VENTILATION SCHEDULE

Unit Served	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 O.A. (CFM)	Design E.A. (CFM)	Remarks
(E) AH	103 ADULT LIBRARY (SOUTH-WING)	958	0.06	57.5	11	5	55	112	0.80	141	145		
RTU-1	103 ADULT LIBRARY (NORTH-WING)	1,186	0.06	71.2	10	5	50	121	0.80	151	155		
RTU-1	103 ADULT LIBRARY (MID-SECTION)	1,237	0.06	74.2	10	5	50	124	0.80	155	155		
(E) AH	104 FOYER	91	0.06	5.5	0	0	0	5	0.80	7	10		NOT SERVING
AH-1	105 VESTIBULE	172	0.06	10.3	0	0	0	10	0.80	13	15		
AH-1	107 TOILET ROOM	80	0	0	0	0	0	-	0	0	-	50	50 CFM PER W.C.
AH-1	108 MEDIA 2	382	0.06	22.9	7	5	35	58	0.80	72	75		
AH-1	109 STORAGE	140	0.12	16.8	0	0	0	17	0.80	21	25		
AH-1	110 VESTIBULE	39	0.06	2.3	0	0	0	2	0	0	0		NOT SERVING
AH-1	111 OFFICE	129	0.06	7.7	2	5	10	18	0.80	22	25		
AH-1	112 STAFF WORKROOM	281	0.06	16.9	3	5	15	32	0.80	40	40		
AH-1	113 TOILET ROOM	75	0	0	0	0	0	-	0	0	0	50	
AH-1	114 TOILET ROOM	26	0	0	0	0	0	-	0	0	0	50	
AH-2	115 YOUNG ADULT	300	0.12	36.0	15	5	75	111	0.80	139	140		
AH-2	116 CHILDRENS LIBRARY	979	0.12	117.5	10	5	50	167	0.80	209	210		
AH-2	A117 JANITOR CLOSET	32	1.00	32	0	0	0	32	0	32	35		
AH-2	A118 FAMILY TOILET	87	0	0	0	0	0	-	0	0	-	100	
AH-3	119 VESTIBULE	120	0.06	7.2	0	0	0	7	0.80	9	10		
(E)AH/DOAS-1	120 PROGRAM ROOM	1,335	0.06	80.1	90	5	450	530	0.80	663	1,200		
AH-3	121 TOILET ROOM	45	0	0	0	0	0	-	0	0	-	50	
AH-3	122 PANTRY	59	0.3	17.7	0	0	0	18	0.80	22		400	0.3 CFM/FT² KITCHENETTES, 400 CFM KITCHEN HOOD
AH-3	123 CONFERENCE ROOM	117	0.06	7.0	8	5	40	47	0.80	59	60		
AH-3	125 DIRECTORS OFFICE	183	0.06	11.0	1	5	5	16	0.80	20	20		
AC-1	126 MDF	21	0	0	0	0	0	0	0	0	0		
	TOTAL	**8,074**		**594**	**167**		**835**	**1,429**		**1,775.1**	**2,320**	**700**	

Shaded Area Not In Contract

Phase #2 - Base Bid Work

Shaded Area Not In Contract

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AIR HANDLER UNIT SCHEDULE

MARK No.	CFM	MIN. O.A. CFM	SUPPLY HP	ESP IN.	COOLING TMBH	COOLING SMBH	EER	MBH	HEATING AFUE	HEATING NG PRESS	ELECTRIC DATA VOLT - PH - HZ	MODEL & MANUFACTURER		REMARKS
AH-1	1400	190	1	0.7	55.5	38.3	11.7	110	80	7"	208 - 3 - 60	CH33-50	LENNOX	PROVIDE FILTER, DX COOLING COIL, NAT. GAS FURNACE AND DISCONNECT SWITCH.
AH-2	2000	385	1/2	0.7	55.5	54.5	11.2	110	80	7"	208 - 3 - 60	CX35-60	LENNOX	PROVIDE FILTER, DX COOLING COIL, DISCONNECT SWITCH, SMOKE DETECTOR, NAT. GAS FURNACE, ECONOMIZER W/ ENTHALPY CONTROL, CO2 DEMAND CONTROLLED VENTILATION TO VARY O.A. TO MAINTAIN CONSTANT DIFFERENTIAL OF 600 PPM (ADJUSTABLE) BETWEEN RETURN AIR & OUTDOOR AIR.
AH-3	810	90	1	0.7	21.6	17.5	11.2	80	80	7"	208 - 3 - 60	CH35-30	LENNOX	PROVIDE FILTER, DX COOLING COIL, NAT. GAS FURNACE AND DISCONNECT SWITCH.

AIR-COOLED CONDENSING UNIT SCHEDULE

MARK No.	AMBIENT TEMP.	SUCTION TEMP.	COOLING MBH	ELECTRIC DATA VOLT - PH - HZ	COMPRES. NO.	COMPRES. RLA	COND./FAN NO.	COND./FAN MOTOR	MCA	MOP	MODEL & MANUFACTURER		REMARKS
ACC-1	95°F	45°F	55.5	208 - 3 - 60	1	–	1	–	22.4A	35A	SSB060HE	LENNOX	LOW AMBIENT CONTROL, DISCONNECT SWITCH, & HOT-GAS BYPASS
ACC-2	95°F	45°F	55.5	208 - 3 - 60	2	-	2	-	30.5A	50A	GSX13060	LENNOX	LOW AMBIENT CONTROL, DISCONNECT SWITCH & HOT-GAS BYPASS
ACC-3	95°F	45°F	21.6	208 - 3 - 60	1	-	1	-	16.2A	25A	SSB036H4	LENNOX	LOW AMBIENT CONTROL, DISCONNECT SWITCH & HOT-GAS BYPASS

INDOOR VRF AC TERMINAL UNIT SCHEDULE

(DAIKIN AS STANDARD)

TAG	AREA SERVED	LOW-HIGH (CFM)	COOLING TMBH	COOLING EADB	COOLING EAWB	SEER/ EER	REFRIG TYPE	PIPE CONNECTIONS (In.) RS	PIPE CONNECTIONS (In.) RL	PIPE CONNECTIONS (In.) COND.	ELECTRICAL DATA V - Ph - Hz	ELECTRICAL DATA MCA	ELECTRICAL DATA MOP	DIMENSIONS (L x W x H) (In.)	APPROX. WEIGHT (Lbs)	MODEL	MANUFACTERER	NOTES
AC-1	IT ROOM	727-890	31.4	80	67	17.5/10	R-410A	5/8	1/4	5/8	208-230/60/1	0.37	15	47 x 13 x 10	40	FTX30NVJU	DAIKIN	SEE NOTE(S) BELOW

NOTES:
1. AC-1 WALL MOUNTED UNIT SHALL BE PROVIDED A CONDENSATE LIFT PUMP FROM THE UNIT MANUFACTURER AND FIELD INSTALLED.
2. PROVIDE W/ WALL-MOUNTED REMOTE CONTROLLER
3. PROVIDE W/ PROPER REFRIGERANT CHARGE TO THE SYSTEM.

OUTDOOR AIR-COOLED CONDENSING UNIT SCHEDULE

(DAIKIN AS STANDARD)

MARK No.	LOCATION	UNIT(S) SERVED	COOLING (TMBH)	AMBIENT TEMP. (°F)	SUCTION TEMP. (°F)	ELECTRICAL V	ELECTRICAL PH	ELECTRICAL HZ	ELECTRICAL MCA	ELECTRICAL MOP	MODEL & MANUFACTURER	APPROX. (LBS)	UNIT DIM. H x W x D (IN)	EER	IEER	REMARKS
ACC-IT	ROOF	AC - 1	31.4	95	45	208-230	1	60	17	20	DAIKIN RK20NMVJU	135	28-15/16 x 34-1/4 x 12-5/8	10	17.5	PROVIDE LOW TEMP KIT, 0°F LOW AMBIENT WIND BAFFLE, DISCONNECT SWITCH, GFI CONVENIENCE OUTLET.

EXHAUST FAN SCHEDULE

MARK No.	CFM	S.P. IN.	HP(Watts)	RPM	ELECTRIC DATA VOLT - PH - HZ	MODEL & MANUFACTURER		REMARKS
EF-1	325	1/2	1/4	1230	115-1-60	GB-80	GREENHECK	W/ CURB ADAPTER, VIBRATION ISOLATOR, SCREEN, BACKDRAFT DAMPER & DISCONNECT SWITCH.
EF-2	65	1/4	(54.3)	900	115-1-60	SP-B80	GREENHECK	W/ LIGHT, CEILING RADIATOR DAMPER, BACKDRAFT DAMPER.

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DEDICATED OUTSIDE AIR SYSTEM W/ HEAT RECOVERY SCHEDULE

(TRANE AS STANDARD)

UNIT No.	EQUIP. SERVED	MFG'R.	MODEL No.	SA (CFM)	E.S.P.	EXHAUST AIR (CFM)	E.S.P.	GROSS COOLING CAPACITY MBH	GROSS SENSIBLE CAPACITY MBH	NET TOTAL CAPACITY MBH	NET SENSIBLE CAPACITY MBH	EAT DB°F/ WB°F/	LAT DB°F/ WB°F/	LAT DB°F/ WB°F/ (REHEAT)	ARI EER	REFRIG. TYPE	HEATING TYPE	INPUT HEATING CAPACITY MBH	OUTPUT HEATING CAPACITY MBH	EAT °F	LAT °F	HEATING STAGES	AFUE	GAS PRESSURE MIN. - MAX. INCHES W.C.	ENERGY RECOVERY WHEEL SUMMER TOTAL CAP. MBH	ENERGY RECOVERY WHEEL SUMMER SENSIBLE CAP. MBH	ENERGY RECOVERY WHEEL SUMMER LATENT CAP. MBH	ENERGY RECOVERY WHEEL WINTER TOTAL CAP. MBH	ENERGY RECOVERY WHEEL WINTER SENSIBLE CAP. MBH	ENERGY RECOVERY WHEEL WINTER LATENT CAP. MBH	APPROX. UNIT WT. (LBS)	UNIT DIMENSIONS (LxWxH) (IN.)	ELECTRICAL V/PH/HZ	ELECTRICAL MCA	ELECTRICAL MOP	REMARKS
DOAS-1	PRGM.RM	TRANE	0ABD048A3	1200	1.0	1200	1.0	50.5	33.5	48.2	31.2	79.2/67	53.9/53.2	81/64	20.3	R-410A	NAT. GAS	150	120	62.2	154	MODULATING	80	7" TO 14"	51.04	22.07	22.07	57.67	37.98	19.69	2,100	161 x 52 x 55	208/3/60	38.5	50	SEE NOTES

NOTES:
1. PROVIDE FACTORY DOWN/HORIZONTAL DISCHARGE FOR BOTH SUPPLY AND RETURN OPENINGS.
2. UNIT TO BE PAINTED GALVANIZED STEEL W/ 2" THICK ANTIMICROBIAL INSULATION.
3. ALL MOTORS SHALL BE PREMIUM EFFICIENCY TYPE.
4. UNIT TO BE PROVIDED W/ EXTRA SET OF FILTERS 2" MERV 8
5. PROVIDE MODULATING HOT GAS BYPASS HGP
6. STAINLESS STEEL FURNACE 150 MBH 10:1 TURNDOWN MODULATION.
7. PROVIDE UNIT CONTROL TRANE UC600 SINGLE ZONE VAV CONTROL W/BACCNET.
8. PROVIDE POWER EXHAUST
9. PROVIDE NIN-FUSED DISCONNECT SWITCH.
10. PROVIDE 18" ROOF CURB.
11. PROVIDE CONDENSER HAILGUARD

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PACKAGED DX GAS FIRED AIR CONDITIONING UNIT SCHEDULE

TAG No.	CFM	MIN. O.A.	SUPPLY BHP	SUPPLY HP	ESP IN.	COOLING TMBH	COOLING SMBH	HEATING MBH	GAS FLOW RATE (CFH)	GAS PRESSURE IN. WC	ELECTRIC DATA VOLT - PH - HZ	COMPRESSOR No.	COMPRESSOR RLA	COND. FAN No.	COND. FAN HP	MODEL & MANUFACTURER		UNIT MCA	UNIT MOP	REMARKS
RTU-1	4000	310	2.7	3.0	1.0	124	89	180	180	7	208 - 3 - 60	1	32.0	2	2.4 EA	LGH120H4M	LENNOX	52	60	W/ ECONOMIZER, BAROMETRIC RELIEF DAMPER, SMOKE DETECTOR, CONDENSER COIL GUARDS, NON-FUSED DISCONNECT SWITCH, GFI CONVENIENCE OUTLET, ROOM THERMOSTAT.

Phase #2 - Base Bid Work

MICHAEL J. McGOVERN, R.A.
Title REGISTERED ARCHITECT License No. 022257-1

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

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