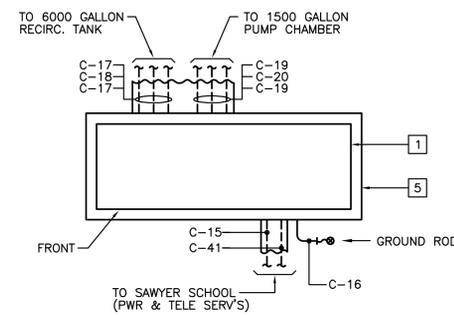
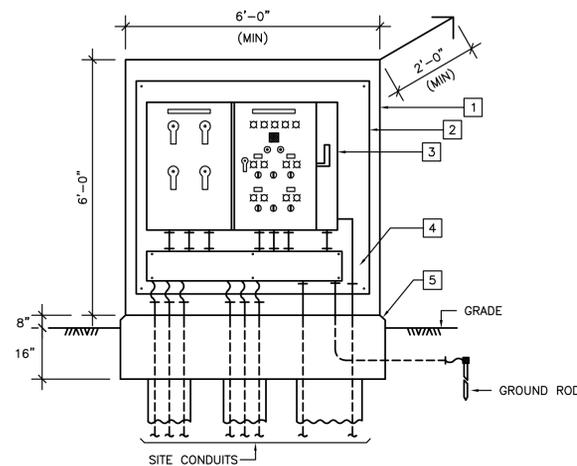


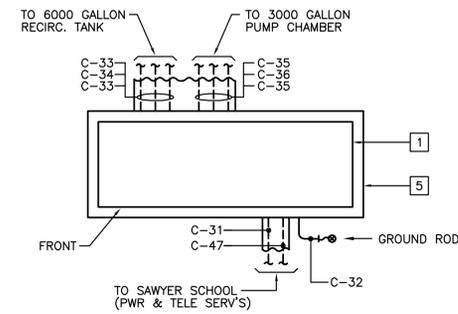
ELECTRICAL ENCLOSURE #1 ELEVATION
SCALE: 1/2" = 1'-0"



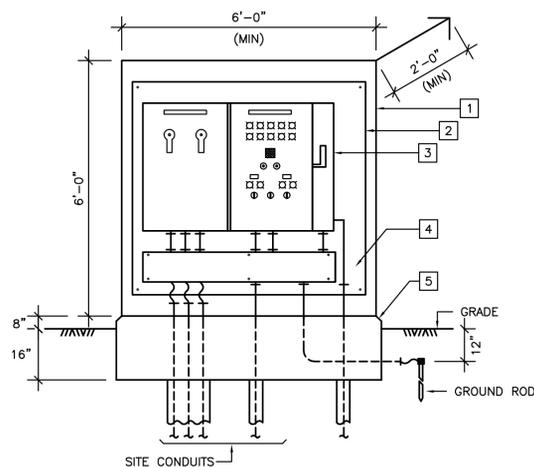
ELECTRICAL ENCLOSURE #1 POWER PLAN
SCALE: 1/2" = 1'-0"



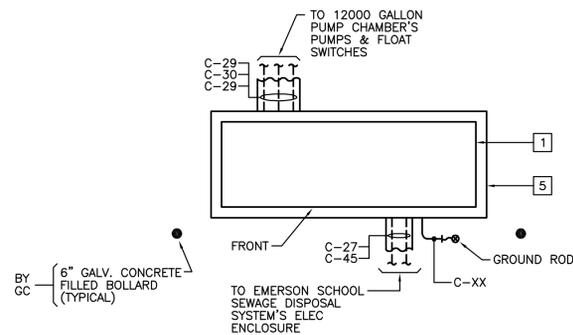
ELECTRICAL ENCLOSURE #3 ELEVATION
SCALE: 1/2" = 1'-0"



ELECTRICAL ENCLOSURE #3 POWER PLAN
SCALE: 1/2" = 1'-0"



ELECTRICAL ENCLOSURE #2 ELEVATION *
SCALE: 1/2" = 1'-0"



ELECTRICAL ENCLOSURE #2 POWER PLAN
SCALE: 1/2" = 1'-0"

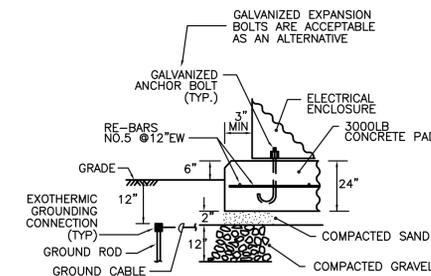
- ELECTRICAL ENCLOSURES # 1, 2 & 3 EQUIPMENT LIST**
- 1 PAINTED ALUMINUM OR STAINLESS STEEL NEMA "3R" EQUIPMENT ENCLOSURE. SUPPLIER SHALL VERIFY SIZE BASED UPON "PROPOSED" EQUIPMENT.
 - 2 PAINTED PLYWOOD EQUIPMENT MOUNTING BOARD WITH GALVANIZED HARDWARE
 - 3 PUMPS CONTROL PANEL WITH MOTOR STARTERS, ALARMS, CONTROLS, ETC. SUPPLIER SHALL VERIFY SIZE BASED UPON "PROPOSED" EQUIPMENT.
 - 4 GALVANIZED WIREWAY WITH HINGED TOP COVER (SIZED TO SUIT FOR FIELD WIRING)
 - 5 ELECTRICAL ENCLOSURE CONCRETE SUPPORT PAD WITH 45 DEGREE CHAMBER EDGES. GC SHALL ATTACH ENCLOSURE TO PAD WITH A MINIMUM OF SIX 1/2" DIAMETER GALVANIZED CONCRETE EXPANSION ANCHORS. GC SHALL SILICON CAULK THE ENCLOSURE TO THE PAD TO EXCLUDE WATER.

ELECTRICAL ENCLOSURES SITE WIRING NOTES

- 1 ELECTRICAL CONTRACTOR SHALL FIELD ORIENT THE DUCTBANKS FROM THE ENCLOSURES TO BOTH THE TANKS AND SITE HANDHOLES WHICH SUIT THE FIELD CONSTRUCTION CONDITIONS.
- 2 EC SHALL SEAL THE OPEN ENDS OF THE SUBMERSIBLE PUMPS/FLOATS CABLE'S PVC CONDUIT SLEEVES (AT BOTH ENDS) WITH "DUC-SEAL" CAULKING, AFTER FIELD TESTING.
- 3 EC SHALL FIELD WIRE THE ELECTRICAL ENCLOSURES TO THE FIELD/FACTORY WORK DEMARCATION POINTS. EC'S WORK INCLUDES ALL NECESSARY COORDINATION WITH THE "AS SUPPLIED" ELECTRICAL ENCLOSURES PRIOR TO ANY ROUGH WIRING.
- 4 EC'S WORK INCLUDES FURNISHING/INSTALLING THE ENCLOSURE'S GROUND ROD, RACEWAY AND GROUNDING CABLE AS INDICATED.

ELECTRICAL ENCLOSURES POWER PLANS NOTES

- 1 GENERAL CONTRACTOR SHALL FURNISH THE ELECTRICAL ENCLOSURES WHICH ARE COMPLETELY FACTORY ASSEMBLED, WIRED AND TESTED PRIOR TO SHIPMENT TO THE SITE. GC'S WORK INCLUDES UNLOADING, INSTALLATION AND SUPPORT CONCRETE PAD. ELECTRICAL CONTRACTOR (EC) SHALL FIELD WIRE INCLUDING POWER, CONTROLS, ALARMS AND GROUNDING.
- 2 GC SHALL COORDINATE WITH THE "PROPOSED" NEW PUMPS ON ELECTRICAL POWER, CONTROL AND ALARM REQUIREMENTS PRIOR TO ANY EQUIPMENT RELEASE OR ROUGH WIRING. THE PUMPS CONTROL PANELS SHALL CONTAIN ANY SPECIAL PUMP MOISTURE OR TEMPERATURE RELAYS WHICH ARE REQUIRED BY THE SPECIFIC PUMP MANUFACTURER.
- 3 ALL ELECTRICAL EQUIPMENT LOCATED WITHIN THE ELECTRICAL ENCLOSURE SHALL BE NEMA "1" RATED. ALL ENCLOSURES SHALL BE GALVANIZED OR GALVANIZED PAINTED STEEL FOR CORROSION RESISTANCE.



ELECTRICAL ENCLOSURE CONCRETE PAD DETAIL
NOT TO SCALE

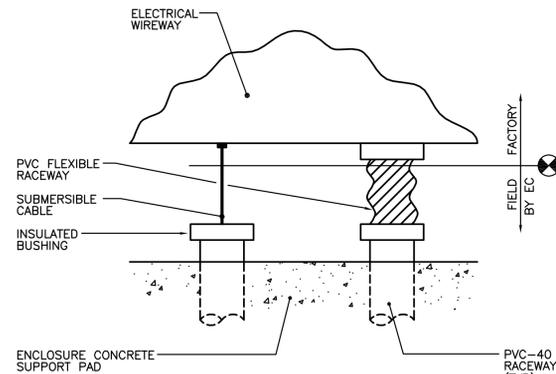
PAD DETAIL NOTES-

- 1 FOR ENCLOSURE PAD LOCATION, REFER TO ELEC SITE PLAN.
- 2 ENCLOSURE CONCRETE SUPPORT PAD, SAND, GRAVEL, ETC BY GENERAL CONTRACTOR.

* ELECTRICAL ENCLOSURE #4 ELEVATION SIMILAR EXCEPT FOR CONDUIT NUMBERS

ELECTRICAL DRAWINGS REFERENCE NOTES

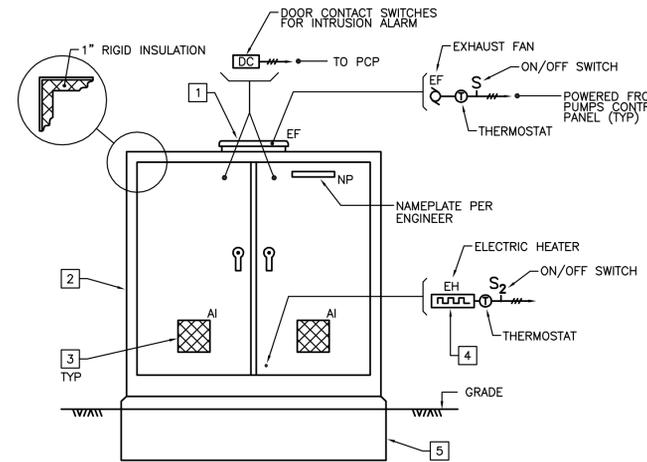
- 1 FOR SYMBOLS, ABBREVIATIONS & GENERAL NOTES, REFER TO DWG # E-1.
- 2 FOR ELECTRICAL SITE PLAN & DETAILS, REFER TO DWGS # E-2 & E-3.
- 3 FOR TANKS POWER PLANS AND DETAILS, REFER TO DWG # E-4.
- 4 FOR ELECTRICAL ENCLOSURES PLANS AND DETAILS, REFER TO DWG # E-5.
- 5 FOR PWR AND TELE SYSTEMS RISER DIAGRAMS, REFER TO DWG # E-6.
- 6 FOR ELECTRICAL DETAILS, REFER TO DWG # E-7.
- 7 FOR ELECTRICAL SCHEDULES REFER TO DWG # E-8.
- 8 FOR ELECTRICAL SPECIFICATIONS, REFER TO DWG # E-9.



TYPICAL ELECTRICAL ENCLOSURE FACTORY/FIELD WIRING DETAIL
NOT TO SCALE

ELECTRICAL ENCLOSURES EXTERIOR ELEVATION LIST

- 1 EXHAUST COOLING FAN WITH COOLING THERMOSTATE WITH LOCKING COVER. PROVIDE INSULATED BLOCKING PLATE FOR WINTER OPERATION. FACTORY WIRED AND TESTED.
- 2 PAINTED ALUMINUM OR STAINLESS STEEL ENCLOSURE WITH STAINLESS STEEL HARDWARE AND KEY/PAD LOCKING HANDLES. PROVIDE ENGRAVED PLASTIC NAMEPLATE PER ENGINEER PLUS RIGID INSULATION AS INDICATED. UNIT SHALL BE NEMA "3R" RATED.
- 3 STAINLESS STEEL AIR INTAKE LOUVERS WITH REPLACEABLE PAPER FILTERS. SUPPLY ONE DOZEN SPARE FILTERS. PROVIDE INSULATED BLOCKING PLATE FOR WINTER OPERATION.
- 4 ELECTRIC BASEBOARD HEATER (CORROSION RESISTANT) WITH HEATING THERMOSTAT WITH LOCKING COVER. SIZED AS REQUIRED TO MAINTAIN 50 DEGREES IN WINTER. FACTORY WIRED AND TESTED.
- 5 CONCRETE SUPPORT PAD BY GENERAL CONTRACTOR. PROVIDE COMPACTED GRAVEL/SAND AND REINFORCING AS INDICATED ON DETAIL.



TYPICAL ELECTRICAL EQUIPMENT ENCLOSURE ELEVATION
SCALE: 1/2" = 1'-0"

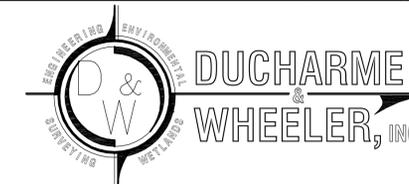
ELECTRICAL ENCLOSURES PLANS & SECTIONS
EMERSON & SAWYER SCHOOLS
SEWAGE DISPOSAL SYSTEM
50 MECHANIC ST. BOLTON, MASS

DWG. NO
E-5

PREPARED FOR: TOWN OF BOLTON P.O. 278 BOLTON, MA 01740
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DATE: JANUARY 13, 2005

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			CHECKED BY:	WPE 1-13-05

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