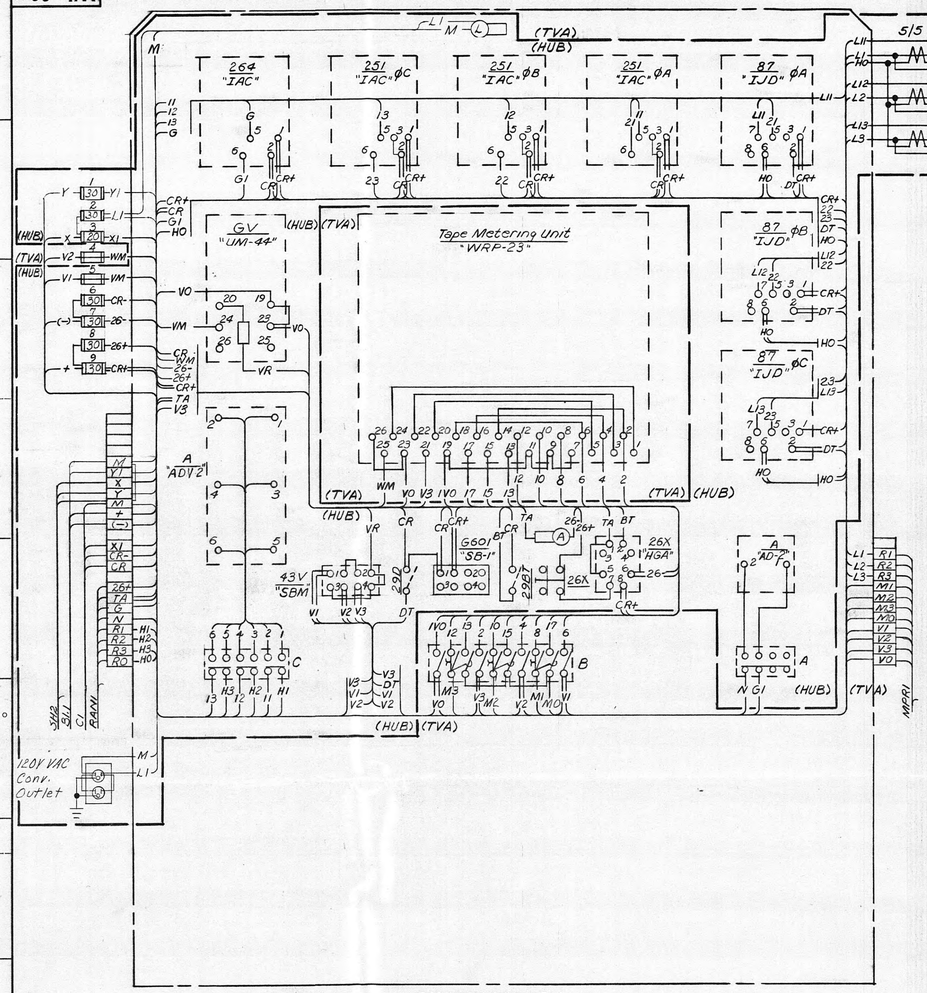
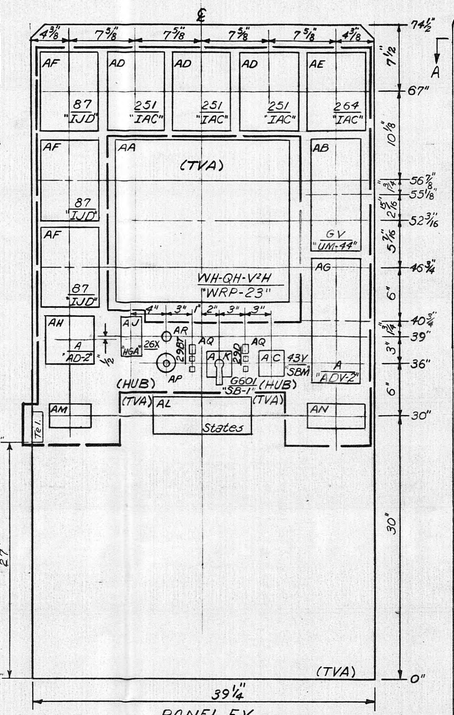
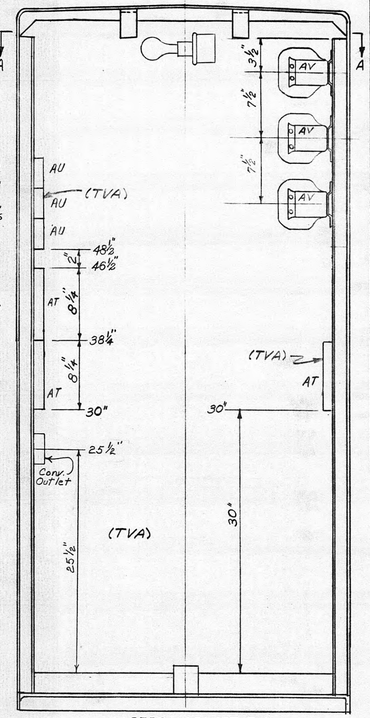
WL-6940



PANEL WIRING - RV



PANEL, F.V.
Scale 1½"=1'-0"

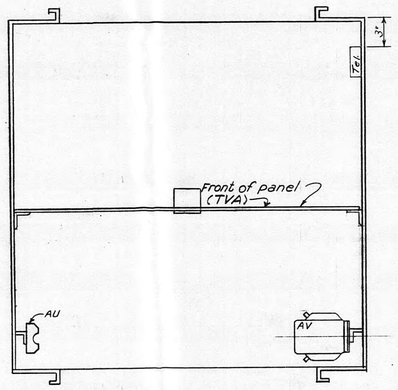


METER CABINET-RV
Scale: 1½"=1'-0"

REQ'N	MK	REO'D		DESCRIPTION
PSO	AA	1		Tape Metering Unit, W for WH-QH-V²H metering, 3 ϕ, 4 wire, 120 Vac, 2.5 amp, complete with 4 channel 15 min. tape recorder dwg. 8B2924 (outline), 264C550 (conn.) "WRP-23"
PSO	AB		1	Voltmeter, graphic W, "UM-44" 0-150 V scale with 120 Vac, 60 Hz synchronous motor chart drive, 3/4" per hr, S=1957107
PSO	AC		1	Voltmeter switch, GE, "SBM" "OFF-1-2-3," 3 ϕ, 4 wire, phase to neutral, Cat. No. "SBM10AG622"
PSO	AD		3	Relay, overcurrent, GE, "12IAC51B1A" single ϕ 4-16 amp, 10-40 amp. inst.
PSO	AE		1	Relay, overcurrent ground, GE "12IAC51A2A" 1.5-6.0 amp.
PSO	AF		3	Relay, transformer differential relay GE "21JD53C14A" single ϕ, 60 Hz., 1.25 amp. min. pick-up, 50%, 2-CC contacts & 0.2-2.0 amp. target.
PSO	AG		1	Ampere demand meter, 3 single phase elements with 3/6 amp dual range coils & instantaneous attachments, Sangamo "ADV-2"
PSO	AH		1	Ampere demand meter, 1 element, Sangamo, 3/6 amp coils, "AD-2"
PSO	AJ		1	Relay aux. 48 V d.c., DPDT, GE "12HGA11A54"
PSO	AK		1	Transfer sw., GE, "TRIP, NORMAL," 4 contacts, pistol grip handle "16SBIBB218"
PSO	AL	1		Test block, States, "SJK," 10 pole with glass cover, Cat. 70K10-E
PSO	AM		1	Test block, GE "PK-2" 4 pole
PSO	AN		1	Test block, GE "PK-2" 6 pole
PSO	AP		1	Push button sw, 2 NC contacts, spring return to closed pos., H&H cat. #1607
PSO	AQ		2	Switch, knife, SPST 30A
PSO	AR		1	Indicating lamp, GE "ET-5," 48 V dc amber colorcap, cat. 6105700G2
PSO	AS		6	Cartridge fuse, 30 amp, 250 V, one time.
PSO	AT	1	2	Terminal block, 12 pole with marking strip
PSO	AU	1	2	Fuse base 3 pole, 30 amp, 250 V
PSO	AV		3	Transf. aux. current, 5/5 amp ratio single ϕ, 60 Hz, Assoc. Engr. Co A.C.T.
PSO	AW		1	Cartridge fuse 20 amp, 250 V one time
PSO	AX	1	1	Brass rod 9/16 dia., 2" long

(TVA) (HUB)

REVISION NOTES:
1. Lease-purchase to Harriman U.B. except 1-AA, 1-AL, 1-AT, 1-AU, panel on which they are located, brass rod no. 4, and cable MPR1. Reconnected V²H meter to V3 potential.



SECTION A-A
Scale: 1½"=1'-0"

REFERENCES:

Single Line Diagram	LC-11550
Three Line Diagram	LC-28710
Elementary Diagram	WL-6939
Outdoor Conduit Plan & Detail	LC-19531
Conduit & Cable List	CMC-8655

REV. NO.	DATE	WORK ORDER	DSGN	DRWN	CHKD	SUPV.	SUBM.	MF
3	2/10/84	Lease-Purchase. See Revision Note 1. A7830.0	DOA	DOA	EFH	T		
2	11-6-74	Fld Chg - Completion of W.O. 35982	RJS	RJS	JHT			
1	7/25/74	Drawing & all equipment new 35982	JR	JR	SS	SS		

Original Issue

Supersedes LC-28712, LC-28713, BMC-28714

DSGN. JR SUPV. SS W. O. 35982
DRWN. JR PROJ. ENGR.
CHKD. SS

TENNESSEE VALLEY AUTHORITY
DIVISION OF TRANSMISSION PLANNING AND ENGINEERING

HARRIMAN, TENN. DIST. SUBSTATION-69 kV
13 kV RELAY & METER CABINET
PANEL WIRING, F.V., R.V. & BILL OF MATERIAL

DATE | SUBMITTED Denny L. Hunter | APPROVED | SHEET 1 OF 1 SHEETS
SCALE Noted | CLASS. CODE 0007D | WL-6940 | R-3

Kn€ 17 2163 10-73 2884+

MICROFILMED 2