

FAN COIL UNIT SCHEDULE																						
NO.	LOCATION	SERVICE	TYPE	PA	SUPPLY FAN		POWER		CHILLED WATER COIL						HEATING HOT WATER COIL					BASIS OF DESIGN		REMARKS
					CFM	ESP IN.WG	HP (WATTS)	V/ø/HZ	TOT./SENS. CAPACITY BTU/HR	EAT DB/WB(°F)	LAT DB/WB(°F)	EWT °F	GPM	CAPACITY BTU/HR	EAT DB(°F)	LAT DB(°F)	EWT °F	GPM	MANUFACTURER	MODEL		
FCU-B1	BASEMENT	ELECTRICAL SWITCH GEAR	HORIZONTAL	—	3500	0.15	2.0	208/1/60	110.0/75.8	90.0/75.0	70.0/69.0	45.0	21.3	77,000	50.0	70.0	180.0	7.7	MCQUAY	CAH008GDAC	1, 2, 3.	
FCU-1	FIRST FLOOR	ENTRY #E01	HORIZONTAL	—	1000	0.10	(380)	208/1/60	36,210	85.0/73.0	64.9/62.6	45.0	6.0	30,520	65.0	98.2	180.0	3.1	ENVIRO-TEC	HLF-50	1, 2, 3.	
FCU-5	FOURTH FLOOR	AV ROOM #403C	HORIZONTAL	—	450	0.10	(152)	208/1/60	14,260	80.0/67.0	57.4/56.9	45.0	2.4	6,180	70.0	82.5	180.0	0.6	ENVIRO-TEC	HLF-30	1, 2, 3.	
FCU-8	FIRST FLOOR	MULT. H.C. LIFE SKILLS #109	HORIZONTAL	420	1000	0.35	(489)	208/1/60	30,000/22,300	63.7/54.0	55.0/55.0	45.0	3.7	3,000	70.0	72.8	180.0	0.2	ENVIRO-TEC	HLP-50	1, 2, 4.	
FCU-9	FIRST FLOOR	MULT. H.C. LIFE SKILLS #109	HORIZONTAL	420	1000	0.35	(489)	208/1/60	30,000/22,300	63.7/54.0	55.0/55.0	45.0	3.7	3,000	70.0	72.8	180.0	0.2	ENVIRO-TEC	HLP-50	1, 2, 4.	
FCU-10	FIRST FLOOR	MULT. H.C. LIFE SKILLS #109	HORIZONTAL	420	1000	0.35	(489)	208/1/60	30,000/22,300	63.7/54.0	55.0/55.0	45.0	3.7	3,000	70.0	72.8	180.0	0.2	ENVIRO-TEC	HLP-50	1, 2, 4.	

CONDENSING UNIT SCHEDULE													
NO.	LOCATION	TYPE	CONDENSER FAN	COOLING	PIPING		ELECTRICITY	MCA	REFRIGERANT	WEIGHT	BASIS OF DESIGN		REMARKS
			CFM	BTU/HR	LIQUID	GAS	V/ø/HZ			LBS	MANUFACTURER	MODEL	
CU-1	ROOF	HEAT PUMP	7400	72,000	3/8"	7/8"	208/1/60	42.7	R410A	660.0	DAIKIN	RIXYQ72MTJU	INSTALL REFRIGERANT LINES ACCORDING TO FACTORY REQUIREMENT
CU-2	ROOF	HEAT PUMP	7400	72,000	3/8"	7/8"	208/1/60	42.7	R410A	660.0	DAIKIN	RIXYQ72MTJU	

FAN COIL UNIT SCHEDULE (REFRIGERANT)															
NO.	LOCATION	SERVICE	TYPE	CFM	MOTOR			COOLING BTU/HR	PIPING			WEIGHT LBS	BASIS OF DESIGN		REMARKS
					ELECTRICITY V/ø/HZ	WATTS	MCA		LIQUID	GAS	DRAIN		MANUFACTURER	MODEL	
FCU-B2	BASEMENT	ENTRANCE FRAME ROOM #003	CASSETTE	670	208/1/60	45	0.8	24,000	3/8"	5/8"	1-1/4"	55.0	DAIKIN	FXFQ24MVJU	1, 2
FCU-2	FIRST FLOOR	IDF #117	CASSETTE	670	208/1/60	45	0.8	24,000	3/8"	5/8"	1-1/4"	55.0	DAIKIN	FXFQ24MVJU	1, 2
FCU-3	SECOND FLOOR	IDF #223	CASSETTE	670	208/1/60	45	0.8	24,000	3/8"	5/8"	1-1/4"	55.0	DAIKIN	FXFQ24MVJU	1, 2
FCU-4	THIRD FLOOR	IDF #325	CASSETTE	670	208/1/60	45	0.8	24,000	3/8"	5/8"	1-1/4"	55.0	DAIKIN	FXFQ24MVJU	1, 2
FCU-6	FOURTH FLOOR	MDF SERVER ROOM #403E	CASSETTE	950	208/1/60	90	1.2	36,000	3/8"	5/8"	1-1/4"	66.0	DAIKIN	FXFQ36MVJU	1, 2
FCU-7	FOURTH FLOOR	MDF SERVER ROOM #403E	CASSETTE	950	208/1/60	90	1.2	36,000	3/8"	5/8"	1-1/4"	66.0	DAIKIN	FXFQ36MVJU	1, 2

1. REFRIGERANT LINES TO MATCHING CONDENSING UNITS ON ROOF. 2. PROVIDE REMOTE SENSOR KIT.

PLATE TYPE HEAT EXCHANGER SCHEDULE																	
NO.	LOCATION	COOLING CYCLE							HEATING CYCLE							BASIS OF DESIGN	
		PRIMARY LOOP			SECONDARY LOOP			CAPACITY MBH	PRIMARY LOOP			SECONDARY LOOP			CAPACITY MBH	MANUFACTURER	MODEL
		EWTF(°F)	LWT(°F)	GPM	EWTF(°F)	LWT(°F)	GPM		EWTF(°F)	LWT(°F)	GPM	EWTF(°F)	LWT(°F)	GPM			
HE-1	BASEMENT	44.0	55.9	62.5	65.0	60.0	150.0	375.5	180.0	170.0	75.0	165.0	170.0	150.0	364.1	ALFA LAVAL	TSM-FG

CLASSROOM VENTILATION UNIT SCHEDULE																
NO.	SA	OA	CHILLED WATER COIL					HEATING HOT WATER COIL				DIMENSIONS		BASIS OF DESIGN		REMARKS
	CFM	CFM	TOT./SENS. CAPACITY	EAT	LAT	EWT	GPM	CAPACITY	EAT	LAT	EWT	GPM	LENGTHxHEIGHTxDEPTH	MANUFACTURER	MODEL	
			MBH	DB/WB(°F)	DB/WB(°F)	°F		BTU/HR	DB(°F)	DB(°F)	°F					
A	420	140	8,600/7,400	55.0/54.0	54.0/54.0	60.0	5.7	1,100	63.0	75.0	170.0	5.7	5'-8x2'-6"x1'-2"	TROX	QLCI-1500	1, 2.
B	420	140	10,900/8,400	55.0/54.0	54.0/54.0	60.0	3.0	4,900	63.0	75.0	170.0	3.0	7'-4x2'-6"x1'-2"	TROX	QLCI-2000	1, 2.
C	450	150	10,800/8,900	55.0/54.0	54.0/54.0	60.0	3.0	1,900	63.0	75.0	170.0	3.0	5'-8x2'-6"x1'-2"	TROX	QLCI-1500	1, 2.
D	450	150	9,800/8,500	55.0/54.0	54.0/54.0	60.0	2.7	1,800	63.0	75.0	170.0	2.7	7'-4x2'-6"x1'-2"	TROX	QLCI-2000	1, 2.
E	510	170	3,000/1,900	55.0/54.0	54.0/54.0	60.0	0.8	8,400	63.0	75.0	170.0	0.8	7'-4x2'-6"x1'-2"	TROX	QLCI-2000	1, 2.
F	480	160	3,200/2,200	55.0/54.0	54.0/54.0	60.0	0.9	8,400	63.0	75.0	170.0	0.9	7'-4x2'-6"x1'-2"	TROX	QLCI-2000	1, 2.
G	180	60	5,500/5,300	55.0/54.0	54.0/54.0	60.0	1.5	1,300	63.0	75.0	170.0	1.5	5'-8x2'-6"x1'-2"	TROX	QLCI-1500	1, 2.
H	390	130	9,700/6,900	55.0/54.0	54.0/54.0	60.0	2.7	3,900	63.0	75.0	170.0	2.7	5'-8x2'-6"x1'-2"	TROX	QLCI-1500	1, 2.

1. PROVIDE WALL-MOUNTED THERMOSTAT. SET THERMOSTAT AT 70°F (ADJUSTABLE.) 2. UNIT BLANK SECTION SHALL BE PROVIDED BY MANUFACTURER.

ELECTRIC DUCT HEATER SCHEDULE							
NO.	LOCATION	ELECTRIC HEAT		ELECTRICAL	BASIS OF DESIGN		REMARKS
		KW	STAGES	V/ø/HZ	MANUFACTURER	MODEL	
EDH-1	CAFETORIUM #102	3.0	2	480/3/60	INDEECO	QUA-18x10	1, 2.
EDH-2	CORRIDOR #C22	10.0	4	480/3/60	INDEECO	QUA-24x12	1, 2.

1. PROVIDE WALL-MOUNTED THERMOSTAT SET AT 70.0°F (ADJUSTABLE).
2. PROVIDE MOTOR WITH THERMAL OVERLOAD PROTECTION.

ELECTRIC CEILING PANEL SCHEDULE							
NO.	LOCATION	HEATING ELEMENT		ELECTRICAL	BASIS OF DESIGN		REMARKS
		WATTS	DIMENSIONS IN.		V/ø/HZ	MANUFACTURER	
ECP-1	TOILET RM. #101B1	250	24x24	120/1/60	AZTEC	CP251	1, 2, 3.
ECP-2	TOILET RM. #201B	250	24x24	120/1/60	AZTEC	CP251	1, 2, 3.
ECP-3	RESTROOM #406	500	24x48	120/1/60	AZTEC	CP501	1, 2, 3.
ECP-4	RESTROOM #407	500	24x48	120/1/60	AZTEC	CP501	1, 2, 3.

1. PROVIDE WALL-MOUNTED THERMOSTAT SET AT 70.0°F (ADJUSTABLE), MODEL TSSHC-1 WITH TAMPERPROOF COVER.
2. PROVIDE RECESS MOUNTING KIT. LOCATE HEATER ABOVE CEILING AND HEATING SURFACE LEVEL WITH CEILING.
3. HEATING PANEL SHALL BE SUPPLIED WITH REQUIRED 2"x4"x2" METAL EXTENSION RING WITH COVER PLATE FOR QUICK ATTACHMENT TO MOUNTING PLATE ON REAR OF PANEL.



SCHOOL & LOCATION	Commodore John Barry Elementary School 5900 Race Street, Philadelphia PA 19139
PROJECT TITLE	NEW CONSTRUCTION
DRAWING TITLE	HVAC SCHEDULES 3
APPROVED BY	

**SCHOOL DISTRICT OF PHILADELPHIA  
THE SCHOOL REFORM COMMISSION**

DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES

440 N. BROAD STREET  
PHILADELPHIA, PA 19130  
(215) 400-1730 FAX (215) 400-4731

**CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE**

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1	01/25/07	ADDENDUM No. 2
NO.	DATE	REVISION

SPEC NO. B-840C of 2005/06	DATE 12/29/06
SCALE NONE	LOCATION NO. 120
DRAWN BY KHL	TYPE NO. -
CHECKED BY MMT	FILE NO. -

DRAWING NO.

**M502**