1-47W859-3 | M | 85

NOTES:
1. 1 2 & 1 2 DENOTE UNIT 1 & UNIT 2 INTERFACE POINTS. THE STRUCTURAL BOUNDARY FOR CATEGORY 1 PIPING IS THE FIRST ANCHORED EQUIPMENT OR PIPE ANCHOR ON THE UNIT 2 SIDE OF THE INTERFACE POINT. BECAUSE OF TCES, SOME INTERFACE POINTS WILL HAVE MORE THAN ONE STRUCTURAL TERMINATION. FOR U1/U2 ISOLATION, THE FLOOR PENETRATION MK#1442 BEYOND ISOLATION VALVE 2-ISV-70-773 WILL BE USED. THERE ARE ADEQUATE SUPPORTS (IN THE GLOBAL DIRECTIONS) TO ISOLATE UNIT 2 PIPING; STRUCTURALLY, TO MAINTAIN THE ISOLATION VALVE PRESSURE BOUNDARY INTEGRITY DURING THE COURSE OF U1 OPERATION. (REFERENCE CALCULATION 70046).
2. 1 2 AND 1 2 DENOTE SAFETY RELATED AND NON-SAFETY RELATED UNIT 1/2 INTERFACE POINTS. SAFETY RELATED INTERFACE POINTS WILL BE LOCKED CLOSED, OR CLOSED WITH THE METHOD OF ACTUATION REMOVED OR DISABLED. NON-SAFETY INTERFACE POINTS WILL LOCKED CLOSED OR CLOSED WITH HANDWHEELS REMOVED. VALVES 2-ISV-70-637 AND 2-ISV-70-661 HAVE BEEN SEALED WITH A FULL FACE GASKET AND SILICONE CASTING WHICH MUST BE REMOVED PRIOR TO UNIT 2 OPERATION. THESE VALVES ARE TO BE CLOSED WITH THE HANDWHEELS REMOVED.
3. ABSCE DENOTES ITEM AND ASSOCIATED COMPONENTS ARE REQUIRED TO REMAIN IN DESIGN CONFIGURATION AS SHOWN TO PROTECT THE ABSCE PRESSURE BOUNDARY. ALL REQUIRED COMPONENTS, INCLUDING SUPPORTS REQUIRED FOR SEISMIC QUALIFICATION, ARE LABELED IN THE FIELD. ABSCE PRESSURE BOUNDARY CONFIGURATIONS MAY INCLUDE COMPONENTS ON THE ANNULUS AND AUXILIARY BUILDING SIDE OF THE SHIELD WALL. THE SUPPORTS REQUIRED TO MAINTAIN ABSCE BOUNDARY SEISMIC QUALIFICATION ARE IDENTIFIED ON DCAs 52283-332, -333, -334, -335, -336 & -337.
4. VALVE FAILED CLOSED; AIR SUPPLY ISOLATED TO PREVENT OPERATION. VALVE TO REMAIN IN CLOSED POSITION FOR ABSCE BOUNDARY RETENTION.
5. STRONGBACK INSTALLED ON 2-FCV-070-90 IN LIEU OF MISSING VALVE BONNET FOR ABSCE PRESSURE BOUNDARY RETENTION.

THIS CONFIGURATION CONTROL DRAWING SUPERSEDES UNIT 1 AS-CONSTRUCTED DRAWING 47W859-3 REVISION 5.

18	52283	GJB	JEW	JKA	3-10-09
REVISED PER DCA 52283-36-2.					
REV	CHANGE REF	PREPARER	CHECKER	APPROVED	DATE

SCALE: NTS — EXCEPT AS NOTED

PROJECT FACILITY
POWERHOUSE
AUXILIARY & REACTOR BUILDING UNIT 2

TITLE
MECHANICAL FLOW DIAGRAM COMPONENT COOLING SYSTEM

1	WATTS BAR NUCLEAR PLANT TENNESSEE VALLEY AUTHORITY	Q

DESIGN		INITIAL ISSUE	ENGINEERING APPROVAL
DRAFTER J.A. WINTER	CHECKER C.E. THOMPSON	RO ISSUE PER WBEP 5.17 & RIMS B26 '90 0105 375	1 S.M. ERANKI
DESIGNER M.L. CHAPMAN	REVIEWER J.F. LUND		2 S.M. ERANKI
			3 R.R. HOESLY/FAK

DATE 1-24-90 | 85 | M | 1-47W859-3 | R18

ISSUED BY: P.R. MAUDAVA

PRINTS REQ'D R ____

PRINT SIZE F — BR OR PROJ | AB CE EE ME NE FE HE SE TE BL BF WB SQ

PRINT SIZE H — BR OR PROJ | AB CE EE ME NE FE HE SE TE BL BF WB SQ

FSAR FIG 9.2-17

COMPANION SHEETS 1-47W859-1, 2 & 4

CAD MAINTAINED DRAWING

CONFIGURATION CONTROL DRAWING