

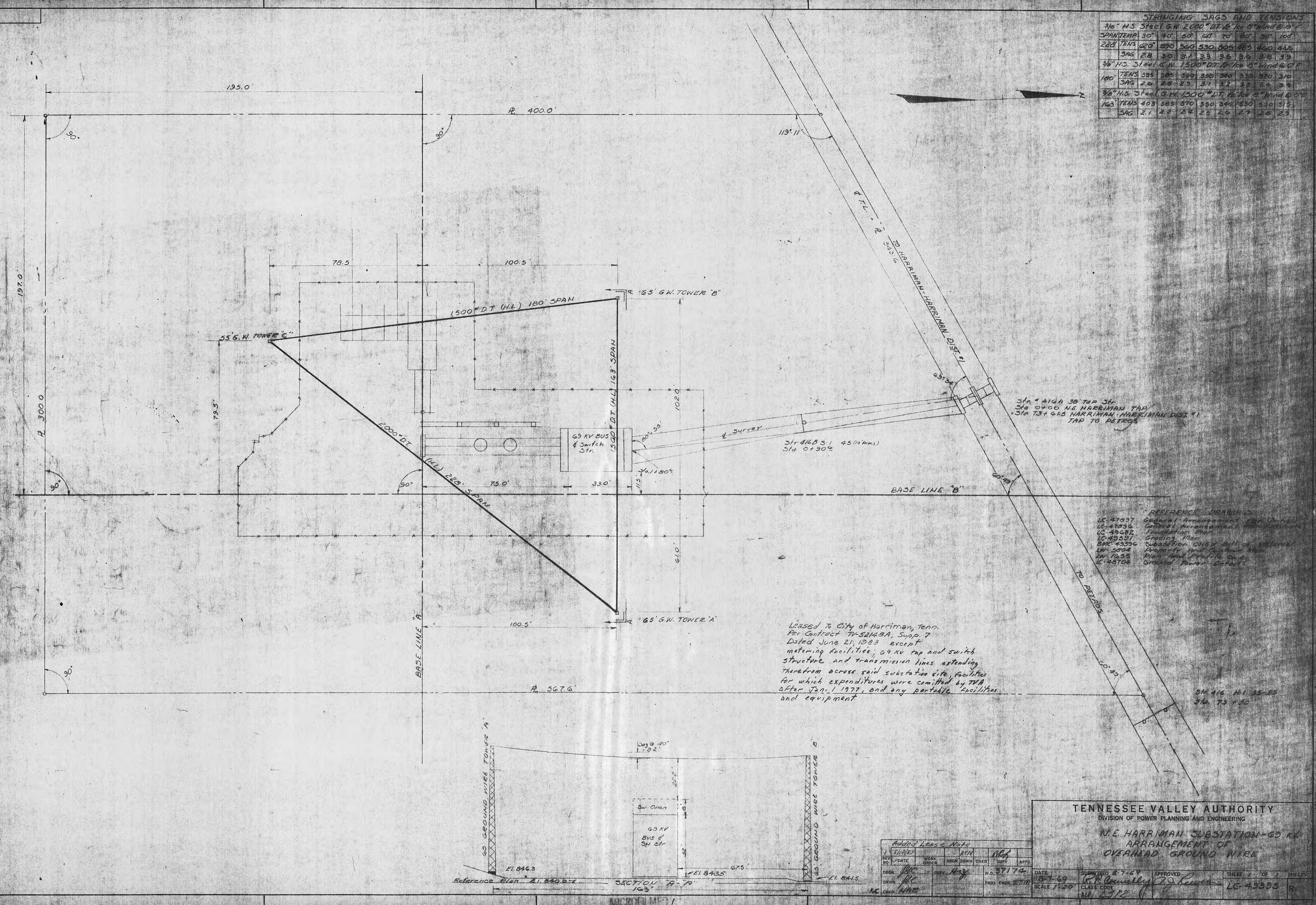
**REVISION NOTES:**

1. Retired: Devices 27F-1, 27F-2, red light (loss Sta. Serv.), "DSW-20", "PD-5Y", "C-16".
2. Revised: Bus O was M, HO connection to "CEB" was M.
3. Added: "W.R.P.-23" Tape Metering Unit.
4. Lease-purchase to Harriman U.B. except 69kV T.L.'s to Norris and Rockwood, Test Box No. 1, 13kV metering C.T.'s, V.T.'s, meters, and associated fuses as indicated.
5. Reconnected V2H to IV3 potential.

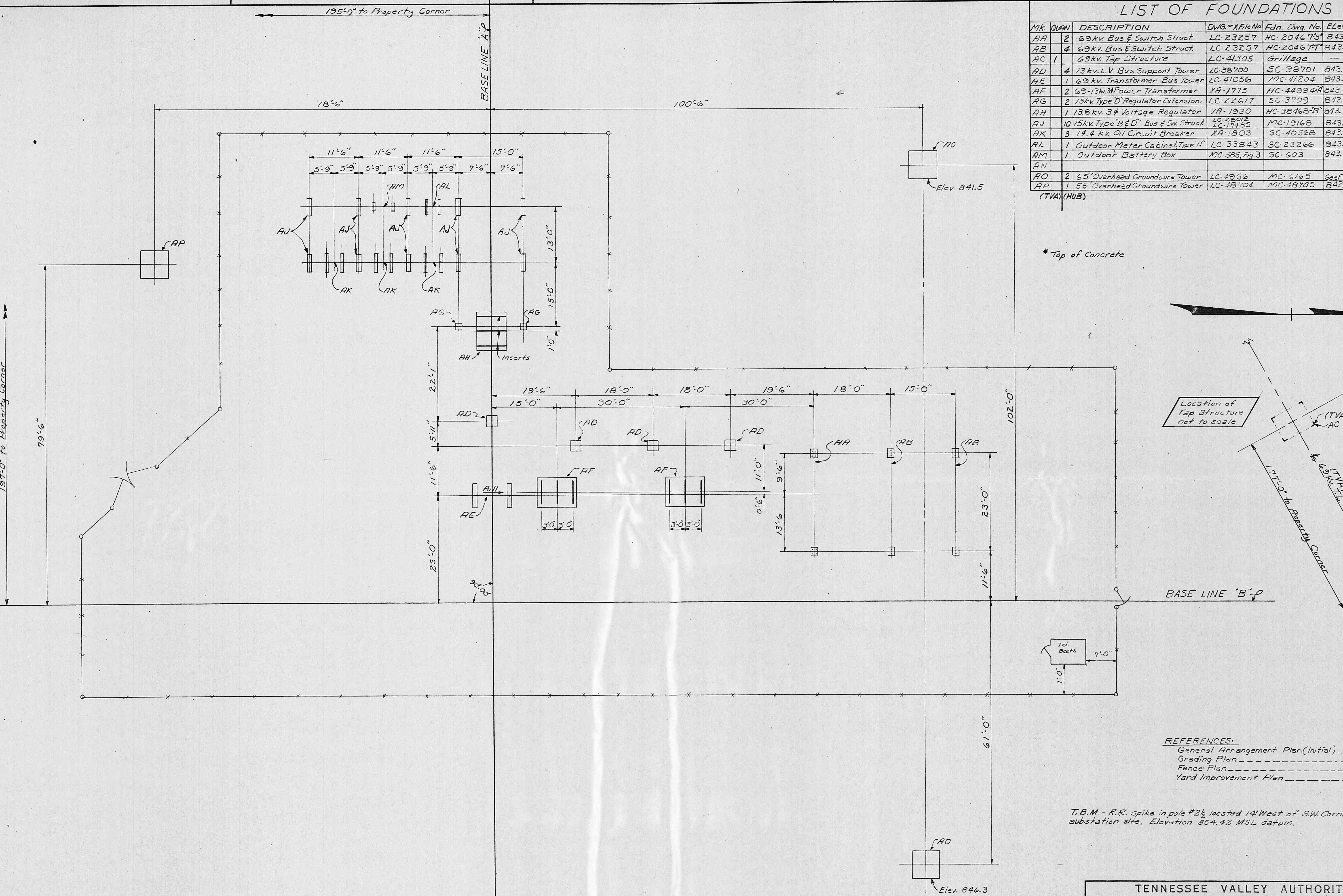
DATE 6/6/69	SUBMITTED J. Hunter	APPROVED R. L. Johnson	SHEET 2 OF 2 SHEETS
SCALE NONE	CLASS, CODE D302	WL-4588 R-4	

STATION NUMBER 3763  
TENNESSEE VALLEY AUTHORITY  
DIVISION OF POWER PLANNING AND ENGINEERING

N.E. HARRIMAN, TENNESSEE SUB-69KV  
ELEMENTARY DIAGRAM



289682



## LIST OF FOUNDATIONS

MK QUAN	DESCRIPTION	DWG. & XFile No.	Fdn. Dwg. No.	Elev.	CURVE LINE ZONE TOTAL
AA 2	69kv Bus & Switch Struct.	LC-23257	HC-20467-S	843.5	0.37 1.94
AB 4	69kv Bus & Switch Struct.	LC-23257	HC-20467-T	843.5	0.97 3.88
AC 1	69kv Tap Structure	LC-44305	Grillage	—	—
AD 4	13kv L.V. Bus Support Tower	LC-38700	SC-38701	843.7	1.10 4.40
AE 1	69kv Transformer Bus Tower	LC-41056	MC-41204	843.6	2.51 2.51
AF 2	69-3kw 3ph Power Transformer	XA-1775	HC-44394-A	843.5*	3.10 6.20
AG 2	15kv Type D Regulator Extension	LC-22617	SC-3709	843.7	0.41 0.82
AH 1	13.8kv 3phase Voltage Regulator	XA-1930	HC-38462-B	843.4	3.10 3.10
AJ 10	15kv Type B&D Bus & Sw. Struct	LC-28012	MC-19168	843.7	1.85 18.50
AK 3	14.4 kv Oil Circuit Breaker	XA-1803	SC-40568	843.6	0.69 2.07
AL 1	Outdoor Meter Cabinet, Type A	LC-33843	SC-23266	843.6	0.32 0.32
AM 1	Outdoor Battery Box	MC-585, Fq.3	SC-603	843.6	0.15 0.15
AN					
AO 2	65' Overhead Groundwire Tower	LC-4956	MC-2165	SesPlan	16.5 33.0
AP 1	55' Overhead Groundwire Tower	LC-48704	MC-48705	842.9	18.4 18.4

REFERENCES:  
 General Arrangement Plan(Initial) LC-47897  
 Grading Plan LC-49591  
 Fence Plan HC-49683  
 Yard Improvement Plan LC-49684

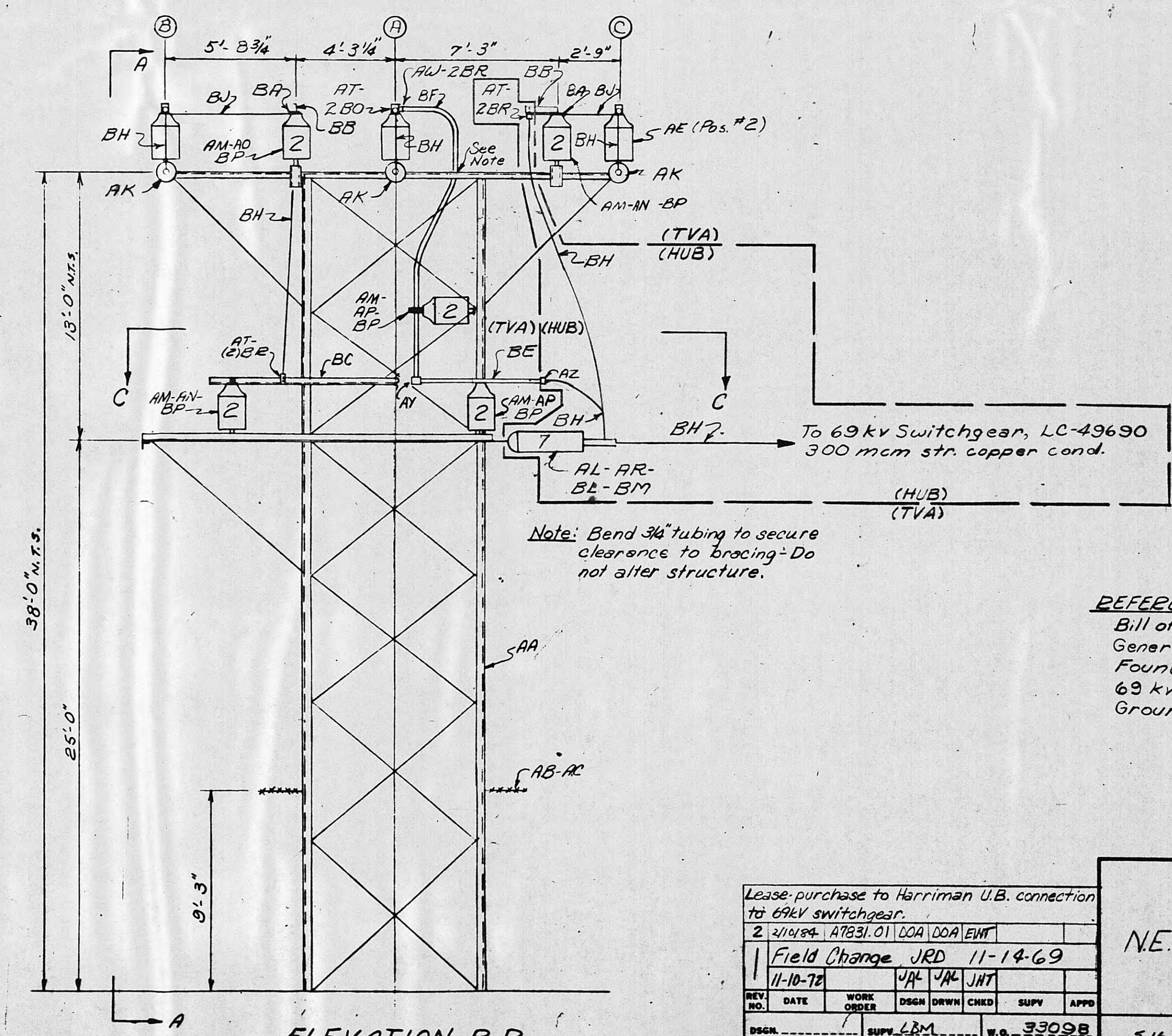
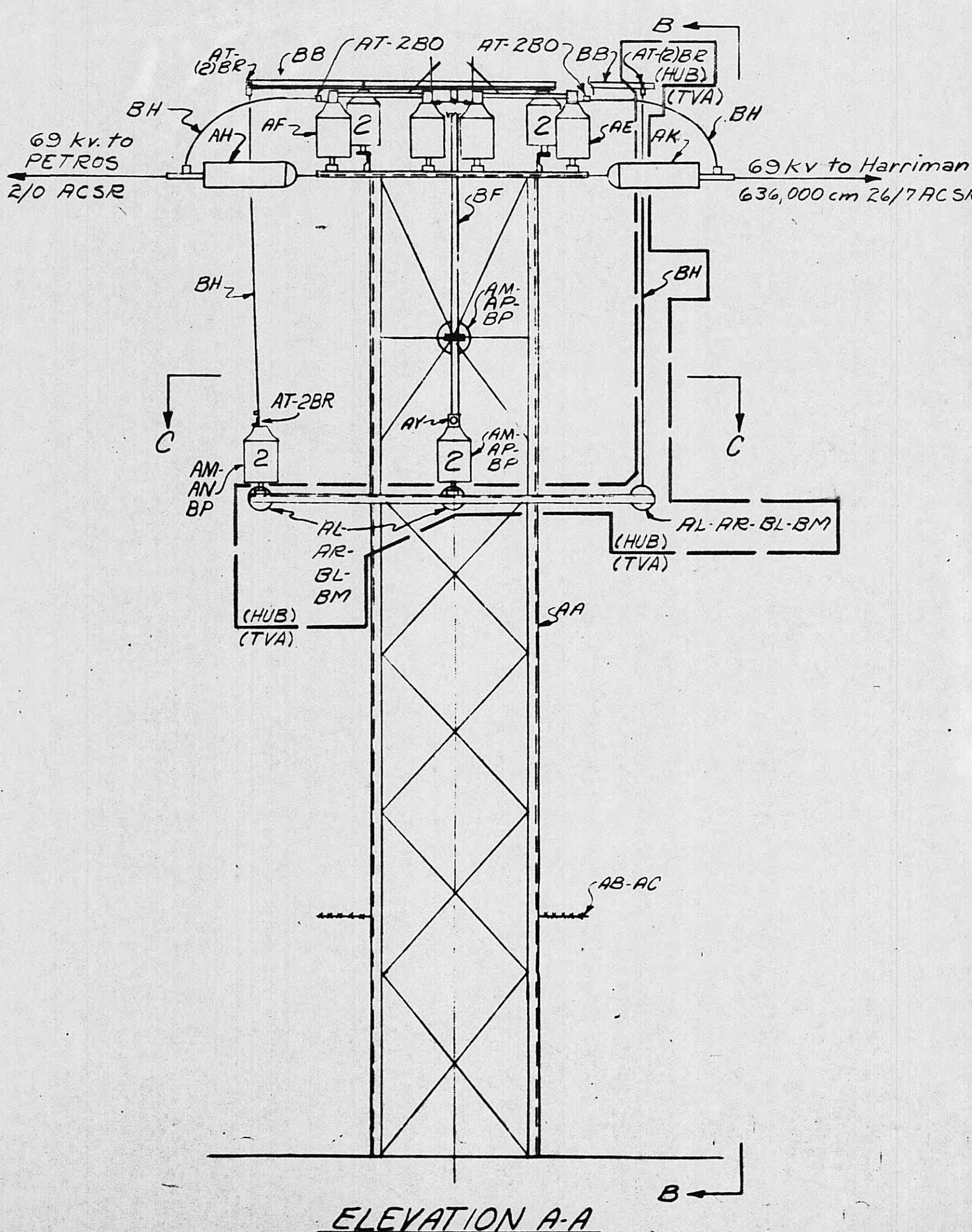
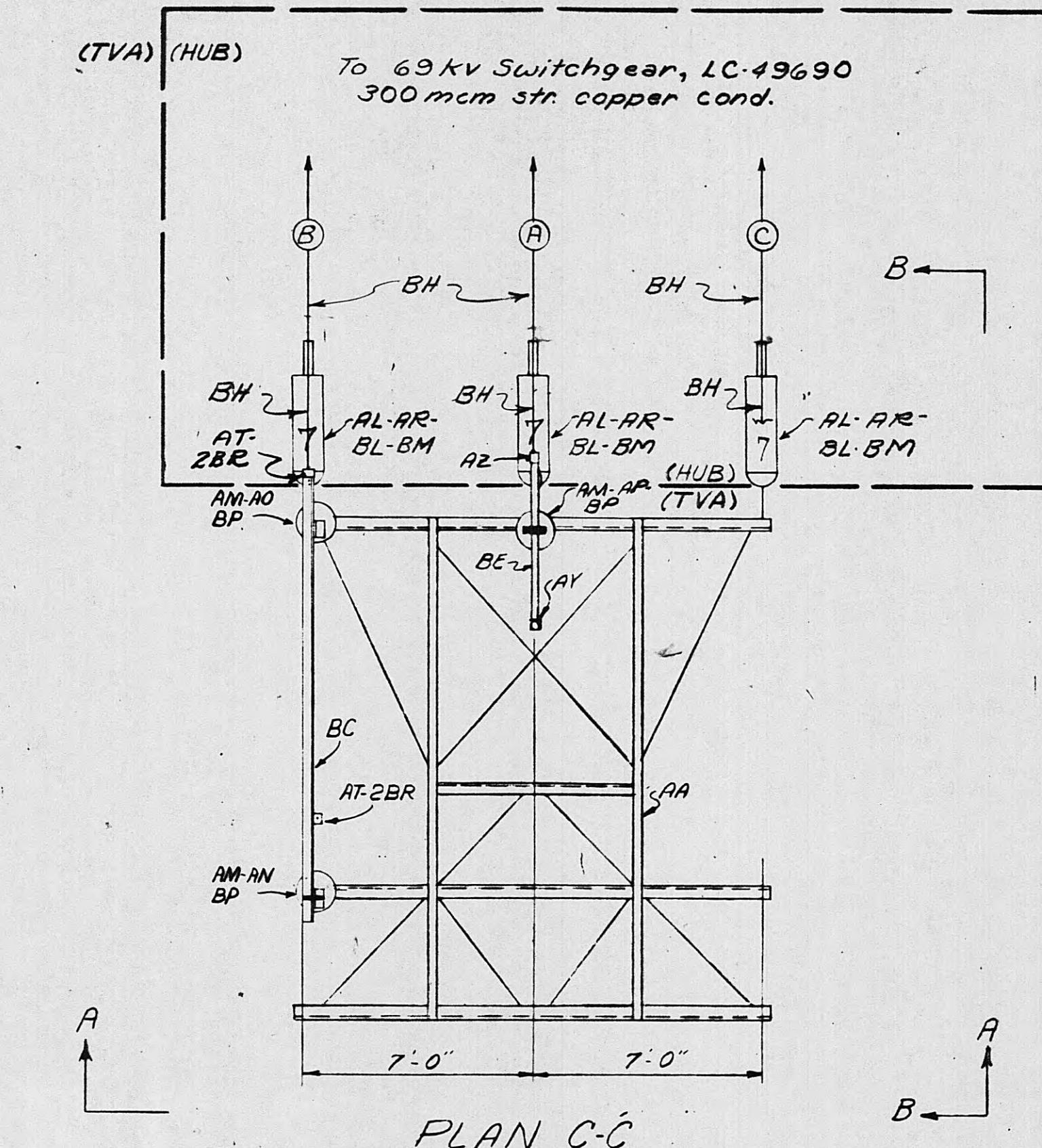
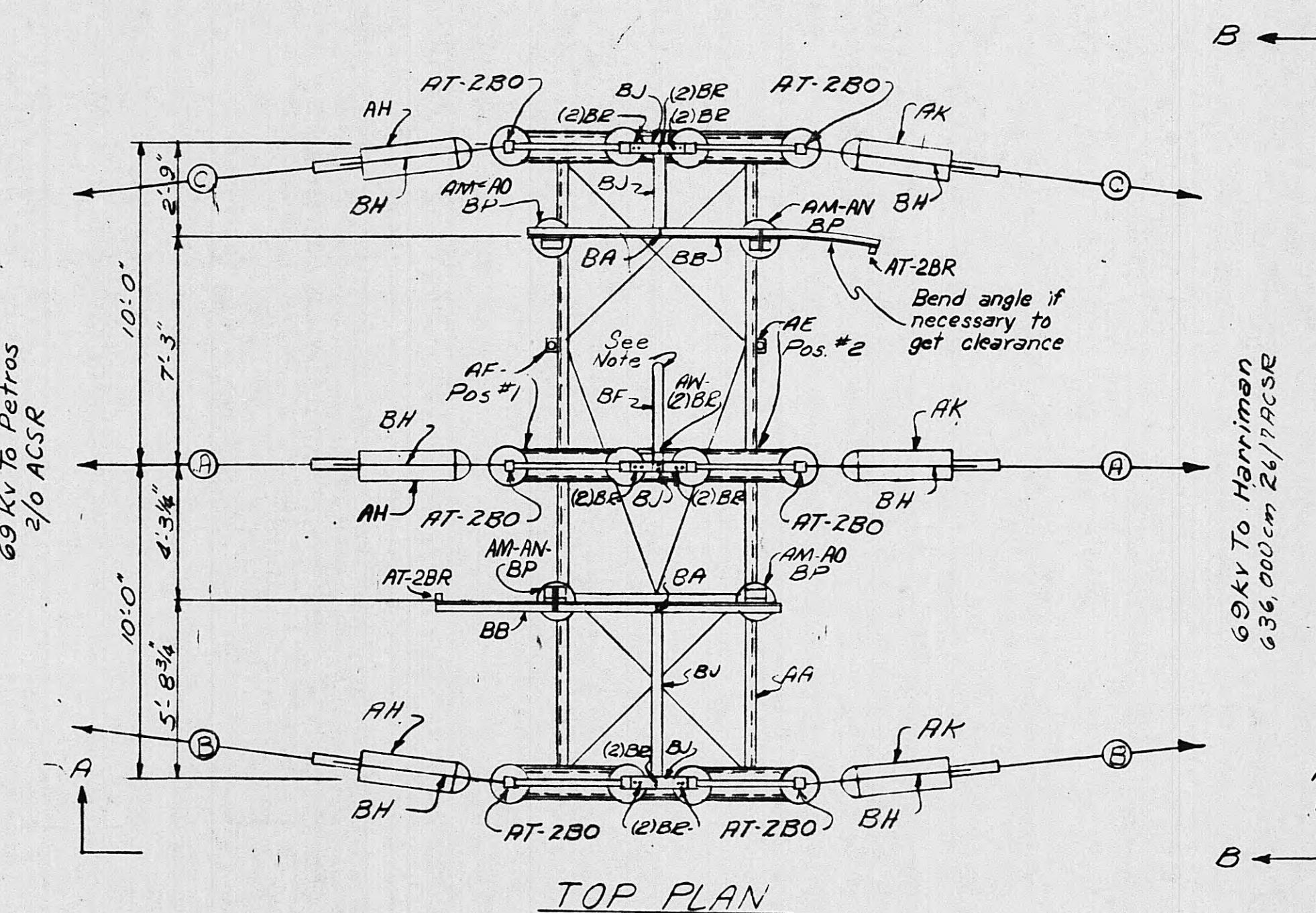
T.B.M. - R.R. spike in pole #2 1/2 located 14' West of SW Corner of substation site. Elevation 854.42 MSL datum.

TENNESSEE VALLEY AUTHORITY  
DIVISION OF POWER PLANNING AND ENGINEERING

N.E. HARRIMAN, TENN. SUBSTATION-69KV.  
FOUNDATION PLAN

1 Lease-purchase to Harriman U.B. except Mk. AC. 2/1/84 AT831.01 DOA DOA ENT	REV. NO. DATE WORK PERIOD	DSGN. DRWN. CHKD. SUPV. APPD.	DATE 5-27-69 SUBMITTED Frank Smith APPROVED	SCALE 1:10'0" CLASS. CODE A305 SHEET 1 OF 1 SHEETS
DRWN. R.W.L.K. DRWN. CHKD. MMR	DSGN. LBM W.O. 37174	PROJ. ENGR.	Rahul Patel LG-49682 R-1	

٤٩٩٦٤-٢٧



**TENNESSEE VALLEY AUTHORITY**  
**DIVISION OF POWER PLANNING AND ENGINEERING**

## **VISION OF POWER PLANNING AND ENGINEERING**

N.E. HARRIMAN, TENN.-SUBSTATION-69 KV.  
69 KV. TAP STRUCTURE  
PLAN AND SECTIONS

Lease-purchase to Harriman U.B. connection to 69kV switchgear.							
2	2/10/84	A7831.01	DOA	DOA	EWT		
1	Field Change JRD 11-14-69						
	11-10-72	JAL	JAL	JHT			
REV. NO.	DATE	WORK ORDER	DSGN	DRWN	CHKD	SUPV	APPD
DSGN.	LBM	W.O.	33098				
DRWN.	RWK	PF		PROJ. ENGR.			
CHKD	MMR			SCA			

2696+37

To Harriman Utility Board  
556.5 Mcm 26/7 Str. RCS

To Harriman Utility Board  
556.5 Mcm 26/7 str AC

To Harriman Utility Board  
556.5 Mcm 26/7 Str AC



### NOTE

- NOTES:

  1. Drill ends of Main & Transfer buses for future extension per MC-36990 Sh. #3 & 4.
  2. All bolted aluminum connections to be made per SC-37447.

From 69-13 Kv Power Transf. Bar  
4" x 4" Integral Web Channel  
See 1C-18182

Lease-purchase to Harriman U.B. except 13kV  
metering C.T.'s and V.T.'s.

#### REFERENCES.

REFERENCES:

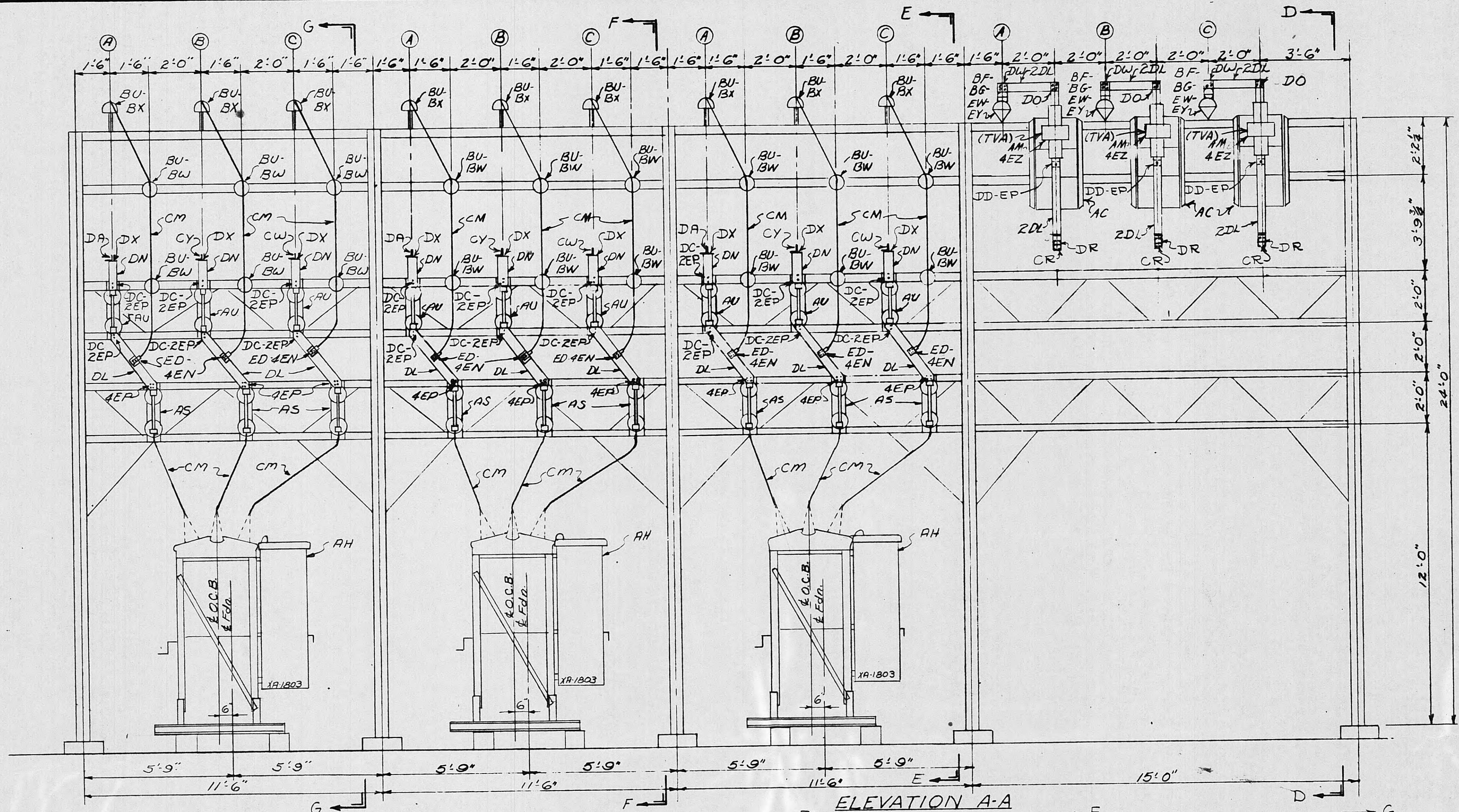
Bill of Material	-----	BMC-49693
General Arrangement Plan (Initial)	-----	LC- 47897
Foundation Plan	-----	LC- 49682
Yard Improvement Plan	-----	LC- 49684
69-13 KY Power Transf. Bank	-----	LC- 49688

**TENNESSEE VALLEY AUTHORITY**  
DIVISION OF POWER PLANNING AND ENGINEERING

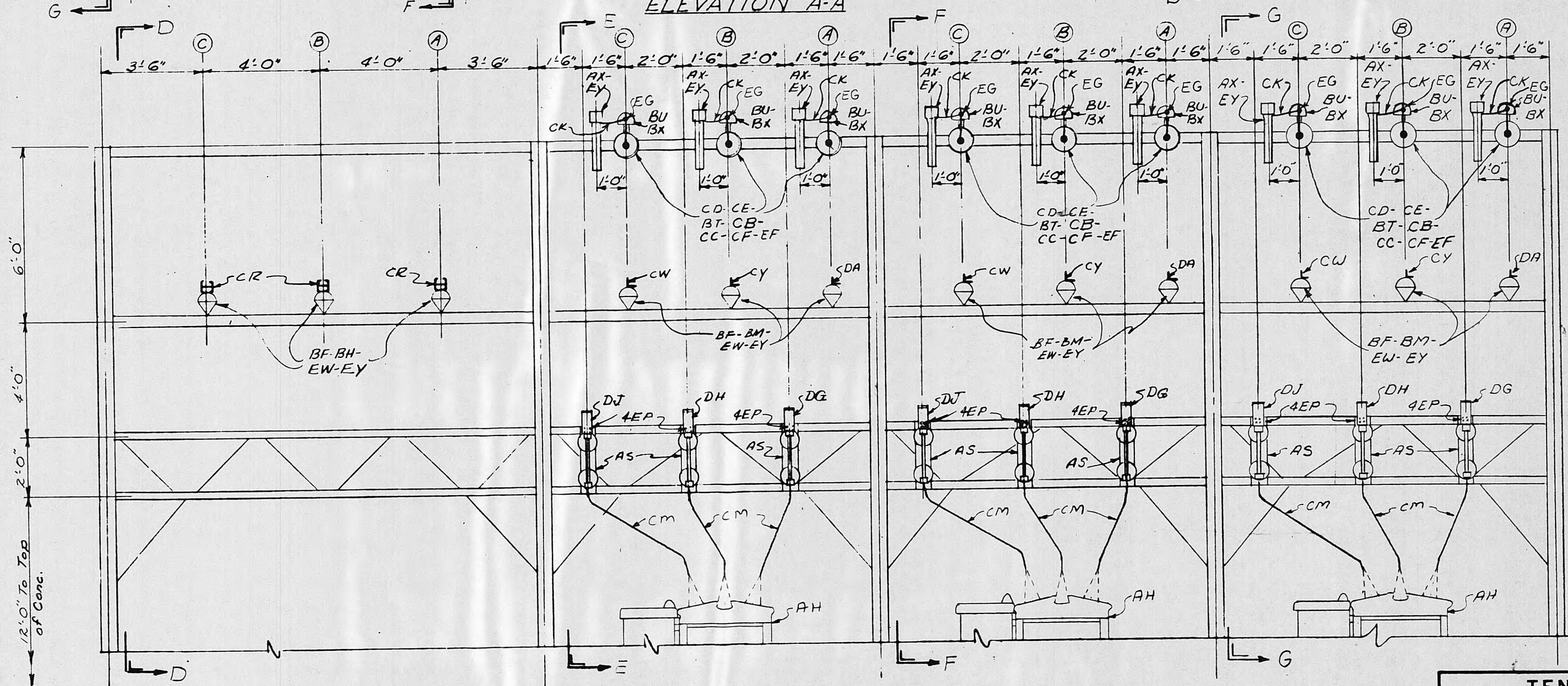
N.E. HARRIMAN, TENN., SUBSTATION - 69 KV.  
13 KV SWITCHGEAR - TYPE 'B' & 'D'  
PLAN & SECTIONS

APPROVED <i>Ronald C. Hall</i>	SHEET 1 OF 3 SHEETS
CODE A052J	LC-49692 R-2

LC-49692



## ELEVATION



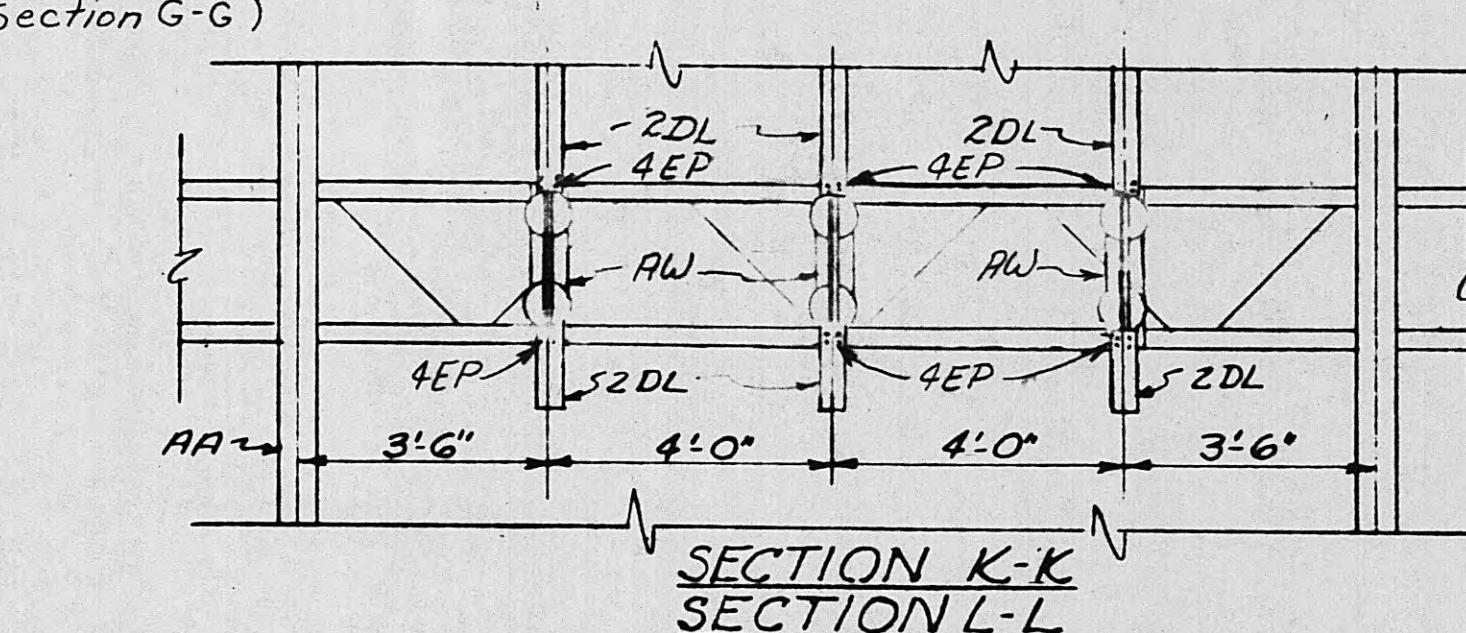
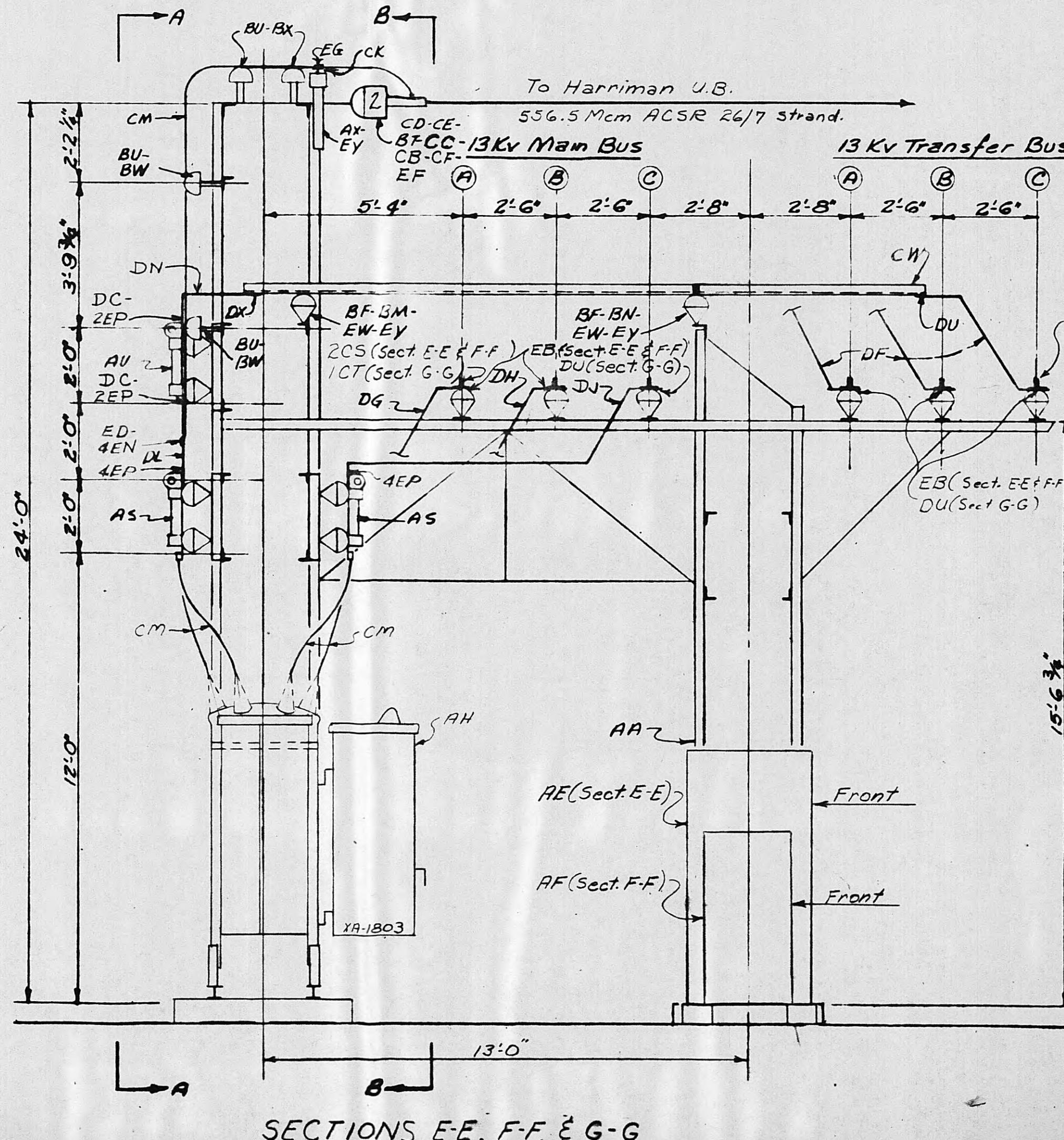
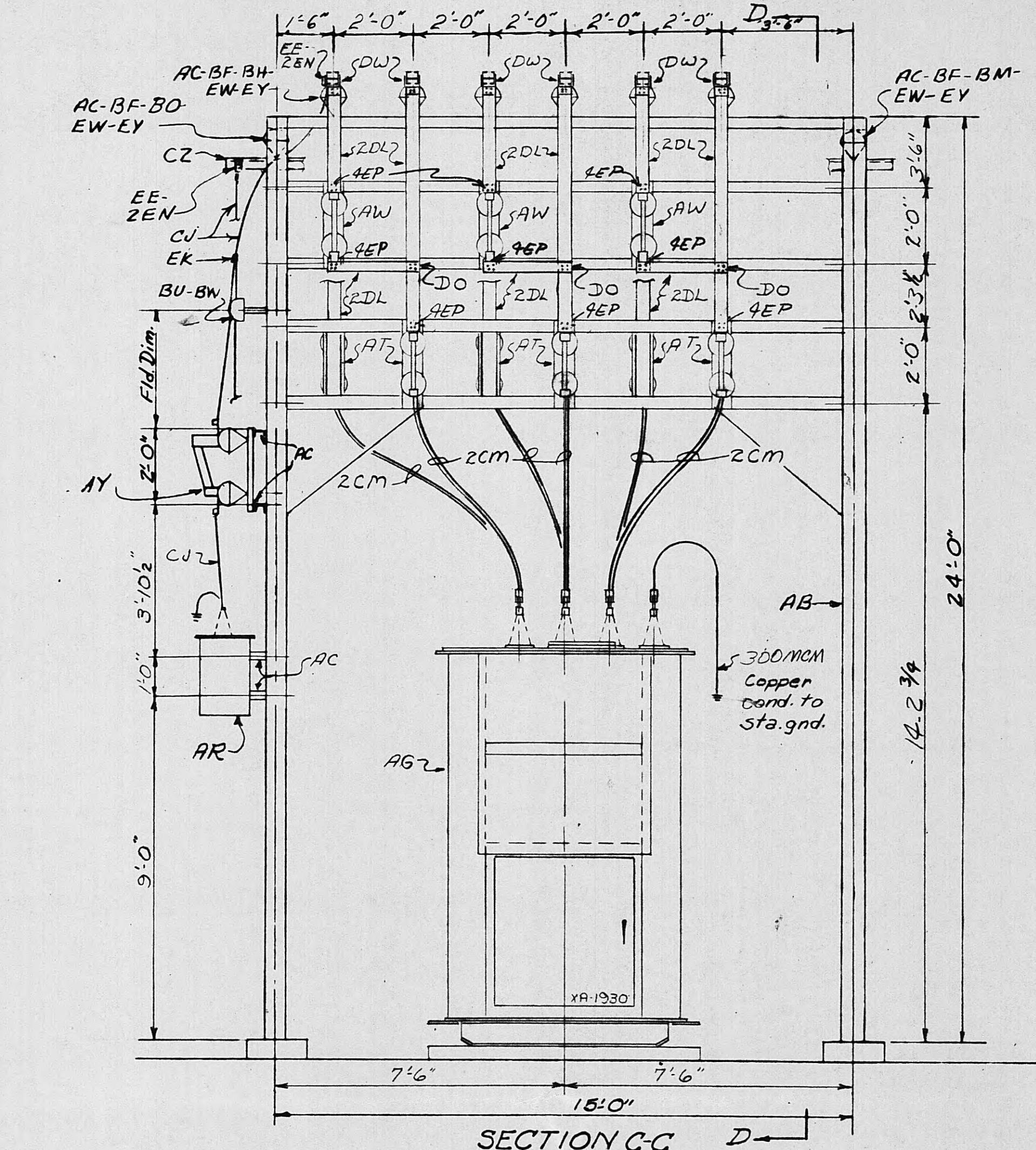
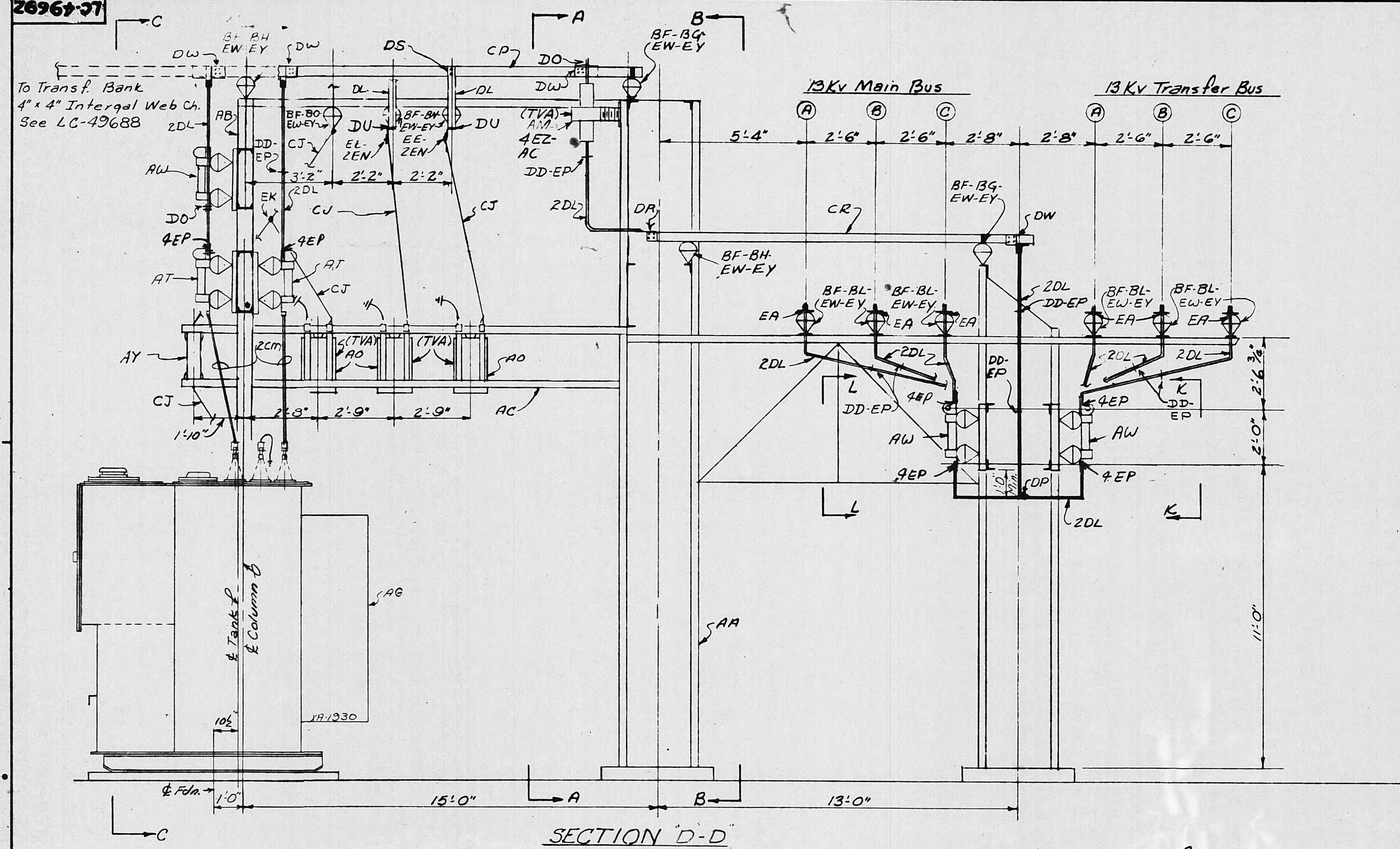
ELEVATION B-B

REFERENCES:  
Bill of Material ---- BMC-- 49693

**TENNESSEE VALLEY AUTHORITY**  
**DIVISION OF POWER PLANNING AND ENGINEERING**

Lease Purchase. See Revision Note 2, Sh. 1.							
2	2/10/84	A7831.DI	DOA	DOA	ENT		
1	Field Change JRD 11-13-69						
	11-10-72		JAL	JAL	JHT		
REV. NO.	DATE	WORK ORDER	DSGN.	DRWN.	CHKD.	SUPV.	APPD.
DSGN.		SUPV.	LBM		W.O.	37174	
DRWN.	RWK		PC		PROJ. ENGR.		DAT
CHKD.	MMR						SCA

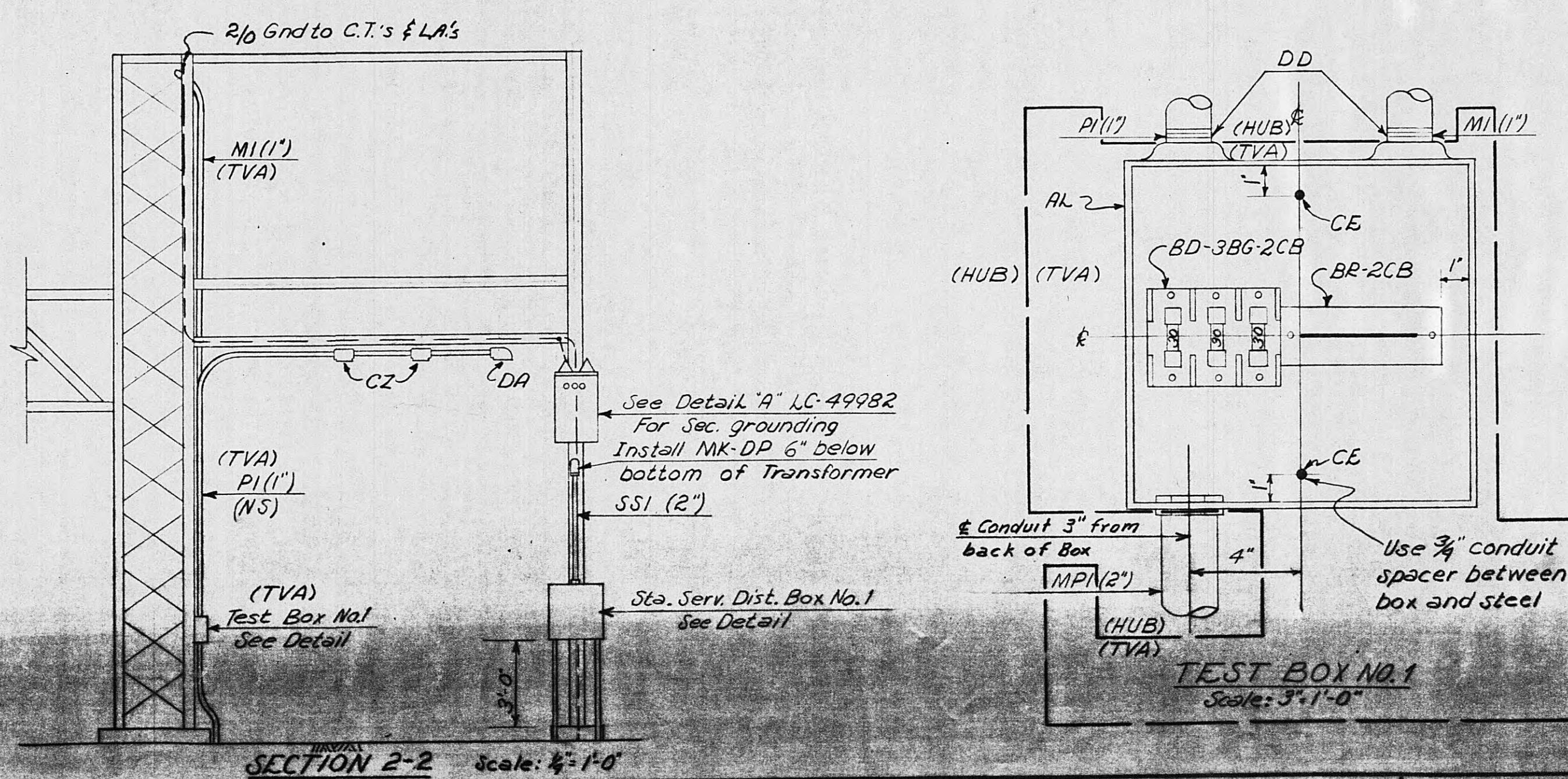
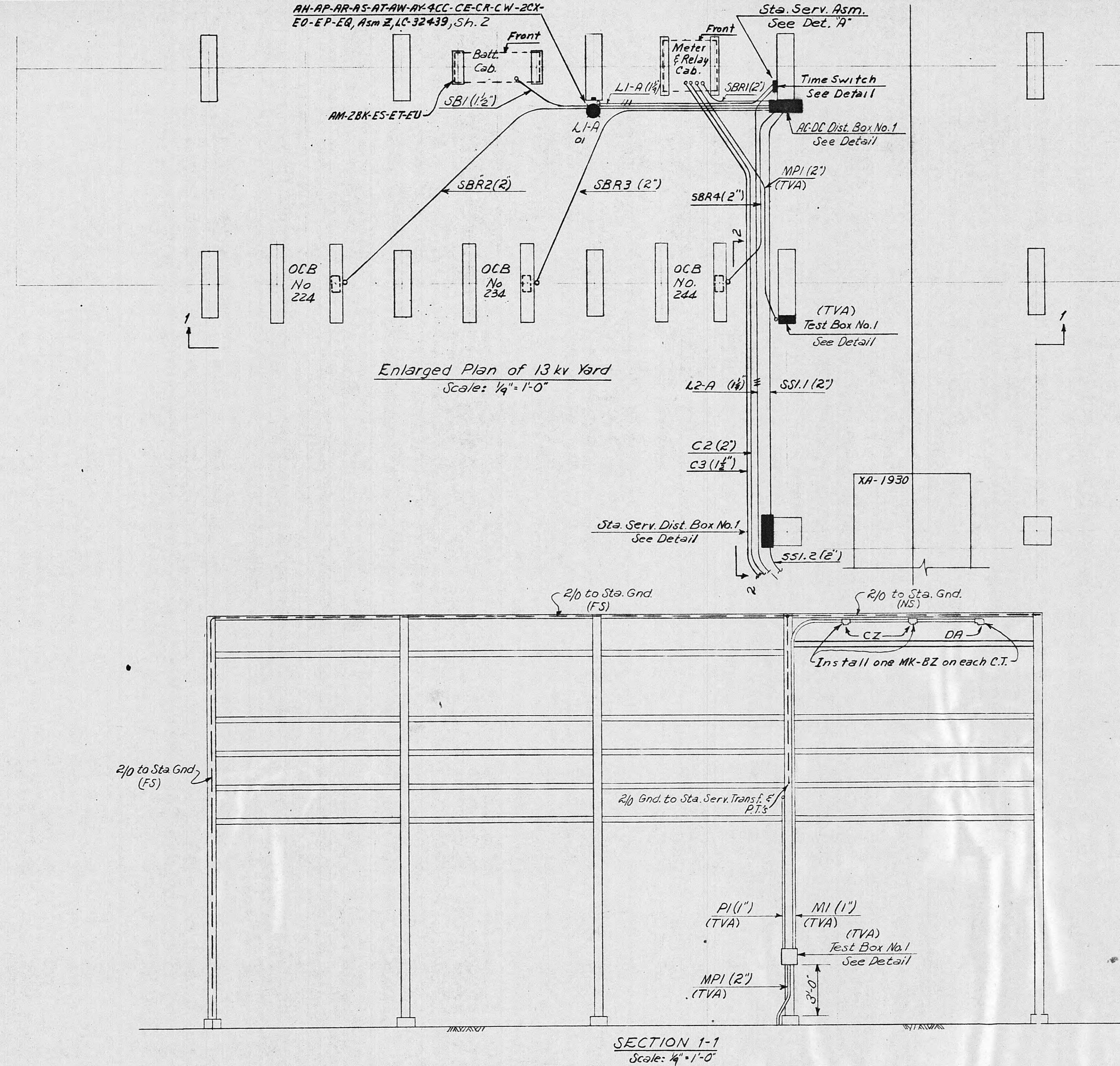
26967-37



REFERENCE:  
Bill of Material ----- B.M.C. 19693

TENNESSEE VALLEY AUTHORITY DIVISION OF POWER PLANNING AND ENGINEERING							
N.E. HARRIMAN, TENN., SUBSTATION - 69KV. 13 KV SWITCHGEAR-TYPE 13 & D PLAN & SECTIONS							
Last Reproduced See Revision Note 2, Sh. 1. 2/10/69 1783101 DOA DOA ENAT							
Field Change JRD 11-13-69							
11-10-70 JAL JAL JHT							
REV. NO.	DATE	WORK ORDER	DSGN. DRAWN	CHGD.	SUPV.	APP'D.	
DOOR	5-26-69	LBM	W.O. 37174				
DRWL. RWK							
CHEK. MMR							
SHEET 3 OF 3 SHEETS							
Signature _____ Approved _____ Date 11-10-70 CLASS CII A0520 Robert W. Clark LG-49692 R-2							

6L666-37



REFERENCES:  
Bill of Material \_\_\_\_\_ BMC-49980  
Conduit and Cable List \_\_\_\_\_ CMC-49981

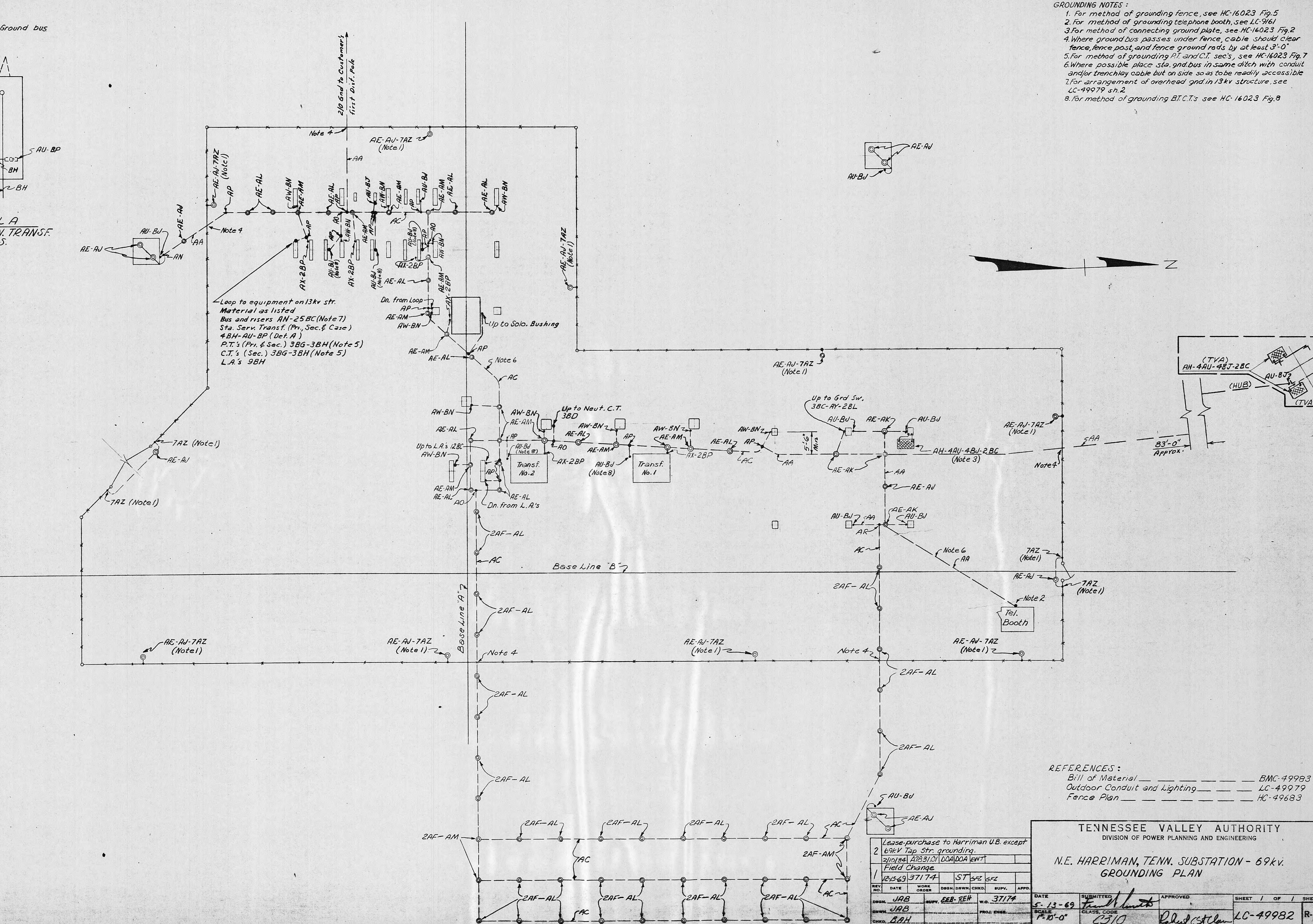
Lease-Purchase: Sheets No. 1 and 3 given to Harriman U.B.

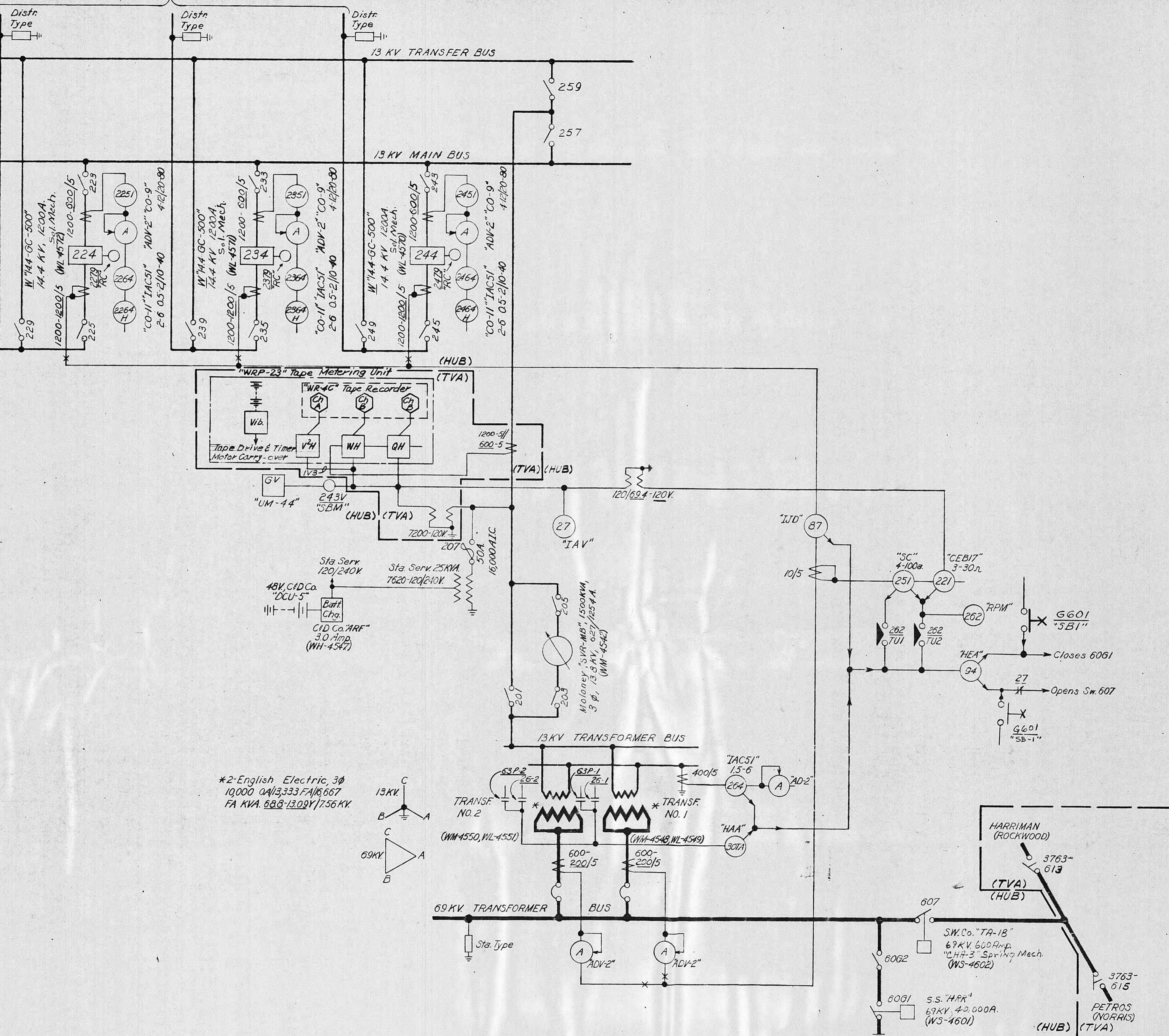
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**TENNESSEE VALLEY AUTHORITY**  
DIVISION OF POWER PLANNING AND ENGINEERING

**N.E. HARRIMAN, TENN. SUBSTATION - 69 KV.**  
**OUTDOOR CONDUIT AND LIGHTING**  
**PLAN AND DETAILS**

	Lease-purchase to Harriman U.B. except						
2	Test Box No. 1 and cables M1, P1, MPI.						
	2/10/84	AT831.01	DOA	DOA	ENT		
1	<u>Field Change</u>						
	12-15-69	37174	ST	SFZ	SFZ		
REV. NO.	DATE	WORK ORDER	DSGN.	DRWN.	CHKD.	SUPV.	APPD.
DSGN.	JAB		EEB	REH		W.O.	37174
DRWN.	JAB					P.D.A. ENGR.	
CHKD.	BAH						



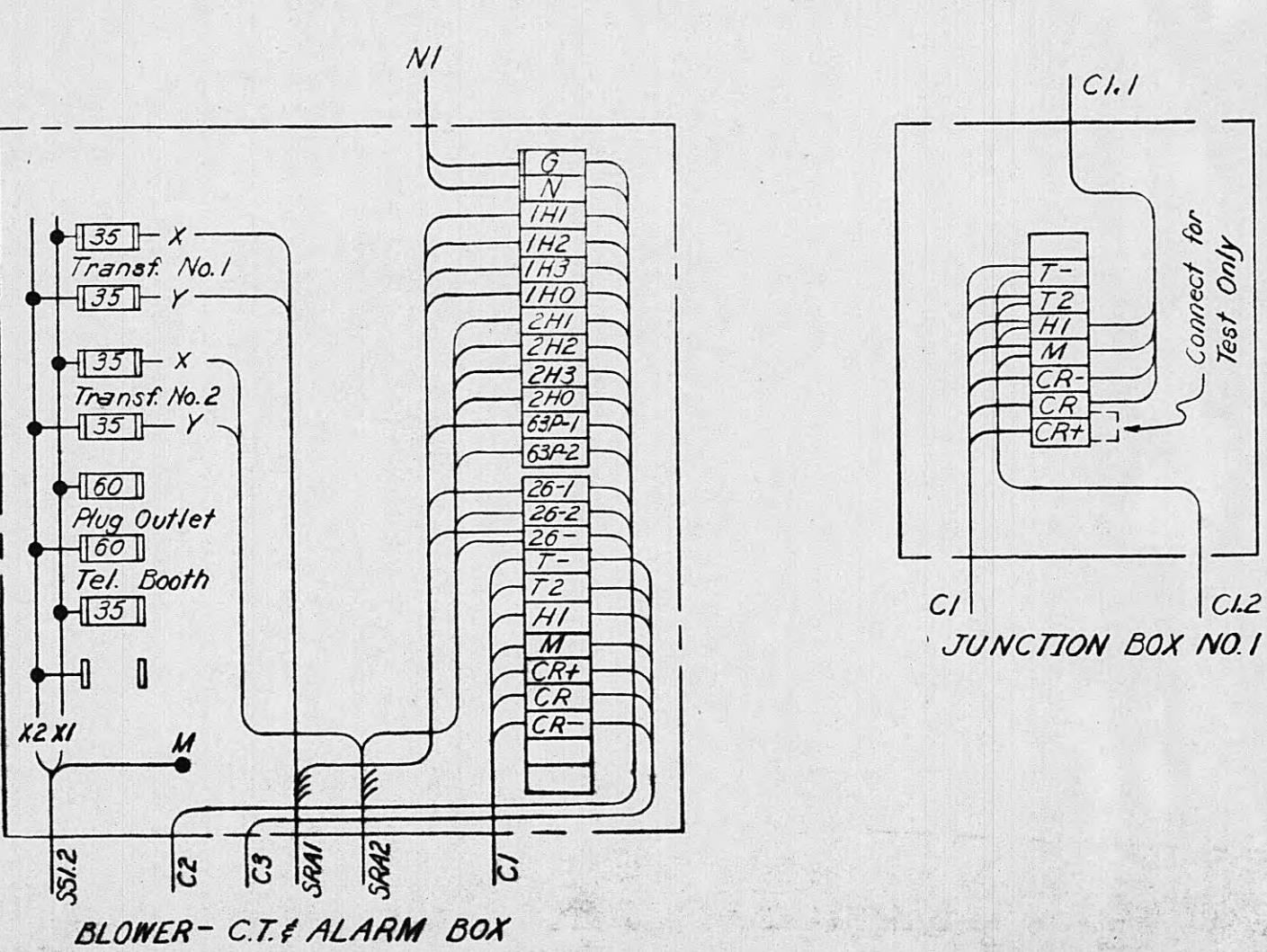
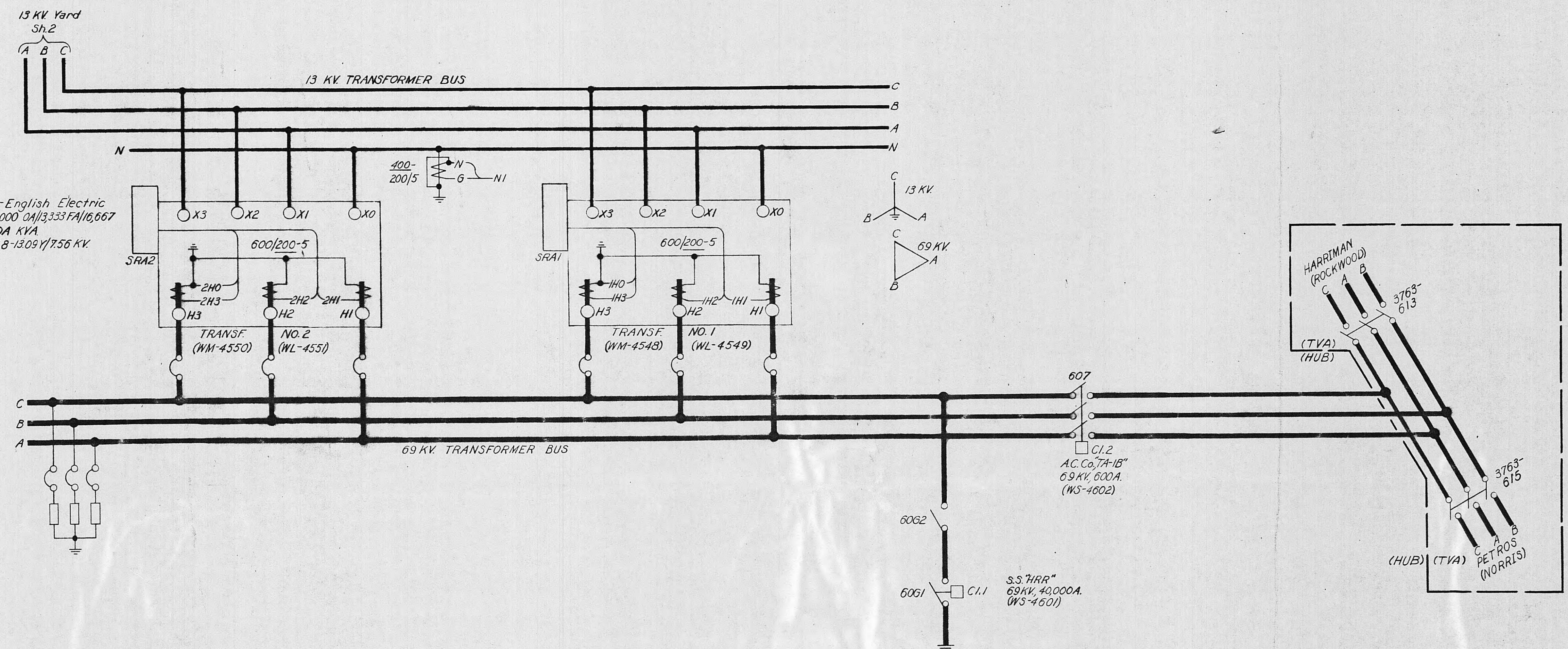


VISION NOTES:

1. Retired: Devices 27F-1, 27F-2, "PD-5Y", "DSW-20,"  
"C-16"
- Added: "WRP-23" Tape Metering Unit
2. Lease-purchase to Harriman U.B. except 69kV  
T.L.'s to Harriman and to Petros and 13kV  
metering C.T.'s, V.T.'s and meters. Reconnected  
V2H to IV3 potential.

**REFERENCES:**

LEASE-PURCHASE. SEE REVISION NOTE 2.					
2/10/84	A7831.01	DOA	DOA	BNT	
Fld. Chg. RHH-85, 11/9/72					
10-30-73		DEH	DEH	JHT	
See Revision Note 1					
4/16/71	37174	RAH	MKB	RPB	DNR
		RUST	RUST	RUST	
Field Change RHH-48 12/8/69					
4/15/71		RAH	MKB	RPB	DNR
		RUST	RUST	RUST	
Corrected tap str. SW. numbers					
8/21/69	37174		DNR		DNR
EV. NO.	DATE	WORK ORDER	DEGN	DRWN	CHKD.
IGN.	LMG	SUPV.			W.O. 37174
RWN.	MFA				PROJ. ENGR.
HKD.	JGG				
ALLEY AUTHORITY PLANNING AND ENGINEERING					
SEE SUBSTATION-69 KV.					
NE DIAGRAM					
COVED <i>E. Chamberlain</i>	SHEET 1 OF 1		SHEETS		
	WL- 4545		R-5		



REVISION NOTES:  
1. Lease-purchase to Harriman U.B. except  
69KV T.L.'s to Harriman and to Rockwood.

REFERENCES:  
Single Line Diagram  
Elementary Diagram

WL-4545  
WL-4588

Conduit Plan & Details  
Conduit & Cable List

LC-49979  
CMC-49981

3	Lease-purchase to Harriman U.B. except 69KV T.L.'s to Harriman & to Petros.
2	Field Change RHH-48 12/3/69
4	4/16/69 RUEHLER RUEHLER DNR ROTH RUEHLER DNR
1	Corrected tap str. switch numbers

REV. NO. DATE WORK ORDER DSGN DRWNS CHND SURV APPD

DSGN. LMG SUPV. WO. 37174

DRWNS MFA PROJ. ENGR.

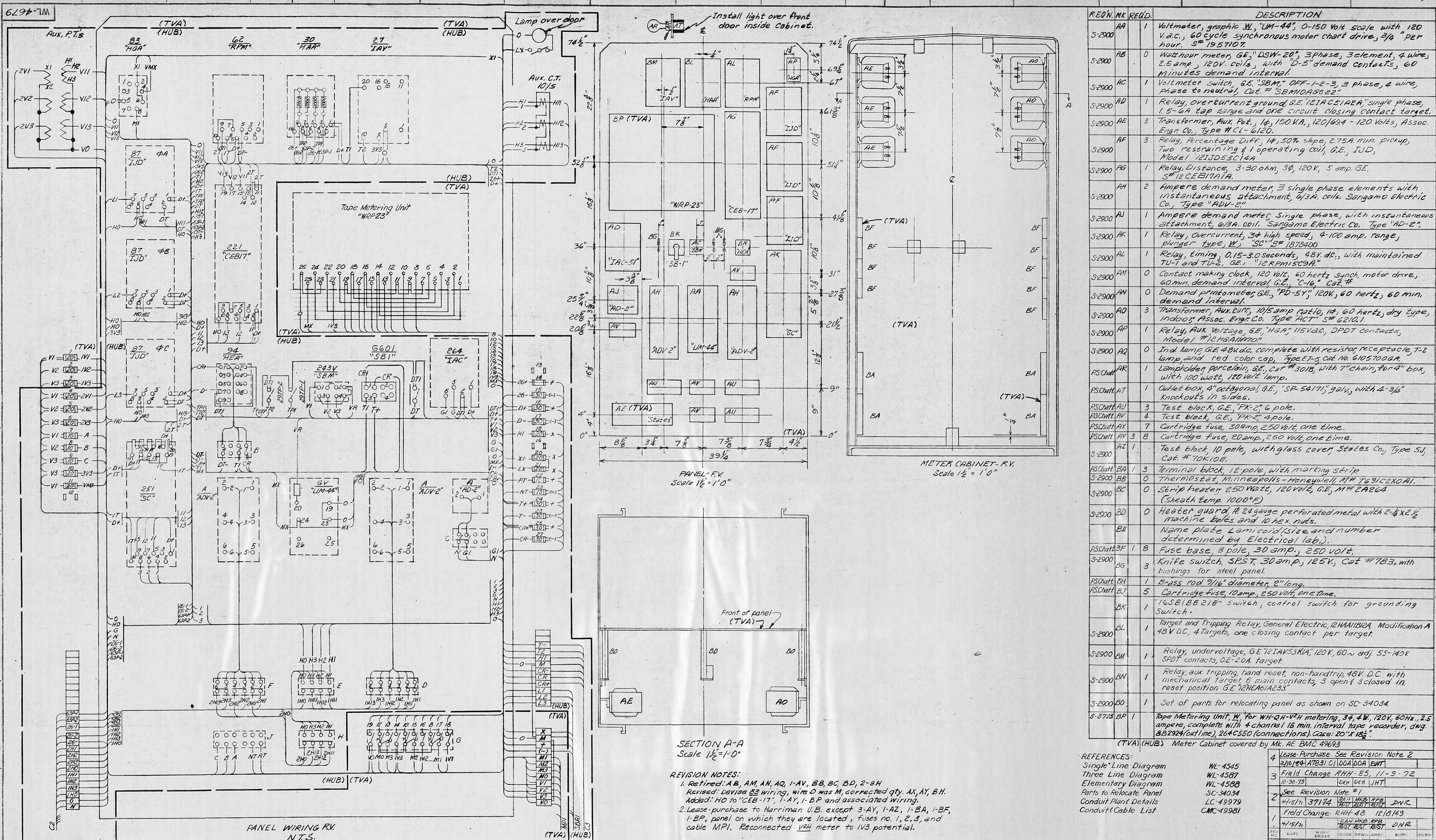
CHND JGG SCALE None CLASS CODE 0303

Station No. 3703  
TENNESSEE VALLEY AUTHORITY  
DIVISION OF POWER PLANNING AND ENGINEERING

NE. HARRIMAN, TENN. SUBSTATION - 69 KV  
THREE LINE DIAGRAM  
69 KV YARD & TRANSFORMER BANK

DATE 6/6/69 SUBMITTED BY *Robert Clark* APPROVED BY *Paul Blakemore* SHEET 1 OF 2 SHEETS  
SCALE None CLASS CODE 0303

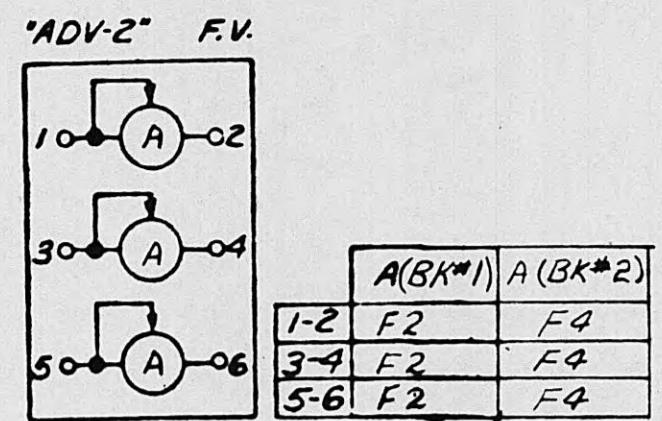
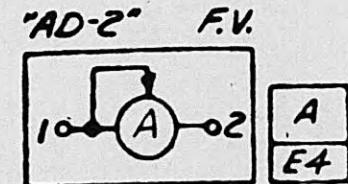
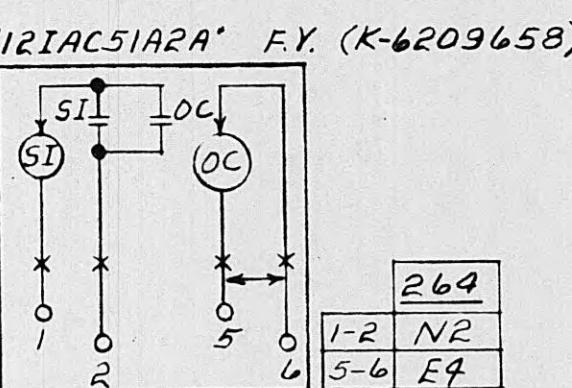
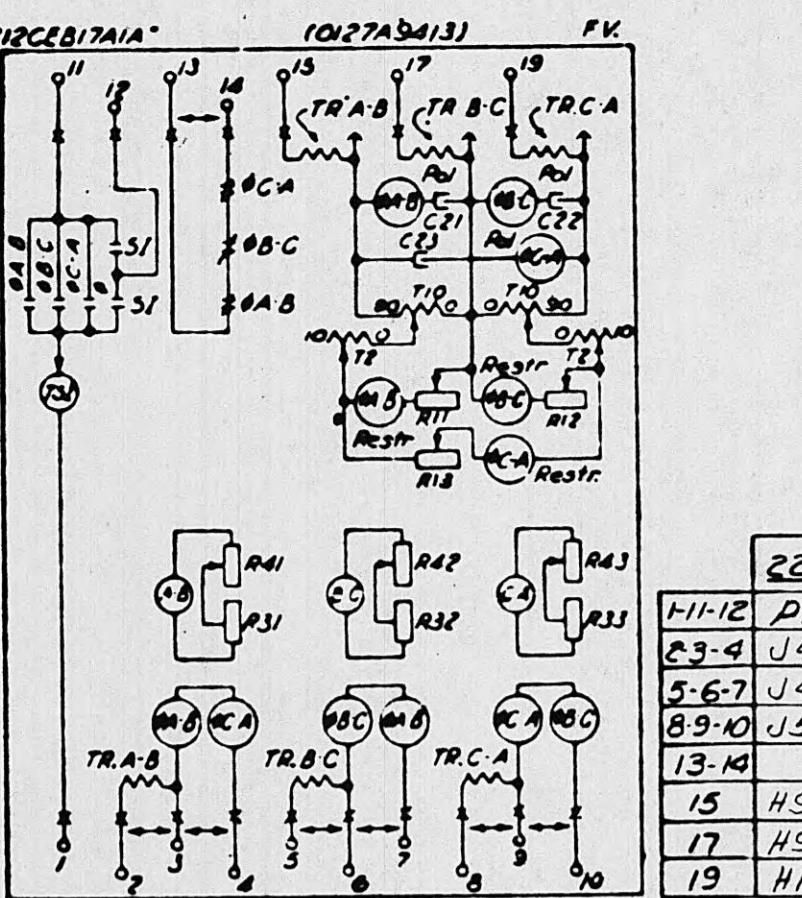
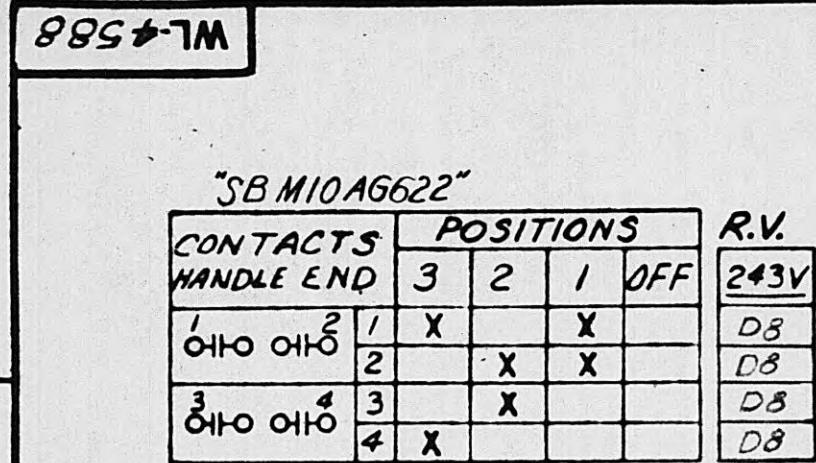
WL-4587 R3



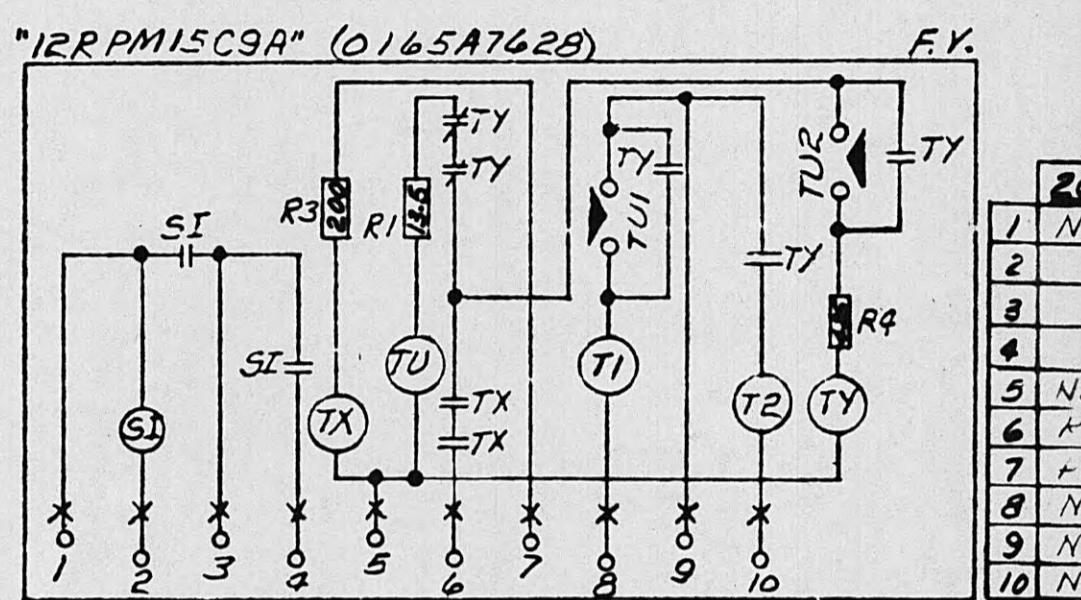
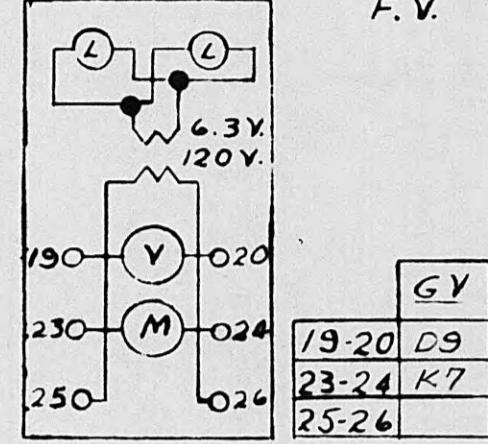
**TENNESSEE VALLEY AUTHORITY**  
DIVISION OF POWER PLANNING AND ENGINEERING

**N. E. HARRIMAN, TENN., SUBSTATION-69KV**  
**RELAY & METER CABINET**  
**PANEL WIRING, F.V., R.V. & B/M**

DATE 6/6/69	SUBMITTED <i>Henry B. Hunter</i>	APPROVED
SCALE AS SHOWN	CLASS. CODE 00070	WORK ORDER WL-4679
SHEET 1 OF 1 SHEETS		R-4



"UM-44" S# 1957107 F.V.



DEVICE SERIES			
DEVICE	TYPE	FUNCTION	
I-99			
200			
6000			
6600			
		SWITCHBOARD	
221	CEB17	Distance relay	
27	IAV	A.C. undervoltage relay	
30TA	HAA	Target, tripping & alarm relay	
243V	SBM	Voltmeter transfer switch	
251	SC	Overcurrent relay	
262	RPM	Timing relay	
264	IAC	Overcurrent ground relay	
83	HGA	Graphic voltmeter chart drive transfer relay	
87	IJD	Bank differential relay	
94	HEA	Aux. tripping relay	
6601	SBI	Control switch for grounding switch	
		One element thermal demand ammeter	
A	AD-2	Three element thermal demand	
4	ADV-2	Graphic voltmeter	
GV	UM-44	Tape Metering Unit	
		(TVA) WH, QH, V2H WRP-23"	

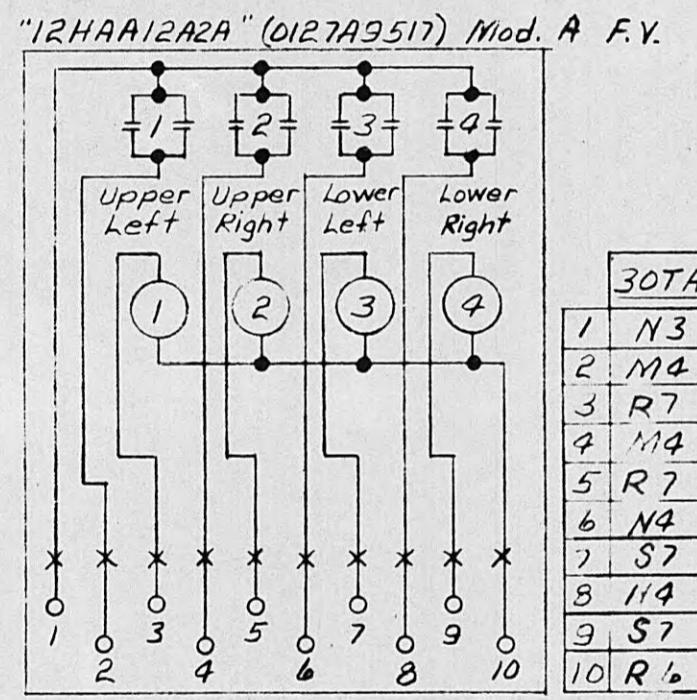
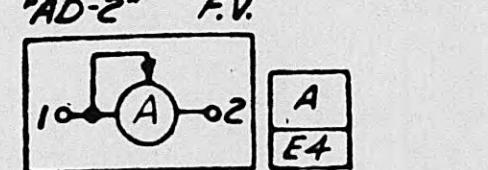
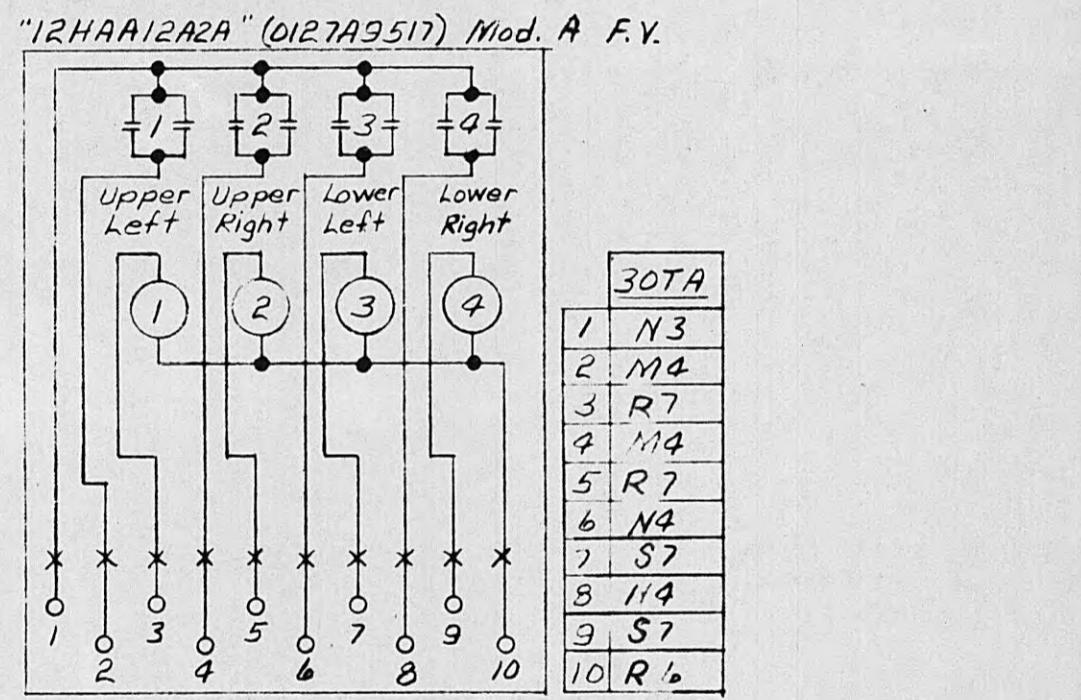
BANK  
Hot spot temperature contacts

SWITCH 607  
Air-break switch  
Trip coil

GROUNDING SWITCH 60G1  
Grounding switch  
Close release coil

REVISION NOTES:

- Retired: "OSW-20", "PD-5Y", "C-16".
- Revised: Index No's as required.
- Added: "WRP-23" Tape Metering Unit.



WL-4545  
WL-4587  
WL-9679

REFERENCES:  
Single Line Diag.  
Three Line Diag.  
13KV Meter & Relay Cab.

Lease-purchase to Harriman U.B. except

4 "WRP-23" Tape Metering Unit.  
2/10/84 A783L01 00ADDA ENT

3 Field Change RHH-85, 11-9-72  
10-30-73 02H OCH JHT

See Revision Note 1

2 4/5/71 37174 24H 14B RPB DNR  
14/16/89 H6  
15-22 07  
17-20 06  
21-23 08  
25-26 16

1 4/5/71 37174 24H 14B RPB DNR  
Field Change RHH-48 12/8/69

REV. NO. WORK ORDER DRAWN DRAWN CHKD. SUPV. SUBM.

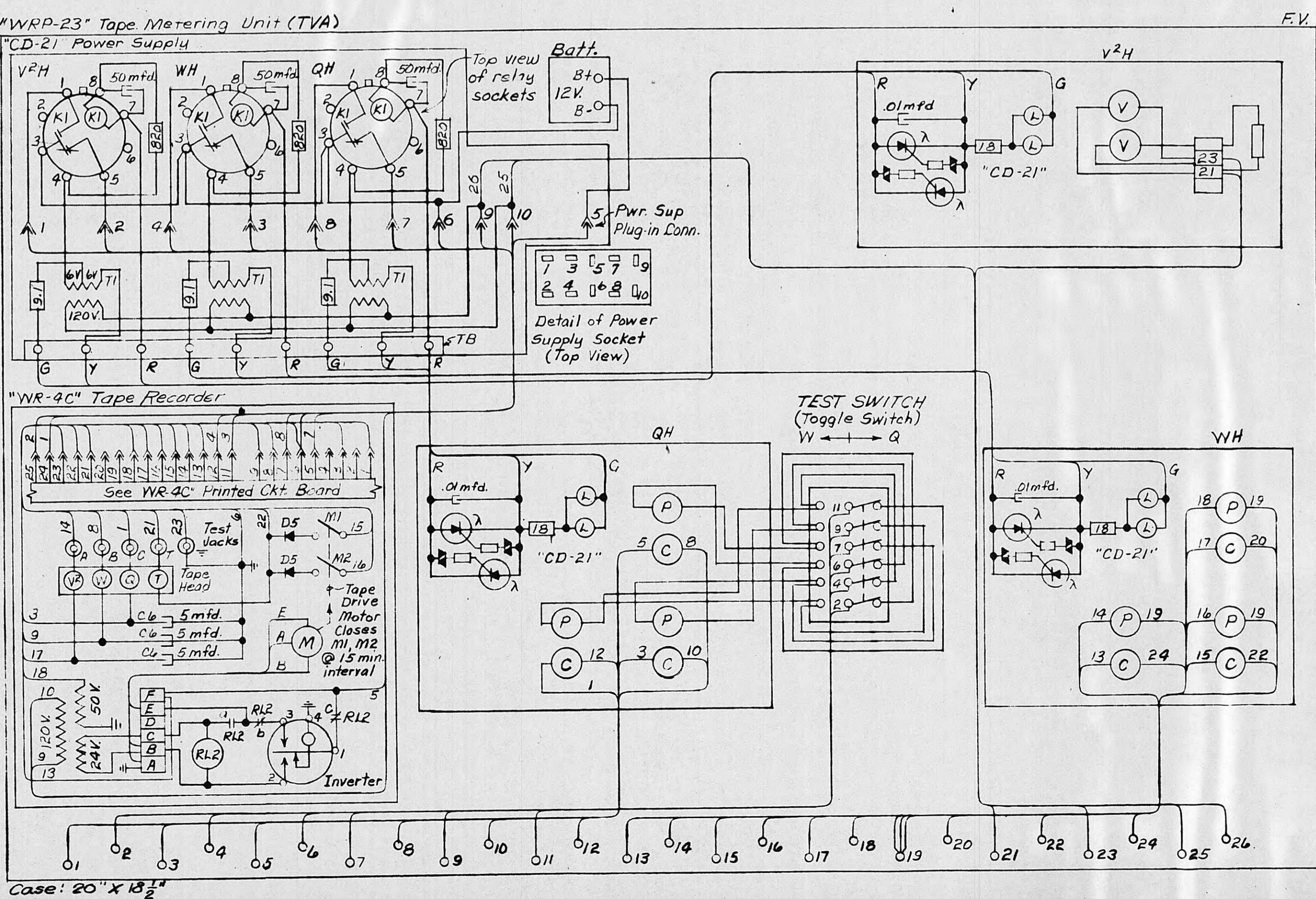
DESN. LMS. SUPV. W.O. 37174  
DRAWN GB  
CHKD. UGG

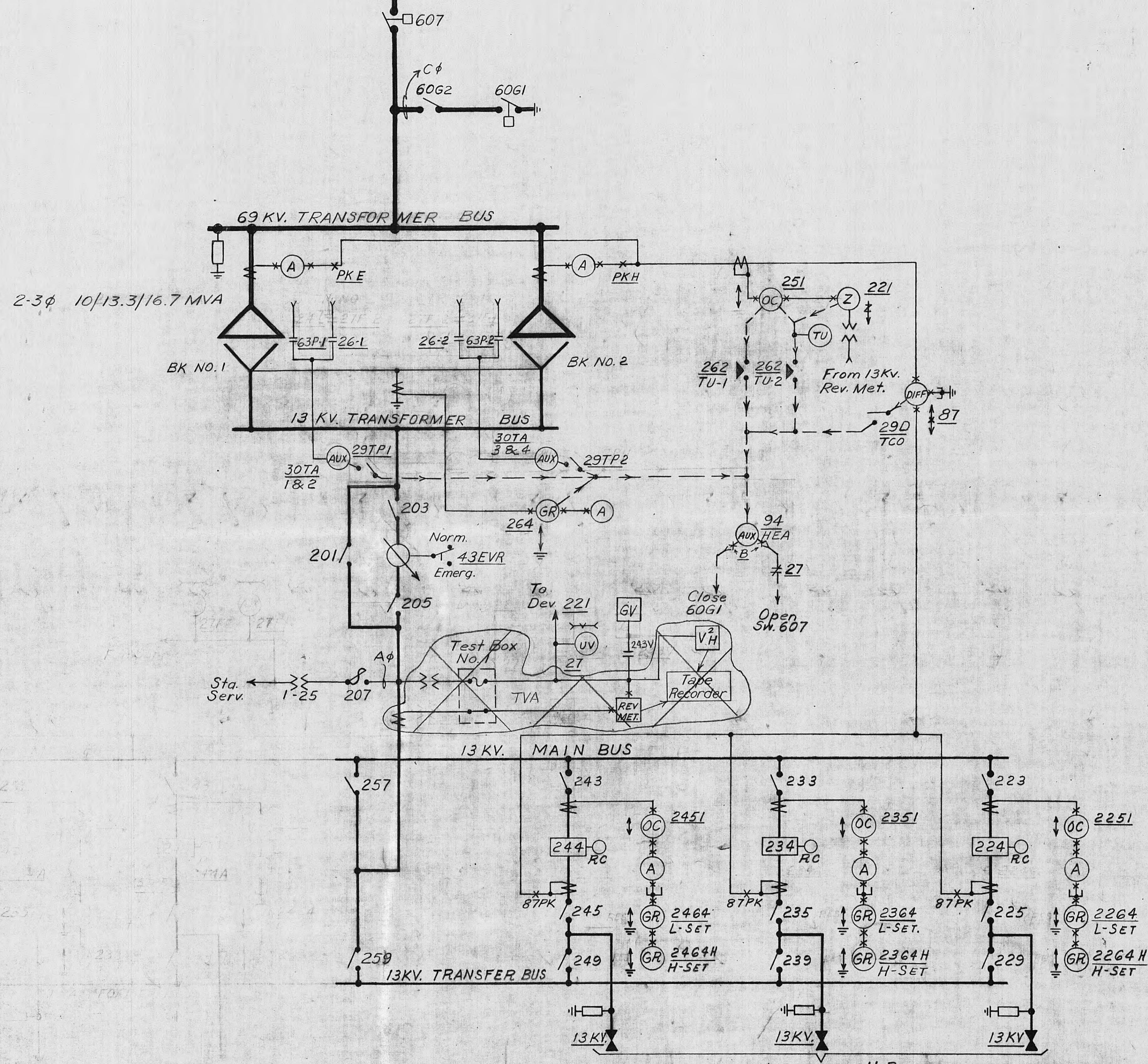
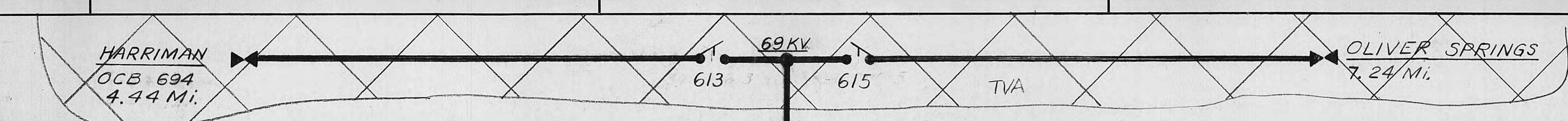
STATION NO. 3763

TENNESSEE VALLEY AUTHORITY  
DIVISION OF POWER PLANNING AND ENGINEERING

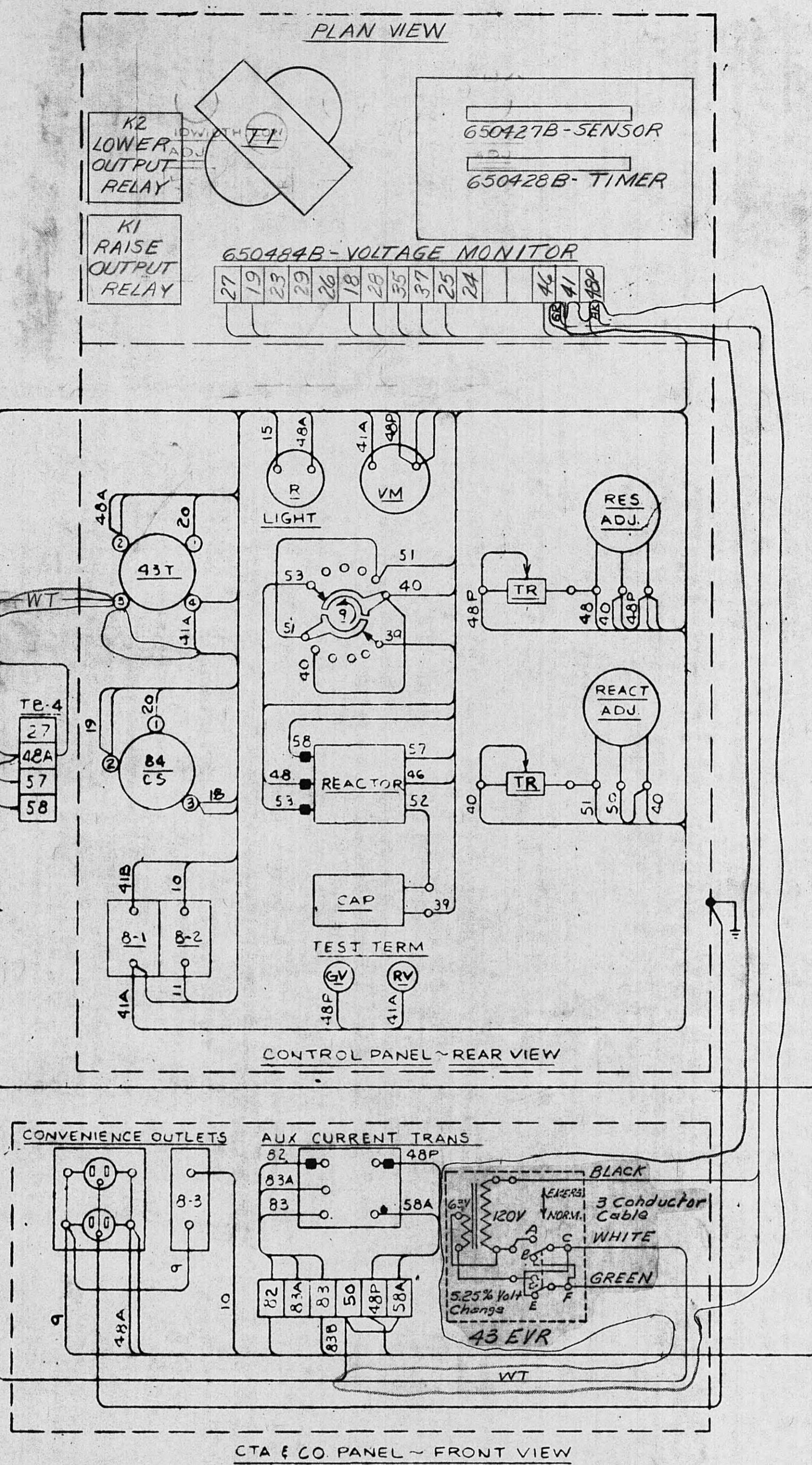
N. E. HARRIMAN, TENN., SUBSTATION -69 KV  
ELEMENTARY DIAGRAM  
INTERNAL CONNECTIONS

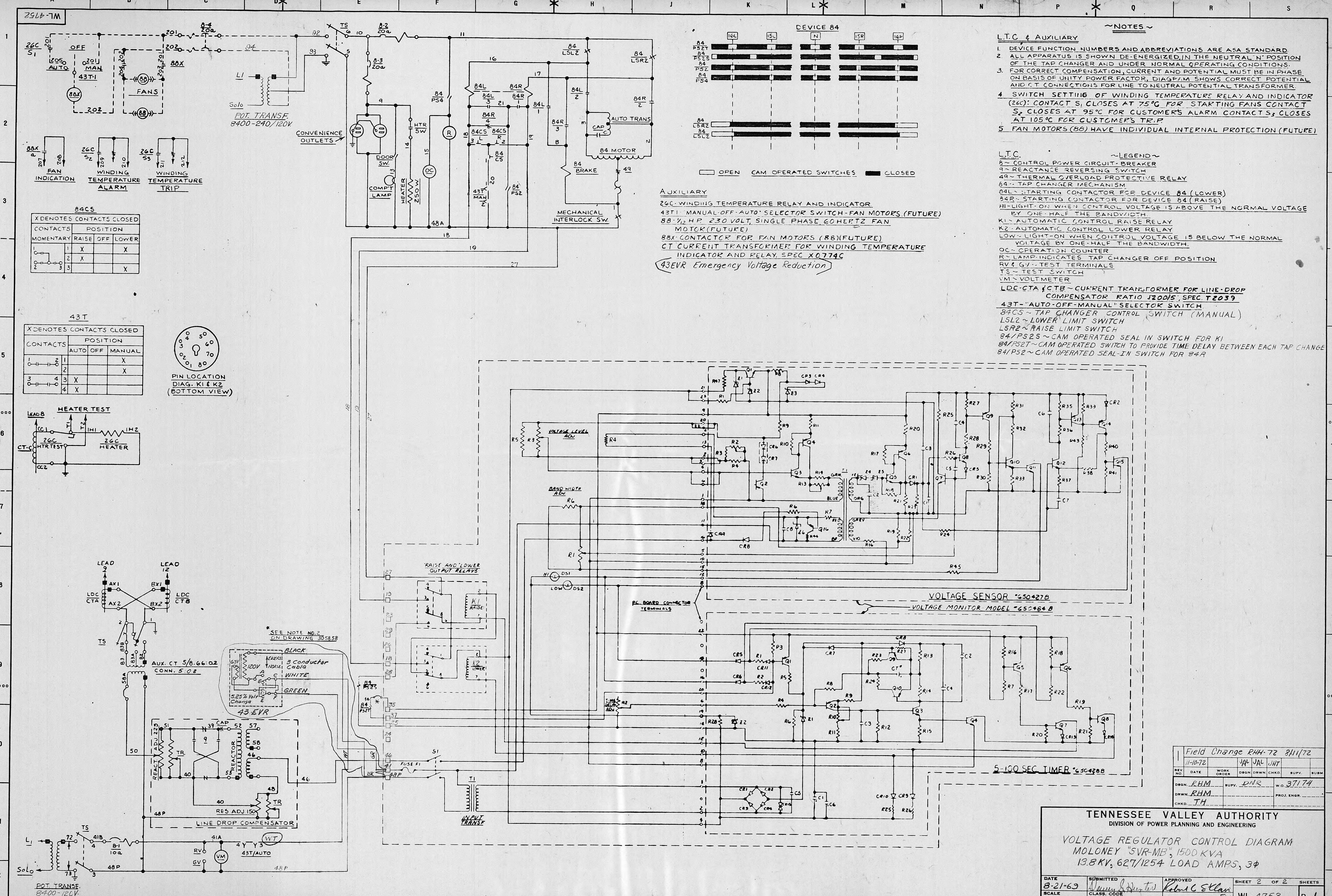
DATE 5/6/69	SUBMITTED Dewey G. Hunter	APPROVED	SHEET 1 OF 2 SHEETS
SCALE None	CLASS CODE 2322	Robert C. St Clair	WL-4588 R-4





WL-4752





Field Change RHH-72 8/11/72				
REV. NO.	DATE	WORK ORDER	DEGN. DRWN. CHKD	SUPV. SUBM.
8-21-69	11-10-72	JAL JAL JHT	W.O. 37174	
DRWN. RHM		SUPV. DNR		
CHKD. TH		PROJ. ENGR.		

VOLTMETER MODEL 650464B

VOLTAGE MONITOR MODEL 650427B

5-100 SEC TIMER 650428B

TENNESSEE VALLEY AUTHORITY  
DIVISION OF POWER PLANNING AND ENGINEERING

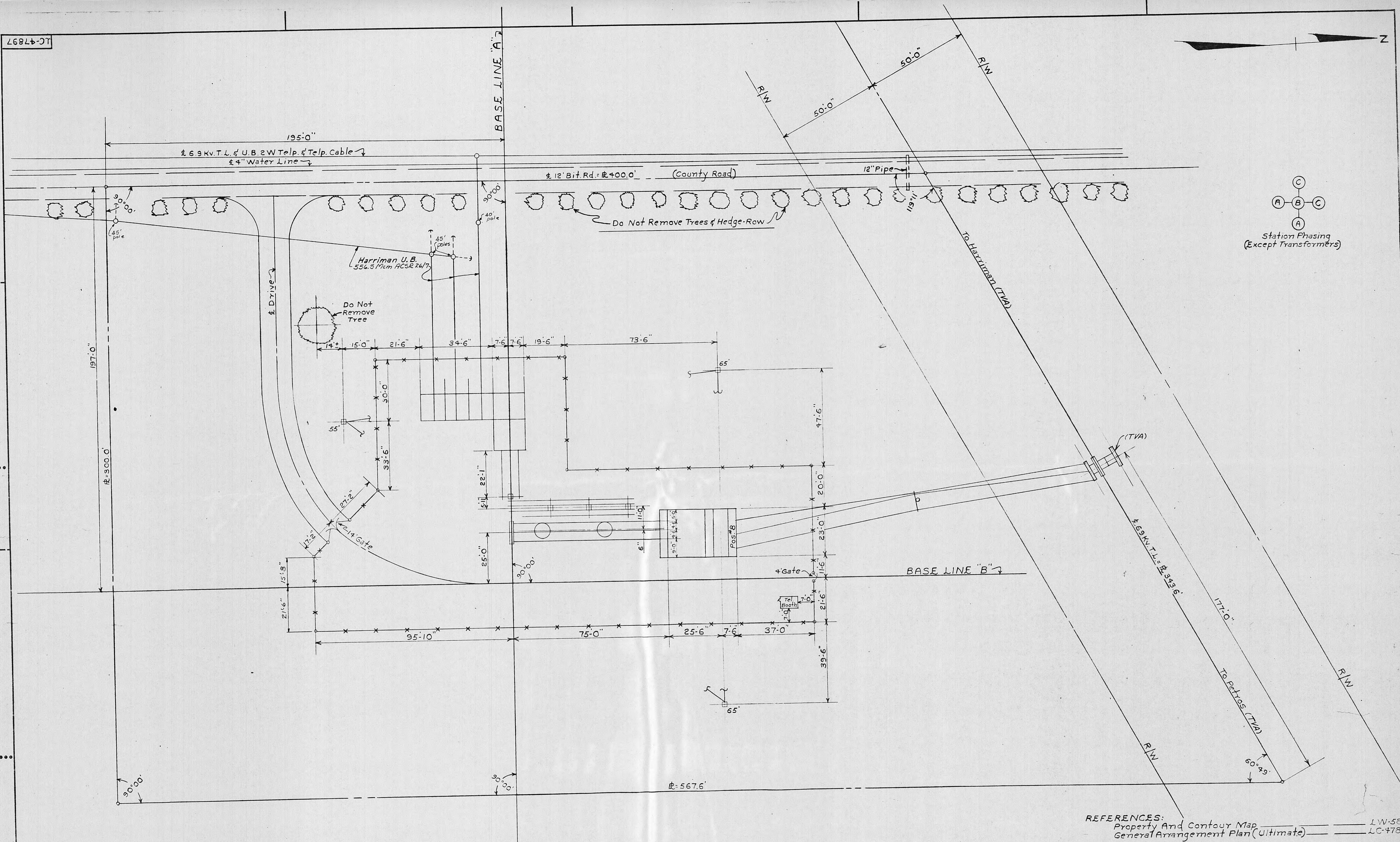
VOLTAGE REGULATOR CONTROL DIAGRAM  
MOLONEY "SVR-MB", 1500 KVA  
13.8 KV, 627/1254 LOAD AMPS, 3Φ

DATE 8-21-69 SUBMITTED 8-21-69 APPROVED Robert C. Elam SHEET 2 OF 2 SHEETS  
SCALE NONE CLASS. CODE E071M FOR WL-4752 R-1



LC-47897

Z

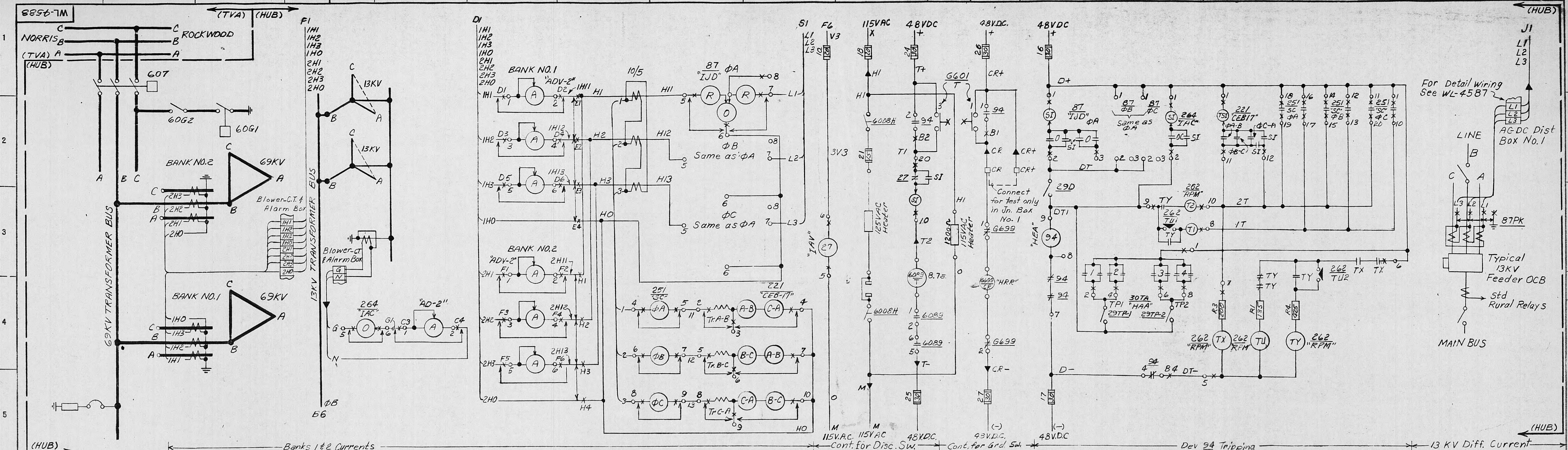


REFERENCES:  
Property And Contour Map  
General Arrangement Plan (Ultimate) — LW-5804  
LC-47897

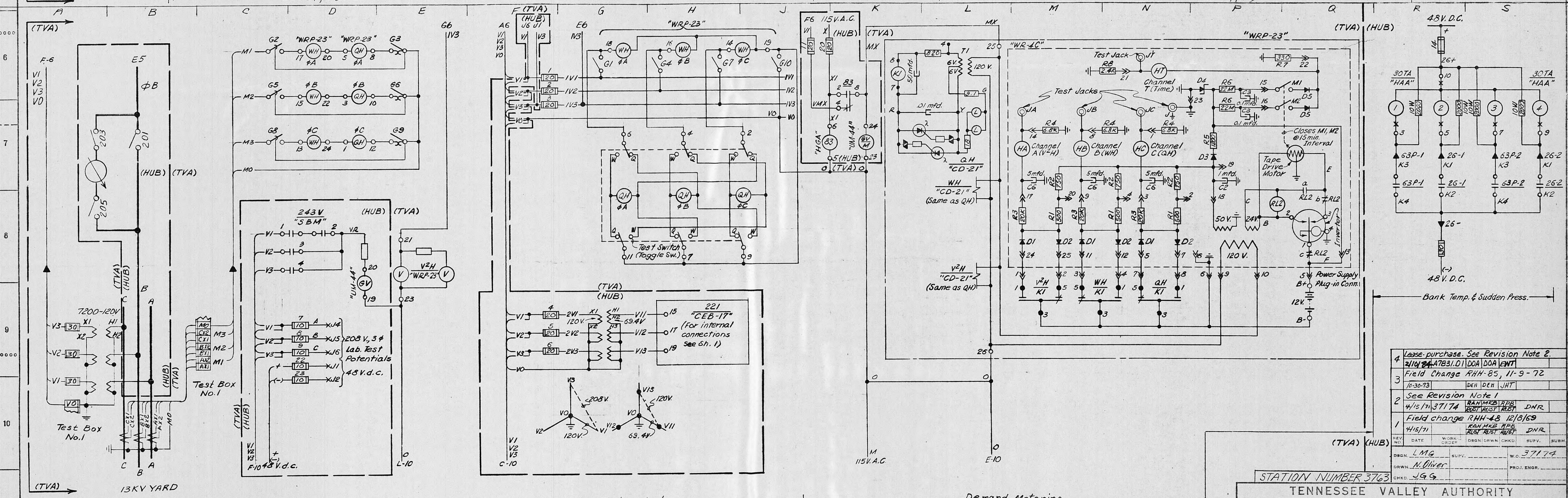
REV. NO.	DATE	WORK ORDER	DESIGN DRAWN	CHECKED	SUPERV.	APPROVED
1	10-17-68	37174	T.P. JRS			ME
DESIGN	SUPV.		W.O. 37174			
DRAWN	RE			PROJ. ENGR.		
CHKD	JRS					

TENNESSEE VALLEY AUTHORITY  
DIVISION OF POWER PLANNING AND ENGINEERING  
N.E. HARRIMAN, TENN. SUBSTATION-69KV  
GENERAL ARRANGEMENT PLAN  
INITIAL

DATE	SUBMITTED	APPROVED	SHEET 1 OF 1 SHEETS
8-16-68	R. Blattstetler	8/20/68	LC-47897 R-3
SCALE	CLASS CODE		
1:20'-0"	1301		



Banks 1 & 2 Currents      Dev 94 Tripping      13 KV Diff. Current



**REVISION NOTES:**  
 1. Retired: Devices 27E-1, 27E-2, red light (loss Sta. Serv.) "DSW-20", "PD-5Y", "C-16".  
 Revised: Bus O was M, HO connection to "CEB" was M.  
 Added: "WRP-23" tape Metering Unit.  
 2. Lease-purchase to Harriman U.B. except 69KV T.L.'s to Norris and Rockwood, Test Box No. 1, 13KV metering C.T.'s, V.T.'s, meters, and associated fuses as indicated.  
 Reconnected V2H to V13 potential.

For Detail/Wiring  
See WL-4587

L1  
L2  
L3

AC/DC Dist Box No.1

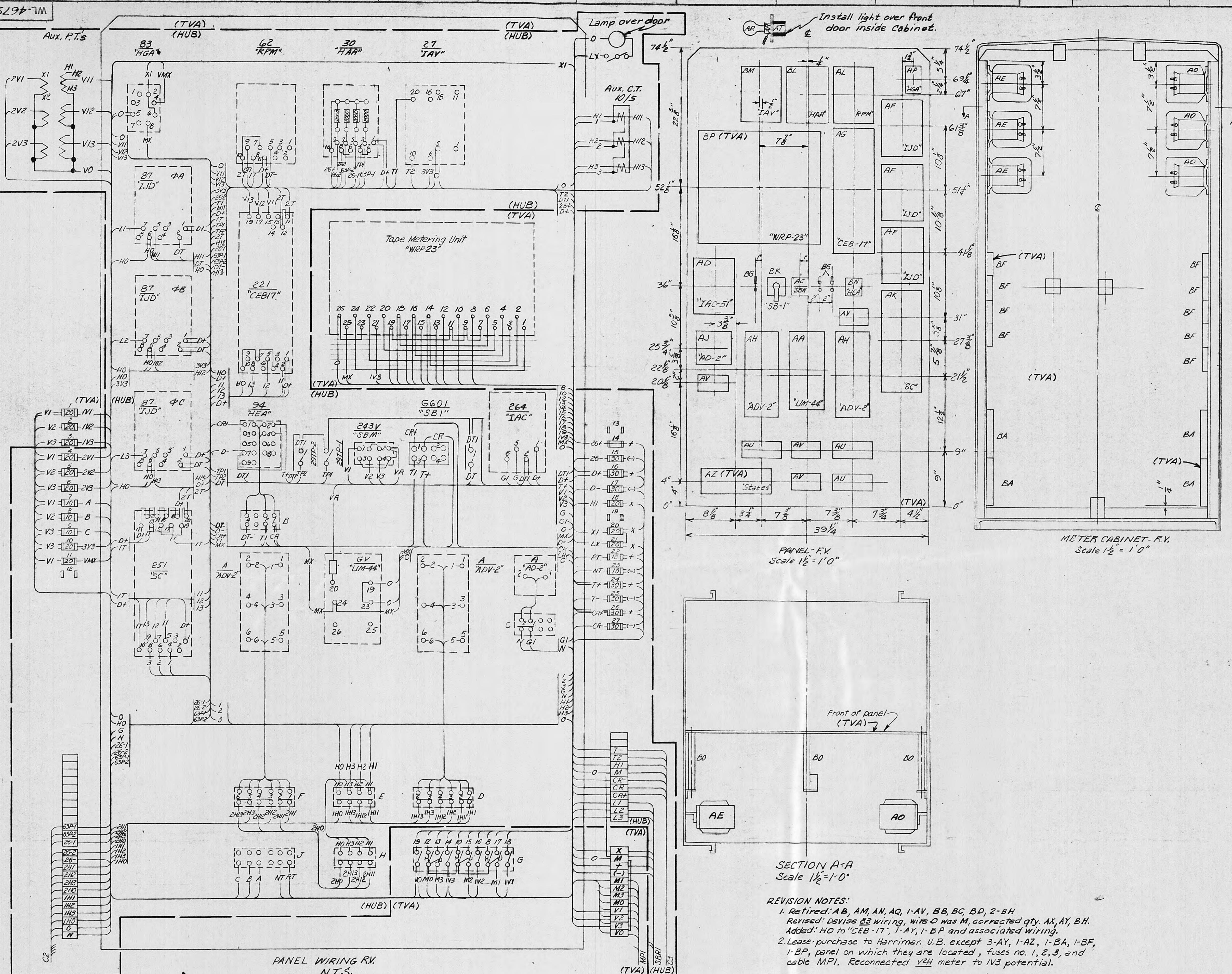
LINE  
B  
A

87PK

Typical 13KV Feeder OCB

Std Rural Relays

MAIN BUS



REQN.	MK	REQ'D.	DESCRIPTION
S-2900	AA	1	Voltmeter, graphic W, "UM-44", 0-150 volt scale with 120 V. d.c., 60 cycle synchronous motor chart drive, 3/4 " per hour. S# 1957107.
S-2900	AB	0	Watt-hour meter, GE, "DSW-20", 3 phase, 3 element, 4 wires, 2.5 amp., 120V. coils, with "D-5" demand contacts, 60 minutes demand interval.
S-2900	AC	1	Voltmeter switch, G.E. "SBM," OFF-1-2-3, 3 phase, 4 wire, Phase to neutral, Cat. # "SBM10AG622".
S-2900	AD	1	Relay, overcurrent ground, G.E. "121AC51A2A," single phase, 1.5-6A tap range and one circuit closing contact target.
S-2900	AE	3	Transformer, Aux. Pot., 1φ, 150 V.A., 120/69.4 - 120 Volts, Assoc. Engr Co., Type # CL-6120.
S-2900	AF	3	Relay, Percentage Diff., 1φ, 50% slope, 2.75A. min. pickup, Two restraining & 1 operating coil, G.E., IJD, Model 12IJD53C14A
S-2900	AG	1	Relay, Distance, 3-30 ohm, 3φ, 120V., 5 amp. G.E. S# 12CEB17A1A.
S-2900	AH	2	Ampere demand meter, 3 single phase elements with instantaneous attachment, 6/3A. coils, Sangamo Electric Co., Type "ADV-2".
S-2900	AI	1	Ampere demand meter, single phase, with instantaneous attachment, 6/3A. coil. Sangamo Electric Co. Type "AD-2".
S-2900	AK	1	Relay, overcurrent, 3φ high speed, 4-100 amp. range, plunger type, W, "SC" S# 1878400
S-2900	AL	1	Relay, timing, 0.15-3.0 seconds, 48V. d.c., with maintained TU-1 and TU-2, G.E., "12RPM15C9A."
S-2900	AM	0	Contact making clock, 120 volt, 60 hertz synch. motor drive, 60 min. demand interval, G.E., "C-16," Cat. #
S-2900	AN	0	Demand printometer, G.E., "PD-5Y", 120V., 60 hertz, 60 min. demand interval.
S-2900	AO	3	Transformer, Aux. CURT., 10/5 amp ratio, 1φ, 60 hertz, dry type, indoor, Assoc. Engr. Co. Type "ACT" S# 6210.1.
S-2900	AP	1	Relay, Aux. Voltage, G.E., "HGA," 115V.d.c., DPDT contacts, Model # 12HGA11A70.
S-2900	AQ	0	Ind. lamp, G.E. 48V. d.c. complete with resistor, receptacle, T-2 lamp, and red color cap, Type ET-5 Cat. No. 6105700GA.
PS.Chatt.	AR	1	Lampholder, porcelain, G.E., Cat # 3018, with 7" chain, for 4" box, with 100 watt, 120 volt lamp.
PS.Chatt.	AT	1	Outlet box, 4" octagonal, G.E., "SP-54171," galv., with 4-3/4" knockouts in sides.
PS.Chatt.	AU	3	Test block, G.E., "PK-2" 6 pole.
PS.Chatt.	AV	4	Test block, G.E., "PK-2," 4 pole.
PS.Chatt.	AX	7	Cartridge fuse, 30amp., 250 volt, one time.
PS.Chatt.	AY	3	Cartridge fuse, 20amp., 250 volt, one time.
S-2900	AZ	1	Test block, 10 pole, with glass cover, States Co., Type SJ, Cat. # 70K10E.
PS.Chatt.	BA	1	Terminal block, 12 pole, with marking strip.
S-2900	BB	0	Thermostat, Minneapolis-Honeywell, M# T631C2X0A1.
S-2900	BC	0	Strip heater, 250 Watt, 120 volt, G.E., M# 2A264 (Sheath temp. 1000°F)
S-2900	BD	0	Heater guard, # 24 gauge perforated metal with 2-1/4 x 2-1/2" machine bolts and 10 hex. nuts.
	BE		Name plate Lamicoid (size and number determined by Electrical Lab.).
PS.Chatt.	BF	1	Fuse base, 3 pole, 30 amp., 250 volt.
S-2900	BG	3	Knife switch, SPST, 30 amp., 125V., Cat # 783, with bushings for steel panel.
PS.Chatt.	BH	1	Brass rod 9/16" diameter, 2" long.
PS.Chatt.	BJ	5	Cartridge fuse, 10amp., 250 volt, one time.
	BK	1	"16SB1BB218" switch, control switch for grounding switch.
S-2900	BL	1	Target and Tripping Relay, General Electric, 12HAA1B12A, Modification A 48V D.C., 4 Targets, one closing contact per target.
S-2900	BM	1	Relay, undervoltage, G.E. "12IAV53K1A", 120V, 60~ adj. 55-140V SPDT contacts, 0.2-2.0A. target.
S-2900	BN	1	Relay, aux. tripping, hand reset, non-handtrip, 48V. D.C. with mechanical target, 6 main contacts, 3 open & 3 closed in reset position. G.E. "12HEA61A233".
S-2900	BO	1	Set of parts for relocating panel as shown on SC-34034.
S-3725	BP	1	Tape Metering Unit, W for WH-QH-V2H metering, 34, 4W, 120V, 60Hz., 2.5 ampere, complete with 4 channel 15 min. interval tape recorder, dwg. 8B2924(outline), 264C550(connections). Case: 20" x 18 1/2".

REFERENCES:		4	Lease-Purchase. See Revision Note 2				
Single Line Diagram	WL-4545	2/10/84	A7831.01	DOA	DOA	EWT	
Three Line Diagram	WL-4587	Field Change RHH-85, 11-9-72					
Elementary Diagram	WL-4588	10-30-73		DEH	DEH	JHT	
Arts to Relocate Panel	SC-34034	See Revision Note #1					
Conduit Plant Details	LC-49979	4/15/71	37174	RAH	MKB	RPB	DNR
Conduit & Cable List	CMC-49981			RUST	RUST	RUST	
		Field Change RHH-18, 12/18/68					

Lease-Purchase. See Revision Note 2						
2/10/84	A7831.01	DOA	DOA	ENT		
Field Change RHH-85, 11-9-72						
10-30-73		DEH	DEH	JHT		
See Revision Note #1						
4/15/71	37174	RAH RUST	MKB RUST	RPB RUST	DNR	
Field Change. RHH-48 12/8/69						
4/15/71		RAH RUST	MKB RUST	RPB RUST	DNR	
DATE	WORK ORDER	DEGN	DRWN	CHKD	SUPV.	SUSM
SN. LMG	SUPV.				W.O. 37174	
WN. Oliver					PROJ. ENGR.	
KD. JGG						

CHKE-~~555~~

**TENNESSEE VALLEY AUTHORITY**  
DIVISION OF POWER PLANNING AND ENGINEERING

E. HARRIMAN, TENN., SUBSTATION-69KV  
RELAY & METER CABINET  
PANEL WIRING. F. V. R. V & R/M

69	SUBMITTED <i>Denny S. Hunter</i>	APPROVED	SHEET 1 OF 1 SHEETS
CHOWN	CLASS. CODE 00070	<i>Robert C. Clark</i>	WL- 4679 R-4