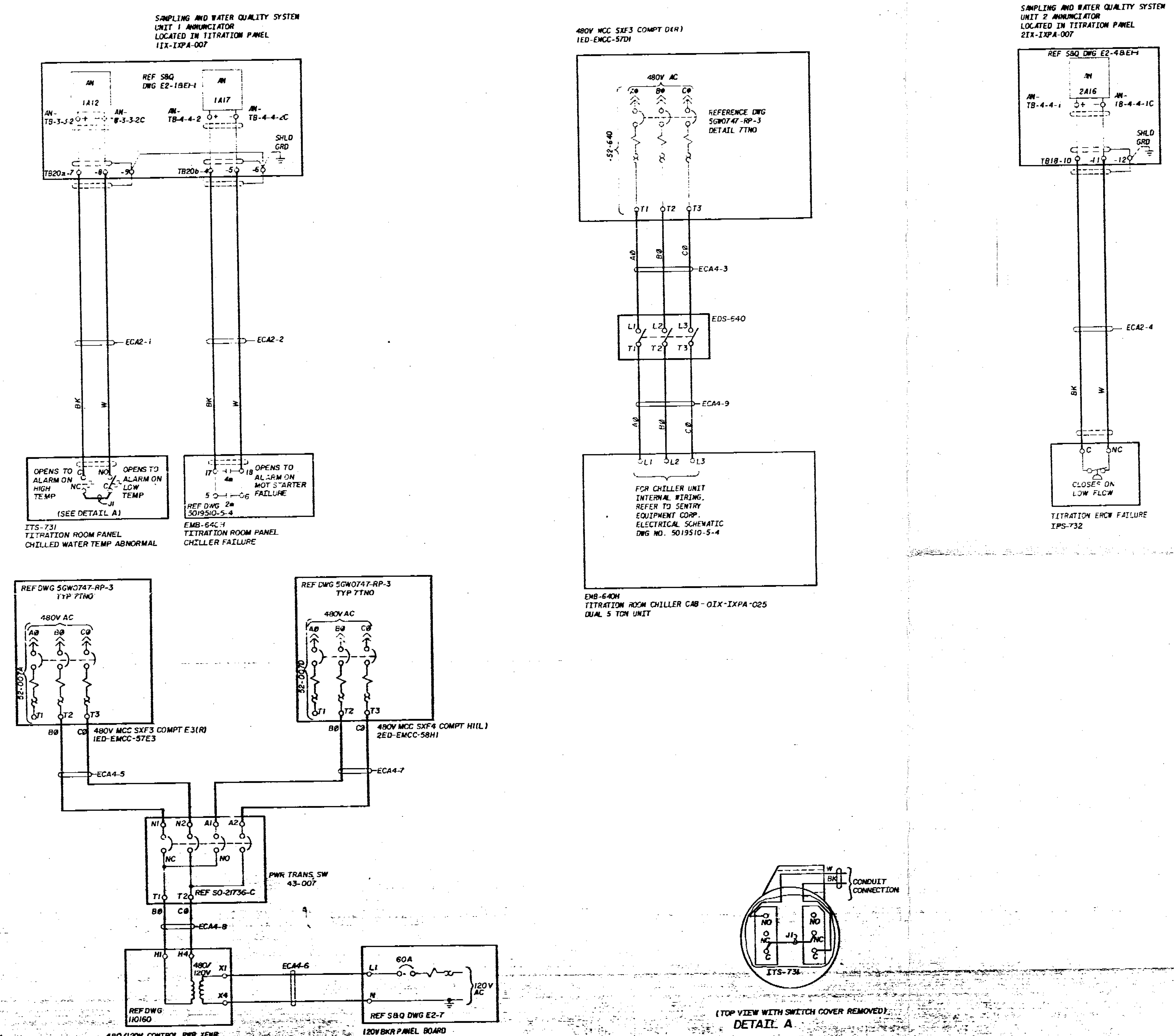

GENERAL NOTES:

1. THE SYSTEM SCHEMATIC REFLECTS TVA INTERFACES WITH THE COMMON EQUIPMENT SUPPLIED BY THE S&Q CORPORATION FOR SAMPLING & WATER QUALITY. FOR CIRCUIT OPERATION VENDOR DRAWINGS MUST BE USED.
2. ALL UNID DESIGNATIONS ARE PREFIXED BY OYQ UNLESS OTHERWISE SHOWN.
3. PORTIONS OF THE SCHEMATIC ARE SHOWN OUT-OF-FUNCTION. THESE OUT-OF-FUNCTION PORTIONS ARE SHOWN FOR INFORMATION, WITH REFERENCES PROVIDED TO THE DOCUMENT WHICH CONTROLS THE EQUIPMENT.
4. ALL ELECTRICAL EQUIPMENT IS SHOWN IN ITS DE-ENERGIZED STATE

REFERENCE DRAWINGS:

SAMPLE AND WATER QUALITY DESIGN CRITERIA ---------- N4-YQ-0740
480V MOTOR CONTROL CENTER COMPARTMENT TYPICALS ---------- 5GW0747-RP
WIRING DIAGRAM LOCAL INSTRUMENTATION PANEL ---------- 5AB1677-JL

S&Q CORP
WATER QUALITY SAMPLING, ANALYSIS, INSTRUMENTATION AND CONTROL SYSTEMS TVA CONTRACT 77K3-87395

TITRATION PANELS UNITS 1 & 2 POWER AND LIGHTING - - - - - E2-7
UNIT 1 TITRATION PNL CONTROL WIRING DIAGRAM - - - - - S&Q E2-1 THRU 3
UNIT 2 TITRATION PNL CONTROL WIRING DIAGRAM - - - - - S&Q E2-4 THRU 6
TITRATION ROOM WATER CHILLER - - - - - SENTRY 5019510-5-4
TITRATION & HOT SAMPLE ANNUNCIATION - - - - - S&Q E1-1

MATRA ELECTRIC INC TVA CONTRACT 77K6-820258
LIGHTING TRANSFORMERS - - - - - MATRA 110160

B-K ELECTRIC PROD DIV TVA CONTRACT 77K5-820964
TRANSFER SW CKT BKR ASSEMBLY - - - - - SO-21736-C

SYMBOLS:

AN XAXX	S&Q CORP SAMPLING UNIT ANNUNCIATOR

PRC APERTURE CARD

Docket # 50-438
Control # 8304050536
Date 3-25-83 of Document
REGULATORY DOCKET FILE

REV NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	SUBM	RECM	APPD
2	SI	11-17-80									
CHANGED DETAIL A AND DELETED EL & COL											
1	SI	3-8-79									
ADDED TERMINATIONS AND MINOR CHANGES PER SI.											

SCALE EXCEPT AS NOTED

GENERAL
UNITS 1&2

SYSTEM SCHEMATIC
SAMPLING AND WATER QUAL SYS

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

SUBMITTED | RECOMMENDED | APPROVED

INSPECTED AND APPROVED FOR ISSUE

KNOXVILLE 9-9-77 88 E 5GW0740-YQ-01 R2

RECORD DRAWING AS CONSTRUCTED