ABOVE AN EGRESS DOOR, IN SALES AREA MOUNT EXIT SIGNS 6' BELOW TYPE 'C' FIXTURES. IN SALES REPLENISHMENT AREA MOUNT EXIT SIGNS 12' BELOW TYPE 'D' FIXTURES.
- THE LIGHT FIXTURE SHALL BE PROVIDED WITH A 7 WIRE HARNESS WITH PIN CONNECTORS FOR BRANCH CIRCUIT THROUGH WIRING FOR CONTINUOUS ROW MOUNTING.

REFER TO SHEET A0.0 FOR LIGHTING VENDOR CONTACT INFORMATION.

Order Plans @

M											
MOUNTING SURFACE					LOCATION						
BUS RATING: 600A					A.I.C.: 65,000						
200A MAIN LUG ONLY					AMPS CONN: 342.8						
800A MAIN CIRCUIT BREAKER					AMPS DEMAND: 433.6						
VOLTAGE: 120/208V-3PH-4W					BREAKER REMARKS: C-CONTACTOR CONTROLLED, S-SHUNT TRIP, L-LOCK ON, G-GFCI, A-ARC FAULT, SW-SWITCHING DUTY, HA-HACR, HH-HD.						
COMMENTS:											
CKT.	DESCRIPTION	KVA CONNECTED			REMARKS	C/B	KVA CONNECTED			DESCRIPTION	CKT.
		REC.	HVAC	MISC.			MISC.	HVAC	REC.	LTG.	
1	RTU-01	5.0			-	60/3	5.0				RTU-02
3		5.0			-	60/3	5.0				4
5		5.0			-	60/3	5.0				6
7		5.0			-	60/3	3.7				8
9		5.0			-	45/3	3.7				10
11		5.0			-	45/3	3.7				12
13					-						14
15	PANEL 1	19.7	4.0	4.0	-	150/3	8.1	0.8	15.8	3.6	PANEL 1*
17					-						16
19		3.7			-						18
21	RTU-05	3.7			-	60/3					20
23		3.7			-						22
25					-						24
27	SPARE				-	60/3					26
29					-						28
TOTALS		19.7	4.0	41.1			8.3	26.9	15.8	3.6	TOTALS
LOAD		CONNECTED			DEMAND						
LIGHTING		23.3			57.1 (115,234 SQ FT. X 3 X 1.25) / 1000)						
RECEPTACLE		19.8			14.9						
HVAC		68.0			71.8						
MISC		12.3			12.3						

L											
MOUNTING SURFACE					LOCATION						
BUS RATING: 200A					A.I.C.: 65,000						
200A MAIN LUG ONLY					AMPS CONN: 78.9						
VOLTAGE: 120/208V-3PH-4W					AMPS DEMAND: 90.6						
COMMENTS: CAN BE SERIES RATED											
CKT.	DESCRIPTION	KVA CONNECTED			REMARKS	C/B	KVA CONNECTED			DESCRIPTION	CKT.
		LTG.	REC.	HVAC			MISC.	HVAC	REC.	LTG.	
1	SALES LIGHTING	0.9			20/1	C				0.4	SALES LIGHTING
3	SALES LIGHTING	0.2			20/1	C				0.4	SALES LIGHTING
5	SALES LIGHTING	0.2			20/1	C				0.8	SALES LIGHTING
7	SALES LIGHTING	0.7			20/1	C				0.7	SALES LIGHTING
9	SALES LIGHTING	0.8			20/1	C				0.9	SALES LIGHTING
11	SALES LIGHTING	0.9			20/1	C				1.3	SALES REPLENISHMENT LIGHTING
13	OFFICE, BREAKROOM, TOILET LIGHTING	0.4			20/1	-				1.3	SALES REPLENISHMENT LIGHTING
15	NIGHT / EMERGENCY LIGHTING	1.2			20/1	L				0.5	SALES REPLENISHMENT LIGHTING
17	EXTERIOR LIGHTING	1.0			20/1	C				0.5	SALES REPLENISHMENT LIGHTING
19	EXTERIOR LIGHTING	1.0			20/1	C				0.7	SALES LIGHTING
21	SALES LIGHTING	0.7			20/1	C				0.6	SALES LIGHTING
23	SPARE				20/1	-					24
25	FURNITURE RECEPTACLE		1.0		20/1	C					26
27	FURNITURE RECEPTACLE		1.0		20/1	C					28
29	FURNITURE RECEPTACLE		1.0		20/1	C					30
31	FURNITURE RECEPTACLE		1.0		20/1	C					32
33	SPARE				20/1	-				0.7	SITE LIGHTING
35	CHARGER				20/1	-				0.7	36
37	SPARE				20/1	-				0.4	SITE LIGHTING
39	SPARE				20/1	-				1.2	40
41	SPARE				20/1	-				0.4	42
TOTALS		4.0	4.0	4.0			0.00	0.00	0.00	11.7	TOTALS
LOAD		CONNECTED			DEMAND						
LIGHTING		17.7			24.6						
RECEPTACLE		4.0			4.0						
HVAC		-			-						
MISC		0			4.0						

P											
MOUNTING SURFACE					LOCATION						
BUS RATING: 200A					A.I.C.: 65,000						
200A MAIN LUG ONLY					AMPS CONN: 79.2						
VOLTAGE: 120/208V-3PH-4W					AMPS DEMAND: 73.9						
COMMENTS: CAN BE SERIES RATED WITH ISO GND BUS											
CKT.	DESCRIPTION	KVA CONNECTED			REMARKS	C/B	KVA CONNECTED			DESCRIPTION	CKT.
		LTG.	REC.	HVAC			MISC.	HVAC	REC.	LTG.	
1	ISO GND RECEPTACLE		0.4		20/1	-				0.4	ISO GND RECEPTACLE
3	GENERAL RECEPTACLE		0.8		20/1	-				0.8	GENERAL RECEPTACLE
5	CASHWRAP RECEPTACLE (D) (ISO GND.)		0.6		20/1	-				0.8	CASHWRAP RECEPTACLE
7	CASHWRAP RECEPTACLE (D) (ISO GND.)		0.8		20/1	-				0.4	SALES OUTLET
9	CASHWRAP RECEPTACLE (D) (ISO GND.)		0.8		20/1	-				0.8	CASHWRAP RECEPTACLE
11	CASHWRAP RECEPTACLE (D) (ISO GND.)		0.8		20/1	-		1.0		1.0	POWER DOORS
13	INTERIOR SIGN		1.0		20/1	C				1.0	POWER DOORS
15	HAND DRYER				1.2	20/1	-				16
17	HAND DRYER				1.2	20/1	-			0.4	ISO GND RECEPTACLE
19	LCP				0.2	20/1	-			0.4	ISO GND RECEPTACLE
21	REFRIGERATOR				0.8	20/1	-			1.2	EXTERIOR SIGN
23	BREAKROOM RECEPTACLE		0.4		20/1	-				0.8	BREAKROOM RECEPTACLE
25	SECURITY ISO GND RECEPTACLE		0.4		20/1	-				0.4	TELEPHONE ISO GND RECEPTACLE
27	SECURITY ISO GND RECEPTACLE		0.4		20/1	-	</				