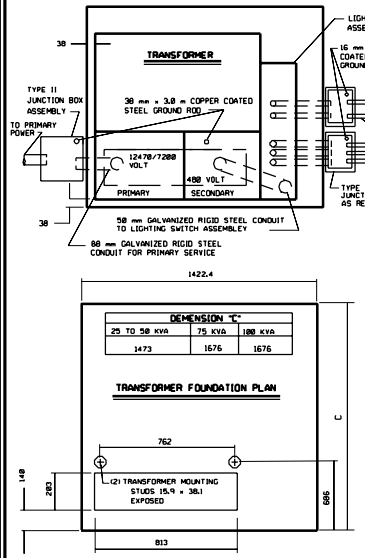
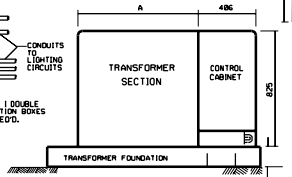


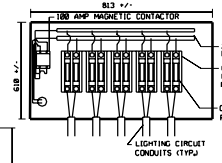
TRANSFORMER FOUNDATION PLAN

DEMENSION "C"		
25 TO 50 KVA	75 KVA	100 KVA
1473	1676	1676

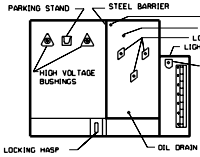
DIMENSION "A"		
25 TO 50 KVA	75 KVA	100 KVA
837	1025	1016



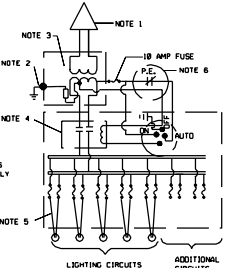
ELEVATION



LIGHTING SWITCH ASSEMBLY



FRONT VIEW, DOOR OPEN



SCHEMATIC CONNECTION DIAGRAM

NOTES:

1- POWER COMPANY SERVICE POINT. SINGLE PHASE VOLTAGE WITH DISCONNECTING PROVISIONS. POWER COMPANY TO RUN UNDER GROUND CABLE CONNECTION IN CONTRACTOR FURNISHED TRENCH TO TRANSFORMER HIGH VOLTAGE TERMINALS. CONTRACTOR SHALL:

(A) CONTACT SERVING POWER COMPANY TO VERIFY PRIMARY VOLTAGE AND TYPE OF CONNECTION.

(B) NOTIFY SERVING POWER COMPANY A MINIMUM OF 24 HOURS IN ADVANCE OF DESIRED POWER SOURCE CONNECTION.

2- GROUND TRANSFORMER FRAME.

3- FOUNDATION MOUNTED TRANSFORMER WITH DEAD FRONT DESIGN.

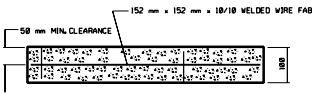
4- LIGHTING SWITCH ASSEMBLY WITH LOAD FUSE BLOCKS, FUSES, AND CONDUITS FOR LIGHTING CIRCUITS AS PER PLANS.

5- INDIVIDUAL LIGHTING CIRCUITS TO TYPE I DOUBLE JUNCTION BOXES.

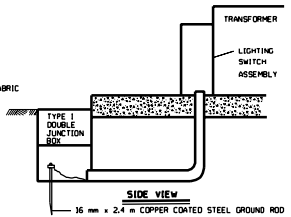
6- PHOTO ELECTRIC CONTROL AND MOUNTING RECEPTACLE MAY BE STRAP MOUNTED AT TOP OF NEAREST LIGHT POLE (INCLUDE CONTROL CIRCUITS IN LIGHTING CIRCUIT CONDUIT), OR MOUNTED 3 m HIGH ON 50 mm DIA. GALVANIZED RIGID STEEL PIPE LOCATED NEXT TO TRANSFORMER.

7- POWER POLE MOUNTED LIGHTNING ARRESTERS REQUIRED.

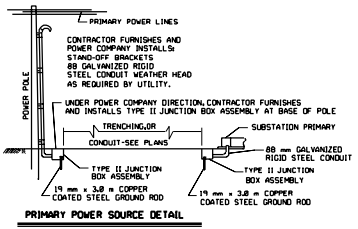
8- TRANSFORMER PAD LOCATION SHALL BE WELL DRAINED. EXACT LOCATION OF PAD AND JUNCTION BOXES SHALL BE DETERMINED BY PROJECT ENGINEER.



REINFORCED CONCRETE



SIDE VIEW



PRIMARY POWER SOURCE DETAIL

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

REVISIONS				
1	8/22/96	B.A.	DRAWING ELECTRONICALLY ENHANCED NO CHANGE IN CONCEPT	

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL
CHAIRMAN STANDARDS COMMITTEE
DEPUTY DIRECTOR

APR-22-1999 DATE
APR-22-1999 DATE

(METRIC)

SINGLE TRANSFORMER SUBSTATION DETAILS

STANDARD DRAWING TITLE

STD. DWG. NO.
755-3