

SQUARE D I-LINE TYPE HGR-U

WITH GRD. BAR & 100% RATED NEUTRAL				A/C RATING 42,000			
PANEL	SDB	MAINS	800A MCB	ø 3	WIRES 4	MTG. SPACE 63"	ELECTRIC D-127
VOLTS	120/208	MOUNTING	SURFACE	LOCATION			
REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION
EXIST. PANEL RP8	25360	100	1	2	100	-	SPARE
EXIST. PANEL RPK	39160	200	3	4	200	43448	EXIST. PANEL RP5
PANELS RP4 & RP2	37480	225	5	6	225	29240	EXIST. PANEL RP7
PANELS RP3 & RP1	33540	175	7	8	125	32704	EXIST. PANEL RP6
SPACE	-	3	9	10	-	-	SPACE
SPACE	-	3	11	12	-	-	SPACE
SPACE	-	3	13	14	-	-	SPACE

SQUARE D NO

WITH GRD. BAR & 100% RATED NEUTRAL				A/C RATING 10,000			
PANEL	'RP1'	MAINS	225A MLO	ø 3	WIRES 4	POLES 42	CORRIDOR C-115
VOLTS	120/208	MOUNTING	FLUSH	LOCATION			
REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION
● VENDING MACHINE	-	20	1	2	20	900	FPV-9 CLASSROOM
● VENDING MACHINE	-	20	3	4	20	900	FPV-10 CLASSROOM
● RECPT'S	-	20	5	6	20	900	FPV-11 CLASSROOM
● RECPT'S	-	20	7	8	20	900	FPV-12 CLASSROOM
● WATER COOLER	-	20	9	10	20	900	FPV-13 CLASSROOM
● MDF GENERAL RECPT.	180	20	11	12	20	900	FPV-14 CLASSROOM
● ELEV. MACHINE ROOM FAN	-	20	13	14	20	900	FPV-15 FACULTY
● FPV-16 CLASSROOM	900	20	15	16	20	-	SPARE
● EXIST. CIRCUIT	-	20	17	18	20	-	ROOF RECPT.
● AHU-1 IONIZATION, UV LTS.	200	20	19	20	20	-	CABINET HEATER
● RECPT'S SMALL GROUP	1080	20	21	22	20	-	SPARE
● RECPT'S	-	20	23	24	20	200	AHU-2 IONIZATION, UV LTS.
● RECPT'S	-	20	25	26	20	720	EF-1 & EF-2 (ROOF)
● RECPT'S	-	20	27	28	20	-	RECPT'S
● RECPT'S	-	20	29	30	20	-	RECPT'S
● EF-3 (ROOF)	1200	20	31	32	20	-	SPARE
● SPARE	-	20	33	34	20	-	SPARE
● CORRIDOR RECPT'S	-	20	35	36	20	-	SPARE
● SPARE	-	20	37	38	20	-	SPARE
● SPARE	-	20	39	40	20	-	SPARE
● SPARE	-	20	41	42	20	-	SPARE

- BRANCH CIRCUIT EXTENDED FROM EXISTING PANEL 'RP1' BEING REMOVED. SPUCE WITH NEW WIRING (TO MATCH EXISTING) AND CONNECT IN THIS NEW PANEL.

SQUARE D NO

WITH GRD. BAR & 100% RATED NEUTRAL				A/C RATING 10,000			
PANEL	'RP3'	MAINS	225A MLO	ø 3	WIRES 4	POLES 42	CORRIDOR A-100
VOLTS	120/208	MOUNTING	FLUSH	LOCATION			
REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION
● SPARE	-	20	1	2	20	900	FPV-1 CLASSROOM
● WATER SOFTENER	-	20	3	4	20	900	FPV-2 CLASSROOM
● EXIST. CIRCUIT	-	20	5	6	20	900	FPV-3 CLASSROOM
● CRAWL SPACE RECPT'S	-	20	7	8	20	900	FPV-4 CLASSROOM
● RECPT'S	-	20	9	10	20	-	STORAGE ROOM HEATER
● RECPT'S	-	20	11	12	20	-	EXIST. CIRCUIT
● RECPT'S	-	20	13	14	20	-	EXIST. CIRCUIT
● RECPT'S	-	20	15	16	20	-	EXIST. CIRCUIT
● EXIST. CIRCUIT	-	20	17	18	20	-	ELEVATOR LIGHTS
● EXIST. CIRCUIT	-	20	19	20	20	-	RECPT. EWC CORRIDOR
● IDF #2 GENERAL RECPT.	180	20	21	22	20	500	RECPT. EWC CORRIDOR
● SPARE	-	20	23	24	20	-	SPARE
● SPARE	-	20	25	26	20	-	SPARE
● SPARE	-	20	27	28	20	-	SPARE
● SPARE	-	20	29	30	20	-	SPARE
● SPARE	-	20	31	32	20	-	SPARE
● SPARE	-	20	33	34	20	-	SPACE
● SPARE	-	20	35	36	20	-	SPACE
● SPARE	-	20	37	38	20	-	SPACE
● SPARE	-	20	39	40	20	-	SPACE
● SPARE	-	20	41	42	20	-	SPACE

- BRANCH CIRCUIT EXTENDED FROM EXISTING PANEL 'RP3' BEING REMOVED. SPUCE WITH NEW WIRING (TO MATCH EXISTING) AND CONNECT IN THIS NEW PANEL.

SQUARE D NF

WITH GRD. BAR & 100% RATED NEUTRAL				A/C RATING 14,000			
PANEL	'NC1'	MAINS	225A MLO	ø 3	WIRES 4	POLES 42	MECH. D-118
VOLTS	277/480	MOUNTING	SURFACE	LOCATION			
REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION
PUMP P-1A	22410	60	1	2	60	22410	PUMP P-1B
PANEL 'NC2' VIA TRANSF.	23340	45	7	8	15	2800	FREEZER WALK-IN CONDENSER
BOILER B-1	4150	20	13	14	15	2800	REFRIG. WALK-IN CONDENSER
BOILER B-2	4150	20	19	20	20	-	SPARE
SPARE	-	20	25	26	20	-	SPARE
SPARE	-	20	27	28	20	-	SPARE
SPARE	-	20	29	30	20	-	SPARE
SPACE	-	31	32	32	20	-	SPACE
SPACE	-	33	34	34	20	-	SPACE
SPACE	-	35	36	36	20	-	SPACE
SPACE	-	37	38	38	20	-	SPACE
SPACE	-	39	40	40	20	-	SPACE
SPACE	-	41	42	42	20	-	SPACE

SQUARE D NO

WITH GRD. BAR & 100% RATED NEUTRAL				A/C RATING 10,000			
PANEL	'RP9'	MAINS	225A MLO	ø 3	WIRES 4	POLES 42	GYM STORAGE 147
VOLTS	120/208	MOUNTING	SURFACE	LOCATION			
REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION
RECPT. REFRIG. EXAM ROOM	1000	20	1	2	20	1280	RECPT'S EXAM ROOM, CH-2
RECPT'S CONFERENCE ROOM	1440	20	3	4	20	1440	RECPT'S ASSIST. PRINCIPAL
RECPT'S PRINCIPAL	1800	20	5	6	20	900	RECPT'S NURSE
RECPT'S NURSE, TOILET	900	20	7	8	20	1080	RECPT'S PHYSCH. OFFICE
RECPT'S GUIDANCE	1260	20	9	10	20	900	RECPT'S CSG OFFICE
RECPT'S ISS ROOM	900	20	11	12	20	-	SPARE
RECPT. COPER HALLWAY	800	20	13	14	20	540	RECPT'S HALLWAY
RECPT. MICROWAVE WORK AREA	1000	20	15	16	20	1000	RECPT. REFRIG. WORK AREA
RECPT. COUNTER WORK AREA	180	20	17	18	20	180	RECPT. COUNTER WORK AREA
RECPT. COPER WORK AREA	800	20	19	20	20	800	RECPT. PRINTER WORK AREA
RECPT'S WORK AREA, TOILET	720	20	21	22	20	540	RECPT'S WORK AREA
RECPT. PRINTER RECEPTION	800	20	23	24	20	1080	RECPT'S RECEPTION
RECPT'S RECEPTION	1080	20	25	26	20	900	RECPT'S SECURE WAITING, WAITING
RTU-1 IONIZATION, UV LTS.	200	20	27	28	20	-	SPARE
SPARE	-	20	29	30	20	-	SPARE
SPARE	-	20	31	32	20	-	SPARE
SPARE	-	20	33	34	20	-	SPARE
SPARE	-	20	35	36	20	-	SPARE
SPARE	-	20	37	38	20	-	SPARE
SPARE	-	20	39	40	20	-	SPARE
SPARE	-	20	41	42	20	-	SPARE

SQUARE D NO

WITH GRD. BAR & 100% RATED NEUTRAL				A/C RATING 10,000			
PANEL	'RP2A'	MAINS	225A MLO	ø 3	WIRES 4	POLES 42	CORRIDOR C-139
VOLTS	120/208	MOUNTING	FLUSH	LOCATION			
REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION
● CORRIDOR RECPT'S	-	20	1	2	20	-	SEMINAR RECPT'S
● RECPT'S OT/PT ROOM	1080	20	3	4	20	-	SEMINAR RECPT'S
● CLASSROOM RECPT'S	-	20	5	6	20	-	CLASSROOM RECPT'S
● CLASSROOM RECPT'S	-	20	7	8	20	-	CLASSROOM RECPT'S
● CLASSROOM RECPT'S	-	20	9	10	20	-	CLASSROOM RECPT'S
● SEMINAR RECPT'S	-	20	11	12	20	500	RECPT. EWC CORRIDOR
● RECPT. EWC CORRIDOR	500	20	13	14	20	-	ROOF RECPT'S
● EXIST. CIRCUIT	-	20	15	16	20	-	SPARE
● EXIST. CIRCUIT	-	20	17	18	20	-	EXIST. CIRCUIT
● EXIST. CIRCUIT	-	20	19	20	20	-	EXIST. CIRCUIT
● EXIST. CIRCUIT	-	20	21	22	20	-	EXIST. CIRCUIT
● EXIST. CIRCUIT	-	30	23	24	30	-	SAW
● EXIST. CIRCUIT	-	2	25	26	2	-	SAW
● SPARE	-	20	27	28	20	-	SPARE
● SPARE	-	20	29	30	20	-	SPARE
● SPARE	-	20	31	32	20	-	SPARE
● SPARE	-	20	33	34	20	-	SPARE
● SPARE	-	20	35	36	20	-	SPARE
● SPARE	-	20	37	38	20	-	SPACE
● SPARE	-	20	39	40	20	-	SPACE
● SPARE	-	20	41	42	20	-	SPACE

- BRANCH CIRCUIT EXTENDED FROM EXISTING PANEL 'RP2A' BEING REMOVED. SPUCE WITH NEW WIRING (TO MATCH EXISTING) AND CONNECT IN THIS NEW PANEL.

SQUARE D NO

WITH GRD. BAR & 100% RATED NEUTRAL				A/C RATING 10,000			
PANEL	'RP4'	MAINS	225A MLO	ø 3	WIRES 4	POLES 42	CORRIDOR A-120
VOLTS	120/208	MOUNTING	FLUSH	LOCATION			
REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION
● UNIT HEATERS	-	20	1	2	20	900	FPV-5 CLASSROOM
● RECPT. EWC CORRIDOR	500	20	3	4	20	900	FPV-6 CLASSROOM
● EXIST. CIRCUIT	-	20	5	6	20	900	FPV-7 CLASSROOM
● EXIST. CIRCUIT	-	20	7	8	20	900	FPV-8 CLASSROOM
● EXIST. CIRCUIT	-	20	9	10	20	-	EXIST. CIRCUIT
● EXIST. CIRCUIT	-	20	11	12	20	-	EXIST. CIRCUIT
● STORAGE/CRAWL SPACE RECPT'S	-	20	13	14	20	-	EXIST. CIRCUIT
● SPARE	-	20	15	16	20	-	EXIST. CIRCUIT
● CORRIDOR RECPT'S	-	20	17	18	20	-	CLASSROOM RECPT'S
● CLASSROOM RECPT'S	-	20	19	20	20	-	CLASSROOM RECPT'S
● SPARE	-	20	21	22	20	-	CLASSROOM RECPT'S
● SPARE	-	20	23	24	20	-	SPARE
● SPARE	-	20	25	26	20	-	SPARE
● SPARE	-	20	27	28	20	-	SPARE
● SPARE	-	20	29	30	20	-	SPARE
● SPARE	-	20	31	32	20	-	SPARE
● SPACE	-	33	34	34	20	-	SPACE
● SPACE	-	35	36	36	20	-	SPACE
● SPACE	-	37	38	38	20	-	SPACE
● SPACE	-	39	40	40	20	-	SPACE
● SPACE	-	41	42	42	20	-	SPACE

- BRANCH CIRCUIT EXTENDED FROM EXISTING PANEL 'RP4' BEING REMOVED. SPUCE WITH NEW WIRING (TO MATCH EXISTING) AND CONNECT IN THIS NEW PANEL.

SQUARE D NO

WITH GRD. BAR & 100% RATED NEUTRAL				A/C RATING 10,000			
PANEL	'NC2'	MAINS	100A MCB	ø 3	WIRES 4	POLES 42	
VOLTS	120/208	MOUNTING		SURFACE	LOCATION	MECH. D-118	
REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION
FUEL OIL PUMP SET	—	20	1	2	20	—	ATC PANEL
REFRIGERATOR/FREEZER LTS.	—	20	3	4	20	—	CHILLER BLOCK HEATER
LEAK MONITOR	—	20	5	6	20	—	HOT WATER HEATERS
WATER HEATER	—	20	7	8	20	—	H.W. RECIRC. PUMP
IDF #1 DATA RECPT.	180	20	9	10	30	2000	IDF #1 DATA TWIST-LOCK RECPT.
IDF #1 DATA RECPT.	180	20	11	12	20	360	IDF #1 EQUIP. BOARD RECPT.
IDF #1 DATA RECPT.	180	20	13	14	20	2000	CU-1 & DAC-1
REFRIG. EVAPORATOR FAN	500	20	15	16	2	—	
FREEZER EVAP. DEFROST CYCLE	1500	15	17	18	20	—	SPARE
		2	19	20	20	—	SPARE
SPARE	—	20	21	22	20	—	SPARE
SPARE	—	20	23	24	20	—	SPARE
SPARE	—	20	25	26	20	—	SPARE
SPARE	—	20	27	28	20	—	SPARE
SPARE	—	20	29	30	20	—	SPARE
SPACE			31	32			SPACE
SPACE			33	34			SPACE
SPACE			35	36			SPACE
SPACE			37	38	100	15240	PANEL 'NC3'
SPACE			39	40			
SPACE			41	42	3		