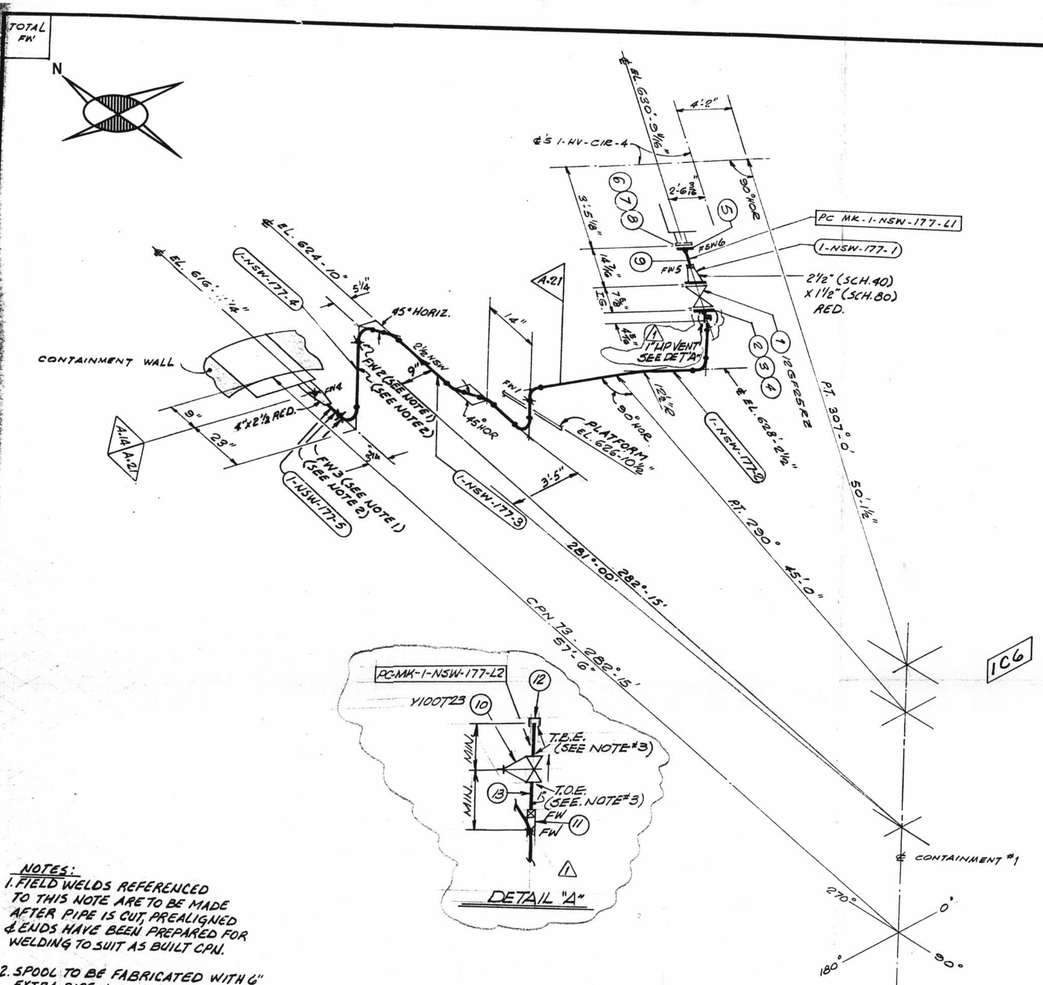

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	1	2 1/2"	125# C.I. FLGD. GATE VA.	16GF25R2	
	2	2	2 1/2"	1/16" THK. FULL FACE COMP. ASBESTOS RUBBER BONDED GASKET		
	3	8	5/8" @	3" LG. HEX. HD. MACH. BOLT	A-307 GR. B	
	4	8	5/8"	HEAVY HEX. NUT CL. 2 TOL.	↓	
	5	1	1 1/2"	150# R.F. S.W. FLG.	A-181 GR. I OR II	
	6	4	1 1/2" @	2 1/4" LG. HEX. HD. MACH. BOLT	A-307 GR. B.	
	7	4	1 1/2"	HEAVY HEX. NUT CL. 2 TOL.	↓	
	8	1	1 1/2"	1/16" THK. FULL FACE COMP. ASBESTOS RUBBER BONDED GASKET		
	9	AS REQ'D	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. I OR II	
	12	1	1"	3000# THD C.S. CAP	A-181 GR. I OR II	
	13	AS REQ'D	1"	PIPE (SCH. 80) SMLS C.S.	A-106 GR. B	

ISO SHT. NO. 2704

REVISION RECORD				
NO.	DATE	DR. CHK.	DESCRIPTION	REMARKS
1	5/20/76	JQ / LYR	REVISED BY N.P.S. DESIGNS ADDED ITEMS 10 THRU 13, TO P/M LIVSEY SPOOL 1-NSW-177-L2, DETAIL "A" NOTE #3 TO SUIT A.E.P. ARRGT DWG 1-5702 REV. 7	FIELD ACTION REQ'D

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 CPN.
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 CONN'S.

SITE FAB. PIECE MARK
1-NSW-177-L1
1-NSW-177-L2

P.O.#	PIECE MARK
1-NSW-177-1	
	-2
	-3
	-4
	-5

D-63

1-NSW-177
Instrument Room Ventilation
Unit 4 Return Line

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

A.14 DESIGN SPEC. DCCPM 103 QCN
HANGAR SEISMIC CLASS I
TEST REQUIREMENTS QL 4
WELD PROCEDURE
QSL 04 TESTING 100% R.T. & N.
A.21 DESIGN SPEC. DCCPM 102 QCE
HANGAR SEISMIC CLASS II
TEST REQUIREMENTS QL N/A
WELD PROCEDURE
QSL 01 TESTING N/A.

DESIGN SPEC.	SEE
HANGER SEISMIC CLASS	DESIGN
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.
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
B.O.E. = BEVEL ONE END
B.O.P. = BOTTOM OF PIPE ELEV.
FW = FIELD WELD
H = HORIZONTAL
V = VERTICAL
SW = SHOP WELD
FSW = FIELD SHOP WELD
■ = FIELD WELD
O = AUTOMATIC SHOP WELD
• = MANUAL SHOP WELD
⊗ = VERIFY DIMENSION IN FIELD

PIPE													
A-53		A-106 GR. B			A-376		A-312						
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. 106
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO
FLOW DIAGRAM 1-2-5114 A
Q.S.L. SEE DESIGN
WELD PROCEDURE CODE STAMP.

NPS DESIGNS INC.
NEW YORK, N.Y.

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

LIVSEY & COMPANY, INC.
INDIANA & MICHIGAN ELECTRIC CO.
DONALD C. COOK NUCLEAR PLANT

DWN. SG.	DATE 6-10-72	CONTAINMENT BLDG.	
CKD. WP	DATE 7-5-72	DWG. NO. 1-NSW-177	REV. 1
ISSUED			
REF. DWG. 1-5702			