GENERAL NOTES:
1. SEE DRAWING M000 FOR NOTES, LEGENDS, AND ABBREVIATIONS.

AIR COOLED CHILLER SCHEDULE

TAG	MANUFACTURER	MODEL	CAPACITY		GPM	EWT (°F)	LWT (°F)	WPD (FT)	FULL LOAD EER	IPLV EER	ELECTRICAL				
			TONS	MBH							VOLTAGE	COMPR. KW	COND FAN KW	MCA	MOCP
CH 1	DAIKIN	AGZ046E	41	492	130	48	42	7	10.8	16.6	460	-	-	97	110
CH 2	DAIKIN	AGZ046E	41	492	130	54	48	7	10.8	16.6	460	-	-	97	110

NOTES:
1. PROVIDE CHILLER WITH EVAPORATOR HEAT TRACED AND INSULATED TO MAINTAIN A MINIMUM TEMPERATURE OF 40°F WITH AMBIENT TEMPERATURE OF 0°F.

BOILER SCHEDULE

TAG	MANUFACTURER	MODEL #	LOCATION	NAT. GAS INPUT MBH	NAT. GAS OUTPUT MBH	EWT °F	LWT °F	GPM	ΔT°F	ΔP (FT.)	VOLT	PH	HZ	AMPS	SHIPPING WEIGHT LBS
B 1	LOCHINVAR	KBX0650N	MECHANICAL ROOM	650	631	160	190	45	30	-	120	1	60	-	460
B 2	LOCHINVAR	KBX0650N	MECHANICAL ROOM	650	631	160	190	45	30	-	120	1	60	-	460

NOTES:
1. SECONDARY BOILER LOOP IS DESIGNED FOR A 20°F CHANGE IN TEMPERATURE (160-180).

ELECTRIC UNIT HEATER SCHEDULE

UNIT NO	MFG. SIZE, & MODEL	TYPE	HEAT THROW FT	KW	VOLTS / PHASE	REMARKS
UH 1	MODINE HER30	HORIZONTAL UNIT HEATER	12	3.0	208 / 1	INSTALL UNITS PER MANUFACTURERS SPECIFICATIONS. CONFIRM HEIGHT CLEARANCES PRIOR TO MOUNTING. PROVIDE POWER DISCONNECT SWITCH ACCESSORY AND T-STAT. 2

POT FEEDER SCHEDULE

TAGS	TYPE	MANUFACTURER	MODEL	MAX PRESSURE	CAPACITY	FILTER MICRON	ASME STAMP	COMMENTS
PF #	FILTERED FEEDERS	NEPTUNE	FTF-5150DB	300 PSI	7½ GALLONS	20-MICRON	YES	PROVIDE WITH POT FEEDER LEGS. PROVIDE STAINLESS STEEL BASKET.

HOT WATER COIL SCHEDULE

TAG	MANUFACTURER	MODEL	SIZE	AIRFLOW (CFM)	HOT WATER HEATING COIL						COMMENTS
					MBH	GPM	EAT/LAT	EWT/LWT	ROWS	WPD (FT. W.G.)	
RHC 1	USA COIL & AIR		20X18	850	32.1	3.3	55/90	180/160	2	< 3'	ALL
RHC 2	USA COIL & AIR		16X16	450	17.0	1.7	55/90	180/160	2	< 3'	ALL
RHC 3	USA COIL & AIR		16X16	625	23.6	2.4	55/90	180/160	2	< 3'	ALL
RHC 4	USA COIL & AIR		16X16	375	14.2	1.4	55/90	180/160	2	< 3'	ALL
RHC 5	USA COIL & AIR		16X16	200	7.6	0.8	55/90	180/160	2	< 3'	ALL
RHC 6	USA COIL & AIR		16X16	900	34.0	3.5	55/90	180/160	2	< 3'	ALL
RHC 7	USA COIL & AIR		16X16	1,550	58.6	6.0	55/90	180/160	2	< 3'	ALL

PUMP SCHEDULE

TAG	PIPING SYSTEM	MANUFACTURER, SIZE, & MODEL	TYPE	DESIGN CAPACITY (GPM)	DESIGN HEAD (FT)	MOTOR RPM	MOTOR (H.P.)	VOLTS / PHASE	REMARKS
CWP 1	CHILLED WATER	BELL & GOSSETT SERIES E-1510 2GB	BASE MOUNTED	130	50	1200	5	460 / 3	-
CWP 2	CHILLED WATER	BELL & GOSSETT SERIES E-1510 2GB	BASE MOUNTED	130	50	1200	5	460 / 3	-
HWP 1	HEATING HOT WATER	BELL & GOSSETT SERIES E-80SC 3X3X11B	INLINE	95 MAX 45 MIN	60	1800	5	460 / 3	VFD TO BE FURNISHED BY CONTROLS CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
HWP 2	HEATING HOT WATER	BELL & GOSSETT SERIES E-80SC 3X3X11B	INLINE	95 MAX 45 MIN	60	1800	5	460 / 3	VFD TO BE FURNISHED BY CONTROLS CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
HWP 3	HEATING HOT WATER	BELL & GOSSETT SERIES E-80SC 3X3X11B	INLINE	95 MAX 45 MIN	60	1800	5	460 / 3	VFD TO BE FURNISHED BY CONTROLS CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
BP 1	BOILER #1	BELL & GOSSETT SERIES E-90 2AAC	INLINE	45	10	1725	0.5	120 / 1	-
BP 2	BOILER #2	BELL & GOSSETT SERIES E-90 2AAC	INLINE	45	10	1725	0.5	120 / 1	-

AIR SEPARATOR SCHEDULE

SYMBOL	MANUFACTURER	MODEL NUMBER	MAX WORKING PRES.	MAX OPERATING TEMP.	REMARKS
AS 1	SPIROTHERM	VDN-300FA	125 PSI	350°F	PROVIDE FLANGE CONNECTIONS
AS 2	SPIROTHERM	VDN-300FA	125 PSI	350°F	PROVIDE FLANGE CONNECTIONS

EXPANSION TANK SCHEDULE

SYMBOL	MANUFACTURER	MODEL NUMBER	TYPE	ACCEPTANCE VOLUME	FULL WEIGHT	OPERATING PRESSURE	NOTES
ET 1	BELL & GOSSETT	D-60V	HORIZONTAL	11.3 GAL	390 LBS	35 PSI	125 PSIG (ASME) @ 240°F, CARBON STEEL SHELL, HEAVY DUTY BUTYL RUBBER DIAPHRAGM. HYDRONIC WATER RATED.
ET 2	BELL & GOSSETT	D-60V	VERTICAL	11.3 GAL	390 LBS	35 PSI	125 PSIG (ASME) @ 240°F, CARBON STEEL SHELL, HEAVY DUTY BUTYL RUBBER DIAPHRAGM. HYDRONIC WATER RATED.

NOTES:
1. CONTRACTOR TO PRE-CHARGE EXPANSION TANK TO OPERATING PRESSURE.

INFRARED HEATER SCHEDULE

TAG	MANUFACTURER	MODEL	NAT GAS INPUT (MBH)		TUBE LENGTH	TUBE MATERIAL	NATURAL GAS SUPPLY PRESS.	ELECTRICAL		REMARKS
			HIGH	LOW				VOLTAGE	AMP	
IH TYP	REZNOR	VCTN60A	60	45	30'	STAINLESS STEEL	7" W.C.	120/1 60	1.2	ALL NOTES

NOTES:
1. PROVIDE TWO-STAGE REMOTE THERMOSTAT
2. PROVIDE ALL ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION INCLUDING BUT NOT LIMITED TO STAINLESS STEEL END CAPS, HANGER KIT.
3. HEATER SHALL BE SUITABLE FOR INSTALLATION IN HARSH ENVIRONMENT.
4. PROVIDE DUCTED COMBUSTION AIR INTAKE WITH FLEXIBLE CONNECTION AT HEATER.
5. PROVIDE POSITIVE PRESSURE, CATEGORY III VENT AT HEATER EXHAUST.
6. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. MAINTAIN ALL RECOMMENDED CLEARANCES FROM COMBUSTIBLES. CONTRACTOR SHALL POST SIGNS INDICATING REQUIRED CLEARANCES FROM HEATER IN ALL LOCATIONS HEATER IS INSTALLED.

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PROJECT TITLE

MILFORD POLICE DEPARTMENT

401 NE FRONT STREET
CITY OF MILFORD
KENT COUNTY, DE

SHEET TITLE

MECHANICAL - SCHEDULES (3 OF 3)

8' 4' 0' 8'
SCALE : 1/8" = 1'-0"

ISSUE BLOCK

Mark	Date	Description
2	09.19.2022	FIELD BULLETIN #1
	05.04.2022	Conformed Set
1	03.17.2022	Addendum #4
0	02.18.2022	Issued for Bid

PROJECT NO: 19P077
DATE: 02/21/22
SCALE:
DRAWN BY: JMP | PROJ MGR: MJL

M602

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