

BOILER SCHEDULE														
UNIT TAG	LOCATION	SYSTEM FLUID	NATURAL GAS		OUTPUT MBH	BOILER HP	% EFF	RELIEF VALVE (PSI)	ELECTRICAL		FLUE OUTLET CONNECTION	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER	REMARKS
			INPUT (MBH)	RATE (CFH)					VOLTS/ PH	AMP (MCP)				
B-700	MECHANICAL	WATER	399	399	383	N/A	95	12	120/1	20	4"	WEL-MCLAIN	EVG-399	① ②
B-701	MECHANICAL	WATER	399	399	383	N/A	95	12	120/1	20	4"	WEL-MCLAIN	EVG-399	① ②

①

PROVIDE WITH CONCENTRIC VENT AND CONDENSATE NEUTRALIZER KIT.

②

PROVIDE WITH BOILER CONTROLS/PUMP CONTROLLERS AS NECESSARY FOR OPERATION OF CIRCULATING PUMPS.

PUMP SCHEDULE										
UNIT TAG	LOCATION	SERVICE	SYSTEM FLUID	GPM	HEAD FT. WG.	RPM	ELECTRICAL			BASIS OF DESIGN MANUFACTURER
							HP	VOLTS	PHASE	
P-700	MECHANICAL	HWS&R LOOP	WATER	56	40	1578	2	460	3	BELL&GOSSETT
P-701	MECHANICAL	HWS&R LOOP	WATER	56	40	1579	2	460	3	BELL&GOSSETT
BP-700	MECHANICAL	B-700	WATER	29	25	1725	1/2	460	3	TACO
BP-701	MECHANICAL	B-701	WATER	29	25	1725	1/2	460	3	TACO

EXPANSION TANK SCHEDULE										
UNIT TAG	SERVICE	TYPE	ACCEPTANCE VOLUME (GAL)	TANK VOLUME (GAL)	DIAMETER (IN)	LENGTH (IN)	FILL PRESSURE (PSI)	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER	REMARKS
EXT-700	BOILER SYSTEM	DIAPHRAGM	6.3	7.8	12	19	12	BELL & GOSSETT	D-15	

AIR SEPARATOR SCHEDULE										
UNIT TAG	LOCATION	SERVICE	TYPE	GPM	WPD FT-H <sub>2</sub> O	CONN. SIZE (IN)	VELOCITY FPM	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER	REMARKS
AS-700	MECHANICAL	BOILER SYSTEM	TANGENTIAL	56	0.2	3	144	BELL&GOSSETT	ROLAIRTROL RL-3F	

STATIONARY ROOM VENTILATOR SCHEDULE								
UNIT TAG	LOCATION	SERVICE	CFM	THROAT DIMENSIONS	FREE AREA (SQ. FT.)	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER	REMARKS
SRV-300	SLUDGE PIT	SLUDGE PIT	250	8x8	0.44	GREENHECK	FGI	①
SRV-400	ATAD BUILDING	EQUIPMENT ROOM	3000	30X30	6.25	GREENHECK	FGI	①
SRV-500	MBR BUILDING	INFLUENT DRY WELL	675	14X14	1.36	GREENHECK	FGI	①

① PROVIDE WITH 14" HIGH INSULATED ALUMINUM ROOF CURB AND 120V AAD (NEMA 4X ACTUATOR/ENCLOSURE).

AIR INLET AND OUTLET SCHEDULE						
TYPE	DESCRIPTION	SERVICE	FACE SIZE (NECK SIZE)	MOUNTING TYPE	BASIS OF DESIGN MANUFACTURER AND MODEL	REMARKS
S1	DIFFUSER	SUPPLY	24X24	LAY-IN	PRICE SCD	①
S2	GRILLE	SUPPLY	SEE PLANS	TO DUCT	PRICE 720 SERIES	①
R1	GRILLE	RETURN	24X24/12X12	LAY-IN	PRICE 80 SERIES	①
E1	GRILLE	EXHAUST	SEE PLANS	TO DUCT	PRICE 730 SERIES	①
① PROVIDE WITH BALANCING DAMPER						

DUCTLESS SPLIT SYSTEM SCHEDULE																						
INDOOR UNIT												OUTDOOR UNIT										
UNIT TAG	LOCATION	ARRANGEMENT	INSTALLATION HEIGHT AFF (APPROX)	TOTAL COOLING (BTUH)	MIN SEER	HEATING CAPACITY (BTUH)	SUPPLY CFM HIGH/LOW	ELECTRICAL			REMARKS	UNIT TAG	LOCATION	INSTALLATION HEIGHT AFF (APPROX)	SERVICE	ELECTRICAL			BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER INDOOR UNIT	BASIS OF DESIGN MODEL NUMBER OUTDOOR UNIT	REMARKS
								VOLTS	PHASE	MOP						VOLTS	PHASE	MOP				
HWU-400	ATAD BUILDING	HIGH WALL MOUNT	7'-0"	33,000	18.5	35,200	883/601	208	1	30	①	DSCU-400	ROOF	-	HWU-400	208	1	30	LG	LSN36HLV3	LSU36HLV3	① ③
HWU-500	MBR BUILDING	HIGH WALL MOUNT	7'-0"	12,000	22.7	13,600	282/177	208	1	20	①	DSCU-500	EXTERIOR WALL	8'-0"	HWU-500	208	1	20	LG	LSN120HSVR	LSUT20HSV5	① ②
HWU-700	DEWATERING BUILDING	HIGH WALL MOUNT	7'-0"	12,000	22.7	13,600	282/177	208	1	20	①	DSCU-700	ROOF	-	HWU-700	208	1	20	LG	LSN120HSVR	LSUT20HSV5	① ③
HWU-701	DEWATERING BUILDING	HIGH WALL MOUNT	7'-0"	12,000	22.7	13,600	282/177	208	1	20	①	DSCU-701	ROOF	-	HWU-700	208	1	20	LG	LSN120HSVR	LSUT20HSV5	① ③
F-700 CC	DEWATERING BUILDING	CASED COIL	-	60,000	13	-	1575	-	-	-	①	DSCU-702	ROOF	-	F-700 CC	208	1	50	COMFORTAIRE	-	RSG13605IM	① ③

① PROVIDE WITH LOW AMBIENT WIND BAFFLE KIT, REMOTE CONTROLLER, BASE PAN HEATER, AND HIGH LIFT CONDENSATE PUMP.

② MOUNT EXTERIOR DUCTLESS SPLIT CONDENSING UNIT ON WALL MOUNT BRACKET/STAND PER MANUFACTURER RECOMMENDATIONS.

③ MOUNT EXTERIOR DUCTLESS SPLIT CONDENSING UNIT ON ROOF MOUNT QUICKSLIP (NON-PENETRATING) STAND AND INSTALL PER MANUFACTURER RECOMMENDATIONS.

FURNACE SCHEDULE																		
UNIT TAG	LOCATION	SERVICE	SA CFM	OA CFM (MIN)	ESP (IN WG)	ELECTRICAL				DX COOLING COIL	GAS HEATING				SEER	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER	REMARKS
						MOP	VOLTS	PHASE	FLA	NOMINAL TONNAGE	INPUT MBH	OUTPUT MBH	RISE (°F)	AFUE				
F-700	DEWATERING BUILDING	OFFICE/LOCKER AREA	1575	175	0.8	20	120	1	12.8	5	110	106	80	97	14	COMFORT-AIRE	GUH97M	①
① PROVIDE WITH LP CONVERSION KIT, LOW VOLTAGE HONEYWELL PRESTIGE 2.0 THERMOSTAT, AND CONCENTRIC VENT KIT.																		

EXHAUST FAN SCHEDULE																	
UNIT TAG	LOCATION	SERVICE	ARRANGEMENT	DRIVE	CFM	SP (IN WG)	FAN RPM	MAX SONES	WALL / ROOF OPENING SIZE (MAX)	BOTTOM OF FAN HEIGHT AFF (APPROX)	ELECTRICAL			BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER	REMARKS	
											HP (W)	VOLTS	PHASE				
EF-200	HEADWORKS BUILDING	BAR SCREEN ROOM	IN-LINE	BELT	2650	0.3	1235	-	8"-4"	1/2	120	1	GREENHECK	QEI-15		①	
EF-201	HEADWORKS BUILDING	ELECTRICAL ROOM	IN-LINE	DIRECT	500	0.3	1522	-	9"-4"	1/10	120	1	GREENHECK	SQ-90-VG		② ③	
EF-300	SLUDGE PIT	SLUDGE PIT	ROOF MOUNT	DIRECT	250	0.3	1569	5	13.5"x13.5"	-	1/75	120	1	GREENHECK	Q-070-VG		④
EF-301	SLUDGE VALVE PIT	SLUDGE VALVE PIT	IN-LINE	DIRECT	400	0.3	1379	-	2"-0"	1/10	120	1	GREENHECK	SQ-90-VG		⑤	
EF-400	ATAD BUILDING	EQUIPMENT ROOM	IN-LINE	DIRECT	3000	0.3	1159	-	9'-0"	3/4	208	1	GREENHECK	SQ-160-VG		④ ⑤	
EF-401	ATAD BUILDING	THICKENING ROOM	IN-LINE	DIRECT	925	0.3	1318	-	9'-4"	1/4	120	1	GREENHECK	SQ-100-VG		⑤	
EF-500	MRB BUILDING	CHEMICAL ROOMS	IN-LINE	DIRECT	600	0.5	1689	-	8'-6"	1/6	120	1	GREENHECK	SQ-95-VG		⑤	
EF-501	MRB BUILDING	RAS PUMP ROOM	WALL MOUNT	DIRECT	3900	0.3	1434	21	18"x18"	25'-0"	2	208	1	GREENHECK	CUE-160-VG		⑥
EF-502	MRB BUILDING	BLOWER ROOM	WALL MOUNT	DIRECT	5000	0.3	982	19	26"x26"	13'-0"	2	208	1	GREENHECK	CUE-200-VG		⑥ ⑦
EF-503	MRB BUILDING	BLOWER ROOM	WALL MOUNT	DIRECT	5000	0.3	982	19	26"x26"	13'-0"	2	208	1	GREENHECK	CUE-200-VG		⑥ ⑦
EF-504	MRB BUILDING	ELECTRICAL ROOM	CEILING	DIRECT	500	0.3	1212	7	-	8'-0"	(12/1)	120	1	GREENHECK	SP-A510-VG		⑧ ⑨
EF-505	MRB BUILDING	MEMBRANE AREA	WALL MOUNT	DIRECT	2500	0.3	1479	16	18"x18"	24'-0"	3/4	208	1	GREENHECK	CUE-140-VG		⑧ ⑩
EF-506	MRB BUILDING	MEMBRANE AREA	WALL MOUNT	DIRECT	2500	0.3	1479	16	18"x18"	24'-0"	3/4	208	1	GREENHECK	CUE-140-VG		⑧ ⑩
EF-507	MRB BUILDING	MEMBRANE AREA	WALL MOUNT	DIRECT	2500	0.3	1479	16	18"x18"	24'-0"	3/4	208	1	GREENHECK	CUE-140-VG		⑧ ⑩
EF-508	MRB BUILDING	MEMBRANE AREA	WALL MOUNT	DIRECT	2500	0.3	1479	16	18"x18"	24'-0"	3/4	208	1	GREENHECK	CUE-140-VG		⑧ ⑩
EF-509	MRB BUILDING	FINE SCREEN ROOM	IN-LINE	DIRECT	1100	0.3	1488	-	9'-0"	1/4	120	1	GREENHECK	SQ-100-VG		⑪	
EF-510	MRB BUILDING	INFLUENT DRY WELL	ROOF MOUNT	DIRECT	675	0.3	1670	9	13"x13"	-	1/10	120	1	GREENHECK	Q-090-VG		⑪
EF-700	DEWATERING BUILDING	DUMPSTER AREA & MECHANICAL	IN-LINE	DIRECT	2700	0.6	1147	-	8'-0"	3/4	208	1	GREENHECK	SQ-160-VG		⑪	
EF-701	DEWATERING BUILDING	MECHANICAL OPERATIONS ROOM	IN-LINE	DIRECT	2600	0.3	1019	-	8'-0"	3/4	208	1	GREENHECK	SQ-160-VG		⑪	
EF-702	DEWATERING BUILDING	LOCKER ROOMS	ROOF MOUNT	DIRECT	445	0.6	1150	-	12.5"x12.5"	-	1/8	120	1	GREENHECK	Q-095-VG		⑪
EF-950	GARAGE	GARAGE	WALL MOUNT	DIRECT	1800	0.3	1107	-	27.38"x27.38"	8'-0"	1/2	120	1	GREENHECK	AER-20-03-0615-VG		⑫

① PROVIDE WITH ALUMINUM/SPARK RESISTANT CONSTRUCTION, EXPLOSION PROOF MOTOR, EXPLOSION PROOF DISCONNECT SWITCH (NEMA-7), ALUMINUM MOTOR COVER, MOUNTING RAIL/VIBRATION ISOLATORS, EPOXY COATING, AND SPARE BELT. EQUIPMENT AND ACCESSORIES TO BE RATED FOR USE IN A CLASS 1 DIV 1 SPACE.

② PROVIDE WITH ALUMINUM CONSTRUCTION, SPEED CONTROLLER (VG MOTOR), UNIT MOUNTED DISCONNECT SWITCH, INLET GUARD, AND VIBRATION ISOLATORS.

③ CONTROL BY LINE VOLTAGE REVERSE-ACTING (COOLING) THERMOSTAT. UPON A RISE IN TEMPERATURE ABOVE 85°F (ADJUSTABLE), FAN SHALL ENABLE.

④ PROVIDE WITH ALUMINUM CONSTRUCTION, SPEED CONTROLLER (VG MOTOR), UNIT MOUNTED DISCONNECT SWITCH (NEMA-4X), INLET GUARD, VIBRATION ISOLATORS, AND EPOXY COATING.

⑤ PROVIDE WITH ALUMINUM CONSTRUCTION, SPEED CONTROLLER (VG MOTOR), UNIT MOUNTED DISCONNECT SWITCH (NEMA-4X), VIBRATION ISOLATORS, AND EPOXY COATING.

⑥ PROVIDE WITH ALUMINUM CONSTRUCTION, SPEED CONTROLLER (VG MOTOR), UNIT MOUNTED DISCONNECT SWITCH (NEMA-4X), WALL BRACKET, AND 120V AAD (NEMA 4X ACTUATOR/ENCLOSURE).

⑦ PROVIDE WITH ALUMINUM CONSTRUCTION, SPEED CONTROLLER (VG MOTOR), UNIT MOUNTED DISCONNECT SWITCH (NEMA-4X), 12" HIGH FAN CURB, AND 120V AAD (NEMA 4X ACTUATOR/ENCLOSURE).

⑧ PROVIDE WITH ALUMINUM CONSTRUCTION, SPEED CONTROLLER (VG MOTOR), UNIT MOUNTED DISCONNECT SWITCH (NEMA-4X), WALL HOUSING/SLEEVE, OSHA APPROVED MOTOR/FAN GUARD, 120V AAD (NEMA 4X ACTUATOR/ENCLOSURE), AND 45" WEATHERHOOD.

⑨ PROVIDE WITH SPEED CONTROLLER, DISCONNECT SWITCH, AND VIBRATION ISOLATORS.

⑩ PROVIDE WITH ALUMINUM CONSTRUCTION, SPEED CONTROLLER (VG MOTOR), UNIT MOUNTED DISCONNECT SWITCH (NEMA-4X), INLET GUARD, VIBRATION ISOLATORS, GRAVITY BACKDRAFT DAMPER, AND EPOXY COATING.

SUPPLY FAN SCHEDULE																
UNIT TAG	LOCATION	SERVICE	ARRANGEMENT	DRIVE	CFM	SP (IN WG)	FAN RPM	MAX SONES	WALL OPENING SIZE	BOTTOM OF FAN HEIGHT AFF. (APPROX)	ELECTRICAL			BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER	REMARKS
											HP (W)	VOLTS	PHASE			
SF-200	HEADWORKS BUILDING	BAR SCREEN ROOM	IN-LINE	BELT	2525	0.5	1270	-	-	7'-10"	1/2	120	1	GREENHECK	QEI-15	①
SF-400	ATAD BUILDING	THICKENING ROOM	IN-LINE	DIRECT	875	0.3	1270	-	-	9'-4"	1/4	120	1	GREENHECK	SQ-100-VG	②
SF-500	MBR BUILDING	RAS PUMP ROOM	WALL	DIRECT	3700	0.3	1655	-	27.38"x27.38"	16'-4"	3/4	120	1	GREENHECK	AER-20-03-0320-VG	③
SF-700	DEWATERING BUILDING	DUMPSITE AREA & MECHANICAL	WALL	DIRECT	2700	0.3	1710	-	27.33"x27.33"	9'-0"	1/2	120	1	GREENHECK	AER-20-03-0315-VG	③
SF-701	DEWATERING BUILDING	MECHANICAL OPERATIONS ROOM	WALL	DIRECT	2600	0.3	1674	-	27.33"x27.33"	4'-0"	1/2	120	1	GREENHECK	AER-20-03-0315-VG	③
①	PROVIDE WITH ALUMINUM/SPARK RESISTANT CONSTRUCTION, EXPLOSION PROOF INSULATED MOTOR, EXPLOSION PROOF DISCONNECT SWITCH (NEMA-7), ALUMINUM MOTOR COVER, MOUNTING RAIL/VIBRATION ISOLATORS, DRAIN WITH PLUG, AND EPOXY COATING. EQUIPMENT AND ACCESSORIES TO BE RATED FOR USE IN A CLASS 1, DIV 1 SPACE.															
②	PROVIDE WITH ALUMINUM CONSTRUCTION, DISCONNECT SWITCH (NEMA-4X), SPEED CONTROLLER (VG MOTOR), INSULATED HOUSING, MOTOR COVER, EPOXY COATING, AND VIBRATION ISOLATORS.															
③	PROVIDE WITH ALUMINUM CONSTRUCTION, OSHA APPROVED MOTOR GUARD/HOUSING, DISCONNECT SWITCH (NEMA-4X), SPEED CONTROLLER (VG MOTOR), 120V AND (NEMA 4X ACTUATOR) ENCLOSURE, ALUMINUM 90° WEATHERHOOD KIT WITH BIRD SCREEN, AND EPOXY COATING.															

LOUVER SCHEDULE												
UNIT TAG	LOCATION	SERVICE	WIDTH	HEIGHT	BOTTOM OF LOUVER HEIGHT AFF (APPROX)	CFM	FREE AREA (SQ FT)	FACE VELOCITY (FPM)	BIRD SCREEN	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL NUMBER	REMARKS
LV-200	HEADWORKS BUILDING	INTAKE	40	32	7'-4"	2525	4.52	559	YES	GREENHECK	ESD-435	②
LV-201	HEADWORKS BUILDING	EXHAUST	40	32	8'-0"	2525	4.52	559	YES	GREENHECK	ESD-435	②
LV-202	HEADWORKS BUILDING	INTAKE	24	16	8'-0"	500	0.99	504	YES	GREENHECK	ESD-435	① ②
LV-203	HEADWORKS BUILDING	EXHAUST	24	16	9'-4"	500	0.99	504	YES	GREENHECK	ESD-435	① ②
LV-400	ATAD BUILDING	EXHAUST	36	40	8'-0"	3000	5.28	568	YES	GREENHECK	ESD-435	① ②
LV-401	ATAD BUILDING	INTAKE	24	24	9'-4"	875	1.75	502	YES	GREENHECK	ESD-435	① ②
LV-402	ATAD BUILDING	EXHAUST	24	24	9'-4"	875	1.75	502	YES	GREENHECK	ESD-435	① ②
LV-500	MBR BUILDING	INTAKE	18	18	8'-6"	510	0.84	608	YES	GREENHECK	ESD-435	②
LV-501	MBR BUILDING	EXHAUST	18	18	8'-6"	510	0.84	608	YES	GREENHECK	ESD-435	②
LV-502	MBR BUILDING	INTAKE	42	48	12'-0"	5000	7.74	646	YES	GREENHECK	ESD-435	① ②
LV-503	MBR BUILDING	INTAKE	42	48	12'-0"	5000	7.74	646	YES	GREENHECK	ESD-435	① ②
LV-504	MBR BUILDING	INTAKE	18	18	2'-0"	500	0.84	596	YES	GREENHECK	ESD-435	① ②
LV-505	MBR BUILDING	EXHAUST	18	18	8'-0"	500	0.84	596	YES	GREENHECK	ESD-435	① ②
LV-506	MBR BUILDING	INTAKE	42	48	2'-0"	5000	7.74	646	YES	GREENHECK	ESD-435	① ②
LV-507	MBR BUILDING	INTAKE	42	48	2'-0"	5000	7.74	646	YES	GREENHECK	ESD-435	① ②
LV-508	MBR BUILDING	INTAKE	24	24	5'-4"	1100	1.81	609	YES	GREENHECK	ESD-435	① ②
LV-509	MBR BUILDING	EXHAUST	24	24	8'-8"	1100	1.81	609	YES	GREENHECK	ESD-435	① ②
LV-700	DEWATERING BUILDING	EXHAUST	45	32	6'-4 1/2"	2700	5.10	498	YES	GREENHECK	ESD-435	① ②
LV-701	DEWATERING BUILDING	EXHAUST	45	32	3'-4 1/2"	2600	5.10	480	YES	GREENHECK	ESD-435	① ②
LV-950	GARAGE	INTAKE	32	32	3'-0"	1800	3.55	507	YES	GREENHECK	ESD-435	① ②

① WITH FACTORY PROVIDED 120V AAD (NEMA 4X ACTUATOR/ENCLOSURE).

② PROVIDE WITH 1-1/2" EXTERIOR PERIMETER FLANGE AND MOUNTING CLIPS.

