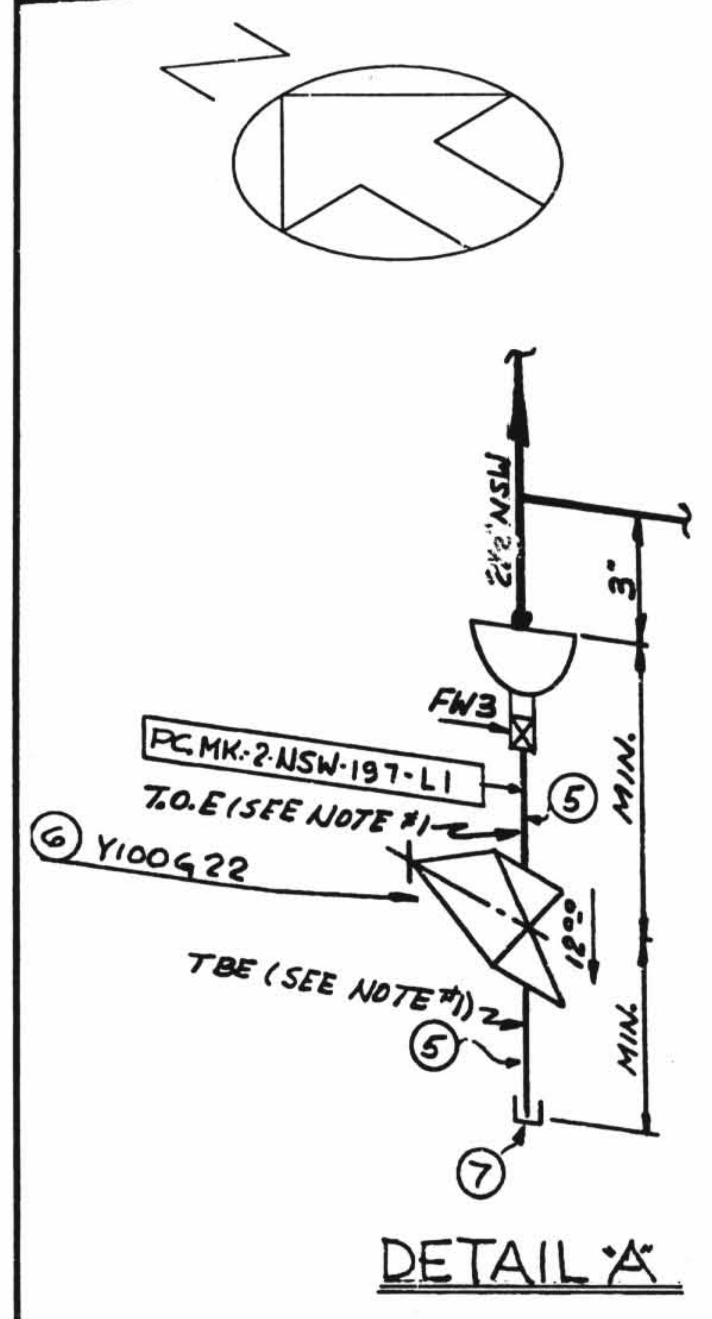
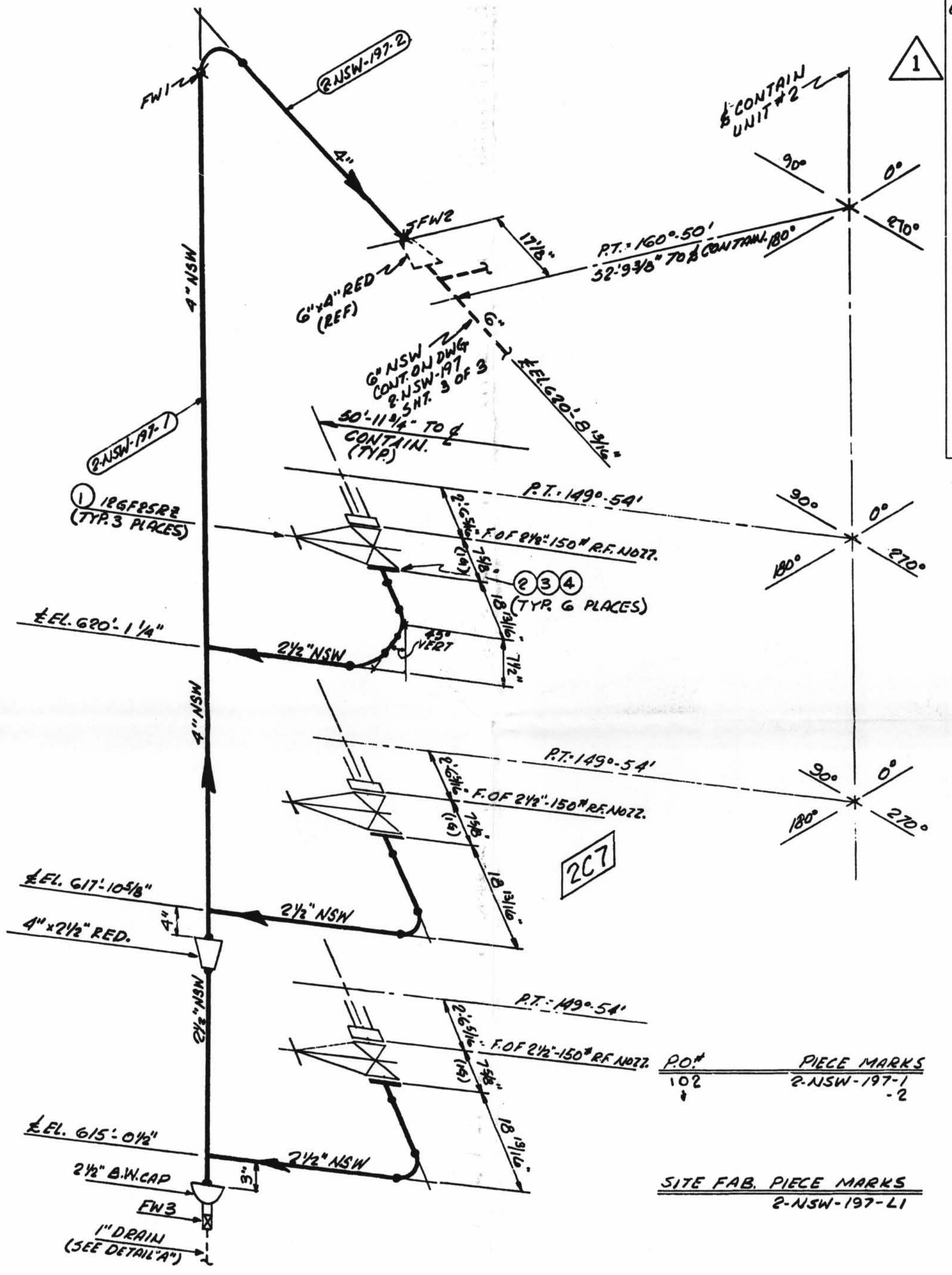
TOTAL FW
3



NOTES:

1. USE CRANE 495A COMPOUND OR GRINNELL 1698 ON ALL THR'D. CONN'S.
2. USE OF ⅝"φ x 3½"LG. A-307 GR.B BOLT IS ACCEPTABLE.

△1



△1

MATERIAL						
QSL	ITEM	QTY.	SIZE	DESCRIPTION	TAG No. OR ASTM MAT'L.	
01	1	3	2½"	125# C.I. FLG'D. GATE VA.	126F25R2	
	2	6	2½"	150# COMPRESSED ASBESTOS RUBBER BONDED FULL FACE GASKET 1/16" THK.		
	3	24	⅝"φ	3" LG. HEX. HD. MACH. BOLTS (SEE NOTE 2)	A307, GR. B	
	4	24	⅝"φ	HEAVY HEX NUTS CLASS 2 TOL.	" "	
	5	AS REQD.	1"	PIPE (SCH 80) SMLS C.S.	A-106, GR. B	
	6	1	1"	150# THR'D. GATE VA. BRONZE OR BRASS	Y100G22	
	7	1	1"	3000# C.S. THR'D. CAP	A-181 GR. I or II	

D-13A

2-NSW-197 (Sheet 1 of 3)
Lower Containment Ventilation
Unit 2 Return Line

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-D02574, DCDR 10-10-1003 GNL/RQ/99	NO FIELD ACTION REQ'D.

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

SIZE	QUAN.	FW
4"	8'	2
2½"	10'	—
1"	1'	1

MATERIAL SPEC.	DCCPM102QCS
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
						X						
SMLS.	WLDD.	FOR AS INSTALLED MATERIAL - SEE B.O.M. ABOVE										
X												

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

INDIANA MICHIGAN POWER COMPANY

DONALD C. COOK

NUCLEAR PLANT

BRIDGMAN MICHIGAN

REFER TO ORIGINAL ISSUE MICROFILM FOR SIGNATURES

DWN:	DATE:	CONTAINMENT BLDG. 2
CKD:	DATE:	DWG. No. 2-NSW-197
SQ. LDR:	DATE:	
REF. DWG. 2-5692, 2-5694A		SH 1 REV 1
AEP AMERICAN ELECTRIC POWER		AEP SERVICE CORP. 1 RIVERSIDE PLAZA COLUMBUS, OH 43215

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