

PROPANE GAS FIRED MAKEUP AIR UNIT SCHEDULE

MARK No.	CFM	MIN. O.A.	SUPPLY HP	ESP IN.	HEATING MBH INPUT	HEATING MBH OUTPUT	EAT/LAT (F)	ELECTRIC DATA VOLTS/PH/Hz	MCA	MOP	A.F.U.E. %	LP GAS PRESS. MAX/MIN W.C.	UNIT WEIGHT (LBS)	MODEL & MANUFACTURER	REMARKS
MAU-1	2,280	2,280	1.5	0.75	250	200	7 / 87.5	208/3/60	9.6	15	81	14"10"	890	IGX-109-H12J GREENHECK	INDIRECT GAS FURNACE, SUSPENDED W/ SPRING VIBRATION ISOLATORS, S.S. HEAT EXCHANGER, SMOKE DETECTOR, FILTER RACK, 13:1 TURNDOWN MODULATION, PRESSURE REGULATOR, VALVES, NEMA 3R DISCONNECT SWITCH, THERMOSTAT, THERMOSTAT W/ LOCKING COVER. INTERLOCK UNIT W/ EF-1

ELECTRIC RESISTANCE CABINET/UNIT HEATER SCHEDULE (TRANE AS STANDARD)

TAG No.	LOCATION	SA (CFM)	HEATING KW	HEATING MBH	ELECTRIC DATA VOLT/PH/Hz	MODEL & MANUFACTURER	WEIGHT (LBS)	DIMENSIONS (W x H x D) (IN.)	REMARKS
ECH-1	VESTIBULE/ENTRANCE	175	2.0	6.8	208/1/60	UHAA-021ATAD TRANE	27	14 x 19 x 4	WALL-RECESSED CABINET HEATER. SEE NOTES.

NOTES:
 1. PROVIDE HEAVY-DUTY LOUVERED GRILLE, BUILT-IN TAMPER RESISTANT THERMOSTAT & DISCONNECT SWITCH & FAN DELAY SWITCH FOR ECH-1.
 2. PROVIDE W/ DOUBLE POLE LINE BREAK THERMOSTAT WITH OFF OPTION.
 3. ECH-1 UNIT COLOR TO BE SELECTED BY OWNER.
 4. PROVIDE DDC CONTROLS & CONNECT TO NEW BMS.

EXHAUST FAN SCHEDULE (GREENHECK AS STANDARD)

TAG No.	SYSTEM SERVED	LOCATION	CFM	STATIC PRESSURE LOSS (IN)	BHP	MHP	RPM	ELECTRIC DATA VOLT/PH/Hz	DIMENSIONS (DIA. x H) (IN)	APPROX. UNIT WEIGHT (LBS)	MODEL & MANUFACTURER	INLET SONES	REMARKS
EF-1	MAINT. SHOP	WALL	2,280	0.52	0.54	3/4	1200	208/1/60	30 X 30	200	SBE-1H20-7 GREENHECK	21	NOTES 1,2,3,4 & 9.
EF-2	BATH/JAN./STORAGE	PLENUM	180	0.2	0.03	1/30	1550	120/1/60	12Wx13Lx12H	30	SQ-70-VG GREENHECK	1.9	NOTES 4,5,6,7, & 8.

NOTES:
 1. PROVIDE SHORT WALL HOUSING W/ OSHA PROTECTIVE GUARD.
 2. PROVIDE 90 DEGREE WEATHER HOOD W/ 0.5 WELDED WIRE BIRDSCREEN.
 3. FAN SHALL INTERLOCK WITH MAU-1.
 4. PROVIDE SWITCH NEMA1, TOGGLE, & JUNCTION BOX.
 5. PROVIDE FAN WITH BACK-DRAFT DAMPER.
 6. PROVIDE HANGING ISOLATORS.
 7. PROVIDE SPEED CONTROLLER (PSC).
 8. FAN TO RUN CONTINUOUSLY AND CONTROLLED BY A SWITCH LOCATED IN JANITOR'S CLOSET.
 9. THIS FAN IS INCLUDED IN THE BASE BID.

VENTILATION SCHEDULE

Room Name	Floor Area (Sq. Ft.)	Required O.A. per Sq. Ft.	Required O.A. For Space	No. of People	Required O.A. per Person	Required OA For Occupants	Total Min. O.A. Required (CFM)	Zone Air Distribution Effectiveness	Zone Min. O.A. Required (CFM)	Design		Remarks
										O.A. (CFM)	E.A. (CFM)	
MAINTENANCE SHOP	3,020	-	-	-	-	-	-	-	-	2,280	2,280	0.75/SF
BREAK ROOM	357	0.06	21	8	5	40	60	0.8	77	80		
BATHROOM	95	-	-	-	-	-	-	-	-	100		50CFM/FIXT.
JANITOR'S CLOSET	45	-	-	-	-	-	-	-	-	50		
PAPER STORAGE	395	0.06	24	-	-	24	24	0.8	30	30		
TOTAL	3,913		45	8		40	85			2,390	2,460	

ELECTRIC BASEBOARD SCHEDULE

MARK No.	WATTS	LENGTH	ELECTRIC DATA VOLT - PH - Hz	MODEL & MANUFACTURER	REMARKS
BB-1	2500	8'-0"	208-1-60	QMKC25408W QMARK	FLOOR MOUNTED W/ FRONT & BACK ENCLOSURE PANELS & WALL MOUNTED THERMOSTAT.
BB-2	1000	4'-0"	120-1-60	QMKC2514W QMARK	FLOOR MOUNTED W/ FRONT & BACK ENCLOSURE PANELS & WALL MOUNTED THERMOSTAT.

NOTE: BB-1 AND BB2 ARE TO BE INCLUDED IN ADD ALTERNATE #1. SEE SPECIFICATION SECTION 012300 FOR ADDITIONAL INFORMATION.

DUCTLESS SPLIT INDOOR AC/HEAT PUMP UNIT SCHEDULE (DAIKIN AS STANDARD)

TAG No.	AREA SERVED	AIR FLOW (CFM)	COOLING		HEATING	MODEL & MANUFACTURER	ELECTRIC DATA		REFRIGERANT TYPE	APPROX DIMENSION L x W x H (IN)	APPROX WEIGHT (LBS)	REMARKS	
			TBMH	SBMH	MBH		VOLT/PH/Hz	MCA					MOP
AC-1	BREAK ROOM	1,180	34	29.6	41.5	FTFQ36PVJU DAIKIN	208/1/60	1.4	15	R-410A	33 X 33 X 11	66	CLG.-RECESSED HEAT PUMP UNIT. SEE NOTES.
AC-2	PAPER STORAGE	280	8.9	8	11.1	FXAQ09PVJU DAIKIN	208/1/60	0.3	15	R-410A	31 X 9 X 11	27	WALL MOUNTED HEAT PUMP UNIT. SEE NOTES.

NOTES:
 1. PROVIDE W/ WALL-MOUNTING PLATE. REMOTE CONTROLLER FOR EACH UNIT.
 2. PROVIDE CONDENSATE PUMP. PUMP TO BE POWERED BY AC UNIT.
 3. PROVIDE AC-1 & AC-2 W/ FAN FRESH AIR KIT. FAN TO BE POWERED BY AC UNIT.
 4. PROVIDE PROPER REFRIGERANT CHARGING FOR ALL UNITS.
 5. AC-1 & AC-2 ARE INCLUDED IN ADD ALTERNATE #1 - REFER TO SPECIFICATION SECTION 012300.

OUTDOOR AIR-COOLED CONDENSING UNIT SCHEDULE (DAIKIN AS STANDARD)

TAG No.	LOCATION	UNIT SERVED	COOLING OPERATING TEMP (F)	HEATING OPERATING TEMP (F)	NOMINAL COOLING (MBH)	NOMINAL HEATING (MBH)	MODEL & MANUFACTURER	ELECTRICAL VOLT/PH/Hz	COMPRESSOR NO.	COND FAN NO.	MCA	MOP	REFRIGERANT TYPE	APPROX DIMENSIONS W x D x H (IN)	APPROX WEIGHT (LBS)	SEER	REMARKS
ACCU-1	GROUND	AC-1&2	14 TO 115	5 TO 60	40.3	37.5	RXTQ36TAVJ9 DAIKIN	208/1/60	1	1	16.5	25	R-410A	37 x 12 x 40	175	18	SEE NOTES

NOTES:
 1. ELECTRICAL SUBCONTRACTOR SHALL FURNISH & INSTALL NEMA 3R DISCONNECT SWITCH & GFI CONVENIENCE OUTLET FOR EACH UNIT. REFER TO ELECTRICAL DRAWINGS.
 2. PROVIDE W/ LOW AMBIENT CONTROL FOR ACCU-1
 3. PROVIDE UNIT W/ WIND BAFFLE.
 4. ACCU-1 IS INCLUDED IN ADD ALTERNATE #1. REFER TO SPECIFICATION SECTION 012300 FOR ADDITIONAL INFORMATION.

MICHAEL J. MCGOVERN, P.A.
 LICENSE NO. 022257-1
 THE REGISTERED ARCHITECT

Revisions:

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT IS A VIOLATION OF SECTION 2209 OF THE NEW YORK STATE EDUCATION LAW. THESE DOCUMENTS REMAIN THE EXCLUSIVE PROPERTY OF THE ENGINEER, AND MAY NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

LAN ASSOCIATES
 engineering • planning • architecture • surveying
 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)615-0350

SED PROJECT #66-08-01-06-3-012-001

MECHANICAL SCHEDULES
 NEW MAINTENANCE BUILDING
 MOUNT PLEASANT CENTRAL SCHOOL DISTRICT
 825 WESTLAKE DRIVE
 THORNWOOD, NY 10594

Job No. 4.1449.02
 File No. 4144902M001

M6.01