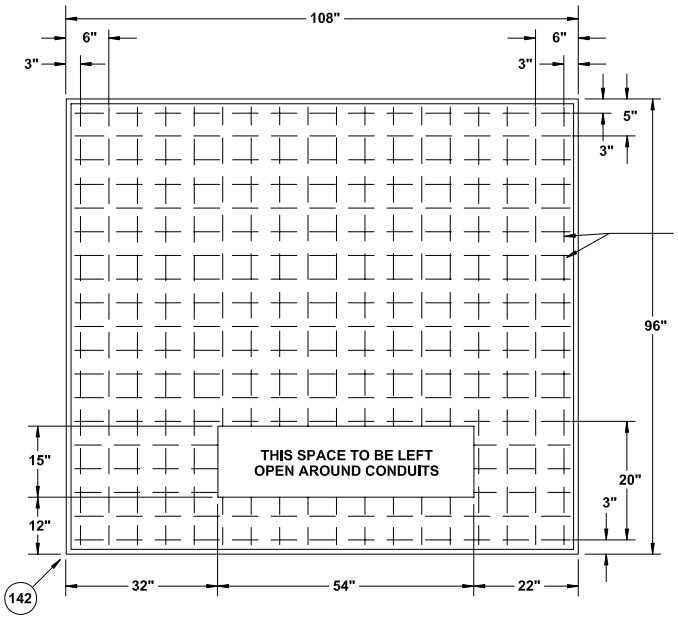
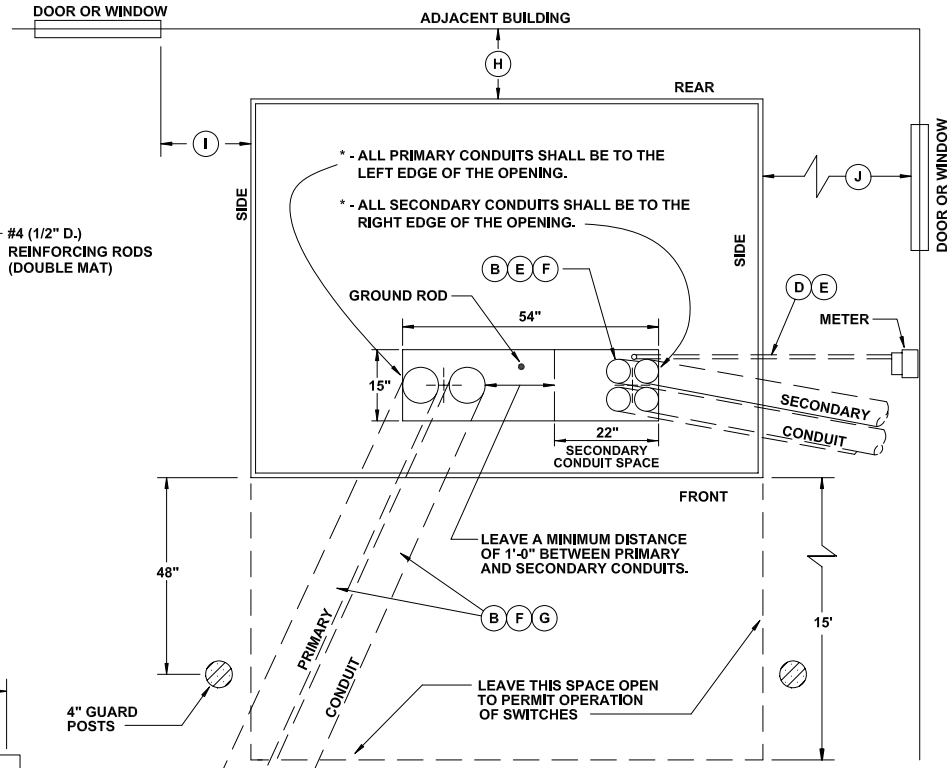
Independence Power & Light

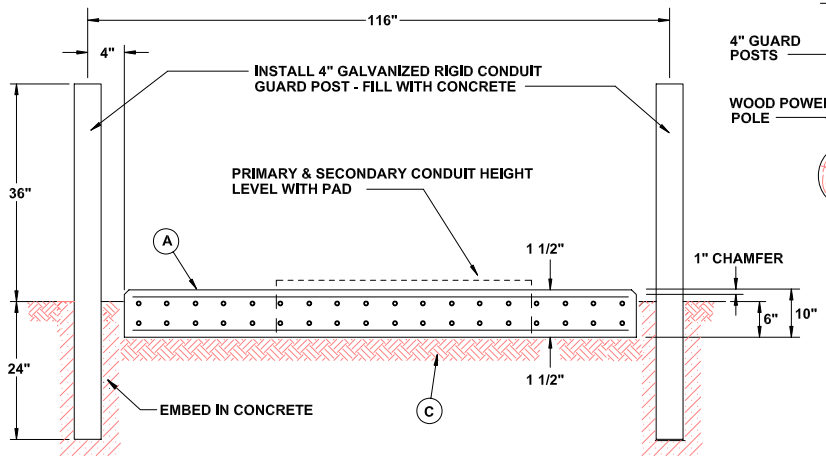
DATE: 01/01/02

REVISED: 11/20/09

THREE PHASE TRANSFORMER PAD
750 KVA THRU 1500 KVA







EQUIPMENT ON THIS DRAWING
FURNISHED AND INSTALLED:

BY I.P.L.	BY CUSTOMER
PRIMARY CABLE	SECONDARY CONDUIT
GROUND RODS	ALL TRENCHING ON PROPERTY
CONNECTORS	REINFORCED CONCRETE TRANSFORMER PAD
	PRIMARY CONDUIT SCHEDULE #40
	METER CONDUIT
	RIGID STEEL ELBOWS
	GUARD POSTS
	SECONDARY CONDUCTORS

NOTES:

A - ALL CONCRETE SHALL HAVE 5% AIR ENTRAINMENT AND TEST 4000#; SURFACE SHALL HAVE A STEEL TROWEL FINISH.

B - DIRECTION OF PRIMARY AND SECONDARY CONDUITS UNDER CONCRETE MAY VARY WITH INDIVIDUAL JOBS; CONDUITS SHALL HAVE A CUSTOMER INSTALLED PULL WIRE; EACH CONDUIT SHALL BE LIMITED TO 3-90 DEGREE BENDS.

C - THE SIZING OF THIS TRANSFORMER PAD IS BASED UPON AVERAGE VIRGIN EARTH; NECESSARY FILL SHALL BE IMPACTED TO POINT EQUAL TO THE ORIGINAL EARTH.

D - 1" THREADED CONDUIT FOR METERING. LOCATION OF METER TO BE APPROVED BY UTILITY.

E - SIZE AND NUMBER OF SECONDARY CONDUITS MAY VARY. ALL SECONDARY AND METERING CONDUITS MUST BE GROUPED IN THIS 22" OF SLOT. (24" MINIMUM BURIAL DEPTH)

F - TAPE END OF CONDUIT & THREADS WITH DUCT TAPE WHEN DUCT IS FIRST INSTALLED.

G - PRIMARY CONDUITS SHALL BE TWO SCHEDULE 40 PVC CONDUITS (30" MINIMUM BURIAL DEPTH) WITH RIGID STEEL 90 DEGREE ELBOWS (MINIMUM RADIUS 36")

H - PAD SHALL HAVE A MINIMUM SEPERATION OF 36" FROM SIDES AND REAR OF PAD TO ADJACENT WALLS AND OTHER UTILITY ABOVE GRADE FACILITIES.

I - PAD SHALL HAVE A MINIMUM SIDE CLEARANCE OF 36" FROM EDGE OF WINDOWS AND DOORS LOCATED IN ADJACENT WALL.

J - PAD SHALL HAVE A MINIMUM CLEARANCE OF 10' FROM FRONT OF WINDOWS AND DOORS.

K - IMPORTANT - PLEASE NOTE
UNDERGROUND PADS, VAULTS AND CONDUITS PROVIDED BY A CUSTOMER SHALL BE CONSTRUCTED TO THESE STANDARDS AND SHALL BE INSPECTED BY IPL BEFORE POURING OR BACKFILLING. FAILURE TO HAVE INSPECTION MAY RESULT IN REVISING, REBURYING OR REBUILDING THE RESPECTIVE ITEMS. PLEASE CALL 325-7550 TO SCHEDULE INSPECTION.

STANDARD NUMBER
UT3P1

ASSEMBLY

Item #	Quantity	Stock #	Stock Description
142	1	42-220-40	3 PH TRANS PAD 750 - 1500 KVA