

FAN SCHEDULE														
MARK	BUILDING	LOCATION	CFM	S.P. (IN. W.C.)	FAN RPM	ELECTRICAL			TYPE	DRIVE	MANUFACTURER	MODEL	REMARKS	
						HP	VOLTS	PH. HZ.						
EF-2-1	OPERATIONS	GENERATOR M112	1,400	0.70	1055	1/2	120	1	60	CENTRIFUGAL INLINE	BELT	GREENHECK	BSQ-160HP-5	SEE NOTES 3,4,5,13,15
EF-2-2	OPERATIONS	PARTS M110	1,000	0.70	1649	1/3	120	1	60	CENTRIFUGAL INLINE	BELT	GREENHECK	BSQ-100-3	SEE NOTES 3,4,5,13,15
EF-2-3	OPERATIONS	MAINT. STOR. M111	1,000	0.40	940	1/4	120	1	60	SIDEWALL PROPELLER	BELT	GREENHECK	SBE-1H20-3	SEE NOTES 1,2,3,4,5,7,15
EF-2-4	OPERATIONS	MAINTENANCE M109	4,000	0.70	1172	1-1/2	460	3	60	CENTRIFUGAL INLINE	BELT	GREENHECK	BSQ-180-15	SEE NOTES 3,4,5,13,15
EF-2-5	OPERATIONS	SODIUM HYPO. C100	6,450	0.40	866	1	480	3	60	SIDEWALL PROPELLER	BELT	GREENHECK	SBE-3H30-10	SEE NOTES 1,2,3,4,7,11,15
EF-2-6	OPERATIONS	SODIUM HYPO. C100	6,450	0.40	866	1	480	3	60	SIDEWALL PROPELLER	BELT	GREENHECK	SBE-3H30-10	SEE NOTES 1,2,3,4,7,11,15
EF-2-7	OPERATIONS	ALUM RM C101	11,700	0.50	884	3	480	3	60	SIDEWALL PROPELLER	BELT	GREENHECK	SBE-3H36-30	SEE NOTES 1,2,3,4,7,11,15
EF-2-8	OPERATIONS	FLUORIDE PUMPS C102	550	0.40	1386	1/8	120	1	60	SIDEWALL PROPELLER	DIRECT	GREENHECK	SS1-12-432-D	SEE NOTES 1,2,3,4,7,11,15
EF-2-9	OPERATIONS	POLYMER C104	1,400	0.40	1017	3/4	120	1	60	SIDEWALL PROPELLER	BELT	GREENHECK	SBE-1H20-5	SEE NOTES 1,2,3,4,7,11,15
EF-2-10	OPERATIONS	BLOWER RM P100	3,800	0.40	1326	3/4	120	1	60	SIDEWALL PROPELLER	BELT	GREENHECK	SBE-2H20-7	SEE NOTES 1,2,3,4,7,15
EF-2-11	OPERATIONS	CONTROL LAB	2,100	0.90	1909	1	460	3	60	CANOPY HOOD EXHAUST	BELT	GREENHECK	BSQ-130-10	SEE NOTES 3,4,13,15
EF-2-12	OPERATIONS	CONTROL LAB	900	0.90	2062	3/4	460	3	60	CANOPY HOOD EXHAUST	BELT	GREENHECK	BSQ-90-7	SEE NOTES 3,4,13,15
EF-3-1	GAC/BAC	GAC MEDIA BASINS	5,000	0.40	1239	1	480	3	60	SIDEWALL PROPELLER	BELT	GREENHECK	SBE-3H24-10	SEE NOTES 1,2,3,4,7,15
EF-3-2	GAC/BAC	GAC MEDIA BASINS	5,000	0.40	1239	1	480	3	60	SIDEWALL PROPELLER	BELT	GREENHECK	SBE-3H24-10	SEE NOTES 1,2,3,4,7,15
EF-4-1	FINISHED WATER	PUMP ROOM ROOF	7,000	0.40	523	1-1/2	480	3	60	ROOF-MOUNTED UPBLAST	BELT	GREENHECK	CUBE-300-15	SEE NOTES 1,2,3,4,9,10,15
EF-4-2	FINISHED WATER	PUMP ROOM ROOF	7,000	0.40	523	1-1/2	480	3	60	ROOF-MOUNTED UPBLAST	BELT	GREENHECK	CUBE-300-15	SEE NOTES 1,2,3,4,9,10,15
EF-4-3	FINISHED WATER	PUMP ROOM ROOF	7,000	0.40	523	1-1/2	480	3	60	ROOF-MOUNTED UPBLAST	BELT	GREENHECK	CUBE-300-15	SEE NOTES 1,2,3,4,9,10,15
EF-4-4	FINISHED WATER	PUMP ROOM ROOF	7,000	0.40	523	1-1/2	480	3	60	ROOF-MOUNTED UPBLAST	BELT	GREENHECK	CUBE-300-15	SEE NOTES 1,2,3,4,9,10,15
EF-4-5	FINISHED WATER	PUMP ROOM ROOF	7,000	0.40	523	1-1/2	480	3	60	ROOF-MOUNTED UPBLAST	BELT	GREENHECK	CUBE-300-15	SEE NOTES 1,2,3,4,9,10,15
EF-4-6	FINISHED WATER	PUMP ROOM ROOF	7,000	0.40	523	1-1/2	480	3	60	ROOF-MOUNTED UPBLAST	BELT	GREENHECK	CUBE-300-15	SEE NOTES 1,2,3,4,9,10,15
EF-4-7	FINISHED WATER	PUMP ROOM ROOF	7,000	0.40	523	1-1/2	480	3	60	ROOF-MOUNTED UPBLAST	BELT	GREENHECK	CUBE-300-15	SEE NOTES 1,2,3,4,9,10,15
EF-5-1	THICK SLUDGE	PUMP ROOM 101	3,000	0.40	1184	3/4	480	3	60	SIDEWALL PROPELLER	BELT	GREENHECK	SBE-1H20-7	SEE NOTES 1,2,3,4,5,7,11
EF-8-1	GENERATOR	GARAGE	1,500	0.40	857	1/2	120	1	60	SIDEWALL PROPELLER	BELT	GREENHECK	SBE-1H24-5	SEE NOTES 1,2,3,4,7,15
EF-8-2	GENERATOR	GENERATOR BAY ROOF	8,000	0.40	1725	2	460	3	60	CENTRIFUGAL ROOF EXHAUST	BELT	GREENHECK	GB-300-20	SEE NOTES 1,2,3,4,9,14
EF-8-3	GENERATOR	GENERATOR BAY ROOF	50,000	0.61	1725	20	460	3	60	CENTRIFUGAL ROOF EXHAUST	BELT	GREENHECK	TBI-CA-4L60-200	SEE NOTES 1,2,3,4,14
EF-8-4	GENERATOR	GENERATOR BAY ROOF	50,000	0.61	1725	20	460	3	60	CENTRIFUGAL ROOF EXHAUST	BELT	GREENHECK	TBI-CA-4L60-200	SEE NOTES 1,2,3,4,14
EF-8-5	GENERATOR	GENERATOR BAY ROOF	50,000	0.61	1725	20	460	3	60	CENTRIFUGAL ROOF EXHAUST	BELT	GREENHECK	TBI-CA-4L60-200	SEE NOTES 1,2,3,4,14
EF-8-6	GENERATOR	GENERATOR BAY ROOF	50,000	0.61	1725	20	460	3	60	CENTRIFUGAL ROOF EXHAUST	BELT	GREENHECK	TBI-CA-4L60-200	SEE NOTES 1,2,3,4,14

AIR SEPARATOR SCHEDULE								
MARK	BUILDING	SIZE DIA.	SERVICE	MAX. DESIGN PRESSURE (PSIG)	MAX. TEMP. (°F)	MANUFACTURER	MODEL	REMARKS
AS-2	GENERATOR	6"	AFTERCOOLER CIRCUIT	125	350	BELL AND GOSSETT	RL-6	N/A

FUTURE AIR SEPARATOR SCHEDULE								
MARK	BUILDING	SIZE DIA.	SERVICE	MAX. DESIGN PRESSURE (PSIG)	MAX. TEMP. (°F)	MANUFACTURER	MODEL	REMARKS
AS-4	GENERATOR	6"	AFTERCOOLER CIRCUIT	125	350	BELL AND GOSSETT	RL-6	N/A
AS-5	GENERATOR	3"	JACKET WATER	125	350	BELL AND GOSSETT	RL-3	N/A
AS-6	GENERATOR	6"	AFTERCOOLER CIRCUIT	125	350	BELL AND GOSSETT	RL-6	N/A
AS-7	GENERATOR	3"	JACKET WATER	125	350	BELL AND GOSSETT	RL-3	N/A
AS-8	GENERATOR	6"	AFTERCOOLER CIRCUIT	125	350	BELL AND GOSSETT	RL-6	N/A

- NOTES:
- PROVIDE BACKDRAFT DAMPER.
 - PROVIDE ALUMINUM INSECT SCREEN.
 - PROVIDE ALL ALUMINUM CONSTRUCTION. PROVIDE NEMA 1 TOGGLE SWITCH.
 - PROVIDE (2) SPARE BELTS AND EXTENDED LUBE LINES.
 - PROVIDE TWO-SPEED FAN FOR MINIMUM VENTILATION AIR AND COOLING CONTROL.
 - PROVIDE SOLID STATE SPEED CONTROL.
 - PROVIDE WALL HOUSING WITH FLUSH EXTERIOR AND ALUMINUM DAMPER GUARD. PROVIDE 45° WEATHER HOOD.
 - MOUNT ON EXISTING ROOF CURB. PROVIDE NEW ADAPTER AS REQUIRED FOR PROPER INSTALLATION.
 - PROVIDE TWO-SPEED FAN FOR STAGED COOLING.
 - PROVIDE PATE ROOF CURB WITH 72"x72" CLEAR OPENING. PROVIDE CURB ADAPTER FOR INSTALLATION OF FAN.
 - PROVIDE CHEMICAL-RESISTANT PROTECTIVE COATING (I.E. GREENHECK INDUSTRIAL EPOXY)
 - PROVIDE ROOF CURB, CHEMICAL-RESISTANT PROTECTIVE COATING ON ALL COMPONENTS (I.E. GREENHECK HI-PRO POLYESTER), AND STAINLESS STEEL SHAFT AND FASTENERS.
 - PROVIDE HANGING SUPPORTS WITH VIBRATION ISOLATION.
 - PROVIDE ROOF CURB FOR SLOPED ROOF INSTALLATION. SEE ARCHITECTURAL FOR ROOF SLOPE.
 - PROVIDE STARTER / DISCONNECT WITH ALL CONTROLS AND CONTACTS TO OPERATE AS DESCRIBED ON SHEETS M-9907 AND M-9908.

MAKE-UP AIR UNIT SCHEDULE																								
MARK	BUILDING	LOCATION	TYPE	SUPPLY FAN					COOLING					HEATING			ELECTRICAL		FILTERS		ASSOCIATED CONDENSING UNIT	MANUFACTURER	MODEL	NOTES
				AIR FLOW (CFM)	OA FLOW (CFM)	E.S.P. (IN WG)	T.S.P. (IN WG)	FAN HP	TOTAL CAPACITY (MBH)	SENS CAPACITY (MBH)	E.A.T. DBWB (°F)	L.A.T. DBWB (°F)	MAX FACE VELOCITY (FPM)	HEAT PUMP CAP. AT 16°F OA (MBH)	ELECTRIC HEAT (KW)	HOT GAS REHEAT (MBH)	V/PH/Hz	PRE-FILTER	FINAL FILTER					
MAU-1	OPERATIONS	CONTROL LAB A A108	HEAT PUMP / HORIZ. AHU	2,000	2,000	0.50	1.17	4	121.0	73.3	91.8 / 75.1	56.6 / 56.4	300	86.4	35.0	74.0	460 / 3 / 60	MERV 8	MERV 13	CU-2-3	AAON	H3-CRB-3-0-162A-3ES	SEE NOTES 1,2	
MAU-2	OPERATIONS	CONTROL LAB A A108	HEAT PUMP / HORIZ. AHU	800	800	0.50	1.39	1-1/2	53.6	31.4	91.8 / 75.1	54.0 / 53.8	370	41.5	14.0	18.0	460 / 3 / 60	MERV 8	MERV 13	CU-2-4	AAON	H3-ARB-3-0-161A-3BS	SEE NOTE 2	

- NOTES:
- PROVIDE SUPPLY AIR IONIZATION TYPE SMOKE DETECTOR.
 - PROVIDE HANGING VIBRATION ISOLATION AND DIRTY FILTER SENSORS. SEE CONDENSING UNIT SCHEDULE FOR ADDITIONAL HEAT PUMP INFORMATION.

ELECTRIC UNIT HEATER SCHEDULE											
MARK	BUILDING	LOCATION	OUTPUT (kW)	FAN AIR FLOW (CFM)	ELECTRICAL			WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS
					VOLTS	PH.	HZ.				
EUH-2-1	OPERATIONS	STAIRS C105	5	700	480	3	60	45	REZNOR	EGHB-05	SEE NOTES
EUH-3-1	GAC/BAC	GAC PIPE GALLERY	5	700	480	3	60	45	REZNOR	EGHB-05	SEE NOTES
EUH-3-2	GAC/BAC	GAC PIPE GALLERY	5	700	480	3	60	45	REZNOR	EGHB-05	SEE NOTES
EUH-3-3	GAC/BAC	GAC PIPE GALLERY	5	700	480	3	60	45	REZNOR	EGHB-05	SEE NOTES
EUH-3-4	GAC/BAC	GAC PIPE GALLERY	5	700	480	3	60	45	REZNOR	EGHB-05	SEE NOTES
EUH-3-5	GAC/BAC	GAC MEDIA BASINS	10	700	480	3	60	45	REZNOR	EGHB-10	SEE NOTES
EUH-3-6	GAC/BAC	GAC MEDIA BASINS	10	700	480	3	60	45	REZNOR	EGHB-10	SEE NOTES
EUH-3-7	GAC/BAC	GAC MEDIA BASINS	10	700	480	3	60	45	REZNOR	EGHB-10	SEE NOTES
EUH-4-1	FINISHED WATER	PUMP ROOM	7.5	700	480	3	60	45	REZNOR	EGHB-07	SEE NOTES
EUH-4-2	FINISHED WATER	PUMP ROOM	7.5	700	480	3	60	45	REZNOR	EGHB-07	SEE NOTES
EUH-4-3	FINISHED WATER	PUMP ROOM	7.5	700	480	3	60	45	REZNOR	EGHB-07	SEE NOTES
EUH-4-4	FINISHED WATER	PUMP ROOM	7.5	700	480	3	60	45	REZNOR	EGHB-07	SEE NOTES
EUH-8-1	GENERATOR	GARAGE	5	700	480	3	60	45	REZNOR	EGHB-05	SEE NOTES
EUH-8-2	GENERATOR	GARAGE	5	700	480	3	60	45	REZNOR	EGHB-05	SEE NOTES

- NOTES:
- PROVIDE WALL-MOUNTED DDC COMPATIBLE THERMOSTAT.
 - MOUNT AT 8'-0" AFF UNLESS OTHERWISE NOTED.

ELECTRIC RADIANT HEATER								
MARK	BUILDING	LOCATION	INPUT (KW)	ELECTRICAL V/PH/Hz	MOUNTING HEIGHT (FT)	MANUFACTURER	MODEL	NOTES
ERH-5-2	THICK SLUDGE	PUMP ROOM 101	13.5	480 / 3 / 60	12	MARKEL	CH-13	SEE NOTES
ERH-8-1	GENERATOR	GENERATOR BAY	13.5	480 / 3 / 60	16.5	MARKEL	CH-13	SEE NOTES
ERH-8-2	GENERATOR	GENERATOR BAY	13.5	480 / 3 / 60	16.5	MARKEL	CH-13	SEE NOTES
ERH-8-3	GENERATOR	GENERATOR BAY	13.5	480 / 3 / 60	16.5	MARKEL	CH-13	SEE NOTES

- NOTES:
- RADIANT HEATERS SHALL BE MOUNTED AT THE HEIGHT SPECIFIED IN SCHEDULE. THE HEATERS SHALL BE MOUNTED AT AN OPTIMUM ANGLE TOWARD THE FLOOR SUCH THAT AS MUCH FLOOR AREA AS POSSIBLE IS REACHED BY EACH HEATER.

CANOPY HOOD SCHEDULE									
MARK	BUILDING	LOCATION	AIR FLOW (CFM)	S.P. (IN WG)	OPENING DIMENSIONS (IN)	ASSOCIATED BLOWER	MANUFACTURER	MODEL	NOTES
CH-2	OPERATIONS	CONTROL LAB A A108	900	0.65	48 X 30	EF-2-12	HEMCO	13140	SEE NOTES 1,2,4,5

- NOTES:
- CANOPY HOODS ARE NOT INTENDED FOR CHEMICAL HANDLING OR FUME HOOD EXHAUST. THESE HOODS ARE INTENDED TO PROVIDE EXHAUST FOR VAPORS, HEAT, STEAM AND ODORS WHEN MOUNTED OVER AREAS WITH WATER BATHS, HOT PLATES, PORTABLE EQUIPMENT, AND OTHER SIMILAR USES.
 - PROVIDE STAINLESS STEEL CONSTRUCTION AND BLOWER SWITCH. MOUNT 30" ABOVE WORKING SURFACE.
 - PROVIDE SUSPENDED CANOPY HOOD MOUNTING KIT.
 - PROVIDE WALL CANOPY HOOD MOUNTING KIT.
 - PROVIDE VAPOR PROOF LIGHT FIXTURE AND LIGHT SWITCH.

GAS UNIT HEATER SCHEDULE															
MARK	BUILDING	LOCATION	TYPE	INPUT (MBH)	OUTPUT (MBH)	FAN AIR FLOW (CFM)	ELECTRICAL			VENT DIA. (IN)	COMB AIR DIA (IN)	WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS
							VOLTS	PH.	HZ.						
UH-2-1	OPERATIONS	PIPE GALLERY P101	NAT. GAS	30.0	24.6	455	120	1	60	4	4	55	REZNOR	UDAS-30	SEE NOTES
UH-2-2	OPERATIONS	PIPE GALLERY P101	NAT. GAS	30.0	24.6	455	120	1	60	4	4	55	REZNOR	UDAS-30	SEE NOTES
UH-2-3	OPERATIONS	PIPE GALLERY P101	NAT. GAS	30.0	24.6	455	120	1	60	4	4	55	REZNOR	UDAS-30	SEE NOTES
UH-2-4	OPERATIONS	BLOWER ROOM P100	NAT. GAS	30.0	24.6	455	120	1	60	4	4	55	REZNOR	UDAS-30	SEE NOTES
UH-2-5	OPERATIONS	FLUORIDE PUMPS	NAT. GAS	30.0	24.6	455	120	1	60	4	4	55	REZNOR	UDAS-30	SEE NOTES

- NOTES:
- SINGLE STAGE NATURAL GAS VALVE.
 - PROVIDE WALL-MOUNTED DDC COMPATIBLE THERMOSTAT.
 - MOUNT AT 8'-0" AFF UNLESS OTHERWISE NOTED. PROVIDE FOUR POINT SUSPENSION.

LOW-INTENSITY GAS INFRARED HEATER SCHEDULE																
MARK	BUILDING	LOCATION	TYPE	HIGH / LOW INPUT (MBH)	TUBE DIA. (IN)	LENGTH (FT)	ELECTRICAL			MIN / MAX N.G. INLET PRESS. (IN WG)	VENT DIA. (IN)	COMB. AIR DIA (IN)	MTNG HT. (FT)	MANUFACTURER	MODEL	REMARKS
							VOLTS	PH.	HZ.							
RH-2-1	OPERATIONS	SODIUM HYPO. C100	NAT. GAS	200 / 145	4	50'-9"	120	1	60	5.0 / 14.0	4	4	24'-6"	RE-VERBER-RAY	HL3-50-200	2-STAGE. SEE NOTES.
RH-2-2	OPERATIONS	SODIUM HYPO. C100	NAT. GAS	200 / 145	4	50'-9"	120	1	60	5.0 / 14.0	4	4	24'-6"	RE-VERBER-RAY	HL3-50-200	2-STAGE. SEE NOTES.
RH-2-3	OPERATIONS	SODIUM HYPO. C100	NAT. GAS	200 / 145	4	50'-9"	120	1	60	5.0 / 14.0	4	4	24'-6"	RE-VERBER-RAY	HL3-50-200	2-STAGE. SEE NOTES.
RH-2-4	OPERATIONS	SODIUM HYPO. C100	NAT. GAS	200 / 145	4	50'-9"	120	1	60	5.0 / 14.0	4	4	24'-6"	RE-VERBER-RAY	HL3-50-200	2-STAGE. SEE NOTES.
RH-2-5	OPERATIONS	ALUM RM C101	NAT. GAS	200 / 145	4	50'-9"	120	1	60	5.0 / 14.0	4	4	24'-6"	RE-VERBER-RAY	HL3-50-200	2-STAGE. SEE NOTES.
RH-2-6	OPERATIONS	ALUM RM C101	NAT. GAS	200 / 145	4	50'-9"	120									