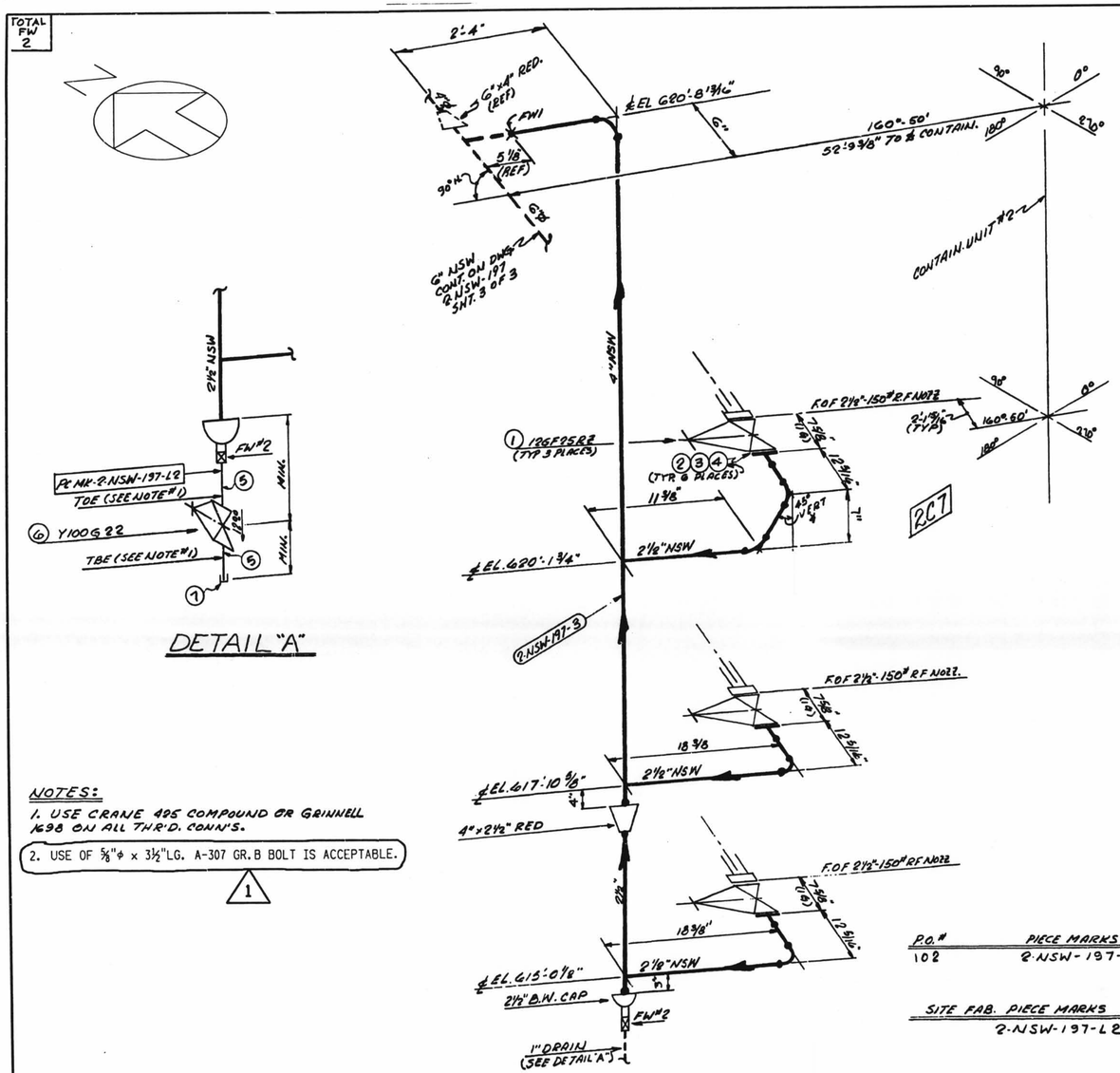
TOTAL FW 2



DETAIL "A"

NOTES:

1. USE CRANE 495 COMPOUND OR GRINNELL 1698 ON ALL THR'D. CONN'S.
2. USE OF 5/8"φ x 3 1/2"LG. A-307 GR.B BOLT IS ACCEPTABLE. 1

MATERIAL						
OSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.	
01	1	3	2 1/2"	125# C.I. FLG'D. GATE VALVE	12GF25R2	
	2	6	2 1/2"	150# COMPRESSED ASBESTOS RUBBER BONDED FULL FACE GASKET 1/16" THK.		
	3	24	5/8"φ	3" LG. HEX. HD. MACH. BOLTS. (SEE NOTE 2)	A-307, GR.B	
	4	24	5/8"φ	HEAVY HEX NUTS CLASS 2 TOL	" "	
	5	15 (REQ'D)	1"	PIPE (SCH. 80) SMLS C.S.	A-106, GR.B	
	6	1	1"	150# THR'D. GATE VA. BRONZE SR BRASS	Y100G22	
	7	1	1"	3000# C.S. THR'D. CAP	A-181 GR.I or II	

1

D-13B

2-NSW-197 (Sheet 2 of 3)
Lower Containment Ventilation
Unit 2 Return Line

P.O.#	PIECE MARKS
102	2-NSW-197-3

SITE FAB. PIECE MARKS
2-NSW-197-L2

REV.	DATE	DESCRIPTION	FIELD STATUS
1	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-D02575, DCDR 10-10-1003 GNL/RQ/99	NO FIELD ACTION REQ'D.

SIZE	QUAN.	FW
4"	5'	1
2 1/2"	11'	—
1"	1'	1

MATERIAL SPEC.	DCCPM1020CS
HANGER SEISMIC CLASS	II
TEST REQUIREMENTS	N/A
MATERIAL CLASS	A-21 SPEC. 104

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												
SA-53		SA-106		SA-376		SA-312						
GR. B												
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

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

REFER TO ORIGINAL ISSUE MICROFILM FOR SIGNATURES

DWN: DATE: CONTAINMENT BLDG #2
CKD: DATE:
SQ. LDR: DATE:
REF. DWG. 2-5692, 2-5694A
DWG. No. 2-NSW-197 SH 2 REV 1

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

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C B A A B C