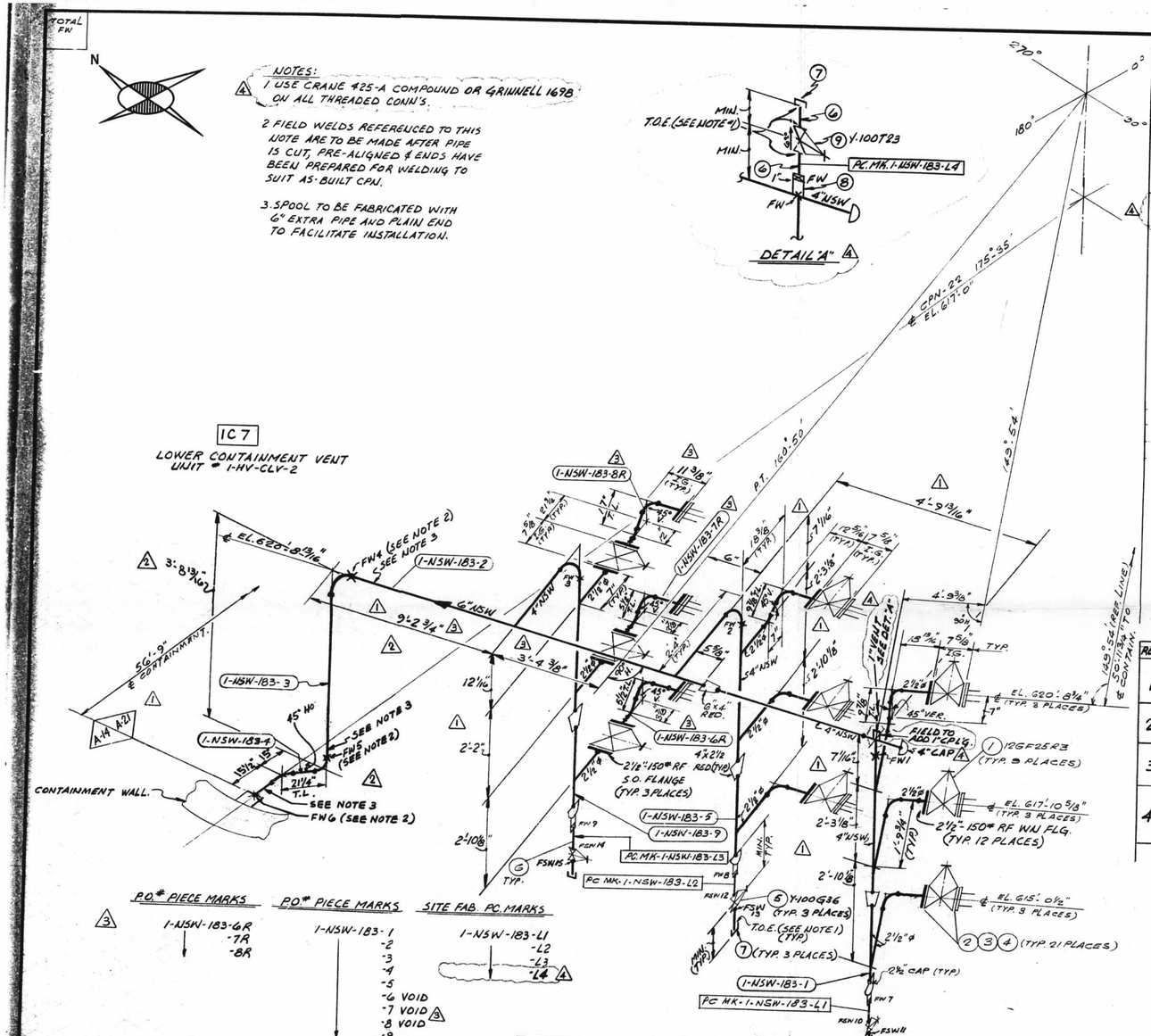
TOTAL FW

NOTES:

4. 1. USE CRAIG 425-A COMPOUND OR GRINNELL 169B ON ALL THREADED CONN'S.

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 CPN.

3. SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE AND PLAIN END TO FACILITATE INSTALLATION.



P.O.# PIECE MARKS	PO.# PIECE MARKS	SITE FAB. PO. MARKS
1-NSW-183-6R	1-NSW-183-1	1-NSW-183-L1
-7R	-2	-L2
-8R	-3	-L3
	-4	-L4 4
	-5	
	-6 VOID	
	-7 VOID 3	
	-8 VOID	
	-9	

SIZE	QUAN.	FW
6	20	3
4	20	3
2 1/2	35	–
1	3	5

A-14 DESIGN SPEC. DCCPM 103QCN
HANGER SEISMIC CLASS 1
TEST REQUIREMENTS QL- 4
WELD PROCEDURE –
QSL- 04 TESTING 100% RT, PW

A-21 DESIGN SPEC. DCCPM 102QCS
HANGER SEISMIC CLASS 1
TEST REQUIREMENTS QL- N/A
WELD PROCEDURE –
QSL- 07 TESTING N/A

DESIGN SPEC.	SEE
HANGER SEISMIC CLASS	DESIGN
TEST REQUIREMENTS	CODE
MATERIAL CLASS	STAMP.

B.P. = BORING POINT
T.O.E. = THREAD ONE END
T.O.S. = 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	
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

POUR/ZONE No. IC7
REQUIRED COMPLETION DATE
FABRICATED BY TAYLOR
FLOW DIAGRAM 1-2-5114A
O.S.L. SEE DESIGN
WELD PROCEDURE CODE STAMP.

NPS DESIGNS INC. 1
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. S.B. DATE 6-8-78 CONTAINMENT BLDG.
CKD. C.B. DATE 6/29
ISSUED
REF. DWG. 1-5692
DWG. NO. 1-NSW-183
REV. 4

ISO SHT. NO. 2678

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG No. OR ASTM MAT'L.	HEAT NO.
01	1	9	2 1/2"	125# C.I. FLGD. GATE VA.	12GF25RE	
	2	21	2 1/2"	1/16" THK. FULL FACE, COMP. ASBESTOS RUBBER BONDED GASKET.		
	3	84	5/8" ø	3" LG. HEX. HD. MACH. BOLT	A-307 GR. B	
	4	84	5/8"	HEAVY HEX. NUT CL. 2 TOL.	A-307 GR. B	
	5	3	1"	600# C.S. S.W. GATE VA.	Y-100G3G	
	6	AS REQ'D	1"	PIPE (SCH. 80) SMLS. C.S.	A-106 GR. B	
	7	4	1"	3000# C.S. THD. CAP	A-181 GR. I OR II	
	8	1	1"	3000# S.W. HALF CPL'G. L.S.	A-181 GR. I OR II	
	9	1	1"	200# GLOBE VA. SCR'D. BRONZE OR BRASS	Y-100T23	

REV.	DATE	PR. CHK.	DESCRIPTION	REMARKS
1	7/3/72	JQ / LB	CHG'D FABRICATOR & ADDED VARIOUS DIMENSIONS AS NOTED. CHG'D LOC. OF FW1.	FAB ACTION REQ'D
2	7/26/72	A.S. / LB	REVISED CONFIGURATION OF PCS. 1-NSW-1-183-2, 3 & 4 PER A.E.P. ARRGT DWG. 1-5692 REV. 4	–
3	9/21/72	J.Q. / LB	DIMS 9'-2 3/4", 3'-4 3/8" & 11 3/8" WERE 9'-2 3/16", 3'-4 13/16" & 11 3/4" RESPECTIVELY. VOIDED PC MKS 1-NSW-183-6, 7 & 8. ADDED PC MKS 1-NSW-183-6R, 7R & 8R. AEP ARRGT DWG. 1-5692 REV. 4	FIELD ACTION/FAB REQ'D ACTION REQ'D
4	3/5/73	J.Q. / I.F.	REVISED BY N.P.S. DESIGNS. ADDED 1"x2 1/2" L TO PC MK 1-NSW-183-2, FW 4. FIELD NOTE 6, SITE FAB. PC MK 1-NSW-183-L4, DET. "A", B/M ITEMS 8 & 9. REV. NOTE 1, DET. "A", B/M ITEM 7. PER A.E.P. ARRGT. DWG. 1-5692 REV. 5	FIELD ACTION REQ'D –

D-69

1-NSW-183
Lower Containment Ventilation
Unit 2 Return Line