

VRF FAN COIL SCHEDULE															
TAG	SERVICE	MANUF.	MODEL NO.	TYPE	CFM	EXT. S.P. (IN. W.C.)	NOMINAL TONS	RATED CAPACITY			ELECTRIC		WEIGHT (LBS.)	REMARKS	TAG
								COOLING		HEATING (MBH)	AMPS	SYSTEM			
								TOTAL (MBH)	SENSIBLE (MBH)						
VRF-1-1	114 COMMUNITY ROOM	LENNOX	VMDB036H4-3P	DUCTED	1,200	0.60	3.0	31,353	21,724	35,595	5.0	208/1/60	124	SEE NOTES	CU-1
VRF-1-2	114 COMMUNITY ROOM	LENNOX	VMDB048H4-3P	DUCTED	1,370	0.60	4.0	41,804	28,966	45,764	5.0	208/1/60	124	SEE NOTES	
VRF-1-3	120 CHEIF'S OFFICE	LENNOX	VMDB007H4-3P	DUCTED	220	0.32	0.5	6,096	4,224	6,780	1.25	208/1/60	51	SEE NOTES	
VRF-1-4	118 READY ROOM	LENNOX	VMDB015H4-3P	DUCTED	450	0.60	1.25	13,064	9,051	14,407	3.13	208/1/60	100	SEE NOTES	
VRF-1-5	122 KITCHEN	LENNOX	VVMC030H4-3P	WALL MOUNT	700	-	2.5	26,127	18,006	28,200	0.65	208/1/60	38	SEE NOTES	CU-2
VRF-2-1	219 GENERAL OFFICE	LENNOX	VMDB018H4-3P	DUCTED	480	0.6	1.5	15,677	10,862	18,343	3.13	208/1/60	100	SEE NOTES	
VRF-2-2	223 COMMON AREA	LENNOX	VMDB030H4-3P	DUCTED	780	0.60	2.5	26,127	18,104	29,698	5.0	208/1/60	100	SEE NOTES	
VRF-2-3	203 CORRIDOR	LENNOX	VHB048H4-3P	DUCTED	1,429	0.80	4.0	41,804	28,966	47,167	7.6	208/1/60	166	SEE NOTES	
VRF-2-4	200 CHIEF'S OFFICE	LENNOX	VMDB007H4-3P	DUCTED	220	0.32	0.5	6,096	4,224	6,780	1.25	208/1/60	51	SEE NOTES	

NOTES:
1. REFER TO DETAILS AND MANUF.'S RECOMMENDATION OF REFRIGERANT PIPE SIZING AND FITTINGS.
2. PROVIDE W/ CONDENSATE PUMP.
3. PROVIDE W/ 7-DAY PROGRAMMABLE THERMOSTAT.

NOTES:
1. UNIT SHALL BE MOUNTED ON PRE-FABRICATED EQUIPMENT SUPPORTS (24" HIGH EQUIPMENT RAILS) WITH NEOPRENE RUBBER ISOLATION PADS.
2. PROVIDE WITH AIR GUIDE AND HAIL GUARD KITS FOR LOW AMBIENT OPERATION.

RATED CAPACITY BASED ON:
HEATING - INDOOR: 70.0°F (DB), OUTDOOR: -4.0°F (DB) & 4.4°F (WB)
COOLING - INDOOR: 75.0°F (DB) & 62.0°F (WB), OUTDOOR: 91.0°F (DB)

HEAT RECOVERY VENTILATOR SCHEDULE																		
TAG	SERVICE	MANUF.	MODEL NO.	SUPPLY FAN		EXHAUST FAN		WEIGHT (LBS.)	SUMMER				WINTER		ELECTRIC			REMARKS
				CFM	EXT. SP. (IN. W.C.)	CFM	EXT. SP. (IN. W.C.)		EAT (DB °F)	EAT (WB °F)	LAT (DB °F)	LAT (WB °F)	EAT (DB °F)	LAT (DB °F)	MCA	MOP	SYSTEM	
HRV-1	APPARATUS BAY	RENEWAIRE	EV450JIN--S11E---GNTF--L	400	0.75	400	0.75	199	90.0	71.0	79.0	66.4	-7.0	49.3	10.1	15	120/1/60	SEE NOTES

NOTES:
1. PROVIDE W/ MERV-8 FILTERS.

EXHAUST FAN SCHEDULE											
TAG	MANUF.	MODEL NO.	TYPE	CFM	DRIVE	EXT. SP. (IN)	RPM	WEIGHT (LBS)	ELECTRIC		REMARKS
									FLA	SYSTEM	
EF-1-1	COOK	30XLPH	WALL	5800	BELT	0.40	791	301	7.8	208/3/60	SEE NOTES
EF-1-2	COOK	GCVF-180	CEILING	150	DIRECT	0.75	1349	17	1.2	115/1/60	SEE NOTES
EF-1-3	COOK	100 SQN28D060VF	IN-LINE	230	DIRECT	0.75	2611	70	4.4	115/1/60	SEE NOTES
EF-1-4	COOK	GCVF-180	CEILING	150	DIRECT	0.75	1349	17	1.2	115/1/60	SEE NOTES
EF-1-5	COOK	GCVF-700	CEILING	300	DIRECT	0.75	1498	37	4.4	115/1/60	SEE NOTES
EF-1-6	COOK	GCVF-700	CEILING	225	DIRECT	0.75	1498	37	4.4	115/1/60	SEE NOTES
EF-1-7	COOK	GCVF-700	CEILING	225	DIRECT	0.75	1498	37	4.4	115/1/60	SEE NOTES
EF-1-8	COOK	GCVF-180	CEILING	150	DIRECT	0.75	1349	17	1.2	115/1/60	SEE NOTES
EF-2-1	COOK	GCVF-180	CEILING	150	DIRECT	0.75	1349	17	1.2	115/1/60	SEE NOTES

NOTES:
1. PROVIDE WITH THE FOLLOWING OPTIONS:
- INTEGRAL BACKDRAFT DAMPER.
- WHITE ALUMINUM GRILLE (CEILING MOUNTED).
** - DAMPERS SHALL HAVE AN AIR LEAKAGE RATE OF NOT GREATER THAN 20 CFM/SQFT WHERE NOT LESS THAN 24" IN EITHER DIMENSION AND 40 CFM/SQFT WHERE LESS THAN 24" IN EITHER DIMENSION. THE RATE OF AIR LEAKAGE SHALL BE DETERMINED AT 1.0" W.C. WHEN TESTED IN ACCORDANCE WITH AMCA 500D FOR SUCH PURPOSE. THE DAMPERS SHALL BE LABELED BY AN APPROVED AGENCY.

HYDRONIC UNIT HEATER SCHEDULE													
TAG	SERVICE	MANUF.	MODEL NO.	SIZE	CFM	BTUH	GPM	EWT (°F)	LWT (°F)	WPD (FT)	ELECTRIC		REMARKS
											HP	SYSTEM	
UH-1-4	107 MECHANICAL	MODINE	HSB/HC 18L	12-3/8"(H) x 13"(W) x 11"(D)	230	8,700	1.2	180	140	0.1	1/60	120/1/60	SEE NOTES
UH-2-1	201 MEZZANINE STORAGE	MODINE	HSB/HC 18L	12-3/8"(H) x 13"(W) x 11"(D)	230	8,700	1.2	180	140	0.1	1/60	120/1/60	SEE NOTES

NOTES:
1. VERTICAL MOUNT. PROVIDE WITH WALL-MOUNTING BRACKET.
2. FURNISH WITH LINE-VOLTAGE THERMOSTAT (WALL-MOUNTED).
3. PROVIDE WITH INTEGRAL DISCONNECT.

HYDRONIC CABINET HEATER SCHEDULE															
TAG	SERVICE	MANUF.	MODEL NO.	OUTPUT (BTU/H)	MOUNTING	DEPTH (IN)	WIDTH (IN)	LENGTH (IN)	GPM	EFT (°F)	LFT (°F)	WPD (FT)	ELECTRIC		REMARKS
													MCA	SYSTEM	
CH-1-1	108 CORRIDOR	BEACON MORRIS	RC-1200-U2	16,400	CEILING RECESS	9-1/2	25	35	0.9	180	140	1.5	0.8	120/1/60	SEE NOTES
CH-1-2	126 LOBBY	BEACON MORRIS	RC-1200-U2	16,400	CEILING RECESS	9-1/2	25	35	0.9	180	140	1.5	0.8	120/1/60	SEE NOTES
CH-1-3	S1 STAIR-1	BEACON MORRIS	RC-1200-U2	16,400	WALL/RECESS	9-1/2	25	35	0.9	180	140	1.5	0.8	120/1/60	SEE NOTES
CH-1-4	S2 STAIR-2	BEACON MORRIS	RC-1200-U2	16,400	WALL/RECESS	9-1/2	25	35	0.9	180	140	1.5	0.8	120/1/60	SEE NOTES

NOTES:
1. PROVIDE DISCONNECT FOR INSTALLATION BY EC.
2. PROVIDE WITH W120 RECESSED KIT & LOW TEMP AQUASTAT.
3. SHALL BE SUITABLE FOR USE WITH PROPYLENE GLYCOL/WATER SYSTEMS.
4. PROVIDE HANGING BRACKET AND INSTALL PER MANUF'S REQUIREMENTS.

INDUSTRIAL CEILING FAN SCHEDULE									
TAG	SERVICE	MODEL NO.	SERIES	TYPE	DIAMETER	WEIGHT (LBS)	ELECTRIC		REMARKS
							HP (MOTOR)	SYSTEM	
CF-1	APPARATUS BAY	PF8-08	POWERFOIL 8	CEILING SUSPENDED	8-FEET	135	1	208/1/60	SEE NOTES
CF-2	APPARATUS BAY	PF8-08	POWERFOIL 8	CEILING SUSPENDED	8-FEET	135	1	208/1/60	SEE NOTES
CF-3	APPARATUS BAY	PF8-08	POWERFOIL 8	CEILING SUSPENDED	8-FEET	135	1	208/1/60	SEE NOTES
CF-4	APPARATUS BAY	PF8-08	POWERFOIL 8	CEILING SUSPENDED	8-FEET	135	1	208/1/60	SEE NOTES
CF-5	APPARATUS BAY	PF8-08	POWERFOIL 8	CEILING SUSPENDED	8-FEET	135	1	208/1/60	SEE NOTES
CF-6	APPARATUS BAY	PF8-08	POWERFOIL 8	CEILING SUSPENDED	8-FEET	135	1	208/1/60	SEE NOTES

BASIS OF DESIGN: BIG ASS FANS

NOTES:
1. PROVIDE WITH:
- WALL MOUNTED, CONTROLLER WITH ON/OFF AND VARIABLE SPEED CAPACITY.
NOTE: ALL (QTY: 6) CEILING FANS SHALL BE CONTROLLED VIA SINGLE SWITCH.

LOUVER SCHEDULE								
TAG	SERVICE	MANUF.	MODEL NO.	DIMENSIONS		MATERIAL	MOTORIZED DAMPER	REMARKS
				WIDTH	HEIGHT			
LV-1	106 STORAGE	NAILOR	LE-23	16"	12"	ALUMINUM	YES	SEE NOTES
LV-2	107 MECHANICAL	NAILOR	LE-23	28"	16"	ALUMINUM	YES	SEE NOTES
LV-3	105 SCBA	NAILOR	LE-23	66"	16"	ALUMINUM	YES	SEE NOTES
LV-4	HRV-1 EA	NAILOR	LE-23	16"	16"	ALUMINUM	YES	SEE NOTES
LV-5	HRV-1 OA	NAILOR	LE-23	16"	16"	ALUMINUM	YES	SEE NOTES
LV-6	100 APPARATUS BAY OA	NAILOR	LE-23	60"	60"	ALUMINUM	YES	SEE NOTES
LV-7	215 DRESS UNIFORM	NAILOR	LE-23	16"	16"	ALUMINUM	YES	SEE NOTES
LV-8	ERV-1 OA	NAILOR	LE-23	28"	24"	ALUMINUM	YES	SEE NOTES
LV-8	MUA-1 OA	NAILOR	LE-23	36"	30"	ALUMINUM	YES	SEE NOTES
LV-9	ERV-1 EA	NAILOR	LE-23	28"	24"	ALUMINUM	YES	SEE NOTES

NOTE:
1. ALL LOUVERS SHALL BE PROVIDED WITH THE FOLLOWING FEATURES:
- TAMCO 9000 BF MOTORIZED DAMPER
- SHALL BE CLASS 1 AND HAVE AN AIR LEAKAGE RATE OF NOT GREATER THAN 4 CFM/SQFT OF DAMPER SURFACE AREA @ 1.0" W.C. AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 500D FOR SUCH PURPOSE.
- ACTUATOR(S) SHALL BE FURNISHED BY MC, INSTALLED BY CONTROLS CONTRACTOR.
- INSULATED BOX CONSTRUCTION
- BIRD SCREEN
2. VERIFY EXACT DIMENSIONS WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS PRIOR TO ORDERING.
3. FINISH TO BE SELECTED BY ARCHITECT. FOR BIDDING PURPOSES, FIGURE PREMIUM COLOR.

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PORT EWEN FIRE
DEPARTMENT, ULSTER, NEW YORK

MECHANICAL SCHEDULES

SHEET: M001

BID PLANS