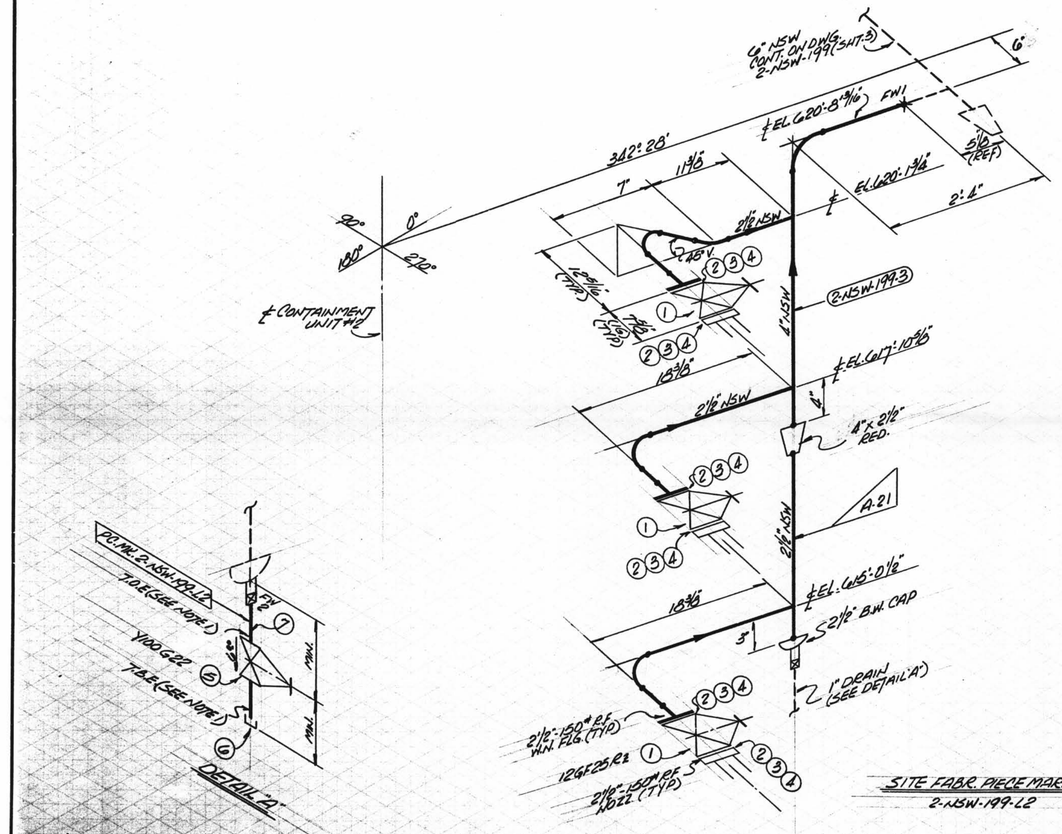
TOTAL FW 2

ISO SHT. NO. 3459

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	3	2 1/2	125# C.I. FLG'D. GATE VA.	12GF25R2	
	2	24	5/8	3" LG. HEX HD. MACH. BOLTS	A-307 GR.B	
	3	24	5/8	HEAVY HEX NUTS (CL2. TOL)		
	4	6	2 1/2	1/16 THK. 150# COMP. ASB. GASKET		
	5	1	1"	150# THD. GATE VA. BRONZE OR BRASS	Y100G22	
	6	1	1"	3000# C.S. THD. CAP	A-181 GR. I OR II	
	7	AS REQ'D	1"	PIPE (SCH. 80) SMLS. C.S.	A-106 GR.B	

REVISION RECORD

NO.	DATE	DESCRIPTION



SITE FABR. PIECE MARKS	P.O.#	PIECE MARKS
2-NSW-199-L2	74	2-NSW-199-3

D-15B

NOTE
1) USE CRANE 425-A COMPOUND OR GRINNELL 1698 ON ALL THREADED CONNS.

SIZE	QUAN.	FW
4"	5	1
2 1/2"	11	1
1	1	1

2-NSW-199 (Sheet 2 of 3)
Lower Containment Ventilation
Unit 4 Return Line

DESIGN SPEC.	DCCPM102 QCS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	N/A
MATERIAL CLASS	A-21 SPEC. 104

G.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
B = FIELD WELD
O = AUTOMATIC SHOP WELD
M = MANUAL SHOP WELD
V = VERIFY DIMENSION IN FIELD

PIPE														
A-53		A-106		A-376		A-312								
		GR.B												
STD.	XY	XXY	10	20	30	40	60	80	100	120	140	160		
						X								
SMLS		WLDD												
X														

FITTINGS		
A-105	A-234	A-182
A-403	A-181	

TESTING				
N.D.T.	N/A			
M.T.	P.T.	R.T.	U.T.	
PRESSURE TEST				
MED.	PRESS.	DURATION		

ADDITIONAL

POUR/ZONE No. 2C6
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO
FLOW DIAGRAM 1-2-5114A
Q.S.L. 01
WELD PROCEDURE

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: AM DATE: 5-25-73
CKD: WP DATE: 6-1-73
ISSUED
REF. DWG. 2-5692

CONTAINMENT #2
DWG. NO. 2-NSW-199 (SHT. 2 OF 3)
REV.