

PROJECT: SUNY PURCHASE COLLEGE -MUSIC INSTRUCTIONAL FAC PANEL VOLTAGE:													480/277V			A/C RATING:			14K							
PANEL: HBS (E)													PHASE & WIRE:			3PH, 4W			MOUNTING:			SURFACE				
LOCATION MUSIC ELEC. ROOM													BUSMAIN (AMPS):			100A MCB			NEMA TYPE:			1				
CKT	NO.	OD	P	DESCRIPTION					LOAD (KVA)					3PH SEQUENCE					LOAD (KVA)					CD	P	CKT
	1	20	1	EXISTING LOAD																						
	3	20	1	EXISTING LOAD																						
	5	20	1	EXISTING LOAD																						
	7	20	1	LTG-RM 87, 88, 89 (E)																						
	9	20	1	LTG-RM 85, 86 (E)																						
	11	20	1	LTG-VEST 81A (E)																						
	13	20	1	LTG-RM 893, 94, 95, 96, 97, 98 (E)																						
	15	20	1	LTG-RM 890, 91, 92, 99, 100, 101 (E)																						
	17	20	1	LTG-RM 872, 73, 74, 75, 76, 77 (E)																						
	19	20	1	LTG-RM 8102, 103, 104, 105 (E)																						
	21	20	1	EXISTING LOAD																						
	23	20	1	EXISTING LOAD																						
	25	20	1	EXISTING LOAD																						
CONNECTED LOAD (KVA)								6.6	0.0	0.0	0.0	15.0	19.0	15.6	15.6	13.2	0.0	0.0	0.0	15.4						
25% OF LARGEST MOTOR (KVA)																										
TOTAL CONNECTED LOAD (KVA)								19.8	0.0	0.0	0.0	30.4														
DEMAND FACTOR								1.0	1.25	1.0	X	1.25														
TOTAL DEMAND LOAD (KVA)								19.8	0.0	0.0	0.0	38.0														
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)																										
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION															2 PROVIDE NEW CIRCUIT BREAKER											
																							LINE CURRENT (AMPS)		58	
																							TOTAL CURRENT (AMPS)		70	

PROJECT: SUNY PURCHASE COLLEGE -MUSIC INSTRUCTIONAL FAC PANEL VOLTAGE:															120/208V					A/C RATING:					10K									
PANEL: LBS SEC.II (E)															PHASE & WIRE:					3PH, 4W					MOUNTING:					SURFACE				
LOCATION MUSIC ELEC. ROOM															BUSMAIN (AMPS):					100A MLO					NEMA TYPE:					1				
CKT	OCD	DESCRIPTION				LOAD (KVA)				3PH SEQUENCE				LOAD (KVA)				DESCRIPTION				OCD												
						MISC	HHW	HVAC	REC	LTO	A	B	C	MISC	HHW	HVAC	REC					LTO	A	P	NO.									
37	20	1	EXISTING LOAD						0.3					0.7			0.4					EXISTING LOAD	20	1	38									
39	20	1	EXISTING LOAD						0.3						0.7		0.4					EXISTING LOAD	20	1	40									
41	20	1	EXISTING LOAD						0.4							0.8	0.4					EXISTING LOAD	20	1	42									
43	20	1	EXISTING LOAD							0.5		0.9					0.4					EXISTING LOAD	20	1	44									
45	20	1	EXISTING LOAD							0.5			0.9						0.4			EXISTING LOAD	20	1	46									
47	20	1	EXISTING LOAD								0.4					0.8				0.4		EXISTING LOAD	20	1	48									
49	20	1	EXISTING LOAD						0.4					0.8			0.4					EXISTING LOAD	20	1	50									
51	20	1	EXISTING LOAD						0.4						0.8			0.4				EXISTING LOAD	20	1	52									
53	20	1	EXISTING LOAD						0.4							0.8	0.4					EXISTING LOAD	20	1	54									
55	20	1	EXISTING LOAD						0.4						0.8		0.4					EXISTING LOAD	20	1	56									
57	20	1	EXISTING LOAD						0.4							0.4						EXISTING LOAD	20	1	58									
59	20	1	EXISTING LOAD						0.4													BUSSED SPACE												
61	20	1	EXISTING LOAD						0.4							0.8			0.4			EXISTING LOAD	20	1	60									
63	20	1	EXISTING LOAD							0.3					1.4		1.0					JBOX - HAND DRYER 0004A(N)	2	20	1	62								
65	20	1	LTG-0004A,0004,0004B(N)												0.7				0.4			EXISTING LOAD	20	1	64									
67	20	1	REC - RM. 0004B,0004,0004A & 0002D(N)								1.1		1.1				2.2	1.0				JBOX - HAND DRYER 0004A(N)	2	20	1	66								
69	20	1	REC - EWC(GF(N)								0.4			0.4								MAIN	100	3	68									
71	20	1	JBOX - HAND DRYER 0004A(N)						1.0							1.0						/	/	/	70									
CONNECTED LOAD (KVA)								4.8	0.0	0.0	3.2	1.2	5.7	3.9	6.4	5.2	0.0	0.0	0.8	0.8														
25% OF LARGEST MOTOR (KVA)																																		
TOTAL CONNECTED LOAD (KVA)								10.0	0.0	0.0	4.0	2.0																						
DEMAND FACTOR								1.0	1.25	1.0	X	1.25											TOTAL DEMAND (KVA)					16						
TOTAL DEMAND LOAD (KVA)								10.0	0.0	0.0	4.0	2.5											LINE CURRENT (AMPS)					48						
																							WHW - HOT WATER HEATER											
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION															2 PROVIDE NEW CIRCUIT BREAKER																			

PROJECT: SUNY PURCHASE COLLEGE -MUSIC INSTRUCTIONAL FAC PANEL VOLTAGE:														120/208V				A/C RATING:				10K								
PANEL: LBS SEC.I (E)														PHASE & WIRE:				3PH, 4W				MOUNTING:				SURFACE				
LOCATION MUSIC ELEC. CONTROL ROOM - 0049														BUSMAIN (AMPS):				100A MLO				NEMA TYPE:				1				
CKT	NO	ODD	DESCRIPTION					LOAD (KVA)					3 PH SEQUENCE					LOAD (KVA)					ODD	CKT						
	A	P						MISC	HHW	HVAC	REC	LTO	A	B	C	MISC	HHW	HVAC	REC	LTO	DESCRIPTION					A	P	NO		
1	20	1	EXISTING LOAD					0.6						1.1								EXISTING LOAD					20	1	2	
3	20	1	EXISTING LOAD					0.5							1.1		0.6					EXISTING LOAD					20	1	4	
5	20	1	EXISTING LOAD					0.6								1.1	0.5					EXISTING LOAD					20	1	6	
7	20	1	REC-FILM (E)								0.5			0.8			0.3					EXISTING LOAD					20	1	8	
9	20	1	EXISTING LOAD					0.6							1.0						0.4	EXISTING LOAD					20	1	10	
11	20	1	REC-FILM (E)								0.6					1.1				0.5	EXISTING LOAD					20	1	12		
13	20	1	EXISTING LOAD					0.4						0.8			0.4					EXISTING LOAD					20	1	14	
15	20	1	EXISTING LOAD					0.4							0.8		0.4					EXISTING LOAD					20	1	16	
17	20	1	EXISTING LOAD					0.4								0.8	0.4					EXISTING LOAD					20	1	18	
19	20	1	EXISTING LOAD					0.4						0.9			0.5					EXISTING LOAD					20	1	20	
21	20	1	EXISTING LOAD					0.4								0.8				0.4		EXISTING LOAD					20	1	22	
23	20	1	EXISTING LOAD								0.6					1.1				0.5		EXISTING LOAD					20	1	24	
25	20	1	EXISTING LOAD								0.5		1.5				1.0					JBXX - HAND DRYER 0004B (N)					2	20	1	26
27	20	1	EXISTING LOAD								0.6				1.0		0.4					EXISTING LOAD					20	1	28	
29	20	1	EXISTING LOAD								0.5					1.5	1.0					JBXX - HAND DRYER 0004(N)					2	20	1	30
31	20	1	EXISTING LOAD								0.6		0.6									MAIN (E)					100	3	32	
33	20	1	REC-BATHROOM HAND DRYER (E)					0.8							0.8							/					/	/	34	
35	20	1	REC-BATHROOM HAND DRYER (E)					0.8								0.8						/					/	/	36	
CONNECTED LOAD (KVA)							5.9	0.0	0.0	3.9	0.0	5.7	5.5	6.4	8.0	0.0	0.0	0.9	0.9											
TOTAL CONNECTED LOAD (SECTION 1)							11.9	0.0	0.0	4.8	0.0																			
TOTAL CONNECTED LOAD (SECTION 2)							10.0	0.0	0.0	4.0	2.0																			
25% OF LARGEST MOTOR (KVA)																														
TOTAL CONNECTED LOAD (KVA)							21.9	0.0	0.0	8.8	2.9																			
DEMAND FACTOR							1.0	1.25	1.0	X	1.25																			
TOTAL DEMAND LOAD (KVA)							21.9	0.0	0.0	8.8	3.6																			
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)																														
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION												2 PROVIDE NEW CIRCUIT BREAKER																		
HWH - HOT WATER HEATER																														