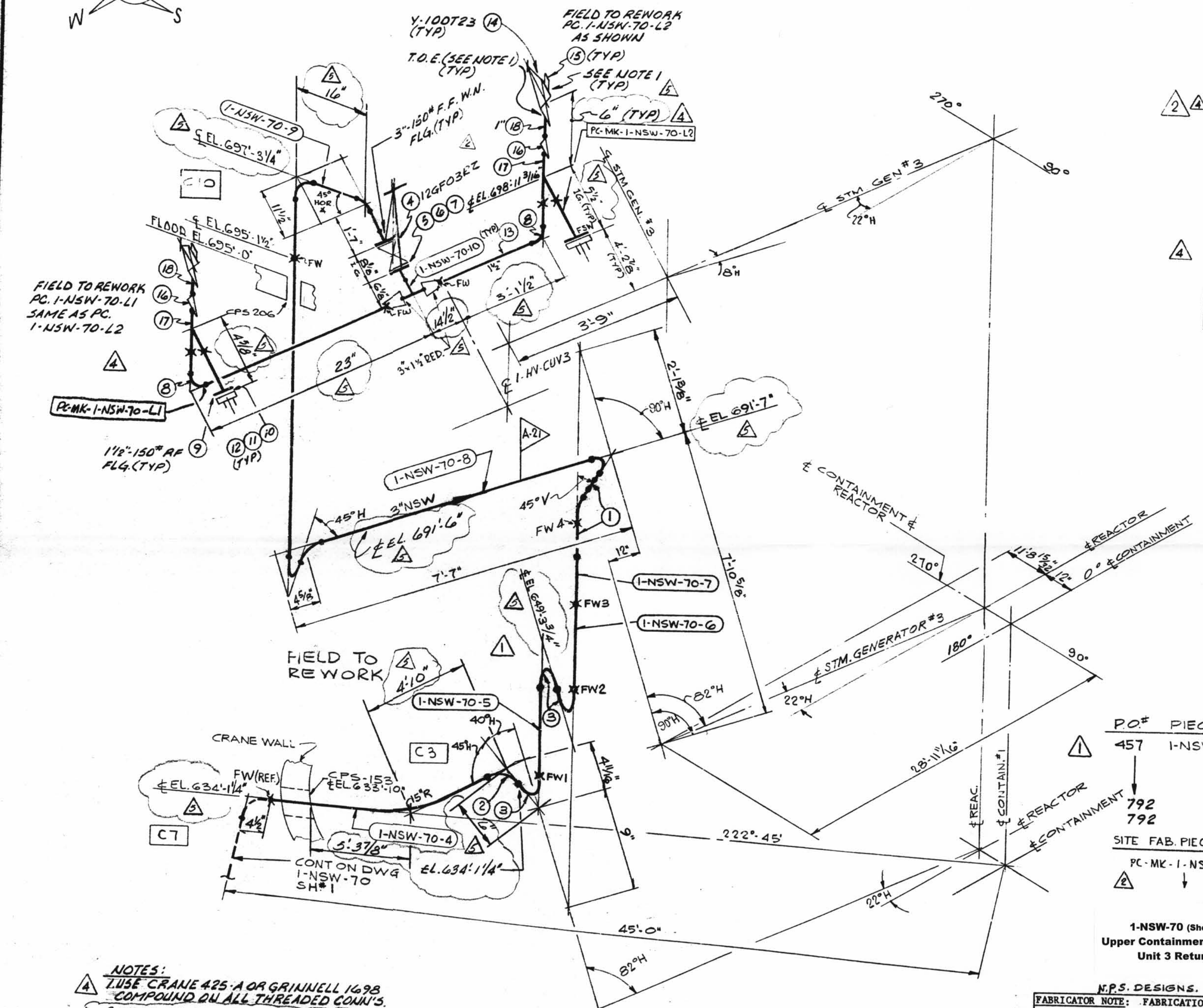
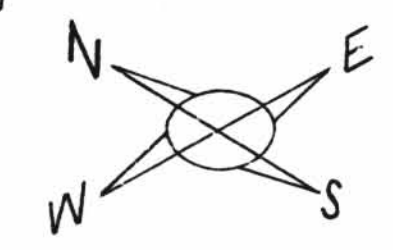


TOTAL FW



MATERIAL ISO SH. NO. 1433

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L	HEAT NO.
01	1	AS REQD	3"	PIPE, SMLS, CS, SCH 40	A-106 GR B	
	2	1	3"	45° ELL, BW, CS, SCH 40	A-234 GR NPB	
	3	3	3"	90° LR ELL, BW, CS, SCH 40	GR NPB	
	4	1	3"	125° C.I. FLG'D. GATE VA.	12 GF03RZ	
	5	2	3"	1/4" THK 150° FF GASK. COMP ASBESTOS RUBBER BONDED		
	6	8	5/8"	3" LG. HEX. HD. MACH. BOLTS	A307GR B	
	7	8	5/8"	HEAVY HEX. NUT CLASS 2 TOL.	A307GR B	
	8	2	1 1/2"	3000# C S SW 90° ELL	A106 GR B	
	9	2	1 1/2"	150° RF SW FLG.		
	10	2	1 1/2"	1/4" THK 150° FF GASK. COMP ASBESTOS RUBBER BONDED		
	11	8	1/2"	2 1/4" LG. HEX. HD. MACH. BOLT.	A307GR B	
	12	8	1/2"	HEAVY HEX. HD. NUTS. CL 2 TOL.	A307GR B	
	13	AS REQD	1 1/2"	SMLS. C S PIPE SCH 80	A106 GR B	
	14	2	1"	200# THD. BRONZE GLOBE VA.	Y100T23	
	15	2	1"	3000# C S THD PLUG	A-181 GR II	
	16	2	1 1/2"	SW RED. INSERT		
	17	2	1 1/2"	SW TEE		
	18	AS REQD	1"	PIPE (SCH. 80) SMLS. C S	A106 GR B	

REV	DATE	DR	CHK	DESCRIPTION	REMARKS
1	4/10/72	JQ	GN	REVISED PIPING & ADDED NOTE FOR FIELD REWORK FOR PC MK 4 THRU 8. ADDED: ITEMS 1, 2 & 3; PO.#; BOX FOR TOTAL NO. OF FW'S. DELETED: WELD PROCEDURE PER A.E.P. DWG 1-5489A-2.	FIELD ACTION REQD
2	6/15/72	CEM	EP	ADDED: SPOOLS 9 & 10; PC-MK-1-NSW-70-L1/L2; BILL OF MATL. ITEMS 4 THRU 13. PER AEP DWG 1-5740-REV. 1. ADDED REF. DWG. 1-5740. REV. BY NRS DESIGN	FIELD ACTION REQ. FAB ACTION REQ.
3				BY FIELD	
4	2/11/73	J.Q.	GN	ADDED: 1" VENTS & RENOVATED PCS 1-NSW-70-L1 & L2 TO SUIT. ADDED ITEMS 14 THRU 18 & CHANGED QTY OF ITEM 8. ADDED AEP A.A.G.T. DWG. 1-5740-5	FIELD ACTION REQD
5	1/11/74	GR	RT	ADDED: NOTE #2 DIMS. 1 1/2" 15/16" 4" 10" 5" 3 1/8" EL. 697' 2 1/2" 697' 3 1/4" 634' 1 1/4" 614' 6" WAS MIN. 3 1/16" WAS 3 1/4" 1 1/2" WAS 3/4" 2 3/4" WAS 2 1/2" 5 1/2" WAS 4 1/2" EL. 697' 3 1/4" WAS 697' 3" 697' 1 1/2" WAS 697' 0" 649' 3 3/4" WAS 649' 1 3/4" 634' 1 1/4" WAS 634' 1" PER AS BUILT DIMS. AEP DWGS. 1-5489A-4 & 1-5740-6	NO ACTION REQ'D.

LABOR COST CONTROL		LABOR COST CONTROL	
USE ONLY WITH		USE ONLY WITH	
PIPE SIZE		PIPE SIZE	
SCHEDULE		SCHEDULE	
TYPE		TYPE	
ISO START DATE		ISO START DATE	
ISO FINISH DATE		ISO FINISH DATE	
WORK OPERATION	LINE ITEM NUMBER	WORK OPERATION	LINE ITEM NUMBER
HANGER INST.		HANGER INST.	
ERECT		ERECT	
WELD		WELD	
RADIO-G - X-RAY		RADIO-G - X-RAY	
STRESS RELIEVE		STRESS RELIEVE	
MISC. WORK		MISC. WORK	

NOTES:  
 1. USE CRANE 425-A OR GRINNELL 169B COMPOUND ON ALL THREADED CONN'S.  
 2. WELD PROCEDURE AS FOLLOWS:  
 C/S 2 1/2" & UNDER = CS-6 OR CS-11  
 C/S 3" & OVER UPTO 3/4" WALL = CS-1 OR CS-2  
 3/4" WALL & UP = CS-5

SIZE	QUAN.	FW
3"	83'-0"	13
1 1/2"	5'-0"	2
1"	1'	-

DESIGN SPEC.		DCCPM1020CS	
HANGER SEISMIC CLASS	II	W.P. WORKING POINT	
TEST REQUIREMENTS	N/A	T.O.E. THREAD ONE END	
MATERIAL CLASS	A-21 SP-104	B.B.E. BEVEL BOTH ENDS	
		P.O.E. PLAN ONE END	
		T.B.E. THREAD BOTH ENDS	
		P.B.E. PLAN BOTH ENDS	
		S.O.E. SHAPE ONE END	
		T.O.P. TOP OF PIPE ELEV.	
		B.O.P. BOTTOM OF PIPE ELEV.	
		Q.S.L. MATERIAL QUALITY REQUIREMENTS	
		T.L. TRUE LENGTH	

POUR/ZONE No. 1C3, 1C7, 1C10		FLOW DIAGRAM I-2-5114A	
REQUIRED COMPLETION DATE	FABRICATED BY TUBECO	Q.S.L. 21	WELD PROCEDURE SEE NOTE 2
REVISION RECORD		LIVSEY & COMPANY, INC.	
NO.	DATE	DONALD C. COOK NUCLEAR PLANT	
		CONTAINMENT BLDG	
		DWG. NO.	
		1-NSW-70	
		SH 2 OF 2	