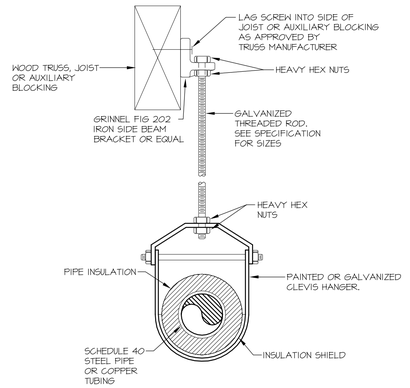
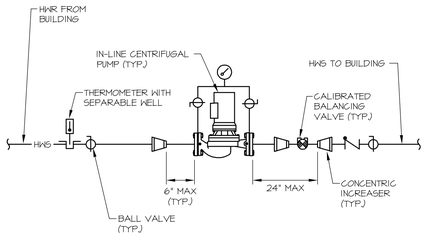


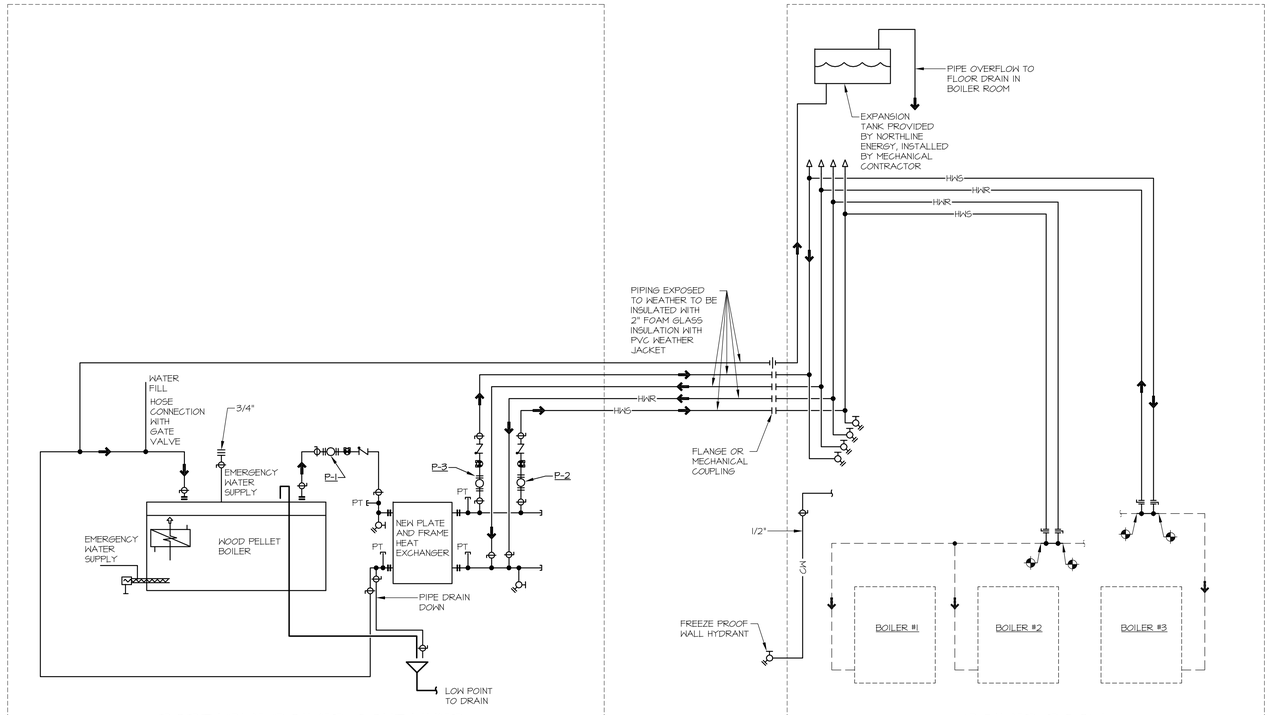
A1 — Detail Showing Attachment of Piping to Structure

NOT TO SCALE | M-001 | 123456.00.E



B1 — In-Line Centrifugal Pump Detail

NOT TO SCALE | M-001 | 123456.00.E



B2 — Schematic

NOT TO SCALE | M-001 | 123456.00.E

SYMBOLS & ABBREVIATIONS

- EXISTING PIPING TO REMAIN
- EXISTING PIPING TO BE REMOVED (DEMOLITION PLAN ONLY)
- CW — COLD WATER
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- PIPING OFFSET UP
- PIPING OFFSET DOWN
- BRANCH TAKEOFF FROM PIPING MAIN
- BALL VALVE
- GATE VALVE
- WATER PRESSURE REDUCING VALVE
- PIPE UNION
- ECCENTRIC PIPE REDUCER
- CONCENTRIC PIPE REDUCER
- CHECK VALVE
- CALIBRATED WATER BALANCE VALVE
- FUSIBLE LINK VALVE
- PRESSURE GAUGE WITH GAUGE COCK
- PIPELINE STRAINER WITH BLOWDOWN
- DIRECTION OF FLOW
- PIPE CAP
- TP — PRESSURE / TEMPERATURE FITTING
- HOSE END DRAIN VALVE WITH CAP AND CHAIN
- GATE VALVE BLOWDOWN WITH HOSE END CONNECTION
- PRESSURE RELIEF VALVE
- THERMOMETER WITH SEPERABLE WELL
- MANUAL AIR VENT
- CONNECT NEW TO EXISTING
- TYP. — TYPICAL
- E/ — EXISTING
- DN — DOWN

FLATE PLATE HEAT EXCHANGER SCHEDULE

TAG	MANUFACTURER	MODEL	SIDE 1 EWT (°F)	SIDE 1 LWT (°F)	SIDE 1 GPM	SIDE 1 FLUID	SIDE 1 ΔP	SIDE 2 EWT (°F)	SIDE 2 LWT (°F)	SIDE 2 GPM	SIDE 2 FLUID	SIDE 2 ΔP	REMARKS
HE-1	API HEAT TRANSFER												NOTE: 1

NOTES:
1. DIMENSIONS: LENGTH XX", WIDTH XX", HEIGHT XX".

PUMP SCHEDULE

TAG	MANUFACTURER	SERIES	SERVICE	GPM	FT. HD.	CONNECTION S	CONNECTION D	ELECTRIC HP	ELECTRIC PH	ELECTRIC VOLTS	RPM	REMARKS
P-1	TACO											NOTE: 1
P-2	TACO											NOTE: 1
P-3	TACO											NOTE: 1

NOTES:
1. DICONNECT BY ELECTRICAL.

northline energy
knowledgeable · responsive · cost-efficient

University of Maine
C.C.A.R.
Franklin, Maine

DAI
DiGIORGIO ASSOCIATES INC.
ARCHITECTURE
PLANNING
INTERIOR DESIGN
ENGINEERING

■ BOSTON
225 FRIEND STREET
BOSTON, MA 02114
TEL. 617.723.7100
FAX. 617.723.9113

■ MAINE
484 MAINE AVE., SUITE 2B
FARMINGDALE, ME 04344
TEL. 207.582.2400
FAX. 207.582.8320

CONSULTANT:

KEY PLAN:

ISSUE:

LETTER:	DATE:	DESCRIPTION:
A	02/22/12	PROGRESS SET

REVISION:

NO:	DATE:	DESCRIPTION:

DRAWING TITLE:
DETAILS & SCHEDULES

DRAWN BY: MEB
CHECKED BY: MFK
SCALE: AS NOTED
PROJECT NO.: 123456.00.E
SEAL:

DRAWING NO.:
M-001

CAD FILE NAME:
R:\Dwg - Engineering\123456.00.E Northline Energy - Franklin Fish Hatchery\Project\Sheets\Drawing Set\Mechanical\M-001.dwg

Wednesday, February 22, 2012 - 3:09:10 PM - mbenner