PANELBOARD SCHEDULE "CH1"

225 A. MAIN L.O. 208/120 VOLTS
FLUSH MOUNTING NEMA 1 3 PHASE 4 WIRE, 60 HZ.
22 K A.I.C. MINIMUM INTERRUPTING RATING

LOAD KVA	SERVES	TRIP AMPS	POLES	WIRE	GND	SPACE NO.	SPACE NO.	GND	WIRE	POLES	TRIP AMPS	SERVES	LOAD KVA
0.60	RECEPTS CONSERVATORY	20	1	12	12	1	2	12	12	1	20	LIGHTING CONSERVATORY	0.90
0.4	RECEPTS CONSERVATORY	20	1	12	12	3	4	12	12	1	20	LIGHTING MAIL ROOM	0.90
1.20	APPL CONSERVATORY	20	1	12	12	5	6	12	12	1	20	LIGHTING WORK ROOM	0.90
1.20	APPL CONSERVATORY	20	1	12	12	7	8	12	12	1	20	LIGHTING OFFICES	0.90
1.20	APPL CONSERVATORY	20	1	12	12	9	10	12	12	1	20	LIGHTING RECEPTION	0.90
1.20	APPL CONSERVATORY	20	1	12	12	11	12	12	12	1	20	LIGHTING PORTICO	0.90
1.20	APPL CONSERVATORY	20	1	12	12	13	14	12	12	1	20	LIGHTING CLUB	0.90
0.60	RECEPTS CONSERVATORY	20	1	12	12	15	16	12	12	2	20	WH-3	3.00
0.20	RECEPTS DATA	20	1	12	12	17	18						–
0.20	RECEPTS DATA	20	1	12	12	19	20	10	10	1	20	EXT LTG (1)	0.30
0.40	RECEPTACLE WORK RM	20	1	12	12	21	22	10	10	1	20	EXT LTG (1)	0.75
1.20	APPLIANCE WORK RM	20	1	12	12	23	24	–	–	–	–	–	–
1.20	APPLIANCE WORK RM	20	1	12	12	25	26	–	–	–	–	–	–
1.20	APPLIANCE WORK RM	20	1	12	12	27	28	–	–	–	–	–	–
1.20	APPLIANCE WORK RM	20	1	12	12	29	30	–	–	–	–	–	–
1.00	RECEPTACLE READING	20	1	12	12	31	32	–	–	–	–	–	–
–	–	–	–	–	–	33	34	–	–	–	–	–	–
–	–	–	–	–	–	35	36	–	–	–	–	–	–
–	–	–	–	–	–	37	38	–	–	–	–	–	–
–	–	–	–	–	–	39	40	–	–	–	–	–	–
–	–	–	–	–	–	41	42	–	–	–	–	–	–

LOAD DESCRIPTION	CONN. LOAD	D.F.	CALC. LOAD
LIGHTING – KVA	7.35	1.25	9.19
RECEPTACLES – 1ST 10 KVA	3.40	1.00	3.40
RECEPTACLES – ABOVE 10 KVA	0.00	0.50	0.00
MOTORS – KVA	0.00	1.00	0.00
EQUIPMENT – KVA	13.80	1.00	13.80
OTHER – KVA	0.00	1.00	0.00
TOTAL – KVA	24.55		26.39

NOTES:
(1) TIMECLOCK/PHOTOCELL CONTROLLED

PANELBOARD SCHEDULE "CH2"

225 A. MAIN L.O. 208/120 VOLTS
FLUSH MOUNTING NEMA 1 3 PHASE 4 WIRE, 60 HZ.
22 K A.I.C. MINIMUM INTERRUPTING RATING

LOAD KVA	SERVES	TRIP AMPS	POLES	WIRE	GND	SPACE NO.	SPACE NO.	GND	WIRE	POLES	TRIP AMPS	SERVES	LOAD KVA
1.00	LIGHTING MEDIA	20	1	12	12	1	2	12	12	1	20	RECEPTS CONF RM	0.20
1.00	LIGHTING LOBBY	20	1	12	12	3	4	12	12	1	20	RECEPTS COWORKING	1.00
1.00	LIGHTING RESTROOMS	20	1	12	12	5	6	12	12	1	20	RECEPTS COWORKING	0.80
1.00	LIGHTING STAIRWAY	20	1	12	12	7	8	12	12	1	20	RECEPTS PORTICO	0.80
1.00	LIGHTING COWORKER	20	1	12	12	9	10	12	12	1	20	RECEPTS PORTICO	1.20
1.00	LIGHTING CONF RM	20	1	12	12	11	12	12	12	1	20	RECEPTS COWORKING	0.60
1.00	LIGHTING WORK PODS	20	1	12	12	13	14	12	12	1	20	RECEPTS MAKER SPACE	0.20
1.00	LIGHTING HALLWAY	20	1	12	12	15	16	12	12	1	20	RECEPTS COWORKING	1.00
0.90	WATER COOLER	20	1	12	12	17	18	12	12	1	20	RECEPTS MAKER SPACE	0.60
0.3	CAB LIGHTS	20	1	12	12	19	20	12	12	1	20	RECEPTS WORK PODS	0.60
0.3	ELEV ROOM	20	1	12	12	21	22	12	12	1	20	RECEPTS WORK PODS	0.60
0.3	ELEV PIT	20	1	12	12	23	24	12	12	1	20	PACKAGE ROOM RECEPT.	0.80
–	–	–	–	–	–	25	26	–	–	–	–	–	–
–	–	–	–	–	–	27	28	–	–	–	–	–	–
–	–	–	–	–	–	29	30	–	–	–	–	–	–
–	–	–	–	–	–	31	32	–	–	–	–	–	–
–	–	–	–	–	–	33	34	–	–	–	–	–	–
–	–	–	–	–	–	35	36	–	–	–	–	–	–
–	–	–	–	–	–	37	38	–	–	–	–	–	–
–	–	–	–	–	–	39	40	–	–	–	–	–	–
–	–	–	–	–	–	41	42	–	–	–	–	–	–

LOAD DESCRIPTION	CONN. LOAD	D.F.	CALC. LOAD
LIGHTING – KVA	8.90	1.25	11.13
RECEPTACLES – 1ST 10 KVA	8.40	1.00	8.40
RECEPTACLES – ABOVE 10 KVA	0.00	0.50	0.00
MOTORS – KVA	0.00	1.00	0.00
EQUIPMENT – KVA	0.90	1.00	0.90
OTHER – KVA	0.00	1.00	0.00
TOTAL – KVA	18.20		20.43

NOTES:
(1) TIMECLOCK/PHOTOCELL CONTROLLED

PANELBOARD SCHEDULE "AC"

400 A. MAIN L.O. 208/120 VOLTS
FLUSH MOUNTING NEMA 1 3 PHASE 4 WIRE, 60 HZ.
22 K A.I.C. MINIMUM INTERRUPTING RATING

LOAD KVA	SERVES	TRIP AMPS	POLES	WIRE	GND	SPACE NO.	SPACE NO.	GND	WIRE	POLES	TRIP AMPS	SERVES	LOAD KVA
15.0	AHU-1	80	2	8	10	1	2	10	8	2	35	CU-1	3.40
–						3	4						–
15.0	AHU-2	80	2	8	10	5	6	10	8	2	40	CU-2	4.16
–						7	8						–
15.0	AHU-3	80	2	8	10	9	10	10	8	2	40	CU-3	4.16
–						11	12						–
15.0	AHU-4	80	2	8	10	13	14	10	8	2	35	CU-4	3.40
–						15	16						–
2.53	CU-IT	15	2	12	12	17	18	12	12	1	20	HOOD CONTROL PANEL	0.50
–						19	20	12	12	[illegible]	15	EXH-1 SM-1	1.98
6.00	EWH-3	40	2	8	10	21	22						–
–						23	24						–
6.00	EWH-3	40	2	8	10	25	26	12	12	[illegible]	15	SUP-2 SM-2	1.98
–						27	28						–
1.59	KEF-1	15	[illegible]	12	12	29	30						–
–						31	32	12	12	3	20	SUP-2 COND 1	1.98
–						33	34						–
1.59	MUA-1	15	[illegible]	12	12	35	36						–
–						37	38	–	–	–	–	–	–
–						39	40	–	–	–	–	–	–
–		–	–	–	–	41	42	–	–	–	–	–	–

LOAD DESCRIPTION	CONN. LOAD	D.F.	CALC. LOAD
LIGHTING – KVA	0.00	1.25	0.00
RECEPTACLES – 1ST 10 KVA	0.00	1.00	0.00
RECEPTACLES – ABOVE 10 KVA	0.00	0.50	0.00
MOTORS – KVA	0.00	1.00	0.00
EQUIPMENT – KVA	99.27	1.00	99.27
OTHER – KVA	0.00	1.00	0.00
TOTAL – KVA	99.27		99.27

NOTES:
(1) TIMECLOCK/PHOTOCELL CONTROLLED

METER CENTER "MCA"

32 X A2	: 32 X 34.2 KW = 1094.4 KW
4 X A5	: 4 X 35.6 KW = 142.4 KW
4 X B1	: 4 X 38.6 KW = 154.4 KW
8 X C1	: 8 X 37.7 KW = 301.6 KW
4 X C2	: 4 X 38.1 KW = 152.4 KW
4 X S1	: 4 X 33.8 KW = 135.2 KW
4 X S2	: 4 X 34.1 KW = 136.4 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
60 TOTAL UNITS	2116.8 KW X 0.24 = 508.0 KW
	HOUSE LOAD = 32.99 KW
	TOTAL = 541.0 KW
	AMPS @ 208V,3PH = 1502 A

METER CENTER "MCD"

4 X A3	: 4 X 35.2 KW = 140.8 KW
8 X A4	: 8 X 35.3 KW = 282.4 KW
8 X B2	: 8 X 38.7 KW = 309.6 KW
4 X C2	: 4 X 38.1 KW = 152.4 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
24 TOTAL UNITS	885.2 KW X 0.35 = 309.8 KW
	HOUSE LOAD = 83.01 KW
	TOTAL = 392.8 KW
	AMPS @ 208V,3PH = 1090 A

METER CENTER "MCB"

6 X A3	: 6 X 35.2 KW = 211.2 KW
3 X A4	: 3 X 35.3 KW = 105.9 KW
3 X A5	: 3 X 35.6 KW = 106.8 KW
6 X B1	: 6 X 38.6 KW = 231.6 KW
3 X B2	: 3 X 38.7 KW = 116.1 KW
9 X B3	: 9 X 38.9 KW = 350.1 KW
10 X B4	: 10 X 39.2 KW = 392.0 KW
3 X C3	: 3 X 38.2 KW = 114.6 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
43 TOTAL UNITS	1628.3 KW X 0.27 = 439.6 KW
	HOUSE LOAD = 16.33 KW
	TOTAL = 456.0 KW
	AMPS @ 208V,3PH = 1266 A

METER CENTER "MCE"

16 X A1	: 16 X 34.0 KW = 544.0 KW
1 X A4	: 1 X 35.3 KW = 35.3 KW
12 X B1	: 12 X 38.6 KW = 463.2 KW
3 X B2	: 3 X 38.7 KW = 116.1 KW
6 X B6	: 6 X 38.8 KW = 232.8 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
38 TOTAL UNITS	1391.4 KW X 0.29 = 403.5 KW
	HOUSE LOAD = 10.81 KW
	TOTAL = 414.3 KW
	AMPS @ 208V,3PH = 1150 A

METER CENTER "MCC"

4 X A1	: 4 X 34.0 KW = 136.0 KW
8 X A3	: 8 X 35.2 KW = 281.6 KW
12 X A4	: 12 X 35.3 KW = 423.6 KW
1 X A5	: 1 X 35.6 KW = 35.6 KW
7 X B2	: 7 X 38.7 KW = 270.9 KW
4 X B4	: 4 X 39.2 KW = 156.8 KW
6 X B5	: 6 X 39.6 KW = 237.6 KW
4 X C1	: 4 X 37.7 KW = 150.8 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
46 TOTAL UNITS	1692.9 KW X 0.26 = 440.2 KW
	HOUSE LOAD = 5.70 KW
	TOTAL = 445.9 KW
	AMPS @ 208V,3PH = 1238 A

METER CENTER "MCF"

4 X A1	: 4 X 34.0 KW = 136.0 KW
16 X A3	: 16 X 35.2 KW = 563.2 KW
15 X A4	: 15 X 35.3 KW = 529.5 KW
11 X B1	: 11 X 38.6 KW = 424.6 KW
3 X B2	: 3 X 38.7 KW = 116.1 KW
8 X B3	: 8 X 38.9 KW = 311.2 KW
3 X B4	: 3 X 39.2 KW = 117.6 KW
4 X C2	: 4 X 38.1 KW = 152.4 KW
– X –	: 0 X 0.0 KW = 0.0 KW
– X –	: 0 X 0.0 KW = 0.0 KW
64 TOTAL UNITS	2350.6 KW X 0.23 = 540.6 KW
	HOUSE LOAD = 5.18 KW
	TOTAL = 545.8 KW
	AMPS @ 208V,3PH = 1515 A

DISTRIBUTION PANEL SCHEDULE "CDP"

600 A. MAIN L.O. 208Y/120 VOLTS
SURFACE MOUNTING NEMA 3R 3 PHASE 4 WIRE, 60 HZ.
42 K A.I.C. MINIMUM INTERRUPTING RATING

SWITCH NUMBER	SERVICE DESIGNATION	FRAME SIZE (AMPS)	TRIP RATING (AMPS)	FEEDER	LOAD (KVA) LTG.	REC.	MOTOR	EQUIP.	OTHER
1	PANEL CH1	225A/3P	200A	F24	7.35	3.40	–	13.8	–
2	PANEL CH2	225A/3P	200A	F24	8.90	8.40	–	0.90	–
3	PANEL AC	400A/3P	400A	F39	–	–	–	99.27	–
4	PANEL P	125A/3P	125A	F14	–	0.60	–	15.0	–
5	ELEVATOR (1)	60A/3P	50A	F109	–	–	10.0	–	–
6	–	–	–	–	–	–	–	–	–

LOAD DESCRIPTION	CONN. LOAD	D.F.	CALC. LOAD
LIGHTING – KVA	16.25	1.25	20.31
RECEPTACLES – 1ST 10 KVA	10.00	1.00	10.00
RECEPTACLES – ABOVE 10 KVA	2.40	0.50	1.20
MOTORS – KVA	10.00	1.00	10.00
EQUIPMENT – KVA	128.97	1.00	128.97
OTHER – KVA	0.00	1.00	0.00
TOTAL – KVA	167.62		170.48

NOTES:
(1) SHUNT TRIP

PANEL "P"

208/120 V, 1 PH., 3 W
125 A, M.L.O.. 22K A.I.C. NEMA 3R

CIRCUIT NUMBER	BREAKER SIZE	WIRE SIZE	GND SIZE	SERVES	LOAD KVA
1	20A/1P	12	12	RECEPTACLES	0.60
2, 4	–	–	–	POOL EQUIPMENT	15.0
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–

LOAD DESCRIPTION	CONN. LOAD	D.F.	CALC. LOAD
LIGHTING – KVA	0.00	1.25	0.00
RECEPTACLES – 1ST 10 KVA	0.60	1.00	0.60
RECEPTACLES – ABOVE 10 KVA	0.00	0.50	0.00
MOTORS – KVA	0.00	1.00	0.00
EQUIPMENT – KVA	15.00	1.00	15.00
OTHER – KVA	0.00	1.00	0.00
TOTAL – KVA	15.60		15.60

NOTES: PROVIDE BRANCH BREAKERS AS REQUIRED FOR POOL EQUIPMENT

PANELBOARD SCHEDULE "F"

400 A. MAIN L.O. 208/120 VOLTS
FLUSH MOUNTING NEMA 1 3 PHASE 4 WIRE, 60 HZ.
22 K A.I.C. MINIMUM INTERRUPTING RATING

LOAD KVA	SERVES	TRIP AMPS	POLES	WIRE	GND	SPACE NO.	SPACE NO.	GND	WIRE	POLES	TRIP AMPS	SERVES	LOAD KVA
0.58	LIGHTING FITNESS	20	1	12	12	1	2	12	12	1	20	RECEPTS ENTERTAINMENT	0.60
0.60	LIGHTING FITNESS	20	1	12	12	3	4	12	12	1	20	RECEPTS ENTERTAINMENT	0.40
0.60	FANS FITNESS	20	1	12	12	5	6	12	12	1	20	RECEPTS ENTERTAINMENT	0.20
0.58	LIGHTS ENTERTAINMENT	20	1	12	12	7	8	12	12	1	20	APPLIANCE	1.20
0.38	LIGHTS ENTERTAINMENT	20	1	12	12	9	10	12	12	1	20	RECEPTACLES	0.40
0.38	LIGHTS ENTERTAINMENT	20	1	12	12	11	12	12	12	1	20	APPLIANCE	1.20
1.20	FITNESS EQUIPMENT	20	1	12	12	13	14	12	12	1	20	APPLIANCE	1.20
1.20	FITNESS EQUIPMENT	20	1	12	12	15	16	8	4	2	80	AHU-F2	15.0
1.20	FITNESS EQUIPMENT	20	1	12	12	17	18	–	–	–	–	–	–
1.20	FITNESS EQUIPMENT	20	1	12	12	19	20	10	8	2	40	CU-F2	4.16
1.20	FITNESS EQUIPMENT	20	1	12	12	21	22	–	–	–	–	–	–
1.20	FITNESS EQUIPMENT	20	1	12	12	23	24	10	8	2	40	EWH-3	6.00
15.0	AHU-F1	80	2	4	8	25	26	–	–	–	–	–	–
–	–	–	–	–	–	27	28	–	–	–	–	–	–
3.70	CU-F1	35	2	8	10	29	30	–	–	–	–	–	–
–	–	–	–	–	–	31	32	–	–	–	–	–	–
20.0	AHU-6	80	2	4	8	33	34	–	–	–	–	–	–
–	–	–	–	–	–	35	36	–	–	–	–	–	–
4.16	CU-6	40	2	8	10	37	38	–	–	–	–	–	–
–	–	–	–	–	–	39	40	–	–	–	–	–	–
–	–	–	–	–	–	41	42	–	–	–	–	–	–

LOAD DESCRIPTION	CONN. LOAD	D.F.	CALC. LOAD
LIGHTING – KVA	3.12	1.25	3.90
RECEPTACLES – 1ST 10 KVA	1.60	1.00	1.60
RECEPTACLES – ABOVE 10 KVA	0.00	0.50	0.00
MOTORS – KVA	0.00	1.00	0.00
EQUIPMENT – KVA	78.82	1.00	78.82
OTHER – KVA	0.00	1.00	0.00
TOTAL – KVA	83.54		84.32

NOTES:

Order Plans @ www.LDIILine.com

Commom North, Prospect, KY
KENTUCKY
Architect Name
Charlan Brock & Associates, AAC000798

MiGre Engineers LLC
760 FLORIDA CENTRAL PARKWAY
SUITE 224
LONGWOOD, FL 32750
PH: 407.636.7999
PROJECT #: 18025

STATE OF KENTUCKY
MICHAEL L. DODANE
19198
LICENSED PROFESSIONAL ENGINEER

Lyric at Norton Commons
Prospect, Kentucky

Bristol Development Group
381 Mallory Station Rd, Suite 204
Franklin, TN 37067

charlan • brock associates
architects • planners
1770 fennell street
maitland florida 32751-7208
407 660 8900 f: 407 875 9948
www.cbaarchitects.com

ELECTRICAL SCHEDULES AND DETAILS

date: 06-04-2019
job no: 3789.15
drawn by: MLD
reviewed by: MLD
file: 18025-E-SCHEDS
issue history:

E6.05

charlan, brock & associates, inc. hereby reserves it's common law copyright and other property rights in these plans, ideas, and designs. these ideas, designs, and plans are not to be reproduced, changed or copied in any form or manner whatsoever, nor are they to be assigned to any third party, without first obtaining the express written permission from c.b.a., inc. written dimensions shall have precedence over scale dimensions. To the best of the engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and the applicable fire-safety standards.

MiGre Engineers, LLC - 18025-E-SCHEDS.dwg - E6.05 - Plotted: Tuesday, June 04, 2019 by Ryan Logan