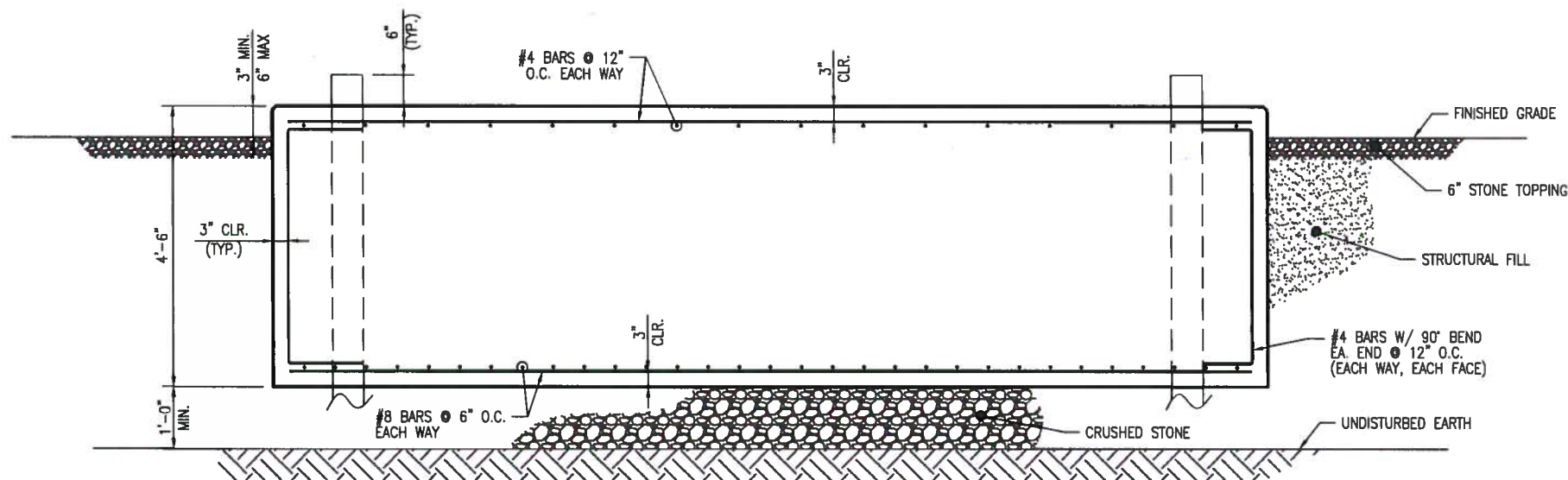


PLAN
SCALE: 3/8"=1'-0"



34kV/11kV TRANSFORMER FOUNDATION SECTION - T3 & T4
SCALE: 3/8"=1'-0"

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

FOUNDATION NOTES:

1. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000psi @ 28 DAYS.
2. REINFORCING SHALL BE ASTM A615, GR. 60 (60ksi YIELD).
3. PROVIDE 3/8" CHAMFER ON ALL EXPOSED EDGES, UNLESS NOTED OTHERWISE.
4. FOUNDATIONS SHALL BE PLACED ON 12" MIN. THICK CRUSHED STONE BASE.
5. FOUNDATIONS SHALL BE BACKFILLED & COMPACTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
6. AN ESTIMATED 21.5 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.

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

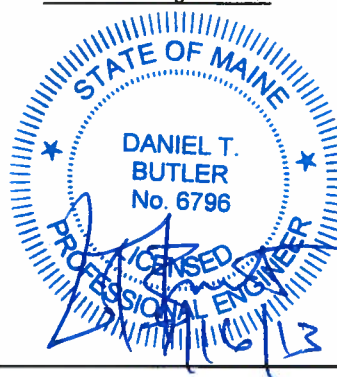
VENDOR REFERENCE

T3 & T4:		
MCGRAW-EDISON COMPANY DRAWING	REV -	
NO. CC-368862-A	DATE	6/7/76
SPARE TRANSFORMER:		
CG POWER SYSTEMS USA DRAWING	REV -	
NO. 1211001-03	DATE	12/16/11

CADD Drawing, DO NOT REVISE MANUALLY.

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

Professional Engineer Seal



CENTRAL MAINE POWER CO.
IBERDROLA USA

IUSA ENGINEERING
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and TRADE SECRET INFORMATION
Property of Iberdrola, USA

FOUNDATION DETAIL
34kV/11kV TRANSFORMER SLAB
UNION STREET SUBSTATION

REFERENCE DRAWING NUMBER	DESCRIPTION
547-6-3	CONDUIT PLAN
547-3-9	FIREWALL FOUNDATION DETAIL
547-3-5	FOUNDATION PLAN

REV.	DATE	BY	DESCRIPTION	APP.	DATE	CMP/PN	DR.	TRC/SGL	FILE:	REV.
0	07/16/13	TRC	IFC ISSUE FOR CONST 2013	DTB	APP.	CMP/PN	TRC/RAY	TRC/SGL	547-3-7SH02.DWG	
									NO.	
									547-3-7 SH.1	
									SCALE: AS NOTED	0