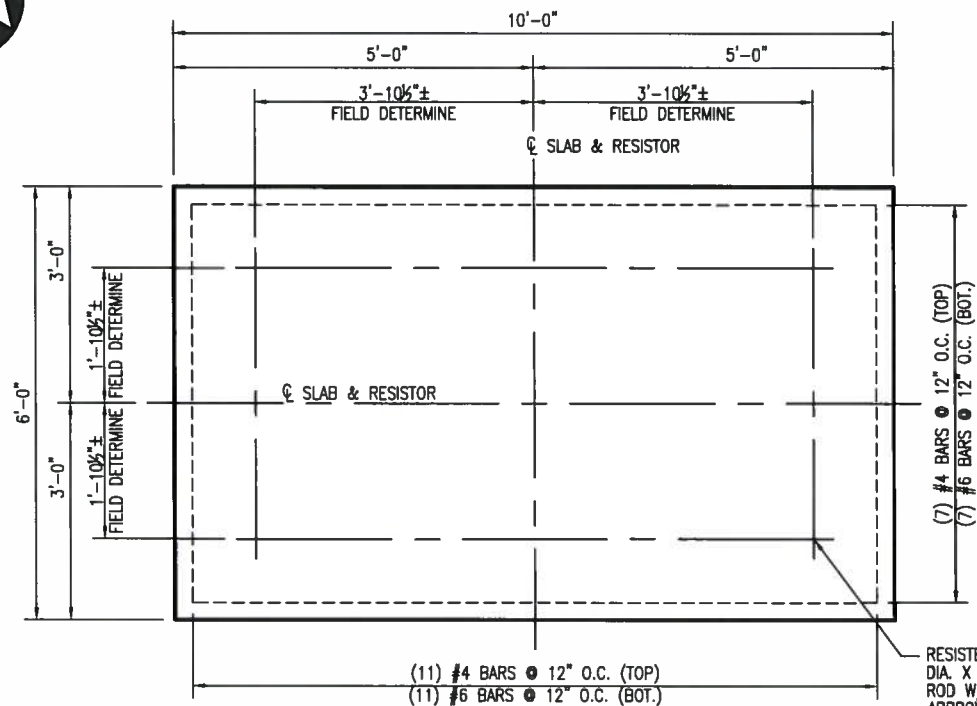
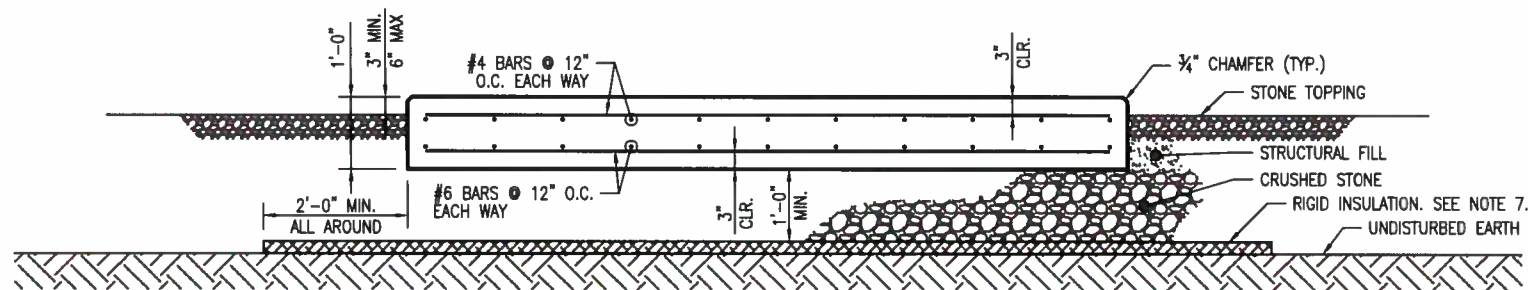


CADD Drawing, DO NOT REVISE MANUALLY.



PLAN  
SCALE: 1/4" = 1'-0"



RESISTOR FOUNDATION SECTION  
SCALE: 1/4" = 1'-0"

**FOUNDATION NOTES:**

1. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000psi @ 28 DAYS.
2. REINFORCING SHALL BE ASTM A615 GR. 60 (60ksi YIELD).
3. PROVIDE 3/4" CHAMFER ON ALL EXPOSED EDGES, UNLESS NOTED OTHERWISE.
4. FOUNDATIONS SHALL BE PLACED ON A 12" MIN. CRUSHED STONE BASE.
5. FOUNDATIONS SHALL BE BACKFILLED & COMPACTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
6. AN ESTIMATED 2.5 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.
7. RIGID INSULATION: ASTM C578, TYPE I, POLYSTYRENE.
8. (2) RESISTOR FOUNDATIONS REQ'D.

**DESIGN DATA**

**STRUCTURE**

CLASSIFICATION (ASCE 7)	CATEGORY IV
SITE LOCATION	PORTLAND, MAINE
ALLOWABLE SOIL BEARING	3000 PSF
GROUND WATER ELEVATION	8 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

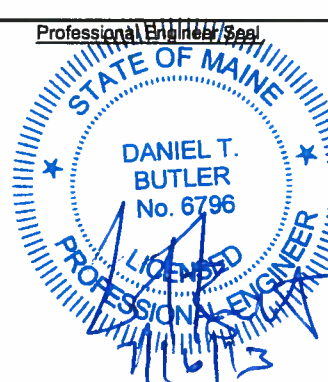
**EARTHQUAKE LOADS**

IMPORTANCE FACTOR	1.5
SITE CLASS	C
SEISMIC DESIGN CATEGORY	C

**LEGEND OF ABBREVIATIONS:**

A.R.	-	ANCHOR ROD
CLR	-	CLEAR
CTRD.	-	CENTERED
DWG.	-	DRAWING
EQ	-	EQUAL/EQUALLY
E.W.	-	EACH WAY
FDN.	-	FOUNDATION
(FG)	-	FINISHED GRADE
HDG	-	HOT DIP GALVANIZED
O.C.	-	ON CENTER
PLCS	-	PLACES
PROJ.	-	PROJECTIONS
BFG	-	BELOW FINISH GRADE
SP.	-	SPACING/SPACED
SIM.	-	SIMILAR
UNO	-	UNLESS NOTED OTHERWISE
UD	-	UNDERDRAIN
T.O.C.	-	TOP OF CONCRETE
T.O.P.	-	TOP OF PLATE

**TRC** 249 WESTERN AVENUE  
AUGUSTA, ME 04330  
PROJECT NO: 183112



**CENTRAL MAINE POWER CO.**  
**IBERDROLA USA**

**USA ENGINEERING**  
**CONFIDENTIAL, PROPRIETARY**  
**and TRADE SECRET INFORMATION**  
Property of Iberdrola, USA

**FOUNDATION DETAIL**  
**11kV NEUTRAL RESISTOR**  
**UNION STREET SUBSTATION**

REFERENCE DRAWING NUMBER	DESCRIPTION
547-6-3	CONDUIT PLAN
547-3-5	FOUNDATION PLAN

REV.	DATE	BY	DESCRIPTION
0	07/16/13	TRC	IFC ISSUE FOR CONST 2013

DR. TRC/SGL	FILE: 547-3-10.DWG	REV. 0
CK. TRC/RAY	NO. 547-3-10	
APP. CMP/PN	DATE: 5/14/12	SCALE: AS NOTED