

CABINET UNIT HEATER SCHEDULE												
MARK	TYPE	LOCATION	CFM	VOLTAGE/ PHASE	MOTOR HP	M.B.H.	G.P.M.	E.W.T. °F	W.P.D. FT.	SIZE	NOTES	
CUH-1	RECESSED WALL	A-001 VESTIBULE	335	120 / 1ø	1/15	18.8	1.3	180	0.02	03	1, 2, 3, 4	
CUH-2	WALL MOUNT	A-006 STAIR	230	120 / 1ø	1/15	11.6	0.9	180	0.02	02	1, 2, 3, 4, 5	
CUH-3	WALL MOUNT	A-003 VESTIBULE	230	120 / 1ø	1/15	11.6	0.9	180	0.02	02	1, 2, 3, 4	
CUH-4	WALL MOUNT	C-004 STAIR	230	120 / 1ø	1/15	11.6	0.9	180	0.02	02	1, 2, 3, 4	
CUH-5	RECESSED CEILING	C-005 ELA	230	120 / 1ø	1/15	11.6	0.9	180	0.02	02	1, 2, 3, 4, 5	
CUH-6	WALL MOUNT	B-002 CORRIDOR	230	120 / 1ø	1/15	11.6	0.9	180	0.02	02	1, 2, 3, 4	

- CABINET UNIT HEATER SCHEDULE NOTES:
- BASIS OF DESIGN IS STERLING. REFER TO SPECIFICATIONS FOR ADDITIONAL MANUFACTURERS.
 - CAPACITY BASED ON 30% PG WATER, 60°F EAT, 30°F DELTA T, 180°F EWT, AND STANDARD 1 ROW COIL.
 - FURNISH WITH PROPER MOUNTING HARDWARE TRIM KIT. MC SHALL FIELD VERIFY EACH UNIT.
 - FURNISH UNIT WITH ECM BLOWER KIT AND CONTROL BOARD. THERMOSTAT SHALL BE SUPPLIED BY TCC. MC SHALL BE RESPONSIBLE FOR CONTROL WIRING.
 - FURNISH WITH 3 WAY VALVE.

EXHAUST ROOF VENTILATOR SCHEDULE												
MARK	AREA SERVED & PURPOSE	CFM	TOTAL PRESSURE DROP IN H ₂ O	THROAT SIZE INCHES	HOOD SIZES INCHES	CURB CAP INCHES	THROAT VELOCITY FPM	WEIGHT	THROAT SIZE SQ. FT.	LOUVER HEIGHT (IN)	NOTES	
GRV-1	AHU-1 RELIEF	8,100	0.176	30x42	45x63	36x48	926	285	8.75	18.0	1, 2	
GRV-2	AHU-2 RELIEF	5,000	0.150	30x30	43x51	36x36	1,108	235	6.25	17.0	1, 2	
GRV-3	AHU-3 RELIEF	5,000	0.106	30x30	43x51	36x36	808	235	6.25	17.0	1, 2	
GRV-4	AHU-4 RELIEF	12,900	0.204	42x42	62x63	48x48	1,053	330	12.25	20.0	1, 2	
GRV-5	AHU-5 RELIEF	7,300	0.133	36x36	57x51	42x42	811	280	9.00	16.5	1, 2	
GRV-6	AHU-6 RELIEF	14,500	0.150	42x54	66x75	48x60	921	400	15.75	21.1	1, 2	

- GRAVITY ROOF VENTILATOR SCHEDULE NOTES:
- FURNISH WITH PREMANUFACTURED INSULATED ROOF CURB.
 - FURNISH WITH BIRD SCREEN.

LOUVER SCHEDULE								
MARK	LOCATION/ SERVING	DESIGN CFM	SIZE (WxH IN.)	MINIMUM FREE AREA (SQ. FT.)	MAX. PRESSURE DROP (IN. H ₂ O)	FREE AREA MAX. VELOCITY (FPM)	SCREEN TYPE	NOTES
L-1	MECH ROOM B-119 / INTAKE	7550	66x48	10.56	0.09	750	BIRO	
L-2	MECH ROOM B-119 / INTAKE	7550	66x48	10.56	0.09	750	BIRO	
L-3	MECH ROOM A-229 / INTAKE	20375	96x78	27.79	0.09	750	BIRO	
L-4	MECH ROOM A-229 / INTAKE	20375	96x78	27.79	0.09	750	BIRO	
L-5	OUTDOOR STORAGE B-119B	250	18x12	0.34	0.09	750	BIRO	
L-6	LOADING/RECI EVING B-121	400	18x18	0.55	0.09	750	BIRO	

BASIS OF DESIGN IS RUSKIN EME230. REFER TO SPECIFICATIONS FOR ADDITIONAL MANUFACTURES.

- LOUVER SCHEDULE NOTES:
- LOUVER OVERALL SIZE IS NOTED ON DRAWINGS AND SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS FOR FINAL SIZE, AND LOCATION.
 - LOUVER SCHEDULED SIZE IS MINIMUM AREA TO BE QUOTED AS REQUIRED FOR DESIGN CRITERIA.
 - BLANK OFF UNUSED LOUVER AREA WITH S.M. AND RIGID BOARD INSULATION.

FAN SCHEDULE												
MARK	AREA SERVED & PURPOSE	LOCATION	CAPACITY (CFM)	E.S.P. (IN.W.G.)	FAN RPM	MOTOR HP	TYPE OF FAN	ROOF OPENING SIZE	WEIGHT (LBS)	INTERLOCKED WITH	NOTES	
EF-1	AREA A GENERAL EXHAUST	ROOF	750	0.5	1692	1/6	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	13.5" x 13.5"	50	TIME CLOCK	1, 2, 3	
EF-2	ADMIN GENERAL EXHAUST	ROOF	300	0.25	1160	1/8	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	13.5" x 13.5"	50	INTERLOCK WITH AHU-3	1, 2, 3, 5	
EF-3	CLINIC GENERAL EXHAUST	ROOF	300	0.25	1160	1/8	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	13.5" x 13.5"	50	SWT	1, 2, 3, 4	
EF-4	ART ROOM EXHAUST	ROOF	700	0.5	1627	1/6	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	13.5" x 13.5"	50	SWT	1, 2, 3, 4	
EF-5	AREA B REST ROOM EXHAUST	ROOF	1175	0.5	1099	1/4	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	15.5" x 15.5"	50	TIME CLOCK	1, 2, 3	
EF-6	AREA B GENERAL EXHAUST	ROOF	850	0.5	1174	1/8	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	15.5" x 15.5"	50	INTERLOCK WITH AHU-1	1, 2, 3, 5	
EF-7	MECHANICAL B-119 EXHAUST	ROOF	1000	0.25	860	1/8	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	15.5" x 15.5"	50	THERMOSTAT	1, 2, 3, 6, 7	
EF-8	ELECTRICAL B-119A EXHAUST	ROOF	400	0.25	1043	1/8	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	13.5" x 13.5"	50	THERMOSTAT	1, 2, 3, 6, 7	
EF-9	TEACHER RR A-107A	CEILING	150	0.25	1093	53 WATT	CENTRIFUGAL CEILING CABINET FAN	--	25	INTERLOCK WITH LIGHTSWITCH	1, 2, 3, 5	
EF-10	TEACHER RR A-217A	CEILING	150	0.25	1093	53 WATT	CENTRIFUGAL CEILING CABINET FAN	--	25	INTERLOCK WITH LIGHTSWITCH	1, 2, 3, 5	
EF-11	AREA C SECOND FLOOR GENERAL EXHAUST	ROOF	700	0.5	1627	1/6	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	13.5" x 13.5"	50	INTERLOCK WITH AHU-6	1, 2, 3, 5	
EF-12	CUSTODIAL CLOSET C-220	CEILING	100	0.25	888	38 WATT	CENTRIFUGAL CEILING CABINET FAN	--	25	INTERLOCK WITH AHU-6	1, 2, 3, 5	
EF-13	AREA C GENERAL EXHAUST	ROOF	850	0.75	1984	1/3	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	13.5" x 13.5"	50	INTERLOCK WITH AHU-6	1, 2, 3, 5	
EF-14	AREA C GENERAL EXHAUST	ROOF	1050	0.75	1442	1/4	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	15.5" x 15.5"	50	INTERLOCK WITH AHU-4	1, 2, 3, 5	
EF-15	MECHANICAL A-229 EXHAUST	ROOF	1000	0.25	1442	1/8	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	15.5" x 15.5"	50	THERMOSTAT	1, 2, 3, 6, 7	
EF-16	MECHANICAL A-229 EXHAUST	ROOF	1000	0.25	1442	1/8	DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR	15.5" x 15.5"	50	THERMOSTAT	1, 2, 3, 6, 7	

- EXHAUST FAN SCHEDULE NOTES:
- FURNISH WITH PREMANUFACTURED INSULATED ROOF CURB.
 - FURNISH WITH BIRD AND INSECT SCREEN.
 - FURNISH MOTOR WITH SPEED CONTROLLER.
 - SPRING WOUND TIMER SWITCH (SWT) SHALL BE FURNISHED, INSTALLED, AND POWERED BY EC. INTERLOCKED BY MC.
 - WHEN FAN INTERLOCKED WITH AHU, FAN SHALL RUN CONTINUOUS DURING OCCUPIED OPERATION.
 - FURNISH WITH MOTOR OPERATED DAMPER IN CURB. DAMPER SHALL BE 24V. INTERLOCK DAMPER TO OPEN WHEN FAN IS IN OPERATION.
 - THERMOSTAT SHALL BE LOW VOLTAGE. INSTALL ON WALL IN SPACE SERVED. COORDINATE WITH OBSTRUCTIONS AND AVOID HEAT SOURCES.

TERMINAL UNIT SCHEDULE																			
MARK	INLET SIZE	PRIMARY AIR (CFM)		MAX FAN (CFM)	E.A.T. (°F)	HEATING CFM	CAPACITY (MBH)	FLOW (GPM)	REHEAT COIL		ROWS/ FPI	E.W.T. (°F)	L.A.T. (°F)	FLUID	FAN HP	VOLTAGE/ PHASE	MAXIMUM NC LEVELS		NOTES
		MINIMUM VENTILATION	MAXIMUM COOLING						W.P.D. (FT)	W.P.D. (°F)							RADIATED	DISCHARGE	
AHU-1																			
VAV-B125	07	60	300	-	50	200	11.5	0.9	0.27	2-RH/10	180	102.9	30% PG	-	-	-	15	20	
VAV-B114A	07	23	300	-	50	175	8.5	2.9	4.56	1-RH/10	180	95	30% PG	-	-	-	15	20	
FPB-B103A	12	800	1150	1600	55.0	1600	69.4	2.9	3.32	2-RH/10	180	95	30% PG	1/2	277/1	-	22	21	
FPB-B113	14	320	2200	2200	55.5	2200	94.4	2.9	1.99	2-RH/10	180	95	30% PG	3/4	277/1	-	37	35	
FPB-B103B	12	800	1150	1600	55.0	1600	69.4	2.9	3.32	2-RH/10	180	95	30% PG	1/2	277/1	-	22	21	
VAV-B113C	12	17	850	-	50	450	23.2	1.4	0.3	2-RH/10	180	97.9	30% PG	-	-	-	17	22	
VAV-B113D	05	15	200	-	50	53	3.1	0.5	0.2	1-RH/10	180	103.6	30% PG	-	-	-	15	27	
FPB-B103C	12	800	1150	1600	55.0	1600	69.4	2.9	3.32	2-RH/10	180	95	30% PG	1/2	277/1	-	22	21	
VAV-B002	10	175	600	-	50	350	18.2	1.4	0.27	2-RH/10	180	97.9	30% PG	-	-	-	19	24	
VAV-B117	05	16	200	-	50	100	4.9	0.8	0.44	1-RH/10	180	95	30% PG	-	-	-	15	27	
AHU-3																			
VAV-A118C	05	22	200	-	50	150	8.9	0.9	0.2	2-RH/10	180	104.4	30% PG	-	-	-	15	28	
VAV-A118D	05	22	200	-	50	150	8.9	0.9	0.2	2-RH/10	180	104.4	30% PG	-	-	-	15	28	
VAV-A118E	05	24	200	-	50	150	8.9	0.9	0.2	2-RH/10	180	104.4	30% PG	-	-	-	15	28	
VAV-A118F	10	82	600	-	50	400	19.5	1.5	0.29	2-RH/10	180	95	30% PG	-	-	-	19	24	
VAV-A118	09	59	500	-	50	250	12.2	1.7	2.0	1-RH/10	180	95	30% PG	-	-	-	13	19	
VAV-A118G	07	26	300	-	50	200	11.5	0.9	0.27	2-RH/10	180	102.9	30% PG	-	-	-	15	20	
VAV-A118J	08	98	400	-	50	200	11.5	0.9	0.27	1-RH/10	180	102.9	30% PG	-	-	-	15	24	
VAV-A003	07	12	300	-	50	175	8.5	2.9	4.56	1-RH/10	180	95	30% PG	-	-	-	15	20	
VAV-A118A	07	24	300	-	50	200	11.5	0.9	0.27	2-RH/10	180	102.9	30% PG	-	-	-	15	20	
VAV-A118B	05	24	200	-	50	150	8.9	0.9	0.2	2-RH/10	180	104.4	30% PG	-	-	-	15	28	
VAV-A001	14	20	1000	-	50	600	32.2	1.9	0.26	2-RH/10	180	99.6	30% PG	-	-	-	15	15	
VAV-A118T	05	37	150	-	50	100	4.9	0.8	0.44	1-RH/10	180	95	30% PG	-	-	-	15	24	
VAV-A118R	12	45	700	-	50	400	22.1	1.4	0.3	2-RH/10	180	101	30% PG	-	-	-	15	22	
AHU-4																			
FPB-C117	08	447	600	1000	55.5	1000	42.8	2.8	0.86	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
FPB-B115	08	447	600	1000	55.5	1000	42.8	2.8	0.86	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
FPB-C103	10	469	700	1100	55.7	1100	46.9	1.6	1.45	2-RH/10	180	95	30% PG	1/2	277/1	-	16	10	
FPB-C101	08	450	600	1000	55.5	1000	42.9	2.8	0.87	2-RH/10	180	95	30% PG	1/4	277/1	-	25	20	
FPB-A115	10	614	800	1275	55.7	1275	55.1	2.0	0.82	2-RH/10	180	95	30% PG	1/2	277/1	-	17	13	
FPB-C120	08	448	600	1000	55.5	1000	42.8	2.8	0.86	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
FPB-C118	08	448	600	1000	55.5	1000	42.8	2.8	0.86	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
VAV-C115	09	158	450	-	50	300	17.0	1.7	0.27	2-RH/10	180	102.9	30% PG	-	-	-	14	14	
FPB-C106	08	448	600	1000	55.5	1000	42.8	2.8	0.86	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
FPB-C104	08	447	600	1000	55.5	1000	42.8	2.8	0.86	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
FPB-C102	08	448	600	1000	55.5	1000	42.8	2.8	0.86	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
VAV-C104	05	79	200	-	50	125	6.1	1.9	1.6	1-RH/10	180	95	30% PG	-	-	-	15	27	
VAV-C108	05	80	200	-	50	125	6.1	1.9	1.6	1-RH/10	180	95	30% PG	-	-	-	15	27	
FPB-A112	10	448	600	1000	55.5	1000	42.8	2.8	0.86	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
FPB-A117	10	461	600	1175	56.1	1175	49.6	1.7	1.63	2-RH/10	180	95	30% PG	1/3	277/1	-	17	14	
FPB-B110	08	370	500	975	56.2	975	41.0	2.6	0.79	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-B112	08	370	500	975	56.2	975	41.0	2.6	0.79	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
VAV-B08	05	28	200	-	50	150	8.9	0.9	0.2	2-RH/10	180	104.4	30% PG	-	-	-	15	27	
VAV-B108	05	28	200	-	50	150	8.9	0.9	0.2	2-RH/10	180	104.4	30% PG	-	-	-	15	27	
VAV-B104	06	30	250	-	50	128	6.1	2.0	1.75	1-RH/10	180	95	30% PG	-	-	-	14	22	
VAV-B102	10	600	800	1000	55.5	1000	42.8	2.8	0.86	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
FPB-C005	08	350	600	1000	56.5	1000	41.8	2.7	0.82	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
VAV-C114	09	73	500	-	50	350	18.2	1.4	0.27	2-RH/10	180	97.9	30% PG	-	-	-	13	29	
FPB-C002	08	369	600	1000	56.7	1000	41.6	2.8	0.82	2-RH/10	180	95	30% PG	1/4	277/1	-	25	20	
FPB-C003	08	368	600	1000	55.9	1000	42.4	2.8	0.84	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
AHU-5																			
FPB-A102	08	433	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-A104	08	432	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-A106	08	430	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-A108	08	433	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-A112	08	434	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-A005	08	344	600	1000	56.6	1000	41.7	2.7	0.81	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
FPB-A103	08	433	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-A103	08	430	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
VAV-A105	09	193	450	-	50	250	12.2	1.7	0.43	1-RH/12	180	95	30% PG	-	-	-	12	18	
VAV-A107	08	81	600	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	97.9	30% PG	-	-	-	24	19	
VAV-A109	05	79	200	-	50	125	6.1	1.9	1.6	1-RH/10	180	95	30% PG	-	-	-	15	27	
VAV-A111	05	80	200	-	50	125	6.1	1.9	1.6	1-RH/10	180	95	30% PG	-	-	-	15	27	
VAV-A113	05	400	400	-	50	350	18.2	1.4	0.62	2-RH/10	180	95	30% PG	-	-	-	24	15	
FPB-A004	10	611	750	1000	53.9	1000	44.6	3.0	0.91	2-RH/10	180	95	30% PG	1/3	277/1	-	20	19	
FPB-B101	08	521	600	1000	54.8	1000	43.6	2.9	0.89	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
AHU-6																			
FPB-C225	08	433	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-C223	08	433	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
VAV-C221	08	84	125	-	50	125	6.1	1.9	1.6	1-RH/10	180	95	30% PG	-	-	-	14	22	
FPB-C222	08	433	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-C216	08	433	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-C203	08	375	600	1000	56.3	1000	42.1	2.7	0.83	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
VAV-C218	05	81	250	-	50	125	6.1	1.9	1.6	1-RH/10	180	95	30% PG	-	-	-	15	27	
FPB-C214	08	434	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-A212	08	433	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-A216	08	432	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	
FPB-A005	08	343	600	1000	56.6	1000	41.7	2.7	0.81	2-RH/10	180	95	30% PG	1/3	277/1	-	18	18	
FPB-A216	08	433	500	800	54.6	800	35.1	2.1	0.58	2-RH/10	180	95	30% PG	1/3	277/1	-	16	15	