PLAN
SCALE: ⅜"=1'-0"

A / THIS SH. SECTION
SCALE: ⅜"=1'-0"

DESIGN DATA

STRUCTURE

CLASSIFICATION (ASCE 7)	CATEGORY IV
SITE LOCATION	PORTLAND, MAINE
ALLOWABLE SOIL BEARING	4000 PSF
GROUND WATER ELEVATION	2 FT BFG

WIND LOADS

BASIC WIND SPEED	100 MPH
IMPORTANCE FACTOR	1.15
EXPOSURE CATEGORY	C

ATMOSPHERIC ICE LOADS

RADIAL ICE	1 INCH
CONCURRENT WIND SPEED	40 MPH

EARTHQUAKE LOADS

IMPORTANCE FACTOR	1.5
SITE CLASS	C
SEISMIC DESIGN CATEGORY	C

NOTES

1. CONCRETE COMPRESSIVE STRENGTH SHAL 28 DAYS.
2. REINFORCING SHALL BE ASTM A615 GR. YIELD).
3. ANCHOR RODS SHALL BE HOT-DIP GALVANIZED ASTM F1554 GR. 36 (36ksi YIELD), UNLESS NOTED OTHERWISE. HOOKED ANCHORS ARE NOT ACCPETABLE.
4. ASTM A563 HEAVY HEX NUTS & F844 WASHERS SHALL BE HOT-DIP GALVANIZED, UNLESS NOTED OTHERWISE. A MINIMUM OF (4) NUTS AND (4) WASHERS PER ANCHOR ROD TO FACILITATE SECURING ANCHOR PLATES AND SETTING TEMPLATES AT THE BASE AND TOP OF CAST-IN ANCHORS, RESPECTIVELY.
5. EACH SET OF FOUNDATION ANCHOR ROD CLUSTERS SHALL BE DELIVERED TO SITE AS A CAGED ASSEMBLY. THIS INCLUDES SETTING TEMPLATES AND ANCHOR PLATES PROPERLY FASTENED TO FACILITATE IMMEDIATE INSTALLATION WITHIN THE FOUNDATION FORM WORK. ANCHOR PLATES AND SETTING TEMPLATES SHALL BE ASTM A36 STEEL, THICKNESS SHALL BE AS INDICATED AND SHALL BE FINISHED WITH 2 COATS OF SHOP PRIMER
6. PROVIDE ¾" CHAMFER ON ALL EXPOSED EDGES, UNLESS NOTED OTHERWISE.
7. FOOTINGS SHALL BE PLACED ON BEDROCK OVERLAIN BY 12" OF ¾" CRUSHED STONE.
8. FOUNDATIONS TO BE BACKFILLED & COMPACTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND TYPICAL DETAIL ON DWG 550-3-6.
9. ANY ESTIMATED 8.2 C.Y. OF CONCRETE IS REQUIRED FOR ONE FOUNDATION. ESTIMATED QUANTITY IS FOR OWNER'S ASSET MANAGEMENT PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR DETERMINING QUANTITIES REQUIRED FOR CONSTRUCTION AND BID PURPOSES.

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 02/24/17

TYP / TIE HOOK DETAIL
SCALE: NTS

LEGEND OF ABBREVIATIONS:

A.R.	–	ANCHOR ROD
CLR	–	CLEAR
DWG.	–	DRAWING
EQ	–	EQUAL/EQUALLY
FDN.	–	FOUNDATION
(FG)	–	FINISHED GRADE
O.C.	–	ON CENTER
PROJ.	–	PROJECTIONS
BFG	–	BELOW FINISH GRADE
SP.	–	SPACING/SPACED
B.C.	–	BOLT CIRCLE
UNO	–	UNLESS OTHERWISE NOTED

ELEVATION
SCALE: ⅜"=1'-0"

ANCHOR PLATE & TEMPLATE PLAN
SCALE: ¾"=1'-0"

FOUNDATION MARK NN

This document and any attachments are considered:
BUSINESS CONFIDENTIAL
PROTECTED CRITICAL INFRASTRUCTURE INFORMATION

REFERENCE DRAWINGS	
520-3-11	SITE PLAN
520-37	FOUNDATION PLAN

NO.	REVISION	DATE	BY	CK	P. E. STAMPED BY	P. E. No.
0	ISSUED FOR CONSTRUCTION	08/15/16	SGC	SGC	BJB	12004

Professional Engineer Seal: STATE OF MAINE — BRIAN J. BEAULIEU No. 12004 — LICENSED PROFESSIONAL ENGINEER — 08/15/2016

DESIGNED SGC/TDD
DRAWN SGC/TDD
CHECKED SGC/TMH
APPROVED CMP
REVIEWED

FOUNDATION DETAIL
34kV (5.4MVAR) CAP BANK
BISHOP ST. 34KV S/S

CENTRAL MAINE POWER COMPANY
SYSTEM ENGINEERING
CENTRAL MAINE POWER
DATE: 10/10/14
SCALE: AS NOTED

520-3-16
REV 0

NO.	P.E.	CK	BY	DATE	REVISION

ENGINEERING CONSULTANT – LOGO – ADDRESS
SGC ENGINEERING, LLC
100 WATER ST.
HALLOWELL, ME 04347

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY