

BOILERS - HOT WATER													
DESIGNATION	REFERENCE PRODUCT	TYPE	FUEL	NATURAL GAS INPUT (MBH)	HEATING OUTPUT HIGH/LOW (MBH)	RATED PRESSURE (PSIG)	FLUE DIAMETER (INCHES)	OPERATING WEIGHT (LBS)	VOLTS	PHASE	CONTROLS (VOLTS)	FLA	REMARKS
B-1	LOCHINVAR FTX725	HOT WATER	NATURAL GAS	725	705 / 100	160	6	672	120	1	24	6	PROVIDE WITH CONDENSATE NEUTRALIZATION KIT, A 115/1 VARIABLE SPEED BOILER PUMP EQUAL TO LOCHINVAR 100208411 WITH 2.5 MAX AMPS, AND TWO WAY MOTORIZED VALVE KIT EQUAL TO LOCHINVAR 100339075.
B-2	LOCHINVAR FTX725	HOT WATER	NATURAL GAS	725	705 / 100	160	6	672	120	1	24	6	PROVIDE WITH CONDENSATE NEUTRALIZATION KIT, A 115/1 VARIABLE SPEED BOILER PUMP EQUAL TO LOCHINVAR 100208411 WITH 2.5 MAX AMPS, AND TWO WAY MOTORIZED VALVE KIT EQUAL TO LOCHINVAR 100339075.

PUMPS												
DESIGNATION	REFERENCE PRODUCT	LOCATION	SERVES	TYPE	WATER FLOW RATE (GPM)	ROTATION (RPM)	EFFICIENCY (%)	MOTOR SIZE		ELECTRICAL		REMARKS
								BHP	MHP	VOLTS	PHASE	
HWP-1	ARMSTRONG 4030 3x1.5x10	BOILER ROOM	HOT WATER	END SUCTION	100	1,800	67	3.51	5	240	1	PROVIDE WITH WALL MOUNTED VFD REFER TO VFD SCHEDULE.
CHP-1	ARMSTRONG 4030 3x2x10	BOILER ROOM	CHILLED WATER	END SUCTION	190	1,800	67	5.54	7.5	240	1	PROVIDE WITH WALL MOUNTED VFD REFER TO VFD SCHEDULE.
H/CHP-1	ARMSTRONG 4030 3x2x10	BOILER ROOM	SWING PUMP	END SUCTION	190	1,800	67	5.54	7.5	240	1	PROVIDE WITH WALL MOUNTED VFD REFER TO VFD SCHEDULE.

VARIABLE FREQUENCY DRIVES						
DESIGNATION	REFERENCE PRODUCT	LOCATION	SERVES	RATED HORSEPOWER	VOLTS	PHASE
VFD-HWP-1	ABB	BOILER ROOM	HWP-1	5	240	1
VFD-CHP-1	ABB	BOILER ROOM	CHP-1	7.5	240	1
VFD-H/CHP-1	ABB	BOILER ROOM	H/CHP-1	7.5	240	1

EXPANSION TANKS											
DESIGNATION	REFERENCE PRODUCT	SERVES	TYPE	MINIMUM TEMPERATURE (DEGREE F)	MAXIMUM TEMPERATURE (DEGREE F)	INITIAL TANK AIR PRESSURE (PSIG)	MAXIMUM PRESSURE (PSIG)	MINIMUM TANK SIZE (GALLONS)	MINIMUM ACCEPTANCE (GALLONS)	TANK DIAMETER (INCHES)	TANK LENGTH (INCHES)
ET-1	AMTROL AX-80	HEATING WATER	DIAPHRAGM	40	180	70	40	44.4	22.6	24	29

AIR AND DIRT SEPERATORS									
DESIGNATION	REFERENCE PRODUCT	SERVES	PIPE CONNECTION SIZE (INCHES)	MAXIMUM HEIGHT (INCHES)	MAXIMUM WIDTH (INCHES)	MAXIMUM FLOW RATE (GPM)	WATER VOLUME (GALLONS)	MAXIMUM PRESSURE DROP (FT. WATER)	MAX VELOCITY (FT/SEC)
AS-1	SPIROTHERM VDT300FA	HEATING WATER	3	31.4	20.2	100	100	1.00	4

REVISIONS:		
No.	Description	Date

CONSTRUCTION DOCUMENTS

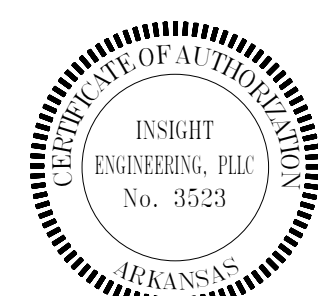
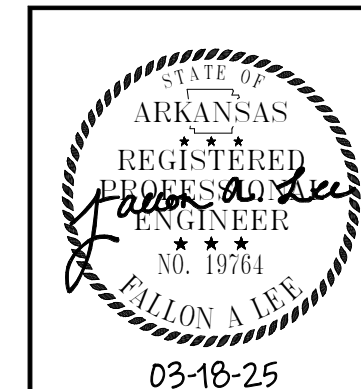
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