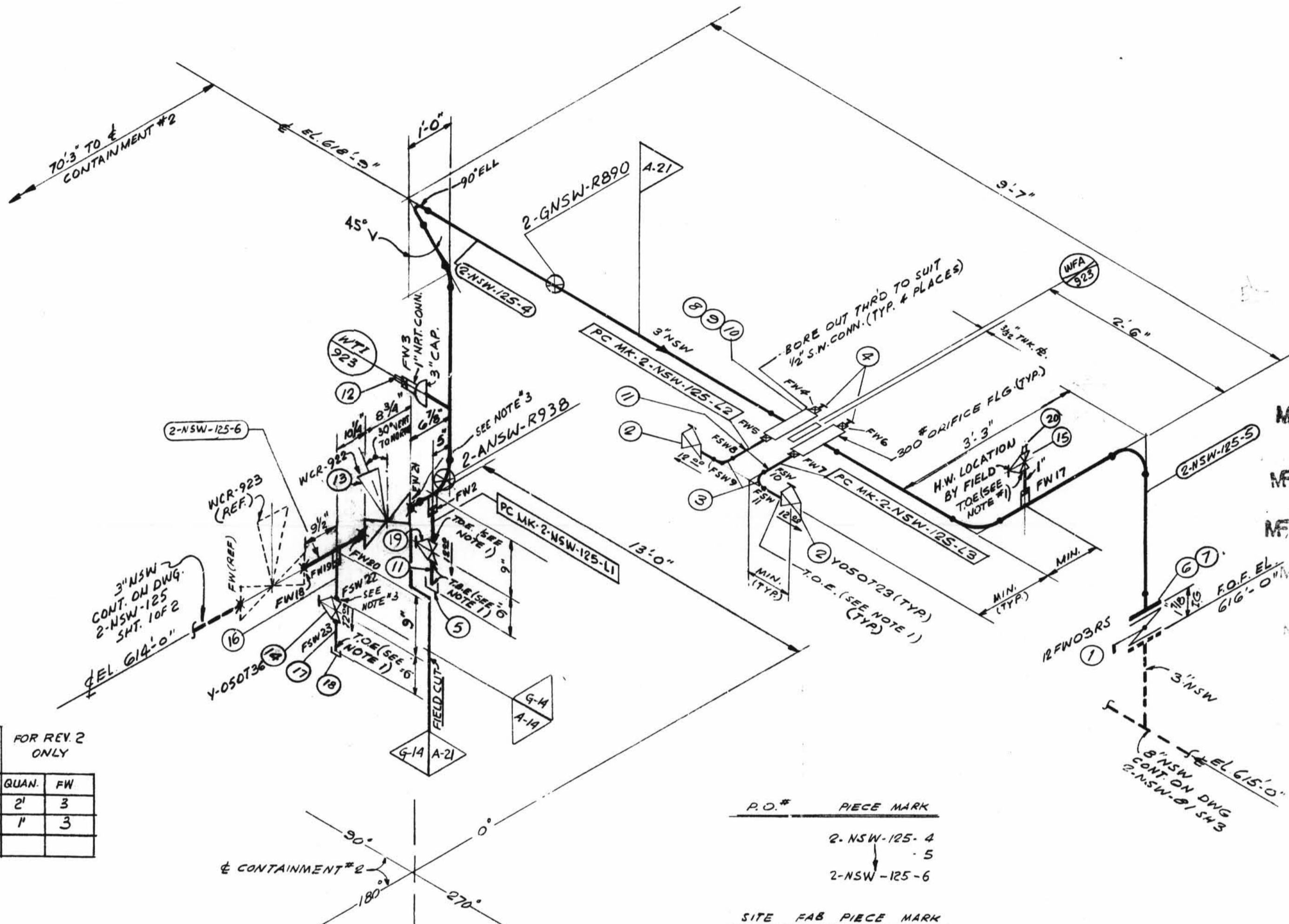
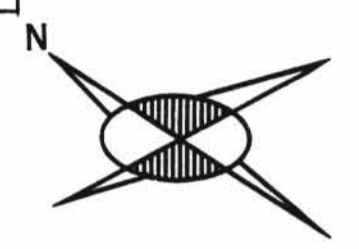


TOTAL FW 17



TOTAL FW 6 FOR REV 2 ONLY

SIZE	QUAN.	FW
3"	2	3
1/2"	1	3

NOTES:

- USE CRANE #25A COMPOUND ON ALL THRU CONNECTIONS.
- WELD PROCEDURE AS FOLLOWS:
 C/S 2" UNDER -
 C/S 2 1/2" OVER -
- PROVIDE BI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL)
- REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.

SUPPORT MARK NUMBERS SHOWN ARE FOR GENERAL INFORMATION ONLY. FOR EXACT INFORMATION SEE PIPE SUPPORT DETAIL

HANGER MARK NOS
 2-GNSW-R890
 2-ANSW-R938

SIZE	QUAN.	FW
3"	2	3
1"	-	2
1/2"	2	12

INDICATED LOCATION OF PIPE SUPPORT AND SUPPORT DETAIL NUMBER

G-14 DESIGN SPEC. DCCPM109RCN
 HANGER SEISMIC CLASS I
 TEST REQUIREMENTS QL-4
 WELD PROCEDURE
 QSL-04 TESTING SEE NOTE #1

DESIGN SPEC. DCCPM 109 QCS
 HANGER SEISMIC CLASS I
 TEST REQUIREMENTS N/A
 MATERIAL CLASS A-21 SPEC 104

PIPE		FITTINGS		TESTING		ADDITIONAL	
A-52	A-106	A-376	A-312	A-105	A-234	A-182	N.D.T.
	GR. B						N/A
STD.	XY	XXY	10	20	30	40	60
			80	100	120	140	160
				A-403	A-181		

DESIGN SPEC. DCCPM 109 QCS		DESIGN SPEC. DCCPM 109 QCS		DESIGN SPEC. DCCPM 109 QCS		DESIGN SPEC. DCCPM 109 QCS	
WELDING POINT	WELDING POINT	WELDING POINT	WELDING POINT	WELDING POINT	WELDING POINT	WELDING POINT	WELDING POINT
T.O.P. - TOP OF PIPE ELEV.	T.O.P. - TOP OF PIPE ELEV.	T.O.P. - TOP OF PIPE ELEV.	T.O.P. - TOP OF PIPE ELEV.	T.O.P. - TOP OF PIPE ELEV.	T.O.P. - TOP OF PIPE ELEV.	T.O.P. - TOP OF PIPE ELEV.	T.O.P. - TOP OF PIPE ELEV.
B.O.P. - BOTTOM OF PIPE ELEV.	B.O.P. - BOTTOM OF PIPE ELEV.	B.O.P. - BOTTOM OF PIPE ELEV.	B.O.P. - BOTTOM OF PIPE ELEV.	B.O.P. - BOTTOM OF PIPE ELEV.	B.O.P. - BOTTOM OF PIPE ELEV.	B.O.P. - BOTTOM OF PIPE ELEV.	B.O.P. - BOTTOM OF PIPE ELEV.
T.L. - TUBE LENGTH	T.L. - TUBE LENGTH	T.L. - TUBE LENGTH	T.L. - TUBE LENGTH	T.L. - TUBE LENGTH	T.L. - TUBE LENGTH	T.L. - TUBE LENGTH	T.L. - TUBE LENGTH

ISO SHT. NO. 2168

QSL	ITEM	QTY	SIZE	MATERIAL DESCRIPTION	TAG NO. OR ASTM MAT'L	HEAT NO.
01	1	1	3"	125# C.I. WAFER BUTTERFLY VALVE	12FW03R3	
	2	2	1/2"	200# SCR'D. GLOBE VALVE BRASS	Y050723	
	3	2	1/2"	3000# S.W. C.S. 90° ELL	A-181 GR. 2 OR II	
	4	2	1/2"	3000# S.W. PLUG C.S.		
	5	1	1/2"	3000# SCR'D CAP C.S.		
	6	4	5/8"	5" LG. HEX. HD. MACH. BOLT	A-307 GR. B.	
	7	4	5/8"	HEAVY HEX. NUT CL. 2 TOL.		
	8	2	3/8"	1/2" THK. SPIRAL WOUND FLEXITALLIC GASKET STYLE CG. TYPE 304		
	9	3	3/4"	4 1/4" LG. STUD BOLTS	A-193 GR. B7	
	10	16	3/4"	HEAVY HEX. NUT	A-193 GR. 2 H	
	11	AS REQ'D	1/2"	PIPE (SCH. 80) SMLS. C.S.	A-106 GR. B.	
	12	1	1"	BI-METAL THERM WELL	WTI-923	
04	13	1	3"	BW. DIAPH. CONTROL VAL. S.S.	WCR-922	
	14	1	1/2"	600# CS SW GLOBE VAL.	Y-050736	
01	15	1	1"	200# SCR'D. GLOBE VAL. BRASS OR BRASS	Y-100723	
04	16	AS REQ'D	1/2"	PIPE SCH. 40 S SMLS S.S.	A-106 GR. TP 304	
	17	AS REQ'D	1/2"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B.	
	18	1	1/2"	3000# SCR'D CAP C.S.	A-181 GR. 2 OR II	
01	19	1	1/2"	150# SCR'D GATE VALVE BRASS OR BRASS	Y-050722	
	20	1	1"	3000# THR'D. PLUG, C.S.	A-181 GR. 2 OR II	

REVISION RECORD

NO.	DATE	DR. CHK.	DESCRIPTION	REMARKS
1	20-76	DR. B.R.	REVISED BY AEP DESIGN: PER RFC-DC-12-761: ADDED; 3" BW CONTROL VALVE WCR-922, 1/2" DRAIN VALVE Y-050723, 1" VENT-VALVE Y-100723.	ACTION REQ'D.
2	9/16/81	KA DR	PER RFC-DC-12-2549 ADDED: PIPE S.DEC. G-14, WELD BOX, WELDS: FW 19 TO 21, FSW 2223, NOTES 34 DIM'S, PC, MK 2-NSW-125-6, ITEMS 16, 17 & 18 TO B/M REVISED ITEM 13 IN B/M	FIELD ACTION REQ'D
3	9/22/81	KA DLF	PER RFC-DC-12-2549 ROTATED VALVE ACTUATOR AT 30° VERT TOWARD NORTH.	FIELD ACTION REQ'D
4	8/11/81	DR. LB	PER RFC-DC-12-2876 REV'D ITEM 2 QTY FROM 3 TO 2. ADDED ITEM 19 & SUPPORT DETAILS. SUPERSEDED HGR 150 2-GNSW-125 SHT 2. ALL ABOVE TO REFLECT AS-BUILT CONDITIONS.	NO FIELD ACTION REQ'D
5	7/21/89	EBB LB	TO REFLECT AS-FOUND CONDITIONS FOR RFC-DC-12-3010 PER FWE # 750 REV. 1; ADDED; PLUG & ITEM NO. 20 ON B/M.	NO FIELD ACTION REQ'D.

D-34B

2NSW-125 (sheet 2 of 2)
 Upper Containment Ventilation
 Unit 1 Return Line

POUR/ZONE No. 225 FLOW DIAGRAM 2-5114A
 REQUIRED COMPLETION DATE QSL 21
 FABRICATED BY TUBE CO WELD PROCEDURE SEE NOTE 2

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. ARRG. DWGS.

DWN: SG: DATE: 1/8/72
 CKD: LJB DATE: 3/1/72
 ISSUED
 REF. DWG. 2-5497A
 CONTAIN. VICINITY
 DWG. NO. 2-NSW-125
 SH. 2 OF 2
 REV. 5