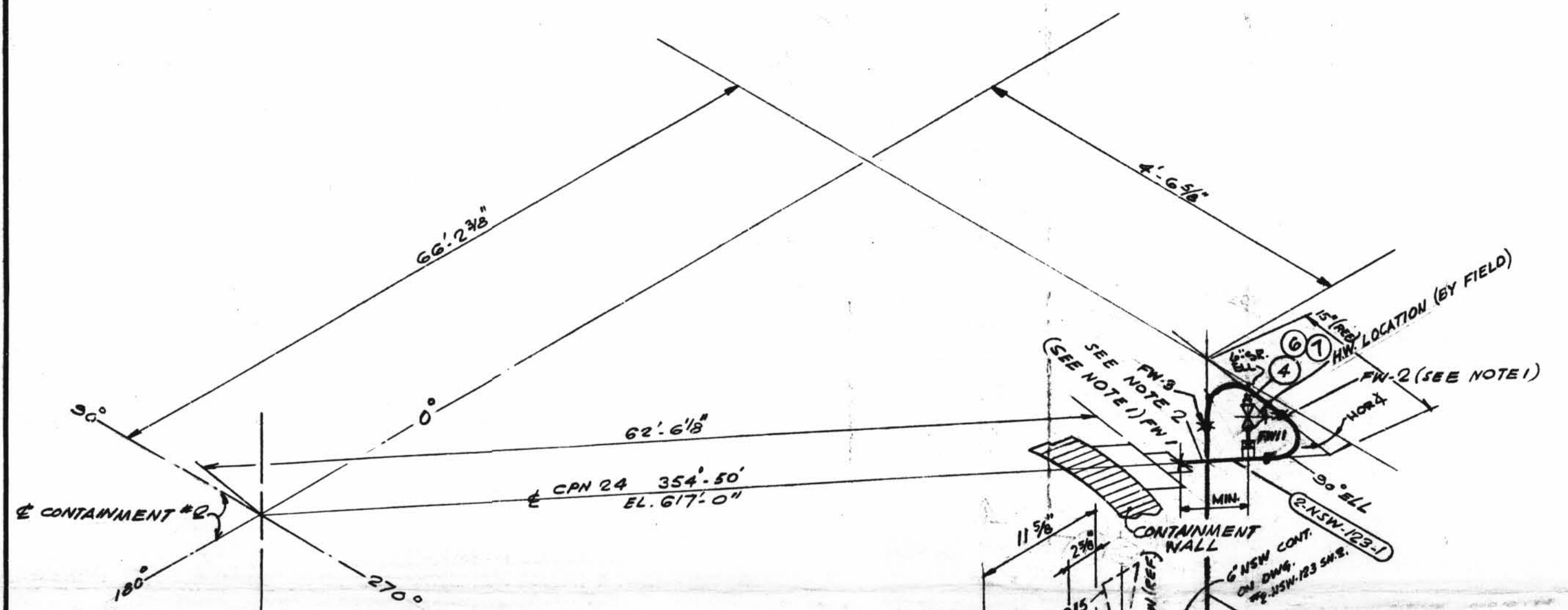
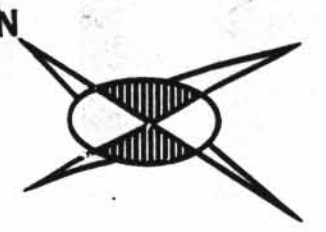


TOTAL FW 7



SIZE	QUAN.	FW
6"	2	4
1/2"	1	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 CRANE 425-A COMPOUND ON ALL THRD CONNECTIONS
4. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL)
5. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE
6. BUTTWELDS = PT-100% TESTING  
SOCKET WELDS = PT-100% TESTING

SUPPORT MARK NO.  
2-ANSW-R-937

INDICATES LOCATION OF PIPE SUPPORT AND SUPPORT DETAIL NUMBER

SUPPORT MARK NUMBERS SHOWN ARE FOR GENERAL AND SEQUENTIAL LOCATION OF SUPPORTS ONLY FOR EXACT LOCATIONS SEE PIPE SUPPORT DETAIL

SIZE	QUAN.	FW
6"	6	7
1"	-	1
1/2"	2	3

G-14 DESIGN SPEC. DCCPM 103 QCN  
HANGER SEISMIC CLASS I  
TEST REQUIREMENTS QL-4  
WELD PROCEDURE  
QSL-04 TESTING SEE NOTE 6

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

PIPE		FITTINGS		TESTING		ADDITIONAL	
A-33	A-104	A-376	A-312	A-105	A-234	A-102	N.D.T.
GR. B			GR. TP 304				M.T. P.T. R.T. U.T.
STD.	XY	XXY	10 20 30 40 60 80 100 120 140 160	A-403	A-181		100%
SMLS	WLD						PRESSURE TEST MED. PRESS. DURATION

R.P. - ROPED POINT		R.E.E. - REVEL BOTH ENDS		F.W. - FIELD WELD		S.W. - SHOP WELD	
T.O.E. - TOP OF END	T.O.E. - TOP OF END	P.O.E. - PLAN ONE END	P.O.E. - PLAN BOTH ENDS	D - HORIZONTAL	V - VERTICAL	S - AUTOMATIC SHOP WELD	B - MANUAL SHOP WELD
T.O.P. - TOP OF PIPE ELEV.	T.O.P. - TOP OF PIPE ELEV.	S.O.E. - SHAPE ONE END	S.O.E. - SHAPE BOTH ENDS	B.W. - BUTT WELD	F.W. - FIELD SHOP WELD		
D.L. - MATERIAL LENGTH	T.L. - TRUE LENGTH						

PO.# PIECE MARK  
2-NSW-123-1  
-2  
-3  
-7  
-8  
SITE FAB. PIECE MARK  
2-NSW-123-L6

ISO SHT. NO. 2124

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG NO. OR ASTM MAT'L.	HEAT NO.
04	1	2	6"	B.W. DIAPH. CONTROL VA. S.S.	WCR-914	
	2	1	1/2"	600# SW. C.S. GLOBE VA.	Y-060636	
	3	1	1/2"	3000# C.S. SCRD CAP	A-181 GR. I OR II	
	4	1	1"	600# S.W. C.S. GLOBE VA.	Y-100736	
	5	AS REQ'D	1/2"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B	
	6	1	1"	1" S.W. X 3/4" THRD 3000# RD. INSERT	A-181 GR. I OR II	
	7	1	3/4"	THRD PLUG C.S.	"	
	8	AS REQ'D	1/2"	PIPE (SCH. 40S) SMLS S.S.	A-312 GR. TP. 304	

REVISION RECORD				
NO.	DATE	DR. CHK.	DESCRIPTION	REMARKS
1	20/7/77	B.R.	REVISED BY AEP DESIGN: PER RFC-DC-12-671: ADDED: 6" B.W. CONTROL VA-WCR-914, 1" VENT. VALVE Y-100736, 1/2" DRAIN-VALVE Y-030736	ACTION REQ'D.
2	10/1/77	4/nc	PER RDM-MC-0162 ITEM #4 WAS Y-100736 ADDED ITEMS #6 & 7	
3	7/1/77	J.L.	PER RFC-DC-12-2549: ADDED: PIPE SPEC G-14, DIM'S, PC, MK, L-6, WELD BOX, NOTES 4, 5 & 6, FIELD WELDS 12 Y-016, FSW 17 & 18, ITEMS 10, 11, 12-NSW-123-7 & 8, PC, MK L-6. REVISED: ITEM NO. 1 IN B/M.	FIELD ACTION REQ'D.
4	5/1/77	SG	PER RFC-DC-12-2549 RELOCATED VALVE WCR-915 DIM. 11/8" WAS 9" TEST CONN. DIM. 5" WAS 2"	FIELD ACTION REQ'D.
5	7/21/77	EBB DBM LB	TO REFLECT AS-FOUND CONDITIONS FOR RFC-DC-12-3010 FWR #750 REV. 1 REVISED: DRAIN VALVE DESIGN NO. 4 B/M TO SUIT ADDED: SUPPORT MARK NO. 6 SUPERSEDE HGR-160, 2-GNSW-123 SH. 1	NO FIELD ACTION REQ'D.

D-32A

2NSW-123 (sheet 1 of 2)  
Lower Containment Ventilation  
Unit 2 Return Line

POUR/ZONE No. 2CS FLOW DIAGRAM 2-5114A  
REQUIRED COMPLETION DATE Q.S.L. 04  
FABRICATED BY TUBECO WELD PROCEDURE

NPS DESIGNS INC.  
NEW YORK, N.Y.

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

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

DWG. NO. 2-NSW-123 SH. 1 OF 2  
REV. 5  
REF. DWG. 2-5427A