Last save: Apr 11, 2019 - 9:56am

ELECTRICAL RESPONSIBILITY SCHEDULE

	EXISTING	FURNISHED BY: LANDLORD	FURNISHED BY: REEBOK	FURNISHED BY: TENANT CONTRACTOR	INSTALLED BY: REEBOK	INSTALLED BY: TENANT CONTRACTOR	INSTALLED BY: LANDLORD	REMARKS
MAIN OVERCURRENT DEVICES IN LANDLORD'S ELECTRIC ROOM	●							FIELD VERIFY WITH LANDLORD
ELECTRIC SERVICE CONDUITS TO LEASE SPACE	●							FIELD VERIFY WITH LANDLORD
ELECTRIC SERVICE FEEDERS TO LEASE SPACE	●							FIELD VERIFY WITH LANDLORD
METER REQUIREMENTS	●							FIELD VERIFY WITH LANDLORD
LIGHT FIXTURES AND LAMPS			●			●		
OUTLETS AND SWITCHES				●		●		
GENERAL CONDUIT & WIRING				●		●		
TELEPHONE SERVICE CONDUIT W/ PULL WIRE	●			●		●		FIELD VERIFY WITH LANDLORD
TELEPHONE CONDUIT W/ PULL WIRE				●		●		
TELEPHONE CABLING			●			●		
TELEPHONE EQUIPMENT			●		●			
LOW VOLTAGE CABLING AND CONDUIT			●	●		●		SPEAKER CABLING BY VENDOR
TEMPORARY UTILITY CHARGES								NA
TENANT ELECTRICAL PANELS				●		●		
LIGHTING CONTROL AND CURRENT LIMITING PANEL			●			●		
SENSORMATIC			●	●		●		GC TO RUN WIRE. GC TO COORDINATE FINAL INSTALLATION WITH REQUIRED VENDOR.
TRANSFORMER								NA
DOOR BUZZER				●		●		VIF
SPEAKER CABLING			●		●			
SECURITY CABLING AND CONDUIT				●		●		
SECURITY ALARM EQUIPMENT			●		●			GC TO COORDINATE WITH REQUIRED VENDOR.

ELECTRIC LOAD SUMMARY

208Y/120V SERVICE

DESCRIPTION	N.E.C. CONNECTED kVA	NEC DEMAND NOTES	N.E.C. DEMAND FACTOR	N.E.C. DEMAND kVA
LIGHTING (CONTINUOUS)	9.728	[1]	1.25	12.160
TRACK LIGHT DEMAND ALLOWANCE	-	[2]	-	0.000
SHOW WINDOW DEMAND ALLOWANCE	-	[3]	-	6.003
KIT APPLIANCE	0.000	[4]	1.00	0.000
RECEPTACLES	7.740	[5]	-	7.740
MOTORS	0.000	[6]	-	0.000
HVAC SYSTEM	66.752	[6]	-	67.477
HVAC SYSTEM - NON COINCIDENT	0.000	[7]	0.0	0.000
ELECTRIC WATER HEATER	5.600	-	1.0	5.600
MISCELLANEOUS	4.000	-	1.0	4.000
	93.820			102.980

N.E.C. DEM. KVA X 1000 / SYS. VOLTAGE X 1.732 = 102.980 X 1000 / 208 X 1.732 = MINIMUM FEEDER AMPERAGE

= 285.9 AMPS/ REUSE EXISTING 300AMP SERVICE

LOAD SUMMARY NOTES:

[1] POWER FACTOR IS ALREADY INCLUDED IN LIGHTING LOAD.
[2] 150VA/2FT OF LINE VOLTAGE TRACK + SUM LOW VOLTAGE XFRMS - CONNECTED LOAD
[3] 200VA/LF - ACTUAL CONNECTED LOAD
[4] KIT APPLIANCE DEMAND FACTOR PER NEC 220-56
[5] 0.0 < 10KW = 100%, REMAINING = 50%
[6] 125% OF THE LARGEST MOTOR OR COMPRESSOR IN SYSTEM APPLIED ON ONE UNIT.
[7] EQUIPMENT WILL NOT BE OPERATING WHILE SYSTEM IS AT MAXIMUM DEMAND.

Panel Wiring Schedule (3-Phase)

Panelboard: LP | Voltage: 208Y/120 | Phase: 3 | Options/Notes
Panel Type: NQ | OCPD: 300A M.C.B. | Wire: 4
NEMA Type: 1 | Mounting: SURFACE | Buss: 400A | AIC Rating: 7,370

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			0.900	A	1.018			SF TRK #1 LTS		2
3		CASHWRAP RECP		LO	0.720	B	1.800			TRACK #2 LTS		4
5		CASHWRAP RECP		LO	0.720	C	1.800			TRACK #3 LTS		6
7		BACKWRAP RECP			0.360	A	0.715			SALES GENERAL LTS		8
9		BACKWRAP MONITOR RECP			0.180	B	0.935			SALES GENERAL LTS		10
11		SALES GENERAL RECP			0.720	C	0.168			SALES DECORATIVE LTS		12
13		SENSORMATIC		LO	0.500	A	0.174			FITTING ROOM LTS		14
15		MANAGERS OFFICE RECP			0.360	B	1.200	LO		SF SIGN		16
17		MANAGERS OFFICE RECP			0.360	C	0.518			BOH LTS		18
19		MANAGERS OFFICE RECP			0.360	A	0.500			EX/EM LTS		20
21		NETWORK EQUIP RECP		LO	0.360	B	0.000			SPACE		22
23		NETWORK EQUIP RECP		LO	0.360	C	0.000			SPACE		24
25		MUSIC EQUIP RECP		LO	0.360	A	0.000			SPACE		26
27		SECURITY EQUIP RECP		LO	0.360	B	0.000			SPACE		28
29		RFID RECP		LO	0.500	C	0.000			SPACE		30
31		WATER HEATER			1.500	A	0.000			SPACE		32
33		RESTROOM INSTA-HOT (E)	25/2		2.050	B	0.000			SPACE		34
35					2.050	C	0.000			SPACE		36
37		REFRIGERATOR			1.200	A	0.000			SPACE		38
39		MICROWAVE			0.800	B	0.000			SPACE		40
41		BOH GENERAL RECP			0.720	C	0.000			SPACE		42
43		WORKSTATION RECP			0.720	A	1.768			AHU-1/ACCU-1		44
45		WATER COOLER CHILLER			0.500		1.768					46
47		PHONEBOARD RECP			0.180	C	0.540			RTU RECP		48
49		SECURITY RECP			0.360	A	10.536					50
51		LIGHTING CONTROLS			0.500	B	10.536	HACR	90/3	RTU-1 (E)		52
53		SPARE			0.000		10.536					54
55		SPARE			0.000		10.536					56
57		SPARE			0.000	B	10.536	HACR	90/3	RTU-2 (E)		58
59		SPARE			0.000	C	10.536					60

Notes
* All circuit breakers to be 1 Amp, 1-Pole unless otherwise noted.
** All Phases to be balanced within 10% using Actual Load Totals.

E Existing circuit to remain
IG Isolated Ground Circuit

N.E.C. Connected Totals: Ph.A	31.507	kVA
N.E.C. Connected Totals: Ph.B	32.605	kVA
N.E.C. Connected Totals: Ph.C	29.708	kVA
Total	93.820	kVA
Connected Load:	260.4	amps
NEC Demand Feeder Load:	285.9	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, A/C & Refrigeration
SF Subfeed
AFCI Arc Fault Circuit Interrupter

ELECTRICAL EQUIPMENT CONNECTION SCHEDULE

UNIT	VOLTAGE	FLA	MCA	MOCP A/POLE	GROUNDED AND UNGROUNDED CONDUCTORS	CONDUIT	SWITCH DISCONNECT AT UNIT	CIRCUIT	CONNECTION NOTES
RTU -1	208V, 3 PHASE		87.80 A	90/3	(3) #3 THWN & (1) #8 GND (E)	1-1/4" (E)	100A, 3-POLE, NONFUSED WP (E)	LP-50[illegible]/4	1
RTU -2	208V, 3 PHASE		87.80 A	90/3	(3) #3 THWN & (1) #8 GND (E)	1-1/4" (E)	100A, 3-POLE, NONFUSED WP (E)	LP-56/58[illegible]	1
ACCU -1	208V, 1 PHASE	----	17.00 A	30/2	(3) #12 THWN & (1) #12 GND	3/4"	30A, 3-POLE, NONFUSED	-44/46	2
AHU -1					(4) #10 THWN & (1) #10 GND	3/4"	30A, 3-POLE, NONFUSED, WP		2

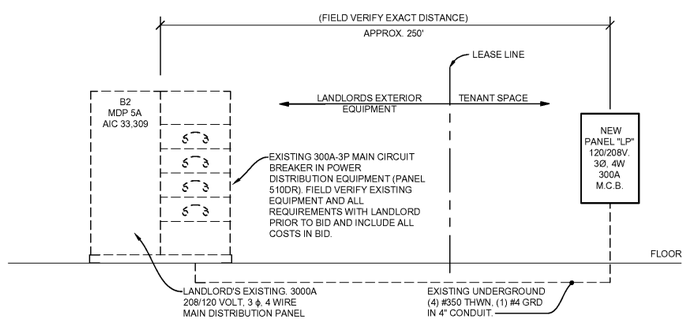
NOTE:

VERIFY EXACT OVER CURRENT PROTECTION/DISCONNECT REQUIREMENTS (PER N.E.C. #440) WITH EQUIPMENT MANUFACTURER NAMEPLATE DATA PRIOR TO RECEIPT AT JOB SITE. CONTACT ENGINEER WITH ANY DISCREPANCIES. ELECTRICAL CONTRACTOR TO MAKE ALL FINAL ELECTRICAL POWER CONNECTIONS.

CONNECTION NOTES:
1. EXISTING AHU'S TO REMAIN AND BE REUSED.
2. RUN (4) #12 WIRES FROM ACCU TO AHU. POWER FOR AHU ORIGINATES FROM ACCU. REFER TO MANUFACTURERS WIRING DIAGRAM.

RISER DIAGRAM GENERAL NOTES:

A. HVAC CIRCUIT BREAKERS TO BE "HACR" TYPE WHERE REQUIRED BY EQUIPMENT NAMEPLATE PER N.E.C.
B. TENANT'S ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXACT K.A.I.C. RATING OF LANDLORD'S DISTRIBUTION EQUIPMENT. FURNISH AND INSTALL TENANTS ELECTRICAL SYSTEM TO MATCH.
C. ELECTRICAL CONTRACTOR SHALL BALANCE ALL PANELS AND ELECTRICAL EQUIPMENT, UNDER LOAD CONDITIONS, TO ±10% BETWEEN PHASES. A/B, B/C, A/C REGARDLESS OF CIRCUITING INDICATED.
D. PROPER CLEARANCE MUST BE MAINTAINED ABOUT ELECTRICAL EQUIPMENT PER N.E.C. FIELD VERIFY EXACT MOUNTING SPACE AVAILABLE IN ELECTRICAL ROOM/ AREA PRIOR TO INSTALLATION OF ELECTRICAL EQUIPMENT.
E. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS FOR A COMPLETE ELECTRICAL DISTRIBUTION SYSTEM.
F. TENANT'S NAME AND SPACE SHALL BE ENGRAVED ON A BAKELITE PLATE WITH 1" HIGH LETTERS. SCREW FASTEN TO THE METER SOCKET AND DISCONNECT SWITCH AT THE SERVICE DISTRIBUTION POINT.
G. ALL CONNECTIONS TO LANDLORD'S SERVICE EQUIPMENT SHALL BE AS DIRECTED BY LANDLORD'S SITE REPRESENTATIVE. TENANT ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TERMINATION EXPENSES.



POWER RISER DIAGRAM
NTS
ALL NEW TERMINATIONS SHALL BE 75° C RATED

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES. THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

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SEAL

ISSUED
4/12/19 LL & PERMIT REVIEW

REVISIONS
1 - -

OWNER/CLIENT
REEBOK INTERNATIONAL

PROJECT
CHARLOTTE PREMIUM OUTLETS

5518 NEW FASHION WAY
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DRAWING TITLE
ELECTRICAL SCHEDULES AND SCHEMATICS

DRAWING INFORMATION
Job Number: 219007
Checked By: DFG
Drawn By: PMN

DRAWING NUMBER
E

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