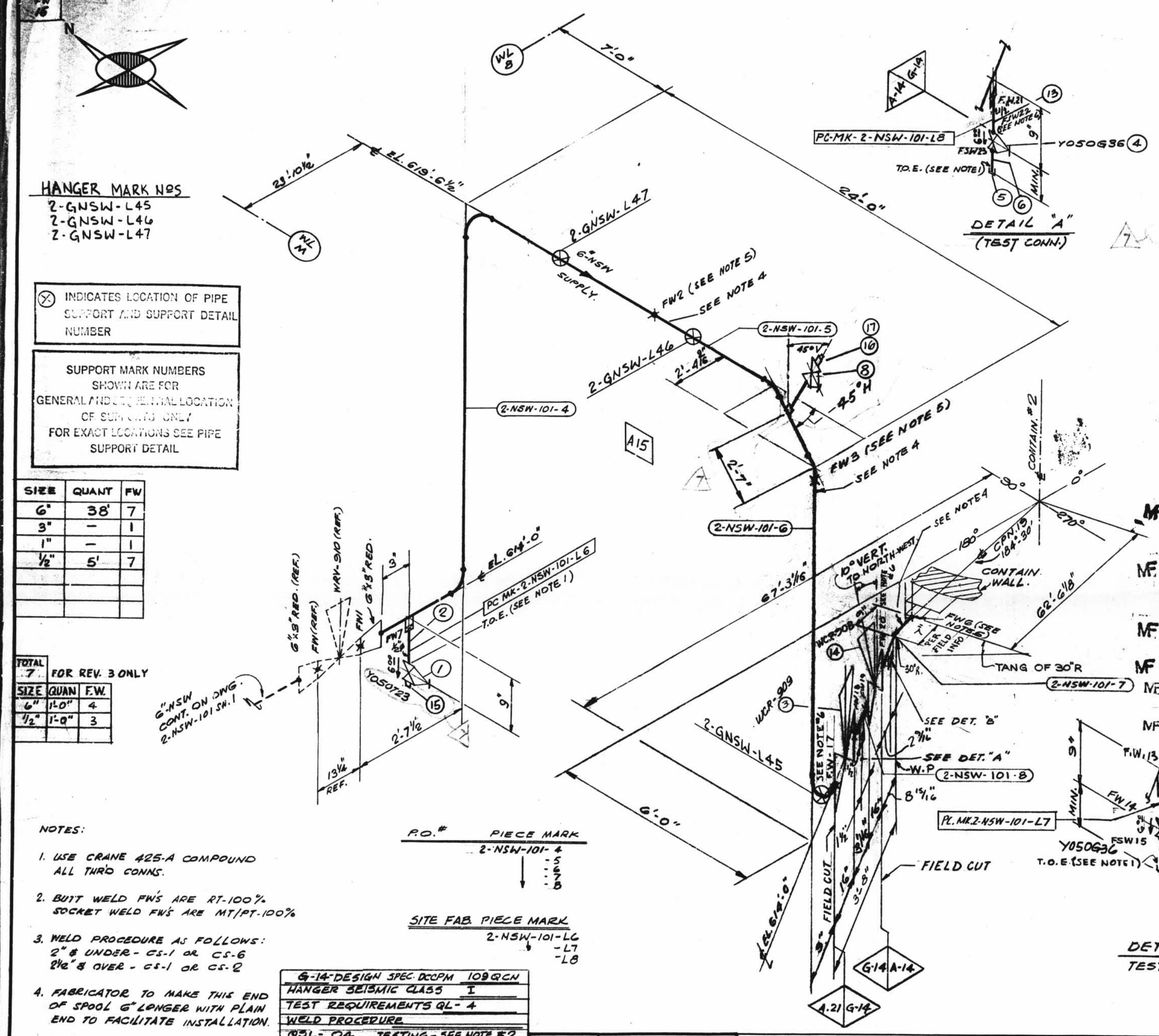
ISO SHT. NO. 1933

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	1	1/2"	200# THRD GLOBE VA. BRASS OR BRONZE	Y050T23	
	2	AS REQ'D	1/2"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B	
04	3	1	6"	B.W. DIAPH. CONTROL VALVE S.S.	WCR-909	
	4	2	1/2"	600# C.S. S.W. GATE VALVE	Y050G36	
	5	2	1/2"	3000# C.S. THR'D CAP	A-181 GR. I OR II	
	6	AS REQ'D	1/2"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B	
01	8	1	1"	600# CS, SW, GLOBE VALVE	Y-100T36	
04	13	AS REQ'D	1 1/2"	PIPE SCH. 40S SMLS	A-312 OR TP-304	
	14	1	6"	B.W. DIAPH. CONTROL VALVE S.S.	WCR-908	
01	15	2	1/2"	3000# PLUG THR'D., C.S.	A-181 GR. I or II	
	16	1	1"	S.W. X 3/4" THRD. 3000# RED. INSERT		
	17	1	3/4"	3000# PLUG, THR'D C.S.		

REVISION RECORD

NO.	DATE	DR. CHK.	DESCRIPTION	REMARK'S
1	11/20/76	B.A. B.R.	REVISED BY A.E.P. DESIGN; PER RFC-12-671: ADDED 6" CHECK VA., 15 CEO GA, 1/2" DRAIN VA. NO. C1-0800G36 1" VENT - VA. NO. Y-100T23.	ACTION REQ'D.
2	2/12/78	GP LB	AS PER RFC-12-1430 DELETED VALVE TAG NO. 15CEOGA, ADDED VALVE TAG NO. C1SCUGGA & ITEMS 3 THRU 12, AND REVISED RELATED PIPING.	FIELD ACTION REQ'D
3	9/14/81	R.F. D.R.	PER RFC-DC-12-2549, REPLACED 6" CHECK VALVE 1/WCR-909 WITH DIAPH. CONTROL VALS WCR-908, 909, ADDED PIPE SPEC. 9-16, WELD BOX, NOTES 6 & 7, WELDS FW 17 TO 21 FSW-22 & 23 ITEMS No. 13, 14 TO B/M 2-NSW 101-B & 2-NSW 101-L6 DWG. DELETED ITEMS 5 No. 7, 9 TO 12 FROM B/M & REV. ITEM No. 3 IN B/M	FIELD ACTION REQUIRED
4	10/16/81	K.A. LB	PER RFC-DC-12-2549, ROTATED ACTUATOR OF VALVE WCR-908 TO 10" VERT. TOWARD NORTH-WEST, REVISED DIM'S.	FIELD ACTION REQ'D.
5	6/4/82	J.C. R.G.	PER RFC-DC-12-2549 BOXED DIM. INDICATES FIELD INFO. 6'7" DIM. WAS 7 3/4" BY FIELD	NO ACTION REQ'D
6	8/11/86	DK. CONN. LB	PER RFC-DC-12-2876, REV'D ITEM 8, TYPE OF VALVE. ADDED SUPPORT DETAILS SUPERSEDED HGR. 150 2-GNSW 101 SHT. 2. ALL ABOVE TO REFLECT AS-BUILT CONDITIONS.	NO FIELD ACTION REQ'D
7	7/12/90	EBB CONN. LB	TO REFLECT AS-FOUND CONDITIONS FOR RFC-DC-12-3010 PER FWR # 750 REV. 1; ADDED PLUGS. REVISED LOCATION OF 1" VENT & B/M TO SUIT.	NO FIELD ACTION REQ'D.



SIZE	QUANT	FW
6"	38'	7
3"	—	1
1"	—	1
1/2"	5'	7

TOTAL 7 FOR REV. 3 ONLY

SIZE	QUAN	F.W.
6"	1'-0"	4
1/2"	1'-0"	3

NOTES:

1. USE CRANE 425-A COMPOUND ALL THRD CONNS.
2. BUTT WELD FW'S ARE RT-100% SOCKET WELD FW'S ARE MT/PT-100%
3. WELD PROCEDURE AS FOLLOWS: 2" & UNDER - CS-1 OR CS-6 3" & OVER - CS-1 OR CS-2
4. FABRICATOR TO MAKE THIS END OF SPOOL 6" LONGER WITH PLAIN END TO FACILITATE INSTALLATION.
5. FW'S PERTAINING TO THIS NOTE ARE TO BE MADE AFTER PIPE IS PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS-BUILT CPN.
6. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL)
7. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.

P.O.#	PIECE MARK
	2-NSW-101-4
	-5
	-6
	-7
	-8

SITE FAB. PIECE MARK
2-NSW-101-L6
-L7
-L8

G-14-DESIGN SPEC. DCCPM 108QCN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS QL-4
WELD PROCEDURE
QSL-04 TESTING - SEE NOTE #2

A-14 DESIGN SPEC. DCCPM 108 QCN
HANGAR SEISMIC CLASS I
TEST REQUIREMENTS QL-4
WELD PROCEDURE SEE NOTE 3
QSL-04 TESTING SEE NOTE 2

A-21 DESIGN SPEC. DCCPM 108 QCE
HANGAR SEISMIC CLASS II
TEST REQUIREMENTS QL-1
WELD PROCEDURE SEE NOTE 3
QSL-01 TESTING N/A.

DESIGN SPEC.	SEE
HANGER SEISMIC CLASS	DESIGN
TEST REQUIREMENTS	CODE
MATERIAL CLASS	STAMP

R.P. = WORKING POINT
T.B.E. = THREAD ONE END
T.B.B. = THREAD BOTH ENDS
B.B.E. = BEVEL ONE END
T.O.P. = TOP OF PIPE ELEV.
G.S.L. = MATERIAL QUALITY REQUIREMENTS
T.L. = TRUE LENGTH
B.B.E. = BEVEL BOTH ENDS
P.B.E. = PLAIN ONE END
P.B.B. = PLAIN BOTH ENDS
S.O.E. = SHAPE ONE END
B.O.P. = BOTTOM OF PIPE ELEV.
FW = FIELD WELD
H = HORIZONTAL
V = VERTICAL
SW = SHOP WELD
FSW = FIELD SHOP WELD
B = FIELD BELD
S = FABRICATE SHOP WELD
M = MANUAL SHOP WELD
E = VERIFY DIMENSION IN FIELD

PIPE																		
A-53		A-106		A-376		A-312												
GR. B						GRTP304												
STD.	XY	XXY	10	20	30	40	60	80	100	120	140	160						
SMLS		WLDD																

FITTINGS		
A-105	A-234	A-182
A-403	A-181	

TESTING				
N.D.T. SEE DESIGN CODE STAMP				
M.T.	P.T.	R.T.	U.T.	
PRESSURE TEST				
MED.	PRESS.	DURATION		

ADDITIONAL

POUR/ZONE No. A15
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO
FLOW DIAGRAM 2-5114A
Q.S.L. SEE DESIGN
WELD PROCEDURE CODE STAMP

NPS DESIGNS INC.
NEW YORK, N.Y.

FABRICATOR NOTE:
FABRICATION MUST CONFORM TO LATEST A.E.P. ARRGT. DWGS.

LIVSEY & COMPANY, INC.
INDIANA & MICHIGAN ELECTRIC CO.
DONALD C. COOK NUCLEAR PLANT

DWN: SG DATE: 12-8-71
CKD: GN DATE: 1-6-72
ISSUED
REF. DWG. 2-5497
AUXILIARY BLDG.
DWG. NO. 2-NSW-101 SH. 2 OF 2
REV. 7

2NSW-101 (sheet 2 of 2)
Lower Containment Ventilation
Unit 3 Supply Line

D-17B