PANEL SCHEDULE – 'A' 208Y/120 VOLTS, 3-PH, 4-W 200 AMP LUG	NEMA 1 SURFACE MOUNTED A.I.R. PER POWER ONE-LINE AND SPECIFICATIONS							INTEGRAL SPD AND 200% NEUTRAL SUB-FEED LUGS
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION
CLASSROOM/GATHER – REC	0.54	20	1	1+--2	1.70	20	1	LTG – GATHERING SW PENDANTS
CLASSROOM/GATHER – REC	1.08	20	1	3-+-4	1.75	20	1	LTG – GATHERING NE PENDANTS
CLASSROOM/GATHER – REC	1.08	20	1	5--+6	0.52	20	1	LTG – S. VEST, STORAGE, ELEC, OFFICE 5
CLASSROOM/GATHER – REC	0.90	20	1	7+--8	1.00	20	1	CLASSROOM/GATHER – DISHWASHER
CLASSROOM/GATHER – REC	0.90	20	1	9-+-10	1.00	20	1	CLASSROOM/GATHER – COFFEE MAKER
CLASSROOM/GATHER – REC	0.90	20	1	11--+12	0.30	20	1	LTG – EXTERIOR BUILDING
CLASSROOM/GATHER – REC	0.72	20	1	13+--14	0.72	20	1	CLASSROOM/GATHER FLOOR GRID – REC
CLASSROOM/GATHER – PROJECTOR REC	1.00	20	1	15-+-16	0.72	20	1	CLASSROOM/GATHER FLOOR GRID – REC
CLASSROOM/GATHER FLOOR GRID – REC	1.44	20	1	17--+18	1.44	20	1	CLASSROOM/GATHER FLOOR GRID – REC
CLASSROOM/GATHER FLOOR GRID – REC	1.08	20	1	19+--20	1.00	20	1	CLASSROOM/GATHER – MICROWAVE
CLASSROOM/GATHER FLOOR GRID – REC	1.44	20	1	21-+-22	1.00	20	1	MOTORIZED PROJECTOR SCREENS
CLASSROOM/GATHER FLOOR GRID – REC	1.08	20	1	23--+24	1.50	20	1	CLASSROOM/GATHER – REFRIGERATOR
CLASSROOM/GATHER FLOOR GRID – REC	0.72	20	1	25+--26	0.18	20	1	STORAGE – REC
CLASSROOM/GATHER FLOOR GRID – REC	1.44	20	1	27-+-28	---	20	1	SPARE
OFFICE 6 – REC	0.72	20	1	29--+30	0.54	20	1	CLASSROOM/GATHER FLOOR N WALL – REC
OFFICE 6 – REC	0.72	20	1	31+--32	---	20	1	SPARE
OFFICE 5 – REC	0.54	20	1	33-+-34	0.36	20	1	ELECT ROOM – REC
OFFICE 5 – REC	0.36	20	1	35--+36	0.40	20	1	BAS PANEL (E) IN ELECT ROOM
STORAGE – REC	0.72	20	1	37+--38	0.50	20	1	ADA DOOR OPERATOR
A/V EQUIPMENT RACK – REC	1.00	20	1	39-+-40	0.50	20	1	ACCESS CONTROL DOOR CONTROLLER
A/V EQUIPMENT RACK – REC	1.00	20	1	41--+42	---	20	1	SPARE
OFFICE 5 – REC	1.50	20	1	43+--44	---	20	1	SPARE
SPARE	---	20	1	45-+-46	---	20	1	SPARE
SPARE	---	20	1	47--+48	---	20	1	SPARE
SPARE	---	20	1	49+--50	---	20	1	SPARE
SPARE	---	20	1	51-+-52	---	20	1	SPARE
SPARE	---	20	1	53--+54	---	20	1	SPARE
SPARE	---	20	1	55+--56	0.10	20	3	DEM
SPARE	---	20	1	57-+-58	---	---	---	---
SPARE	---	20	1	59--+60	---	---	---	---

TOTAL CONNECTED LOADS – A	12.0	KVA		42 POLE SPACES USED		
" – B	12.8	"				
" – C	11.3	"				
" – ALL	36.1	"	=	100	AMPS	@ 208 VOLTS, 3-PHASE
TOTAL LOAD WITH NEC FACTORS	33.2	"	=	92	AMPS	

TOTAL LOAD FOR PANEL AND SUBPANEL	20.9	KVA				
" – B	21.8	"				
" – C	19.3	"				
" – ALL	62.0	"	=	172	AMPS	@ 208 VOLTS, 3-PHASE
TOTAL LOAD WITH NEC FACTORS	56.7	"	=	157	AMPS	

PANEL SCHEDULE – 'B' 208Y/120 VOLTS, 3-PH, 4-W 200 AMP MAIN BREAKER	NEMA 1 SURFACE MOUNTED A.I.R. PER POWER ONE-LINE AND SPECIFICATIONS							INTEGRAL SPD AND 200% NEUTRAL
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION
OFFICE 4 – REC	0.36	20	1	1+--2	1.58	20	1	** LTG – HALL 100C2, 100C1, 100C3
OFFICE 3/RECITATION – REC	0.54	20	1	3-+-4	1.44	20	1	** LTG – OFFICE 3, RECIT 3,5,6
OFFICE 2 – REC	0.72	20	1	5--+6	0.41	20	1	LTG – NE STOR, COMM, JAN, MENS, WOMENS
OFFICE 1 – REC	0.72	20	1	7+--8	1.08	20	1	** LTG – RECIT 2,4
* OFFICE 2 – REC	1.00	20	1	9-+-10	1.08	20	1	** LTG – OFFICE 2, BREAK
BREAK MICROWAVE – REC	1.00	20	1	11--+12	1.12	20	1	** LTG – OFFICE 1, RECIT 1
BREAK COFFEE MAKER – REC	1.00	20	1	13+--14	0.90	20	1	REC: CORRIDOR
BREAK REFRIGERATOR	1.50	20	1	15-+-16	---	20	1	SPARE
RECITATION 1 – REC	0.90	20	1	17--+18	---	20	1	SPARE
RECITATION 2 – REC	0.54	20	1	19+--20	---	20	1	SPARE
RECITATION 3 – REC	0.72	20	1	21-+-22	0.80	20	1	* NORTH DOOR CONTROLLER (E)
RECITATION 4 – REC	0.72	20	1	23--+24	0.80	20	1	* NORTH DOOR – ADA OPERATOR (E)
* RECITATION 5 – REC	1.44	20	1	25+--26	0.50	20	1	BUILDING SIGN(E)
SPARE	---	20	1	27-+-28	1.20	20	1	* EXT LTS – NORTH (E)
MENS/WOMENS RR – REC	0.72	20	1	29--+30	0.50	20	1	ACCESS CONTROL PANELS
SPARE	---	20	1	31+--32	0.80	20	1	FIRE ALARM CONTROL PANEL
BREAK – REC	0.36	20	1	33-+-34	0.36	20	1	COMM ROOM – REC
ROOF RECS	0.54	20	1	35--+36	0.54	20	1	COMM ROOM – REC
SPARE	---	20	1	37+--38	---	20	1	SPARE
SPARE	---	20	1	39-+-40	---	20	1	SPARE
SPARE	---	20	1	41--+42	---	20	1	SPARE

* EXISTING BRANCH CIRCUIT. EXTEND, RECONNECT, AND RE-CIRCUIT TO THIS NEW PANEL. FIELD VERIFY CONNECTED LOAD AND LOCATION.
** BASE BID CIRCUITING AND LOAD SHOWN. IF ALTERNATE IS AWARDED; LIGHTING IN ALTERNATE AREA MAY BE CIRCUITED PER PLAN ON SHEET E201A.

TOTAL CONNECTED LOADS – A	8.9	KVA		42 POLE SPACES USED		
" – B	9.0	"				
" – C	8.0	"				
" – ALL	25.9	"	=	72	AMPS	@ 208 VOLTS, 3-PHASE
TOTAL LOAD WITH NEC FACTORS	28.5	"	=	79	AMPS	

PANEL SCHEDULE – 'C' 208Y/120 VOLTS, 3-PH, 4-W 400 AMP LUG	NEMA 1 SURFACE MOUNTED EXISTING PANEL – RECONFIGURED A.I.R. PER POWER ONE-LINE AND SPECIFICATIONS							FEED-THRU LUGS REMOTE SPD NEW CIRCUIT BREAKERS ARE SHOWN IN BOLD REMOVE HANDLE TIES FROM (E) CIRCUIT BREAKERS
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION
EWH-1	2.31	**20**	**3**	1+--2	10.00	**40**	**3**	* RTU-1(E)
---	---	---	---	3-+-4	---	**---**	**---**	---
---	---	---	---	5--+6	---	**---**	**---**	---
SPARE	---	20	2	7+--8	10.00	**40**	**3**	* RTU-2(E)
---	---	---	---	9-+-10	---	**---**	**---**	---
EWH-2	2.31	**20**	**3**	11--+12	---	**---**	**---**	---
---	---	---	---	13+--14	10.00	**40**	**3**	* RTU-3(E)
---	---	---	---	15-+-16	---	**---**	**---**	---
SPARE	---	20	1	17--+18	---	**---**	**---**	---
* WATER HEATER 100M1 CLOSET(E)	4.50	**30**	**2**	19+--20	10.00	**40**	**3**	* RTU-4(E)
---	---	**---**	**---**	21-+-22	---	**---**	**---**	---
SPARE	---	**20**	**1**	23--+24	---	**---**	**---**	---
SPARE	---	30	3	25+--26	10.00	**40**	**3**	* RTU-5(E)
---	---	---	---	27-+-28	---	**---**	**---**	---
---	---	---	---	29--+30	---	**---**	**---**	---
MAU-1	1.84	**15**	**2**	31+--32	---	20	1	SPARE
---	---	---	---	33-+-34	---	20	1	SPARE
SPARE	---	30	1	35--+36	1.24	20	1	EF-1,EF-2,EF-3 ,EF-4
SPARE	---	**15**	**1**	37+--38	0.10	**20**	**3**	DEM
SPARE	---	20	**1**	39-+-40	---	**---**	**---**	---
SPARE	---	30	**1**	41--+42	---	**---**	**---**	---

* EXISTING BRANCH CIRCUIT. EXTEND, RECONNECT, AND RE-CIRCUIT TO THIS NEW PANEL. FIELD VERIFY CONNECTED LOAD AND LOCATION.

TOTAL CONNECTED LOADS – A	21.4	KVA		42 POLE SPACES USED		
" – B	21.4	"				
" – C	19.5	"				
" – ALL	62.3	"	=	173	AMPS	@ 208 VOLTS, 3-PHASE
TOTAL LOAD WITH NEC FACTORS	62.3	"	=	173	AMPS	

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