

Name: HP3

MAIN BREAKER: _____ AMPS
 MAIN LUGS: 300 AMPS
 A.I.C.: 42,000 AMPS
 SURFACE MTD: X
 FLUSH MTD: _____

3 PHASE
 4 WIRE
 X 208Y/120V
 480Y/277V
 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	C	TRIP	POLES	POLES	TRIP	A	B				C
1	CORRIDOR LTG - GROUND	L	0.8			20	1	1	20	1.0			O	FACP	2
3	CORRIDOR LTG - 2ND	L		0.8		20	1	1	20		0.2		L	ELEVATOR PIT LIGHTING, RECEPT.	4
5	CORRIDOR LTG - 3RD	L			0.8	20	1	1	20			0.9	M	ELEVATOR PIT SUMP PUMP	6
7	CORRIDOR LTG - 4TH	L	0.8			20	1	3	100	6.0			M	ELEVATOR	8
9	LIGHTING - STAIRS	L		0.1		20	1	-	-		6.0		M	-	10
11	RECEPTACLES - GROUND	R			0.8	20	1	-	-			6.0	M	-	12
13	RECEPTACLES - GROUND	R	0.8			20	1	-	-						14
15	RECEPTACLES - 2ND	R		0.8		20	1	1	20		0.5		L	ELEVATOR CAB LIGHTING	16
17	RECEPTACLES - 2ND	R			0.8	20	1	1	20			0.2	R	TELE/COMM ROOM RECEPT.	18
19	RECEPTACLES - 3RD	R	0.8			20	1	1	20	0.5			H	HEAT TRACE	20
21	RECEPTACLES - 3RD	R		0.8		20	1	1	20		0.5		H	HEAT TRACE	22
23	RECEPTACLES - 4TH	R			0.8	20	1	1	20						24
25	RECEPTACLES - 4TH	R	0.8			20	1	2	125	8.5			P	PANEL T	26
27	RECEPTACLES - ROOF	R		1.4		20	1	-	-		7.7				28
29	SPARE					20	1	1	20						30
31	SPARE					20	1	1	20						32
33	SPARE					20	1	1	20						34
35	SPARE					20	1	1	20						36
37	SPARE					20	1	1	20						38
39	SPARE					20	1	1	20						40
41	SPARE					20	1	1	20						42
			4.0	3.9	3.2					16.0	14.9	7.1			

	CONN LOAD (KVA)	ADJUST FACTOR	DEMAND FACTOR	DEMAND LOAD (KVA)
LIGHTING (L)	10.3	1.25	1.00	12.8
RECEPTACLES (R)	11.4	---	NEC	10.7
LARGEST MOTOR (M)	18.0	1.25	1.00	22.5
ALL OTHER MOTORS (M)	10.3	1.00	1.00	10.3
HEATING (H)	21.0	1.00	1.00	21.0
COOLING (C)	0.0	1.00	1.00	0.0
OTHER (O)	10.9	1.00	1.00	10.9
KITCHEN (K)	0.0	1.00	1.00	0.0

TOTAL CONNECTED LOAD: 81.9 KVA
 TOTAL DEMAND LOAD: 88.2 KVA
 DEMAND AMPS: 245.2 AMPS

PERCENT IMBALANCE: 48 %

NOTES:
 1. PROVIDE SHUNT TRIP FOR ELEVATOR SHUT DOWN.

Name: HP4

MAIN BREAKER: _____ AMPS
 MAIN LUGS: 300 AMPS
 A.I.C.: 42,000 AMPS
 SURFACE MTD: X
 FLUSH MTD: _____

3 PHASE
 4 WIRE
 X 208Y/120V
 480Y/277V
 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	C	TRIP	POLES	POLES	TRIP	A	B				C
1	CORRIDOR LTG - TERRACE	L	0.7			20	1	1	20	1.0			O	FACP	2
3	CORRIDOR LTG - GROUND	L		0.8		20	1	1	20		0.2		L	ELEVATOR PIT LIGHTING, RECEPT.	4
5	CORRIDOR LTG - 2ND	L			0.8	20	1	1	20			0.9	M	ELEVATOR PIT SUMP PUMP	6
7	CORRIDOR LTG - 3RD, 4TH	L	0.9			20	1	3	100	6.0			M	ELEVATOR	8
9	LIGHTING - STAIRS	L		0.3		20	1	-	-		6.0		M	-	10
11	RECEPTACLES - TERRACE	R			0.8	20	1	-	-			6.0	M	-	12
13	RECEPTACLES - TERRACE	R	1.0			20	1	-	-						14
15	RECEPTACLES - GROUND	R		1.0		20	1	1	20		0.5		L	ELEVATOR CAB LIGHTING	16
17	RECEPTACLES - GROUND	R			1.2	20	1	1	20			0.2	R	TELE/COMM ROOM RECEPT	18
19	RECEPTACLES - 2ND	R	1.0			20	1	1	20	0.5			H	HEAT TRACE	20
21	RECEPTACLES - 2ND	R		1.2		20	1	1	20		0.5		H	HEAT TRACE	22
23	RECEPTACLES - 3RD	R			1.0	20	1	1	20		0.5		H	HEAT TRACE	24
25	RECEPTACLES - 3RD	R	1.2			20	1	1	20	0.5			H	HEAT TRACE	26
27	RECEPTACLES - 4TH	R		0.4		20	1	1	20						28
29	RECEPTACLES - ROOF	R			1.0	20	1	1	20						30
31	PANEL G	O	4.0			60	2	1	20						32
33	---	O		5.4		-	-	1	20						34
35	SPARE					20	1	1	20						36
37	SPARE					20	1	1	20						38
39	SPARE					20	1	1	20						40
41	SPARE					20	1	1	20						42
			8.8	9.0	4.8					8.0	7.2	7.6			

	CONN LOAD (KVA)	ADJUST FACTOR	DEMAND FACTOR	DEMAND LOAD (KVA)
LIGHTING (L)	14.5	1.25	1.00	18.2
RECEPTACLES (R)	12.0	---	NEC	11.0
LARGEST MOTOR (M)	18.0	1.25	1.00	22.5
ALL OTHER MOTORS (M)	2.9	1.00	1.00	2.9
HEATING (H)	2.0	1.00	1.00	2.0
COOLING (C)	0.0	1.00	1.00	0.0
OTHER (O)	24.8	1.00	1.00	24.8
KITCHEN (K)	0.0	1.00	1.00	0.0

TOTAL CONNECTED LOAD: 74.2 KVA
 TOTAL DEMAND LOAD: 81.4 KVA
 DEMAND AMPS: 226.5 AMPS

PERCENT IMBALANCE: 27 %

NOTES:
 1. PROVIDE SHUNT TRIP FOR ELEVATOR SHUT DOWN.

Name: T

MAIN BREAKER: _____ AMPS
 MAIN LUGS: 125 AMPS
 A.I.C.: 42,000 AMPS
 SURFACE MTD: _____
 FLUSH MTD: X

1 PHASE
 3 WIRE
 X 208Y/120V
 480Y/277V
 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	C	TRIP	POLES	POLES	TRIP	A	B				C
1	LIGHTING TRASH	L	0.1			20	1	1	20	0.4			L	LIGHTING DOGWASH	1
3	RECEPTACLE TRASH	R		0.2		20	1	1	20		1.8		R	RECEPTACLE DOGWASH	3
5	TRASH COMPACTOR	M	1.0			20	1	1	20	1.8			R	RECEPTACLE DOGWASH	5
7	RECEPTACLE TRASH	R		0.2		20	1	2	20		2.0		H	HEAT TRACE	7
9	SPARE					20	1	-	-		2.0				9
11	SPARE					20	1	2	40				H	HEAT TRACE	11
13	SPARE					20	1	-	-		3.1		H	HEAT TRACE	13
15	SPARE					20	1	1	20				R	RECEPTACLE DOGWASH	15
17	SPARE					20	1	1	20				L	LIGHTING DOGWASH EXTERIOR	17
			1.1	0.4						7.3					

	CONN LOAD (KVA)	ADJUST FACTOR	DEMAND FACTOR	DEMAND LOAD (KVA)
LIGHTING (L)	0.5	1.00	1.00	0.5
RECEPTACLES (R)	4.4	---	NEC	4.4
LARGEST MOTOR (M)	0.0	---	NEC	0.0
ALL OTHER MOTORS (M)	1.0	1.00	1.00	1.0
HEATING (H)	10.3	1.00	1.00	10.3
COOLING (C)	0.0	1.00	1.00	0.0
OTHER (O)	0.0	1.00	1.00	0.0
KITCHEN (K)	0.0	1.00	1.00	0.0

TOTAL CONNECTED LOAD: 16.3 KVA
 TOTAL DEMAND LOAD: 16.4 KVA
 DEMAND AMPS: 79.1 AMPS

NOTES:
 1. PROVIDE NEMA ENCLOSURE.



Pucciano & English, Inc.
 ARCHITECTS, AIA
 3084 MERCER UNIVERSITY DRIVE, SUITE 110
 ATLANTA, GA 30341
 PH 770-457-0823 FAX 770-451-0092
 english@pucciano-english.com



JOB No: 1701
 DRAWN BY:
 CHECK BY:
 JOB PROGRESS:
 ITEM DATE
 PRICING SET 07-14-2017
 PERMIT SET 02-28-2018

REVISIONS:
 DATE NO

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Legacy at Jones Farm Phase 2
 HUNTSVILLE, ALABAMA
 AN APARTMENT COMMUNITY FOR
RBJ BAILEY, LLC

ELECTRICAL
 PANELBOARD SCHEDULES

SHEET NO.

E-14.2