

Electrical M1-A Schedule

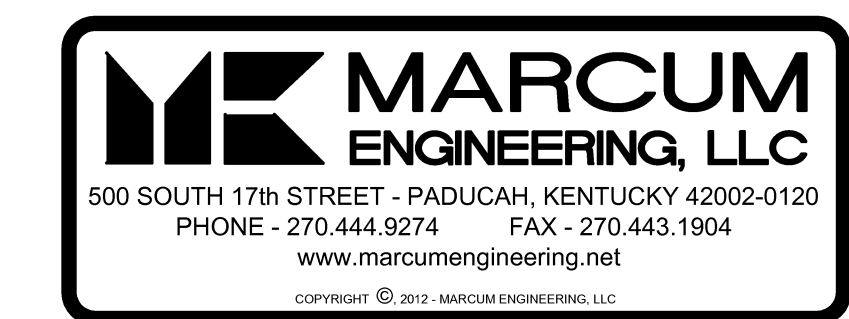
VOLTS/PHASE/WIRE: 277/480/3/4		PANEL SIZE: 1200 A	MAIN TYPE & SIZE: 1200 A MCB			CABINET: -----	MIN SCC: 42000	FED FROM: -----		
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			NO. POLES	TRIP AMPS	AREA SERVED	CIRCUIT NO.
				A	B	C				
1,3,5	PANEL M1-B	600	3	80263	81560	78889	3	400	FUTURE CHILLER (350 TON)	2,4,6
7,9,11	PANEL LS	100	3	81667	81067	81667	3	100	SPARE	8,10,12
13,15,17	SPARE	60	3	0	0	0	3	60	SPARE	14,16,18
CONNECTED LOAD				163900	164299	160757	489.0	KVA		

LOAD CATEGORY	CONN. LOAD	DEMAND FACTOR	EST. LOAD
Equipment	412.4	1.00	412.4
Lighting	36.8	1.25	46.0
Receptacles (0 - 10 KVA)	10.0	1.00	10.0
Receptacles (Over 10 KVA)	29.6	0.50	14.8
Motors	0.0	1.00	0.0
Motors (Largest)	0.1	1.25	0.1
TOTAL	489.0		483.4

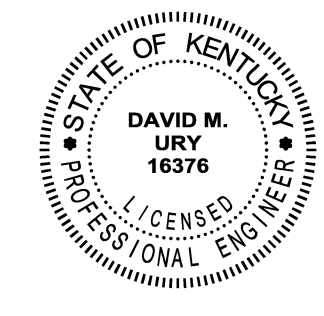
Electrical M1-B Schedule

VOLTS/PHASE/WIRE: 277/480/3/4		PANEL SIZE: 600 A	MAIN TYPE & SIZE: 600 A MCB			CABINET: -----	MIN SCC: 42000	FED FROM: M1-A		
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			NO. POLES	TRIP AMPS	AREA SERVED	CIRCUIT NO.
				A	B	C				
1,3,5	SPARE	100	3	0	0	0	3	100	PANEL L	2,4,6
7,9,11	PANEL R1 via Transformer	110	3	10451	12128	11077	3	100	PANEL R3 via Transformer	8,10,12
13,15,17	RTU-1	90	3	17456	17416	17004	3	110	RTU-2	14,16,18
19,21,23	RTU-3	15	3	3128	2788	1580	3	110	RTU-2	14,16,18
25,27,29	P-1B	15	3	20289	20289	20289	3	15	P-1A	20,22,24
31,33,35	SPARE	225	3	25022	25022	25022	3	225	SPARE	26,28,30
37,39,41	SPARE	100	3	3155	3155	3155	3	100	SPARE	32,34,36
CONNECTED LOAD				80263	81560	78889	240.7	KVA		

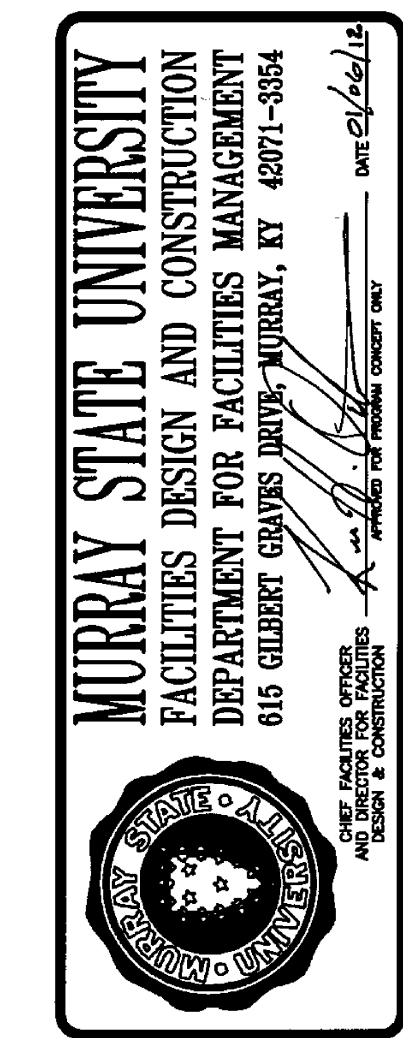
LOAD CATEGORY	CONN. LOAD	DEMAND FACTOR	EST. LOAD
Equipment	167.4	1.00	167.4
Lighting	33.5	1.25	41.9
Receptacles (0 - 10 KVA)	10.0	1.00	10.0
Receptacles (Over 10 KVA)	29.6	0.50	14.8
Motors	0.0	1.00	0.0
Motors (Largest)	0.1	1.25	0.1
TOTAL	240.7		234.3



NOTE:
* - GFI TYPE BREAKER



Hastings+Chivetta
ARCHITECTURE • PLANNING • ENGINEERING
629 Emerson, Suite 200 | Clark, Louisville, Missouri 63041 | Tel: 314.883.2711 Fax: 314.883.2833 www.hastingschivetta.com



SPORTS PRACTICE FACILITY
MURRAY STATE UNIVERSITY
MURRAY, KENTUCKY
BID SET - 2012-01-04



REVISIONS

Date - 2012-01-04
H+C Project No - 2983.00
FDC Project No - 10-007
BFW Project No - 11194
Marcum Project No - 11557

Sheet Name - ELECTRICAL PANEL SCHEDULES

E5.02

A

B

C

D

E

F

Electrical L Schedule

VOLTS/PHASE/WIRE: 277/480/3/4		PANEL SIZE: 100 A	MAIN TYPE & SIZE: 100 A MLO			CABINET: -----	MIN SCC: 42000	FED FROM: M1-B		
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			NO. POLES	TRIP AMPS	AREA SERVED	CIRCUIT NO.
				A	B	C				
1	LIGHTS - WEST	20	1	2491	0	0	1	20	LIGHTS - CORRIDOR WEST	2
3	LIGHTS - EAST	20	1	432	1886	0	1	20	LIGHTS CORRIDOR EAST	4
5	LIGHTS - GYM 1010	20	1	0	1778	0	1	20	LIGHTS - GYM 1010	6
7	LIGHTS - GYM 1010	20	1	0	0	2552	1	20	LIGHTS - GYM 1010	8
9	LIGHTS - GYM 1010	20	1	2320	0	0	1	20	LIGHTS - GYM 1010	10
11	LIGHTS - GYM 1010	20	1	2320	0	0	1	20	LIGHTS - GYM 1010	12
13	EXTERIOR LIGHTS	20	1	0	0	2320	1	20	HALL OF FAME LIGHTS	14
15	LIGHTS - CORRIDOR NORTH	20	1	268	0	0	1	20	PANEL HLF	16
17	LIGHTS - LOBBY 1000	20	1	0	120	0	1	20	LIGHTS - LOBBY 1000	18
19	LIGHTS - GYM 1010	20	1	0	0	518	1	20	LIGHTS - GYM 1010	20
21	LIGHTS - GYM 1010	20	1	1320	0	0	1	20	LIGHTS - GYM 1010	22
23	SPARE	20	1	0	0	0	1	20	SPARE	24
25	SPARE	20	1	0	0	0	1	20	SPARE	26
27	SPARE	20	1	0	0	0	1	20	SPARE	28
29	SPARE	20	1	0	0	0	1	20	SPARE	30
CONNECTED LOAD				10451	12128	11077	33.7	KVA		

LOAD CATEGORY	CONN. LOAD	DEMAND FACTOR	EST. LOAD
Equipment	0.0	1.00	0.0
Lighting	33.5	1.25	41.9
Motors	0.0	1.00	0.0
Motors (Largest)	0.1	1.25	0.1
TOTAL	33.7		42.1

Electrical R1 Schedule

VOLTS/PHASE/WIRE: 120/208/3/4		PANEL SIZE: 225 A	MAIN TYPE & SIZE: 225 A MCB			CABINET: -----	MIN SCC: 22000	FED FROM: M1-B		
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			NO. POLES	TRIP AMPS	AREA SERVED	CIRCUIT NO.
				A	B	C				
1	RM 1000, 1010 REC	20	1	540	0	0	1	20	VENDING MACHINE REC	2 *
3	VENDING MACHINE REC	20	1	500	0	0	1	20	RM 1005 HVAC COMPUTER REC	4
5	RM 1005, 1015, EXTERIOR REC	20	1	0	360	0	1	20	RM 1180 FAX PANEL	6
7	RM 1015 REC AND PLUMBING POWER	20	1	180	0	180	1	20	RM 1020, 1120 REC	8
9	RM 1025 REC	20	1	540	0	0	1	20	RM 1025 TV REC	10
11	RM 1030 REC	20	1	0	1080	0	1	20	RM 1030 TV REC	12
13	RM 1035 REC	20	1	0	0	900	1	20	RM 1035 TV REC	14
15	RM 1040 REC	20	1	500	0	0	1	20	RM 1040 TV REC	16
17	RM 1050 REC	20	1	0	500	0	1	20	RM 1103 REC	18
19	RM 1103 TV REC	20	1	0	0	900	1	20	RM 1102 TV REC	20
21	RM 1102 REC	20	1	500	0	0	1	20	RM 1101 REC	22
23	RM 1114 PRINTER REC	20	1	0	900	0	1	20	RM 1114 REC	24
25	RM 1114 REC	20	1	0	0	500	1	20	RM 1114 MICROWAVE REC	26 *
27	RM 1114 REFRIGERATOR REC	20	1	540	0	0	1	20	RM 1000 REC	28
29	RM 1000, 1000X, EXTERIOR REC	20	1	1100	0	0	1	20	RM 1000Y, 1010 REC	30
31	RM 1000Y, 1010 REC	20	1	0	1100	0	1	20	RM 1201 REC	32
33	RM 1202 REC	20	1	900	0	0	1	20	RM 1202 TV REC	34
35	RM 1203 TV REC	20	1	0	0	1080	1	20	RM 1203 REC	36
37	RM 1203 REC	20	1	0	500	0	1	20	RM 1205 REC	38
39	RM 1205 TV REC	20	1	720	0	0	1	20	RM 1206 REC	40
41	RM 1206 TV REC	20	1	900	0	0	1	20	RM 1207 REC	42
FIL	PANEL R2	225	3	0	0	900	1	20		
CONNECTED LOAD				17456	17416	17004	51.9	KVA		

LOAD CATEGORY	CONN. LOAD	DEMAND FACTOR	EST. LOAD
Equipment	13.5	1.00	13.5
Receptacles (0 - 10 KVA)	10.0	1.00	10.0
Receptacles (Over 10 KVA)	28.4	0.50	14.2
TOTAL	51.9		37.7

LOAD CATEGORY	CONN. LOAD	DEMAND FACTOR	EST. LOAD
Equipment	13.5	1.00	13.5
Receptacles (0 - 10 KVA)	10.0	1.00	10.0
Receptacles (Over 10 KVA)	28.4	0.50	14.2
TOTAL	51.9		37.7

Electrical LS Schedule

VOLTS/PHASE/WIRE: 277/480/3/4		PANEL SIZE: 100 A	MAIN TYPE & SIZE: 100 A MCB			CABINET: -----	MIN SCC: 42000	FED FROM: M1-A		
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			NO. POLES	TRIP AMPS	AREA SERVED	CIRCUIT NO.
				A	B	C				
1	LIGHTS - CORRIDORS	20	1	1920	0	0	1	20	LIGHTS - VESTIBULE AND CANOPY	2
3	LIGHTS - GYM	20	1	50	0	0	1	20	LIGHTS - EXTERIOR EGRESS	4
5	LIGHTS - HALL OF FAME	20	1	0	124	0	1	20	SPARE	6
7	SPARE	20	1	0	0	201	1	20	SPARE	8
9	SPARE	20	1	0	0	0	1	20	SPARE	10
11	SPARE	20	1	0	0	0	1	20	SPARE	12
CONNECTED LOAD				1870	1072	201	3.2	KVA		

LOAD CATEGORY	CONN. LOAD	DEMAND FACTOR	EST. LOAD
Lighting	3.2	1.25	4.1
TOTAL	3.2		4.1

Electrical R2 Schedule

VOLTS/PHASE/WIRE: 120/208/3/4		PANEL SIZE: 225 A	MAIN TYPE & SIZE: 225 A MLO			CABINET: -----	MIN SCC: 22000	FED FROM: R1		
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			NO. POLES	TRIP AMPS	AREA SERVED	CIRCUIT NO.
				A	B	C				
1,3,5	SPARE	20	3	0	0	0	3	20	SPARE	2,4,6
7	RM 1207 TV REC	20	1	0	0	0	1	20	RM 1208 REC	8
9	RM 1208 TV REC	20	1	500	0	0	1	20	RM 1209, 1010 REC	10
11	RM 1214 WATER FOUNTAIN REC	20	1	0	500	0	1	20	RM 1210, 1213, 1200, EXTERIOR REC	12
13	RM 1213 REC AND PLUMBING POWER	20	1	0	0	720	1	20	RM 1010 FLOOR REC	14
15	RM 1010 FLOOR REC	20	1	180	0	0	1	20	RM 1010 PA SYSTEM/SOUND REINFORCEMENT	16
17	SPARE	20	1	720	0	0	1	20	RM 1010 CURTAIN	18
19	RM 1010 SHOT CLOCK	20	1	0	500	0	1	20	RM 1010 SHOT CLOCK	20
21	RM 1010 SCOREBOARD	20	1	560	0	0	1	20	RM 1010 SCOREBOARD	22
23	RM 1010 ELECTRIC SHADE	20	1	0	200	0	1	20	RM 1010 ELECTRIC SHADE	24
25	RM 1010 ELECTRIC SHADE	20	1	0	0	864	1	20	RM 1010 ELECTRIC SHADE	26
27	RM 1010 ELECTRIC SHADE	20	1	864	0	0	1	20	RM 1010 ELECTRIC SHADE	28
29	RM 1010 ELECTRIC SHADE	20	1	0	864	0	1	20	RM 1010 ELECTRIC SHADE	30
31	RM									