VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☑ 100A, ☐ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 100 A-3P AUTO. LUGS ONLY ☐
PANEL 1LPS AREA SERVED LAB 1034

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.	.8			20/1	1	2	20/1	.6			RECEPT.
		.8			3	4			.6		
			.8		5	6	30/			1.9	
	.2				7	8	/2	1.9			
		.8			9	10	20/1		.6		
			.8		11	12				1.2	
HOOD	1.2				13	14					SHUNT-TRIP CONTROL
		1.2			15	16					SPARE
RECEPT.			.4		17	18					
SPARE					19	20					
					21	22					
					23	24					
SPACE					25	26					SPACE
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

KVA/PHASE 4.7 ØA 4.0 ØB 5.1 ØC
TOTAL = 13.8 KVA 39 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 125 A-3P AUTO. LUGS ONLY ☐
PANEL 1LPT AREA SERVED PHYS. 1084

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.	.6			20/1	1	2	20/1	.6			RECEPT.
		.6			3	4			.6		
			.6		5	6				.6	
	.6				7	8		.4			
		.6			9	10			.6		
			.6		11	12				1.2	
DISPOSER	1.2				13	14		.4			
		1.2			15	16					SHUNT-TRIP CONTROL
SPARE					17	18					SPARE
					19	20					
					21	22					
					23	24					
SPACE					25	26					SPACE
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

KVA/PHASE 3.8 ØA 3.6 ØB 3.0 ØC
TOTAL = 10.4 KVA 29 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 125 A-3P AUTO. LUGS ONLY ☐
PANEL 1LPV AREA SERVED RM. 1081, 1082, 1083

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.-RM. 1081	.6			20/1	1	2	20/1	.8			RECEPT.-RM. 1083
		.8			3	4			.6		1082
			.6		5	6				.6	
	.8				7	8		.8			, 1083
		.6			9	10	20/		1.2		
			.8		11	12	/2			1.2	
	.6				13	14	20/1				SHUNT-TRIP CONTROL
		.8			15	16					SPARE
			.8		17	18					
	.8				19	20					
FUTURE - RM. 1082		.8			21	22					
			.8		23	24					
SPARE					25	26					
					27	28					
					29	30					
SPACE					31	32					SPACE
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

KVA/PHASE 4.4 ØA 4.8 ØB 4.8 ØC
TOTAL = 14.0 KVA 39 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 125 A-3P AUTO. LUGS ONLY ☐
PANEL 1LPW AREA SERVED ANATOMY # 1080

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.	.6			20/1	1	2	20/1	1.2			HOOD
		.6			3	4			1.2		
			.6		5	6				.4	RECEPT.
	.6				7	8		.6			
		.6			9	10			.8		
			.6		11	12	20/			1.2	
SPARE					13	14	/2	1.2			
					15	16	20/1				SHUNT-TRIP CONTROL
					17	18					SPARE
					19	20					
					21	22					
					23	24					
SPACE					25	26					SPACE
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

KVA/PHASE 4.2 ØA 3.2 ØB 2.8 ØC
TOTAL = 10.2 KVA 29 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 125 A-3P AUTO. LUGS ONLY ☐
PANEL 1LPX AREA SERVED RM. 1078A, B, C, D, 1079

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.-RM.1078A	.4			20/1	1	2	20/1	.6			RECEPT.-RM. 1078D
ANIMAL CUB.-		2.4		30/1	3	4			.4		-STOR.
			2.4	30/1	5	6				1.2	-RM. 1078D
RECEPT.-RM. 1078C	.6			20/1	7	8		.6			-RM. 1079
		.6			9	10			.6		
			.8		11	12					SHUNT-TRIP CONTROL
-RM. 1078B	.6				13	14					SPARE
SPARE					15	16					
					17	18					
					19	20					
					21	22					
					23	24					
SPACE					25	26					SPACE
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

KVA/PHASE 2.8 ØA 4.0 ØB 4.4 ØC
TOTAL = 11.2 KVA 32 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 125 A-3P AUTO. LUGS ONLY ☐
PANEL 1LPY AREA SERVED RM. 1011, 1041, 1042

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.- RM. 1011	.6			20/1	1	2	20/1	.4			RECEPT.- RM. 1042
		.6			3	4			.2		1011
			.8		5	6				.6	1042
	.2				7	8		.4			1011
		.4			9	10			1.2		HOOD
			.8		11	12				1.2	
	1.8			30/1	13	14		1.2			RECEPT.
-RM. 1041		.8		20/1	15	16	20/		1.2		
			.4		17	18	/2			1.2	
SPARE					19	20	20/1	.6			
					21	22			.6		
					23	24					SHUNT-TRIP CONTROL
					25	26					SPARE
					27	28					
					29	30					
SPACE					31	32					SPACE
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

KVA/PHASE 5.2 ØA 5.0 ØB 5.0 ØC
TOTAL = 15.2 KVA 43 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 125 A-3P AUTO. LUGS ONLY ☐
PANEL 1LPZ AREA SERVED LAB 1072

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.	.8			20/1	1	2	20/1	1.2			RECEPT.
		.8			3	4			1.2		
			1.0		5	6				.2	
	1.0				7	8		1.2			
		.8			9	10			1.2		
			.8		11	12				1.2	
	.8				13	14		1.2			
		1.0			15	16			1.2		
			.8		17	18				1.2	
	.8				19	20		1.2			
		.8			21	22			.8		
			1.0		23	24	30/			1.9	
	.4				25	26	/2	1.9			
HOOD		1.2			27	28	20/1		1.2		
			1.2		29	30				1.2	
	1.2				31	32					SPARE
		1.2			33	34					
RECEPT.			.8		35	36					
SPARE					37	38					SPACE
					39	40					
					41	42					

KVA/PHASE 11.7 ØA 11.4 ØB 11.3 ØC
TOTAL = 34.4 KVA 96 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 125 A-3P AUTO. LUGS ONLY ☐
PANEL 1LPAA AREA SERVED LAB 1071

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.	.8			20/1	1	2	20/1	1.2			RECEPT.
		.6			3	4			1.2		
			.8		5	6				1.2	
	.8				7	8		1.2			
		.6			9	10			1.2		
			.8		11	12				1.2	
	.4				13	14		.8			
HOOD		1.2			15	16	30/		1.9		
			1.2		17	18	/2			1.9	
SPARE					19	20	20/1	1.2			
					21	22			.4		
					23	24					SPARE
					25	26					
					27	28					
					29	30					
SPACE					31	32					SPACE
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

KVA/PHASE 6.4 ØA 7.1 ØB 7.1 ØC
TOTAL = 20.6 KVA 58 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 125 A-3P AUTO. LUGS ONLY ☐
PANEL 1LPBB AREA SERVED LAB 1071

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.	.8			20/1	1	2	20/1	1.2			HOOD
		.6			3	4			1.2		
			.8		5	6				.8	RECEPT.
	.8				7	8		1.2			-LAM. HOOD
		.6			9	10			1.2		
			.8		11	12				1.2	
	.6				13	14		.6			
		.8			15	16			.4		
			.8		17	18					SHUNT-TRIP CONTROL
	.6				19	20					SPARE
		.8			21	22					
			.8		23	24					
SPARE					25	26					
					27	28					
					29	30					
SPACE					31	32					SPACE
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

KVA/PHASE 5.8 ØA 5.6 ØB 5.2 ØC
TOTAL = 16.6 KVA 46 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
NON-SHUNT-TRIP MAIN 125 A-3P AUTO. LUGS ONLY ☐
EMERG. PANEL 1EMPA AREA SERVED LAB- 1ST FLOOR

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.-RM.1012-EQUIP.SPACE	1.2			20/1	1	2	20/1	1.2			RECEPT.-RM.1222- REF.
1011		1.2			3	4			1.2		
1072			1.2		5	6					SPARE
	.2				7	8					
1071		.4			9	10					
-EQUIP.SPACE			1.2		11	12					
SPARE					13	14					
					15	16					
					17	18					
SPACE					19	20					SPACE
					21	22					
					23	24					
					25	26					
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

KVA/PHASE 2.6 ØA 2.8 ØB 2.4 ØC
TOTAL = 7.8 KVA 22 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☑ 100A, ☐ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
NON- SHUNT-TRIP MAIN 100 A-3P AUTO. LUGS ONLY ☐
PANEL 2LPA AREA SERVED RM. 2255, 2257, 2258

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.-RM.2257	.6			20/1	1	2	20/	1.5			COLD ROOM-RM. 2258
		.6			3	4			1.5		CONTROL
- FUT. LAM. HOOD			1.9		5	6	/3			1.5	PANEL -
	.8				7	8	20/	1.5			
-RM.2258		.8			9	10			1.5		
			.6		11	12	/3			1.5	
SPARE					13	14					SPACE
					15	16					
					17	18					
					19	20					
					21	22					
					23	24					
					25	26					
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

KVA/PHASE 5.2 ØA 5.2 ØB 5.5 ØC
TOTAL = 15.9 KVA 45 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 150 A-3P AUTO. LUGS ONLY ☐
PANEL 2LPB AREA SERVED RM. 2254, 2265, 2266, 2267, 2284

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.-RM.2266	.6			20/1	1	2	20/1	1.2			RECEPT.-VP-RM.2284
2254, 2266		.8			3	4			1.2		HOOD-RM.2284
2265			.8		5	6				1.2	
2284	.4				7	8		1.2			
-EQUIP.		1.2			9	10			1.2		
			1.2		11	12				1.2	RECEPT.-VP-RM.2284
	.6				13	14		.8			-RM.2267
		.6			15	16			1.2		
			1.2		17	18				1.2	
	.6				19	20		1.2			
		.6			21	22	20/		1.2		
			1.2		23	24	/2			1.2	
	.8				25	26	20/	1.5			MAGNET
		.8			27	28			1.5		
SHUNT-TRIP CONTROL					29	30	/3			1.5	
SPARE					31	32	30/1	2.4			RECEPT.
					33	34	20/1				SPARE
					35	36					
					37	38					SPACE
					39	40					
					41	42					

KVA/PHASE 11.3 ØA 10.3 ØB 10.7 ØC
TOTAL = 32.3 KVA 90 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 125 A-3P AUTO. LUGS ONLY ☐
PANEL 2LPC AREA SERVED RM# 2263, 2264, 2283

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT.- RM. 2283	.8			20/1	1	2	20/1	.8			RECEPT.-RM.2283-EQUIP.SPACE
HOOD -		1.2			3	4			1.2		
			1.2		5	6				1.2	
RECEPT. -STILL	1.0				7	8		1.2			
HOOD -		1.2			9	10			.4		
			1.2		11	12				1.0	-UCR
RECEPT.	.8				13	14		.6			
		.6			15	16			.6		-RM.2264
			.6		17	18				.4	
	.6				19	20		.6			-RM.2263, 2264
		.6			21	22			.6		- 2263
			.6		23	24					SHUNT-TRIP CONTROL
	.6				25	26	30/	1.9			RECEPT.-RM.2283-EQUIP.SPACE
		.6			27	28	/2		1.9		
			.6		29	30	30/			1.9	
SPARE					31	32	/2	1.9			
					33	34	30/		1.9		
					35	36	/2			1.9	
					37	38					SPACE
					39	40					
					41	42					

KVA/PHASE 10.8 ØA 10.8 ØB 10.6 ØC
TOTAL = 32.2 KVA 90 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 175 A-3P AUTO. LUGS ONLY ☐
PANEL 2LPD AREA SERVED RM. 2253, 2261, 2282

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
COLD RM. - RM. 2253	1.5			20/	1	2	20/1	1.2			HOOD - RM. 2282
CONTROL		1.5			3	4			1.2		
PANEL			1.5	/3	5	6				1.0	STERIL. CONT. - RM. 2261
	1.5			20/	7	8		.6			RECEPT. - RM. 2282
		1.5			9	10			.6		
			1.5	/3	11	12				1.2	
STERILIZER - RM. 2261	7.5			90/	13	14		.4			
		7.5			15	16			1.0		- UC REF.
			7.5	/3	17	18	30/			1.9	
SPARE				20/1	19	20	/2	1.9			
					21	22	20/1				SHUNT-TRIP CONTROL
					23	24					SPARE
					25	26					
					27	28					
					29	30					
SPACE					31	32					SPACE
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

KVA/PHASE 14.6 ØA 13.3 ØB 14.6 ØC
TOTAL = 42.5 KVA 118 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 125 A-3P AUTO. LUGS ONLY ☐
PANEL 2LPE AREA SERVED RM. 2251, 2252, 2281

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
HOOD- RM. 2281	1.2			20/1	1	2	20/1	.6			RECEPT. - RM.2251
		1.2			3	4			.4		
RECEPT. -VP			1.2		5	6	30/			1.9	-RM. 2281
	.4				7	8	/2	1.9			
		.2			9	10	20/1		.6		- RM. 2252
			1.2		11	12				.4	
HOOD -	1.2				13	14	30/	1.9			- RM. 2281
		1.2			15	16	/2		1.9		
RECEPT. -VP			1.2		17	18	20/1			.6	
	.6				19	20		.4			
		.6			21	22			.8		
			.4		23	24				.4	
	.4				25	26		.4			-RM. 2252, 2281
		1.9		30/	27	28					SPARE
			1.9	/2	29	30					
SPARE				20/1	31	32					
					33	34					
					35	36					
SPACE					37	38					SPACE
					39	40					
					41	42					

KVA/PHASE 9.0 ØA 8.8 ØB 9.2 ØC
TOTAL = 27.0 KVA 75 AMPS

VOLTS ☑ 120/208, 3Ø, 4W VOLTS ☐ 480, 3Ø, 3W.
BUS ☐ 100A, ☑ 225A ☐ 400A MOUNTING ☑ RECESSED ☐ SURFACE
SHUNT-TRIP MAIN 125 A-3P AUTO. LUGS ONLY ☐
PANEL 2LPF AREA SERVED RM. 2209, 2238, 2239

DESCRIPTION	KVA			BKR	CKT	CKT	BKR	KVA			DESCRIPTION
	ØA	ØB	ØC					ØA	ØB	ØC	
RECEPT. - RM. 2209 - VP	1.2			20/1	1	2	20/1	.8			RECEPT. - RM. 2238
HOOD		1.2			3	4			.8		
			1.2		5	6	30/			1.9	- RM. 2209
	1.2				7	8	/2	1.9			
		1.2			9	10	30/		1.9		
RECEPT. - -VP			1.2		11	12	/2			1.9	
	1.2				13	14	20/1	1.2			
-STILL		1.0			15	16			1.2		
			.8		17	18				.8	
RM. 2239	.4				19	20		1.2			
- 2238, 2239		.6			21	22			1.2		
- 2209			.8		23	24				1.0	
SPARE					25	26					SPARE
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
SPACE					37	38					SPACE
					39	40					
					41	42					

KVA/PHASE 9.1 ØA 9.1 ØB 9.6 ØC
TOTAL = 27.8 KVA 78 AMPS

JEFFERIES AND FARIS
ASSOCIATES
ARCHITECTS ■ PLANN

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SCIENCE BUILDING

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON
CODE 49388 ITEM 301 ID#089280301A

SHEET TITLE:
LAB ELECTRICAL PANEL SCHEDULES

AS BUILT

Earl Walls Associates
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DRAWING REVISIONS:

NO.	DATE:	REMARKS:

DATE: 5/16/94
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DESIGNED BY: JSG
DRAWN BY: GRM
CHECKED BY: JSG
CHECKED BY:

SHEET NO.:
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