PUMP SCHEDULE

UNIT DESIG	SERVICE	GPM	FT HD	SIZE (IN)	HP	VOLTAGE	RPM	DIAG NO	MANUFACTURER'S MODEL NO	NOTES
P-1	BOILER 1 CIRCULATOR	142	25	3x3	1.5	208V-3ø	1760	1/M5.1	TACO MODEL KV3006	-
P-2	BOILER 2 CIRCULATOR	142	25	3x3	1.5	208V-3ø	1760	1/M5.1	TACO MODEL KV3006	-
P-3	BOILER 3 CIRCULATOR	142	25	3x3	1.5	208V-3ø	1760	1/M5.1	TACO MODEL KV3006	-
P-4	BOILER 4 CIRCULATOR	142	25	3x3	1.5	208V-3ø	1760	1/M5.1	TACO MODEL KV3006	-
P-5	BOILER 5 CIRCULATOR	142	25	3x3	1.5	208V-3ø	1760	1/M5.1	TACO MODEL KV3006	-
P-6	HEATING WATER (UPPER SCHOOL)	325	90	3x2.5	15	208V-3ø	1760	1/M5.1	TACO MODEL FI2510	-
P-7	HEATING WATER (UPPER SCHOOL)	325	90	3x2.5	15	208V-3ø	1760	1/M5.1	TACO MODEL FI2510	1
P-8	HEATING WATER (OLD LIBRARY)	45	40	2.5x1.5	1	208V-3ø	1760	1/M5.1	TACO MODEL FI1207	-
P-9	HEATING WATER (LOWER WEST WING)	27	35	2x1.25	3/4	208V-3ø	1760	1/M5.1	TACO MODEL FI1207	-
P-10	HEATING WATER (CONVENT)	TBD	TBD	TBD	7.5	208V-3ø	1760	1/M5.1	TACO MODEL FI1511	1,3
P-11	HEATING WATER (CONVENT)	TBD	TBD	TBD	7.5	208V-3ø	1760	1/M5.1	TACO MODEL FI1511	1,3
P-12	POOL	TBD	TBD	TBD	5	208V-3ø	1760	5/M5.2	TBD	2,3
P-13	HEATING WATER (CONMBUSTION AIR UNITS)	31	25	1.5x1.5	1/2	120V-1ø	1760	1/M5.1	TACO MODEL 1615	-

NOTES:

1. STAND-BY PUMP.
2. BASE BID - REMOVE EXISTING AND REINSTALL PUMP; BID ALTERNATE - REMOVE EXISTING PUMP AND REPLACE WITH NEW OF SAME DUTY. SEE DIAGRAM (5/M5.2) FOR ADDITIONAL WORK.
3. CONTRACTOR SHALL CONFIRM FLOW AND DISCHARGE HEAD OF PUMP AND IMPELLER SIZE; REPLACE PUMP WITH A NEW PUMP OF SAME CAPACITY.

HVAC DUCT CONSTRUCTION SCHEDULE

DUCT PRESSURE CLASS REQUIREMENTS

SYSTEM	SMACNA DUCT PRESSURE CLASS (INCHES WC)							SPECIFIC NOTES
	SUPPLY	RETURN		EXHAUST		OUTSIDE AIR		
	DISCHARGE	DISCHARGE	SUCTION	DISCHARGE	SUCTION	DISCHARGE	SUCTION	
OUTDOOR AIR	-	-	-	-	-	-	2.0	
RELIEF AIR	-	-	-	-	-	-	2.0	

GENERAL:

A. COMBUSTION AIR DUCTS (RA & OA) AND INLET PLENUMS SHALL BE CONSTRUCTED SAME AS RETURN DUCTS.

SPECIFIC NOTES:

1. DUCT LEAKAGE TESTING NOT REQUIRED

MISCELLANEOUS EQUIPMENT SCHEDULE

ITEM	DESCRIPTION/CAPACITY	MANUFACTURER AND MODEL NO.
BOILER 1 THRU BOILER 5	BOILER: PACKAGED MODULAR CAST IRON SECTIONAL; 1701 MBH GROSS INPUT, 1413 GROSS IBR OUTPUT, 1229 NET IBR OUTPUT; 42.2 BOILER HP; 80 PSI RATED WORKING PRESSURE WITH 60 PSI RELIEF VALVE. PROVIDE WITH INSULATED JACKETS. BURNER: 1/2 HP; 3450 RPM AT 120V-1ø, NATURAL GAS FIRED AT 1703 MBH CAPACITY; 5" WC GAS INLET PRESSURE AT CONTROL VALVE. BURNER OPERATION SHALL BE LOW-HIGH-LOW.	WEIL-MCLAIN MODEL BG-688-WF POWERFLAME MODEL WCR-2-G-15
EXPANSION TANK ET-1 AND ET-2	SERVING HEATING WATER SYSTEM. VERTICAL, BASE MOUNTED, DIAPHRAGM TYPE EXPANSION/COMPRESSION TANK, 160 GALLON VOLUME PER TANK, 100 GALLON ACCEPTANCE PER TANK, 20 PSI INITIAL CHARGE, ASME LABEL (30" DIA. x 68"H)	TACO MODEL CBX-600
AIR SEPARATOR AS-1	SERVING BUILDING HEATING WATER SYSTEM. PROVIDE UNIT COMPLETE WITH 6" FLANGED CONNECTIONS, ASME LABEL, AND WITHOUT STRAINER. 5 FT. MAX WPD; OVERALL SIZE: 14" O.D. x 26 1/2" TALL.	TACO MODEL 4906-A
COMBUSTION/ VENTILATION SUPPLY FAN SF-1	COMBUSTION AIR SYSTEM WITH FILTER, INTEGRAL FACE AND BYPASS (IFB) HEATING COIL AND SUPPLY FAN-HORIZONTAL CONFIGURATION. ACCESS DOORS FOR FILTER REPLACEMENT AND MOTOR ACCESS SHALL BE ON BOTTOM OF UNIT. PROVIDE OPTIONAL 2-SPEED DUAL WINDING MOTOR. FILTERS: ANGLED FILTER SECTION WITH 1" DISPOSABLE FILTERS, 5.0 SF MIN. COIL: 0° F EAT, 60° F LAT(MIN), 180° F EWT, 13 GPM, 10' MAX WPD 0.5" MAX APD, ALUMINUM FINS ON COPPER TUBES. PROVIDE INTEGRAL IFB DAMPER. FAN: 2000 CFM, 0.3" ESP, 1/4 HP, 120V-1ø MOTOR, PROPELLER FAN WITH DIRECT DRIVE MOTOR. PROVIDE WITH INTEGRAL DISCHARGE PLENUM WITH HORIZONTAL AND VERTICAL VANES.	L J WING MODEL FAS-U-22
COMBUSTION/ VENTILATION SUPPLY FAN SF-2	COMBUSTION AIR SYSTEM WITH FILTER, INTEGRAL FACE AND BYPASS (IFB) HEATING COIL AND SUPPLY FAN-HORIZONTAL CONFIGURATION. ACCESS DOORS FOR FILTER REPLACEMENT AND MOTOR ACCESS SHALL BE ON BOTTOM OF UNIT. PROVIDE OPTIONAL 2-SPEED DUAL WINDING MOTOR. FILTERS: ANGLED FILTER SECTION WITH 1" DISPOSABLE FILTERS, 5.0 SF MIN. COIL: 0° F EAT, 60° F LAT(MIN), 180° F EWT, 13 GPM, 10' MAX WPD 0.5" MAX APD, ALUMINUM FINS ON COPPER TUBES. PROVIDE INTEGRAL IFB DAMPER. FAN: 2000 CFM, 0.3" ESP, 1/4 HP, 120V-1ø MOTOR, PROPELLER FAN WITH DIRECT DRIVE MOTOR. PROVIDE WITH INTEGRAL DISCHARGE PLENUM WITH HORIZONTAL AND VERTICAL VANES.	L J WING MODEL FAS-U-22
COMBUSTION/ VENTILATION SUPPLY FAN SF-3	COMBUSTION AIR SYSTEM WITH FILTER, INTEGRAL FACE AND BYPASS (IFB) HEATING COIL AND SUPPLY FAN-HORIZONTAL CONFIGURATION. ACCESS DOORS FOR FILTER REPLACEMENT AND MOTOR ACCESS SHALL BE ON BOTTOM OF UNIT. FILTERS: ANGLED FILTER SECTION WITH 1" DISPOSABLE FILTERS, 5.0 SF MIN. COIL: 0° F EAT, 60° F LAT(MIN), 180° F EWT, 5.2 GPM, 10' MAX WPD 0.5" MAX APD, ALUMINUM FINS ON COPPER TUBES. PROVIDE INTEGRAL IFB DAMPER. FAN: 800 CFM, 0.2" ESP, 1/6 HP, 120V-1ø MOTOR, PROPELLER FAN WITH DIRECT DRIVE MOTOR. PROVIDE WITH INTEGRAL DISCHARGE PLENUM WITH HORIZONTAL AND VERTICAL VANES.	L J WING MODEL FAS-U-17

95% CD
NOT FOR CONSTRUCTION

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Comm. No. 5806-09

Sym.	REVISIONS	Date

Drawn: ARS
Designed: TGS
Checked: SJH
Approved:

Scale: NONE
Comm No: 5806-09
Date: 4/7/2010

Drawing Title: SCHEDULES

Sheet No: M6.1