



GENERAL NOTES

UNLESS OTHERWISE NOTED ON THIS DRAWING:

REFER TO DRAWING 12-5104 FOR "HAND OPERATED VALVE IDENTIFICATION NUMBERS" NOTES.

THE UNIT PREFIX DESIGNATION FOR EACH COMPONENT IDENTIFICATION NO. IS "2".

LEGEND

SUPPLY PIPING
RETURN PIPING
AUXILIARY PIPING

FOR VALVE, INSTRUMENT, SAMPLING, PIPE MATERIAL AND OTHER SYMBOLS NOT EXPLAINED ON THIS DWG., AND FOR MARK NUMBER CODES, SEE DWGS 12-5103, 5104.

A. ALL EQUIPMENT SEISMIC CLASS II EXCEPT AS NOTED.

B. FOR CODE CLASS 2 INST. CONNS. THE ISI BOUNDARY EXTENDS TO & INCLUDES THE FIRST ROOT VALVE.

C. FOR CODE CLASS 2 VENTS & DRAINS THE ISI BOUNDARY EXTENDS TO & INCLUDES THE FIRST NORMALLY CLOSED VALVE.

DATE	NO.	DESCRIPTION	APPRO.
12-28-78	29	INCORPORATED PER PARTIAL RELEASE OF 2-DCP-449 REV. 0. ISSUED FOR RECORD. GWS/AT/JSB KF/DD	GO
12-28-78	28	REVISED NOTE FOR SYMBOL E AND G AT A/B-9 PER C/R 99-1597, DCR 99-022.	JM

REVISIONS

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

FLOW DIAGRAM
NON-ESSENTIAL
SERVICE WATER

D-01
DWG. NO. OP-2-5114A-29

ARCH	ELEC	MECH	STR
SCALE	DATE	CHK	APP

DESIGN ENGINEERING DIVISION
REFER TO ORIG. EMD ISSUE
MICROFILM FOR SIGNATURES

AEP SERVICE CORP.
1 RIVERSIDE PLAZA
COLUMBUS, OH 43215

UNIQUE VALVE NUMBERS (UVN) AT LOWER CONTAINMENT VENTILATION UNITS

BANK NO. 1		BANK NO. 2		BANK NO. 3	
SYMBOL	UVN	SYMBOL	UVN	SYMBOL	UVN
1	NSW213-2 NSW213-3 NSW213-4	4	NSW216-2 NSW216-3 NSW216-4	7	NSW219-2 NSW219-3 NSW219-4
2	NSW214-2 NSW214-3 NSW214-4	5	NSW217-2 NSW217-3 NSW217-4	8	NSW220-2 NSW220-3 NSW220-4
3	NSW215-2 NSW215-3 NSW215-4	6	NSW218-2 NSW218-3 NSW218-4	9	NSW221-2 NSW221-3 NSW221-4
16	NSW228-2 NSW228-3 NSW228-4	13	NSW225-2 NSW225-3 NSW225-4	10	NSW222-2 NSW222-3 NSW222-4
17	NSW229-2 NSW229-3 NSW229-4	14	NSW226-2 NSW226-3 NSW226-4	11	NSW223-2 NSW223-3 NSW223-4
18	NSW230-2 NSW230-3 NSW230-4	15	NSW227-2 NSW227-3 NSW227-4	12	NSW224-2 NSW224-3 NSW224-4
INLET	NSW545-2 NSW545-3 NSW545-4	INLET	NSW546-2 NSW546-3 NSW546-4	INLET	NSW547-2 NSW547-3 NSW547-4
OUTLET	NSW542-2 NSW542-3 NSW542-4	OUTLET	NSW543-2 NSW543-3 NSW543-4	OUTLET	NSW544-2 NSW544-3 NSW544-4

CHART TO COORDINATE SUPPLY AND RETURN LINES TO EQUIPMENT NOT SHOWN

SYMBOL	EQUIP. NUMBER	EQUIPMENT
A	1	
B	3	TO AND FROM VENTILATION UNITS LOWER CONTAINMENT
C	4	
D	3	TO AND FROM VENTILATION UNITS INSTRUMENTATION ROOM
E	1	TO AND FROM VENTILATION UNITS UPPER CONTAINMENT
F	2	TO AND FROM VENTILATION UNITS UPPER CONTAINMENT
G	3	TO AND FROM VENTILATION UNITS IN UPPER CONTAINMENT
H	2	
J	3	TO AND FROM REACTOR COOLANT PUMPS, MOTOR AIR COOLER
K	4	