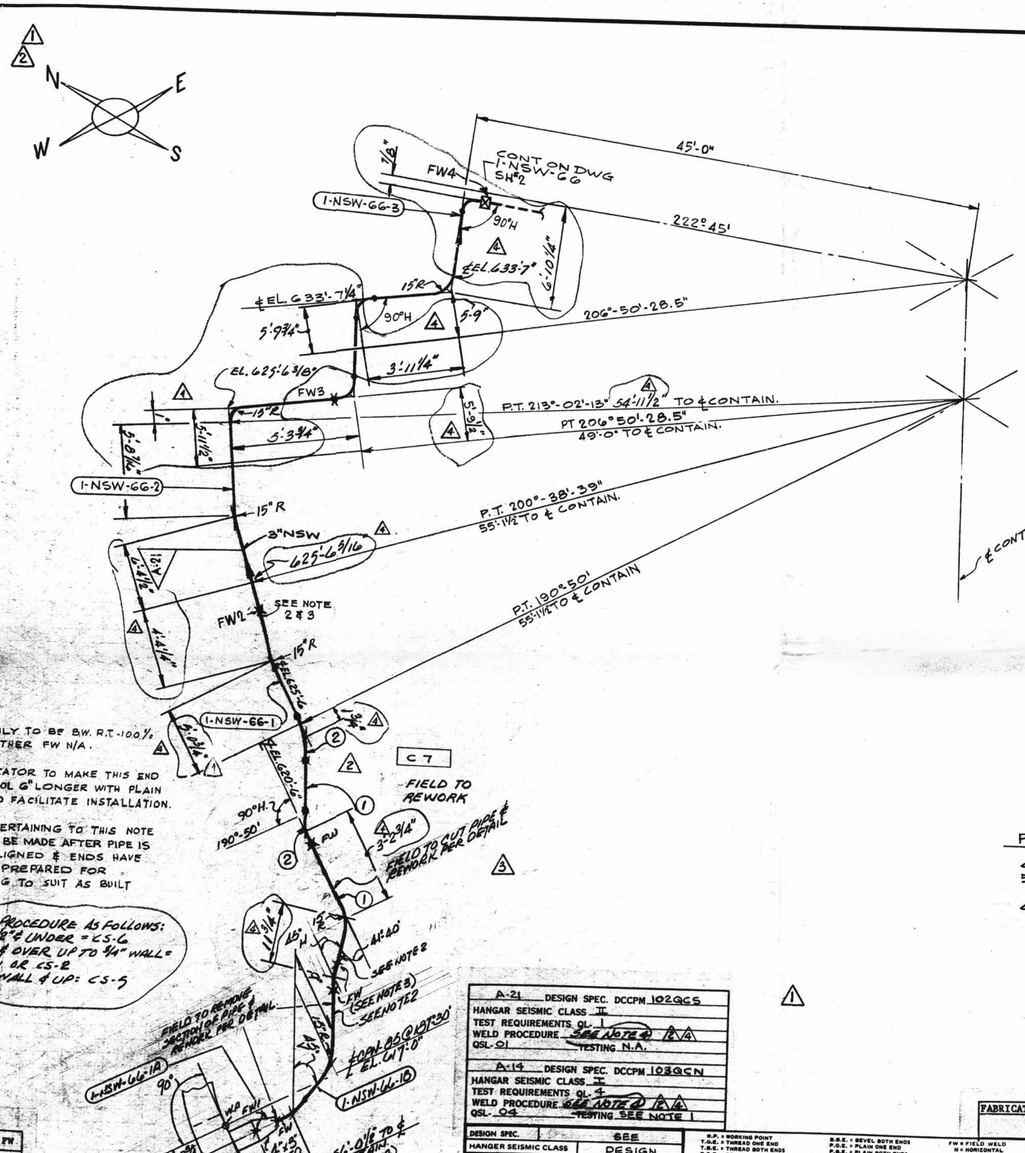

NOTES:

1. FW1 ONLY TO BE B.W. R.T. - 100%. ALL OTHER FW N/A.
2. FABRICATOR TO MAKE THIS END OF SPOOL 6" LONGER WITH PLAIN END TO FACILITATE INSTALLATION.
3. FW's PERTAINING TO THIS NOTE ARE TO BE MADE AFTER PIPE IS PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS BUILT CPN.
4. WELD PROCEDURE AS FOLLOWS: 4/S 2 1/2" & UNDER = CS-6; 4/S 3" & OVER UP TO 3/4" WALL = CS-1 OR CS-2; 3/4" WALL & UP: CS-5

TYPE	QUAN.	FW
4"	—	1
3"	60'-0"	10

MATERIAL ISO SH. No. 1391						
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	2	3"	90° LR ELL, BW, CS, SCH. 40	A-234 GR. WPB	

REV.	DATE	DR CHK	DESCRIPTION	REMARKS
1	12/1/71	S.G. GN	RELEASED PIPING AT CPN. ADDED: FW1AA & 1BB; PC MK 1A & 1B; RO. #1. DESIGN CODE STAMP; NOTES 2 & 3; TOTAL NO. OF FW. REVISED; WELD PROCEDURE. PER DWG 1-5489A.	FIELD ACTION REQD / FAB. ACTION REQD
2	4/10/72	J.Q. GN	REVISED PIPING & ADDED NOTE FOR FIELD REWORK FOR PC. MK 1 & 1B. ADDED: ITEM 1 & 2. DELETED: WELD PROCEDURE; TOTAL NO. OF FW's. PER AEP DWG. 1-5489A-2.	FIELD ACTION REQD
3	1-22-73	AA / JDB	REVISED CONFIGURATION OF SPOOLS 1-NSW-66-1, 1A & 1B. REWORK BY CERLO AND ARRGT. DWG 1-5489A3	FIELD ACTION REQD
4	1/4/74	GR / DCG	ADDED: NOTE 4, DIMS. 90° ELL 16" 5'-9"; 3'-11 1/4"; 3'-9 3/4"; 5'-3 3/4"; 5'-9"; 5'-10 1/4"; 1'-5 3/16"; 1'-4 1/2"; 4'-8 1/16"; 1'-0 3/4"; 3'-2 3/4"; 1 3/4"; 1'-7 3/4"; 1'-4 1/2"; 6'-6 1/4"; 6'-6 3/4"; 1'-8 3/4"; 1'-8 3/4"; 2'-1 3/4"; 2'-1 3/4"; 5'-0 3/4"; 5'-0 3/4"; WAS 2'-9"; 54'-11 1/2"; WAS 55'-11 1/2"; 13'-6"; WAS 3" PER AS BUILT DWG. A.E.P. DWG. 1-5489A-4	NO ACTION REQ'D

P.O.#	PIECE MARK
457	1-NSW-66-1
533	1A
↓	1B
457	2
	3

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	

1-NSW-66 (Sheet 1 of 2)
Upper Containment Ventilation Unit 3 Supply Line

N.P.S. DESIGNS

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

A-21 DESIGN SPEC. DCCPM 102QGS
HANGAR SEISMIC CLASS II
TEST REQUIREMENTS QL-1
WELD PROCEDURE SEE NOTE 4
QSL-01 TESTING N.A.

A-14 DESIGN SPEC. DCCPM 103QCN
HANGAR SEISMIC CLASS II
TEST REQUIREMENTS QL-4
WELD PROCEDURE SEE NOTE 4
QSL-04 TESTING SEE NOTE 1

DESIGN SPEC.	6EE
HANGER SEISMIC CLASS	DESIGN
TEST REQUIREMENTS	CODE
MATERIAL CLASS	STAMP

W.P. = WORKING POINT
T.O.E. = THREAD ONE END
T.B.E. = THREAD BOTH ENDS
B.O.E. = BEVEL ONE END
T.O.F. = 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.F. = 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
						☒					
SMLS	WLDD										

FITTINGS

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

TESTING

N.D.T. SEE DESIGN CODE STAMP			
M.T.	P.T.	R.T.	U.T.
PRESSURE TEST			
MED.	PRESS.	DURATION	

ADDITIONAL

POUR/ZONE No. 1C7
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO

FLOW DIAGRAM 1-2-5114A
O.S.L. SEE DESIGN
WELD PROCEDURE CODE STAMP

REVISION RECORD

NO.	DATE	DESCRIPTION

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

DWN. LGR	DATE 7-16-71	CONTAINMENT BLDG
CKD. GN	DATE 7-19-71	DWG. NO. 1-NSW-66
ISSUED		SHT. 1 OF 2
REF. DWG. 1-5489A		REV 4

D-53A