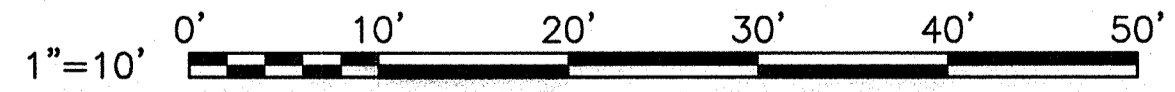


**A** **SITE PLAN**  
 G-101 SCALE: 1"=10'-0"



**NOTES:**

- ALL ELECTRICAL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE (NEC NFPA 70) AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND PROJECT SPECIFICATIONS AND APPLICABLE CODES AND STANDARDS.
- ALL BUILDING PENETRATIONS SHALL BE SEALED WITH A FIRE BLOCK SEALANT TO PREVENT WATER FROM ENTERING THE INTERIOR. ALL PANEL ENTRY PENETRATIONS SHALL UTILIZE MYERS HUBS WITH GROUNDING BUSHINGS.
- ALL CONDUIT / CABLE ROUTING IS SHOWN DIAGRAMMATIC. CONTRACTOR SHALL VERIFY LOCATION AND ROUTING BEFORE INSTALLATION. COORDINATE INSTALLATION WITH OTHER CRAFTS BEFORE INSTALLING CONDUITS, PULL BOXES AS REQUIRED, PANELS, AND DEVICES.
- ALL SHUT DOWN WORK REQUIRED SHALL BE PLANNED AND APPROVED BY THE STATION BEFORE PROCEEDING. PROVISIONS SHALL BE PROVIDED FOR ELECTRICAL POWER DURING SHUTDOWN PERIODS, INCLUDING TEMPORARY GENERATOR, DAY TANK, REQUIRED FUEL AND OPERATOR TECHNICIAN AS REQUIRED.
- AFTER ALL TERMINATIONS, SOLDERING AND TESTING ALL EXPOSED COPPER CONDUCTORS SHALL BE PAINTED TO MATCH SURFACES ON WHICH THEY ARE INSTALLED. WHERE PAINT IS NOT PRACTICAL THE COPPER CONDUCTOR SHALL BE COVERED IN ELECTRICAL TAPE.
- CONTRACTOR SHALL VERIFY ELECTRICAL PHASE ARRANGEMENTS / CONNECTIONS, MAKING ADJUSTMENTS AS REQUIRED, MATCHING THE NEW INSTALLED SYSTEM(S) TO THE EXISTING FACILITIES SYSTEM. NEW PANEL CONNECTIONS TO EXISTING EQUIPMENT SHALL BE VERIFIED BEFORE APPLICATION OF POWER. FACILITIES ENGINEER SHALL BE PRESENT UPON ENERGIZING EQUIPMENT.
- CONDUITS INSTALLED UNDERGROUND SHALL BE PVC COATED RIGID GALVANIZED STEEL. ABOVE GRADE EXTERIOR CONDUITS SHALL BE RIGID GALVANIZED STEEL (RGS), INTERIOR CONDUITS MAY BE ELECTRICAL METALLIC TUBING (EMT).
- CONTRACTOR SHALL COVER COPPER ELECTRICAL GROUNDING BUS BARS AND EXPOSED GROUNDING CABLES ON THE OUTSIDE OF PRECAST MODULES AND THE EXISTING TRANSMITTER BUILDING WITH FIELD FABRICATED SHROUDS. CONTRACTOR SHALL PAINT SHROUDS TO MATCH THE COLOR OF THE BUILDING ON WHICH IT IS MOUNTED. SEE DETAIL 9 ON SHEET E-503.
- CONTRACTOR SHALL INSTALL SURFACE MOUNTED CONDUIT AND WIRING FROM ALL EXTERIOR MODULE LIGHTING FIXTURES TO A SINGLE WIRING POINT PER MODULE. CONDUITS SHALL BE PAINTED TO MATCH THE MODULE COLOR. THE SINGLE POINT CONNECTION FOR THE GENERATOR MODULE SHALL NOT BE LOCATED BELOW THE EMP POWER FILTER ENCLOSURE.
- DEMO EXISTING AUTOMATIC TRANSFER SWITCH, SERVICE ENTRANCE DISCONNECT SWITCH, AND TVSS UNIT. SEE DRAWING E-401. REMOVE CONDUITS AND WIRE BACK TO SOURCE(S) INSTALLING NEW CONDUIT AND WIRE ARE SHOWN ON E-401 AND E-403.
- INSTALL NEW 400 AMPERES ATs WITH INTERNAL TVs. INSTALL A NEW 400 AMPERE DISTRIBUTION POWER PANEL ON REAR WALL AS SHOWN INSURING PROPER CLEARANCES.
- ON THE EXTERIOR REMOVE THE EXISTING SERVICE ENTRANCE CONDUIT BOXES AND CABLING. INSTALL A NEW RISER CONDUIT FOR A 400 AMPERE SERVICE INSTALLING A CT CABINET AND ADJOINING METER BASE. INSTALL A NEW 400 AMPERE SERVICE ENTRANCE DISCONNECT SWITCH



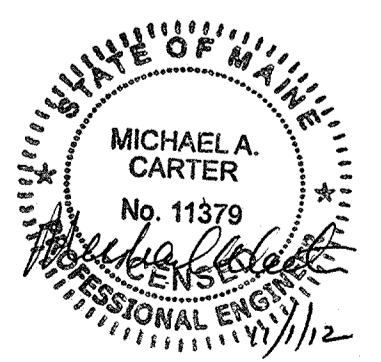
Project Manager	
DC Designer	
Structural	
Mechanical	
Plumbing	
Electrical	
Other	

DESIGNED BY		DATE	
DRAWN BY		DATE	
REVIEWED BY		DATE	
DATE	11/7/12	DATE	
DESCRIPTION	ISSUED FOR CONSTRUCTION	DATE	11/7/12
MARK		DATE	

DESIGNED BY		DATE	2012
DRAWN BY		DATE	
REVIEWED BY		DATE	

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FEMA EMERGENCY RADIO NETWORK  
 ON WGAN PORTLAND, MAINE

**ELECTRICAL  
 SITE PLAN**

Drawing Number:  
**E-101**