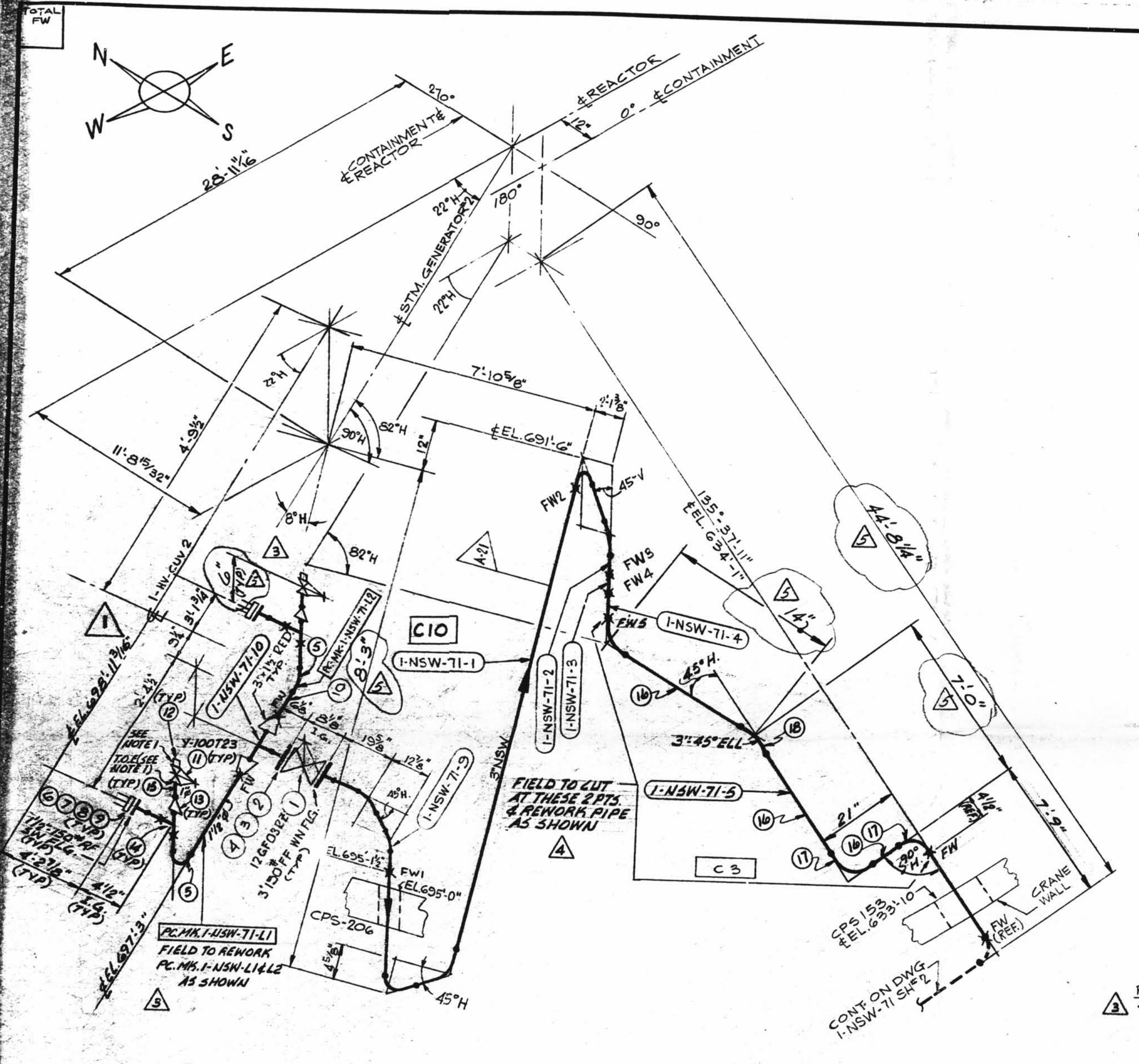

P.O.#	PIECE MARK
458	1-NSW-71-1
	-2
	-3
	-4
792	-5
792	-9
	-10

SITE FAB. PIECE MARK
PC-MK-1-NSW-71- L1
L2

NOTES:
1. USE CRANE 425A OR GRINNELL 1698 COMPOUND ON ALL THREADED CONN'S.
2. WELD PROCEDURE AS FOLLOWS:
   C/S 2 1/2" & UNDER: CS-6
   C/S 3" & OVER UP TO 3/4" WALL CS-1 OR CS-2
   3/4" WALL & UP = CS-5

SIZE	QUAN.	FW
3"	85'-0"	7
1 1/2"	5'-0"	2

MATERIAL ISO SH No. 1396

OSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	1	3"	125# C.I. FLG'D GATE VA.	12GF03RZ	
	2	2	3"	1/16 THK. 150 FF GASK. COMP. ASBESTOS RUBBER BONDED		
	3	8	5/8"Ø	× 3" LG. HEX. HD. MACH. BOLT.	A307 GR B	
	4	8	5/8"	HEAVY HEX. HD NUT CL. 2 TOL.	A307 GR. B	
	5	2	1 1/2"	3000# C.S. SW 90° ELL	A181 OR A105 GR I OR II	
	6	2	1 1/2"	150# RF SW FLG.	A181 OR A105 GR I OR II	
	7	2	1 1/2"	1/16 THK. 150# FF GASK. COMP. ASBESTOS RUBBER MOUNTED		
	8	8	1/2"Ø	× 2 1/4" LG. HEX. HD. MACH. BOLT	A307 GR B	
	9	8	1/2"	HEAVY HEX. HD. NUT CL. 2 TOL.	A307 GR B	
	10	AS REQ	1 1/2"	SMLS. C.S. PIPE SCH 80	A106 GR B	
	11	2	1"	200# THD BRONZE GLOBE VA.	Y-100T23	
	12	2	1"	3000# CS THD PLUG	A-181 GR. I OR II	
	13	2	1 1/2"×1"	SW RED. INSERT		
	14	2	1 1/2"	SW TEE		
	15	AS REQD	1"	PIPE (SCH. 80) SMLS CS	A-106 GR. B	
	16	AS REQD	3"	PIPE (SCH. 40) SMLS CS	A-106 GR. B	
	17	2	3"	90° ELL (SCH. 40) SMLS CS	A-234 GR. WPA OR WPB	
	18	1	3"	45° ELL (SCH. 40) SMLS CS	A-234 GR. WPA OR WPB	

1	6/19/72	CRM / R.P.	ADDED: SPOOLS 9 & 10; PC. MK. 1-NSW-71-L1 & L2; BILL OF MAT'L. ITEMS 1 THRU 10. PER AEP DWG 1-5740 - REV 1. ADDED REF. DWG. 1-5740. REVISIONS BY NPS DESIGNS	FIELD ACTION REQ / FAB ACTION REQ
2			BY FIELD	
3	1/31/73	J.Q.	ADDED 1" VENTS & REWORKED PCS. 1-NSW-71-L1 & L2 TO SUIT. ADDED ITEMS 11 THRU 15 & CHG'D. QTY OF ITEM 5. ADDED NOTE 1 & P.O. #'S AEP ARRG'T. DWG. 1-5744 - REV. 5	FIELD ACTION REQD / —
4	3/5/73	J.Q. / I.F.	REVISED BY N.P.S. DESIGNS. REVISED PC. MK. 1-NSW-71-5. ADDED FIELD NOTE, FW'S, BIM ITEMS 16, 17 & 18 PER AEP ARRG'T. DWG. 1-5489A REV. A	FIELD ACTION REQD / —
5	10/19/73	LGR / RJG	REVISED BY N.P.S. DESIGNS. ADDED: NOTE 2, DIMS. 14", 7'-0". DIM. 6" WAS MIN., 8'-3" WAS 7'-9" 44'-8 1/4" WAS 45'-0" PER AS BUILT DIMS. A.E.P. DWG. NOS 1-5489A-4 & 1-5740-6	NO ACTION REQ'D.

1-NSW-71 (Sheet 1 of 2)
Upper Containment Ventilation
Unit 2 Return Line

D-57A

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

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

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

DESIGN SPEC.	DCCPM102QCS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	N/A
MATERIAL CLASS	A-21 SP-104

W.P. = WORKING POINT
T.O.E. = THREAD ONE END
T.B.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.B.E. = BEVEL BOTH ENDS
P.O.E. = PLAIN ONE END
P.B.E. = 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
■ = FIELD WELD
○ = AUTOMATIC SHOP WELD
● = MANUAL SHOP WELD
◆ = VERIFY DIMENSION IN FIELD

PIPE

A-53	A-106	A-376	A-312	
	GR. B			

STD.	XY	XXY	10	20	30	40	60	80	100	120	140	160
						X						

SMLS	WLDD
X	

FITTINGS

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

TESTING

N.D.T. N/A

M.T.	P.T.	R.T.	U.T.

PRESSURE TEST

MED.	PRESS.	DURATION

ADDITIONAL

POUR/ZONE No. 163, 167, 1610
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO
FLOW DIAGRAM 1-2-5114A
Q.S.L. 01
WELD PROCEDURE SEE NOTE 2

REVISION RECORD

NO.	DATE	DESCRIPTION

LIVSEY & COMPANY, INC.
DONALD C. COOK NUCLEAR PLANT

DWN: LGR	DATE: 7-20-71	CONTAINMENT BLDG
CKD: GN	DATE: 7-21-71	DWG. NO. 1-NSW-71 SH. 1 OF 2 — REV 5
ISSUED		
REF. DWG. 1-5489A 1-5740		