

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										BUSMAIN (AMPS): 100A MLO				NEMA TYPE: 1									
CKT NO.	OC	A	P	DESCRIPTION	LOAD (KVA)				3PH SEQUENCE				LOAD (KVA)				OC	P	NO.				
					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			20	1	44	
45	20	1		REC - RM 1008,1009,1009(N)						0.7			1.9				1.2			20	1	46	
47	20	1		REC - EWCGR(M)						0.4				1.6			1.2			20	1	48	
49	20	1		JBOX - HAND DRYER RM.1009(N)	1.0								2.2				1.2			20	1	50	
51	20	1		JBOX - HAND DRYER RM.1009(N)	1.0								1.6				0.6			20	1	52	
53	20	1		JBOX - HAND DRYER RM.1009(N)	1.0								2.2				1.2			20	1	54	
55	20	1		JBOX - HAND DRYER RM.1009(N)	1.0								1.6			0.6			20	1	56		
57	20	1		JBOX - HAND DRYER RM.1008(N)	1.0								2.2				1.2			20	1	58	
59				BUSSED SPACE																20	1	60	
61				BUSSED SPACE									0.9			0.9				20	1	62	
63				BUSSED SPACE									1.2				1.2			20	1	64	
65				BUSSED SPACE									0.8			0.8				20	1	66	
67				BUSSED SPACE									0.6			0.6				20	1	68	
69				BUSSED SPACE									1.2				1.2			20	1	70	
71				BUSSED SPACE									0.6			0.6				20	1	72	
73	50	3		EXISTING LOAD	0.8								2.0				1.2			20	1	74	
75	/	/	/	/	0.8								2.0				1.2			20	1	76	
77	/	/	/	/	0.8								1.4			0.6				20	1	78	
79	90	3		EXISTING LOAD	0.5								1.7			1.2				20	1	80	
81	/	/	/	/	0.5								1.3			0.8				20	1	82	
83	/	/	/	/	0.5								0.5							20	1	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											30			
DEMAND FACTOR					1.0	1.25	1.0	X	1.25											83			
TOTAL DEMAND LOAD (KVA)					18.8	0.0	0.0	9.1	2.3											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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PANEL: LS-4 SEC.I (E)										PHASE & WIRE: 3PH, 4W				MOUNTING: SURFACE									
LOCATION MEN'S ELEC. CLOSET 1009										BUSMAIN (AMPS): 200A MCB				NEMA TYPE: 1									
CKT NO.	OC	A	P	DESCRIPTION	LOAD (KVA)				3PH SEQUENCE				LOAD (KVA)				OC	P	NO.				
					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	2	
3	20	1		CIRCULATION DESK (E)	0.6							1.2		0.6						20	1	4	
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)					18.8	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												60		
TOTAL DEMAND LOAD (KVA)					40.4	0.0	0.0	18.0	3.1												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								

PROJECT: SUNY PURCHASE COLLEGE -LIBRARY BUILDING										PANEL VOLTAGE: 120/208V				AIC RATING: 10K											
PANEL: HS-4 (E)										PHASE & WIRE: 3PH, 4W				MOUNTING: SURFACE											
LOCATION MEN'S ELEC. ROOM 1009										BUSMAIN (AMPS): 100A MCB				NEMA TYPE: 1											
CKT NO.	OC	A	P	DESCRIPTION	LOAD (KVA)				3PH SEQUENCE				LOAD (KVA)				OC	P	NO.						
					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						1.2			LTO - STAFF RANGE CEILING (E)	20	1	2		
3	20	1		LTO - STAFF RANGE CEILING (E)						1.2		2.4						1.2			LTO - 100A MCB 1009	1	20	1	4
5	20	1		LTO - CORRIDOR CEILING (E)									2.4		1.2						EXISTING LOAD	20	1	6	
7	20	1		EXISTING LOAD									2.4		1.2						SUB FEED TO HS-4A (E)	60	3	8	
9	20	1		CONFERENCE AND DIRECTOR CEILING (E)	1.2								2.4		1.2						/	/	7	10	
11	20	1		EXISTING LOAD	1.2								2.4		1.2						/	/	7	12	
CONNECTED LOAD (KVA)					3.6	0.0	0.0	0.0	3.6	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												16				
TOTAL DEMAND LOAD (KVA)					8.4	0.0	0.0	0.0	7.5												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: MUSIC BUILDING DANCE BUILDING PHYS. ED. BUILDING LIBRARY

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Rev	Date	Issue
	05 May 2022	Issue for Bid

Title ELECTRICAL SCHEDULES

Date: 01-16-2020
Project No.: 1944
Drawing By:
CHK By:
Scale: AS NOTED

DOB Rev
E-604.00

KEY PANELS		
LS-4 SEC.II (E)	LS-4 SEC.I (E)	HS-4 (E)
ES (E)		

- ### GENERAL NOTES
- TURN ALL SPARE CIRCUIT BREAKERS TO "OFF" POSITION AT COMPLETION OF WORK.
 - AT COMPLETION OF PROJECT, PROVIDE TYPE WRITTEN SCHEDULES FOR ALL PANEL BOARDS UTILIZED DURING THE CONSTRUCTION PROCESS INDICATING AS-BUILT CONDITIONS.
 - PROVIDE RED COLOR LOCKABLE TYPE BREAKERS FOR CIRCUITS SERVING LIFE SAFETY PANEL BOARDS.
 - ALL UNGROUNDED AND GROUNDED CONDUCTORS OF EACH MULTI-WIRE BRACH CIRCUIT ARE TO BE GROUPED BY WIRE TIES OR SIMILAR MEANS AT LEAST ONE LOCATION EITHER WITHIN THE PANEL BOARD OR AT THE OTHER POINT OF ORIGINATION.
 - ALL REUSED CIRCUIT NUMBERS INDICATED ON PLAN ARE BASED ON EXISTING DOCUMENTS AND MAY NOT MATCH THE ACTUAL AS-BUILT CONDITION OF THE EXISTING CIRCUITS SERVING THE AREA. CONTRACTOR TO VERIFY THE EXACT CIRCUIT NUMBERS DURING CONSTRUCTION.
 - ALL NEW CIRCUIT BREAKERS WHERE PROVIDED MUST BE COMPATIBLE WITH THE EXISTING PANEL BOARD AND SHALL MATCH THE EXISTING UL LISTING, MANUFACTURER MAKE AND AIC RATING.