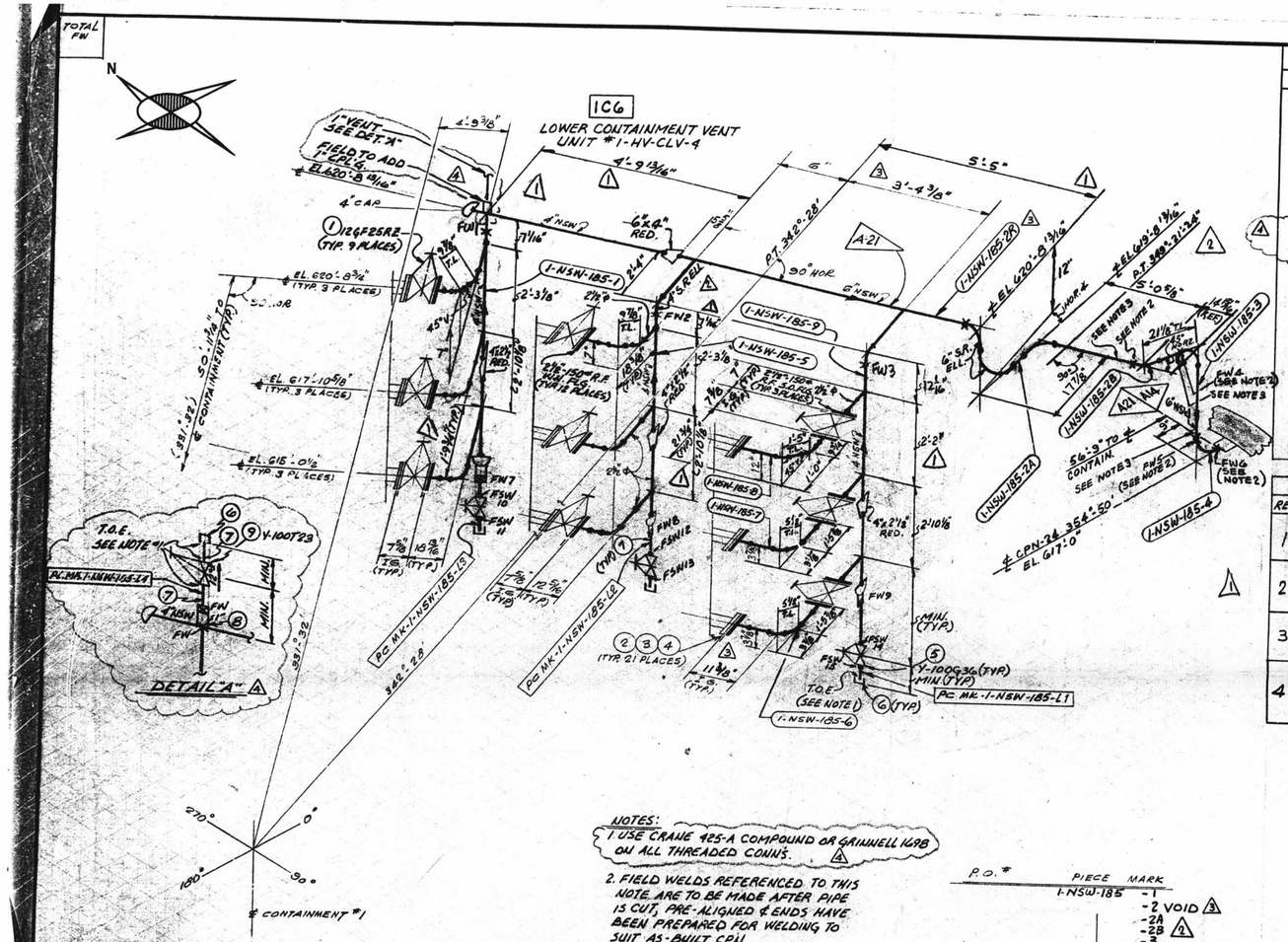

QSL	ITEM	QTY.	SIZE	MATERIAL DESCRIPTION	TAG NO. OR ASTM MAT'L.	HEAT NO.
01	1	9	8 1/2"	125# C.I. FLGD. GATE VA.	12GF25RE	
	2	21	2 1/2"	1/16" THK. FULL FACE COMP. ASBESTOS RUBBER BONDED GASKET		
	3	64	5/8 x 3"	3" LG HEX. HD. MACH. BOLT.	A-307 GR. B	
	4	84	5/8"	HEAVY HEX. NUT CL. 2 TOL.	↓	
	5	3	1"	600# C.S. S.W. GATE VA.	Y-100G36	
	6	1	1"	3000# C.S. THD. CAP	A-181 GR. I OR II	
	7	22 FT. REQD.	1"	PIPE (SCH 80) SMLS. C.S.	A-106 GR. B.	
	8	1	1"	3000# S.W. HALF CPLG. C.S.	A-181 GR. I OR II	
	9	1	1"	200# GLOBE VA. SEAT'D. OR BRASS BRONZE	Y-100T23	

ISO SHT. NO. 2679

REV.	DATE	P.O. APV.	DESCRIPTION	REMARKS
1	7/31/72	JQ / LDB	CHG'D. FABRICATOR & ADDED VARIOUS DIMENSIONS AS NOTED. CHGD. LOC. OF FW1	—
2	7/21/72	AS. / LDB	REVISED CONFIGURATION OF PCS. 1-NSW-185-2,3 & 4 & ADDED PCS. 1-NSW-185-2A & 2B. PER AEP ARRGT. 1-5692-4	FAB ACTION REQ'D
3	9-20-72	JQ. / LDB	DIM 3'-4 3/8" WAS 3'-4 13/16", DIM 11 1/8" WAS 11 3/4". VOIDED PC. MK. 1-NSW-185-2. ADDED PC. MK. 1-NSW-185-2R. AEP ARRG'T. DWG. 1-5692-REV. 3	FIELD ACTION REQ'D / FAB ACTION REQ'D
4	3/5/73	J.Q. / L.F.	REVISED BY N.P.S. DESIGNS. ADDED 1" CPLG. TO PC. MK. 1-NSW-185-2A. FW 3. FIELD NOTE. SITE FAB. PC. MK. 1-NSW-185-L4. DET. "A". 17 & 19. REV. NOTE #1. ATK OF 3/14. ITEM 6 WAS 2. PER AEP ARRG'T. DWG. 1-5692 REV. 5	FIELD ACTION REQ'D

NOTES:

1. USE CRANE 425-A COMPOUND OR GRINNELL 1428 ON ALL THREADED CONN'S. 4
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 MARK
1-NSW-185	-1
	-2 VOID 3
	-2A
	-2B 2
	-3
	-4
	-5
	-6
	-7
	-8
	-9
1-NSW-185	-2R 3

SITE FAB PIECE MARK
1-NSW-185-L1
-L2
-L3
-L4 4

D-71

1-NSW-185
Lower Containment Ventilation
Unit 4 Return Line

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

A-14 DESIGN SPEC. DCCPM 1030CN
HANGER SEISMIC CLASS 2
TEST REQUIREMENTS QL-G4
WELD PROCEDURE —
QSL-B4 TESTING 100% RT, BW

A-21 DESIGN SPEC. DCCPM 1020CS
HANGER SEISMIC CLASS 2
TEST REQUIREMENTS QL N/A
WELD PROCEDURE —
QSL-B1 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.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. = SHARP 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
○ = AUTOMATIC SHOP WELD
◐ = MANUAL SHOP WELD
◑ = VERIFY DIMENSION IN FIELD

PIPE												
A-53		A-106		A-376		A-312						
		GR. B										
STD.	XY	XXY	10	20	30	X	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. 1CG
REQUIRED COMPLETION DATE
FABRICATED BY TAYLOR
FLOW DIAGRAM 1-2-5174A
Q.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. SB	DATE: 6/5/72	CONTAINMENT BLDG.	
CKD. LDB	DATE 4/72	DWG. NO. 1-NSW-185	REV. 4
ISSUED			
REF. DWG. 1-5692			