TOTAL FW

MATERIAL ISO SH NO. 1439

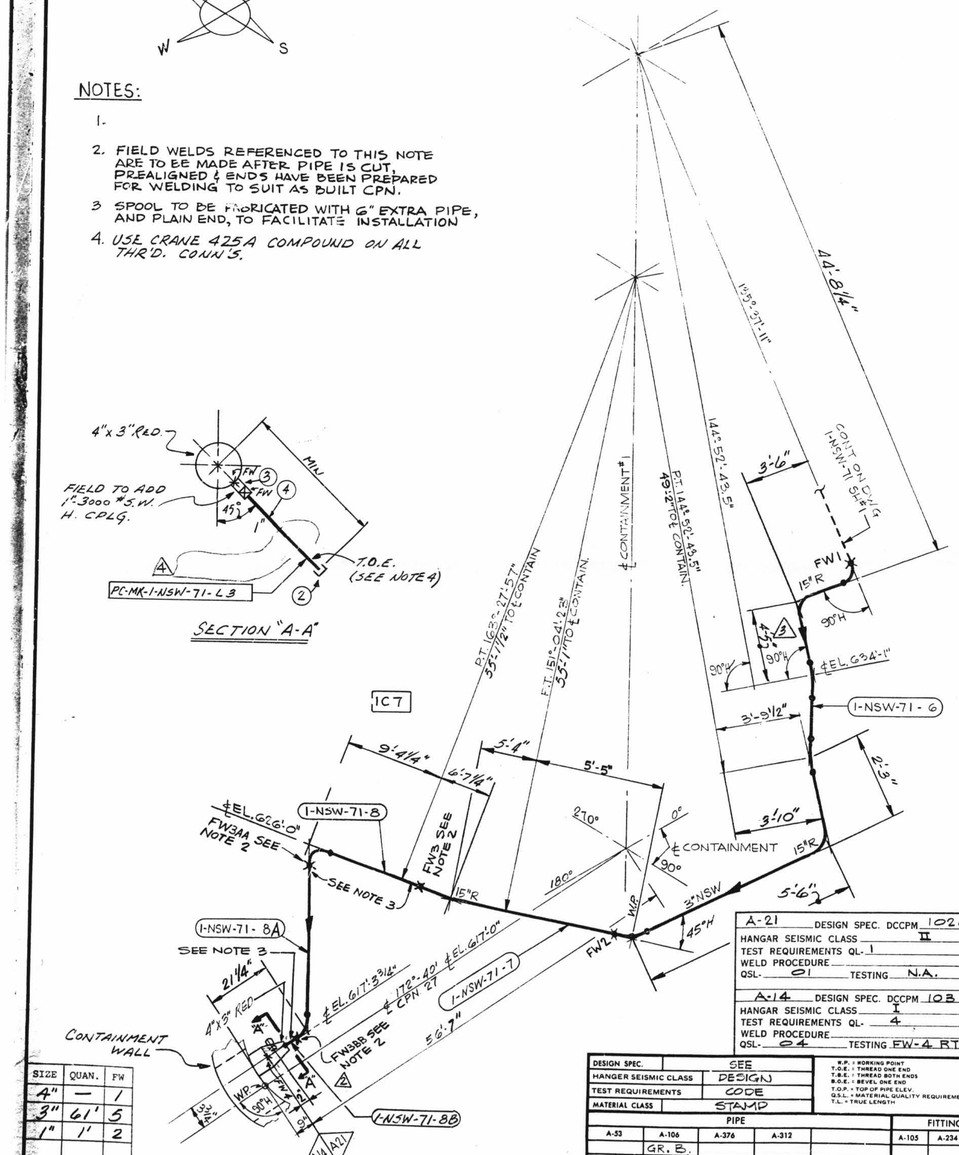
QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01						4
	2	1	1"	3000# THR'D C.S. CAP	A-181 GR. I OR II	
	3	1	1"	3000# S.W. C.S. H. CPLG.	↓	
	4	AS REQD	1"	PIPE (SCH. 80) SMLS. C.S.	A-106 GR B	

N E W S

NOTES:

1.
2. FIELD WELDS REFERENCED TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PREALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS BUILT CPN.
3. SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE, AND PLAIN END, TO FACILITATE INSTALLATION
4. USE CRANE 425A COMPOUND ON ALL THR'D. CONN'S.

SECTION "A-A"



SIZE	QUAN.	FW
4"	—	1
3"	61'	5
1"	1'	2

REV.	DATE	DR. CHK.	DESCRIPTION	REMARKS
1	10/29/71	LGR / GN	REVISED BY N.P.S. DESIGN. ADDED: DESIGN CODE STAMP: PER #1 NOTES 2 & 3 PIECE MARK. 8A & 8B. FW3AA & 3BB. CS 2 TO WELD PROCEDURE RELEASED PIPING AT CPN. DELETED: NOTE #1. REVISED: PIPING TO SUIT AEP COMMENTS ON 1-5489A REV. 0 (DELETED 172°-40'±, 12", 15"R. 55'-0" WAS 55'-1¼"). AS PER AEP ARRGT 1-5489A-0	FIELD ACTION REQ. / FABR ACTION REQD.
2	1/2/73	RJG / LGR	ADDED: SECTION "A-A". NOTE 4. PC-MK-1-NSW-71-L3, ITEMS 1 THRU 4 IN B/M, 2" DIAM. DELETED WELD PROCEDURE & P.O. # 533 WAS 45B, PC. MK. NO. 1-NSW-71-8A WAS 1-NSW-71-8, PER DWG. 1-5489A-3	FIELD ACTION REQD / —
3	10/19/73	LGR / RJG	REVISED BY N.P.S. DESIGNS. ADDED: DIMS. 3'-6", 4'-5", 2'-9", 3'-10", 2'-6", 5'-4", 6'-7 1/4", 9'-4 1/4", 21 1/4", 44'-8 1/4" WAS 45'-0". 3'-9 1/2" WAS 3'-9", 56'-7" WAS 56'-9", 55'-1 1/2" WAS 55'-0", 53'-1" WAS 55'-1 1/2", 49'-2" WAS 49'-6" PER AS BUILT DIMS. A.E.P. DWG. NO. 1-5489A-4	NO ACTION REQD
4	3/4/77	MWC	AS PER RFC-DC-01-2007 REMOVED VA. FROM SECTION A-A.	

P.O.#	PIECE MARK
488	1-NSW-71-6
↓	-7
533	-8
↓	-8A
	-8B

SITE FAB. PC. MK. NO'S.
1-NSW-71-L3

D-57B

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

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

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	

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

A-14 DESIGN SPEC. DCCPM 103 GCN
HANGAR SEISMIC CLASS I
TEST REQUIREMENTS QL- 4
WELD PROCEDURE
QSL- 04 TESTING FW-4 RT. 100%

DESIGN SPEC.	SEE
HANGER SEISMIC CLASS	DESIGN
TEST REQUIREMENTS	CODE
MATERIAL CLASS	STAMP

B.P. = BORING POINT
T.O.E. = THREAD BOTH ENDS
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
R = FIELD WELD
O = AUTOMATIC SHOP WELD
I = MANUAL SHOP WELD
X = 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												

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 FLOW DIAGRAM 1-2-5114A
REQUIRED COMPLETION DATE O.S.L. SEE DESIGN
FABRICATED BY TUBECO WELD PROCEDURE CODE STAMP

REVISION RECORD

NO.	DATE	DESCRIPTION

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

DWN: LGR	DATE: 7-20-71	CONTAINMENT BLDG
CKD: G N	DATE: 7-21-71	DWG. NO. 1-NSW-71 SH. 2 OF 2
ISSUED		REV 4
REF. DWG: 1-5489 A		