

NOTE:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

DIRECTORY	KVA LOAD			CIR. NO.	BRK. AMPS	A	B	C	CIR. NO.	BRK. AMPS	A	B	C	DIRECTORY				
	A	B	C												A	B	C	
	25.0			1	30				20	2	2.6			LTG-128,148-150,154-157,161,162, STAIR A				
LP1A, LP1B VIA 75KVA XFMR	25.0			3	100				20	4	2.0			LTG-CORRIDORS				
		25.0		5					20	6	2.8			LTG-140,141,144-146,151				
			2.1	7					20	8	3.3			LTG-127,130,131-138				
AIR COMPRESSOR (6 HP)		2.1		9	20				20	10	2.2			LTG-EXTERIOR-BLDG MOUNTED				
			2.1	11					20	12	4.2			TRACK LIGHTING				
SPACE				13					20	14	3.0			TRACK LIGHTING				
SPACE				15					20	16	1.3			LTG-EXTERIOR SITE (NORTH)				
SPACE				17					20	18	1.0			LTG-EXTERIOR SITE (SOUTH)				
SPACE				19					20	20	0.1			LIGHTING CONTROLLER				
SPACE				21					20	22				SPARE				
SPACE				23					20	24				SPARE				
SPACE				25					20	26				SPACE				
SPACE				27					20	28				SPACE				
SPACE				29					20	30				SPACE				
SUB-TOTAL	27.1	27.1	27.1								9.0	5.5	8.0	SUB-TOTAL				
VOLTAGE: 480Y/277V 3 PHASE 4 WIRE 400 AMP BUS TOTAL KVA A														36.1	PANEL NO.	HP1A		
MAIN LUGS ONLY														400 AMP LUGS	TOTAL KVA B	32.6	LOCATION	
MOUNTING: SURFACE														TOTAL KVA C	35.1		ELECTRICAL ROOM 148	
SC RATING: 35,000 AIC														TOTAL KVA	103.8			
NOTES: *																		

DIRECTORY	KVA LOAD			CIR. NO.	BRK. AMPS	A	B	C	CIR. NO.	BRK. AMPS	A	B	C	DIRECTORY				
	A	B	C												A	B	C	
	15.0			1	125				20	2	1.9			LTG-100-103,105,113-115				
LP1C VIA 45KVA XFMR	15.0			3					20	4	3.3			LOBBY LIGHTING				
		13.1		7					20	8	1.0			LTG-MEN'S, WOMEN'S, STAIR C				
HP2B	13.1			9	125				20	10	1.2			LOBBY TRACK LIGHTING				
			10.0	11					20	12				SPARE				
			14.3	13					20	14				SPARE				
HP3B	14.3			15	125				20	16				SPARE				
			9.4	17					20	18				SPARE				
ELEVATOR (25 HP)	9.4			19	80				20	20				SPARE				
			9.4	21					22	22				SPARE				
SPACE				23					24	24				SPARE				
SPACE				25					28	28				SPACE				
SPACE				27					28	28				SPACE				
SPACE				29					30	30				SPACE				
SUB-TOTAL	47.1	46.0	47.8								2.9	4.5	2.0	SUB-TOTAL				
VOLTAGE: 480Y/277V 3 PHASE 4 WIRE 400 AMP BUS TOTAL KVA A														50.0	PANEL NO.	HP1B		
MAIN LUGS ONLY														400 AMP LUGS	TOTAL KVA B	50.5	LOCATION	
MOUNTING: SURFACE														TOTAL KVA C	49.8		ELECTRICAL ROOM 103	
SC RATING: 25,000 AIC														TOTAL KVA	150.3			
NOTES: *																		

DIRECTORY	KVA LOAD			CIR. NO.	BRK. AMPS	A	B	C	CIR. NO.	BRK. AMPS	A	B	C	DIRECTORY				
	A	B	C												A	B	C	
	2.5			1	30				20	2	0.8			EP-3, CLIN-4				
GENERATOR COOLANT & LUBE OIL HEATERS	2.5			3					20	4	0.8			EP-2, EP-5				
FIRE ALARM CONTROL PANEL		1.0		5	20				20	6	0.8			WIREMOLD-TISSUE CULTURE RM. 144				
RECEPTS-148,154-156		1.0		7	20				20	8	0.8			WIREMOLD-TISSUE CULTURE RM. 144				
RECEPTS-HET WORKSHOP RM. 157		0.6		8	20				20	10	0.8			WIREMOLD-TISSUE CULTURE RM. 144				
RECEPTS CORR 131,137,153,159, MAG LOCK		1.2		11	20				20	12	0.8			WIREMOLD-TISSUE CULTURE RM. 144				
RECEPTS-147,149,150,152		0.8		13	20				20	14	0.8			WIREMOLD-TISSUE CULTURE RM. 144				
RECEPTS-USM COMMONS RM. 151		0.8		15	20				20	16	0.8			WIREMOLD-TISSUE CULTURE RM. 144				
RECEPTS-USM COMMONS RM. 151		0.8		17	20				20	18	1.4			WIREMOLD-TISSUE CULTURE RM. 144				
WIREMOLD-FLUORES MICROSCOPY RM. 146		0.8		19	20				20	20	1.4			WIREMOLD-TISSUE CULTURE RM. 144				
WIREMOLD-FLUORES MICROSCOPY RM. 146		0.8		21	20				22	22	1.1			WIREMOLD & FUME HOOD-TISSUE CULTURE				
WIREMOLD-METAL ANALYSIS RM. 140		0.8		23	20				24	24	0.8			WIREMOLD-DRY WORKSHOP RM. 161				
WIREMOLD-METAL ANALYSIS RM. 140		0.8		25	20				28	28	0.8			WIREMOLD-DRY WORKSHOP RM. 161				
WIREMOLD-MICRO PREP RM. 145		0.8		27	20				28	28	0.4			SHARED TANKS 126				
WIREMOLD-MICRO PREP RM. 145		0.8		29	20				30	30	1.2			NORTH END EXTERIOR RECEPTS				
WIREMOLD-MICRO PREP RM. 141		0.8		31	20				32	32	0.1			ELEV. SHANT TRIP CKT				
WIREMOLD-MICRO PREP RM. 141		0.8		33	20				34	34	0.7			EP-9				
SPACE				35	20				36	36				SPARE				
SPACE				37	20				38	38				SPACE				
SPACE				39	20				40	40				SPACE				
SPACE				41	20				42	42				SPACE				
SUB-TOTAL	5.5	5.2	4.6								4.5	4.6	5.0	SUB-TOTAL				
VOLTAGE: 208Y/120V 3 PHASE 4 WIRE 225 AMP BUS TOTAL KVA A														10.1	PANEL NO.	LP1A		
MAIN BREAKER:														225 AMP TRIP	TOTAL KVA B	9.8	LOCATION	
MOUNTING: SURFACE														TOTAL KVA C	9.6		ELECTRICAL ROOM 148	
SC RATING: 10,000														TOTAL KVA	29.5			
NOTES: PANELBOARD SHALL BE PROVIDED WITH THRU FEED LUGS																		

DIRECTORY	KVA LOAD			CIR. NO.	BRK. AMPS	A	B	C	CIR. NO.	BRK. AMPS	A	B	C	DIRECTORY				
	A	B	C												A	B	C	
	2.2			1	20				20	2	1.2			WIREMOLD-SHARED TANKS 127				
VACUUM PP-EQUIP RM. 134	2.2			3					20	4	1.2			WIREMOLD-FISH BEHAVIOR RM. 132				
		2.2		5	20				20	6				WIREMOLD-FISH BEHAVIOR RM. 132				
WIREMOLD-EQUIP RM. 134		2.2		7	20				20	8	0.8			WIREMOLD-FISH BEHAVIOR RM. 132				
WIREMOLD-EQUIP RM. 134		1.2		9	20				20	10	0.8			WIREMOLD-FISH BEHAVIOR RM. 132				
WIREMOLD-EQUIP RM. 134		0.8		11	20				20	12	1.1			WIREMOLD & FUME HOOD-FISH BEHAVIOR				
WIREMOLD-EQUIP RM. 134		0.8		13	20				20	14	2.2			WATER TUNNEL-USM LOCOMOTION (1)				
WIREMOLD-USM ANALYSIS RM. 135		1.2		15	20				20	16	1.0			WIREMOLD-USM LOCOMOTION RM. 130				
WIREMOLD-USM ANALYSIS RM. 135		1.2		17	20				20	18	1.0			WIREMOLD-USM LOCOMOTION RM. 130				
WIREMOLD-USM ANALYSIS RM. 135		1.2		19	20				20	20	0.8			WIREMOLD-USM LOCOMOTION RM. 130				
WIREMOLD-LAB TECH RM. 133		0.8		21	20				20	22				WIREMOLD-USM LOCOMOTION RM. 130				
WIREMOLD-LAB TECH RM. 133		0.8		23	20				20	24				SEAWATER CONTROL PANEL				
WIREMOLD-OCEANOGRAPHY RM. 136		0.8		25	20				20	26	0.4			RECEPTS - SHARED TANKS 126				
WIREMOLD-OCEANOGRAPHY RM. 136		1.2		27	20				20	28				SPACE				
WIREMOLD-OCEANOGRAPHY RM. 136		1.2		29	20				20	30				SPACE				
WIREMOLD-OCEANOGRAPHY RM. 136		0.8		31	20				20	32				SPACE				
WIREMOLD-OCEANOGRAPHY RM. 136		0.8		33	20				20	34				SPACE				
WIREMOLD & FUME HOOD-OCEANOGRAPHY		1.1		35	20				20	36				SPACE				
SPACE				37	20				20	38				SPACE				
SPACE				39	20				20	40				SPACE				
SPACE				41	20				20	42				SPACE				
SUB-TOTAL	7.0	7.0	6.3								5.4	4.1	5.1	SUB-TOTAL				
VOLTAGE: 208Y/120V 3 PHASE 4 WIRE 225 AMP BUS TOTAL KVA A														12.4	PANEL NO.	LP1B		
MAIN LUGS ONLY														225 AMP LUGS	TOTAL KVA B	11.1	LOCATION	
MOUNTING: SURFACE														TOTAL KVA C	11.4		ELECTRICAL ROOM 148	
SC RATING: 10,000														TOTAL KVA	34.9			
NOTES: (1) PROVIDE GFCI CIRCUIT BREAKER PANELBOARD SHALL BE PROVIDED WITH THRU FEED LUGS																		

DIRECTORY	KVA LOAD			CIR. NO.	BRK. AMPS	A	B	C	CIR. NO.	BRK. AMPS	A	B	C	DIRECTORY
	A	B	C											
	2.2			1	30				20	2	1.1			GSH - 1,2,3,5
TEL/DATA UPS	2.2			3					20	4	0.8			WATER COOLER & RECEPTS 106, 107
TEL/DATA UPS		2.2		5	20				20	6				HAND DRYER WOMEN'S
TEL/DATA RECEPTS		0.4		7	20				25	8	2.0			HAND DRYER WOMEN'S
RECEPTS - 100,103,105,112,113		1.0		9	20				25	10	2.0			HAND DRYER MEN'S
RECEPTS - LOBBY A		0.8		11	20				25	12	2.0			HAND DRYER MEN'S
RECEPTS - LOBBY B, RECEPTION		1.0		13	20				25	14	0.4			LIGHT & RECEIPT - ELEV. PIT
RECEPTS - MAILROOM		0.6		15	20				20	16	0.4			LIGHT & RECEIPT - ELEV. WASH. RM.
RECEPTS - SEAWATER RM. 115		0.6		17	20				20	18				ELEVATOR CAB LIGHTING
SOUTH END														