



M.E. RINKER, Sr. HALL
SCHOOL OF BUILDING CONSTRUCTION
 UNIVERSITY OF FLORIDA-GAINESVILLE
 PROJECT NO. BR-191

SWITCHBOARD: PP-1MR VOLTS: 120/208 HZ: 60 PHASE: 3 WIRE: 4+G													
BUS SIZE: 225A NEUT. 255A GRD. 100A SCA. SYM: 22,000 AIC													
CKT. NO.	SERVES	kVA (HP.)	AMP.	CIRCUIT BREAKER		VOLTAGE DROP		WIRE			CONDUIT		REMARKS
				POLE	TRIP	FT.	%	NO.	SIZE	NO.	GRD.	NO.	
	MAN		83	3	100	100							
1	FAN, F-8	(1/4)	5.8	1	100	20		2	12	1	12	1	3/4"
2	FAN, F-9	(1/4)	5.8	1	100	20		2	12	1	12	1	3/4"
3	FAN, F-11	(1/4)	4.4	1	100	15		2	12	1	12	1	3/4"

MCC: MCC-1 VOLTS: 277/480 HZ: 60 PHASE: 3 WIRE: 4+G														
BUS SIZE: 400A MAINS: 100A MCB NEUT. 400A GRD. 200A SCA. SYM: 22,000 AIC														
CKT. NO.	SERVES	kVA (HP.)	AMP.	CIRCUIT BREAKER		VOLTAGE DROP		WIRE			CONDUIT		REMARKS	
				POLE	TRIP	FT.	%	NO.	SIZE	NO.	GRD.	NO.		SIZE
	MAN		3	225									NON-TRIP	
1	PUMP, P-1	(15)	21	3	100	40		3	8	1	10	1	1"	HMCP C/B
2	PUMP, P-2	(15)	21	3	100	40		3	8	1	12	1	3/4"	HMCP C/B
3	PUMP, P-3	(10)	15.2	1	100	30		2	10	1	12	1	3/4"	HMCP C/B
4	PUMP, P-4	(10)	15.2	3	100	30		2	10	1	12	1	3/4"	HMCP C/B
5	FAN, F-12	(3/4)	3.1	3	100	15		2	12	1	12	1	3/4"	HMCP C/B
6	ER-1	(15)	21	3	100	40		2	12	1	12	1	3/4"	HMCP C/B
7	DUPLEX PUMP	(1/2-1/2)	2.2	3	100	15		3	12	1	12	1	3/4"	HMCP C/B
8	SPACE													

SWITCHBOARD: MDP-EM VOLTS: 277/480 HZ: 60 PHASE: 3 WIRE: 4W+1G														
BUS SIZE: 400 A NEUT. 400 A GRD. 200 A SCA. SYM: 22,000 AIC														
CKT. NO.	SERVES	kVA (HP.)	AMP.	CIRCUIT BREAKER		VOLTAGE DROP		WIRE			CONDUIT		REMARKS	
				POLE	TRIP	FT.	%	NO.	SIZE	NO.	GRD.	NO.		SIZE
	MAN		3	400	225									
1	PP-1EM		3	100	70		3	6	1	10	1	1"		
2	MCC-1EM	70	85	3	100	100		3	2	1	8	1	1-1/2"	HMCP C/B
3	HLP-1EM		3	100	50		4	4	1	8	1	1-1/4"		
4	HLP-2EM		3	100	50		4	4	1	8	1	1-1/4"		
5	HLP-3EM		3	100	50		4	4	1	8	1	1-1/4"		

MCC: MCC-1EM VOLTS: 277/480 HZ: 60 PHASE: 3 WIRE: 4+G														
BUS SIZE: 225A MAINS: 100A MCB NEUT. 225A GRD. 200A SCA. SYM: 22,000 AIC														
CKT. NO.	SERVES	kVA (HP.)	AMP.	CIRCUIT BREAKER		VOLTAGE DROP		WIRE			CONDUIT		REMARKS	
				POLE	TRIP	FT.	%	NO.	SIZE	NO.	GRD.	NO.		SIZE
	MAN		3	225									NON-TRIP C/B	
1	FAN, F-1	15	21	3	100	40		3	8	1	10	1	1"	HMCP C/B
2	FAN, F-2	10	14	3	100	30		3	10	1	12	1	3/4"	HMCP C/B
3	SPARE		3	100	20		2	12	1	12	1	3/4"	HMCP C/B	
4	FAN, F-4	5	8.0	3	100	20		3	12	1	12	1	3/4"	HMCP C/B
5	FAN, F-5	5	8.0	3	100	20		3	12	1	12	1	3/4"	HMCP C/B
6	FAN, F-6	5	8.0	3	100	20		3	12	1	12	1	3/4"	HMCP C/B
7	FAN, F-7	5	8.0	3	100	20		3	12	1	12	1	3/4"	HMCP C/B
8	FAN, F-8	1	3	100	15		3	12	1	12	1	3/4"	HMCP C/B	
9	SUMP PUMP, P-1	1/2	1	3	100	15		3	12	1	12	1	3/4"	HMCP C/B
10	SUMP PUMP, P-2	1/2	1	3	100	15		3	12	1	12	1	3/4"	HMCP C/B
11	DUPLEX PUMP		3	100	30		3	10	1	10	1	3/4"	HMCP C/B	

PROJECTS
CROXTON COLLABORATIVE/
GOULD EVANS ASSOCIATES

CROXTON COLLABORATIVE ARCHITECTS
 475 FIFTH AVENUE
 NEW YORK, NY 10017
 TEL 212-683-1998
 FAX 212-683-2799

GOULD EVANS ASSOCIATES
 5405 WEST CYPRESS STREET
 TAMPA, FL 33607
 TEL 813-288-0729
 FAX 813-288-0231

MECHANICAL ENGINEERS
LEHR ASSOCIATES

130 WEST 30TH STREET
 NEW YORK, NY 10001-4092
 TEL 212-947-8853
 FAX 212-967-2059

STRUCTURAL ENGINEER
WALTER P. MOORE

201 EAST KENNEDY BOULEVARD
 TAMPA, FL 33602
 TEL 813-221-2424
 FAX 813-221-2289

CIVIL ENGINEER
BROWN & CULLEN, INC.

3530 NW 43 STREET
 GAINESVILLE, FL 32605
 TEL 352-375-8999
 FAX 352-375-0833

LANDSCAPE ARCHITECTS
McCLAIN DESIGN GROUP, INC.

1843 NW 39 DRIVE
 GAINESVILLE, FL 32605
 TEL 352-372-2888
 FAX 352-372-6622

CONSULTANT
SEEDY-BISCH

AUSSERE SULZBACHER STR. 118
 MURNBERG, GERMANY
 TEL 0911/59 99 99
 FAX 0911/59 98 05

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