





SCHEDULE OF EXISTING UNIT VENTILATORS															
MARK	MODEL No. ①	CFM	MIN. O.A. CFM ②	COOLING DATA		HEATING DATA ②			FILTER TYPE	MOTOR H.P.	ELEC. SERV.	MOTOR FLA	MCA	PHYSICAL DATA DIMENSION / WEIGHT	REMARKS
				TOTAL CAPACITY MBH	SENSIBLE CAPACITY MBH	CAPACITY MBH	GPM	ROWS							
	MAUV1000	1000	550	—	—	76	5	2	THROWAWAY 2'12"x20"x2"	0.5 EA	208/1/60	4.7	—	44"Lx30"Wx115"H/600LBS	REFER TO ③
	MAUV1500	1500	1000	—	—	76	5	2	THROWAWAY 2'12"x20"x2"	0.5 EA	208/1/60	4.7	—	44"Lx30"Wx115"H/600LBS	③
	MAUH1000	1000	550	—	—	58	6	3	THROWAWAY	0.25	115/1/60	4.0	5.0	88"Lx22"Wx30"H/600LBS	③
	MAUH1500	1500	1000	—	—	84	9	3	THROWAWAY	0.5	115/1/60	4.7	5.9	100"Lx22"Wx30"H/750LBS	③
NOTES ① AS MANUFACTURED BY "MAGIC AIRE CORP". ② BASED ON 160° F E.W.T., 140° F L.W.T. ③ EXISTING UNIT VENTILATORS SHALL BE REFURBISHED AND MODIFIED FOR TWO PIPE HEATING AND COOLING OPERATION. UNITS SHALL BE PROVIDED WITH NEW AUTOMATIC TEMPERATURE CONTROLS AND ASSOCIATED VALVES/EQUIPMENT. CLEAN DRAIN PAN OF ANY DEBRIS AND SNAKE OUT AND VERIFY CONDENSATE DRAIN LINES ARE DRAINING PROPERLY AND NOT LEAKING TO CRAWL SPACE BELOW.															

SCHEDULE OF HOT WATER FIN TUBE RADIATION										
MARK	MODEL No.	TIER #	CONNECTION SIZE	TYPE	FIN SIZE (IN.) (ALUMINUM)	FIN PER FOOT	ENCLOSURE DIMENSIONS DEPTH HEIGHT	MOUNTING HEIGHT (IN.)	BTU/LIN. FT.	REMARKS
	JVB-S20	①	1"	SLOPE TOPPED	4-1/4"W X 4-1/4"H	50	4-1/4"	20"	1050	REFER TO ③④⑤⑥
	JVB-S20	②	1"	SLOPE TOPPED	4-1/4"W X 4-1/4"H	50	4-1/4"	20"	1050	③④⑤⑥
	RC-11	③	3/4"	—	72"W X 32"H X 2"D	—	—	—	700	③④⑤
<div><div>NOTES</div><div>① AS MANUFACTURED BY "STERLING". ② AS MANUFACTURED BY "RUNTAL". ③ INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ④ CAPACITIES BASED ON 150° A.W.T. (HW) ⑤ ENCLOSURE FINISH/COLOR AS APPROVED BY THE ARCHITECT.</div><div>⑥ PROVIDE Z-TYPE CONNECTORS FOR WALL AND CEILING MOUNTING LOCATIONS ⑦ AUTO CONTROL VALVE BY HVAC CONTRACTOR. ⑧ INSTALL DISTRIBUTION PIPING WITHIN CONTINUOUS (WALL TO WALL) FIN TUBE ENCLOSURE. ALL PIPING SHALL BE CONCEALED. PROVIDE STERLING MODEL PCH AND PCV METAL PIPE ENCLOSURES WHERE PIPING IS NOT CONCEALED.</div></div>										

SCHEDULE OF REGISTERS AND DIFFUSERS							
MARK	TYPE	SERVICE	MODEL No. ①	DIRECTION DISCHARGE	DAMPER TYPE	FINISH	REMARKS
(A)	CEILING DIFFUSER	SUPPLY	DP/DM	4-WAY	OPPOSED BLADE	PER ARCH.	REFER TO ②④⑤⑥⑦
(B)	CEILING GRILLE	RETURN	AC-30/L/45	—	—	PER ARCH.	REFER TO ②③⑤⑥⑦
(C)	TOP WALL REGISTER	SUPPLY	ECO-20	—	OPPOSED BLADE	PER ARCH.	REFER TO ②④⑤⑥⑦
(D)	TOP WALL REGISTER	RETURN	30/L/45	—	OPPOSED BLADE	PER ARCH.	REFER TO ②③⑤⑥⑦
<div><div>NOTES</div><div>① AS MANUFACTURED BY "ANEMOSTAT". ② INSTALL PER MANUFACTURERS RECOMMENDATIONS. ③ BARS SET @ 45° DEGREES DEFLECTION WITH 3/4" BLADE SPACING. ④ PROVIDE SQUARE TO ROUND ADAPTER, EQUALIZING GRID AND OPPOSED BLADE DAMPER</div><div>⑤ COORDINATE COLOR, TRIM TYPE AND FINISHES WITH ARCHITECT. ⑥ PROVIDE CABLE OPERATED DAMPER IN ALL INACCESSIBLE AREAS</div><div>⑦ SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 500 fpm) ⑧ RETURN NECK SIZE PER CFM RANGE (NOT TO EXCEED 675 fpm)</div></div>							





SCHEDULE OF UNIT HEATER									
MARK	MODEL No. ①	CAPACITY DATA			MOTOR WATTS	ELECTRIC SERVICE	PHYSICAL DATA		REMARKS
		BTU/HR	EW T °F	LWT °F			LxWxH	WEIGHT (LBS)	
	HS-24	17,400	160	140	2.0	120/1/60	15X10X18	50	REFER TO ②③④
	HS-36	26,000	160	140	3.0	120/1/60	15X10X18	50	
	HS-144	104,000	160	140	10.4	1/3HP 120/1/60	24X14X28	100	
<div><div>NOTES</div><div>① AS MANUFACTURED BY "STERLING". ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS ③ 350 CFM @1350 RPM (UH-A&B), 2200 CFM @1140 RPM (UH-C). ④ QUANTITIES AS IDENTIFIED ON HVAC DRAWINGS.</div></div>									

SCHEDULE OF CABINET HEATERS											
MARK	TYPE UNIT	MODEL N.S. ①	CAPACITY DATA ②			MOTOR WATTS	MOTOR RPM	ELECTRIC SERVICE	PHYSICAL DATA		REMARKS
			BTU/HR	CFM	GPM				LxWxH (IN)	WEIGHT (LBS)	
	FLOOR MTD.	FS1005-02	22,700	225	3.0	0.73	70	1100	120/1/60	35x29x10	125 REFER TO ②③④
	FLOOR MTD.	RS1005-04	36,300	420	3.0	5.9	90	1100	120/1/60	47x29x10	125 ②③④
	RECESSED CLG. MTD.	RC1200-02	22,700	225	3.0	0.73	70	1100	120/1/60	36x25x10	125 ②③④
<div><div>NOTES</div><div>① AS MANUFACTURED BY "STERLING". ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS ③ CAPACITIES BASED ON HIGH SPEED FAN SETTING, AND 150° A.W.T. ④ PROVIDE THROWAWAY FILTERS, DISCONNECT SWITCH, TWO ROW COIL, RECESSED TRIM AND SEALS.</div></div>											

SCHEDULE OF CONVECTORS									
MARK	MODEL No. ①	MBH @150°F AWT	GPM	PHYSICAL DATA			REMARKS		
				D	L	H			
	SF-A	3.5	1.0	4"	36"	26"	50		REFER TO ①②
	SF-A	11.0	2.0	6"	64"	32"	100		①②
	SF-A	8.0	2.0	6"	48"	32"	75		①②
<div><div>NOTES</div><div>① AS MANUFACTURED BY "STERLING". ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS ③ CAPACITIES BASED ON 150° A.W.T.</div></div>									

SCHEDULE OF EXPANSION TANK				
MARK	MODEL No. ①	TANK VOLUME GALS.	ACCEPTANCE VOLUME GALS.	REMARKS
	B-600	80	158	REFER TO ②③
<div><div>NOTES</div><div>① AS MANUFACTURED BY "BELL & GOSSETT". ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ③ VERTICAL MOUNTING 125PSI ASME TANK, DIMENSIONS 30"x64" / 1900LBS.</div></div>				

SCHEDULE OF BOILERS							
BOILER DATA			BURNER DATA		ELECTRICAL		REMARKS
MARK	LOCATION	MODEL N.S. ①	INPUT (MBH)	OUTPUT (MBH)	FUEL	SERVICE	
	BOILER ROOM	ENDURA EDR-1000	1000	924	GAS	120/1/60	20 REFER TO ②③④⑤⑥
<div><div>NOTES</div><div>① AS MANUFACTURED BY "TULON". ② BURNER INTEGRAL TO BOILER. HOT WATER BASED ON 140° F E.W.T., 160° F L.W.T. ③ INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ④ BOILER INSTALLATION SHALL CONFORM TO ALL REQUIREMENTS OF INSURANCE UNDERWRITERS, NFPA AND ALL AUTHORITIES HAVING JURISDICTION. BOILERS SHALL BE FULLY FIELD COMMISSIONED BY AUTHORIZED TECHNICIAN FOR THE TYPE OF GAS FIRED (LPG OR NG). IF THE TYPE OF GAS IS CHANGED AFTER STARTUP THE BOILERS SHALL BE FULLY RE-COMMISSIONED BY AUTHORIZED TECHNICIAN. ⑤ PROVIDE MANUFACTURER RECOMMENDED COMBUSTION AIR INTAKE AND EXHAUST VENT PIPING, VENT PIPE CONDENSATE DRAIN, HIGH/LOW LIMIT CONTROL, DUAL LOW WATER CUT OFFS, OUTDOOR AIR TEMPERATURE SENSOR KIT, MULTIPLE BOILER CONDENSATE NEUTRALIZER PACKAGE. VENT PIPING PER THIS MANUFACTURER AL-29-4C OR 316L BACKHET CONTROLS, DISCONNECT SWITCH, LEAD LAG CONTROLS, MOTORIZED ISOLATION VALVES, BOILER PUMP START/STOP SIGNAL, VENTLESS GAS TRIN, MODSYNC CONTROL PANEL. ⑥ BOILER WEIGHT 1900 LBS : DIMENSIONS 28"W X 50"L X 68"H</div></div>							

SCHEDULE OF PUMPS											
MARK	SERVICE	LOCATION	MODEL N# ①	GPM	HEAD FT.H ₂ O	RPM	MOTOR HP	ELECTRIC SERVICE	PHYSICAL DATA		REMARKS
									LxWxH (IN)	WEIGHT (LBS)	
	MECHANICAL		SERIES 80 3K3K7C	200	40	1800	5.0	208/3/60	19X12X28	250	REFER TO ②③
											
	HEATING LOOP	MECHANICAL	SERIES E-1510 4GC	600	100	1800	25	208/3/60	52X24X26	900	
	HEATING LOOP										
<div><div>NOTES</div><div>① AS MANUFACTURED BY "BELL & GOSSETT". ② INSTALL PUMPS PER MANUFACTURER'S RECOMMENDATIONS. ③ PROVIDE ALL PUMPS WITH WALL OR FLOOR MOUNTED VFD'S.</div></div>											

SCHEDULE OF CHEMICAL FEED TANK									
MARK	MODEL N.S. ①	TANK VOLUME GALS.	PUMP GPM @ 50PSIG	ELECTRICAL DATA		PHYSICAL DATA		REMARKS	
				SERVICE	AMPS	(IN)	WEIGHT (LBS)		
	SF-100-D-P	55	1.0	120/1/60	0.7	24"X 50" H	125	REFER TO ②③	
<div><div>NOTES</div><div>① AS MANUFACTURED BY "AXIOM INDUSTRIES". ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ③ PROVIDE INTEGRAL DUPLEX PUMPS, INLET STRAINER, CHECK VALVE, THERMAL CUTOFF SWITCH, PRESSURE SWITCH, PRE-CHARGED ACCUMULATOR TANK WITH EPDM DIAPHRAGM, DIVERTER VALVE, ADJUSTABLE PRESSURE REGULATING VALVE, FLEXIBLE HOSE CONNECTOR KIT, FIELD MOUNTED LOW LEVEL ALTERNATING ALARM CONTROL PANEL, MONITORING DRY CONTACTS AND SF100 CONTAINMENT TANK.</div></div>									

SCHEDULE OF EXISTING AIR HANDLING UNITS											
GENERAL DATA				SUPPLY FAN DATA			HEATING DATA TOTAL BTU/HR.	FILTER DATA QTY. & SIZE	REMARKS		
MARK	SERVICE	MODEL No. ①	MIN. O.A. CFM	MAX. O.A. CFM	EXT. S.P. IN. H ₂ O	RPM					
	GYM	39L08	1500	3,000	3,000	0.5	900	3	208/3/60	357,000	36 (2)16x20x2 (2)16x25x2 REFER TO ②③④
	GYM	39L08	1500	3,000	3,000	0.5	900	3	208/3/60	357,000	36 (2)16x20x2 (2)16x25x2 REFER TO ②③④
<div><div>NOTES</div><div>① AS MANUFACTURED BY "CARRIER CORP.". ② INSTALL PER MANUFACTURERS RECOMMENDATIONS. ③ HEATING CAPACITY BASED ON 160° EWT AND 140° LWT. DESIGN AIR CONDITIONS: SUMMER: OA (94°/75°) RA (77°/65°); OA (97°/37°) RA (70°/58°). ④ CLEAN REFURBISH, AND REBALANCE EXISTING HORIZONTAL AIR HANDLING UNITS TO SPECIFIED PERFORMANCES. EXISTING STEAM COIL SECTION SHALL BE FULLY CLEANED AND ABANDONED. EXISTING CHILLED WATER COIL SHALL BE CONVERTER TO DUAL TEMPERATURE USE. PROVIDE NEW AUTOMATIC TEMPERATURE CONTROLS AND ASSOCIATE VALVES/EQUIPMENT. REPLACE AIR FILTERS WITH MERV 13 TYPE.</div></div>											

SCHEDULE OF FANS												
MARK	SERVICE	LOCATION	TYPE	MODEL No.	CFM	EXT. S.P. IN. H ₂ O	RPM	HP (WATTS)	ELECTRIC SERVICE	PHYSICAL DATA LxWxH	WEIGHT	REMARKS
	BOILER RM	CEILING	IN-LINE	BSQ160	3000	1.0	1725	1.5	208/3/60	29X29X29	200	③④
	BOILER RM	CEILING	IN-LINE	TRV18-EC	1485	.5	1800	.75	208/1/60	28X27X32	80	③⑤
	CLASSROOMS	ROOF	CENTRIF	—	5500	.25	1725	0.75	FIELD VERIFY			⑥
	CAFETERIA	ROOF	CENTRIF	—	4000	.5	1800	.75	208/3/60			⑥
	TOILET RMS	ROOF	CENTRIF	—	500	.25	1725	.125	120/1/60			⑥
	CLASSROOMS	ROOF	CENTRIF	—	10500	.5	1725	2.0	FIELD VERIFY			⑥
	KITCHEN	PENTHOUSE	UTILITY	—	2940	.5	1725	.75	208/3			⑥
	CORRIDOR	CEILING	IN-LINE	—	900	.25	1725	.125	FIELD VERIFY			⑥
	GYM	PENTHOUSE	UTILITY	—	6300	.5	1725	1.0	208/3			⑥
	LOCKER RMS	CEILING	IN-LINE	—	1150	.25	1725	.25	FIELD VERIFY			⑥
	TOILET RMS	CEILING	IN-LINE	—	800	.25	1725	.125	FIELD VERIFY			⑥
	TOILET RMS	CEILING	IN-LINE	—	1600	.25	1725	.25	FIELD VERIFY			⑥
	TOILET RMS	ROOF	CENTRIF	—	900	.25	1725	.25	120/1/60			⑥
	TOILET RMS	ROOF	CENTRIF	—	900	.5	1725	.5	120/1/60			⑥

<div><div>NOTES</div><div>① AS MANUFACTURED BY "GREENHECK" ② AS MANUFACTURED BY "US DRAFT CO." ③ INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ④ PROVIDE GRIP NOTCH BELT WITH TWO SPARES, AUTO BELT TENSIONER, VFD WITH VFD RATED MOTOR, MOTORIZED DAMPER, MOUNTING HARDWARE, SPRING ISOLATORS, COMPANION FLANGES, OUTLET GUARD, MOTOR COVER, NAME PLATE INDICATING TOTAL CFM, TOTAL STATIC PRESSURE. ⑤ PROVIDE DIRECT DRIVE DRAFT INDUCER FAN WITH 316L STAINLESS STEEL HOUSING, CONDENSATE DRAIN, 378/705 UL RATINGS, REMOTE MOUNTED VENT CONTROL SYSTEM PANEL, MODEL V-250 (120/1/60), ASSOCIATED PRESSURE SENSORS, DIFFERENTIAL PRESSURE SWITCH, TUBING, ALARMS AND DRAFT CONNECTOR MOTORIZED DAMPERS WITH ACTUATORS AND CONTROLLERS TO MAINTAIN REQUIRED PRESSURES. ⑥ EXISTING CEILING/FLOOR/CRAWL SPACE/ROOF MOUNTED EXHAUST FANS SHALL BE COMPLETELY REFURBISHED AND RE-BALANCED TO INDICATED FAN PERFORMANCES. UNITS SHALL BE</div></div>
