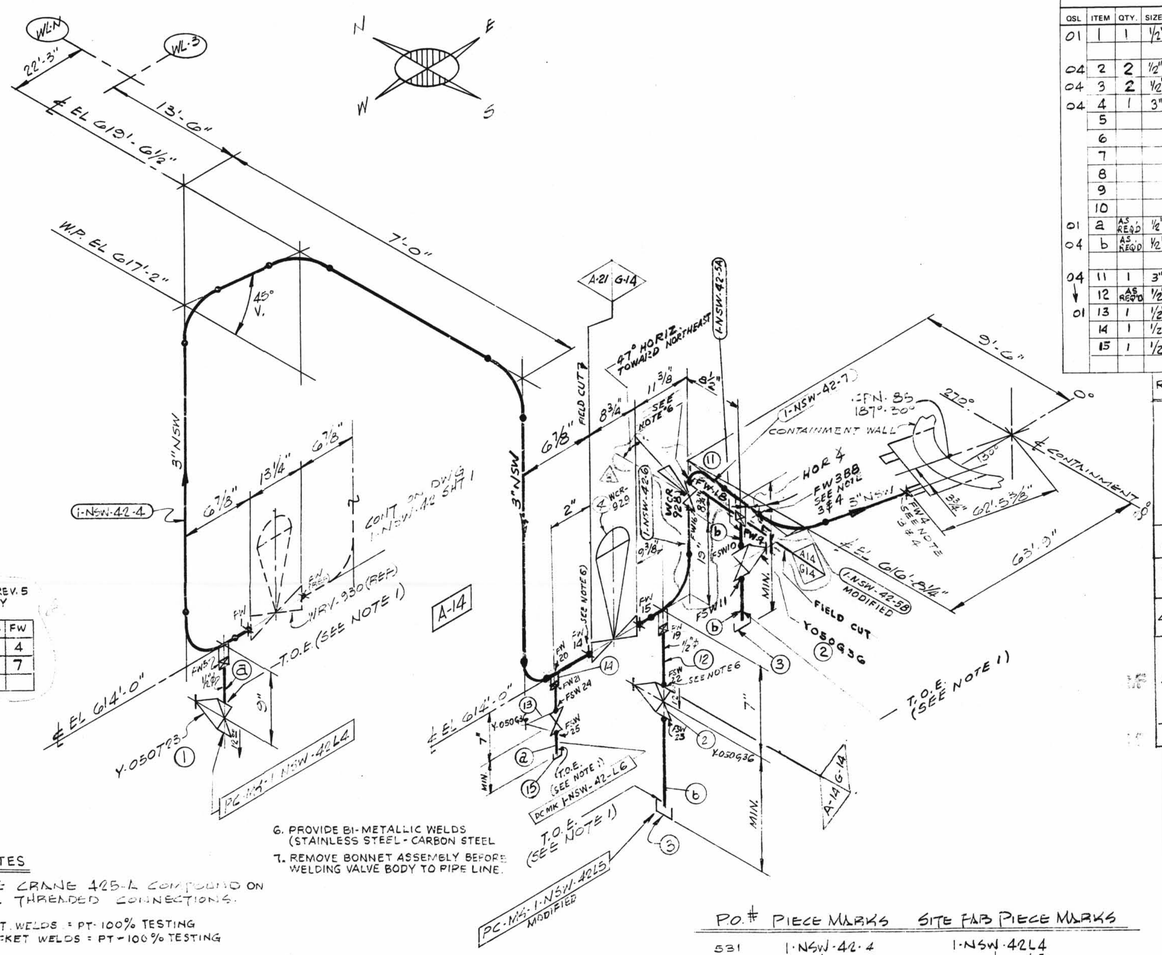
TOTAL FW
13



TOTAL FW 11	FOR REV. 5 ONLY	
SIZE	QUAN.	FW
3"	2'	4
1/2"	1'	7

SIZE	QUAN.	FW
3"	25'-0"	6
1/2"	2'-0"	7

NOTES

1. USE CRANE 425-A COMPOUND ON ALL THREADED CONNECTIONS.
2. BUTT. WELDS = PT-100% TESTING
   SOCKET WELDS = PT-100% TESTING
3. FABRICATOR TO MAKE THIS END OF SPOOL 6 LONGER WITH PLAIN END TO FACILITATE INSTALLATION
4. FW'S PERTAINING TO THIS NOTE ARE MADE AFTER PIPE IS PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS BUILT CPN.
5. PIPE 2" & UNDER CS (LATER)
   PIPE 2 1/2" & UP CS (LATER)

CONTINUED ABOVE.

6. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL - CARBON STEEL
7. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.

MATERIAL 150. SHT No. 1800

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L	HEAT NO.
01	1	1	1/2"	200# BRONZE OR BRASS THREADED GLOBE VALVE	Y050T23	
04	2	2	1/2"	600# C.S. S.W. GATE VA.	Y050936	
04	3	2	1/2"	3000# C.S. THRD CAP	A-181 GR I OR II	
04	4	1	3"	B.W. DIAPH. CONTROL VA. S.S.	WCR-929	
	5					
	6					
	7					
	8					
	9					
	10					
01	a	AS REQ'D	1/2"	PIPE (SCH 80, SMLS) CS	A-106 GR. B	
04	b	AS REQ'D	1/2"	PIPE (SCH. 80, SMLS) CS	A-106 GR. B	
04	11	1	3"	B.W. DIAPH. CONTROL VA. S.S.	WCR-928	
↓	12	AS REQ'D	1/2"	PIPE (SCH. 40S) SMLS. S.S.	A-312 GR. TP-304	
01	13	1	1/2"	600# S.W. C.S. GATE VALVE.	Y-050936	
	14	1	1/2"	3000# C.S. HALF CPLG.	A-181 GR I OR II	
	15	1	1/2"	3000# C.S. SCR'D CAP	↓	

REV.	DATE	DR CHK.	DESCRIPTION	REMARKS
1	5/8/72	S.G. GN	RELEASED: PIPING AT CPN. ADDED: FW; PC MK 5A & 5B; NOTES 3, 4 & 5, P.O.# BOX FOR TOTAL NO. OF FW'S; ITEM 4 REVISED: QTY FOR ITEM 2; NOTE 2; LOCATION OF SPEC CHANGE, DELETED: VALVE, FSW 9 & 10 PER DWG. 1-5497-3 & 1-5497A-3	FIELD ACTION REQ'D FAB. ACTION REQ'D
2	7/14/75	R.A.	REV'D.; ITEM #2 Y050636 WAS CY050636 ~ REVISED BY A.E.P.	NO ACTION REQ'D
3	1-20-76	H.M.	REVISED BY A.E.P. DESIGN PER RFC-DC-12-G71 TO REFLECT AS BUILT WHEN CHECK VALVE WAS ADDED.	NO ACTION REQ'D
4	2/2/78	H.B. LB	PER RFC #12-1430 DELETE ITEM ⑤ & ADDED ITEM ⑥ ⑦ ⑧ ⑨ ⑩ SEE DETAIL "A"	FIELD ACTION REQ'D
5	1/13/82	J.L. DK	PER RFC DC-12-2549. ADDED; PIPE SPEC. G-14, DIA'S, PC. MK'S. 6 & 7, L6 FIELD WELD BOX, NOTES 6 & 7, FW 14 THRU 21, FSW 22 & 23, ITEM NO'S. 11 TO 15 TO B/M. DELETED ITEM NO'S. 6 THRU 10 FROM B/M. REVISED ITEM NO. 4 IN B/M. MODIFIED PC. MK'S. 5B & L5.	FIELD ACTION REQ'D
6	1/28/82	J.H. G.K.	PER RFC DC-12-2549 RELOCATED FIELD CUT AS PER FIELD INFO.	FIELD ACTION REQ'D

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	

P.O.#	PIECE MARKS	SITE FAB PIECE MARKS
531	1-NSW-42-4	1-NSW-42L4
530	↓	L5
	·5	L6
	·5A	
	·5B	
	·6	
	·7	

N.P.S. DESIGNS

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

G-14 DESIGN SPEC. DCCPM 109 GCN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS QL-4
WELD PROCEDURE
QSL-04 TESTING SEE NOTE 2

A-14 DESIGN SPEC. DCCPM 103 GCN
HANGER SEISMIC CLASS I
TEST REQUIREMENTS QL-4
WELD PROCEDURE SEE NOTE 5
QSL-04 TESTING SEE NOTE 2

A-21 DESIGN SPEC. DCCPM 107 GCS
HANGER SEISMIC CLASS
TEST REQUIREMENTS QL-1
WELD PROCEDURE SEE NOTE 5
QSL-01 TESTING N/A

DESIGN SPEC.	SEE
HANGER SEISMIC CLASS	DESIGN
TEST REQUIREMENTS	CODE
MATERIAL CLASS	ATT. MAP

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
FP = FACE OF FLANGE
R = FIELD WELD
O = AUTOMATIC SHOP WELD
X = MANUAL SHOP WELD
B = VERIFY DIMENSION IN FIELD

PIPE														
A-53		A-106		A-376		A-312								
		GR. B				GR. TP-304								
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. A-14
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO

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

REVISION RECORD		
NO.	DATE	DESCRIPTION
7	3/10/82	PER RFC-DC-12-2549 RELOCATED FIELD CUT AS PER F.C. 3/11
8	5/18/82	PER RFC-DC-12-2549 RELOCATED WCR-928 & FIELD CUT 3/4" WAS 10 7/8" & DELETED FW 17 & 18

MF

1NSW-42 (sheet 2 of 2)
Upper Containment Ventilation
Unit 3 Supply Line

LIVSEY & COMPANY, INC.
DONALD C. COOK NUCLEAR PLANT
O.S.L. SEE DESIGN
AUXILIARY BLDG.

DWN. WJP	DATE 9-17-71	DWG. NO.	REV.
CKD. GN	DATE 9-29-71	1-NSW-42	8
ISSUED		SHT 2 OF 2	
REF. DWG. 1-5497			

D-75B