

Name: CH

MAIN BREAKER: _____ AMPS
 MAIN LUGS: 800 AMPS
 A.I.C.: 42,000 AMPS
 SURFACE MTD: X
 FLUSH MTD: _____

1 PHASE
 3 WIRE
 208Y/120V
 480Y/277V
 X 240/120V

C K T N O	IDENTIFICATION	C O D E	LOAD/PHASE (KVA)		CIRCUIT BREAKER		LOAD/PHASE (KVA)		C O D E	IDENTIFICATION	C K T N O
			A	B	TRIP	POLES/POLES	TRIP	A			
1	RECEPTACLES - PORCH	R	1.0		20	1 1	20	1.2	E	SITE - GATE	2
3	RECEPTACLES - HALL	R	1.0	1.0	20	1 1	20	1.2	E	SITE - GATE	4
5	REFRIGERATOR	R	1.2		20	1 1	20	1.2	E	SITE - GATE	6
7	RECEPTACLES FITNESS LOUNGE	R	1.2	0.4	20	1 2	20	1.5	H	EUHA	8
9	RECEPTACLES FITNESS LOUNGE	R	1.2		20	1 -	--	1.5	H	--	10
11	RECEPTACLES - FREE WEIGHTS	R		0.6	20	1 2	20	1.4	M	POOL PUMP	12
13	RECEPTACLES - FITNESS AREA	R	1.0		20	1 -	--	1.4	M	--	14
15	RECEPTACLES - FITNESS AREA	R		1.0	20	1 2	20	1.4	M	POOL PUMP	16
17	RECEPTACLES - FITNESS AREA	R	1.0		20	1 -	--	1.4	M	--	18
19	RECEPTACLES - FITNESS AREA	R		1.0	20	1 2	20	1.4	M	POOL PUMP	20
21	RECEPTACLES - CYCLE/YOGA	R	0.8		20	1 -	--	1.4	M	--	22
23	AHU-1	H		9.0	80	2 1	20	0.8	R	RECEPTACLES - POOL	24
25	---	H	9.0		--	- 1	20	1.2	R	GOLF CART CHARGING	26
27	AHU-2	H		9.0	80	2 1	20	1.2	R	GOLF CART CHARGING	28
29	---	H	9.0		--	- 1	20	1.2	R	GOLF CART CHARGING	30
31	AHU-3	H		3.7	35	2 1	20	1.2	R	GOLF CART CHARGING	32
33	---	H	3.7		--	- 1	20	0.4	R	SPARE	34
35	AHU-4	H		9.0	80	2 1	20	0.4	R	RECEPTACLES - WORKROOM	36
37	---	H	9.0		--	- 1	20	1.2	R	COPIER	38
39	HPU-1	H		3.5	50	2 1	20	0.4	R	RECEPTACLES - HEAD-IN	40
41	---	H	3.5		--	- 1	20	0.4	R	RECEPTACLES - HEAD-IN	42
43	HPU-2	H		2.9	40	2 1	20	0.4	R	RECEPTACLES - HEAD-IN	44
45	---	H	2.9		--	- 1	20	0.8	R	RECEPTACLES - HALL	46
47	HPU-3	H		1.5	20	2 1	20	0.6	R	RECEPTACLES - CLOSING	48
49	---	H	1.5		--	- 1	20	0.8	R	RECEPTACLES - LEASING	50
51	HPU-4	H		3.5	50	2 1	20	1.2	R	VENDING	52
53	---	H	3.5		--	- 1	20	1.2	R	VENDING	54
55	WH-C	H		1.5	20	1 1	20	0.8	R	RECEPTACLES - PORCH	56
57	CP-1	H	0.1		20	1 1	20	1.2	R	REFRIGERATOR	58
59	RECEPTACLES - EXTERIOR	R		0.2	20	1 1	20	1.2	R	REFRIGERATOR	60
61	PANEL CHL	E	3.5		100	2 1	20	1.0	R	RECEPTACLES - LEASING	62
63	---	E		3.0	--	- 1	20	1.0	R	RECEPTACLES - CLUBROOM	64
65	RECEPTACLES - EXTERIOR	R	0.2		20	1 1	20	1.4	R	RECEPTACLES - MANAGER	66
67	GARAGE DOOR OPENER	R		1.2	20	1 1	20	1.4	R	COFFEE MACHINE	68
69	EUHA	H	1.5		20	2 1	20	0.6	R	RECEPTACLES - KITCHEN	70
71	---	H		1.5	--	- 1	20	1.4	R	DISHWASHER/DISPOSAL	72
73	RECEPTACLES - LOBBY	R	0.8		20	1 1	20	1.4	R	ICE MACHINE	74
75	RECEPTACLES - LOBBY	R		0.8	20	1 1	20	1.2	R	REFRIGERATOR	76
77	SPARE				20	1 1	20	1.2	R	EWV	78
79	SPARE				20	1 1	20	1.5	R	MICROWAVE	80
81	SPARE				20	1 1	20	0.2	R	RECEPTACLE - CLUB BAR	82
83	SPARE				20	1 1	20	0.4	R	RECEPTACLES - FITNESS	84
			54.4	54.3				22.3			21.8

	CONNECTED	D.F.	DEMAND
LIGHTING (L)	0.0	1.25	0.0
RECEPTACLES (R)	30.4	NEC	20.2
MOTORS (M)	5.4	1.0	8.4
HVAC (H)	88.8	1.0	88.8
EQUIPMENT (E)	10.1	1.0	10.1

TOTAL CONNECTED: 137.7 KVA
 TOTAL DEMAND: 127.5 KVA
 TOTAL AMPS: 531.3 AMPS

NOTES:
 1. COORDINATE ELECTRICAL REQUIREMENTS WITH ACTUAL EQUIPMENT PROVIDED.
 2. COORDINATE QUANTITY AND ELECTRICAL REQUIREMENTS WITH POOL EQUIPMENT CONTRACTOR.

Order Plans @

Name: CHL

MAIN BREAKER: _____ AMPS
 MAIN LUGS: 100 AMPS
 A.I.C.: 42,000 AMPS
 SURFACE MTD: X
 FLUSH MTD: _____

1 PHASE
 3 WIRE
 208Y/120V
 480Y/277V
 X 240/120V

C K T N O	IDENTIFICATION	C O D E	LOAD/PHASE (KVA)		CIRCUIT BREAKER		LOAD/PHASE (KVA)		C O D E	IDENTIFICATION	C K T N O
			A	B	TRIP	POLES/POLES	TRIP	A			
1	LIGHTING - PORCH	L	1.3		20	1 1	20	0.9	L	LIGHTING - PORCH	2
3	LIGHTING - CLUBROOM	L		0.9	20	1 1	20	1.2	L	LIGHTING - CYCLE/YOGA	4
5	LIGHTING - LEASING	L	1.1		20	1 1	20	0.8	L	LIGHTING - FREE WEIGHTS	6
7	LIGHTING - SITE	L		0.2	20	1 1	20	0.9	L	LIGHTING - FREE WEIGHTS	8
9	LIGHTING - SITE	L	0.2		20	1 1	20			SPARE	10
11	LIGHTING - CLUBROOM	L		0.5	20	1 1	20			SPARE	12
13	LIGHTING - CLUBROOM	L	0.5		20	1 1	20			SPARE	14
15	LIGHTING - CLUBROOM	L		0.5	20	1 1	20			SPARE	16
17	LIGHTING - CLUB BAR	L	0.8		20	1 1	20			SPARE	18
19	SPARE				20	1 1	20			SPARE	20
21	SPARE				20	1 1	20			SPARE	22
23	SPARE				20	1 1	20			SPARE	24
			4.0	2.1				1.5		2.0	

	CONNECTED	D.F.	DEMAND
LIGHTING (L)	9.6	1.25	12.0
RECEPTACLES (R)	0.0	NEC	0.0
MOTORS (M)	0.0	1.0	0.0
HVAC (H)	0.0	1.0	0.0
EQUIPMENT (E)	0.0	1.0	0.0

TOTAL CONNECTED: 9.6 KVA
 TOTAL DEMAND: 12.0 KVA
 TOTAL AMPS: 50.2 AMPS

MECHANICAL EQUIPMENT SCHEDULE

TAG	EQUIPMENT	LOAD (KVA)	VOLTS	PH	BRANCH CIRCUIT CONDUCTORS	DISCONNECT	NOTES
AHU A	AIR HANDLING UNIT	7.176	240	1	(2) #10, (1) #10 G CU, 3/4" C	30ANF	
AHU B	AIR HANDLING UNIT	7.176	240	1	(2) #10, (1) #10 G CU, 3/4" C	30ANF	
AHU C	AIR HANDLING UNIT	10.296	240	1	(2) #6, (1) #10 G CU, 1" C	60ANF	
HPU A	HEAT PUMP UNIT	2.928	240	1	(2) #12, (1) #12 G CU, 3/4" C	30ANF	
HPU B	HEAT PUMP UNIT	3.504	240	1	(2) #10, (1) #10 G CU, 3/4" C	30ANF	
HPU C	HEAT PUMP UNIT	4.272	240	1	(2) #10, (1) #10 G CU, 3/4" C	30ANF	
AHU 1	AIR HANDLING UNIT	7.176	240	1	(2) #3, (1) #12 G CU, 1-1/4" C	60ANF	
AHU 2	AIR HANDLING UNIT	6.0	240	1	(2) #3, (1) #8 G CU, 1-1/4" C	60ANF	
AHU 3	AIR HANDLING UNIT	7.44	240	1	(2) #6, (1) #10 G CU, 1" C	60ANF	
AHU 4	AIR HANDLING UNIT	7.44	240	1	(2) #3, (1) #8 G CU, 1-1/4" C	60ANF	
HPU 1	HEAT PUMP UNIT	6.96	240	1	(2) #6, (1) #10 G CU, 1" C	60ANF	
HPU 2	HEAT PUMP UNIT	5.808	240	1	(2) #6, (1) #10 G CU, 1" C	60ANF	
HPU 3	HEAT PUMP UNIT	2.928	240	1	(2) #12, (1) #12 G CU, 3/4" C	60ANF	
HPU 4	HEAT PUMP UNIT	7.056	240	1	(2) #6, (1) #10 G CU, 1" C	60ANF	
EUH A	ELECTRIC UNIT HEATER	3.0	240	1	(2) #12, (1) #12 G CU, 3/4" C	30ANF	
TWHP A	THRU THE WALL HEAT PUMP	3.39	240	1	(2) #12, (1) #12 G CU, 3/4" C	30ANF	
EBBH A	ELECTRIC BASEBOARD HEATER	0.5	120	1	(2) #12, (1) #12 G CU, 3/4" C	MOTOR RATED SWITCH	
WH A	WATER HEATER	4.5	240	1	(2) #10, (1) #10 G CU, 3/4" C	30ANF	
WH B	WATER HEATER	4.5	240	1	(2) #10, (1) #10 G CU, 3/4" C	30ANF	
WH C	WATER HEATER	1.5	120	1	(2) #12, (1) #12 G CU, 3/4" C	30ANF	
WH D	WATER HEATER	3.6	120	1	(2) #8, (1) #10 G CU, 1" C	60ANF	
RCP	RECIRCULATING PUMP	0.12	120	1	(2) #12, (1) #12 G CU, 3/4" C	MOTOR RATED SWITCH	

GENERAL NOTES (FOR ALL SCHEDULED EQUIPMENT):
 A. FIELD-VERIFY ALL EQUIPMENT LOADS, VOLTAGES, AND RECOMMENDED OVERCURRENT PROTECTION SIZES PRIOR TO INSTALLING BRANCH CIRCUITS.
 B. PROVIDE ALL LINE VOLTAGE CONTROL WIRING AS REQUIRED BY THE MECHANICAL CONSTRUCTION DOCUMENTS.
 C. FURNISH DISCONNECT SWITCHES LOCATED EXTERIOR TO THE STRUCTURE WITH NEMA 3R ENCLOSURES UNLESS OTHERWISE SPECIFIED.
 D. REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT.



ENGLISH & ASSOCIATES ARCHITECTS, INC.
 3084 MERCER UNIVERSITY DRIVE, SUITE 100
 ATLANTA, GEORGIA 30341
 DENGGLISH@ENGLISHASSOCIATESINC.COM

JOB PROGRESS:
 ITEM: DATE:

REVISIONS:
 TAG: DATE:

This drawing, as an instrument of service, is and shall remain the property of the Architect of Record and shall not be published, reproduced or used in any way without the written permission of the Architect of Record. DO NOT scale this drawing. All questions to be submitted as a formal request for information to the Architect of Record.

ALEXANDRIA AN APARTMENT COMMUNITY FOR Bobo Family Group HUNTSVILLE, ALABAMA

JOB NUMBER:
 DRAWN BY:
 CHECKED BY:
 PANELBOARDS

SHEET NO.
 E-15.4