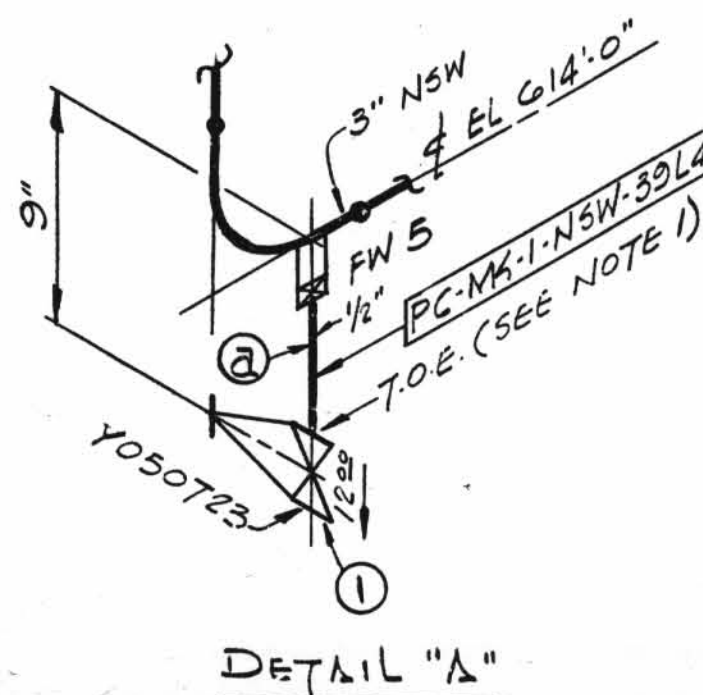
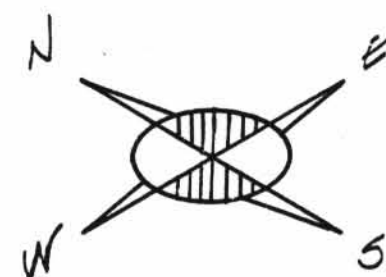


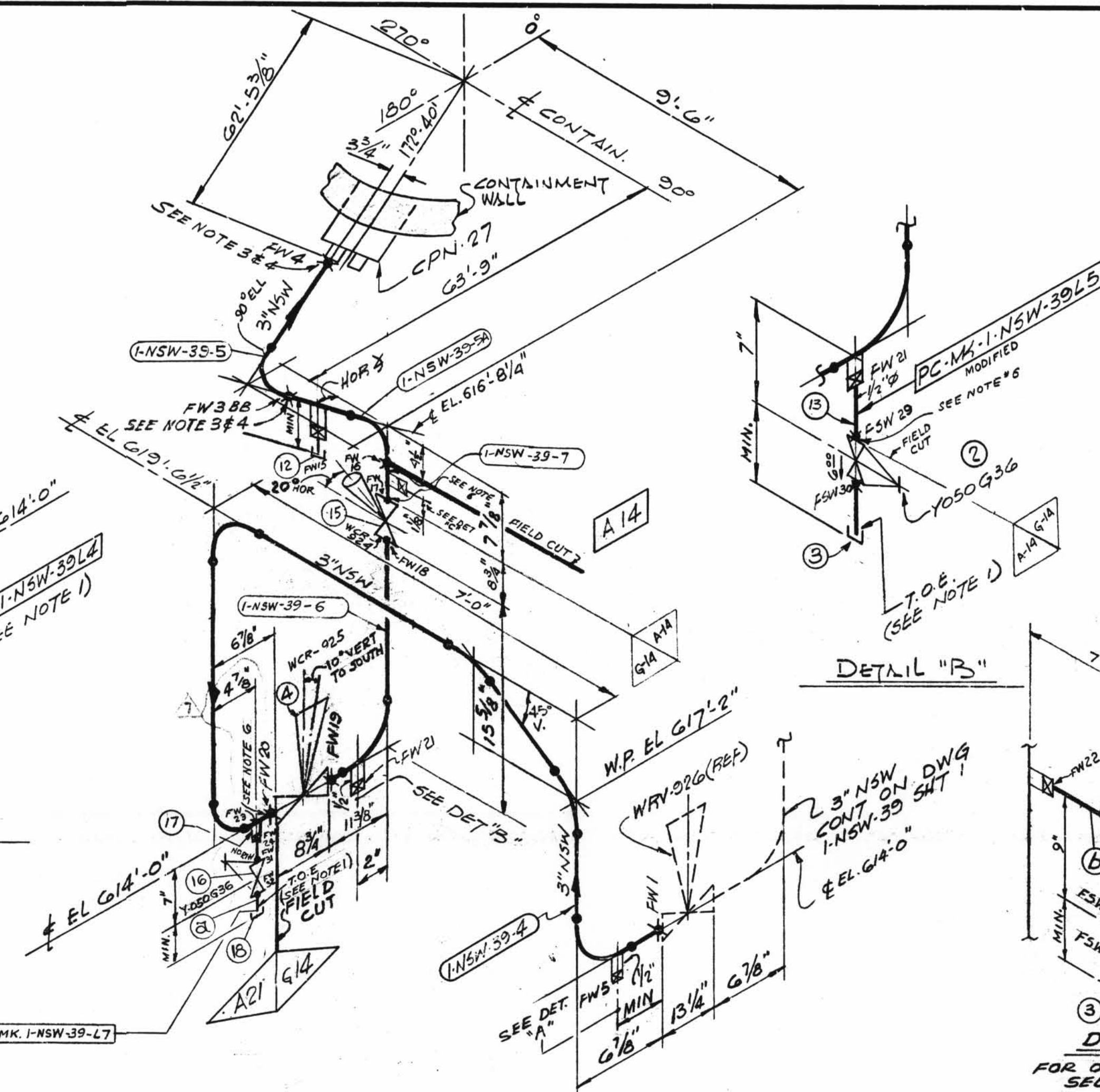
TOTAL
FW
14



SIZE	QUAN.	FW
3"	6'	5
1/2"	3'	13

NOTES:

- USE CRANE 425-A COMPOUND ON ALL THREADED CONNECTIONS.
- BUTTWELDS-RT-100% TESTING
SOCKETWELDS-PT-100% TESTING.
- FABRICATOR TO MAKE THIS END OF SPOOL 6" LONGER WITH PLAIN END TO FACILITATE INSTALLATION.
- FWS PERTAINING TO THIS NOTE ARE TO BE MADE AFTER PIPE IS PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS BUILT CPN.
- CARB. STL. 2" UNDER
CARB. STL. 2 1/2" UP
- PROVIDE BI-METALLIC WELDS (STAINLESS STEEL-CARBON STEEL)
- REMOVE BONNET ASSEMBLY BEFORE WELDING VALVE BODY TO PIPE LINE.



DETAIL "B"

DETAIL "C"
FOR OTHER INFORMATION
SEE DETAIL "B"

P.O.# PIECE MARKS SITE FAB. PIECE MARKS

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	

N.P.S. DESIGNS

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

OSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG NO. OR ASTM MAT'L.	HEAT NO.
01	2	AS REQD	1/2"	PIPE (SMLS, SCH. 80, C.S.)	A-106 GR. B	
04	1	AS REQD	1/2"	PIPE (SMLS, SCH. 80, C.S.)	A-106 GR. B	
01	1	1	1/2"	200# BRONZE OR BRASS THRD GLOBE VA.	Y-050723	
04	2	1	1/2"	600# C.S. S.W. GATE VALVE	Y-050436	
	3	2	1/2"	3000# C.S. THRD CAP	A-181 GR 100 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-050736	
04	12	1	1/2"	3000# C.S. S.W. CAP	A-181 GR 100 II	
13	AS REQD	1/2"	PIPE (SCH. 40 S.) SMLS. S.S.	A-312 GR TP-304		
14	1	1/2"	3000# S.W. C.S. 90° EL.	A-181 GR 100 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-050436	
17	1	1/2"	3000# C.S. HALF CPLG.	A-181 GR 100 II		
18	1	1/2"	3000# C.S. THRD. CAP			

REV.	DATE	DR. CHK.	DESCRIPTION	REMARKS
1	11/30/71	GN	RELEASED PIPING AT CPN. ADDED: FWS 3A, 13BB, PC-MK 5A, 15B; ITEM 4; P.O. #; NOTES 3, 4, 5; TOTAL NO. OF FW; WELD PROCEDURE REV: NOTE 2. PER DWG 1-5497-3	FIELD ACTION REQD
2	3/8/72	RK	DELETED: DRAIN VALVE Y-050436, WELD PROCEDURE NOTE PER DWG 1-5497-4	FIELD ACTION REQD
3	7/14/75	RA	REV'D; ITEM 2, Y-050436 WAS CY050436 REV'D BY A.E.P.	NO ACTION REQD
4	12/76	W.M.	REVISED BY A.E.P. DESIGN PER DWG-DC112-67770. SELECT 15-BONNET WHEN CHECK VALVE WAS ADDED.	
5	2/2/78	H.B.	PER RFP#12-1430 DELETE ITEM 3 & ADDED ITEM 7, 8, 9, 10, 11. SEE DETAIL "D"	FIELD ACTION REQD
6	1/13/82	K.A.	PER RFP#12-2549 ADDED: PIPE SPEC. G-4, DIM. 1, PC-MK 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. WELD BOX, NOTES 66, 7, FIELD WELLS FW/ST024, FSW 25THRU 32, ITEM 12 THRU 18 TO 24/M, REVISED. ITEM NOS. 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. REVISED.	FIELD ACTION REQD
7	3/10/82	J.M. E.G.	PER REC. DC112-2549 RELOCATED DR. VA. 16	FIELD ACTION REQD

LABOR COST CONTROL		LABOR COST CONTROL	
USE ONLY WITH		USE ONLY WITH	
PIPE SIZE		PIPE SIZE	
SCHEDULE		SCHEDULE	
TYPE		TYPE	
ISO START DATE		ISO START DATE	
ISO FINISH DATE		ISO FINISH DATE	
WORK OPERATION	LINE ITEM NUMBER	WORK OPERATION	LINE ITEM NUMBER
HANGER INST.		HANGER INST.	
ERECT		ERECT	
WELD		WELD	
RADIO-G - X-RAY		RADIO-G - X-RAY	
STRESS RELIEVE		STRESS RELIEVE	
MISC. WORK		MISC. WORK	

A-14 DESIGN SPEC. DCCPM 109QCN		DESIGN SPEC. SEE	
HANGER SEISMIC CLASS	I	HANGER SEISMIC CLASS	DESIGN
TEST REQUIREMENTS QL	4	TEST REQUIREMENTS	CODE
WELD PROCEDURE	SEE NOTE 6	MATERIAL CLASS	STAMP
QSL	04	TESTING	SEE NOTE 2
A-21 DESIGN SPEC. DCCPM 102QCS		DESIGN SPEC. SEE	
HANGER SEISMIC CLASS	II	HANGER SEISMIC CLASS	DESIGN
TEST REQUIREMENTS QL	I	TEST REQUIREMENTS	CODE
WELD PROCEDURE	SEE NOTE 6	MATERIAL CLASS	STAMP
QSL	01	TESTING	N/A

POUR/ZONE No. A-14		FLOW DIAGRAM 1-5114A	
REQUIRED COMPLETION DATE	10/80	Q.S.L. SEE DESIGN	WELD PROCEDURE CODE STAMP
FABRICATED BY	TUBECO		
REVISION RECORD		LIVSEY & COMPANY, INC.	
NO.	DATE	DESCRIPTION	
1	10/80	1NSW-39 (sheet 2 of 2)	
2	10/80	Upper Containment Ventilation	
3	10/80	Unit 2 Supply Line	