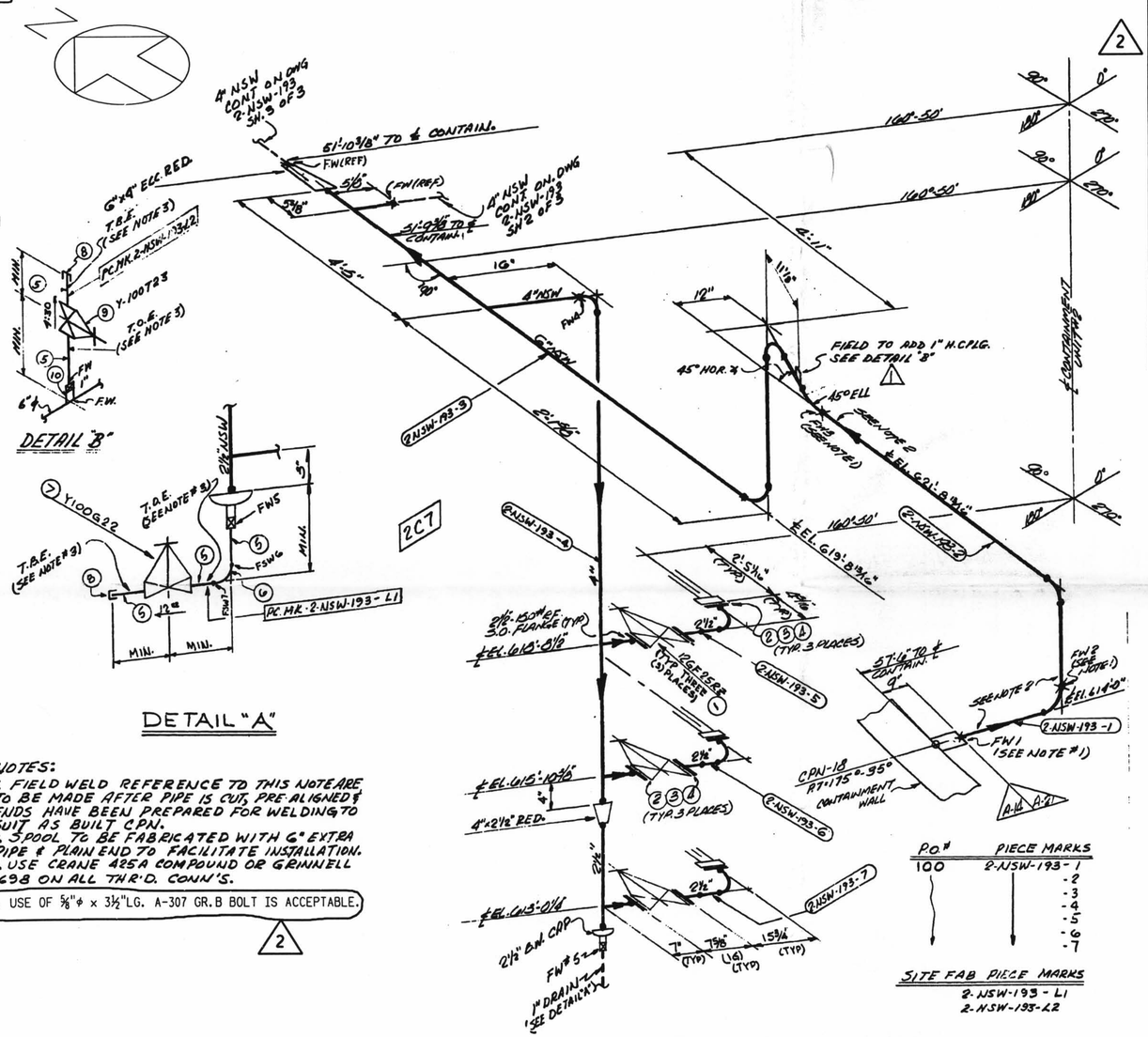
TOTAL FW



PO.#	PIECE MARKS
100	2-NSW-193-1
	-2
	-3
	-4
	-5
	-6
	-7

SITE FAB PIECE MARKS
2-NSW-193-L1
2-NSW-193-L2

NOTES:
1. FIELD WELD REFERENCE TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS BUILT CPN.
2. SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE & PLAIN END TO FACILITATE INSTALLATION.
3. USE CRANE 425A COMPOUND OR GRINNELL 1698 ON ALL THR'D. CONN'S.
4. USE OF 5/8"ϕ x 3 1/2"LG. A-307 GR.B BOLT IS ACCEPTABLE. 2

SIZE	QUAN.	FW
6"	24	3
4"	6	1
2 1/2"	12	—
1"	2	3

MATERIAL

QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.
01	1	3	2 1/2"	125# C.I. GATE VA.	12GF25RZ
	2	9	2 1/2"	150# COMPR. ASBESTOS RUBBER BONDED FULL FACE 1/16" THK. GASK.	
	3	36	5/8"ϕ	3" LG. HEX HD. MACH. BOLT (SEE NOTE 4)	A-307, GR. B
	4	36	5/8"ϕ	HEAVY HEX NUT CLASS 2 TOL.	A-307, GR. B
	5	AS REQ'D	1"	PIPE (SCH .80) SMLS C.S.	A-106, GR. B
	6	1	1"	90° ELBOW 3000# SW. C.S.	A-181 GR. I OR II
	7	1	1"	150#THR'D GATE VA. BRONZE OR BRASS	Y100G22
	8	2	1"	3000# THR'D C.S. CAP	A-181 GR. I OR II
	9	1	1"	200# THR'D BRASS OR BRONZE GLOBE VALVE	Y-100T23
	10	1	1"	3000# C/S S.W.H. CPLG	A-181 GR. I OR II

D-36A

2-NSW-193 (Sheet 1 of 3)
Lower Containment Ventilation
Unit 2 Supply Line

REV.	DATE	DESCRIPTION	FIELD STATUS
2	09/07/99	THIS DRAWING HAS BEEN CONVERTED FROM A MANUAL FORMAT TO THE IGS-SCANNED DRAWING FORMAT AND SUPERSEDES ALL PREVIOUS REVISIONS. ADDED : NOTE FOR ITEM 3 PER RFC 12-2769, AB-D02571, DCDR 10-10-1003 GNL/RQ/99	NO FIELD ACTION REQ'D.

POUR/ZONE No. 2C7 FLOW DIAGRAM 2-5114A
Q.S.L. 01

REFER TO ORIGINAL ISSUE MICROFILM FOR SIGNATURES

DWN	DATE:	CONTAINMENT BLDG #2
CKD	DATE:	DWG. No. 2-NSW-193
SQ. LDR	DATE:	SH 1 REV 2
REF. DWG. 2-5692/5694A		

AEP AMERICAN ELECTRIC POWER
AEP SERVICE CORP. 1 RIVERSIDE PLAZA COLUMBUS, OH 43215

MATERIAL SPEC.	DCCPM103QCN/DCCPM102QCS
HANGER SEISMIC CLASS	I, II
TEST REQUIREMENTS	QL-4/ N/A
MATERIAL CLASS	A-14/A-21

W.P. = WORKING POINT
T.B.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

■ = FIELD WELD
○ = AUTOMATIC SHOP WELD
● = MANUAL SHOP WELD
■ = VERIFY DIMENSION IN FIELD

PIPE: SA-53, SA-106 GR. B, SA-376, SA-312
STD. | XY | XXY | 10 | 20 | 30 | 40 | 60 | 80 | 100 | 120 | 140 | 160
SMLS. | WLDD. — FOR AS INSTALLED MATERIAL - SEE B.O.M. ABOVE

FITTINGS: SA-105, SA-234, SA-182, SA-403, SA-181

INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK
NUCLEAR PLANT
BRIDGMAN MICHIGAN

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