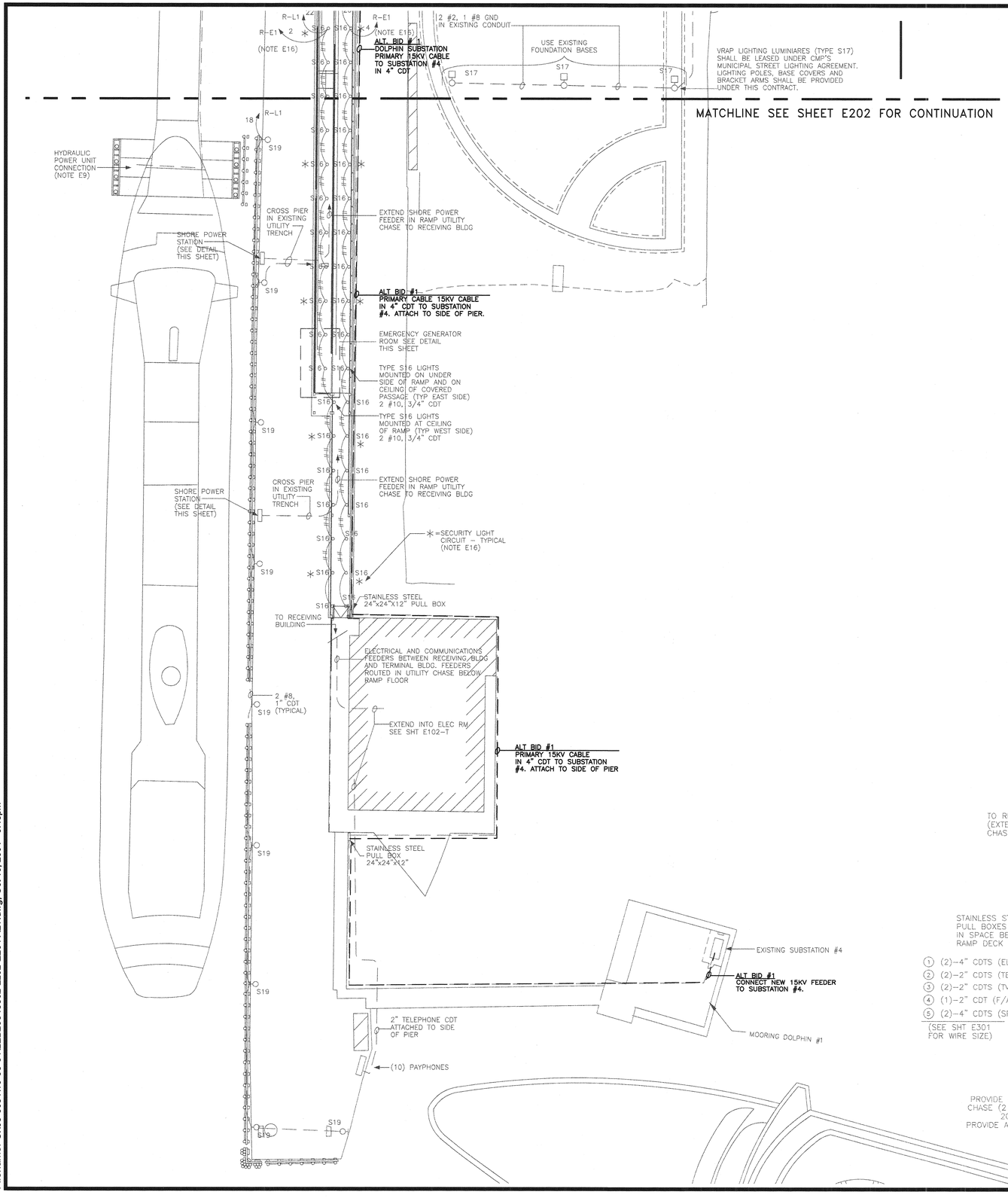
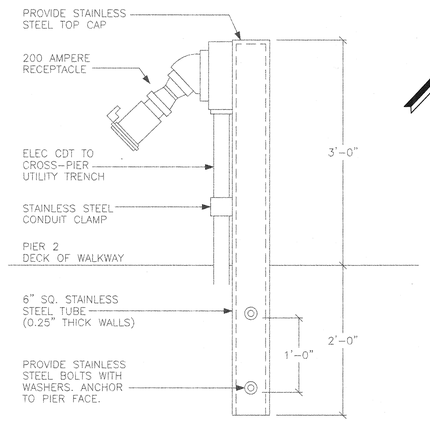
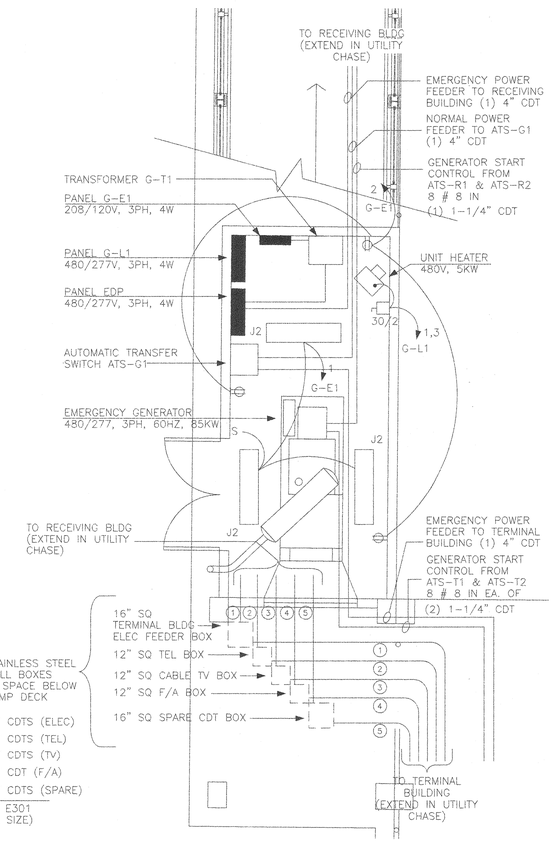




VIEW SHOWN FROM
WEST FACE OF PIER 2



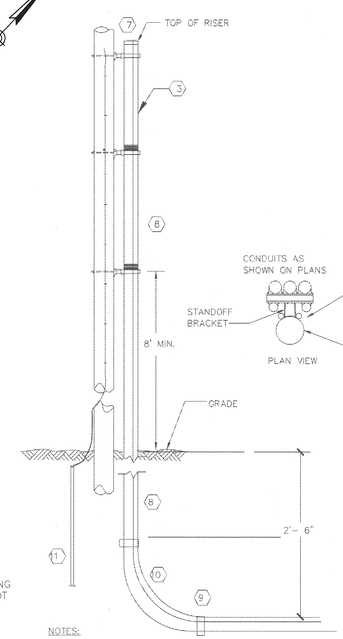
GENERATOR ROOM DETAIL

1/4" = 1'-0"

PROVIDE 4 CIRCUITS FOR HEAT TRACE OF MECHANICAL SYSTEMS PIPING IN RAMP UTILITY CHASE (2 PIPES TO RECEIVING BLDG; 2 PIPES TO TERMINAL BLD). HEAT TRACE SHALL BE 208V, 1PH, 20A, GFI CIRCUIT BREAKERS (G-E1 #3,5 #7,9 #11,13 #8,10)
PROVIDE ALL NECESSARY ELECTRICAL CONNECTIONS TO HEAT TRACE SYSTEMS (HEAT TRACE PROVIDED UNDER DIVISION 15)
PROVIDE (3) 20A, 120V CIRCUITS FOR EMERGENCY GENERATOR
CKT # G-E1 #4 - COOLANT HEATER
CKT # G-E1 #6 - BATTERY CHARGER
CKT # G-E1 #12 - GENERATOR ROOM LOUVERS

ELECTRICAL SITE NOTES:

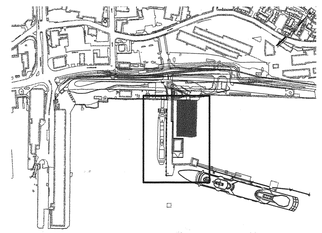
1. SEE SHEET E201 FOR ELECTRICAL SITE NOTES.



NOTES:

1. CONDUIT SECTION USED WITH STANDOFF BRACKETS SHALL BE METAL CONDUIT ONLY.
2. TOP CONDUIT SECTIONS LONGER THAN 24" MUST BE SUPPORTED.
3. LOWEST BRACKET SHALL BE MINIMUM OF 8 FEET ABOVE FINISHED GRADE.
4. ONE BRACKET SHALL BE USED TO SUPPORT EACH 10-FOOT SECTION OF CONDUIT WITH THE BRACKET
5. COMMUNICATION CABLE MAY BE ATTACHED DIRECTLY TO POLE ADJACENT TO BRACKETS.
6. ALTERNATE LOCATION FOR COMMUNICATION CABLE IF RUN IN METAL CONDUIT
7. SEAL TOP OF CONDUIT WITH POLYURETHANE SEALER. TOP OF CONDUIT SHALL HAVE A DOUBLE NON-THREADED PLASTIC COUPLING. TOP OF CONDUIT SHALL EXTEND 4" ABOVE PRIMARY NEUTRAL.
8. RIGID STEEL GALVANIZED CONDUIT.
9. PVC TO STEEL CONDUIT COUPLING.
10. LONG RADIUS SWEEP RIGID CONDUIT ELBOW.
11. 3/4" DIA BY 10 FT. LONG COPPER CLAD GROUND ROD AND GROUND CABLE

KEY PLAN



30' 0 30' 60'
BAR SCALE
1" = 30'
CHECK GRAPHIC SCALE BEFORE USING

Bartlett Design
LIGHTING & ELECTRICAL ENGINEERING
942 WASHINGTON STREET, BATH, ME 04530
TEL (207) 443-9447 FAX (207) 443-9580

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER 009215.00

PIN
009215.00

STATE OF MAINE · LAWRENCE E. BARTLETT · #7928 · REGISTERED PROFESSIONAL ENGINEER

Lawrence E. Bartlett
SIGNATURE
7928
P.E. NUMBER
10/27/04
DATE

	BY	DATE
PROJ. MANAGER PAUL POTTLE		
DESIGN-DETAILED	JLC	10/27/04
CHECKED-REVIEWED	LEB	
DESIGN2-DETAILED2	LEB	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

CITY OF PORTLAND
OCEAN GATEWAY PHASE 1

ELECTRICAL SITE
LIGHTING/DISTRIBUTION - 4

E204
ALT.
275 OF 288

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