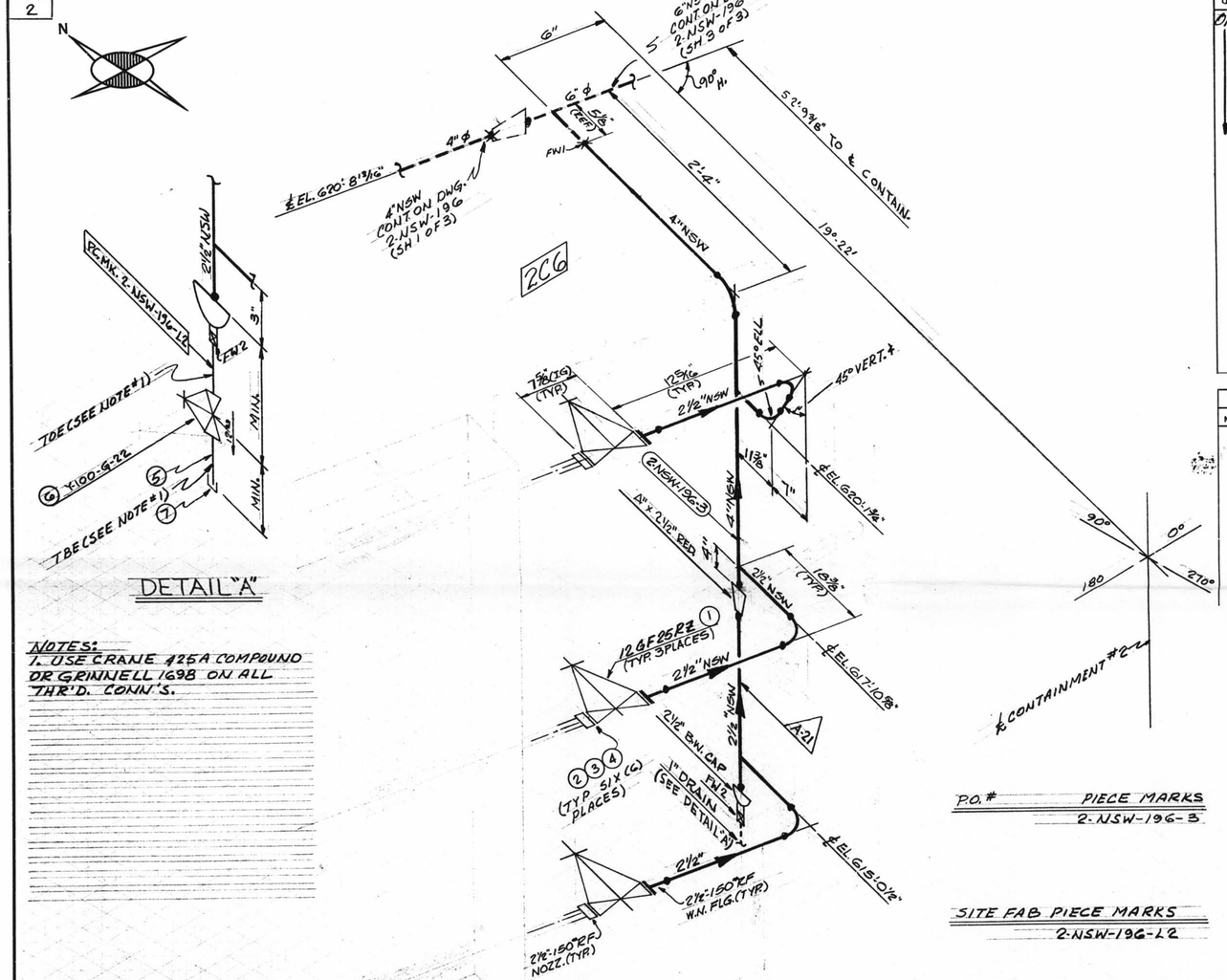
TOTAL FW 2

ISO SHT. NO. 3450

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	3	2½"	125# C.I. FLG'D GATE VA.	12GF25RZ	
	2	6	2½"	1/16" THK. 150# COMP. ASB. GASKET		
	3	24	5/8"ϕ	3" LG. HEX. HD. MACH. BOLT	A-307 GR. B	
	4	24	5/8"ϕ	HEAVY HEX NUT (CLASS 2 TOL.)	" "	
	5	AS REQ'D	1"	PIPE (SCH. 80) SMLS C.S.	A-106, GR B	
	6	1	1"	150# THR'D GATE VA. BRONZE OR BRASS	Y-100-G 22	
	7	1	1"	3000# C.S. THR'D. CAP	A-181 GR I OR II	

REVISION RECORD

NO.	DATE	DESCRIPTION



NOTES:
1. USE CRANE 425A COMPOUND OR GRINNELL 169B ON ALL THR'D. CONN'S.

P.O. # PIECE MARKS
2-NSW-196-3

SITE FAB PIECE MARKS
2-NSW-196-L2

SIZE	QUAN.	FW
4"	5"	1
2½"	11"	2
1"	1"	1

D-12B

2-NSW-196 (Sheet 2 of 3)
Lower Containment Ventilation
Unit 1 Return Line

DESIGN SPEC.	DCCPM102QCS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	N/A
MATERIAL CLASS	A-21 SPEC. 104

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
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
S = 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 F-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. W.J.P.	DATE: 5/25/73	CONTAIN. BLD'G #2	
CKD. AH	DATE: 6-26-73	DWG. NO. 2-NSW-196	REV.
ISSUED			
REF. DWG. 2-5692, 2-5698A		SH. 2 OF 3	