

Panel Wiring Schedule (3-Phase)

Ckt. No.	Zone	Load Description	Brkr. Size	Brkr. Opts.	N.E.C. kVA	Phase	N.E.C. kVA	Brkr. Opts.	Brkr. Size	Load Description	Zone	Ckt. No.
1		AHU-1	300	HACR	5.720	A	3.823	HACR	250	ACCU-1		2
3					5.720	B	3.823					4
5					5.720	C	3.823					6
7		ACCU-2	250	HACR	3.823	A	5.720	HACR	300	AHU-2		8
9					3.823	B	5.720					10
11					3.823	C	5.720					12
13		WATER HEATER	200		1.333	A	12.835	SF	700	45kVA TRANSFORMER		14
15					1.333	B	12.835					16
17					1.333	C	14.829					18

Notes
 * All circuit breakers to be 20-Amp, 1-Pole unless otherwise noted.
 ** All Phases to be balanced to within 10% using Actual Load Totals.
 N.E.C. Connected Totals: Ph.A 33.254 kVA
 N.E.C. Connected Totals: Ph.B 32.921 kVA
 N.E.C. Connected Totals: Ph.C 35.248 kVA
 Total 101.423 kVA
 E Existing Circuit to remain
 IG Isolated Ground Circuit
 Connected Load: 122.0 amps
 NEC Demand Feeder Load: 106.6 amps

Breaker Options:
 AS Powerlink AS Breaker
 LO Handle lock-on device
 ST Shunt Trip Type
 AUX Auxiliary Contacts
 PA Handle Padlock Attachment
 GFCI Ground Fault Circuit Interrupter
 HACR Heating, AC & Refrigeration
 SF Subfeed
 AFCI Arc Fault Circuit Interrupter

Panel Wiring Schedule (3-Phase)

Ckt. No.	Zone	Load Description	Brkr. Size	Brkr. Opts.	N.E.C. kVA	Phase	N.E.C. kVA	Brkr. Opts.	Brkr. Size	Load Description	Zone	Ckt. No.
1		SF TRACK #4	0.240	A	0.253					CORRIDOR/RR/OFFICE LTS		2
3		SF CHANDELIER	0.018	B	0.200					STORAGE LTS		4
5		FOCAL POINT LTS/DRIVER	0.208	C	0.652					STORAGE LTS		6
7		TRACK #1	0.950	A	0.000					SPARE		8
9		TRACK #2	0.480	B	0.000					SPARE		10
11		TRACK #3 FOCAL POINT	0.600	C	0.000					SPARE		12
13		STRIP LTS DRIVER	0.210	A	0.000					SPARE		14
15		BEAUTY GENERAL LTS	0.832	B	0.000					SPARE		16
17		BEAUTY MIRROR/SINK LTS	0.070	C	0.000					SPARE		18
19		BEAUTY CHANDELIER	0.032	A	0.000					SPARE		20
21		FIT RM GENERAL LTS	0.312	B	0.000					SPARE		22
23		FIT RM CHANDELIER LTS	0.319	C	0.000					SPARE		24
25		GENERAL SALES LTS	0.135	A	0.000					SPARE		26
27		SPARE	0.000	B	0.000					SPARE		28
29		SPARE	0.000	C	0.000					SPARE		30
31		SPARE	0.000	A	0.000					SPARE		32
33		SPARE	0.000	B	0.000					SPARE		34
35		SPARE	0.000	C	1.200	LO				SF SIGN		36
37		SPARE	0.000	A	0.030					EXTERIOR PEDESTRIAN LTS		38
39		SPARE	0.000	B	0.400	LO				SALES EXH/EM LTS		40
41		SPARE	0.000	C	0.500	LO				LIGHTING CONTROLS		42

Notes
 * All circuit breakers to be 20-Amp, 1-Pole unless otherwise noted.
 ** All Phases to be balanced to within 10% using Actual Load Totals.
 N.E.C. Connected Totals: Ph.A 1.860 kVA
 N.E.C. Connected Totals: Ph.B 2.242 kVA
 N.E.C. Connected Totals: Ph.C 3.549 kVA
 Total 7.651 kVA
 E Existing Circuit to remain
 IG Isolated Ground Circuit
 Connected Load: 21.2 amps
 NEC Demand Feeder Load: 37.6 amps

Breaker Options:
 AS Powerlink AS Breaker
 LO Handle lock-on device
 ST Shunt Trip Type
 AUX Auxiliary Contacts
 PA Handle Padlock Attachment
 GFCI Ground Fault Circuit Interrupter
 HACR Heating, AC & Refrigeration
 SF Subfeed
 AFCI Arc Fault Circuit Interrupter

Panel Wiring Schedule (3-Phase)

Ckt. No.	Zone	Load Description	Brkr. Size	Brkr. Opts.	N.E.C. kVA	Phase	N.E.C. kVA	Brkr. Opts.	Brkr. Size	Load Description	Zone	Ckt. No.
1		SF RECP	0.540	A	1.260					CORR/RR RECP		
3		SHOW WINDOW RECP	0.900	B	0.540					FIT ROOM RECP		
5		FOCAL POINT RECP	0.720	C	0.720					RECV GENERAL RECP		
7		CASHWRAP CONV RECP	0.360	A	1.080					BOH GENERAL RECP		
9		BACKWRAP CONV RECP	1.080	B	0.720	LO 15H				TYCO AL RECP		
11		SALES GENERAL RECP	1.440	C	2.880	LO 30H				UPS RECP		
13		SALES GENERAL RECP	1.260	A	1.500					MANAGERIAL RECP		
15		BEAUTY DISPLAY LTS RECP	0.720	B	0.720					MANAGERIAL RECP		
17		BEAUTY IPAD USB RECP	0.180	C	0.000					SPARE		
19		BEAUTY GENERAL RECP	0.900	A	0.000					SPARE		
21		SCENT SYSTEM	0.600	B	1.080	LO				SERVER/SUB PANEL		
23		FIT ROOM MIRROR RECP	0.900	C	1.080					SPARE		
25		SPARE	0.000	A	0.875	LO				OSCILLATING STORAGE FAN		
27		SPARE	0.000	B	0.000	LO				FORM EXHAUST FAN		
29		SPARE	0.000	C	0.000					SPARE		
31		SPARE	0.000	A	3.000					SPARE		
33		SPARE	0.000	B	3.000	300				DREAM STEAMER		
35		SPARE	0.000	C	3.000					SPARE		
37		SPARE	1.860	A	0.000	LO				SENSORMATIC SYSTEM		
39		SPARE	2.242	B	0.000	LO				FIRE ALARM PANEL		
41		SPARE	3.549	C	0.000	LO				HVAC RECP		

Notes
 * All circuit breakers to be 20-Amp, 1-Pole unless otherwise noted.
 ** All Phases to be balanced to within 10% using Actual Load Totals.
 N.E.C. Connected Totals: Ph.A 12.835 kVA
 N.E.C. Connected Totals: Ph.B 12.502 kVA
 N.E.C. Connected Totals: Ph.C 14.829 kVA
 Total 40.166 kVA
 E Existing Circuit to remain
 IG Isolated Ground Circuit
 Connected Load: 111.5 amps
 NEC Demand Feeder Load: 116.6 amps

Breaker Options:
 AS Powerlink AS Breaker
 LO Handle lock-on device
 ST Shunt Trip Type
 AUX Auxiliary Contacts
 PA Handle Padlock Attachment
 GFCI Ground Fault Circuit Interrupter
 HACR Heating, AC & Refrigeration
 SF Subfeed
 AFCI Arc Fault Circuit Interrupter

Panel Wiring Schedule (3-Phase)

Ckt. No.	Zone	Load Description	Brkr. Size	Brkr. Opts.	N.E.C. kVA	Phase	N.E.C. kVA	Brkr. Opts.	Brkr. Size	Load Description	Zone	Ckt. No.
1		REG #1-A RECP	LO		0.360	A	0.360	LO		REG #2-A RECP		2
3		TOE KICK RECP (LEFT)	LO		0.180	B	0.180	LO		TOE KICK RECP (RIGHT)		4
5		MANAGERS LEDGE RECP	LO		0.180	A	0.180	LO		RECEIVING LEDGE RECP		6
7		SERVER RECP	LO		0.360	B	0.360	LO		BEAUTY REG-A- RECP		8
9		SPACE			0.000	A	0.000			SPACE		10
11		SPACE			0.000	B	0.000			SPACE		12

Notes
 * All circuit breakers to be 20-Amp, 1-Pole unless otherwise noted.
 ** All Phases to be balanced to within 10% using Actual Load Totals.
 N.E.C. Connected Totals: Ph.A 1.080 kVA
 N.E.C. Connected Totals: Ph.B 1.080 kVA
 N.E.C. Connected Totals: Ph.C 1.080 kVA
 Total 2.160 kVA
 E Existing Circuit to remain
 IG Isolated Ground Circuit
 Connected Load: 6.0 amps
 NEC Demand Feeder Load: 6.0 amps

Breaker Options:
 AS Powerlink AS Breaker
 LO Handle lock-on device
 ST Shunt Trip Type
 AUX Auxiliary Contacts
 PA Handle Padlock Attachment
 GFCI Ground Fault Circuit Interrupter
 HACR Heating, AC & Refrigeration
 SF Subfeed
 AFCI Arc Fault Circuit Interrupter

ELECTRIC LOAD SUMMARY (TRANSFORMER)

DESCRIPTION	N.E.C. CONNECTED kVA	NEC DEMAND NOTES	N.E.C. DEMAND FACTOR	N.E.C. DEMAND kVA
LIGHTING (CONTINUOUS)	5.951	[1]	1.25	7.439
TRACK LIGHT DEMAND ALLOWANCE	-	[2]	-	0.000
SHOW WINDOW DEMAND ALLOWANCE	-	[3]	-	4.400
KIT APPLIANCE	0.000	[4]	1.00	0.000
RECEPTACLES	18.660	[5]	-	14.030
MOTORS	1.275	[6]	-	1.275
HVAC SYSTEM	0.000	[7]	-	0.000
HVAC SYSTEM - NON COINCIDENT	0.000	[7]	0.0	0.000
ELECTRIC WATER HEATER	0.000	-	1.0	0.000
MISCELLANEOUS	14.880	-	1.0	14.880
TOTAL	40.166	-	-	42.024

N.E.C. DEM. kVA X 1000
 SYS. VOLTAGE X 1.732
 = MINIMUM FEEDER AMPERAGE
 42.024 X 1000 / 208 X 1.732 = 116.6 AMPS

ELECTRIC LOAD SUMMARY

DESCRIPTION	N.E.C. CONNECTED kVA	NEC DEMAND NOTES	N.E.C. DEMAND FACTOR	N.E.C. DEMAND kVA
LIGHTING (CONTINUOUS)	5.951	[1]	1.25	7.439
TRACK LIGHT DEMAND ALLOWANCE	-	[2]	-	0.000
SHOW WINDOW DEMAND ALLOWANCE	-	[3]	-	4.400
KIT APPLIANCE	0.000	[4]	1.00	0.000
RECEPTACLES	18.660	[5]	-	14.030
MOTORS	1.275	[6]	-	1.275
HVAC SYSTEM	0.000	[7]	-	0.000
HVAC SYSTEM - NON COINCIDENT	0.000	[7]	0.0	0.000
ELECTRIC WATER HEATER	0.000	-	1.0	0.000
MISCELLANEOUS	14.880	-	1.0	14.880
TOTAL	101.423	-	-	103.281

N.E.C. DEM. kVA X 1000
 SYS. VOLTAGE X 1.732
 = MINIMUM FEEDER AMPERAGE
 103.281 X 1000 / 208 X 1.732 = 124.2 AMPS

- LOAD SUMMARY NOTES:**
 [1] DEMAND FACTOR IS AS PER ENCL. IN LIGHTING LOAD.
 [2] 150%/2FT OR MORE VOLTAGE DROP. SUN/LOW VOLTAGE XFMR'S - CONNECTED LOAD
 [3] 20% D.F. - ALL CONNECTED LOAD
 [4] KIT DEMAND FACTOR PER NEC 220.56
 [5] 0.0 - 100% REMAINING + 50%
 [6] 125% OF LARGEST MOTOR COMPRESSOR IN SYSTEM APPLIED ON ONE UNIT.
 [7] EQUIPMENT WILL BE OPERATING WHILE SYSTEM IS AT MAXIMUM DEMAND.

CURRENT LIMITER PANEL

TRACK #	CURRENT LIMITER	CIRCUIT BREAKER	LIMITER SIZE	CIRCUIT WATTAGE
TRK #1	CL-1	L-7	8 AMP	960 WATTS
TRK #2	CL-2	L-9	4 AMP	480 WATTS
TRK #3	CL-3	L-11	5 AMP	600 WATTS
TRK #4	CL-4	L-1	2 AMP	240 WATTS
TRK #5	CL-5	SPARE	SPACE	SPACE
TRK #6	CL-6	SPARE	SPACE	SPACE
TRK #7	CL-7	SPARE	SPACE	SPACE
TRK #8	CL-8	SPARE	SPACE	SPACE
TRK #9	CL-9	SPARE	SPACE	SPACE
TRK #10	CL-10	SPARE	SPACE	SPACE
TRK #11	CL-11	SPARE	SPACE	SPACE
TRK #12	CL-12	SPARE	SPACE	SPACE
TRK #13	CL-13	SPARE	SPACE	SPACE
TRK #14	CL-14	SPARE	SPACE	SPACE
TRK #15	CL-15	SPARE	SPACE	SPACE
TRK #16	CL-16	SPARE	SPACE	SPACE

GREENGATE TRACKKEEPER CURRENT LIMITING SUBPANEL MODE #TK16

ELECTRICAL RESPONSIBILITY SCHEDULE

	FURNISHED BY				INSTALLED BY				
	EXISTING	LANDLORD	OWNER	TENANT/CONTRACTOR	OTHERS	LANDLORD	OWNER	TENANT/CONTRACTOR	OTHERS
MAIN OVERCURRENT DEVICE IN LANDLORD'S ELECTRIC ROOM	•								
PANELBOARD CONDUIT TO SPACE	•								
PANELBOARD FEEDERS TO SPACE	•								
METER REQUIREMENTS	•								
EXTEND EXISTING SERVICE TO NEW PANEL BOARD	•								
LIGHT FIXTURES AND LAMPS				•				•	
OUTLETS AND SWITCHES				•				•	
GENERAL CONDUIT & WIRING				•				•	
TELEPHONE CONDUIT W/ PULL WIRE	•								
TELEPHONE CABLING	•								
TELEPHONE EQUIPMENT									• CONDUIT INSTALLED ONLY IF REQUIRED BY CODE
DATA CONDUIT				•				•	
DATA CABLING				•				•	
VIDEO/TV CONDUIT				•				•	
VIDEO CABLING				•				•	
TEMPORARY UTILITY CHARGES				•				•	
TENANT ELECTRICAL PANELS				•				•	
TENANT ELECTRICAL TRANSFORMER				•				•	
TENANT FIRE ALARM SYSTEM				•				•	AT TENANT'S EXPENSE
SENSORMATIC				•				•	FURNISHED AND INSTALLED BY EAS VENDOR
SENS									