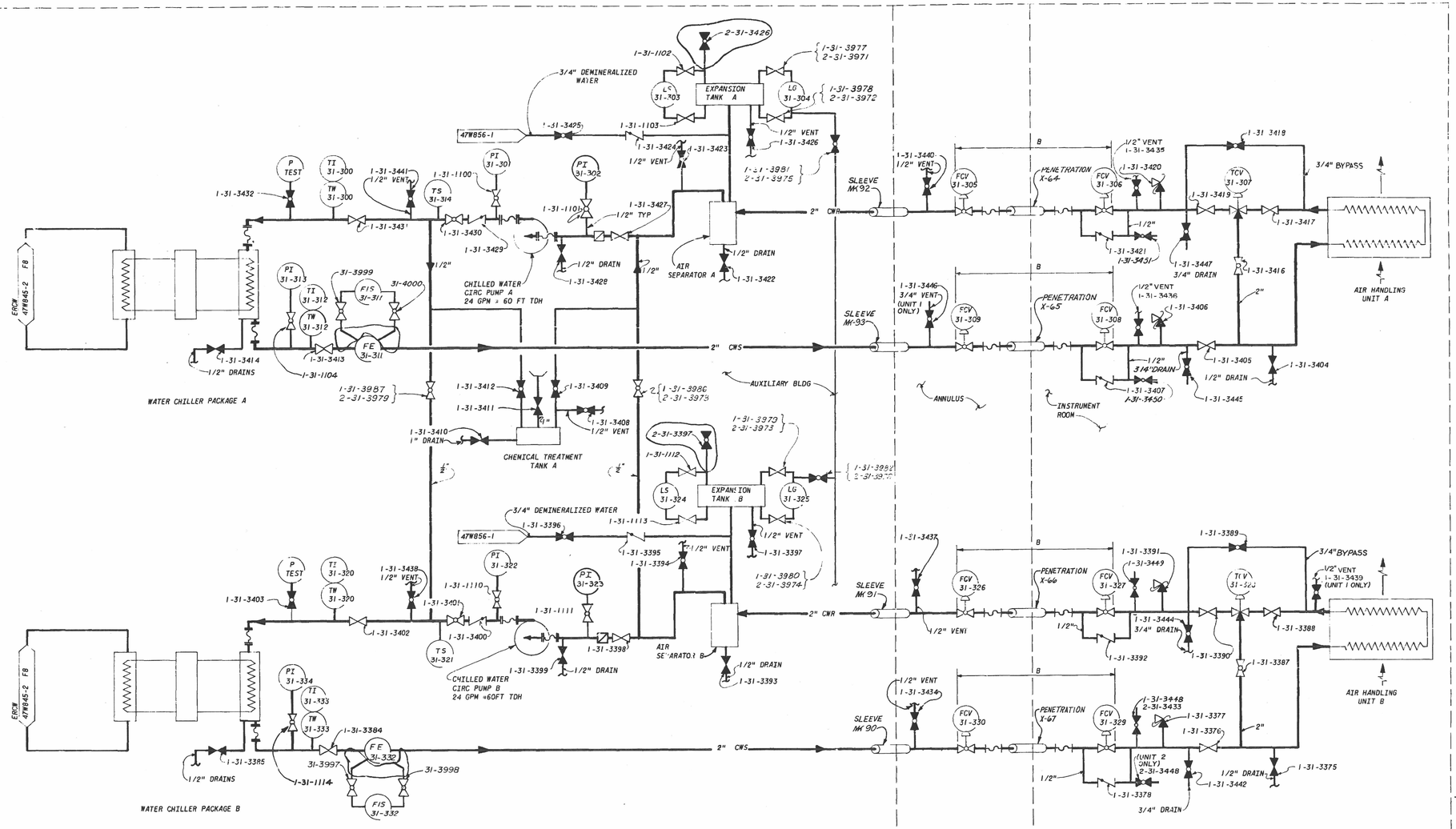
85 | M | 47W865-5

17842 R/O



NOTES:

1. SYSTEM IDENTIFICATION NUMBER 31.
2. FOR IDENTIFICATION OF SYMBOLS:
   30B617 MECH INSTRUMENTATION SYMBOLS
   30B617 MECH FLOW & CONTROL DIAGRAM
3. FOR INSTRUMENT TABULATION SEE 47B601-31.
4. FOR VALVE MARKER TAG TABULATION SEE MVWSR RPT 009 & 010.
5. NUMBERS SHOWN THUS (LS 31-300) ARE PREFIXED BY 1 IN UNIT 1 AND 2 IN UNIT 2.
6. NUMBERS SHOWN THUS 1-31-694 ARE VALVE MARKER TAG NUMBERS FOR UNIT 1. UNIT 2 NUMBERS ARE PREFIXED BY 2.
8. PIPING DESIGN PRESSURE AND TEMPERATURE ARE 65 PSIG AND 110°F. HYDROSTATICALLY TEST SYSTEM AT 1.5 x 65 PSIG.
9. LEAKAGE TEST TESTING SHALL BE IN ACCORDANCE WITH [illegible] AS DEFINED BY AUTHORIZED NUCLEAR INSPECTOR OR ENGINEERING.
10. ALL CHILLED WATER PIPING ON THIS DRAWING IS CLASS M SEISMIC CATEGORY I(L) EXCEPT WHERE MARKED AS TVA CLASS B(SEISMIC-CATEGORY I) PER WATTS BAR DESIGN CRITERIA WB-DC-40-36-1
11. THE FLOW RATE SHOWN ON THIS FLOW DIAGRAM IS THE MINIMUM ALLOWABLE. FLOW RATES MAY BE A MAXIMUM OF 10% ABOVE THE DESIGN FLOW RATE.
12. FOR QA VALVE MARKER TABULATION SEE 47B920-31X1 THRU 47B920-31X4.

REFERENCE DRAWINGS:

47B601-31 SERIES
47W866-1
47W915 SERIES
47W920 SERIES
47W845-2, -3, AND -4
47B920-31X1 THRU-31X4

REACTOR BUILDING INST RM
AIR-CONDITIONING C.W. PIPING SYSTEMS

REV	ECN/FCR	DATE	DRWN	DSGN	CHKD	RVWD	APPD	ISSD
11	4073	3-21-84	JCW	JCW	KTM	DTS	BKS	BK
	DELETED VALVES PER EDC 492							
10	3570, S1	9-3-83	JCW	BKS	KTM	DTS	BKS	BK
	REV PER FCR FS 1718 REV. PER ECN 3570							
9	3783	5-12-83	KFT	WFT	TFH	DTS	BKS	BK
	REVISED PER FCR AA-7184 FOR ECN 3783							
8	3648	7-18-83	JCW	JCW	KTM	DTS	BKS	BK
	REV PER RCR'S M-7020 & M-7088							
7	S1	1-8-82	JCW	JCW	KTM	DTS	BKS	BK
	ADDED VALVES PER FCR M-9836 & M-6901							
6	NOTE	11-13-81	JCW	JCW	KTM	DTS	BKS	BK
	ADDED NOTE 11 PER ECN							
5	2843, S1	1-22-81	RCH	RCH	KTM	DTS	BKS	BK
	DELETED NOTE NO.7 & ADDED NOTE NO.10 PER ECN, ALL ROOT VALVES CIRCLED ARE TO BE CHANGED FROM NORMALLY CLOSED, TO NORMALLY OPEN, PER FCR-1-585							
4	"A" 6693	11-13-80	BKS	JCW	WLH	BMY	RCH	DCH
	REV PER FCR M-40159 & ADDED QA STATUS PER "EICP A CHG CONT"							
3	"A"	11-2-80	JCW	BKS	WLH	DTS	BKS	DCH
	"EXCEPTION A CHANGE CONTROL PER FCR M-11249							
2	A	4-25-80	WLH	WLH	DTS	KTM	BKS	DCH
	EXCEPTION A CHANGE CONTROL PER ECN 1-2231							
1	ORIGINAL ISSUE	12-28-79	WLH	WLH	DTS	KTM	BKS	DCH

REV NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	SUBM	RECD	APPR
0	1-2231	12-28-79	B.C., T.E., J.C. WOLFENBARGER	R.E. RUSKEY	G.T. SOMOS	J.L. BECKWORTH	T.F. [illegible]				

INSP _____
ENGINEER E. Glenn Campbell

POWERHOUSE
UNITS 1 & 2

FLOW DIAGRAM
AIR CONDITIONING
CHILLED WATER

D-30X

WATTS BAR NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED	RECOMMENDED	APPROVED
E. Glenn Campbell	[illegible]	K.M. Pierce

KNOXVILLE 7-18-75 | 85 M 47W865-5 R14

RECORD DRAWING AS CONSTRUCTED

INSPECTED AND APPROVED FOR ISSUE

THIS DRAWING IS UNDER FUNCTIONAL CONFIGURATION CONTROL

PRINTS REQ'D-R
BR or PROJ

DWG SIZE	F	H
ME		
EK		
CE		
AD		
CO		
ED		
MD		
BF		
SW		
BL		
PA		