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Professional Seal

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**FIRST AND SECOND FLOOR PLANS**

Job No.	2020-1051	Date	01/14/2021
Scale	AS NOTED	Drawn / Checked	BGA/BGA
Sheet Number	<b>H201</b>		

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

SCHEDULE OF EXISTING WATER SOURCE HEAT PUMP UNITS														
MARK	MODEL No. ①	TYPE	LOCATION	SUPPLY CFM	O.A. CFM	EXT. S.P.	WATER GPM	COOLING ②		HEATING ③		ELECTRICAL DATA		REMARKS
								TOTAL CAP. (MBH)	SENSIBLE (MBH)	TOTAL CAP. (MBH)	MCA	MOCP	ELECTRIC SERVICE	
(H/19/21)	-	HORIZONTAL	CEILING	850	350	0.4	4.5	24.8	18.3	20.0	13.0	20	208/1/60	③

**NOTES**  
 ① AS MANUFACTURED BY "WATER FURNACE".  
 ② SCHEDULED EER'S AND COP'S ARE AT THE CONDITIONS INDICATED (I.E. 80°F EWT SUMMER AND 30°F EWT WINTER).  
 ③ PERFORMANCE BASED ON 20% ENVRONOL 200 GLYCOL SOURCE FLUID.

SCHEDULE OF EXISTING ENERGY RECOVERY UNITS													
GENERAL DATA				SUPPLY FAN DATA			RETURN-EXHAUST FAN			ELECTRICAL DATA			REMARKS
MARK	SERVICE	LOCATION	OUTSIDE AIR CFM	MODEL No. ①	CFM	EXT. S.P. IN WG	MOTOR HP	CFM MIN/MAX	EXT. S.P. IN WG	MOTOR HP	MCA	ELECTRIC SERVICE	
(H/19/21)	TOILETS/CORRIDORS	ROOF	2000	-	2000	0.4	1.5	2000	0.4	1.5	23	208/1/60	③④

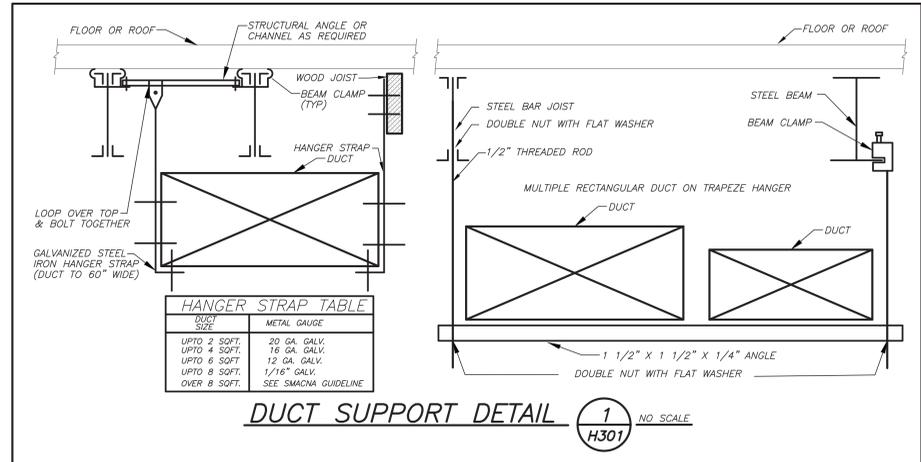
**NOTES**  
 ① AS MANUFACTURED BY "VENMAR"      ② DESIGN AIR CONDITIONS: SUMMER OA (85°F/75°F) RA (75°F/63°F)  
 ③ BASED ON A.R.I. CERTIFIED COIL SELECTIONS.  
 ④ BASED ON HOT WATER SUPPLY TEMPERATURE OF 160°F AND RETURN TEMPERATURE OF 140°F.      WINTER OA (6°F) RA (70°F/33°F)

SCHEDULE OF REGISTERS AND DIFFUSERS							
MARK	TYPE	SERVICE	MODEL No. ①	DIRECTION DISCHARGE	DAMPER TYPE	FINISH	REMARKS
(A)	CEILING DIFFUSER	SUPPLY	EPL/E-1	4-WAY	OPPOSED BLADE	PER ARCH.	REFER TO ②③④⑤
(B)	CEILING REGISTER	RETURN	30/S/45	-	-	-	REFER TO ②③④⑤⑦
(X)	EXISTING OUTLET	-	-	-	-	-	-

**NOTES**  
 ① AS MANUFACTURED BY "ANEMOSTAT".  
 ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.  
 ③ 45 DEGREES DEFLECTION TOWARD WALL/FLOOR.  
 ④ PROVIDE CABLE OPERATED DAMPER WHERE NOT ACCESSIBLE.  
 ⑤ PROVIDE BLANK-OFF BAFFLES, VOLUME DAMPER, EQUALIZING GRID AND MOLDED INSULATION BLANKET.

SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 500 fpm)				RETURN NECK SIZE PER CFM RANGE (NOT TO EXCEED 675 fpm)			
TO	FROM	TO	FROM	TO	FROM	TO	FROM
50	100	300	500	800	1200	1500	2000
100	300	500	800	1200	1500	2000	2500
150	300	500	800	1200	1500	2000	2500
200	300	500	800	1200	1500	2000	2500
250	300	500	800	1200	1500	2000	2500
300	300	500	800	1200	1500	2000	2500
350	300	500	800	1200	1500	2000	2500
400	300	500	800	1200	1500	2000	2500
450	300	500	800	1200	1500	2000	2500
500	300	500	800	1200	1500	2000	2500
550	300	500	800	1200	1500	2000	2500
600	300	500	800	1200	1500	2000	2500
650	300	500	800	1200	1500	2000	2500
700	300	500	800	1200	1500	2000	2500
750	300	500	800	1200	1500	2000	2500
800	300	500	800	1200	1500	2000	2500
850	300	500	800	1200	1500	2000	2500
900	300	500	800	1200	1500	2000	2500
950	300	500	800	1200	1500	2000	2500
1000	300	500	800	1200	1500	2000	2500
1050	300	500	800	1200	1500	2000	2500
1100	300	500	800	1200	1500	2000	2500
1150	300	500	800	1200	1500	2000	2500
1200	300	500	800	1200	1500	2000	2500
1250	300	500	800	1200	1500	2000	2500
1300	300	500	800	1200	1500	2000	2500
1350	300	500	800	1200	1500	2000	2500
1400	300	500	800	1200	1500	2000	2500
1450	300	500	800	1200	1500	2000	2500
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1550	300	500	800	1200	1500	2000	2500
1600	300	500	800	1200	1500	2000	2500
1650	300	500	800	1200	1500	2000	2500
1700	300	500	800	1200	1500	2000	2500
1750	300	500	800	1200	1500	2000	2500
1800	300	500	800	1200	1500	2000	2500
1850	300	500	800	1200	1500	2000	2500
1900	300	500	800	1200	1500	2000	2500
1950	300	500	800	1200	1500	2000	2500
2000	300	500	800	1200	1500	2000	2500

SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES - Middle School - First Floor											
ROOM NAME/NUMBER	OCCUPANCY CATEGORY	A	B	C	D	E	F	G	H	I	MINIMUM EXHAUST AIR FLOW RATE A+E+C+F
		ROOM AREA (SQ.FT.)	PEOPLE DENSITY (PP/1000 SQ.FT.)	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	NUMBER OF PEOPLE (A+B)+1000#P	OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F+C)(A+D)=CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	MINIMUM ROOM VENTILATION AIR FLOW RATE G+H=CFM	
Boys Toilet198	BATHROOM	130	-	-	-	-	-	-	-	-	150
Toilet198A	BATHROOM	20	-	-	-	-	-	-	-	-	50
Girls Toilet199	BATHROOM	125	-	-	-	-	-	-	-	-	150
Toilet199A	BATHROOM	20	-	-	-	-	-	-	-	-	50
Boys Toilet298	BATHROOM	150	-	-	-	-	-	-	-	-	200
Girls Toilet299	BATHROOM	125	-	-	-	-	-	-	-	-	150
Toilet299A	BATHROOM	20	-	-	-	-	-	-	-	-	50



**PUTNAM VALLEY MIDDLE SCHOOL TOILET ROOM ALTERATIONS**  
 2018 CAPITAL PROJECTS PHASE 3  
 142 PEEKSKILL HOLLOW RD, PUTNAM VALLEY, NY 10579

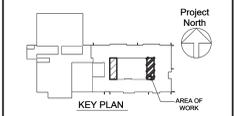
**KG+D** listen imagine build  
 KG+D . ARCHITECTS PC  
 385 MAIN STREET MOUNT KISCO, NEW YORK 10549  
 P:914.666.5900 KGDARCHITECTS.COM

**bga**  
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NY SED PROJECT CONTROL NO.  
**48-05-03-04-0-004-016**

CONSTRUCTION DOCUMENTS



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No.	Date	Issue
1	11/19/21	CONSTRUCTION DOCUMENTS P3

Sheet Title	
<b>SCHEDULES AND DETAILS</b>	
Job No.	Date
2020-1051	01/14/2021
Scale	Drawn / Checked
AS NOTED	BGA/BGA
Sheet Number	<b>H301</b>

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