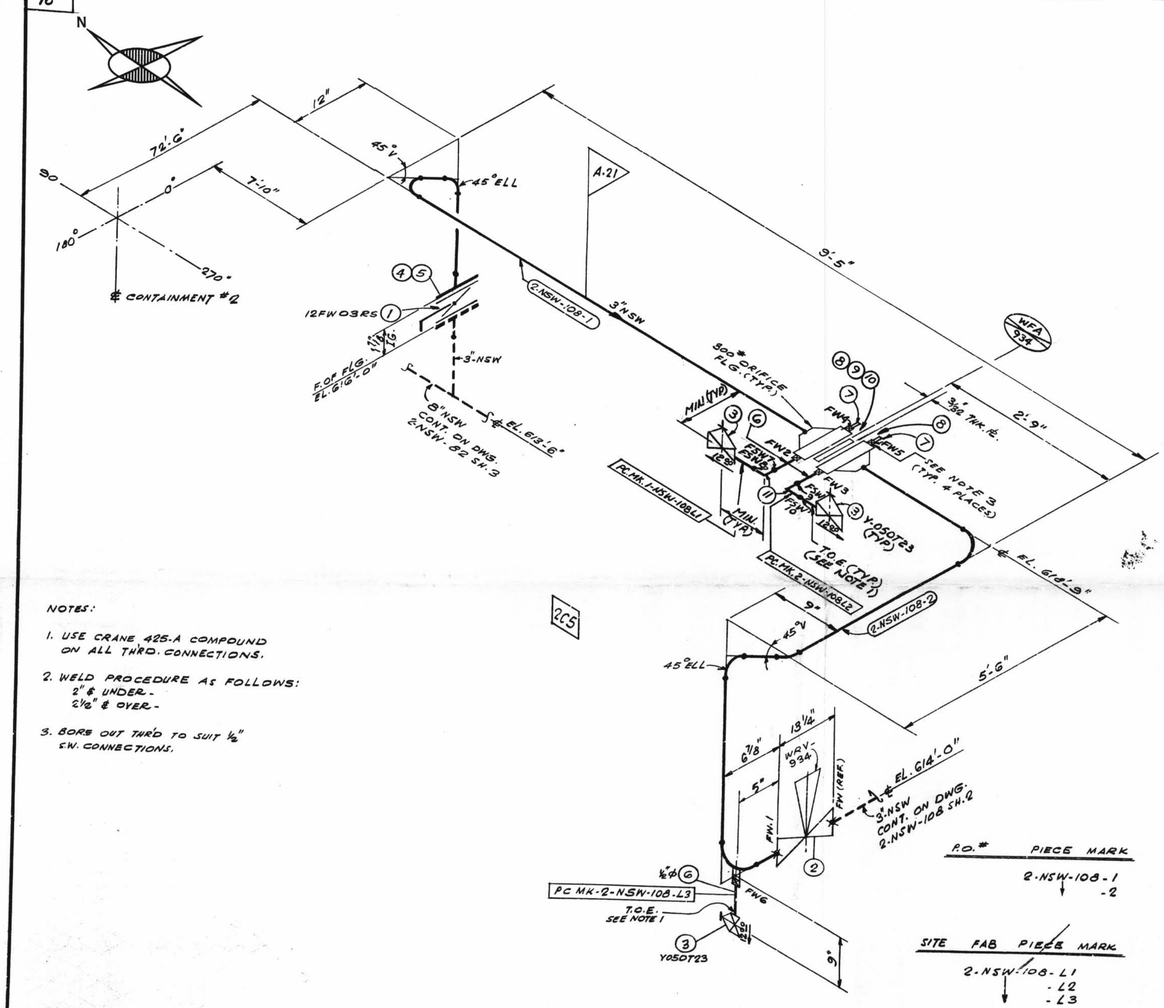
TOTAL FW 10



NOTES:

1. USE CRANE 425-A COMPOUND ON ALL THRD. CONNECTIONS.
2. WELD PROCEDURE AS FOLLOWS:
   2" ℄ UNDER -
   2 1/2" ℄ OVER -
3. BORE OUT THRD TO SUIT 1/16" F.W. CONNECTIONS.

ISO SHT. NO. 2110

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	1	3"	125# C.I. WAFER BUTTERFLY VA	12FW03RS	
	2	1	3"	B.W. REGULATING VALVE	WRY-934	
	3	3	1/2"	200# THRD GLOBE VA. BRONZE OR BRASS	Y050T23	
	4	4	5/8"ϕ	5" LG. HEX. HD. MACH. BOLT	A-307 GR. B	
	5	4	5/8"	HEAVY HEX. NUT. CL 2 TOL.	↓	
	6	AS REQ'D	1/2"	PIPE (SCH. 80) SMLS CS	A-106 GR. B	
	7	2	1/2"	3000# C.S. SW PLUG	A-181, GR. I OR II	
	8	2	3"	1/16" THK. FLEXITALLIC GSKT. 300#	TYPE 304	
	9	8	3/4"ϕ	4 1/4" LG. STUD BOLTS	A-193 GR. B7	
	10	16	3/4"ϕ	HEAVY HEX NUTS	A-194 GR. 2H	
	11	2	1/2"	3000# C.S. SW 90° ELL	A-181 I OR II	

REVISION RECORD

NO.	DATE	DESCRIPTION

P.O. #	PIECE MARK
	2-NSW-108-1
	-2

SITE FAB	PIECE MARK
	2-NSW-108-L1
	-L2
	-L3

D-22A

SIZE	QUAN.	FW
3	22	1
1/2	2	9

DESIGN SPEC. DCCPM 102 QC5
HANGER SEISMIC CLASS I
TEST REQUIREMENTS N/A
MATERIAL CLASS A-21 SPEC. 104

R.F. = RAISED FOCUS
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
G.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. = SOCKET 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.	N/A.			
M.T.	P.T.	R.T.	U.T.	
PRESSURE TEST				
MED.	PRESS.	DURATION		

ADDITIONAL

POUR/ZONE No. 2C5
REQUIRED COMPLETION DATE
FABRICATED BY TUBECO
FLOW DIAGRAM 1-4-5114A
Q.S.L. 01
WELD PROCEDURE SEE NOTE 2

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: 8-6-71
CKD. LdB DATE: 8/9/72
ISSUED
REF. DWG. 2-5497A

CONTAIN. VICINITY.
DWG. NO. 2-NSW-108 SH. 1 OF 2.
REV.

2NSW-108 (sheet 1 of 2)
Upper Containment Ventilation
Unit 4 Supply Line