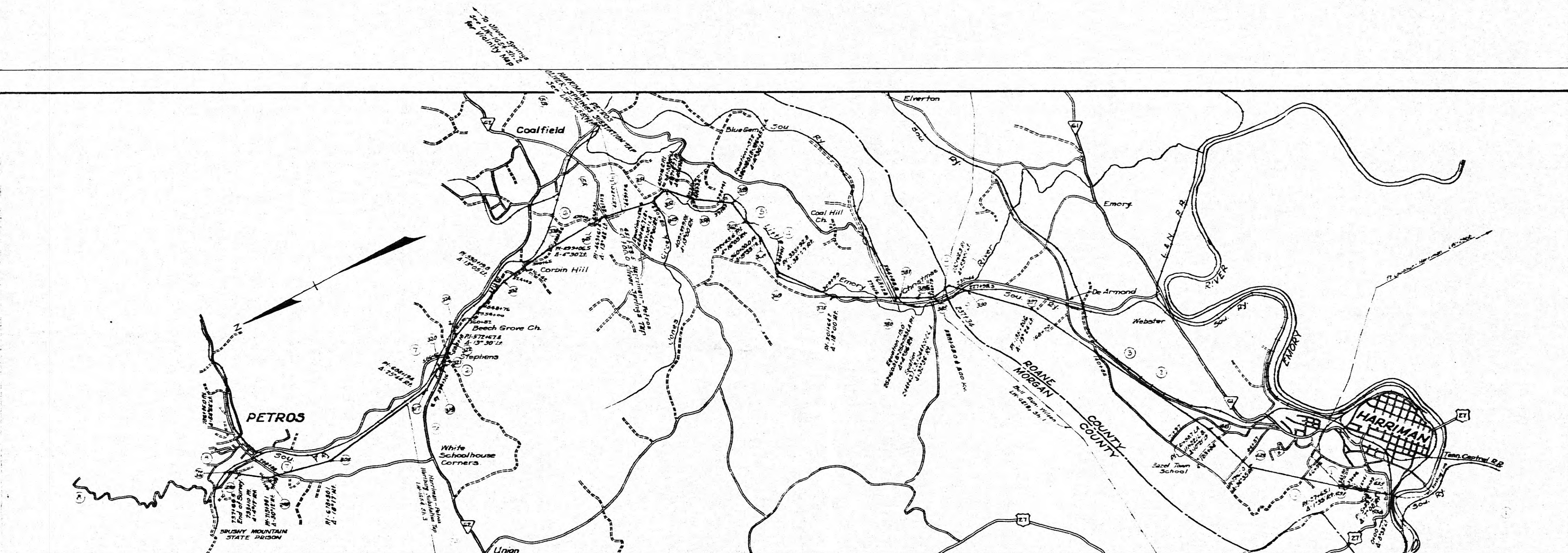




INDEX OF PLAN & PROFILE SHEETS

FROM STA.	TO STA.	NO.	FROM STA.	TO STA.
0+00	40+00	5	350+00	470+00
0+00	40+00	6	470+00	590+00
40+00	110+00	7	590+00	710+00
110+00	230+00	8	710+00	737+66.5
230+00	350+00			

TABLE OF EQUATIONS

EQUATION	PLUS	MINUS
111+221 L.D.		
61+967 L.A.	49234	
252+603 L.D.		19.0'
252+793 L.A.		
386+501 L.D.		37.2'
386+452 L.A.		
440+067 L.D.		
435+021 L.A.	5046	
252+793 L.D.		23.7'

Note:-
There is 32924 feet of existing line between substation and station 0+00 which is not included in the summary.

SUMMARY

COUNTY	FEET	MILES
Roane Co, Tenn.	34654	5.4275
Morgan Co, Tenn.	50546	0.5560
Total	85200	10.0000

NOTE:-
See Sheet 2 LW-1654 for Vicinity Map & Summary for Harriman-Petros, Oliver Springs Sub. Sta. Top

1. Locals Set - Run - 21.518 TL
2. Re. E. from Sta. 22+45.5
3. Round - 3 - 244+222 L.A.
4. Changed from Short - 1725 ft
5. Added Harting Sub. Sta. Top
6. Added Harting - Petros
7. Clear Springs Substation Top
8. Final 5' - Not Changed
9. Final 5' - Not Changed
10. Petros to 5 Spectra Area
11. Scale Change - End - 25.40 J.D.B.

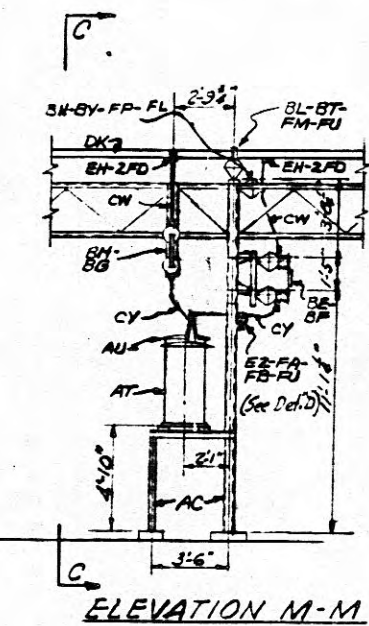
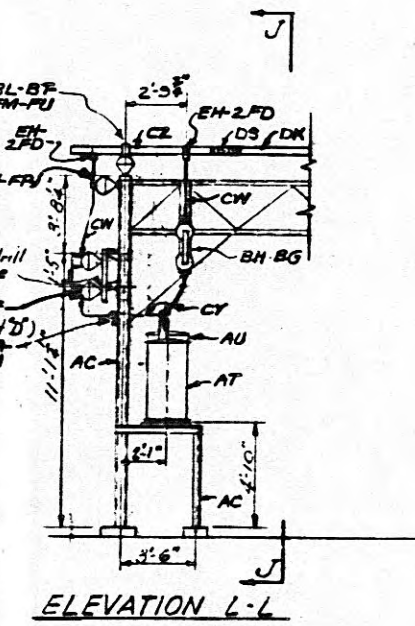
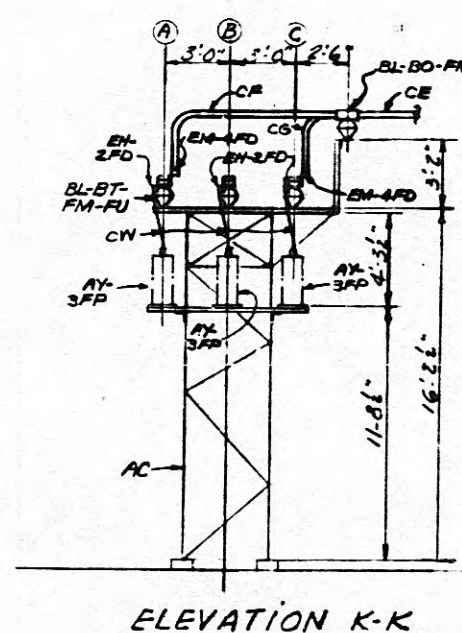
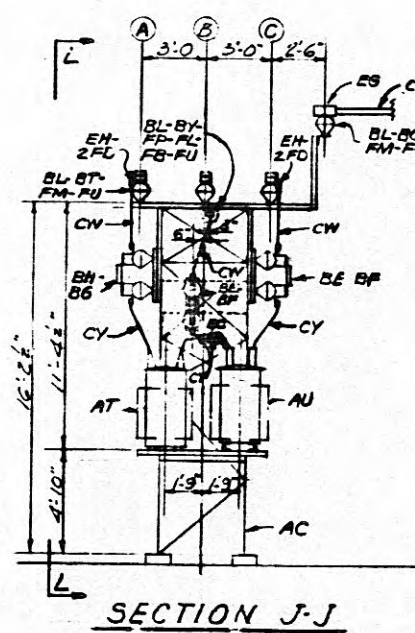
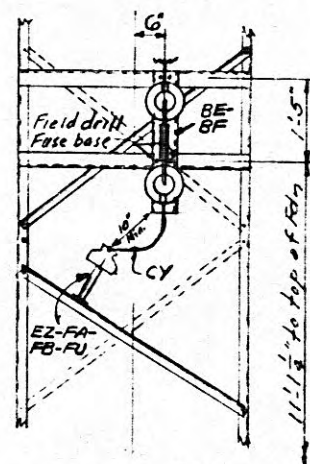
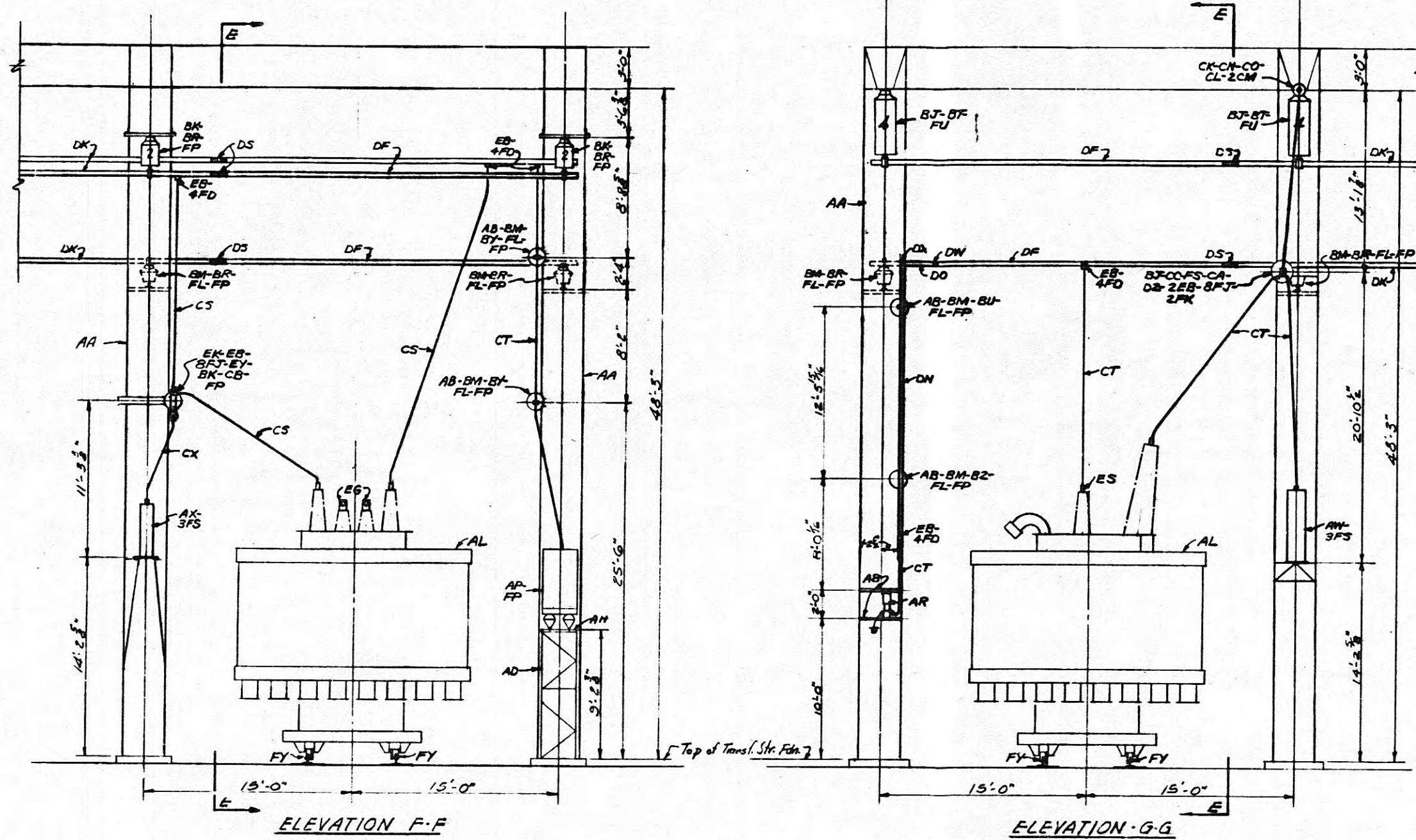
OPERATIONS
**HARRIMAN - PETROS
TRANSMISSION LINE
VICINITY MAP**

2-1866
J.D.B.
J.D.B.
EAT

LW-1654

MICROFILMED 2

81594-37



REFERENCE:
Bill of Material _____ BMC-46519

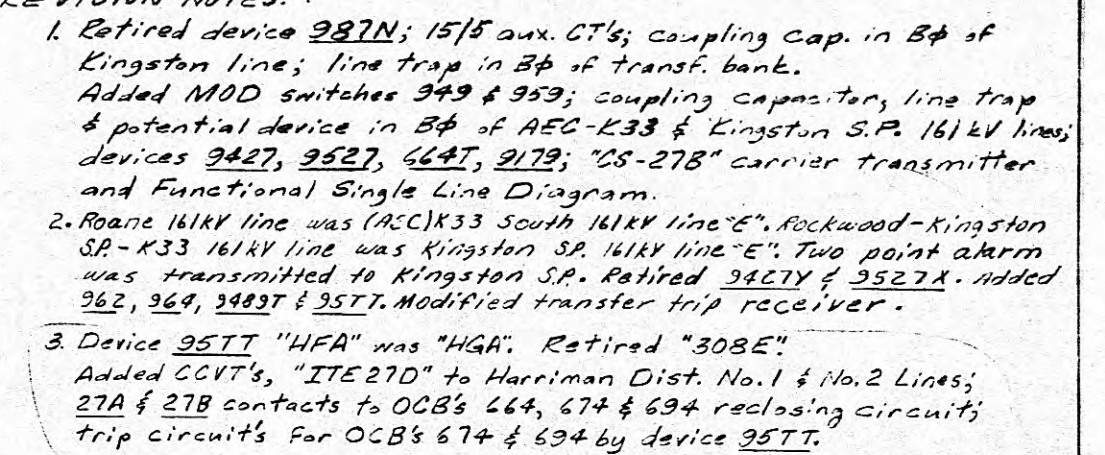
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1	7-19-66	W.O. 36861	W.O. 36861	W.O. 36861	W.O. 36861	W.O. 36861	W.O. 36861
2	7-19-66	W.O. 36861	W.O. 36861	W.O. 36861	W.O. 36861	W.O. 36861	W.O. 36861

TENNESSEE VALLEY AUTHORITY DIVISION OF POWER ENGINEERING AND CONSTRUCTION			
HARRIMAN, TENN. SUBSTATION-161KV.			
161-69-13 KV. POWER TRANSFORMER BANK			
PLAN AND SECTIONS			
DATE 7-19-66	SUBMITTED Calvin Stila	APPROVED [Signature]	SHEET 2 OF 2 SHEETS
SCALE 3/4"=1'-0"	ASSEMBLED A550B		LC-46518

MICROFILMED 2

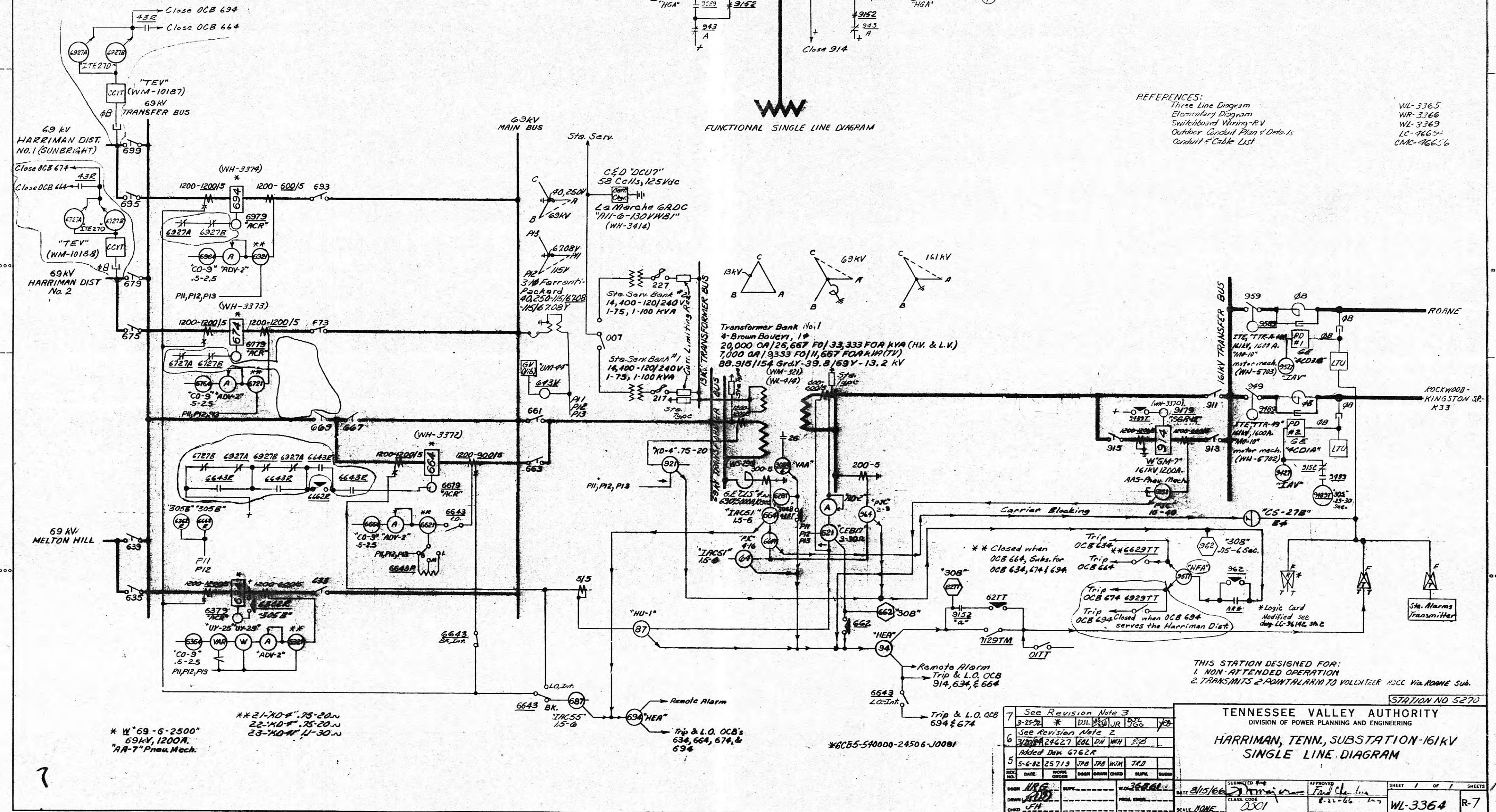
R-0

079986



REFERENCES:
Three Line Diagram
Elementary Diagram
Switchboard Wiring-RV
Outdoor Conduit Plan & Details
Conduit & Cable List

WL-3365
WR-3366
WL-3369
LC-46654
CMC-46656



THIS STATION DESIGNED FOR:
1. NON-ATTENDED OPERATION
2. TRANSMITS 2 POINT ALARM TO VOLUNTEER HQCC via ROANE Sub.

STATION NO 5270

TENNESSEE VALLEY AUTHORITY

HARRIMAN, TENN., SUBSTATION-161kV
SINGLE LINE DIAGRAM

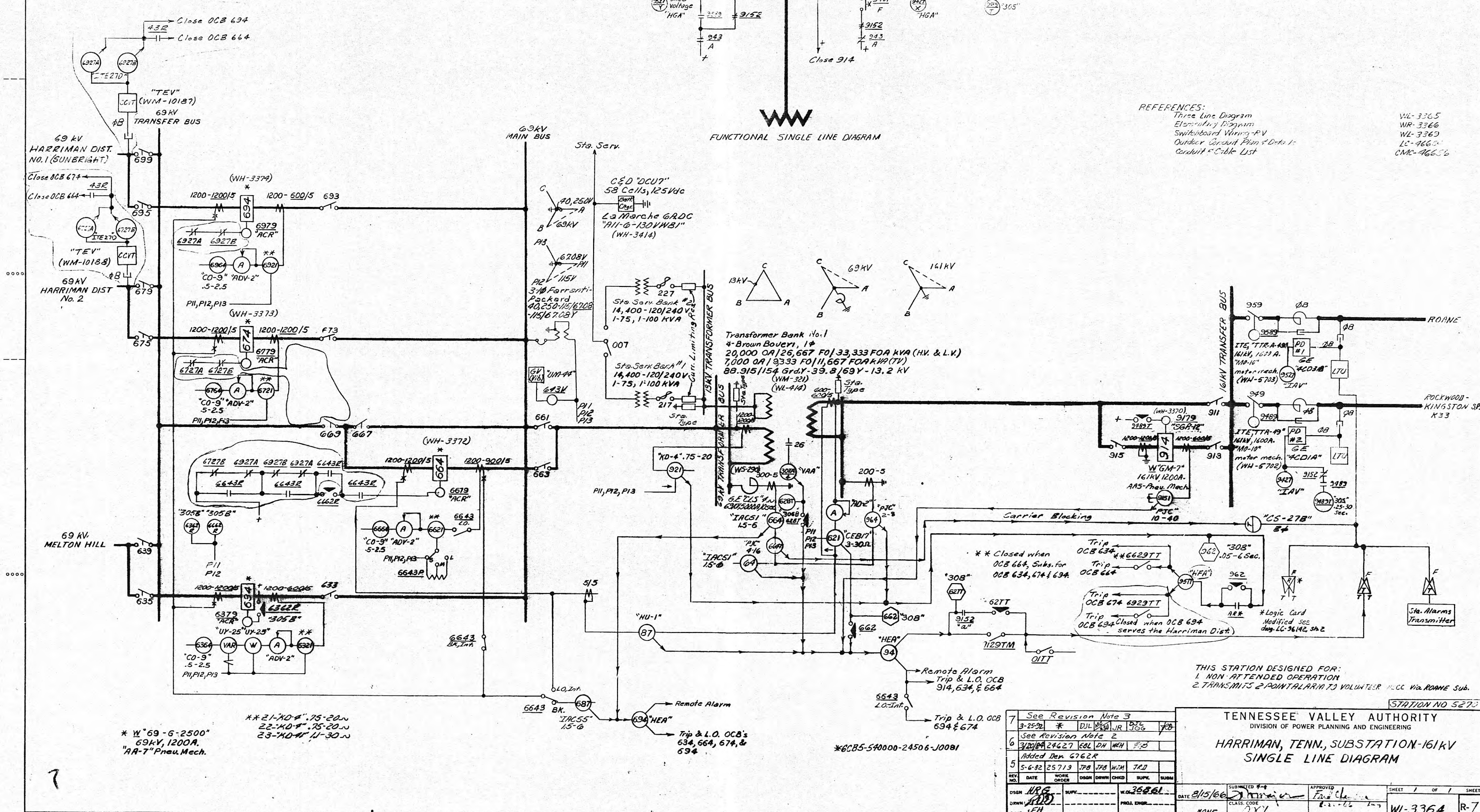
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	3-25-92	*	DJL	WGL	JR	BZ	JGG			
6	See Revision Note 2									
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	Added Date 6762R									
5	5-6-82 25719									
	TPB	TPB	WIM	JRD						
REV. NO.	DATE	WORK ORDER	DRGR	DRGR	CHRD	SUPL	SUPL			
DRGR	URG		SUPL			36661				
CHRD	WGL									
DRGR	JFH					PROG. ENR				

DATE <u>8/15/66</u>	SUBMITTED <u>7/4</u>	APPROVED <u>Fred Ch...</u>	SHEET <u>1</u> OF <u>1</u>	SHEETS
CLASS. CODE <u>2501</u>	8-26-66		WL-3364	R-7

MICROFILMED 6

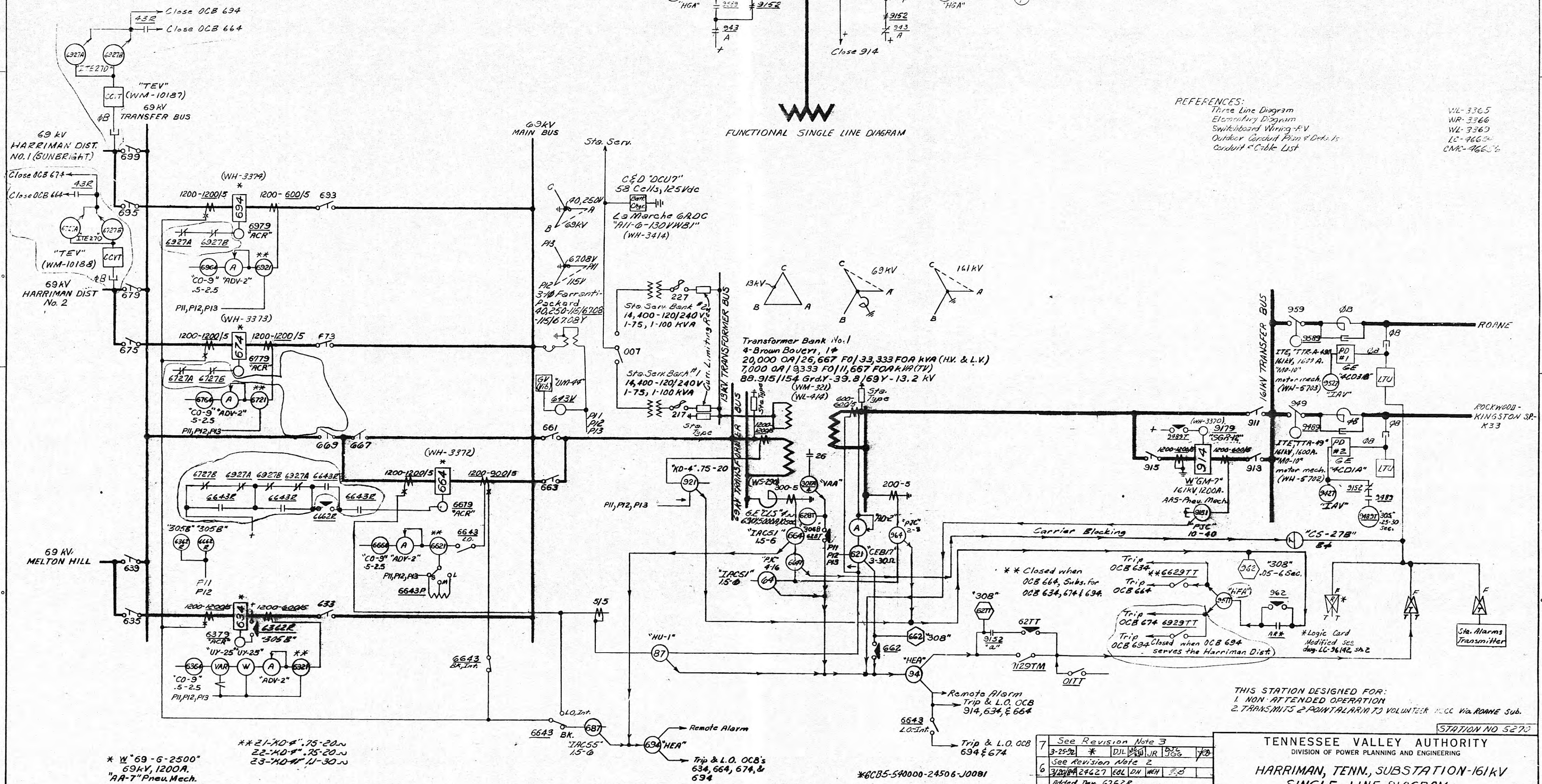
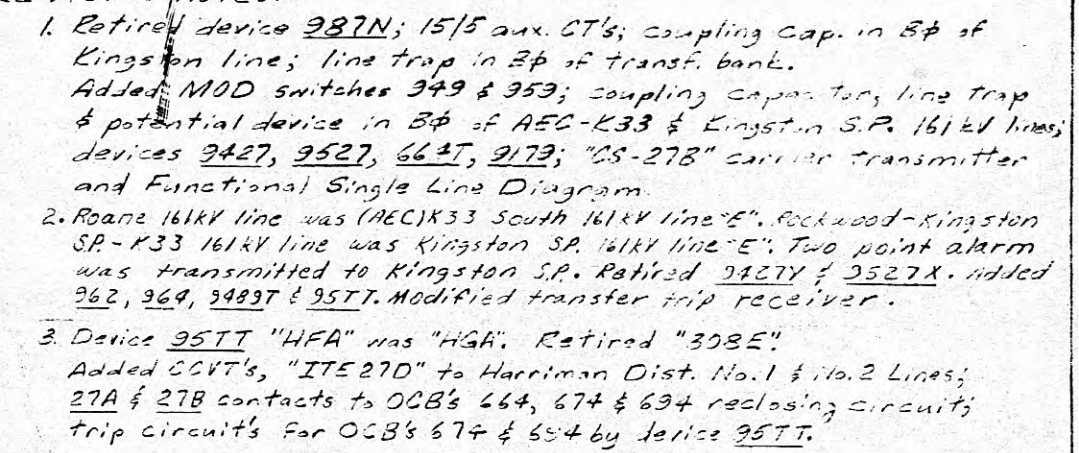
PHOTOGRAPHED
IN CHATTANOOGA

24X



7	See Revision Note 3							
	3-25-92	*	DIL	12	JCG	JCG	78	
6	See Revision Note 2							
	3/20/94	24627	COL	DN	WCH	38		
	Added Den 6762R							
5	5-6-92	25719	JPB	JPB	W/M	JRD		
REV NO.	DATE	WORK ORDER	DSGN	DRWN	CHGD	SUPL	SUBM	
DSGN	NRG		SUPLY		W.O. 35861			
DRWN	JRD							
CHGD	JH				PROJ. ENGR.			

TENNESSEE VALLEY AUTHORITY		STATION NO. 3215	
DIVISION OF POWER PLANNING AND ENGINEERING			
HARRIMAN, TENN., SUBSTATION-161KV			
SINGLE LINE DIAGRAM			
DATE 8/15/66	SUBMITTED BY [Signature]	APPROVED [Signature]	SHEET 1 OF 1 SHEETS
SCALE NONE	CLASS CODE 201	8-2-66	WL-3364 R-7



THIS STATION DESIGNED FOR:
1. NON-ATTENDED OPERATION
2. TRANSMITS 2 POINTALARM TO VOLUNTEER HCCC via ROANNE Sub.

STATION NO 5270

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PLANNING AND ENGINEERING
*HARRIMAN, TENN., SUBSTATION-161KV
SINGLE LINE DIAGRAM*

7	See Revision Note 3						
3-25-92	*	DJL	WGL	JR	BTC	JGG	*
6	See Revision Note 2						
3/20/94	24627	COL	DA	WEH	F.B.		
Added Den 6762R							
5	5-6-92	25719	TPB	TPB	WJM	TPJ	
REV. NO.	DATE	WORK ORDER	DSGN	DRWN	CHKD	SUPL.	SUPV.
DSGN	HRC		SUPV. _____			W.O. 36861	
DRWN	JH		PROJ. ENGR. _____				

DATE <u>8/15/66</u>	SUBMITTED <u>9/4</u>	APPROVED <u>Fac. Ch. L.</u>	SHEET <u>1</u> OF <u>1</u> SHEETS
SCALE <u>NONE</u>	CLASS. CODE <u>2001</u>	<u>8-2-66</u>	<u>WL-3364</u> <u>R-7</u>