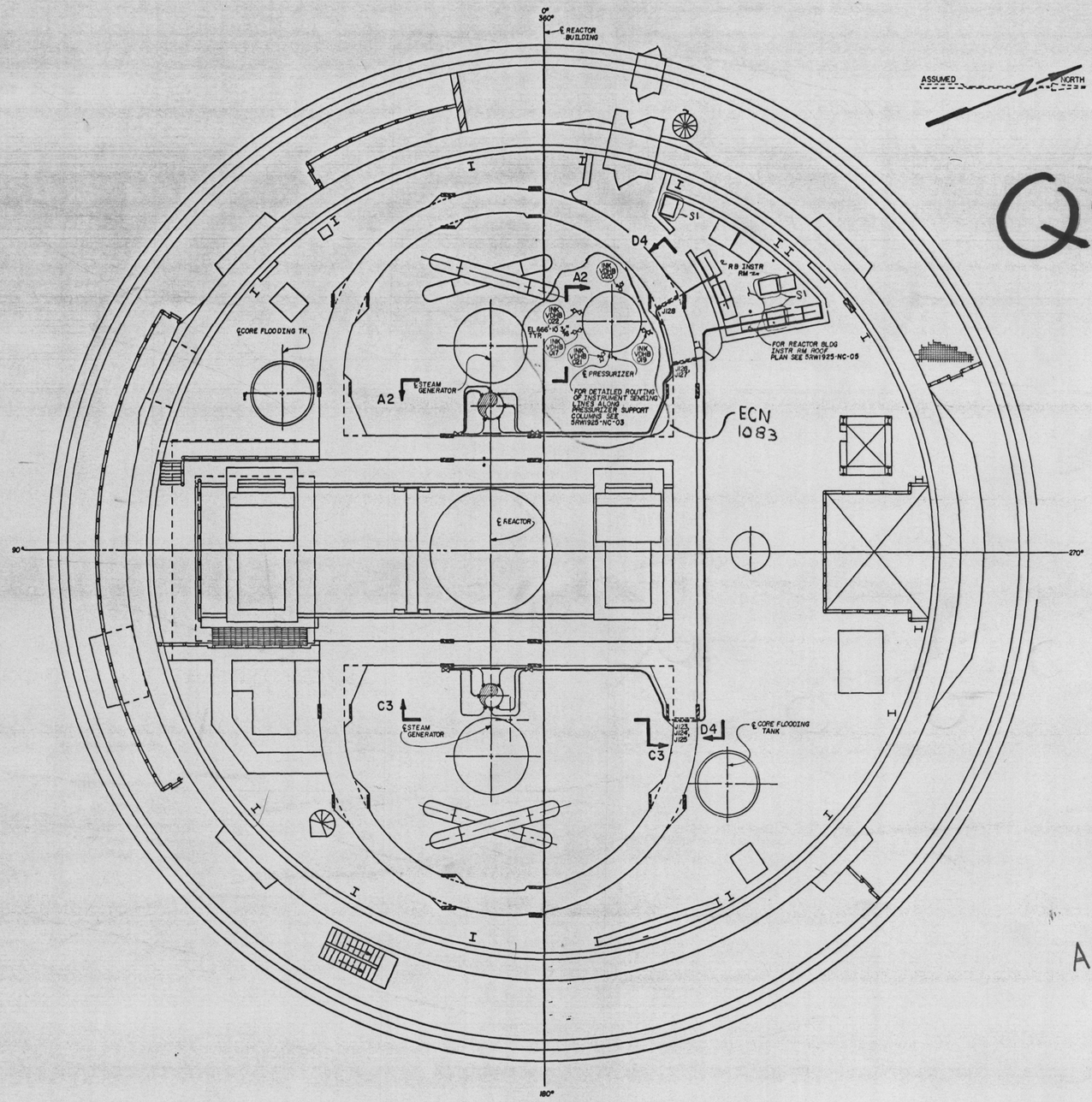

PLAN EL 670.0

NOTES:

1. FOR MOUNTING FLOOR AND WALL PANELS, SEE DETAILS ON DRAWING 5GW0912-ID-SERIES.
2. 5GB0925-ID-SERIES DRAWINGS SHALL DICTATE THE SUPPORT METHOD & ALLOWANCE FOR LINEAR MOTION OF INSTRUMENTATION & CONTROL LINES WHILE IN SERVICE.
3. INSTALLER TO REMOVE ALL BURRS & PIPING COMPOUND, ALL AIR LINES SHALL BE BLOWN DOWN WITH CLEAN, DRY, OIL-FREE AIR BEFORE FINAL CONNECTION IS MADE TO INSTRUMENTS, DEMINERALIZED WATER OR CLEAN, DRY, OIL-FREE AIR SHALL BE USED TO BLOW DOWN ALL OTHER SENSING LINES.
4. MINIMUM DESIRED SLOPE FOR LEVEL & FLOW SENSING LINES IS 1" IN 12'. ABSOLUTE MINIMUM ALLOWABLE SLOPE IS 1/8" IN 2'. FIELD TO INSTALL HIGH-POINT VENTS ⟶ OR LOW POINT DRAINS PER DWG 5AW0911-ID-21 WHERE SLOPE CANNOT BE MAINTAINED. HIGH-POINT VENTS IN THE FOLLOWING SYSTEMS SHALL BE ROUTED TO THE TRITIATED DRAIN SYSTEM FOR FLUID OR GAS DISPOSAL: NC, ND, NL, NS & WL. CLOSED DRAINS ARE PREFERRED, CODE CLASS-B31.1.
5. LOCAL PANEL COMPONENTS IDENTIFIED BY LPR ARE FOR INSTALLATION & MAINTENANCE PURPOSE ONLY & ARE NOT PART OF THE UNID SYSTEM. COMPONENTS MAY BE IDENTIFIED BY LOOP NUMBERS ONLY, E.G. 001A, 001B, ETC.
6. INSTALLER SHALL USE EMBOSSING PRESS & 1/2" WIDE STAINLESS STEEL TAPE FOR STAMPING IDENTIFICATION TAGS USED ON TUBING LINES, EACH LINE SHALL BE TAGGED AT EACH END & AT POINTS AS MAY BE NECESSARY FOR IDENTIFICATION. TAGS SHALL ALSO BE USED TO IDENTIFY INSTRUMENTS & SENSING ELEMENTS NOT OTHERWISE IDENTIFIED.
7. [III-3-S1] THIS SYMBOL INDICATES INSTRUMENT LINE CODE CLASSIFICATION.
8. CODE CLASSIFICATION WILL BE MAINTAINED FROM THE SOURCE ROOT VALVE THROUGH THE FIRST INSTRUMENT ISOLATION VALVE (NORMALLY LOCATED ON THE LOCAL PANEL) UNLESS OTHERWISE NOTED.
9. INSTRUMENT LINES, AIR SUPPLY LINES OR AIR SIGNAL LINES DESIGNATED WITH CLASSIFICATION III-1-S (ASME CLASS 1), III-2-S (ASME CLASS 2), OR III-3-S (CLASS 3) SHALL BE SEISMIC & SHALL BE IN ACCORDANCE WITH ASME SECTION III, SUBSECTION NF WITH QUALITY CONTROL PER REGULATORY GUIDE 1.26 QUALITY GROUPS A, B & C RESPECTIVELY (SEE 5GB0925-ID-SERIES). INSTRUMENT LINES, AIR SUPPLY LINES OR AIR SIGNAL DESIGNATED B31.1S (ANSI B31.1) SHALL BE SEISMIC, & INSTALLED IN ACCORDANCE WITH ANSI B31.1 AND THE 5GB0925-ID-SERIES DRAWINGS. FIELD WELDS & INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH TVA GENERAL CONSTRUCTION SPECIFICATION G-29M.
10. TORQUE INSTRUMENT ISOLATION VALVE MOUNTING NUT TO 5-8 FT LB.
11. SOURCE LINE ROUTING BY FIELD SHALL BE PER TVA GENERAL CONSTRUCTION SPECIFICATION G-60. IF ANY CONFLICTS EXIST BETWEEN THE 5RW__925-__-SERIES & G-60, THE 925-SERIES SHALL BE THE CONTROLLING DOCUMENT.

NOTES CONTINUED ON 5RW1925-NC-02.

REFERENCE DRAWINGS:

1RN0430-X2-SERIES	STRUCTURAL STEEL, RCS SYS SUPPORTS
1RW0402-X2-SERIES	CONTAINMENT LINER STRUCTURAL STEEL
1RW0406-X2-SERIES	CONTAINMENT LINER INSERT & SUPPORT SCH
1RW0407-X2-SERIES	PRIMARY CONTAINMENT PENETRATIONS SCH
3BW0417-NC-SERIES	REACTOR COOLANT PIPING
3BW0422-NK-SERIES	MECH REACTOR COOLANT & MISCL PIPING
3BW0526-00-SERIES	RB FLOOR & MISSLE SHIELD SLEEVES
3BW0617-NC-SERIES	REACTOR COOLANT DESIGN CRITERIA
3BW0622-NK-SERIES	REACTOR COOLANT DESIGN CRITERIA
3RW0463-00-SERIES	MECH DRAINS AND EMBEDDED PIPING
4RW0504-X2-SERIES	RB MISCL STEEL
4RW0516-X2-SERIES	EXTERIOR MISCL STEEL-SHIELD WALL
4RW0518-X2-SERIES	MISCL STEEL-SHIELD WALL-EMBEDDED PARTS
5GM0900-ID-SERIES	I&C BILLS OF MATERIAL
5GB0925-ID-SERIES	I&C HANGER ASSY
5RW0915-ID-SERIES	I&C LOCAL PANELS
5AW0911-ID-21	I&C LOCAL PANELS, TYPICAL DETAILS AND INSTALLATION

Q480.58

Docket # 50-438/439
Control # 8301060310
Date 12/23/82 of Document
REGULATORY DOCKET FILE

8301060318

PRC APERTURE CARD

REV NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	SUBM	RECM	APPD				
1	S1, 1083	2-16-82	JS	JD	DKN	RJB	RGB	✓	RGB	JW	DHB	MTL	BWL	N/A	N/A

ADDED LOCAL PANELS 1IX-1LPR-010, -030 & -031.
ADDITION OF REVISED PRESSURIZER NOZZLE ARRANGEMENT.

DSGN J. A. Jones
DRWN J. D. Dwyer
CHKD Carson L. Snyder
SUPV E. C. Bennett Jr.
INSP
ENGINEER Charles R. Dunlap

SCALE: 1/8"=1'-0" EXCEPT AS NOTED

REACTOR BUILDING
UNIT 1

INSTRUMENTS & CONTROLS
LCL PNLS 1IX-1LPR-001-D THRU -004-E, -006-B, -007, -010, -023-D THRU -028-B, -030 & -031
INSTALLATION EL 670.0

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED	RECOMMENDED	APPROVED
C. R. Dunlap	A. L. Sponger	R. M. Gosser

KNOXVILLE 10-10-80 88 E 5RW1925-NC-01 R1

RECORD DRAWING AS CONSTRUCTED

FURTHER REVIEW
CEB R. C. Bennett
EEB N/A
MEB N/A
NEB Doug F. Dilworth Jr.
INSPECTED AND APPROVED FOR ISSUE

PRINT
SIZE
BR OR PROJ NE EE CE AD CO ED MD TW BL PA
PRINTS REQD-0