

RACK-01 - PDU							
		MIDDLE ATLANTIC	PD-2420SC-NS	PDU-01	MAX AMPS: 20AA	CONNECT 5-20P PLUG TO 5-20R RECEP OF CIRCUIT 1	
PLUG	MAKE	MODEL	SYS-ID	AMPS	WATTS	BTU	NOTES
1	5-20R	NETGEAR	M4300-8X8F	NSW-00	0.41A	49.0W	185.77 BTU/hr
2	5-20R	NETGEAR	M4300-52G-POE+ 550	NSW-01	5.08A	609.0W	2,079.13 BTU/hr
3	5-20R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-101	0.03A	3.4W	11.59 BTU/hr
4	5-20R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-102	0.03A	3.4W	11.59 BTU/hr
5	5-20R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-103	0.03A	3.4W	11.59 BTU/hr
6	5-20R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-104	0.03A	3.4W	11.59 BTU/hr
7	5-20R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-105	0.03A	3.4W	11.59 BTU/hr
8	5-20R	BARCO	NDN-215 PRO	VWP-101	2.25A	270.0W	920.7 BTU/hr
9	5-20R	BARCO	NDN-215 PRO	VWP-102	2.25A	270.0W	920.7 BTU/hr
10	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-03	0.4A	48.0W	163.68 BTU/hr
11	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-04	0.4A	48.0W	163.68 BTU/hr
12	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-05	0.4A	48.0W	163.68 BTU/hr
13	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-06	0.4A	48.0W	163.68 BTU/hr
14	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-07	0.4A	48.0W	163.68 BTU/hr
15	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-08	0.4A	48.0W	163.68 BTU/hr
16	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-09	0.4A	48.0W	163.68 BTU/hr
17	5-20R	ADDER	ALIF 4021	TX-KVM-01	0.17A	20.0W	68.2 BTU/hr
18	5-20R	ADDER	ALIF 4021	TX-KVM-02	0.17A	20.0W	68.2 BTU/hr
19	5-20R	ADDER	ALIF 4021	TX-KVM-03	0.17A	20.0W	68.2 BTU/hr
20	5-20R	ADDER	ALIF 4021	TX-KVM-04	0.17A	20.0W	68.2 BTU/hr
21	5-20R	ADDER	ALIF 4021	TX-KVM-05	0.17A	20.0W	68.2 BTU/hr
22	5-20R	ADDER	ALIF 4021	TX-KVM-06	0.17A	20.0W	68.2 BTU/hr
23	5-20R	ADDER	ALIF 4021	TX-KVM-07	0.17A	20.0W	68.2 BTU/hr
24	5-20R	HP	Z2/Z4 TOWER WORKSTATION	PC-07	5.83A	700.0W	2,387.0 BTU/hr
				TOTALS:	19.93A	2391.0W	8,174.43 BTU/hr
CIRCUIT: 1		20A / 5-20R		120V		TOTAL AMP LOAD:	19.93A
						CIRCUIT CAPACITY USED:	99.6%
						TOTAL HEAT OUTPUT:	8,174.43 BTU/hr

RACK-01 - PDU							
		MIDDLE ATLANTIC	PD-2420SC-NS	PDU-02	MAX AMPS: 20AA	CONNECT 5-20P PLUG TO 5-20R RECEP OF CIRCUIT 2	
PLUG	MAKE	MODEL	SYS-ID	AMPS	WATTS	BTU	NOTES
1	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-10	0.4A	48.0W	163.68 BTU/hr
2	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-11	0.4A	48.0W	163.68 BTU/hr
3	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-25	0.4A	48.0W	163.68 BTU/hr
4	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-26	0.4A	48.0W	163.68 BTU/hr
5	5-20R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-111	0.03A	3.4W	11.59 BTU/hr
6	5-20R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-112	0.03A	3.4W	11.59 BTU/hr
7	5-20R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-113	0.03A	3.4W	11.59 BTU/hr
8	5-20R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-114	0.03A	3.4W	11.59 BTU/hr
9	5-20R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-115	0.03A	3.4W	11.59 BTU/hr
10	5-20R	BARCO	NDN-215 PRO	VWP-111	2.25A	270.0W	920.7 BTU/hr
11	5-20R	BARCO	NDN-215 PRO	VWP-112	2.25A	270.0W	920.7 BTU/hr
12	5-20R	HP	Corp PC (Z2 Mini)	PC-25	1.67A	200.0W	682.0 BTU/hr
13	5-20R	ADDER	ALIF 4021	TX-KVM-12	0.17A	20.0W	68.2 BTU/hr
14	5-20R						OFE CORP PC 3
15	5-20R						*12 VDC POWER SUPPLY
16	5-20R						
17	5-20R						
18	5-20R						
19	5-20R						
20	5-20R						
21	5-20R						
22	5-20R						
23	5-20R	HP	Z2/Z4 TOWER WORKSTATION	PC-05	5.83A	700.0W	2,387.0 BTU/hr
24	5-20R	HP	Z2/Z4 TOWER WORKSTATION	PC-06	5.83A	700.0W	2,387.0 BTU/hr
				TOTALS:	19.74A	2369.0W	8,078.29 BTU/hr
CIRCUIT: 2		20A / 5-20R		120V		TOTAL AMP LOAD:	19.74A
						CIRCUIT CAPACITY USED:	98.7%
						TOTAL HEAT OUTPUT:	8,078.29 BTU/hr

RACK-01 - PDU							
		MIDDLE ATLANTIC	PDT-1020C-NS	PDU-03	MAX AMPS: 20AA	CONNECT 5-20P PLUG TO 5-20R RECEP OF CIRCUIT 3	
PLUG	MAKE	MODEL	SYS-ID	AMPS	WATTS	BTU	NOTES
1	5-20R	HP	Z2/Z4 TOWER WORKSTATION	PC-01	5.83A	700.0W	2,387.0 BTU/hr
2	5-20R	HP	Z2/Z4 TOWER WORKSTATION	PC-02	5.83A	700.0W	2,387.0 BTU/hr
3	5-20R	HP	Z2/Z4 TOWER WORKSTATION	PC-03	5.83A	700.0W	2,387.0 BTU/hr
4	5-20R	HP	Z2/Z4 TOWER WORKSTATION	PC-04	5.83A	700.0W	2,387.0 BTU/hr
5	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-16	0.4A	48.0W	163.68 BTU/hr
6	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-17	0.4A	48.0W	163.68 BTU/hr
7	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-18	0.4A	48.0W	163.68 BTU/hr
8	5-20R						
9	5-20R						
10	5-20R						
				TOTALS:	24.53A	2944.0W	10,039.04 BTU/hr
CIRCUIT: 3		20A / 5-20R		120V		TOTAL AMP LOAD:	24.53A
						CIRCUIT CAPACITY USED:	122.7%
						TOTAL HEAT OUTPUT:	10,039.04 BTU/hr

RACK-02 - PDU							
		MIDDLE ATLANTIC	PD-2420SC-NS	PDU-04	MAX AMPS: 20AA	CONNECT 5-20P PLUG TO 5-20R RECEP OF CIRCUIT 4	
PLUG	MAKE	MODEL	SYS-ID	AMPS	WATTS	BTU	NOTES
1	5-15R	NETGEAR	M4300-52G-POE+ 550	NSW-02	5.08A	609.0W	2,079.13 BTU/hr
2	5-15R	BARCO	R340-D1	SRVR-01	2.92A	350.0W	1,193.5 BTU/hr
3	5-15R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-201	0.03A	3.4W	11.59 BTU/hr
4	5-15R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-202	0.03A	3.4W	11.59 BTU/hr
5	5-15R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-203	0.03A	3.4W	11.59 BTU/hr
6	5-15R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-204	0.03A	3.4W	11.59 BTU/hr
7	5-15R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-205	0.03A	3.4W	11.59 BTU/hr
8	5-15R	BARCO	NDN-215 PRO	VWP-201	2.25A	270.0W	920.7 BTU/hr
9	5-15R	BARCO	NDN-215 PRO	VWP-202	2.25A	270.0W	920.7 BTU/hr
10	5-15R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-23	0.4A	48.0W	163.68 BTU/hr
11	5-15R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-24	0.4A	48.0W	163.68 BTU/hr
12	5-15R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-02	0.4A	48.0W	163.68 BTU/hr
13	5-15R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-22	0.4A	48.0W	163.68 BTU/hr
14	5-15R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-211	0.03A	3.4W	11.59 BTU/hr
15	5-15R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-212	0.03A	3.4W	11.59 BTU/hr
16	5-15R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-213	0.03A	3.4W	11.59 BTU/hr
17	5-15R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-214	0.03A	3.4W	11.59 BTU/hr
18	5-15R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-215	0.03A	3.4W	11.59 BTU/hr
19	5-15R	BARCO	NDN-215 PRO	VWP-211	2.25A	270.0W	920.7 BTU/hr
20	5-15R	BARCO	NDN-215 PRO	VWP-212	2.25A	270.0W	920.7 BTU/hr
21	5-15R	QSC	SPA2-60 (70V BRIDGED)	AMP-101	0.7A	84.0W	204.6 BTU/hr
22	5-15R	QSC	SPA2-60 (70V BRIDGED)	AMP-102	0.7A	84.0W	204.6 BTU/hr
23	5-15R	QSC	SPA2-60 (70V BRIDGED)	AMP-103	0.7A	84.0W	204.6 BTU/hr
24	5-15R	QSC	SPA2-60 (70V BRIDGED)	AMP-201	0.7A	84.0W	204.6 BTU/hr
				TOTALS:	21.68A	2601.0W	8,544.49 BTU/hr
CIRCUIT: 4		20A / 5-20R		120V		TOTAL AMP LOAD:	21.68A
						CIRCUIT CAPACITY USED:	108.4%
						TOTAL HEAT OUTPUT:	8,544.49 BTU/hr

RACK-02 - PDU							
		MIDDLE ATLANTIC	PD-2420SC-NS	PDU-05	MAX AMPS: 20AA	CONNECT 5-20P PLUG TO 5-20R RECEP OF CIRCUIT 5	
PLUG	MAKE	MODEL	SYS-ID	AMPS	WATTS	BTU	NOTES
1	5-20R	NETGEAR	M4300-52G-POE+ 550	NSW-02	5.08A	609.0W	2,079.13 BTU/hr
2	5-20R						
3	5-20R	BARCO	R340-D1	SRVR-02	2.92A	350.0W	1,193.5 BTU/hr
4	5-20R						
5	5-20R						
6	5-20R	ADDER	ALIF 4021	TX-KVM-08	0.17A	20.0W	68.2 BTU/hr
7	5-20R	ADDER	ALIF 4021	TX-KVM-09	0.17A	20.0W	68.2 BTU/hr
8	5-20R	ADDER	ALIF 4021	TX-KVM-10	0.17A	20.0W	68.2 BTU/hr
9	5-20R	ADDER	ALIF 4021	TX-KVM-11	0.17A	20.0W	68.2 BTU/hr
10	5-20R						
11	5-20R	RARITAN	MCD-LED17116	KVM-01	0.54A	65.0W	221.65 BTU/hr
12	5-20R	QSC	CORE 110f	DSP-01	0.5A	60.0W	205.0 BTU/hr
13	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-417	0.4A	48.0W	163.68 BTU/hr
14	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-418	0.4A	48.0W	163.68 BTU/hr
15	5-20R	INTEL	920-NM0E-041	NODE-401	1.92A	230.0W	784.3 BTU/hr
16	5-20R	INTEL	920-NM0E-041	NODE-402	1.92A	230.0W	784.3 BTU/hr
17	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-519	0.4A	48.0W	163.68 BTU/hr
18	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-520	0.4A	48.0W	163.68 BTU/hr
19	5-20R	INTEL	920-NM0E-041	NODE-503	1.92A	230.0W	784.3 BTU/hr
20	5-20R	INTEL	920-NM0E-041	NODE-504	1.92A	230.0W	784.3 BTU/hr
21	5-20R	SONY	UBP-X1100ES	BR-01	0.14A	17.0W	57.97 BTU/hr
22	5-20R	SONY	UBP-X1100ES	BR-02	0.14A	17.0W	57.97 BTU/hr
23	5-20R	SONY	UBP-X1100ES	BR-21	0.14A	17.0W	57.97 BTU/hr
24	5-20R	SONY	UBP-X1100ES	BR-22	0.14A	17.0W	57.97 BTU/hr
				TOTALS:	19.53A	2344.0W	7,995.88 BTU/hr
CIRCUIT: 5		20A / 5-20R		120V		TOTAL AMP LOAD:	19.53A
						CIRCUIT CAPACITY USED:	97.7%
						TOTAL HEAT OUTPUT:	7,995.88 BTU/hr

RACK-02 - PDU							
		MIDDLE ATLANTIC	PDT-1020C-NS	PDU-06	MAX AMPS: 20AA	CONNECT 5-20P PLUG TO 5-20R RECEP OF CIRCUIT 6	
PLUG	MAKE	MODEL	SYS-ID	AMPS	WATTS	BTU	NOTES
1	5-20R	HP	Corp PC (Z2 Mini)	PC-23	1.67A	200.0W	6

RACK-02 - PDU								
MIDDLE ATLANTIC		PDT-1020C-NS	PDU-07	MAX AMPS: 20AA	CONNECT 5-20P PLUG TO 5-20R RECEPT OF CIRCUIT 10			
PLUG	MAKE	MODEL	SYS-ID	AMPS	WATTS	BTU	NOTES	
1	5-20R	NETGEAR	M4300-52G-POE+ 550	NSW-06	5.08A	609.0W	2,079.13 BTU/hr	
2	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-12	0.4A	48.0W	163.68 BTU/hr	
3	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-13	0.4A	48.0W	163.68 BTU/hr	
4	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-14	0.4A	48.0W	163.68 BTU/hr	
5	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-15	0.4A	48.0W	163.68 BTU/hr	
6	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-27	0.4A	48.0W	163.68 BTU/hr	
7	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-28	0.4A	48.0W	163.68 BTU/hr	
8	5-20R							
9	5-20R							
10	5-20R							
TOTALS:				7.48A	897.0W	3,061.21 BTU/hr		
CIRCUIT: 10		20A / 5-20R		120V		TOTAL AMP LOAD:		7.48A
						CIRCUIT CAPACITY USED:		37.4%
						TOTAL HEAT OUTPUT:		3,061.21 BTU/hr

1 CONTROLLER ROOM 245 POWER AND HEAT CALCS (CONT.)

RACK-03 - PDU							
MIDDLE ATLANTIC		PD-2420SC-NS	PDU-01	MAX AMPS: 20AA	CONNECT 5-20P PLUG TO 5-20R RECEP OF CIRCUIT 7		
PLUG	MAKE	MODEL	SYS-ID	AMPS	WATTS	BTU	NOTES
1	5-20R	NETGEAR	M4300-52G-POE+ 550	NSW-04	5.08A	609.0W	2,079.13 BTU/hr
2	5-20R						
3	5-20R	ADDER	ALIF 4021	TX-KVM-18	0.17A	20.0W	68.2 BTU/hr
4	5-20R	ADDER	ALIF 4021	TX-KVM-19	0.17A	20.0W	68.2 BTU/hr
5	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-442	0.4A	48.0W	163.68 BTU/hr
6	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-511	0.4A	48.0W	163.68 BTU/hr
7	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-512	0.4A	48.0W	163.68 BTU/hr
8	5-20R	HP	Corp PC (Z2 Mini)	PC-442	1.67A	200.0W	682.0 BTU/hr
9	5-20R	HP	Corp PC (Z2 Mini)	PC-443	1.67A	200.0W	682.0 BTU/hr
10	5-20R	HP	Corp PC (Z2 Mini)	PC-511	1.67A	200.0W	682.0 BTU/hr
11	5-20R	HP	Corp PC (Z2 Mini)	PC-512	1.67A	200.0W	682.0 BTU/hr
12	5-20R	ADDER	ALIF 4021	TX-KVM-13	0.17A	20.0W	68.2 BTU/hr
13	5-20R	ADDER	ALIF 4021	TX-KVM-14	0.17A	20.0W	68.2 BTU/hr
14	5-20R	HP	Corp PC (Z2 Mini)	PC-513	1.67A	200.0W	682.0 BTU/hr
15	5-20R	HP	Corp PC (Z2 Mini)	PC-514	1.67A	200.0W	682.0 BTU/hr
16	5-20R						
17	5-20R						
18	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-514	0.4A	48.0W	163.68 BTU/hr
19	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-515	0.4A	48.0W	163.68 BTU/hr
20	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-516	0.4A	48.0W	163.68 BTU/hr
21	5-20R	ADDER	ALIF 4021	TX-KVM-15	0.17A	20.0W	68.2 BTU/hr
22	5-20R	ADDER	ALIF 4021	TX-KVM-16	0.17A	20.0W	68.2 BTU/hr
23	5-20R	ADDER	ALIF 4021	TX-KVM-17	0.17A	20.0W	68.2 BTU/hr
24	5-20R						
TOTALS:				18.64A	2237.0W	7,630.61 BTU/hr	

CIRCUIT: 7	20A / 5-20R	120V	TOTAL AMP LOAD:	18.64A
			CIRCUIT CAPACITY USED:	93.2%
			TOTAL HEAT OUTPUT:	7,630.61 BTU/hr

IDF 145 POWER AND HEAT CALCS

RACK-501 - PDU								
MIDDLE ATLANTIC		PD-920R	PDU-501	MAX AMPS: 20AA		CONNECT 5-20P PLUG TO 5-20R RECEPT OF CIRCUIT 8		
PLUG	MAKE	MODEL	SYS-ID	AMPS	WATTS	BTU	NOTES	
1	5-20R	NETGEAR	M4300-52G-POE+ 550	NSW-05	5.08A	609.0W	2,079.13 BTU/hr	
2	5-20R							
3	5-20R	CRESTRON	HD-SCALER-HD-E	SCALE-521	0.05A	5.5W	18.76 BTU/hr	*5 VDC POWER SUPPLY
4	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-521	0.4A	48.0W	163.68 BTU/hr	*12 VDC POWER SUPPLY
5	5-20R							
6	5-20R	BARCO	NDN-215 LITE	VWP-501	1.13A	135.0W	460.35 BTU/hr	
7	5-20R	BARCO	NDN-215 LITE	VWP-502	1.13A	135.0W	460.35 BTU/hr	
8	5-20R				5.83A	700.0W	2,387.0 BTU/hr	
9	5-20R							FRONT OUTLET
				TOTALS:	13.6A	1632.5W	5,569.27 BTU/hr	

CIRCUIT: 8	20A / 5-20R	120V	TOTAL AMP LOAD:	13.6A
			CIRCUIT CAPACITY USED:	68.0%
			TOTAL HEAT OUTPUT:	5,569.27 BTU/hr

5 / SCC 119 POWER AND HEAT CALCS

RACK-401 - PDU								
		MIDDLE ATLANTIC	PD-920R	PDU-401	MAX AMPS: 20AA	CONNECT 5-20P PLUG TO 5-20R RECEPT OF CIRCUIT 9		
PLUG	MAKE	MODEL	SYS-ID	AMPS	WATTS	BTU	NOTES	
1	5-20R							
2	5-20R	CRESTRON	HD-SCALER-HD-E	SCALE-441	0.05A	5.5W	18.76 BTU/hr	*5 VDC POWER SUPPLY
3	5-20R	HP	Corp PC (Z2 Mini)	PC-441	1.67A	200.0W	682.0 BTU/hr	SOC KORBYT PC
4	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-441	0.4A	48.0W	163.68 BTU/hr	*12 VDC POWER SUPPLY
5	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-443	0.4A	48.0W	163.68 BTU/hr	*12 VDC POWER SUPPLY
6	5-20R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-444	0.4A	48.0W	163.68 BTU/hr	*12 VDC POWER SUPPLY
7	5-20R	BARCO	NDN-215 LITE	VWP-401	1.13A	135.0W	460.35 BTU/hr	
8	5-20R	BARCO	NDN-215 LITE	VWP-402	1.13A	135.0W	460.35 BTU/hr	
9	5-20R							FRONT OUTLET
				TOTALS:	5.16A	619.5W	2,112.5 BTU/hr	

CIRCUIT: 9	20A / 5-20R	120V	TOTAL AMP LOAD:	5.16A
			CIRCUIT CAPACITY USED:	25.8%
			TOTAL HEAT OUTPUT:	2,112.5 BTU/hr

SOC 118 POWER AND HEAT CALCS



955 E. Javelina Avenue
Mesa, Arizona 85204
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DPR CONSTRUCTION

CLIENT:

IRVINGTON FACILITIES PHASE II

PROJECT NAME:

4350 IRVINGTON RD
TUCSON, AZ
85706

SITE ADDRESS:

[illegible]

ISSUED FOR:

PROJECT NO.: 5300

SCALE: NTS

DRAWN BY: M. SHERWOOD

APPROVED BY: A. EVANS

BUILDING

FLOOR

ROOM:

POWER CALCS & HEAT DISSIPATION - SCC & SOC

SHEET TITLE

TA704

SHEET NUMBER:

RACK-301 - PDU								
		MIDDLE ATLANTIC	PD-915R	PDU-01	MAX AMPS: 15A	CONNECT 5-15P PLUG TO 5-20R RECEP OF CIRCUIT 10		
PLUG		MAKE	MODEL	SYS-ID	AMPS	WATTS	BTU	NOTES
1	5-15R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-301	0.03A	3.4W	11.59 BTU/hr	*12 VDC POWER SUPPLY
2	5-15R	EXTRON	DTP HDMI 4K 230 TX/RX	TX-DTP-302	0.03A	3.4W	11.59 BTU/hr	*12 VDC POWER SUPPLY
3	5-15R	BARCO	CX-30	WPG-301	0.2A	24.0W	81.84 BTU/hr	
4	5-15R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-302	0.4A	48.0W	163.68 BTU/hr	*12 VDC POWER SUPPLY
5	5-15R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-305	0.4A	48.0W	163.68 BTU/hr	*12 VDC POWER SUPPLY
6	5-15R	BARCO	NDN-215 PRO	VWP-301	2.25A	270.0W	920.7 BTU/hr	
7	5-15R	QSC	SPA2-60 (70V BRIDGED)	AMP-301	0.7A	84.0W	60.0 BTU/hr	
8	5-15R	HP	Z2/Z4 TOWER WORKSTATION	PC-303	5.83A	700.0W	2,387.0 BTU/hr	
9	5-15R							
TOTALS:					9.84A	1180.8W	3,800.09 BTU/hr	

CIRCUIT: 10	20A / 5-20R	120V	TOTAL AMP LOAD:	9.84A
			CIRCUIT CAPACITY USED:	65.6%
			TOTAL HEAT OUTPUT:	3,800.09 BTU/hr

OVERVIEW 230 POWER AND HEAT CALCS

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RACK-302 - PDU							
MIDDLE ATLANTIC		PD-915R	PDU-01	MAX AMPS: 15A	CONNECT 5-15P PLUG TO 5-20R RECEPT OF CIRCUIT 11		
PLUG	MAKE	MODEL	SYS-ID	AMPS	WATTS	BTU	NOTES
1	5-15R	HP	Corp PC (Z2 Mini)	PC-302	1.67A	200.0W	682.0 BTU/hr
2	5-15R	HP	Corp PC (Z2 Mini)	PC-304	1.67A	200.0W	682.0 BTU/hr
3	5-15R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-303	0.4A	48.0W	163.68 BTU/hr
4	5-15R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-306	0.4A	48.0W	163.68 BTU/hr
5	5-15R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-301	0.4A	48.0W	163.68 BTU/hr
6	5-15R	BARCO	NGS-D320 FLEX or FLEX PRO	ENC-304	0.4A	48.0W	163.68 BTU/hr
7	5-15R	L3AV	POWER STRIP	TX-KVM-30	0.68A	80.0W	272.8 BTU/hr
8	5-15R	HP	Z2/Z4 TOWER WORKSTATION	PC-301	5.83A	700.0W	2,387.0 BTU/hr
9	5-15R						
TOTALS:				11.45A	1372.0W	4,678.52 BTU/hr	

CIRCUIT: 11	20A / 5-20R	120V	TOTAL AMP LOAD:	11.45A
			CIRCUIT CAPACITY USED:	76.3%
			TOTAL HEAT OUTPUT:	4,678.52 BTU/hr

OVERVIEW 230 POWER AND HEAT CALCS

NTS



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DPR CONSTRUCTION

CLIENT:

IRVINGTON FACILITIES PHASE II

PROJECT NAME:

4350 IRVINGTON RD
TUCSON, AZ
85706

SITE ADDRESS:

[illegible]

ISSUED FOR:

PROJECT NO.: 5300

SCALE: NTS

DRAWN BY: M. SHERWOOD

APPROVED BY: A. EVANS

BUILDING

FLOOR:

ROOM:

POWER CALCS & HEAT DISSIPATION - OVERVIEW 230

SHEET TITLE

TA705

SHEET NUMBER: