

PROJECT: SUNY PURCHASE COLLEGE -LIBRARY BUILDING										PANEL VOLTAGE: 120/208V				AIC RATING: 10K						
PANEL: LS-4 SEC.II (E)										PHASE & WIRE: 3PH, 4W				MOUNTING: SURFACE						
LOCATION MEN'S ELEC. CLOSET 1009										BUS/MAIN (AMPS): 100A MLO				NEMA TYPE: 1						
CKT	NO.	A	P	DESCRIPTION	LOAD (KVA)				3PH SEQUENCE				LOAD (KVA)				CKT			
					MISC	HWH	HVAC	REC	LTO	A	B	C	MISC	HWH	HVAC	REC	LTO			
43	20	1		REC - LOBBY 1007(N)				0.5	1.1				0.6				EXISTING LOAD	20	1	44
45	20	1		REC - RM 1008,1009,1009(N)				0.7		1.9			1.2				EXISTING LOAD	20	1	46
47	20	1		REC - EWCGR(N)				0.4				1.6	1.2				EXISTING LOAD	20	1	48
49	20	1		JBOX - HAND DRYER RM 1009(N)	1.0				2.2				1.2				EXISTING LOAD	20	1	50
51	20	1		JBOX - HAND DRYER RM 1009(N)	1.0					1.6				0.6			EXISTING LOAD	20	1	52
53	20	1		JBOX - HAND DRYER RM 1009(N)	1.0							2.2			1.2		EXISTING LOAD	20	1	54
55	20	1		JBOX - HAND DRYER RM 1008(N)	1.0					1.6			0.6				EXISTING LOAD	20	1	56
57	20	1		JBOX - HAND DRYER RM 1008(N)	1.0						2.2		1.2				EXISTING LOAD	20	1	58
59				BUSSED SPACE									0.8	0.8			EXISTING LOAD	20	1	60
61				BUSSED SPACE						0.9				0.9			EXISTING LOAD	20	1	62
63				BUSSED SPACE							1.2				1.2		EXISTING LOAD	20	1	64
65				BUSSED SPACE								0.8		0.8			EXISTING LOAD	20	1	66
67				BUSSED SPACE						0.6					0.6		EXISTING LOAD	20	1	68
69				BUSSED SPACE							1.2			1.2			EXISTING LOAD	20	1	70
71				BUSSED SPACE								0.6			0.6		EXISTING LOAD	20	1	72
73	50	3		EXISTING LOAD	0.8				2.0				1.2				EXISTING LOAD	20	1	74
75	/	/		/	0.8						2.0		1.2				EXISTING LOAD	20	1	76
77	/	/		/	0.8							1.4		0.6			EXISTING LOAD	20	1	78
79	90	3		EXISTING LOAD	0.5				1.7				1.2				EXISTING LOAD	20	1	80
81	/	/		/	0.5					1.3			0.8				EXISTING LOAD	20	1	82
83	/	/		/	0.5							0.5					BUSSED SPACE			84
CONNECTED LOAD (KVA)					8.9	0.0	0.0	1.7	0.0	10.1	11.4	7.9	9.7	0.0	0.0	7.4	1.8			
25% OF LARGEST MOTOR (KVA)																				
TOTAL CONNECTED LOAD (KVA)					18.8	0.0	0.0	9.1	1.8											
DEMAND FACTOR					1.0	1.25	1.0	X	1.25	TOTAL DEMAND (KVA) 30										
TOTAL DEMAND LOAD (KVA)					18.8	0.0	0.0	9.1	2.3	LINE CURRENT (AMPS) 83										
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)										HWH - HOT WATER HEATER										
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION										2 PROVIDE NEW CIRCUIT BREAKER										

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LOCATION MEN'S ELEC. CLOSET 1009										BUS/MAIN (AMPS): 200A MCB				NEMA TYPE: 1									
CKT	NO.	OD	A	P	DESCRIPTION	LOAD (KVA)				3 PH SEQUENCE				LOAD (KVA)				CKT					
						MISC	HWH	HVAC	REC	LTO	A	B	C	MISC	HWH	HVAC	REC	LTO					
	1	20	1		CIRCULATION DESK (E)	0.6					1.4			0.8					20	1	NO.		
	3	20	1		CIRCULATION DESK (E)	0.6						1.2		0.6					20	1			
	5	20	1		CIRCULATION DESK (E)	1.2							2.4	1.2					20	1	6		
	7	20	1		CIRCULATION DESK (E)	1.2					2.0			0.8					20	1	8		
	9	20	1		WALL WASH S. WALL (E)	0.8						1.0			0.2				20	1	10		
	11	20	1		WALL WASH S. WALL (E)	1.2							1.7		0.5				20	1	12		
	13	20	1		WALL WASH S. WALL (E)	0.8					1.6			0.8					20	1	14		
	15	20	1		PLUG STAFF ROOM 11-15 (E)	1.2						2.4		1.2					20	1	16		
	17	20	1		CATALOG AREA (HAND DRYER) (E)	0.6							1.8	1.2					20	1	18		
	19	20	1		EXISTING LOAD	0.6					1.5			0.9					15	1	20		
	21	20	1		RANGE KITCHEN (E)	1.0						1.6			0.6				20	1	22		
	23	20	1		EXISTING LOAD				0.5				0.9		0.4				20	1	24		
	25	20	1		EXISTING LOAD	0.6					1.8				1.2				20	1	26		
	27	20	1		EXISTING LOAD	1.2						2.0			0.8				20	1	28		
	29	20	1		EXISTING LOAD	0.6							1.8		1.2				20	1	30		
	31	20	1		EXISTING LOAD	0.6					1.4				0.8				20	1	32		
	33	20	1		EXISTING LOAD	0.6						1.8			1.2				20	1	34		
	35	20	1		EXISTING LOAD	1.2							2.0		0.8				20	1	36		
	37	20	1		EXISTING LOAD	0.6					1.8			1.2					20	1	38		
	39	20	1		EXISTING LOAD	0.5							1.3	0.8					20	1	40		
	41	20	1		EXISTING LOAD	0.8							2.0	1.2					20	1	42		
					BUSSED SPACE																		
CONNECTED LOAD (KVA)						11.1	0.0	0.0	5.9	0.0	11.5	11.3	12.6	10.7	0.0	0.0	7.0	0.7					
TOTAL CONNECTED LOAD (SECTION 1)						21.8	0.0	0.0	12.9	0.7													
TOTAL CONNECTED LOAD (SECTION 2)						18.6	0.0	0.0	9.1	1.8													
25% OF LARGEST MOTOR (KVA)																							
TOTAL CONNECTED LOAD (KVA)						40.4	0.0	0.0	22.0	2.5													
DEMAND FACTOR						1.0	1.25	1.0	X	1.25											TOTAL DEMAND (KVA)		60
TOTAL DEMAND LOAD (KVA)						40.4	0.0	0.0	18.0	3.1											LINE CURRENT (AMPS)		165
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)										HWH - HOT WATER HEATER													
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION										2 PROVIDE NEW CIRCUIT BREAKER													

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LOCATION MEN'S ELEC. ROOM 1009										BUS/MAIN (AMPS): 100A MCB				NEMA TYPE: 1			
CKT	NO.	A	P	DESCRIPTION	LOAD (KVA)				3PH SEQUENCE				LOAD (KVA)				CKT
					MISC	HWH	HVAC	REC	LTO	A	B	C	MISC	HWH	HVAC	REC	LTO
1	20	1		LTO - DUPLICATION AND SEC. CEILING (E)						1.2	2.4						
3	20	1		LTO - STAFF RANGE CEILING (E)						1.2		2.4					
5	20	1		LTO - CORRIDOR CEILING (E)						1.2			2.4	1.2			
7	20	1		EXISTING LOAD							2.4		1.2				
9	20	1		CONFERENCE AND DIRECTOR CEILING (E)	1.2							2.4	1.2				
11	20	1		EXISTING LOAD	1.2								2.4	1.2			
CONNECTED LOAD (KVA)					3.8	0.0	0.0	0.0	3.8	4.8	4.8	4.8	0.0	0.0	0.0	2.4	
25% OF LARGEST MOTOR (KVA)																	
TOTAL CONNECTED LOAD (KVA)					8.4	0.0	0.0	0.0	8.0								
DEMAND FACTOR					1.0	1.25	1.0	X	1.25					TOTAL DEMAND (KVA) 16			
TOTAL DEMAND LOAD (KVA)					8.4	0.0	0.0	0.0	7.5					LINE CURRENT (AMPS) 44			
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)										HWH - HOT WATER HEATER							
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION										2 PROVIDE NEW CIRCUIT BREAKER							

RESTROOM RENOVATION PURCHASE COLLEGE

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PHASE 2:

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