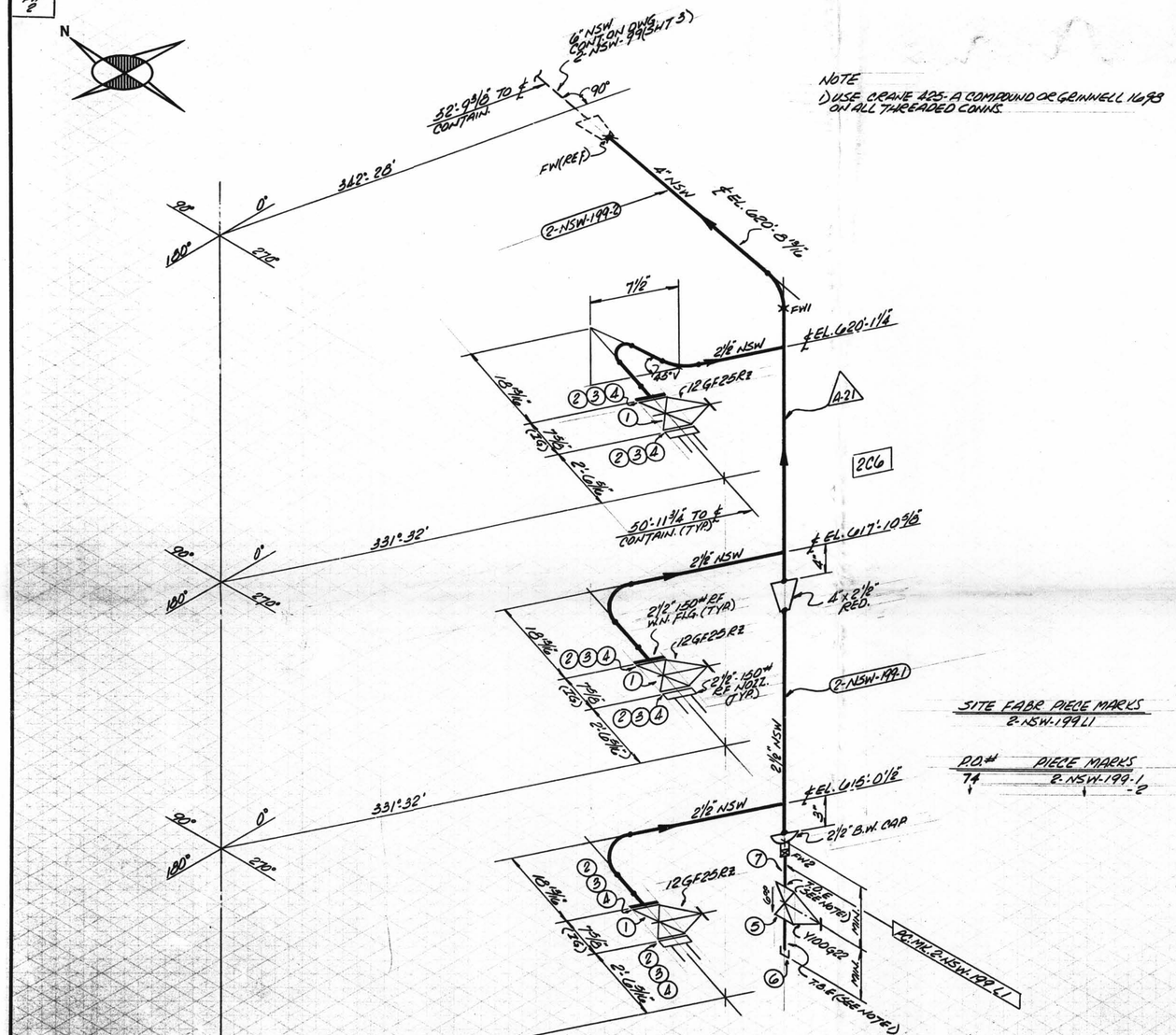

NOTE
1) USE CRANE 425-A COMPOUND OR GRINNELL 1698 ON ALL THREADED CONNS.

SITE FABR PIECE MARKS
2-NSW-199 L1

P.O.#	PIECE MARKS
74	2-NSW-199-1 -2

D-15A

ISO SHT. NO. 3458

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.	12GF25RZ	
	2	24	5/8	3" LG. HEX. HD. MACH. BOLTS	A307 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

SIZE	QUAN.	FW
4	8	1
2 1/2	10	–
1	1	1

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

N.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
S.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 1-2-5114A
Q.S.L. 01
WELD PROCEDURE

NPS DESIGNS INC.
NEW YORK, N.Y.

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

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

DWN: AA DATE: 5-24-73 CONTAINMENT #2
CKD: WP DATE: 6-1-73
ISSUED
REF. DWG. 2-5692
DWG. NO. 2-NSW-199 (SHT. 1 OF 3)
REV.

2-NSW-199 (Sheet 1 of 3)
Lower Containment Ventilation
Unit 4 Return Line