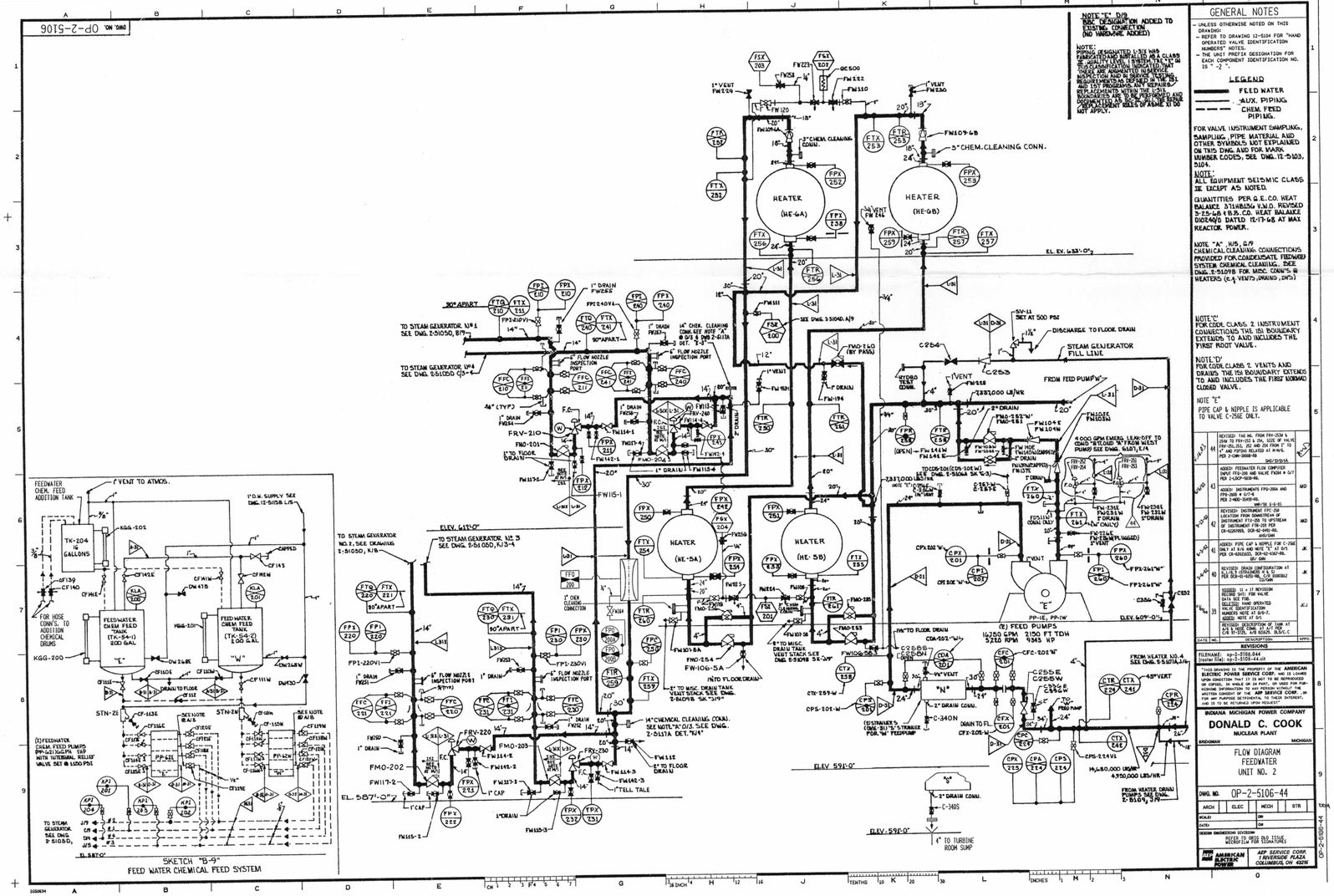
DWG. NO. OP-2-5106



NOTE "F" DIR.
"BSC" DESIGNATION ADDED TO EXISTING CONNECTION (NO HARDWARE ADDED)

NOTE:
NOTE: DESIGNATED 1-2-3 HAS BEEN FABRICATED AND INSTALLED AS A CLASS "BC" QUALITY LEVEL. INSPECTION TO "BC" IN ACCORDANCE WITH ASME SECTION III, NONE ARE RADIATED ITEMS. ALL ITEMS WERE FABRICATED, INSPECTED, REGISTERED AND DEPARTED IN THE 1981, AND 1977 PROGRAMS. ANY REPAIRS, REPLACEMENTS WITHIN THE 1-2-3 BOUNDARIES ARE TO BE PERFORMED AND DOCUMENTED UNDER ASME III. ALL OTHER CODE, CURRENT ASME III DO NOT APPLY.

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
- FEED WATER
- AUX. PIPING
- CHEM. FEED PIPING.

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

NOTE:
ALL EQUIPMENT SEISMIC CLASS IIE EXCEPT AS NOTED.

QUANTITIES PER G.E. CO. HEAT BALANCE D7HB81W V.N.O. REVISED 3-25-68 & B.R. CO. HEAT BALANCE D1D2A0/B DATED 12-17-68 AT MAX REACTOR POWER.

NOTE "A", H/5, G/9
CHEMICAL CLEANING CONNECTIONS PROVIDED FOR CONDENSATE, FEEDWATER SYSTEM CHEMICAL CLEANING. SEE DWG. 2-51018 FOR MISC. CONN'S. @ HEATERS. (e.g. VENTS, DRAINS, ETC.)

NOTE "C"
FOR CODE CLASS 2 INSTRUMENT CONNECTIONS THE ISI BOUNDARY EXTENDS TO AND INCLUDES THE FIRST ROOT VALVE.

NOTE "D"
FOR CODE CLASS 2 VENTS AND DRAINS THE ISI BOUNDARY EXTENDS TO AND INCLUDES THE FIRST NORMAL CLOSED VALVE.

NOTE "E"
PIPE CAP & NIPPLE IS APPLICABLE TO VALVE C-256E ONLY.

DATE	NO.	DESCRIPTION	APPD.
10-27-83	44	REVISED: FAS NO. FROM FRV-253A & 254A TO FRV-253 & 254, SIZE OF VALVE FRV-253, 253, 253 AND 254 FROM 1" TO 4" AND PIPING RELOCATED AT B-W/L PER P-CMW-3000-88 SHC/DCS/JS	
4-5-83	43	ADDED: FEEDWATER FLOW COMPUTER INPUT FFO-200 AND VALVE FV204 & 5/7 PER 2-MOP-1026-88. MW/SR, 3-4-83	MJD
3-3-82	42	REVISED: INSTRUMENT FPC-250 LOCATION FROM CONNECTION TO FEEDWATER FLOW COMPUTER UPSTREAM OF INSTRUMENT FTR-251 PER CR-6209098, DCR-82-0491-98. AHC/GMM	MJD
9-9-80	41	ADDED: PIPE CAP & NIPPLE FOR C-256E ONLY AT B/9 AND NOTE "E" AT D/5 PER CR-6202023, DCR-82-0267-98. SV/GMM	JK
9-9-80	40	REVISED: DRAIN CONFIGURATION AT H/5 & G/9 (REMOVE H & G). PER DCR-81-0202-98, C/R 5080862 TS/GMM	JK
7-28-78	35	REVISED: 11, 12, 13 REVISION RECORD DATE; FOR VALVE DATA SEE FOR. "HAND OPERATED VALVE IDENTIFICATION NUMBERS NOTE AT D/5-7. ADDED: NOTE AT D/1 REVISED: DESCRIPTION OF FAN AT C/3 & NOTE CONN AT A/7 PER C/R 78-3705, AFB 60625. RS/CJ	JCJ

REVISIONS

FILENAME: op-2-5106.044
(master file): op-2-5100-44.cir

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

FLOW DIAGRAM
FEEDWATER
UNIT NO. 2

DWG. NO. OP-2-5106-44

ARCH	ELEC	MECH	STR

SCALE: NN
DATE: NN
DESIGN ENGINEERING SECTION
REVISED TO AND INCLUDE ISSUE
REVISION NO. 44 FOR REFERENCES

AEP AMERICAN ELECTRIC POWER
AEP SERVICE CORP.
1 RIVERSIDE PLAZA
COLUMBUS, OH 43216

OP-2-5100-44

D-02