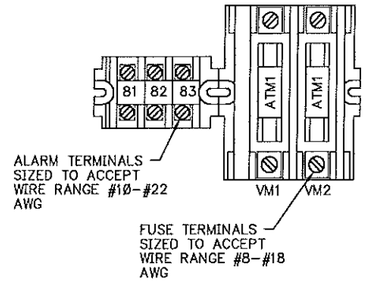
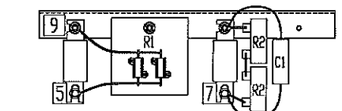
SPECIFICATIONS (8)										
1 PH, 60 Hz, 55°C RISE, 40°C AMBIENT										
MODEL NUMBER	KVA	INPUT VAC	INPUT AAC	K.V.D.C.	M.A.D.C.	CURRENT FEEDBACK RESISTOR VALUE (R1)	APPROX WEIGHT	QTY. OF RADIATORS	RADIATOR LOCATION	FLUID CAPACITY
37168	116.2	480	242	55	1300	0.7692Ω, 25W, ±1%	4800#	3	SHOWN	180 GALS
37169	71.5	480	149	55	800	1.25Ω, 25W, ±1%	4200#	2	SHOWN	180 GALS

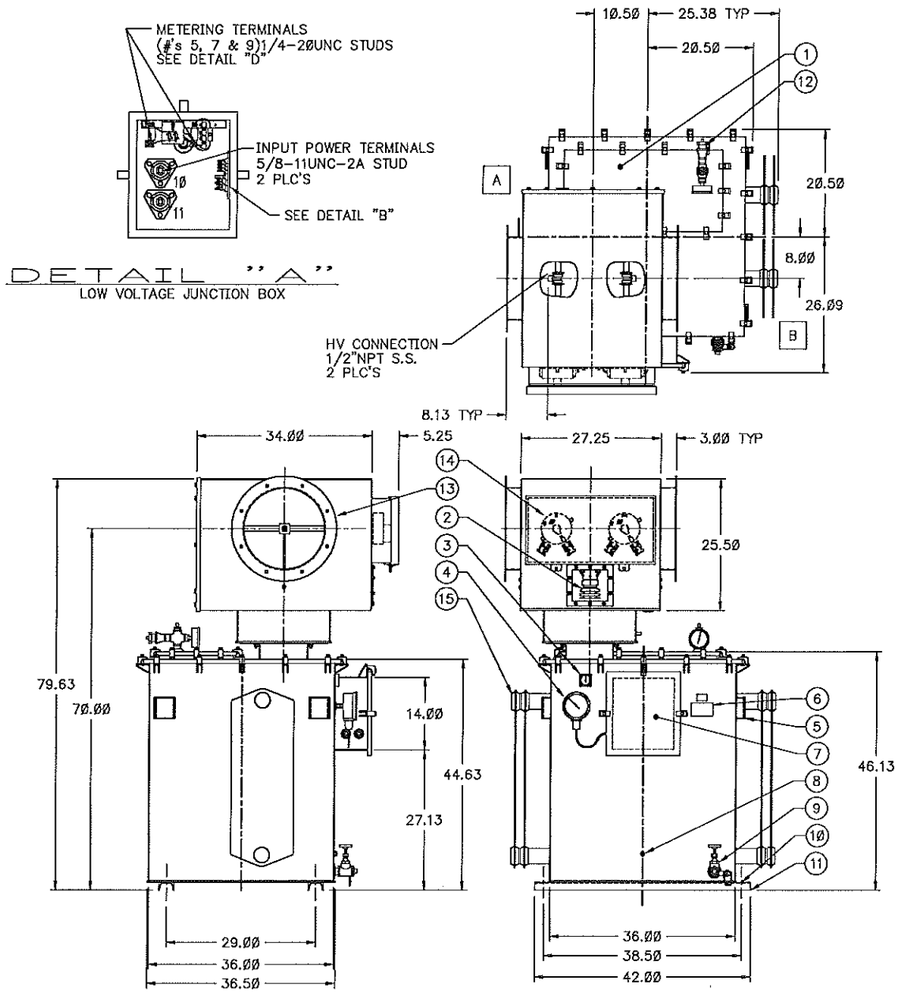
DETAIL "A"
LOW VOLTAGE JUNCTION BOX



DETAIL "B"
TERMINAL STRIP DETAIL



DETAIL "D"
FEEDBACK BRACKET



(1) HANDHOLE FOR INTERNAL ACCESS WITH REMOVABLE COVER

(2) HIGH VOLTAGE SEMI-OUTDOOR BUSHING

(3) MAGNETIC FLUID LEVEL INDICATOR

(4) TEMPERATURE INDICATOR MOUNTED IN WELL TO FACILITATE REPLACEMENT SUPPLIED WITH OVERTEMP ALARM CONTACTS

(5) LIFTING CHANNEL, C4-7.25# x 4.00 LG 4 PLC'S

(6) NAMEPLATE LOCATION

(7) LOW VOLTAGE JUNCTION BOX WITH REMOVABLE COVER. SEE DETAIL "A" FOR INTERNAL LAYOUT

(8) GROUND BOSS, 1/2-13UNC THREAD WITH THREAD PROTECTIVE PLUG

(9) 1.0"NPT VALVE & PLUG WITH 3/8"NPT OIL SAMPLING DEVICE

(10) MOUNTING HOLES, 0.69 DIA 4 PLC'S

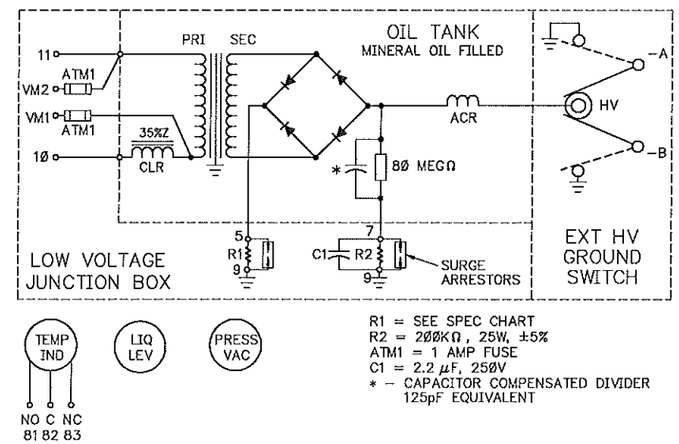
(11) 0.25 THK H.R.S. PLATE BOTTOM WITH (2)C3-5.0# STEEL CHANNELS

(12) 1.0"NPT FILL CPLG WITH PRESSURE RELIEF VALVE & PRESSURE-VACUUM GAUGE INSTALLED

(13) HV DUCT FLANGE, SEE DETAIL "C" 2 PLC'S

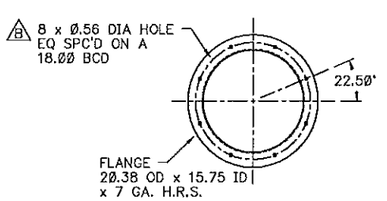
(14) 4 POSITION DUAL DISCONNECT/GROUND SWITCH WITH PROVISIONS FOR 4 ZERO BOLT EXTENSION INTERLOCKS. APPROVED LOCKS: KIRK TYPE F, CASTELL TYPE K, SUPERIOR TYPE B4003 OR EQUIV. SUPPLIED WITH LOCKING COVER

(15) COOLING RADIATOR (TYP)



R1 = SEE SPEC CHART
R2 = 200KΩ, 25W, ±5%
ATM1 = 1 AMP FUSE
C1 = 2.2 μF, 250V
* – CAPACITOR COMPENSATED DIVIDER 125pF EQUIVALENT

T/R-1AB = 522 EP 080 RD1
T/R-2AB = 522 EP 080 RD2
T/R-3AB = 522 EP 080 RD3
T/R-4AB = 522 EP 080 RD4



DETAIL "C"
HV DUCT FLANGE
2 PLC'S

PP-18

Kennecott UTAH COPPER	outokumpu engineering CONTRACTORS
SMELTER MODERNIZATION PROJECT	OEC PROPRIETARY EQUIPMENT SUPPLY
CLIENT'S DWG NO	OEC DWG NO 241/522-EP 080-590 / ITEM NO 522-EP 080

REV.	DATE	BY	DESCRIPTION
C	12/15/93	TH	BORDER INFO UPDATED
B	12/4/93	TH	4800# WAS 4000#, 4200# WAS 3800#
			8 WAS 4, 18.00 WAS 16.63
			RADIATOR ADDED TO EA MODEL #
A	8/4/93	TH	DWG REVISED TO MEET SPEC

NWL TRANSFORMERS
RISING SUN ROAD, BORDENTOWN, N.J. 08505

TITLE: T/R PHYSICAL OUTLINE
NWL #'s 37168/37169

SCALE	APP'D BY	DATE
NONE	RAF	4/28/93
DWG. BY TH	D.E. TH	DWG. B3091

NWL PROPRIETARY INFORMATION, RETURNABLE ON DEMAND, AND NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN AUTHORIZATION.

CERTIFIED

REV.	DESCRIPTION	DRAWN / APPR.	DATE
A	REVISED HV DUCT AND ADDED T/R TABLE & OEC DWG. NUMBER.	DLB / JMH	09/28/93

ABB
ASEA BROWN BOVERI

ABB ENVIRONMENTAL SYSTEMS

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SCALE: NONE
FOB NUMBER:
ABB REFERENCE NUMBER: 074
CUSTOMER REFERENCE:
DRAWN BY: TH DATE: 04/28/93
CHECKED BY: TH DATE: 08/11/93
APPROVED BY: DATE: 08/11/93
APPROVED BY: L.S.O. NILSON DATE: 08/16/93

OUTOKUMPU ENGINEERING
KENNECOTT UTAH COPPER
FLASH SMELTER
ELECTROSTATIC PRECIPITATOR
1300/800mA T/R SET
PHYSICAL OUTLINE

DWG. NO. 074-EG-06 REV. A

16/12/93 TH:DWG-H:\TRUCKED\KAUNPCT\KAUT.DTA18
FILE NO. 074EG06A

MASTER

1/10" 1/8"-1/4" 3/8"-3/4" 1/2"-1"