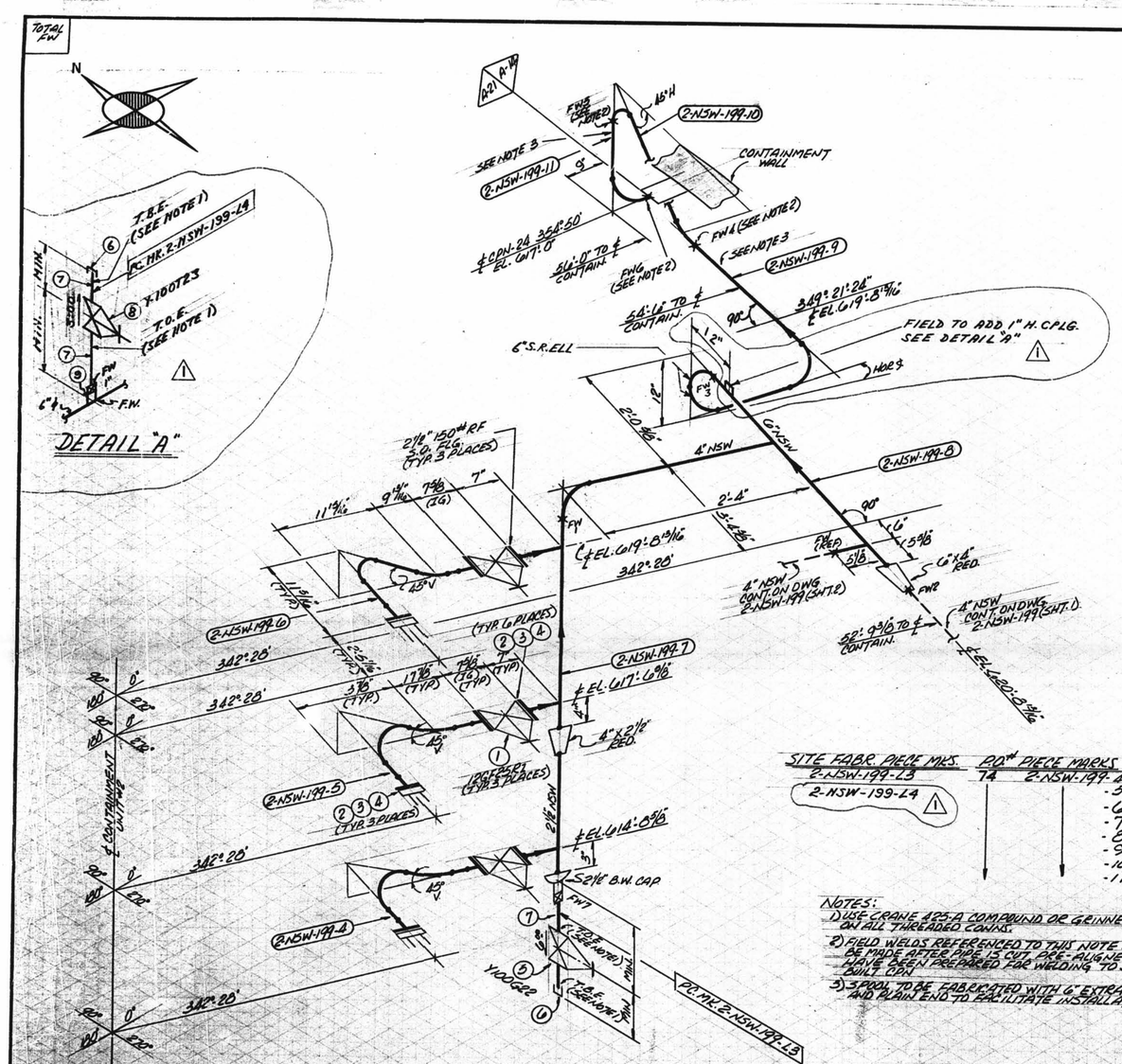

SIZE	CODE	FW
1	125	2
4	40	2
6	11	—
1	2	2

A-14 DESIGN SPEC. DCCPN 103.0CN	
HANGAR SEISMIC CLASS I	
TEST REQUIREMENTS QL QL 4	
WELD PROCEDURE	
QSL 02 TESTING 100% RT, B.W	
A-21 DESIGN SPEC. DCCPN 102.0CS	
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

PIPE

*	A-53	A-106		A-376		A-312						
		GR.B										
STD.	XY	XXY	10	40	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

B.P. = BORING 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
M.Q.R. = 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. = SNAPE ONE END
S.O.P. = SECTION OF PIPE ELEV.

FW = FIELD WELD
H = HORIZONTAL
V = VERTICAL
SW = SHOP WELD
FSW = FIELD SHOP WELD

⊗ = FIELD WELD
A = AUTOMATIC SHOP WELD
M = MANUAL SHOP WELD
V = VERIFY DIMENSION IN FIELD

ISO SHT. NO. 3460						
OSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	3	2½"	125# C.I. FLG'D. GATE VA.	WEDGE SEAT	
	2	36	⅝"	3" LG. HEX HD. MACH BOLTS	A307 GR.B	
	3	36	⅝"	HEAVY HEX NUTS (CL.2 TOL)		
	4	9	2½"	⅛" THK 150# COMP. ASB. GASKET		
	5	1	1"	150# THD. GATE VA. BRONZE TRIM	Y100G22	
	6	2	1"	3000# C.S. THD. CAP	A-105 GR.2 FORGE	
	7	AS REQD.	1"	PIPE (SCH 80) SMLS. C.S.	A-106 GR.B	
	8	1	1"	200# THD. BRASS OR BRONZE GLOBE VALVE	Y-100723	
	9	1	1"	3000# C.S. S.W.H. CPLG.	A-181 GR. I OR II	

REVISION RECORD					
NO.	DATE	COMP. OBS.	DESCRIPTION	REMARKS	
1	3/3/74	J.C. T.T.	ADDED 12" DIM., DETAIL "A"; 1" S.W.H. CPLG., ITEMS 8&9 IN B.M., PC. MK. 2-NSW-199-14. QTY. IN ITEM 6 WAS 1. PER ARRGT. DWG. 2-5692 REV. 3	FIELD ACTION REQ.	

SITE FABR. PIECE MKS.	20" PIECE MARKS
2-NSW-199-13	14 2-NSW-199-4 -5 -6 -7 -8 -9 -10 -11
2-NSW-199-14 ⚠1	

NOTES:
1) USE CRANE 425-A COMPOUND OR GRINNELL 1698 ON ALL THREADED CONNS.
2) FIELD WELDS REFERENCED TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING. TO SUIT AS-BUILT CONDITIONS.
3) SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE AND PLAIN ENDS TO FACILITATE INSTALLATION.

D-15C

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

POUR/ZONE No. 2C1a
REQUIRED COMPLETION DATE
FABRICATED BY TUARCO
FLOW DIAGRAM 12-2174A
O.S.L. SEE DES.
WELD PROCEDURE CODE STAMP

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. WP DATE 6-26-73
CKD. WP DATE 6-1-73
ISSUED
REF. DWG. 2-5692

DWG. NO. CONTAINMENT #2
2-NSW-199 (SHT. 3 OF 3)
REV. 1