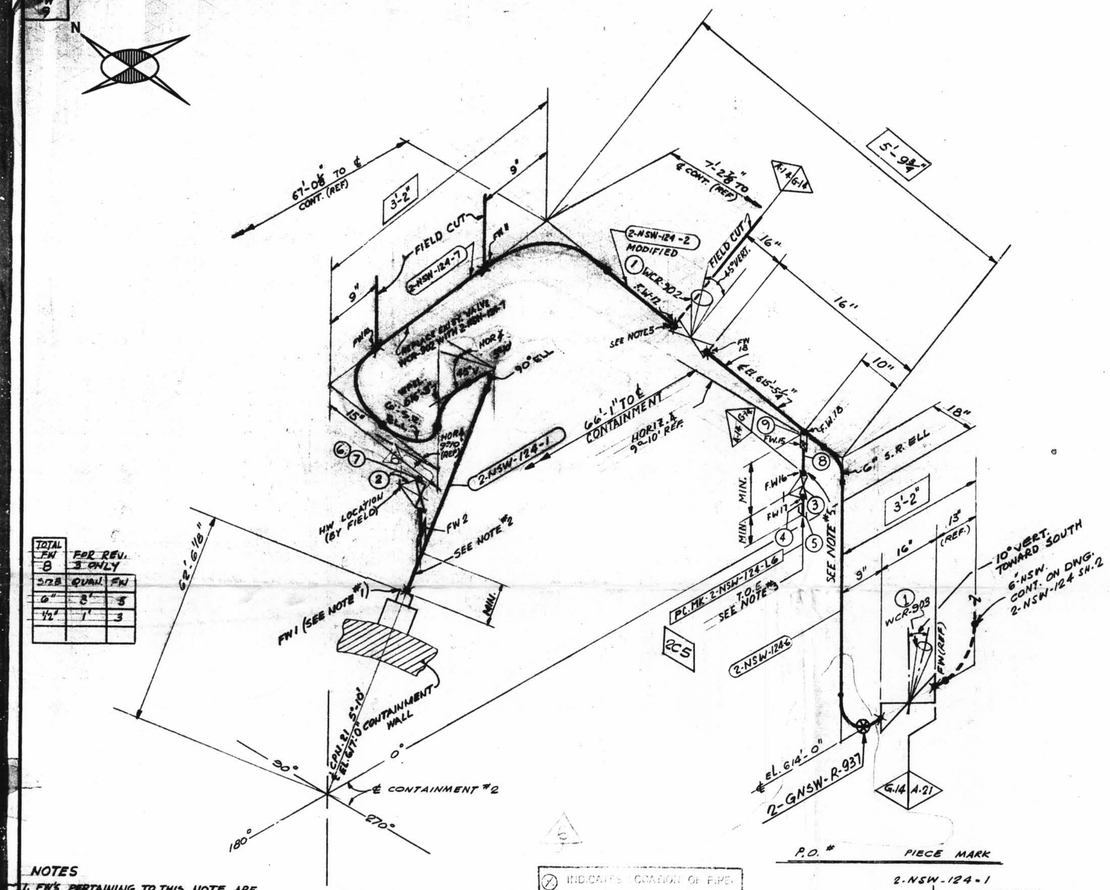

TOTAL FW 8	PER REV. 3 ONLY	
SIZE	EQUAL	FW
6"	8'	5
1½"	1'	3

SIZE	QUAN.	FW
6"	12'	5
1"		1
½"		3

NOTES

1. FW'S PERTAINING TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PRE-ALIGNED, & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS-BUILT CPN.
2. FABRICATOR TO MAKE THIS END OF SPOOL 6" LONGER WITH PLAIN END TO FACILITATE INSTALLATION
3. USE GRADE 425-A COMPOUND ON ALL THE'D CONN'S.
4. BUTTWELDS = RT-100% TESTING
   SOCKET WELDS = PT-100% TESTING
5. PROVIDE DI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL)
6. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.

INDICATES LOCATION OF PIPE SUPPORT AND SUPPORT DETAIL NUMBER

SUPPORT MARKS SHOWN ON THIS DWG. ARE GENERALLY FOR LOCATION OF SUPPORTS ONLY. FOR EXACT LOCATION SEE PIPE SUPPORT DETAIL

G-14 DESIGN SPEC.	DCCPM 103 QCN
HANGER SEISMIC CLASS	I
TEST REQUIREMENTS	QL-4
WELD PROCEDURE	
QSL-04	TESTING SEE NOTE 4

P.O. # PIECE MARK

2-NSW-124-1
- 2 MODIFIED.
- X
- 6
- 7

SITE FAB PIECE MARK

2-NSW-124-LG

SUPPORT MARK NO.

2-GNSW-R-937

D-33A

DESIGN SPEC.	DCCPM 103 QCN
HANGER SEISMIC CLASS	I
TEST REQUIREMENTS	QL-4
MATERIAL CLASS	A-14 SPEC. 104

R.P. = REFERENCE POINT
T.O.E. = THREAD ONE END
T.O.E. = THREAD BOTH ENDS
B.O.E. = BEVEL ONE END
T.O.P. = TOP OF PIPE ELEV.
Q.S.L. = MATERIAL QUALITY REQUIREMENTS
T.L. = TRUE LENGTH

B.O.E. = BEVEL BOTH ENDS
P.O.E. = PLAIN ONE END
P.O.E. = PLAIN BOTH ENDS
S.O.E. = SMLFE 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 WELD
S = FIELD SHOP WELD
M = MANUAL SHOP WELD
D = VERIFY DIMENSION IN FIELD

PIPE												
A-53		A-106		A-376		A-312						
		GR. B				GR TP-304						
STD.	XS	XXS	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.				
M.T.	P.T.	R.T.	U.T.	
		100%		
PRESSURE TEST				
MED.		PRESS.		DURATION

ADDITIONAL

POUR/ZONE No.	2C5
FLOW DIAGRAM	2-5114A
REQUIRED COMPLETION DATE	O.S.L. 04
FABRICATED BY	FUBECO
WELD PROCEDURE	

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 1-17-78	CONTAIN. VICINITY	
CKD. LJB	DATE 3/8/78	DWG. NO. 2-NSW-124 SH 1 OF 2	REV. 6
ISSUED			
REF. DWG. 2-5437A			

2NSW-124 (sheet 1 of 2)
Lower Containment Ventilation
Unit 4 Return Line

ISO SHT. NO. 2126

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
04	1	2	8"	B.W. DIAPH. CONTROL. VA.	WCR-902 WCR-903	
	2	1	1"	600# SW. C.S. GLOBE VA.	Y-100T36	
	3	1	½"	600# SW. C.S. GLOBE VA.	Y-050G36	
	4	AS REQ'D	½"	PIPE (SCH. 80) SMLS. C.S.		
	5	1	½"	3000# SCR'D. C.S. CAP		
	6	1	1"	1" SW x ¾" THE'D. 3000# ELL INSERT		
	7	1		¾" THE'D PLUG C.S		
	8	AS REQ'D	½"	PIPE (SCH 40S) SMLS S.S.	A-312 GR TP 304	
	9	1	½"	3000# S.W. S.S. CPLG.		

REVISION RECORD

NO.	DATE	DR. CHK	DESCRIPTION	ACTION REQ'D.
1	1-20-76	DR. B.R.	REVISED BY AEP DESIGN PER RFC-DC-12-671: ADDED; 6" CONTROL VALVE - WCR-902, 1" VENT-VALVE NO Y-100T23, ½" DRAIN-VALVE NO Y-050T36	ACTION REQ'D.
2	4/21/77	drc	PER RDAMC-0162 VA Y-100T36 WAS Y-100T23 ADDED ITEMS "6 & 7 TO B/M	
MF 3	9/6/81	K.A. DR.	PER RFC-DC-12-2549 ADDED PIPE SPEC. G-14, DIM'S. P.C. MKS. 6, 7 & LG, FIELD WELD BOX NOTES 4, 5 & 6, FIELD WELDS 10, 11, 12, 13, 14 & 15 F.S.N. 16 & 17, ITEM NO 8 TO B/M. RELOCATED WCR-902 REVISED ITEM NO 1 IN B/M.	FIELD ACTION REQ'D.
MF 4	11/16/81	K.A. JM	PER RFC-DC-12-2549 REVISED DIM; 3'-6¼" WAS 3'-9⅞".	FIELD ACTION REQ'D
MF 5	6/24/82	K.A. DZ	PER RFC-DC-12-2549 BOXED DIM'S INDICATE FIELD INFO, REVISED DIM'S & REROUTED LINE PER FIELD VERIFICATION MODIFIED PC.MK. 2-NSW-124-2 (RELOCATED ½" TEST CONN.	FIELD ACTION REQ'D.
MF 6	7/12/90	EBB CDM LB	TO REFLECT AS-FOUND CONDITIONS FOR RFC-DC-12-3010 PER FWR NO: 759 REV. 1: ADDED: PLUG TO 150. REV'D. VALVE, ITEM # 2 TO GATE, ADDED: HGR. 150. NO. 2-GNSW-124 SH. # 1.	NO FIELD ACTION REQ'D.