PANELBOARD SCHEDULE - "L1"

MAIN: 125A MLO | VOLTAGE: 208/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE | AIC: 22,000

CKT #	TRIP POLE	DESCRIPTION	LOAD (KVA) LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE A B C	LOAD (KVA) LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	TRIP POLE	CKT #
1	20/1	RECEPTS - PRINT/FAX		1.0							0.6							LTG - RR	20/1	2
3	20/1	RECEPTS - PRINT/FAX		1.0							0.7							LTG -EXERCISE	20/1	4
5	20/1	RECEPTS - EXERCISE		1.4							0.6							LTG - FANS	20/1	6
7	20/1	EWC-1		1.2								1.0						RECEPTS - ROOF	20/1	8
9	20/1	RECEPTS - EXERCISE		1.2								0.8						RECEPTS - ROOF	20/1	10
11	20/1	RECEPTS - EXERCISE		1.0							0.8							LTG - CLUB	20/1	12
13	20/1	RECEPTS - EXERCISE		1.0							0.8							LTG - PATIO	20/1	14
15	20/1	RECEPTS - EXERCISE		1.2							0.7							LTG - BUS. CENTER	20/1	16
17	20/1	RECEPTS - PRINT/FAX		1.0								1.0						RECEPTS - LOBBY	20/1	18
19	20/1	RECEPTS - CLUB		1.2							0.9							LTG - OFFICES	20/1	20
21	20/1	REFRIG.		1.2							0.6							LTG - LEASING	20/1	22
23	20/1	KITCEN RECEPTS		0.6							0.6							LTG - 3RD FLOOR	20/1	24
25	20/1	DISHWASHER		1.0								1.0						RECEPTS - 3RD FLOOR	20/1	26
27	20/1	RECEPTS - COFFEE		1.2							0.6							LTG - 4TH FLOOR	20/1	28
29	20/1	RECEPTS - VIDEO		1.0								1.0						RECEPTS - 4TH FLOOR	20/1	30
31	20/1	RECEPTS - CLUB TV		0.6												2.0		EH-A	25/1	32
33	20/1	LTG - 1ST FLR	0.5													2.0		--	--	34
35	20/1	RECEPTS - 1ST FLR		0.6								1.0						ICEMAKER	20/1	36
37	20/1	LTG - 2ND FLR	0.6								1.2							LTG - CLUB	20/1	38
39	20/1	RECEPTS - 2ND FLR		1.0								1.2						EWH-1	20/1	40
41	20/1	MICROWAVE							1.2				0.6					FANS	20/1	42
		SECTION 2																SECTION 2		
43	20/1	2ND FLOOR TELECOM		0.4														SPARE	20/1	44
45	20/1	2ND FLOOR TELECOM		0.4														SPARE	20/1	46
47	20/1	4TH FLOOR TELECOM		0.4														SPARE	20/1	48
49	20/1	4TH FLOOR TELECOM		0.4														SPARE	20/1	50
51	20/1	SPARE																SPARE	20/1	52
53	20/1	SPARE																SPARE	20/1	54
55	20/1	SPARE																SPARE	20/1	56
57	20/1	SPARE																SPARE	20/1	58
59	20/1	SPARE																SPARE	20/1	60
61	20/1	SPARE																SPARE	20/1	62
63	20/1	SPARE																SPARE	20/1	64
65	20/1	SPARE																SPARE	20/1	66
67	20/1	SPARE																SPARE	20/1	68
69	20/1	SPARE																SPARE	20/1	70
71	20/1	SPARE																SPARE	20/1	72
73	20/1	SPARE																SPARE	20/1	74
75	20/1	SPARE																SPARE	20/1	76
77	20/1	SPARE																SPARE	20/1	78
79	20/1	SPARE																SPARE	20/1	80
81	20/1	SPARE																SPARE	20/1	82
83	20/1	SPARE																SPARE	20/1	84

LIGHTING (KVA):	9.2	1.1 20.0 0.0 0.0 0.0 0.0 1.2	8.1 7.0 0.6 0.0 4.0 0.0 0.0
RECEPTACLES (KVA):	27.0		
MOTORS (KVA):	0.6	PHASE A	15 124.2
A/C (KVA):	0.0	PHASE B	14 119.2
HEATING (KVA):	4.0	PHASE C	13 106.7
KITCHEN (KVA):	0.0		KVA AMPS
MISCELLANEOUS (KVA):	1.2		
CONNECTED LOAD (KVA):	42.0		
DEMAND LOAD (KVA):	33.5		
CONNECTED LOAD (AMPS):	116.6		
DEMAND LOAD (AMPS):	93.0		
AMPACITY REQUIRED:	99.4		

NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

PANELBOARD SCHEDULE - "PE"

MAIN: 100A MLO | VOLTAGE: 208/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE | AIC: 22,000

CKT #	TRIP POLE	DESCRIPTION	LOAD (KVA) LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE A B C	LOAD (KVA) LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	TRIP POLE	CKT #
1	20/1	SPACE									1.0							LANDSCAPE LTG	20/1	2
3	20/1	SPACE									1.0							LANDSCAPE LTG	20/1	4
5	30/3	3 HP PUMP			2.5						1.0							LANDSCAPE LTG	20/1	6
7	--	---			2.5						1.0							LANDSCAPE LTG	20/1	8
9	--	---			2.5													SPARE	20/1	10
11	30/3	3 HP PUMP			2.5													SPARE	20/1	12
13	--	---			2.5													SPARE	20/1	14
15					2.5													SPARE	20/1	16
17	20/2	AH-E1				1.1												SPARE	20/1	18
19	--	---				1.1												SPARE	20/1	20
21	20/1	EF-8,9			1.0													SPARE	20/1	22
23	20/1	EH-A					2.0											SPARE	20/1	24
25	20/1	--					2.0											SPARE	20/1	26
27	20/1	HP-E1				1.5												SPARE	20/1	28
29	20/1	--				1.5												SPARE	20/1	30
31	20/1	RECEPS POOL		1.6														SPARE	20/1	32
33	20/1	SPARE																SPARE	20/1	34
35	20/1	SPARE																SPARE	20/1	36
37	20/1	SPARE																SPARE	20/1	38
39	20/1	SPARE																SPARE	20/1	40
41	20/1	SPARE																SPARE	20/1	42

LIGHTING (KVA):	4.0	0.0 1.6 16.0 5.2 4.0 0.0 0.0	4.0 0.0 0.0 0.0 0.0 0.0 0.0
RECEPTACLES (KVA):	1.6		
MOTORS (KVA):	16.0	PHASE A	12 97.5
A/C (KVA):	5.2	PHASE B	9 70.8
HEATING (KVA):	4.0	PHASE C	11 88.3
KITCHEN (KVA):	0.0		KVA AMPS
MISCELLANEOUS (KVA):	0.0		
CONNECTED LOAD (KVA):	30.8		
DEMAND LOAD (KVA):	30.8		
CONNECTED LOAD (AMPS):	85.5		
DEMAND LOAD (AMPS):	85.5		
AMPACITY REQUIRED:	88.3		

NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

PANELBOARD SCHEDULE - "L2"

MAIN: 400A MLO | VOLTAGE: 208/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE | AIC: 22,000

CKT #	TRIP POLE	DESCRIPTION	LOAD (KVA) LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE A B C	LOAD (KVA) LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	TRIP POLE	CKT #
1	80/2	AH-2					7.5					0.4						RECEPTS - OFFICES	20/1	2
3	--	--					7.5					1.0						RECEPTS - OFFICES	20/1	4
5	50/2	CU-2				4.0						0.4						RECEPTS - WORKROOM	20/1	6
7	--	--				4.0						0.4						RECEPTS - WORKROOM	20/1	8
9	30/2	AH-3					7.5					0.4						RECEPTS - WORKROOM	20/1	10
11	--	--					7.5					.02						RECEPTS - WORKROOM	20/1	12
13	15/2	CU-3				4.0						0.6						RECEPTS - MANAGER	20/1	14
15						4.0								2.0				EH-A	20/1	16
17	80/2	AH-4					7.5							2.0				--	20/1	18
19	--	--					7.5							2.0				EH-A	20/1	20
21	50/2	CU-4				4.0								2.0				--	20/1	22
23	--	--				4.0						0.6						EF-2,3,4	20/1	24
25	80/2	AH-1					7.5					0.4						EF-T	20/1	26
27	--	--					7.5					0.4						EF-T	20/1	28
29	50/2	CU-1				4.0												SPARE	20/1	30
31	--	--				4.0												SPARE	20/1	32
33	20/1	SPARE										1.0						RECEPTS - PRINT/FAX	20/1	34
35	20/1	SPARE											1.0					DISPOSAL	20/1	36
37	100/3	SPARE																SPARE	20/1	38
39	--	--											1.0					DISPOSAL	20/1	40
41	--	--																SPARE	20/1	42
		SECTION 2																SECTION 2		
43	20/1	SPARE																SPARE	20/1	44
45	20/1	SPARE																SPARE	20/1	46
47	20/1	SPARE																SPARE	20/1	48
49	20/1	SPARE																SPARE	20/1	50
51	20/1	SPARE																SPARE	20/1	52
53	20/1	SPARE																SPARE	20/1	54
55	20/1	SPARE																SPARE	20/1	56
57	20/1	SPARE																SPARE	20/1	58
59	20/1	SPARE																SPARE	20/1	60
61	20/1	SPARE																SPARE	20/1	62
63	20/1	SPARE																SPARE	20/1	64
65	20/1	SPARE																SPARE	20/1	66

LIGHTING (KVA):	0.0	0.0 0.0 0.0 32.0 60.0 0.0 0.0	0.0 4.4 3.4 0.0 8.0 0.0 0.0
RECEPTACLES (KVA):	4.4		
MOTORS (KVA):	3.4	PHASE A	38 319.2
A/C (KVA):	32.0	PHASE B	38 319.2
HEATING (KVA):	68.0	PHASE C	31 260.0
KITCHEN (KVA):	0.0		KVA AMPS
MISCELLANEOUS (KVA):	0.0		
CONNECTED LOAD (KVA):	107.8		
DEMAND LOAD (KVA):	75.8		
CONNECTED LOAD (AMPS):	299.2		
DEMAND LOAD (AMPS):	210.4		
AMPACITY REQUIRED:	210.4		

NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

PANELBOARD SCHEDULE - "CF"

5

MAIN: 100A MLO | VOLTAGE: 208/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE | AIC: 22,000

CKT #	TRIP POLE	DESCRIPTION	LOAD (KVA) LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE A B C	LOAD (KVA) LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	TRIP POLE	CKT #
1	30/3	3 HP PUMP			2.5						1.0							LANDSCAPE LTG	20/1	2
3	--	---			2.5						1.0							LANDSCAPE LTG	20/1	4
5	--	---			2.5						1.0							LANDSCAPE LTG	20/1	6
7	20/1	LANDSCAPE RECEPS		0.6							1.0							LANDSCAPE LTG	20/1	8
9	20/1	LANDSCAPE RECEPS		0.6							1.0							LANDSCAPE LTG	20/1	10
11	20/1	GRILL		0.2							1.0							LANDSCAPE LTG	20/1	12
13	20/1	GRILL		0.2														SPARE	20/1	14
15	20/1	SPARE																SPARE	20/1	16
17	20/1	SPARE																SPARE	20/1	18
19	20/1	SPARE																SPARE	20/1	20
21	20/1	SPARE																SPARE	20/1	22

LIGHTING (KVA):	6.0	0.0 1.6 7.5 0.0 0.0 0.0 0.0	6.0 0.0 0.0 0.0 0.0 0.0 0.0
RECEPTACLES (KVA):	1.6		
MOTORS (KVA):	7.5	PHASE A	5 44.2
A/C (KVA):	0.0	PHASE B	5 42.5
HEATING (KVA):	0.0	PHASE C	5 39.2
KITCHEN (KVA):	0.0		KVA AMPS
MISCELLANEOUS (KVA):	0.0		
CONNECTED LOAD (KVA):	15.1		
DEMAND LOAD (KVA):	15.1		
CONNECTED LOAD (AMPS):	41.9		
DEMAND LOAD (AMPS):	41.9		
AMPACITY REQUIRED:	46.1		

NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

NOTE: CONTRACTOR SHALL COORDINATE WITH LANDSCAPE AND ARCH. ON LOCATION OF PANEL 'CF'

SWITCHBOARD SCHEDULE - 'MSB'

MAIN: 1600A | VOLTAGE: 208/120 | PHASE: 3 | WIRE: 4
MTG: FLOOR | AIC: 65,000

CKT #	CIRCUIT BREAKER FRAME	TRIP	POLE	DESCRIPTION	LOAD (KVA) LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE A B C
1	600	600	3	PANEL LG	11.0	0.2	12.4	11.1	2.0	0.0	2.5	
	-	-	-	-	11.0	0.2	9.5	14.2	2.0	0.0	2.5	
	-	-	-	-	9.5	0.4	9.5	12.7	0.0	0.0	0.0	
2	100	100	3	PANEL PE	2.0	1.6	5.0	1.1	2.0	0.0	0.0	
	-	-	-	-	1.0	0.0	6.0	1.5	0.0	0.0	0.0	
	-	-	-	-	1.0	0.0	5.0	2.6	2.0	0.0	0.0	
3	200	175	3	ELEV. #1			14.4					
	-	-	-	-			14.4					
	-	-	-	-			14.4					
4	200	175	3	ELEV. #2			14.4					
	-	-	-	-			14.4					
	-	-	-	-			14.4					
5	225	225	3	PANEL L1	4.1	3.8	0.0	0.0	2.0	0.0	0.0	
	-	-	-	-	3.1	9.2	0.0	0.0	2.0	0.0	0.0	
	-	-	-	-	2.0	9.0	0.6	0.0	0.0	0.0	1.2	
6	400	400	3	PANEL L2	0.0	1.4	0.4	12.0	24.5	0.0	0.0	
	-	-	-	-	0.0	2.4	1.4	8.0	26.5	0.0	0.0	
	-	-	-	-	0.0	0.6	1.6	12.0	17.0	0.0	0.0	
7	100	90	3	RTU-2			9.1					
	-	-	-	-			9.1					
	-	-	-	-			9.1					
8	100	90	3	BP-1			9.1					
	-	-	-	-			9.1					
	-	-	-	-			9.1					
9	100	60	3	PANEL CF	2.0	0.8	2.5	0.0	0.0	0.0	0.0	
	-	-	-	-	2.0	0.6	2.5	0.0	0.0	0.0	0.0	
	-	-	-	-	2.0	0.2	2.5	0.0	0.0	0.0	0.0	
10				SPACE								
	-	-	-	-								
					49.7	35.4	172.6	102.6	80.0	0.0	6.2	

CONNECTED LOAD (KVA):	446.4		
DEMAND LOAD (KVA):	433.7	PHASE A	1303.2 156.4
		PHASE B	1271.8 152.6
CONNECTED LOAD (AMPS	1239.0	PHASE C	1145.2 137.4
DEMAND LOAD (AMPS):	1203.8		AMPS KVA
AMPACITY REQUIRED:	1238.2		

NOTES:
1. INSTALL SWITCHBOARD ON 3" HIGH CONCRETE PAD (LENGTH AND WIDTH EXCEEDING BASE BY 3" ON ALL SIDES.)

1

5

PANELBOARD SCHEDULE - "LG"

MAIN: 600A MLO | VOLTAGE: 208/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE | AIC: 22,000

CKT #	TRIP POLE	DESCRIPTION	LOAD (KVA) LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE A B C	LOAD (KVA) LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	TRIP POLE	CKT #
1	20/2	GARAGE LIGHTING	1.4									4.2						EF-A	45/2	2
3	--	---	1.4									4.2						--	--	4
5	20/2	GARAGE LIGHTING	1.4									4.2						EF-A	45/2	6
7	--	---	1.4									4.2						--	--	8
9	20/2	GARAGE LIGHTING	1.4									0.7						EF-B	20/1	10
11	--	---	1.4									0.7						EF-B	20/1	12
13	20/2	GARAGE LIGHTING	1.4											2.0				EH-A	25/2	14
15	--	---	1.4											2.0				--	--	16
17	20/2	GARAGE LIGHTING	1.4										1.6					AH-FP	20/2	18
19	--	---	1.4										1.6					--	--	20
21	20/2	GARAGE LIGHTING	1.4										3.1					AH-T2	35/2	22
23	--	---	1.4										3.1					--	--	24
25	20/2	GARAGE LIGHTING	1.4										3.1					HP-T2	35/2	26
27	--	---	1.4										3.1					--	--	28
29	20/2	GARAGE LIGHTING	1.4										1.6					AH-S	20/2	30
31	--	---	1.4										1.6					--	--	32
33	20/2	AH-E1				1.6							1.6					HP-S	20/2	34
35	--	---				1.6							1.6					--	--	36
37	20/2	HP-E1				1.6							1.6					HP-FP	20/2	38
39	--	---				1.6							1.6					--	--	40
41	20/1	SPARE																SPACE	20/1	42
		SECTION 2																SECTION 2		
43	35/3	TRASH COMPACTOR			2.1													MAINT. RECEPTS	20/1	44
45	--	---			2.1													MAINT. RECEPTS	20/1	46
47	--	---			2.1													MAINT. RECEPTS	20/1	48
49	20/1	LIGHTING - ROOF	1.4															CO SENSOR PANEL	20/1	50
51	20/1	LIGHTING - ROOF	1.4										1.5					TRASH COMPACTOR	20/3	52
53	20/1	LIGHTING - ROOF	1.4										1.5					---	--	54
55	20/1	SPARE											1.5					---	--	56
57	20/1	LIGHTING - EMER/EXIT	1.0															SPARE	20/1	58
59	20/1	LIGHTING TRASH	0.1	0.2														SPARE	20/1	60
61	20/1	SUMP PUMP			0.2													SPARE	20/1	62
63	20/1	F.S.D'S			1.0													SPARE	20/1	64
65	20/1	EXHAUST FANS			1.0													SPARE	20/1	66
67	20/1	F.S.D'S			0.2													SPARE	20/1	68
69	20/1	REC. ELEV. PIT		0.2														SPARE	20/1	70
71	20/1	REC. ELEV. PIT		0.2														SPARE	20/1	72
73	20/1	LIGHTING - TRASH	1.2	0.2													2.5	DRYER	30/2	74
75	20/1	LIGHTING STAIRWELL	1.6														2.5	---	--	76
77	20/2	AH-T				1.6												SPARE	20/1	78
79	--	---				1.6												SPARE	20/1	80
81	20/2	HP-T				1.6												SPARE	20/1	82
83	--	---				1.6												SPARE	20/1	84

LIGHTING (KVA):	30.5	30.5 0.8 8.7 12.8 0.0 0.0 0.0	0.0 0.0 22.7 25.2 4.0 0.0 5.0
RECEPTACLES (KVA):	0.8		
MOTORS (KVA):	31.4	PHASE A	39 326.4
A/C (KVA):	38.0	PHASE B	39 328.3
HEATING (KVA):	4.0	PHASE C	31 259.2
KITCHEN (KVA):	0.0		KVA AMPS
MISCELLANEOUS (KVA):	5.0		
CONNECTED LOAD (KVA):	109.7		
DEMAND LOAD (KVA):	109.7		
CONNECTED LOAD (AMPS):	304.4		
DEMAND LOAD (AMPS):	304.4		
AMPACITY REQUIRED:	325.5		

NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

REVISIONS

1	9-2-2011	DESIGN REVISIONS
2	9-13-2011	ANSI/FHA COMMENTS
3	9-23-2011	DESIGN REVISIONS
4	10-17-2011	CONSTRUCTION ISSUE
5	12-21-2011	DESIGN REVISIONS

KELLER SPRINGS LOFTS

LOFT APARTMENTS IN ADDISON, TEXAS

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PANEL SCHEDULES

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