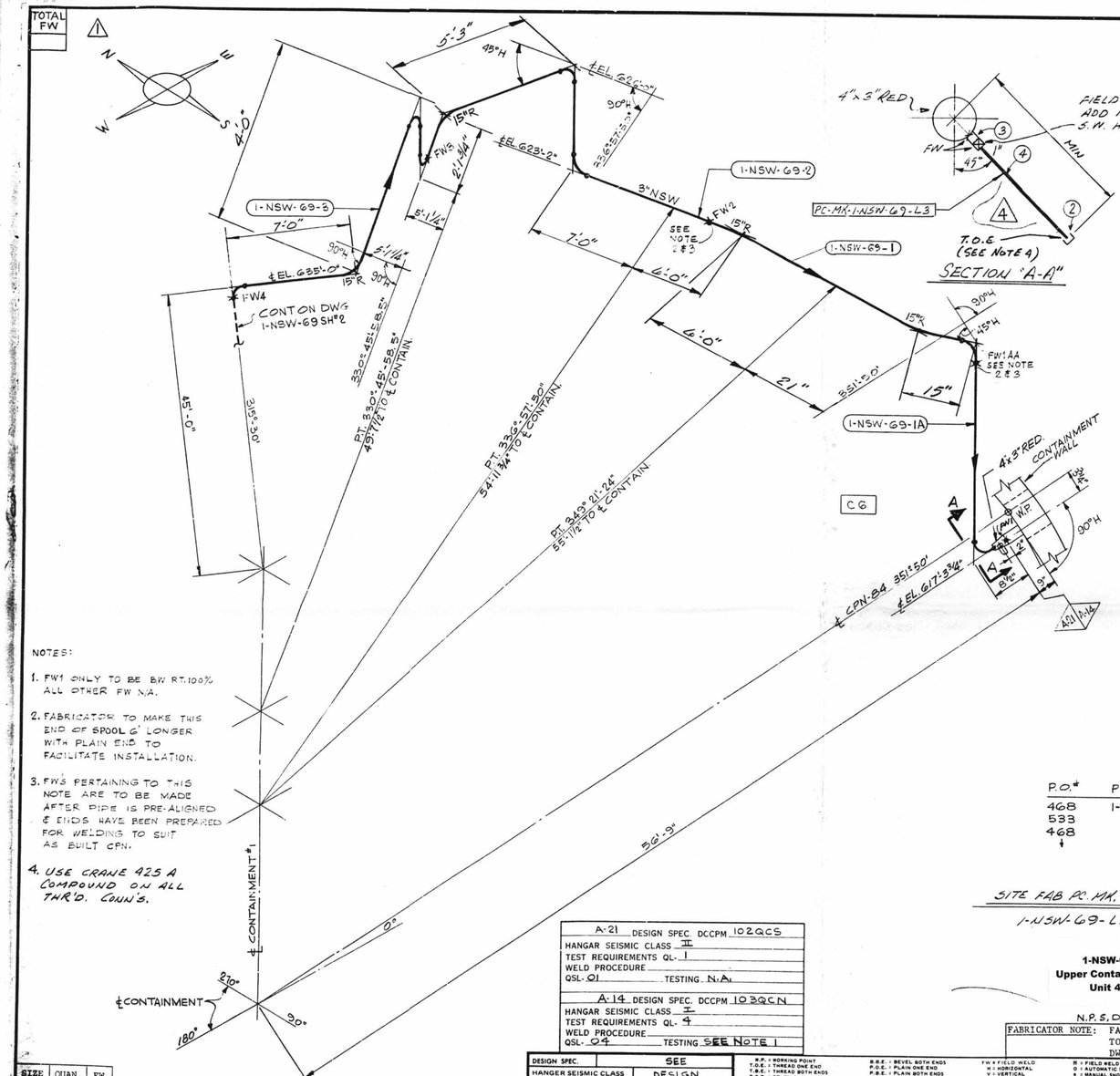

NOTES:

1. FW1 ONLY TO BE BW RT.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. USE CRANE 425 A COMPOUND ON ALL THR'D. CONN'S.

MATERIAL ISO SH. NO 1394

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L	HEAT NO.
01						4
	2	1	1"	3000# THR'D C.S. CAP	A-181 GR 70 CL	
	3	1	1"	3000# S.W. C.S. H CPLG.		
	4	AS REQD	1"	PIPE (SCH 80) SMLS. C.S.	A-106 GR. B	

REV.	DATE	DR. CHK	DESCRIPTION	REMARKS
1	12/1/71	SG GN	RELEASED PIPING AT CPN. ADDED: FW1AA; PC MK 1A; P.O.#; DESIGN CODE STAMP; NOTES 2&3; TOTAL NO. OF FW; REVISED: WELD PROCEDURE. PER DWG 1-5489A	FIELD ACTION REQD / FAB ACTION REQD
2	1/2/73	RJG LGR	ADDED: SECTION "A-A" PC MK-I-NSW-69-L3, NOTE 4, ITEMS 1 THRU 4 IN BOM, 2" DIM. DELETED WELD PROCEDURE PER DWG. 1-5489A-3	FIELD ACTION REQD —
3	1/11/74	LGR RJG	ADDED: DIMS: 4'-0", 7'-0", 6'-0", 21", 15", 3¾", 8", 3", 90°H, 45°H, DIM 5'-1¼" WAS 5'-1¾", 49°7½" WAS 49°6", 55°1½" WAS 55°1⅛" PER AS BUILT DIMS A.E.P. DWG #1-5489A-4	NO ACTION REQ'D.
4	3/4/77	Hm/c	AS PER RFC-DC-01-2007 REMOVED VA. FROM SECTION A-A	

D-56A

P.O.#	PIECE MARK
468	I-NSW-69-1
533	-1A
468	-2
	-3

SITE FAB PC. MK. NO 3.
I-NSW-69-L3

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-69 (Sheet 1 of 2)
Upper Containment Ventilation
Unit 4 Return Line

N.P.S. DESIGNS.

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

SIZE	QUAN.	FW
4"	—	1
3"	60'	4
1"	1'	2

A-21 DESIGN SPEC. DCCPM 102QCS
HANGER SEISMIC CLASS II
TEST REQUIREMENTS QL- 1
WELD PROCEDURE
QSL- 01 TESTING N.A.

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

DESIGN SPEC.	SEE
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
R.O.E. = REVEL 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

B = FIELD WELD
O = AUTOMATIC SHOP WELD
M = MANUAL SHOP WELD
# = VERIFY DIMENSION IN FIELD

PIPE													
A-53	A-106 GR. B		A-376		A-312								
STD.	XY	XXY	10	20	30	40	60	80	100	120	140	160	
						X							
SMLS X	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. 1CC
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO
FLOW DIAGRAM 1-2-5114A
Q.S.L. SEE DESIGN
WELD PROCEDURE CODE STAMP

REVISION RECORD		
NO.	DATE	DESCRIPTION

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

DWN. LGR	DATE 7-28-71	CONTAINMENT BLDG	
CKD. GN	DATE 7-31-71	DWG. NO.	REV
ISSUED		I-NSW-69 SH 1 OF 2	4
REF. DWG. 1-5489A			