

IF THIS SHEET IS NOT 30" x 42"
FULL SIZE, USE GRAPHIC SCALES

one inch = one foot

three-quarter inch = one foot

one-half inch = one foot

three-eighths inch = one foot

one-quarter inch = one foot

one-eighth inch = one foot

AIR HANDLING UNITS SCHEDULE

DESIGNATION	LOCATION	SUPPLY FAN DATA				COOLING DATA				HEATING DATA										AIR FILTRATION				ELECTRICAL DATA		OPERATING HEIGHT (LBS)	MANUFACTURER	MODEL										
		CFM	O.A.	EXT. SP. (IN Hg.)	HP	TOTAL MBH	SENS. MBH	AIR DATA		AIR PD IN Hg.	WWS/FINS PER INCH	MTR PD FT HD	MEH	EAT 1/2	LAT 1/2	PREHEAT COIL		WWS/FINS PER INCH	AIR PD IN Hg.	COND. LOAD #/HR.	MEH	EAT 1/2	LAT 1/2	REHEAT COIL					WWS/FINS PER INCH	COND. LOAD #/HR.	PRE-FILTER		AFTER FILTER					
								EAT 1/2 LAT 1/2 DS/HE	LAT 1/2 DS/HE							STPR. PSI	STPR. PSI							TYPE	SIZE						EFFICIENCY %	TYPE	SIZE	EFFICIENCY %	V/Hz	FLA		
AHU-2	PENTHOUSE MECH. RM.	3600	3600	2.0	7.5	254	151.8	45/75.2	54.9/54.5	45	55.5	44.30	0.90	8/9	8.90	207.6	2	54.7	5	1/6	0.16	216	241.5	52.0	115.3	5	1/0	251.0	FLEATED VA GRADE'A	30	THROXAMAY	87		208/3/60	15.7	2600	USA COIL-AIR	AHD-CBS-1CCH

FAN COIL UNIT SCHEDULE

UNIT NO.	MANUFACTURER	MODEL NO.	FAN DATA			COOLING DATA										HEATING DATA										ELECTRICAL DATA		REMARKS
			FLOW RATE	MOTOR	FAN SPEED	TOTAL CAPACITY	SENSIBLE CAPACITY	ENTERING WATER TEMP.	LEAVING WATER TEMP.	EAT DS/HE	LV6 AIR DS/HE	COIL	COIL PD	COIL ROW	HEATING CAPACITY	ENT AIR DRY BULB TEMP.	LEAV. AIR DRY BULB TEMP.	ENTERING WATER TEMP.	LEAVING WATER TEMP.	COIL FLOW RATE	COIL PD	COIL ROW	FAN SPEED					
																								CFM	HP	M	MEH	
FC-2-5	APPLIED ENVIRONMENTAL AIR	8AVFEO-126-4	240	1/20	M	9.8	6.5	45	52.8	80/67	54.9/55.9	2.5	9.9	4	23.5	70	161	180	161.2	2.5	9.9	4	M	120/1/60	VERTICAL FLOOR CONSOLES, FLAT TOP, TWO PIPE UNITS			
FC-2-(3,4,7,9)	APPLIED ENVIRONMENTAL AIR	4AVFEO-126-4	315	1/12	M	12.7	8.5	45	55.1	80/67	54.9/54.1	2.5	12.2	4	26.9	70	149	180	126.1	1.0	2.4	4	M	120/1/60	VERTICAL FLOOR CONSOLES, FLAT TOP, TWO PIPE UNITS			
FC-2-(2,8,10,11)	APPLIED ENVIRONMENTAL AIR	6AVFEO-126-4	420	1/8	M	16.7	11.3	45	58.6	80/67	55.1/54.2	3.9	12.4	4	41.2	70	160.9	180	158.9	3.9	12.4	4	M	120/1/60	VERTICAL FLOOR CONSOLES, FLAT TOP, TWO PIPE UNITS			
FC-2-6	APPLIED ENVIRONMENTAL AIR	8AVFEO-126-4	630	1/6	L	24.7	16.7	45	52.8	80/67	55.5/54.5	6.3	20	4	60.5	70	154	180	160.8	6.3	20	4	L	120/1/60	VERTICAL FLOOR CONSOLES, FLAT TOP, TWO PIPE UNITS			

NOTES

- PROVIDE FOR EACH FC UNIT SHUT-OFF VALVES, 2-WAY 24V CONTROL VALVE, CIRCUIT SETTER WATER BALANCING VALVE, WATER STRAINER AND DRAIN PAN WITH OVERFLOW SWITCH.
- PROVIDE FOR EACH FC UNIT HEATING/COOLING THERMOSTAT.

CHILLER SCHEDULE

(BASED ON MULTISTACK)

UNIT NO.	MODEL	NOMINAL TONS	FLOW GPM	J.P. (FT)	Ts	Tr	ELECTRICAL DATA			HEIGHT LBS	REMARKS
							MCA	MOCP	V/PH		
CH-1	21ASR050XG1BA2ASIAAAAS-410A	60	128	8.43	45	55	282	350	208/3	5475	

WITH THE FOLLOWING: MINIMUM LOAD CONTROL, LOW AMBIENT CONTROL,
GPI CONVENIENCE OUTLET, SUCTION ISOLATION VALVES, ENERGY
CONTROL MODULE, DATA LINK, PUMP SUCTION.

CHILLER PUMP SCHEDULE

(150 PSI MAX. WORKING PRESSURE)

UNIT No.	SERVICE	LOCATION	PUMP DATA			MOTOR			MANUFACTURER	REMARKS
			GPM	TOT. HD.	MODEL	RPM	HP	V/PH/Hz		
P-1	CHILLED WATER CIRC.	BUILT-IN W/CHILLER	150	50	4382-3X3X8-5 HP	1800	5	208/3/60	ARMSTRONG	DUAL TYPE, 40% SLICOL

- ALL PUMP MOTORS SHALL BE PREMIUM EFFICIENCY
- PART OF CHILLER PACKAGE PRE PIPED

INLINE PUMP SCHEDULE

(150 PSI MAX. WORKING PRESSURE)

UNIT No.	SERVICE	LOCATION	PUMP DATA				MOTOR				MANUFACTURER	REMARKS
			GPM	TOT. HD.	IMP. DIA (IN)	MODEL	SIZE	RPM	HP	V/PH/Hz		
HWP-142	HOT WATER HEATING	ROOF	30	45	6.5	SERIES 60	1-1/2X7	1800	2	208/3/60	BELL & GOSSETT	

- ALL PUMP MOTORS SHALL BE PREMIUM EFFICIENCY
- HWP-1 LEAD, HWP-2 LAG

ELECTRIC HEATERS SCHEDULE

UNIT NO.	LOCATION	MODEL NO.	INPUT WATTS	ELECT. VOLTS/ PH	MANUFACTURER	REMARKS
EBH	SECOND FLOOR	CK 15E	1500	120/1	STIEBEL-ELTRON	SEE NOTE 1

NOTES

- EBH SHALL BE PROVIDED W/INTEGRAL THERMOSTAT, OVERHEAT PROTECTION,
TEMPERATURE CONTROL, TAMPER-RESISTANT TWO POSITION SELECTOR SWITCH,
DISC SWITCH, TIME DELAY FAN SWITCH, PERMANENT FILTER.
- ALL HEATERS SHALL BE INSTALLED IN ACCORDANCE WITH
MANUFACTURER REQUIREMENTS.

AIR OUTLETS AND INLETS

DESIGNATION	SERVICE	SPECIFICATION TYPE	MAX CFM	FACE SIZE	STANDARD MTR. TTUS	
					MODEL NO.	REMARKS
TG	EXHAUST	STEEL	50-100	6X6	550RL	SEE NOTES
TR	SUPPLY	STEEL	SEE DWS.	SEE DWS.	300RS	SEE NOTES
CD	SUPPLY	STEEL	SEE DWS.	SEE DWS.	TMSA	SEE NOTES
CR	EXHAUST	STEEL	SEE DWS.	SEE DWS.	550RL	SEE NOTES

NOTES

- ARCHITECT TO VERIFY COLOR.
- COORDINATE DIFFUSER, GRILLE AND REGISTER BORDER TYPE WITH LATEST ARCH.
CELLING/MALL TYPE TO INSURE MOUNTING COMPATIBILITY.

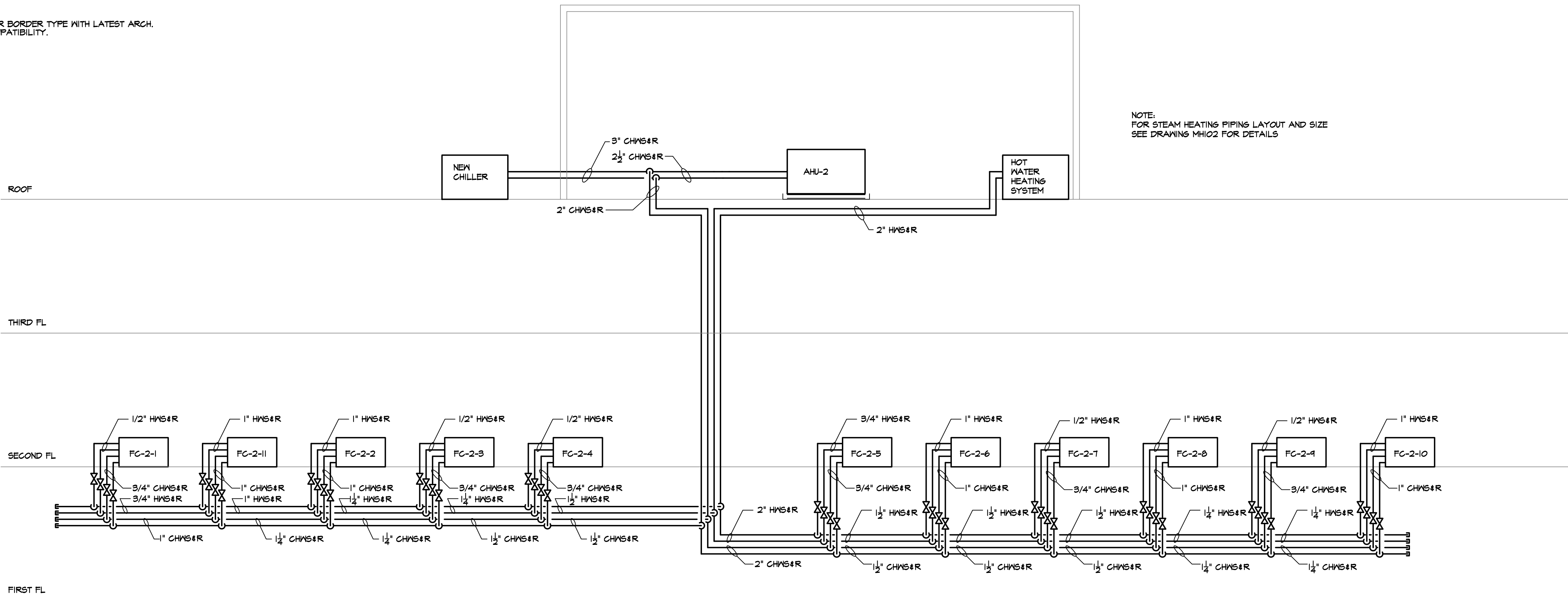
FAN SCHEDULE

(BASED ON COOK)

UNIT NO.	SERVICE	TYPE	MODEL	CFM	TOTAL SP.	HP	ELEC. DATA	REMARKS
TE-1, 2 & 3	TOILET EXH.	CLS	6C-144	75	6.25	75 WATTS	120-1-60	SWITCH
EF-1	JANITOR CL.	CLS	6C-144	75	6.25	75 WATTS	120-1-60	SWITCH
EF-2	DARK RM.	ROOF	60 ACEB	120	6.25	1/6	120-1-60	INTERLOCK W/AHU-4
EF-3	PANORAMIC	ROOF	60 ACEB	120	6.25	1/6	120-1-60	INTERLOCK W/AHU-4
EF-4	RESIN/CAST.	ROOF	60 ACEB	120	6.25	1/6	120-1-60	INTERLOCK W/AHU-4
EF-5	LAB	ROOF	100 ACEB	640	6.25	1/6	120-1-60	INTERLOCK W/AHU-5
EF-6	OPER/OFFICES	ROOF	150 ACEB	2480	6.25	3/4	208-3-60	INTERLOCK W/AHU-4

PROVIDE:

- BACKDRAFT DAMPERS FOR ALL UNLESS OTHERWISE NOTED
- MOTORIZED DAMPER FOR EF-5&EF-6



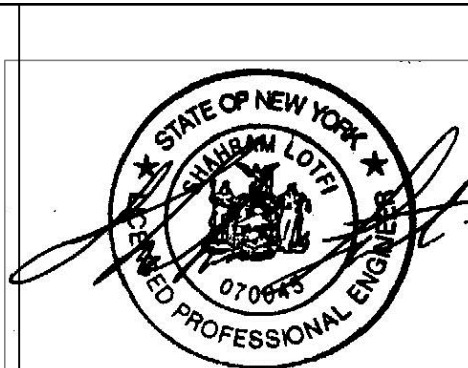
NOTE:
FOR STEAM HEATING PIPING LAYOUT AND SIZE
SEE DRAWING MH602 FOR DETAILS

EMTG
Consulting Engineers

EMTGENGINEERS.COM

TEL: 212-268-6465 FAX: 212-268-6467

115 WEST 30TH STREET, SUITE 202, NEW YORK, NY 10001



Revisions
VA FORM 08-6231, DEC 1989

Date

KIR
KENNETH IRVING, ARCHITECT P.C.

42 MEMORIAL PLAZA, SUITE 301, PLEASANTVILLE, NY 10570

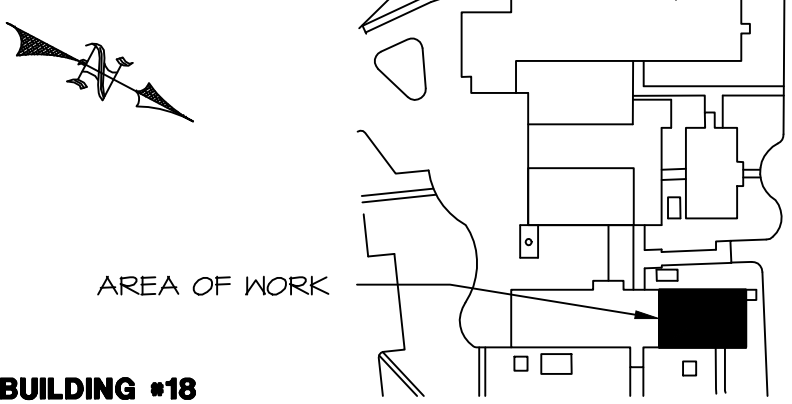
PHONE: (914) 747-0002 E-MAIL: kmendrade@kierch.com FAX: (914) 747-9211

NOTE AND READ CAREFULLY:

The Contractor shall consult and study the requirements of each and every drawing and each specification section of this contract so that he/she may become acquainted with the project as a whole in order to determine how the work of his/hers subcontractor or vendor may affect the work required under this contract.

Written Specifications are part of this contract

KEY PLAN



Drawing Title HVAC SCHEDULES	Approved: Division Chief	Approved: Service Director
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Project Title Renovation to Dental Clinic Building 18 Healthcare System Castle Point, New York	Building Number 18	Checked SL	Drawn WS/DH
Location Castle Point, New York			

Date 4/23/2012	Project No. 620-A409-110
DRAWING NO. MH600	Dwg.470f 52

