Panel DP1 for apts 108-122 = 15 apts										
apt. panel		DP1 bkr	feed from DP1 to apt unit							
unit	main bkr									
108	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
109	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
110	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
111	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
112	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
113	125/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
114	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
115	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
116	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
117	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
118	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
119	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
120	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
121	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
122	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							

Panel DP2 for apts 208-221 = 14 apts										
apt. panel		DP2 bkr	feed from DP2 to apt unit							
unit	main bkr									
208	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
209	150/3	150/2	3-1/0, #6 gnd., 1-1/2"c							
210	150/4	150/2	3-1/0, #6 gnd., 1-1/2"c							
211	150/5	150/2	3-1/0, #6 gnd., 1-1/2"c							
212	150/6	150/2	3-1/0, #6 gnd., 1-1/2"c							
213	150/7	150/2	3-1/0, #6 gnd., 1-1/2"c							
214	175/2	175/2	3-2/0, #6 gnd, 2"c							
215	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
216	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
217	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
218	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
219	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
220	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
221	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							

Panel DP3 for apts 101-107 & 203-207 = 12 apts										
apt. panel		DP3 bkr	feed from DP3 to apt unit							
unit	main bkr									
101	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
102	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
103	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
104	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
105	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
106	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
107	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
203	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
204	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
205	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
206	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
207	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							

Panel DP4 for apts 200-202 & 300-307										
apt. panel		DP4 bkr	feed from DP4 to apt unit							
unit	main bkr									
200	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
201	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
202	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
300	200/2	200/2	3-3/0, #6 gnd 2"							
301	175/2	175/2	3-2/0, #6 gnd, 2"c							
302	175/2	175/2	3-2/0, #6 gnd, 2"c							
303	175/2	175/2	3-2/0, #6 gnd, 2"c							
304	175/2	175/2	3-2/0, #6 gnd, 2"c							
305	175/2	175/2	3-2/0, #6 gnd, 2"c							
306	200/2	200/2	3-3/0, #6 gnd 2"							
307	200/2	200/2	3-3/0, #6 gnd 2"							

Panel DP5 for apts 123-139 = 17 apts										
apt. panel		DP1 bkr	feed from DP1 to apt unit							
unit	main bkr									
123	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
124	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
125	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
126	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
127	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
128	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
129	150/2	150/2	3-#1/0, #6 gnd.,1-1/ 2"c							
130	150/2	150/2	3-#1/0, #6 gnd.,1-1/ 2"c							
131	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
132	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
133	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
134	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
135	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
136	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
137	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
138	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							
139	125/2	125/2	3-#1, #6 gnd., 1-1/2"c							

Panel DP6 for apts. 222-238 = 17 units										
apt. panel		DP6 bkr	feed from DP6 to apt unit							
unit	main bkr									
222	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
223	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
224	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
225	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
226	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
227	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
228	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
229	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
230	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
231	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
232	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
233	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
234	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
235	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
236	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
237	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							
238	150/2	150/2	3-1/0, #6 gnd., 1-1/2"c							

Switchboard MDBA for distribution panels DP1,DP2,DP5										
service equipment rated and labeled			42 kaic				208/120 3ph/4w			
No Main breaker)	3000 AMLO									
900/3p for DP1										
1000/3p breaker for DP2										
1000/3p for DP5										

Panel MDBB for distribution panels DP3,DP4,DP6										
service equipment rated and labeled			42 kaic				208/120 3ph/4w			
	3000 AMLO									
No Main										
800/3p for DP3										
900/3p for DP4										
1200/3p for DP6										

Required circuits for apt. heat pumps & air handling units										
							HP disconnect			
Roof mounted HP		Panel P					NEMA 3R safety switch		AHU	Panel P
HP tons		HP breaker	HP circuit						AHU/KW	breaker
	1.5	20/2	2# 12,gnd, 1/2"c	30/2p					5.3	40/2
	2	25/2	2# 10,gnd, 1/2"c	30/2p					7.3	50/2
	2.5	30/2	2# 10,gnd, 1/2"c	30/2p					10.5	70/2
	3	35/2	2# 8,gnd, 3/4"c	60/2p					13.2	90/2
	3.5	50/2	2# 8,gnd, 3/4"c	60/2p						
	4	50/2	2# 8,gnd, 3/4"c	60/2p						

Distribution panel- apt. panel feeds										
First Floor										
Unit #	Distr. panel	feeder breaker	standard	Main breaker	HVAC	Add breakers for HVAC requirements		Feeder		Conduit
	in Distr. Panel	panel	in panel	Tons/KW	bkr for AHU	bkr for HP	breaker for AHU	neutral (gnd)		
101	DP-3	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
102	DP-3	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
103	DP-3	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
104	DP-3	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
105	DP-3	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
106	DP-3	150/2	yes	150/2	2/7.3	50/2	25/2	7,300	3-1/0, #6 gnd., 1-1/2"c	
107	DP-3	150/2	yes	150/2	2/7.3	50/2	25/2	7,300	3-1/0, #6 gnd., 1-1/2"c	
108	DP-1	150/2	yes	150/2	2/7.3	50/2	25/2	7,300	3-1/0, #6 gnd., 1-1/2"c	
109	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
110	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
111	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
112	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
113	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
114	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
115	DP-1	150/2	yes	150/2	2/10.5	70/2	25/2	10,500	3-1/0, #6 gnd., 1-1/2"c	
116	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
117	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
118	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
119	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
120	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
121	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
122	DP-1	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
123	DP-4	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
124	DP-4	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
125	DP-4	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
126	DP-5	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
127	DP-5	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
128	DP-5	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
129	DP-5	150/2	no	150/2	2/7.3	50/2	25/2	7,300	3-1/0, #6 gnd., 1-1/2"c	
130	DP-5	150/2	no	150/2	2/7.3	50/2	25/2	7,300	3-1/0, #6 gnd., 1-1/2"c	
131	DP-5	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
132	DP-5	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
133	DP-5	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
134	DP-5	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
135	DP-5	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
136	DP-5	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
137	DP-5	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
138	DP-5	125/2	yes	125/2	1.5/5.3	40/2	20/2	5,300	3-#1, #6 gnd., 1-1/2"c	
139	DP-5	125/2	yes	125/2	1.5/7.3	50/2	20/2	7,300	3-#1, #6 gnd., 1-1/2"c	

Distribution panel- apt. panel feeds										
Second Floor										
Unit #	Meter group	feeder breaker	standard	Main breaker	HVAC	Add breakers for HVAC requirements		Feeder		Conduit
	(M*)	in meter center	panel	in panel	Tons/KW	bkr for AHU	bkr for HP	breaker for AHU	neutral (gnd)	
200	DP-4	150/2	yes	150/2	2/7.3	50/2	25/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
201	DP-4	125/2	yes	125/2	1.5/5.3	40/2	20/2	40/2	3-#1, #6 gnd., 1-1/2"c	
202	DP-4	125/2	yes	125/2	1.5/5.3	40/2	20/2	40/2	3-#1, #6 gnd., 1-1/2"c	
203	DP-3	125/2	yes	125/2	1.5/5.3	40/2	20/2	40/2	3-#1, #6 gnd., 1-1/2"c	
204	DP-3	125/2	yes	125/2	1.5/5.3	40/2	20/2	40/2	3-#1, #6 gnd., 1-1/2"c	
205	DP-3	125/2	yes	125/2	1.5/5.3	40/2	20/2	40/2	3-#1, #6 gnd., 1-1/2"c	
206	DP-3	150/2	yes	150/2	3/10.5	70/2	35/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
207	DP-3	150/2	yes	150/2	2/7.3	50/2	25/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
208	DP-2	150/2	yes	150/2	3/10.5	70/2	35/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
209	DP-2	150/2	yes	150/2	2.5/10.5	70/2	30/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
210	DP-2	150/2	yes	150/2	2.5/10.5	70/2	30/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
211	DP-2	150/2	yes	150/2	3/10.5	70/2	35/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
212	DP-2	150/2	yes	150/2	2/7.3	50/2	25/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
213	DP-2	150/2	yes	150/2	2.5/10.5	70/2	30/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
214	DP-2	175/2	yes	175/2	3.5/13.2	90/2	50/2	90/2	3-2/0, #6 gnd, 2"c	
215	DP-2	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
216	DP-2	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
217	DP-2	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
218	DP-2	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
219	DP-2	150/2	yes	150/2	2.5/7.3	50/2	30/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
220	DP-2	150/2	yes	150/2	2.5/7.3	50/2	30/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
221	DP-2	150/2	yes	150/2	2.5/10.5	70/2	30/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
222	DP-6	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
223	DP-6	150/2	yes	150/2	2.5/7.3	50/2	30/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
224	DP-6	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
225	DP-6	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
226	DP-6	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
227	DP-6	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
228	DP-6	150/2	no	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
229	DP-6	150/2	no	150/2	2.5/7.3	50/2	30/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
230	DP-6	150/2	yes	150/2	3/10.5	70/2	35/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
231	DP-6	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
232	DP-6	150/2	yes	150/2	2.5/10.5	70/2	30/2	70/2	3-1/0, #6 gnd., 1-1/2"c	
233	DP-6	150/2	yes	150/2	1.5/7.3	50/2	20/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
234	DP-6	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
235	DP-6	150/2	yes	150/2	2.5/7.3	50/2	30/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
236	DP-6	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
237	DP-6	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	
238	DP-6	150/2	yes	150/2	2/7.3	50/2	25/2	50/2	3-1/0, #6 gnd., 1-1/2"c	

Distribution panel- apt. panel feeds										
Third Floor										
Unit #	Distr. panel	feeder breaker	standard	Main breaker	HVAC	Add breakers for HVAC requirements		Feeder		Conduit
	in Distr. Panel	panel	in panel	Tons/KW	bkr for AHU	bkr for HP	breaker for AHU	neutral (gnd)		
300	DP-4	200/2	yes	200/2	3.5/10.5	50/2	35/2	90/2	3-3/0, #6gnd	2"
301	DP-4	175/2	yes	175/2	3/10.5	70/2	35/2	70/2	3-2/0, #6 gnd,	2"c
302	DP-4	175/2	yes	175/2	3/10.5	70/2	35/2	70/2	3-2/0, #6 gnd,	2"c
303	DP-4	175/2	yes	175/2	3/10.5	70/2	35/2	70/2	3-2/0, #6 gnd,	2"c
304	DP-4	175/2	yes	175/2	3/10.5	70/2	35/2	70/2	3-2/0, #6 gnd,	2"c
305	DP-4	175/2	yes	175/2	3/10.5	70/2	35/2	70/2	3-2/0, #6 gnd,	2"c
306	DP-4	200/2	yes	200/2	4/13.2	90/2	50/2	90/2	3-3/0,#6gnd	2"
307	DP-4	200/2	yes	200/2	4/13.2	90/2	50/2	90/2	3-3/0,#6gnd	2"

Plotted : 1/12/03 2:10p 2006\E7

AS-BUILT DRAWING

SHEET NO. E-7

DATE 1/10/03
DRAWN BY LH
REVISIONS

PROJECT:
LEXINGTON LOFTS
200 BOLIVAR STREET
LEXINGTON, KENTUCKY

DRAWING:
SCHEDULES

The McGoodwin Company
Commercial Real Estate

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Consulting Engineers
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