

PROJECT: SUNY PURCHASE COLLEGE -PHYSICAL EDUCATION										PANEL VOLTAGE:				120/208V				AIC RATING:						
PANEL: A(N)										PHASE & WIRE:				3PH, 3W				MOUNTING:						
LOCATION: ELECTRICAL CLOSET										BUSMAIN (AMPS):				100A MLO				NEMA TYPE:						
CKT		LOAD (KVA)		1 PH SEQUENCE				LOAD (KVA)																
NO.	A	P	DESCRIPTION	MISC	HHW	HVAC	REC	LTO	A	B	MISC	HHW	HVAC	REC	LTO	DESCRIPTION	OCD	A	P	CKT NO.				
1	20	1	LTG - RM 2012,2013,2012A,2013A				0.6	1.7						1.1		REC - RM 2012,2013,2012A,2013A	20	1	2					
3	20	1	REC - EXWGEF12017				0.4			1.4	1.0					JBOX - HAND DRYER RM 2012A	20	1	4					
5	20	1	JBOX - HAND DRYER RM 2013	1.0					2.0		1.0					JBOX - HAND DRYER RM 2013	20	1	6					
7	20	1	JBOX - HAND DRYER RM 2012	1.0						2.0	1.0					JBOX - HAND DRYER RM 2012A	20	1	8					
9			BUSSED SPACE						0.0							BUSSED SPACE				10				
11			BUSSED SPACE						0.0							BUSSED SPACE				12				
CONNECTED LOAD (KVA)				2.0	0.0	0.0	0.4	0.6	3.7	3.4	3.0	0.0	0.0	1.1	0.0									
25% OF LARGEST MOTOR (KVA)																								
TOTAL CONNECTED LOAD (KVA)				5.0	0.0	0.0	1.5	0.6																
DEMAND FACTOR				1.0	1.25	1.0	X	1.25																
TOTAL DEMAND LOAD (KVA)				5.0	0.0	0.0	1.5	0.8								TOTAL DEMAND (KVA) 7 LINE CURRENT (AMPS) 35 HWH - HOT WATER HEATER								
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)																								

PROJECT: SUNY PURCHASE COLLEGE -PHYSICAL EDUCATION										PANEL VOLTAGE:				120/208V				AIC RATING:				10K															
PANEL: PANEL BY LOCKERS/CLASS RM. (E)										PHASE & WIRE:				3PH, 4W				MOUNTING:				SURFACE															
LOCATION BASEMENT ELECTRICAL ROOM										BUSMAIN (AMPS):				100A MLO				NEMA TYPE:				1															
CKT		OCD		LOAD (KVA)										3 PH SEQUENCE								LOAD (KVA)						OCD		CKT							
		A P		DESCRIPTION		MISC		HHW		HVAC		REC		LTO		A		B		C		MISC		HHW		HVAC		REC		LTO		DESCRIPTION		A P		NO.	
1		20		1		EXISTING LOAD		0.6								1.4												0.8		EXISTING LOAD		20		1		2	
3		20		1		EXISTING LOAD		0.6										1.6				1.0										EXISTING LOAD		60		3 4	
5		20		1		EXISTING LOAD		0.6												1.6		1.0								/		/		/ 6			
7		20		1		EXISTING LOAD		0.6												1.6		1.0								/		/		/ 8			
9		20		1		EXISTING LOAD						0.8						1.6								0.8		EXISTING LOAD		20		1		10			
11		60		2		PANEL A(N)		2		1.7		0.0		0.0		0.5		0.2				3.0		0.6				EXISTING LOAD		30		3		12			
13		/		/		/		1.7		0.0		0.0		0.5		0.2		3.0						0.6				/		/		/		14			
15		20		2		EXISTING LOAD						0.8						1.4				0.6						/		/		/		16			
17		/		/		/						0.8								1.4				0.6				EXISTING LOAD		30		3		18			
19		20		1		EXISTING LOAD						0.8		1.4										0.6				/		/		/		20			
21		30		2		EXISTING LOAD										1.5								0.6				/		/		/		22			
23		/		/		/		0.9												1.7						0.8		EXISTING LOAD		20		1		24			
CONNECTED LOAD (KVA)								7.5		0.0		0.0		4.2		0.4		7.4		6.1		7.7		4.8		0.0		1.8		2.4		0.0					
25% OF LARGEST MOTOR (KVA)																																					
TOTAL CONNECTED LOAD (KVA)										12.3		0.0		1.8		6.6		0.4																			
DEMAND FACTOR										1.0		1.25		1.0		X		1.25																			
TOTAL DEMAND LOAD (KVA)										12.3		0.0		1.8		6.6		0.5																			
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)																				TOTAL DEMAND (KVA)										21							
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION																				LINE CURRENT (AMPS)										59							
																				HWH - HOT WATER HEATER																	
										2 PROVIDE NEW CIRCUIT BREAKER																											

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RESTROOM RENOVATION PURCHASE COLLEGE

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CHK By
Scale AS NOTED
DOB Rev

E-603.00

KEY PANELS

PANEL 'A' (N)

PANEL BY LOCKERS/
CLASS RM. (E)



SHEET KEY NOTES

1. RELOCATED EXISTING LOAD AND CIRCUIT BREAKER FROM CIRCUIT #11 TO CIRCUIT #9.

GENERAL NOTES

1. TURN ALL SPARE CIRCUIT BREAKERS TO "OFF" POSITION AT COMPLETION OF WORK.
2. AT COMPLETION OF PROJECT, PROVIDE TYPE WRITTEN SCHEDULES FOR ALL PANEL BOARDS UTILIZED DURING THE CONSTRUCTION PROCESS INDICATING AS-BUILT CONDITIONS.
3. PROVIDE RED COLOR LOCKABLE TYPE BREAKERS FOR CIRCUITS SERVING LIFE SAFETY PANEL BOARDS.
4. 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.
5. 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.
6. 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.
7. PROVIDE ARC FLASH WARNING LABELS FOR ALL NEW PANEL BOARDS.