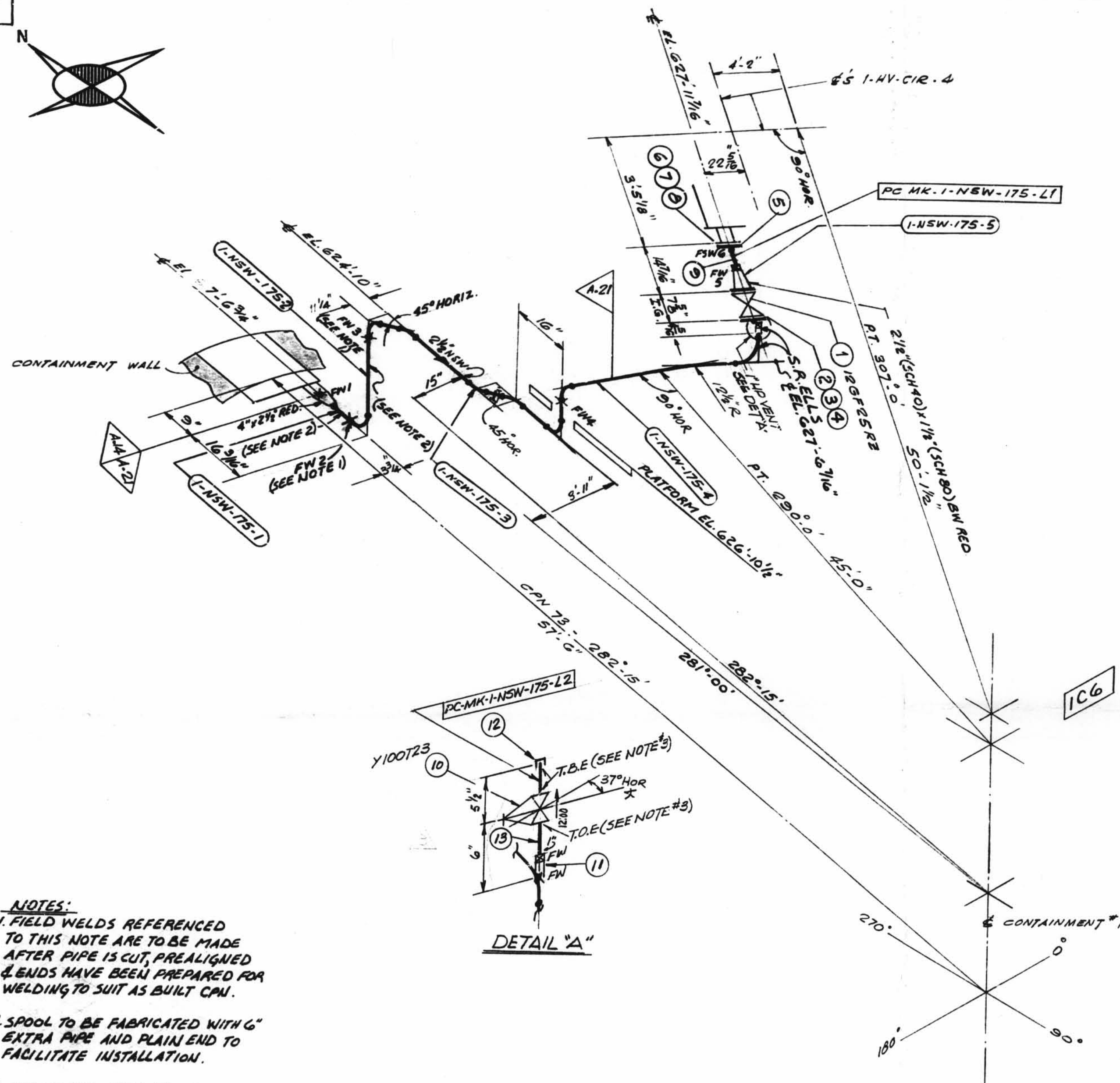
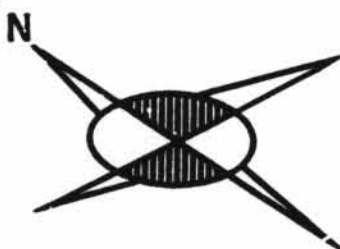


TOTAL  
FW

## NOTES:

1. 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 CPU.
2. SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE AND PLAIN END TO FACILITATE INSTALLATION.
3. USE CRANE 425-A COMPOUND OR GRINNELL 1698 ON ALL THREADED CONNS.

DETAIL "A"

SITE FAB. PIECE MARK

1-NSW-175-L1  
1-NSW-175-L2

P.O.# PIECE MARK

1-NSW-175-1  
-2  
-3  
-4  
-5

1-NSW-175

Instrument Room Ventilation  
Unit 4 Supply Line

SIZE	QUAN.	FW
4	1	1
2 1/2	33	3
1 1/2	1	1
1	1	2

A-14	DESIGN SPEC. DCCPM 103 QCN
HANGER SEISMIC CLASS	I
TEST REQUIREMENTS QL	E
WELD PROCEDURE	QSL-24
TESTING	100% R.T. & N.
A-21	DESIGN SPEC. DCCPM 102 QCS
HANGER SEISMIC CLASS	N/A
TEST REQUIREMENTS QL	N/A
WELD PROCEDURE	QSL-21
TESTING	N/A

DESIGN SPEC.		SEE									
HANGER SEISMIC CLASS		DESIGN									
TEST REQUIREMENTS		CODE									
MATERIAL CLASS		STAMP									
PIPE											
A-33		A-106		A-376				A-312			
		GR. B									
STD.	XY	XXY	10	20	30	40	60	80	100	120	140
SMLS		WLD									

R.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 O.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 R.O.P. = BOTTOM OF PIPE ELEV.			
FITTINGS				
A-105	A-234	A-182	N.D.T. <i>560</i>	
			M.T.	P.T.
0	120	140	160	
A-403	A-181		PRESSURE TEST	
			MED.	

F W = FIELD WELD	H = HORIZONTAL	V = VERTICAL	SW = SHOP WELD	FW = FIELD SHOP WELD	B = FIELD WELD	O = AUTOMATIC SHOP WELD	M = MANUAL SHOP WELD	D = VERIFY DIMENSION IN FIELD
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TESTING		ADDITIONAL	
DESIGN CODE STAMP			
R.T.	U.T.		
PRESS.	DURATION		

POUR/ZONE No. <u>106</u> REQUIRED COMPLETION DATE _____ FABRICATED BY <u>TUBECO</u>
NPS DESIGNS INC. NEW YORK, N.Y.
FABRICATOR NOTE: FABRICATION MUST CONFORM TO LATEST A.E.P. ARRG DWGS

FLOW DIAGRAM 1-2-511A	
O.S.L. SEE DESIGN	
WELD PROCEDURE CODE STAMP.	
LIVSEY & COMPANY, INC.	
INDIANA & MICHIGAN ELECTRIC CO.	
DONALD C. COOK NUCLEAR PLANT	
DWYN. NO.	DATE: 6-9-72
CONTAINMENT BLDG.	
CKD: WP	DATE: 7-7-72
DWG. NO.	REV.
1-NSW-175	3
ISSUED	

POUR/ZONE No. 106

FLOW DIAGRAM 1-2-511A  
REQUIRED COMPLETION DATE  
FABRICATED BY TUBECONPS DESIGNS INC.  
NEW YORK, N.Y.FABRICATOR NOTE:  
FABRICATION MUST  
CONFORM TO LATEST  
A.E.P. ARRG. DWGS.LIVSEY & COMPANY, INC.  
INDIANA & MICHIGAN ELECTRIC CO.  
DONALD C. COOK NUCLEAR PLANTDWG. NO. 1-NSW-175  
REV. 3  
REF. DWG. 1-5702

					ISO SHT. NO.	2702
QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG NO. OR ASTM MAT'L	HEAT NO.
01	1	1	2 1/2"	125" C.I. FLGD GATE VA.	126F25R2	
	2	2	2 1/2"	1/8" THK. FULL FACE COMP. ASBESTOS RUBBER BONDED GASKET		
	3	8	5/8"	3" LG. HEX. HD. MACH. BOLT	4-307 GR. B	
	4	8	5/8"	HEAVY HEX. NUT CL 2 TOL.		
	5	1	1 1/2"	150" R.F.S.W. FLG.	A-181 GR. FOR II	
	6	4	1/2"	2 1/2" LG. HEX. HD. MACH. BOLT	4-307 GR. B	
	7	4	1/2"	HEAVY HEX. NUT CL 2 TOL.		
	8	1	1 1/2"	1/8" THK FULL FACE COMP. ASBESTOS RUBBER BONDED GASKET		
	9	AS REQD	1 1/2"	PIPE (SCH. 80) SMLS. C.S.	A-106 GR. B	
	10	1	1"	200" THD GLOBE VALVE BRONZE OR BRASS	Y100T23	
	11	1	1"	3000" SW C.S. ELBOLET	A-181 GR. FOR II	
	12	1	1"	3000" THD C.S. CAP	A-181 GR. FOR II	
	13	AS REQD	1"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B	
						</

REVISION RECORD				REMARKS
NO.	DATE	BY	CHK.	DESCRIPTION
1	8-1-72	J.Q.	WP	REVISED BY N.P.S. DESIGNS. EL. 627.0' WAS EL. 627.10' 1/2" 16' 1/2" WAS 17' ADDED S.A. ELLS. A.E.P. ARRG. DWG. 1-3702-4
2	3/20/73	J.Q.	LGR	REVISED BY N.P.S. DESIGNS. ADDED ITEMS 10 THRU 13 TO B.M. LIVSEY SPOOL 1-NSW-175-L2, DETAIL "A" NOTE #3 TO SUIT A.E.P. ARRG. DWG. 1-5702 REV. 7
3	2/14/79	SCOTT	ED	ADDED 6 1/2" DIM. TO LOCATE VLV. Y-100T23 & DET. A PER RFG-DC-12-2141 (AS-BUILT)