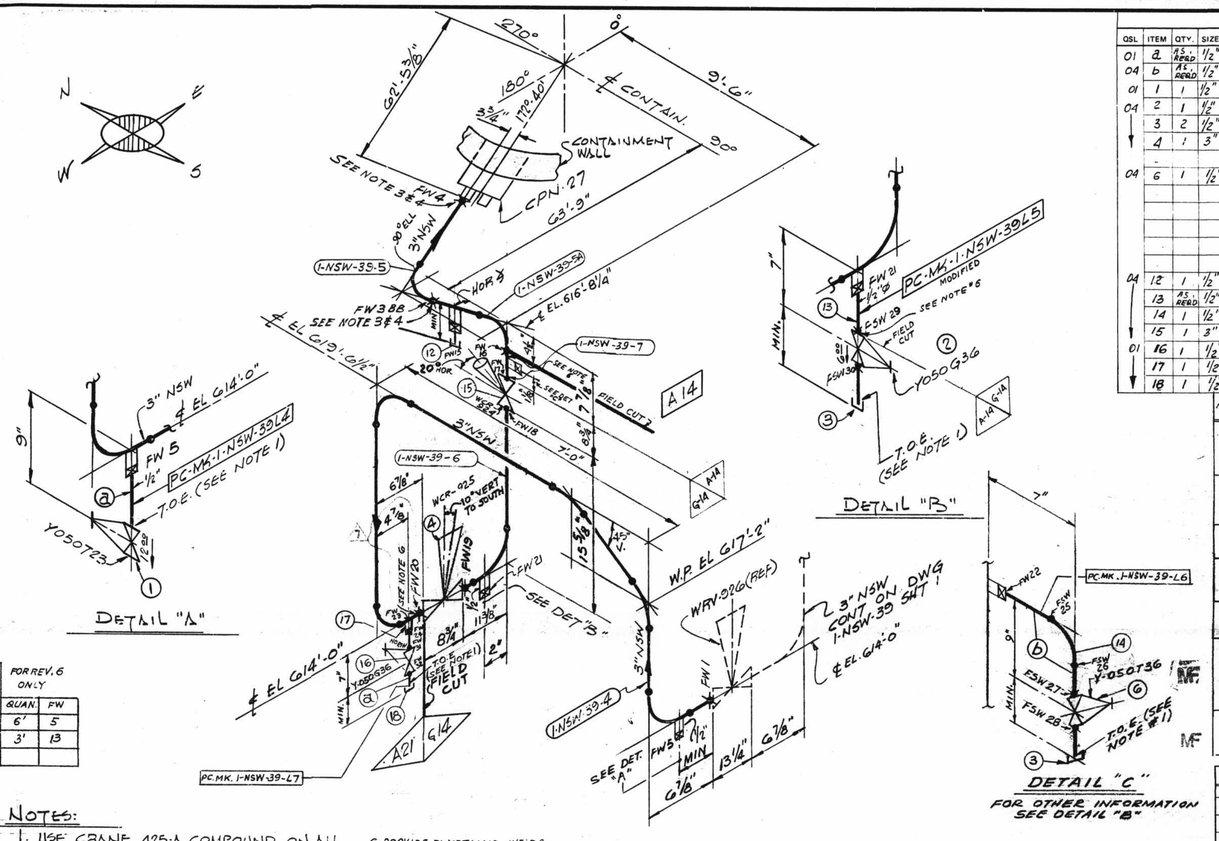
TOTAL FW 14



TOTAL FW 18	FOR REV. 6 ONLY	
SIZE	QUAN.	FW
3"	6'	5
1 1/2"	3'	13

NOTES:

1. USE CRANE 425-A COMPOUND ON ALL THREADED CONNECTIONS
2. BUTTWELDS - RT-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 TO BE MADE AFTER PIPE IS PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS BUILT CPN.
5. CARB. STL. 2" & UNDER
   CARB. STL. 2 1/2" & UP
6. PROVIDE BI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL)
7. REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.

P.O#	PIECE MARKS	SITE FAB PIECE MARKS
506	1-NSW-39-4	1-NSW-39L4
505	-5	L5
533	-5A	L6
	-5B	L7
	-6	
	7	

MATERIAL 150. SHT. NO. 1799

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM-MAT'L.	HEAT NO.
01	a	AS REQ'D	1/2"	PIPE (SMLS, SCH. 80. C.S)	A-106 GR. B	
04	b	AS REQ'D	1/2"	PIPE (SMLS, SCH. 80. C.S)	A-106 GR. B.	
01	1	1	1/2"	200# BRONZE OR BRASS THR'D GLOBE VA.	Y-050T23	
04	2	1	1/2"	600# C.S. S.W. GATE VALVE	Y-050G36	
	3	2	1/2"	3000# C.S. THR'D CAP	A-181 GR I OR II	
	4	1	3"	B.W. DIAPH. CONTROL VA. S.S.	WCR-925	
04	6	1	1/2"	C.S. S.W. GLOBE VALVE	Y-050T36	
04	12	1	1/2"	3000# C.S. S.W. CAP	A-181 GR I OR II	
	13	AS REQ'D	1/2"	PIPE (SCH. 40 S) SMLS. S.S.	A-312 GR TP 304	
	14	1	1/2"	3000# S.W. C.S. 90° ELL.	A-181 GR I OR II	
	15	1	3"	B.W. DIAPH. CONTROL VA. S.S.	WCR-924	
01	16	1	1/2"	600# S.W. GATE VALVE C.S.	Y-050G36	
	17	1	1/2"	3000# C.S. HALF CPLG.	A-181 GR I OR II	
	18	1	1/2"	3000# C.S. THR'D. CAP		

REV.	DATE	DR. CHK	DESCRIPTION	REMARKS
1	11/30/71	S.G. GN	RELEASED PIPING AT CPN. ADDED: FW3AA (3BB; PC MK 5A (5B; ITEM 4; P.O. #; NOTES 3,4&5; TOTAL NO. OF FW; WELD PROCEDURE REV: NOTE 2. PER DWG 1-5497-3	FIELD ACTION REQ'D / FAB. ACTION REQ'D
2	3/8/72	RG DB	DELETED: DRAIN VALVE CY050G36, WELD PRO-CEDURE NOTE, PER DWG 1-5497-4	FIELD ACTION REQ'D
3	7/14/75	P.A.	REV'D.; ITEM # 2 Y050G36 WAS CY050G36 - REV'D BY A.E.P.	NO ACTION REQ'D
4	1-20-76	H.M.	REVISED BY AEP DETAILS PER RFC-DC112-GT170 REFLECT AS BUILT WHEN CHECK VALVE WAS ADDED.	[illegible] REQ'D
5	2/3/78	H.B. L.B.	PER RFC 77-1430 DELETE ITEM 9 & ADDED ITEMS 10 9 12 11 SEE DETAIL "D"	FIELD ACTION REQ'D
6	1/13/82	K.A. DR	PER RFC DC-12-2549 ADDED: PIPE (DEC. G-14, DIM'S, PC.MK. 6, 7 & L6 & L7, WELD BOX, NOTES 6 & 7, FIELD WELDS FW 18 TO 24, FW 25 THRU 32; ITEM NO'S 12 THRU 17 TO 6 & 7; REVISED ITEM NOS. 2 & 4 TO 1 & 2, MODIFIED PC MK L5.	FIELD ACTION REQ'D
7	3/10/82	J.M. E.G.	PER RFC DC-12-2549 RELOCATED DR. VA. #16	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	

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

N.P.S. DESIGNS

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

SIZE	QUAN.	FW
3	24'	7
1/2	2'	4

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

A-21 DESIGN SPEC. DCCPN 102GCS
HANGAR SEISMIC CLASS I
TEST REQUIREMENTS QL 1
WELD PROCEDURE SEE NOTE 5
QSL 01 TESTING N/A

DESIGN SPEC.	SEE DESIGN
HANGER SEISMIC CLASS	
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.P. = TOP OF PIPE ELEV.
U.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
FF = To FACE OF FLANGE

⊠ = FIELD WELD
O = AUTOMATIC SHOP WELD
● = MANUAL SHOP WELD
⊗ = 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	
						☒							
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 TUPSCO

FLOW DIAGRAM V-F-5141
Q.S.L. SEE DESIGN
WELD PROCEDURE CODE STAMP

REVISION RECORD

NO.	DATE	DESCRIPTION

1NSW-39 (sheet 2 of 2)
Upper Containment Ventilation
Unit 2 Supply Line

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

DWN. WJP	DATE 4-17-71	AUX BLDG.	
CKD. GN	DATE 4-21-71	DWG. NO. 1-NSW-39	
ISSUED		SHT. 2 OF 2	
REF. DWG. 1-5497			

D-74B