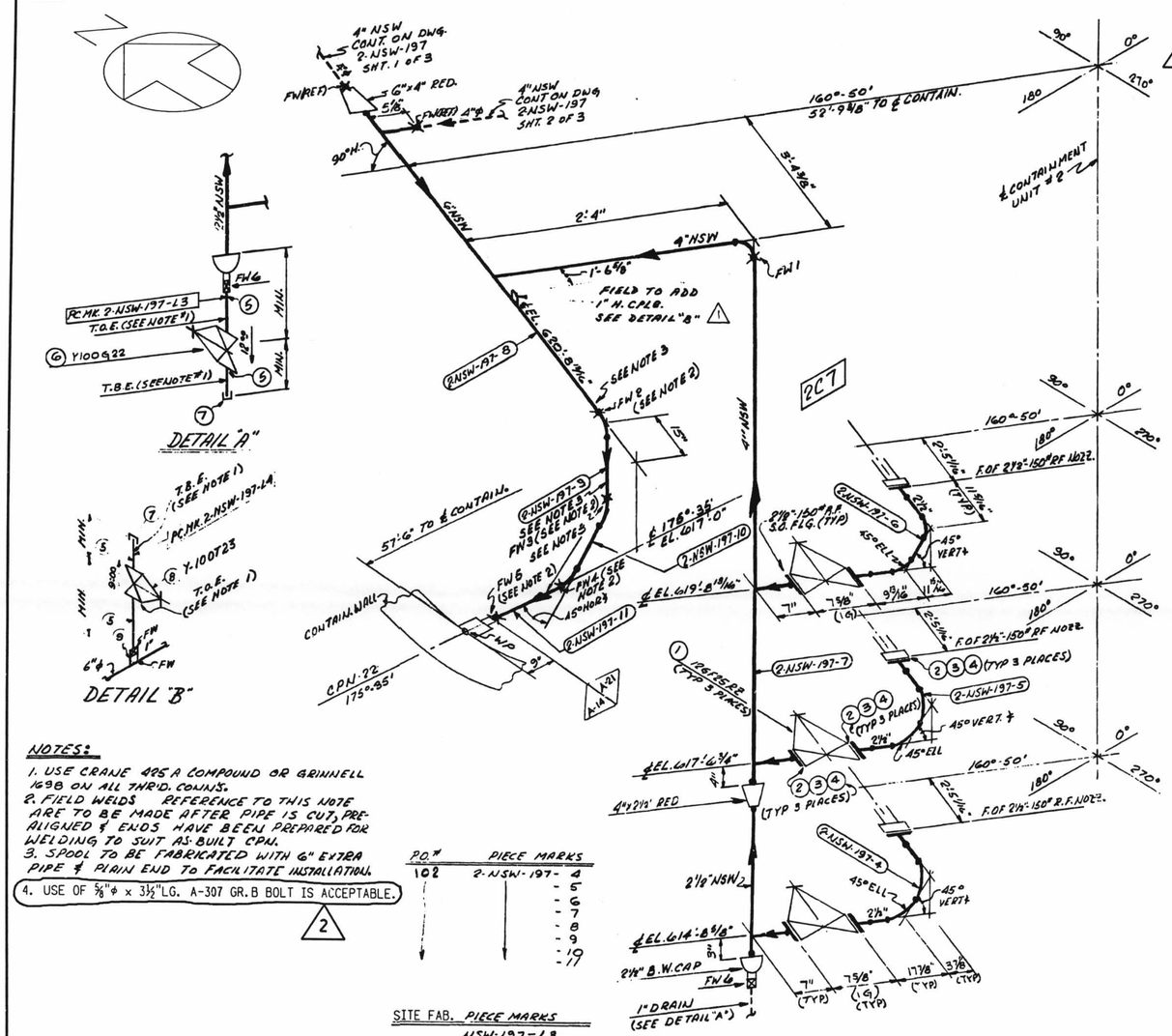
TOTAL FW



P.O.#	PIECE MARKS
102	2-NSW-197- 4
	- 5
	- 6
	- 7
	- 8
	- 9
	- 19

SITE FAB. PIECE MARKS
NSW-197-L3
NSW-197-L4

NOTES:
1. USE CRANE 495 A COMPOUND OR GRINNELL 1698 ON ALL THR'D. CONNS.
2. FIELD WELDS REFERENCE TO THIS NOTE ARE TO BE MADE AFTER PIPE IS CUT, PRE-ALIGNED & ENDS HAVE BEEN PREPARED FOR WELDING TO SUIT AS-BUILT CPM.
3. SPOOL TO BE FABRICATED WITH 6" EXTRA PIPE & PLAIN END TO FACILITATE INSTALLATION.
4. USE OF 5/8"ϕ x 3½"LG. A-307 GR.B BOLT IS ACCEPTABLE. (2)

SIZE	QUAN.	FW
6"	15	4
4"	6	1
2½"	11	—
1"	2	3

MATERIAL

OSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MATL.
01	1	3	2½"	125# C.I. FLG'D. GATE VALVE	126F25RE
	2	9	2½"	150# COMPRESSED ASBESTOS RUBBER BONDED FULL FACE GASKET 1/8" THK.	
	3	36	5/8"ϕ	3" LG. HEX. HD. MACH. BOLTS (SEE NOTE 4)	A307, GR B
	4	36	5/8"ϕ	HEAVY HEX. NUTS CLASS 2 TOL.	" "
	5	AS REQ'D	1"	PIPE (SCH. 80) SMLS C.S.	A-106, GR.B
	6	1	1"	150# THR'D. GATE VA. BRONZE OR BRASS	Y100-6-22
	7	2	1"	3000# C.S. THR'D. CAP	A-181 GR. I OR II
	8	1	1"	200# THD. BRASS OR BRONZE GLOBE VALVE	Y-100723
	9	1	1"	3000# S/S S.W.H. CPLG.	A-181 GR. I OR III

D-13C

2-NSW-197 (Sheet 3 of 3)
Lower Containment Ventilation
Unit 2 Return 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-D02576, DCDR 10-10-1003 GNL/RR/99	NO FIELD ACTION REQ'D.

MATERIAL SPEC.	DCCPM1030CN/DCCPM1020CS
HANGER SEISMIC CLASS	I, II
TEST REQUIREMENTS	QL-4, N/A
MATERIAL CLASS	A14, A21

W.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
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														FITTINGS		
SA-53		SA-106 GR. B			SA-376		SA-312							SA-105	SA-234	SA-182
STD.	XY	XXY	10	20	30	40	60	80	100	120	140	160		SA-403	SA-181	
SMLS.	WLDD.		FOR AS INSTALLED MATERIAL - SEE B.O.M. ABOVE													

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

POUR/ZONE No. 2C7
FLOW DIAGRAM 1-2-5114A
O.S.L. 04, 01

REFER TO ORIGINAL ISSUE MICROFILM FOR SIGNATURES

DWN	DATE:	CONTAINMENT BLDG #2
CKD:	DATE:	DWG. No. 2-NSW-197
SQ. LDR:	DATE:	SH 3 REV 2
REF. DWG. 2-5692, 2-5694A		

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

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