

Docket No.: 50-508

FEB 13 1984

APPLICANT: Washington Public Power Supply System (WPPSS)

FACILITY: Washington Nuclear Project, Unit 3 (WNP-3)

SUBJECT: SUMMARY OF MEETING

On August 16, 1983, staff and applicant representatives met to discuss the WNP-3 structural design audit and to tour the WNP-3 plant site. A copy of the meeting notice and a list of attendees are enclosed (Enclosures 1 and 2, respectively).

The purpose of the site visit was to familiarize the NRC structural reviewer with the WNP-3 plant site in preparation for the structural design audit to be conducted in accordance with NUREG-0800, Standard Review Plan, Appendix B to Section 3.8.4. The applicant presented a brief description of WNP-3 plant structures (Enclosure 3). The remainder of the day was spent touring the plant site.

Original prepared by:
Annette Vietti

Annette Vietti, Project Manager
Licensing Branch No. 3
Division of Licensing

Enclosures:
As stated

cc: See next page

P-02230444 B40213
PDR ADOCK 05000508
A PDR

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DATE	2/10/84	2/13/84					

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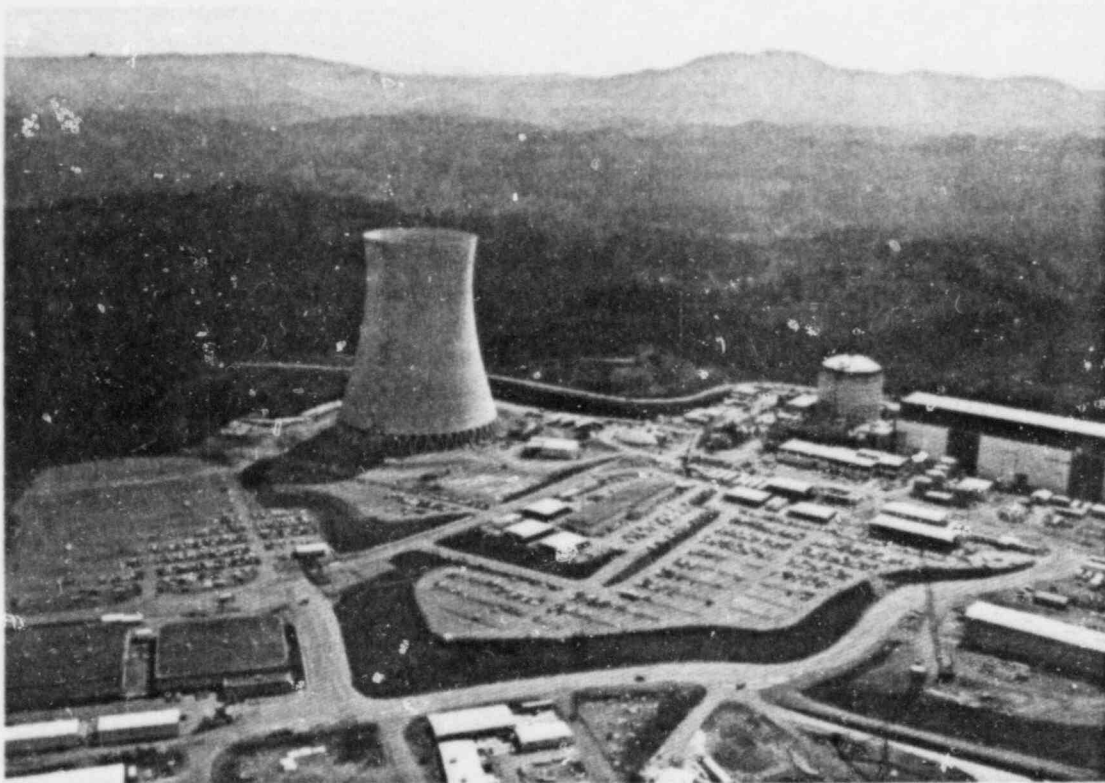
Nina Bell
Nuclear Information & Resource
Services
1346 Connecticut Avenue, N. W.
Washington, D. C. 20036

NRC Structural Design Audit
WNP-3 Site Orientation Inspection
August 16, 1983

Attendance List

	<u>Name</u>	<u>Organization</u>
1.	<u>DAVE KOSKI</u>	<u>SUPPLY SYSTEM - PROJECT ENG'RG.</u>
2.	<u>Donald J Lagrou</u>	<u>Supply System - Project Engnr</u>
3.	<u>JACK E. WERLE</u>	<u>SUPPLY SYSTEM - PROJECT ENGINEERING MANAGER</u>
4.	<u>W.G. Albert</u>	<u>USNRC - Resident Inspector</u>
5.	<u>Annette VIETTI</u>	<u>USNRC / NRR / DI Project Manager</u>
6.	<u>OWEN ROTHERBERG</u>	<u>NRC / NRR / DE / SEB STR. ENGR.</u>
7.	<u>D.E. Trapp</u>	<u>Supply System - Project QA Manager</u>
8.	<u>Art Moore</u>	<u>" " Licensing Engineer</u>
9.	<u>Ram shetty</u>	<u>EBASCO ESSE CIVIL ENGR.</u>
10.	<u>J Ruimerman</u>	<u>EBASCO</u>
11.	<u>G.A. Wany</u>	<u>EBASCO - CIVIL ENG NY</u>
12.	<u>Donn Smithoster</u>	<u>BPA - Project Engineer</u>
13.	<u>G.C. SOZENSEN</u>	<u>Supply System - Mgr - Nuclear Safety & Reg Program</u>
14.	<u>S. F. SWEARINGIN</u>	<u>BPA - PROGRAM ANALYST</u>
15.	<u>_____</u>	<u>_____</u>

NRC STRUCTURAL DESIGN AUDIT
WNP-3 SITE ORIENTATION INSPECTION
AUGUST 16, 1983



NRC Structural Design Audit
WNP-3 Site Orientation Inspection
August 16, 1983

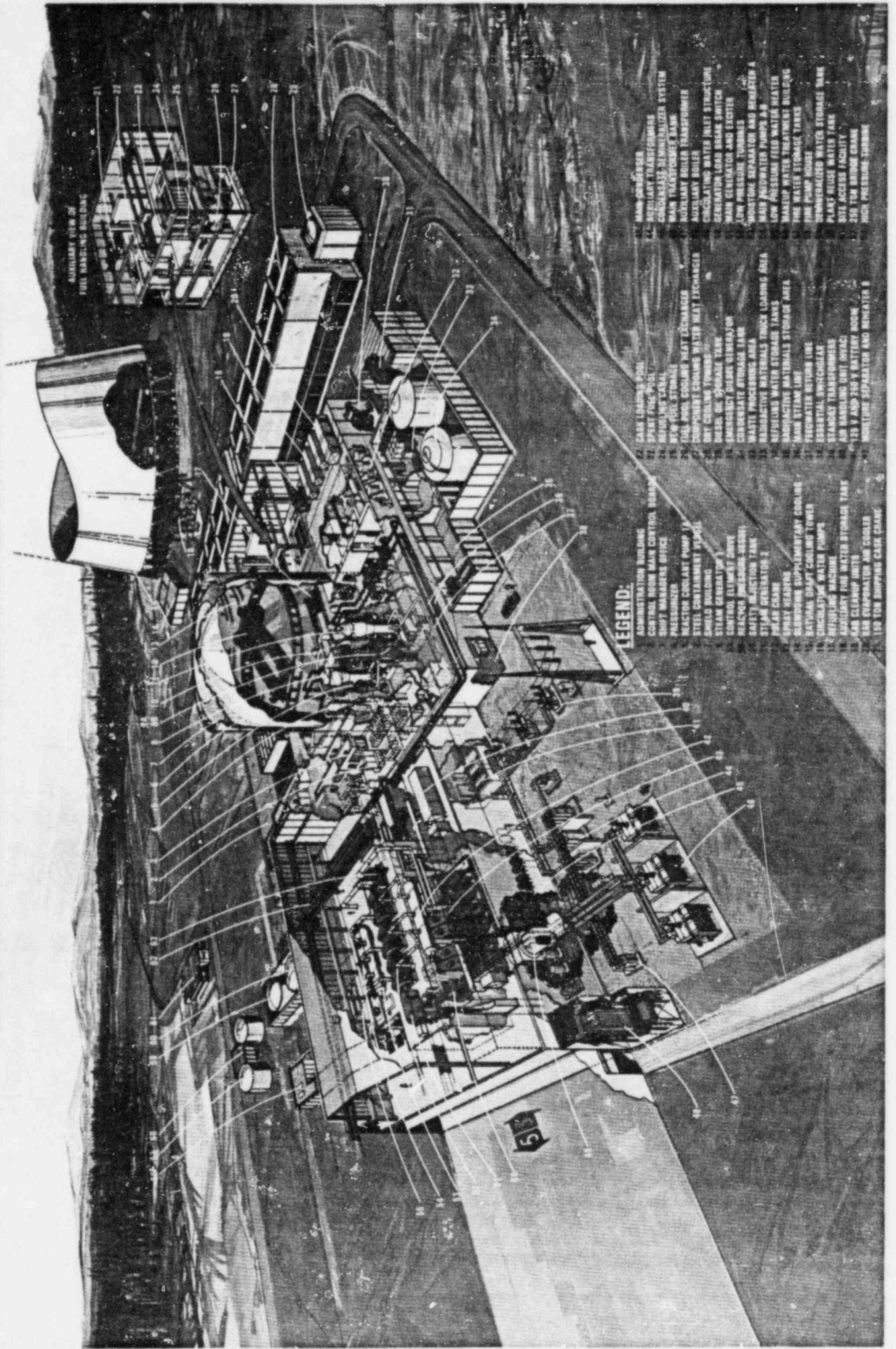
08:00 - 08:30	Site Construction Office -- Introduction - Brief description of WNP-3 plant structures.
08:30 - 12:30	Tour plant model and jobsite.
12:30 - 1:30	Lunch
1:30 - 2:00	Complete tour, answer questions. Cover any areas missed in morning.
2:00 - 3:00	Discuss plans and objectives for structural design audit scheduled for week of September 26 in New York.

NRC Structural Design Audit
WNP-3 Site Orientation Inspection
August 16, 1983

- I. WNP-3 Model
- II. Administration Building
- III. Turbine Building
- IV. Reactor Auxiliary Building
 - 1. Roof/Shield Bldg. Dome/LIP Form
 - 2. Control Room
 - 3. Lower Elevations
 - 4. Diesel Generator Room
 - 5. Steam Tunnel
- V. Containment
- VI. Fuel Handling Building
- VII. Dry Cooling Tower
- VIII. Category I Tank Enclosures
- IX. Natural Draft Cooling Tower
- X. Intake Structure/Supplementary Cooling

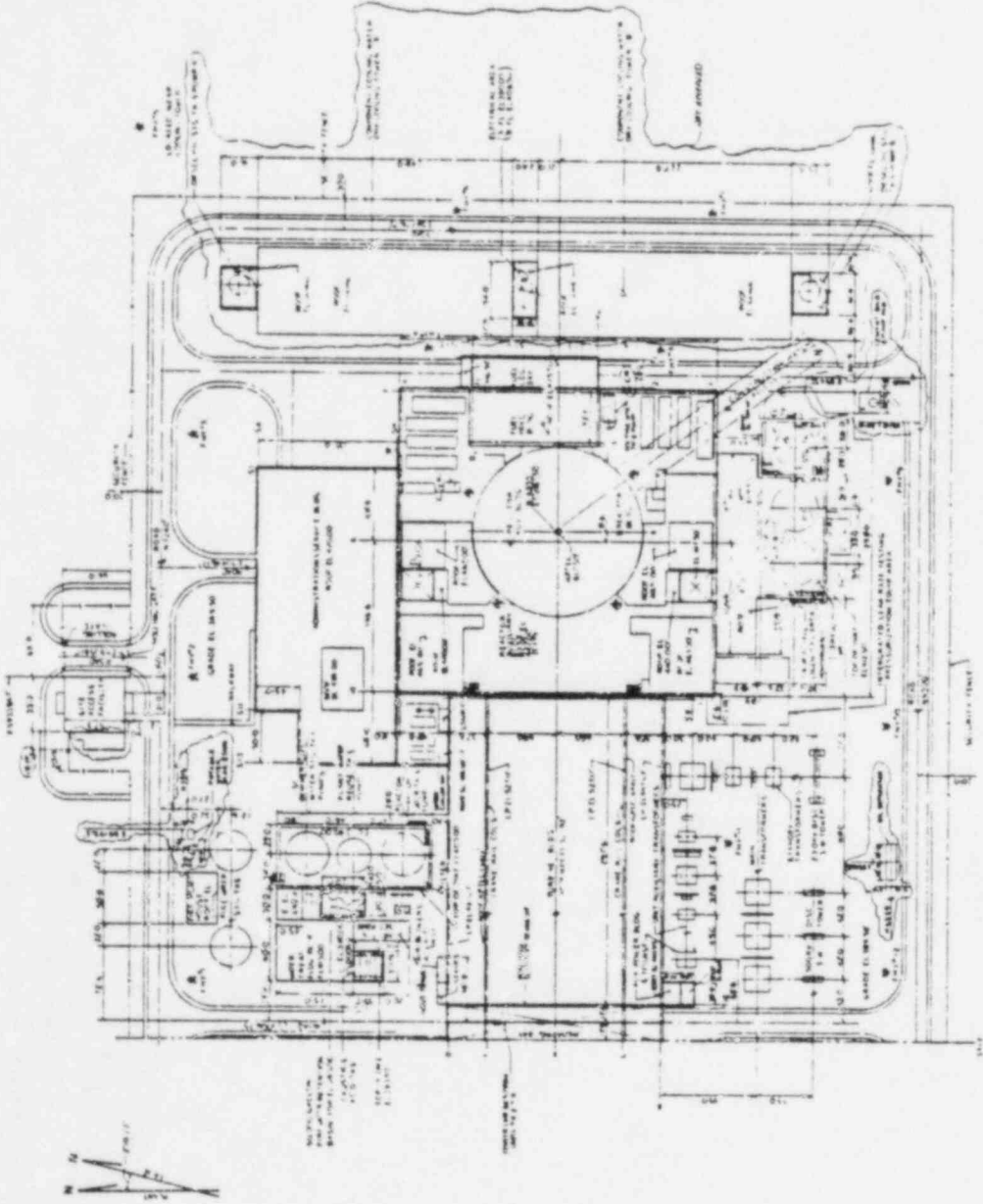
WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

NUCLEAR PROJECT NO. 3



LEGEND:

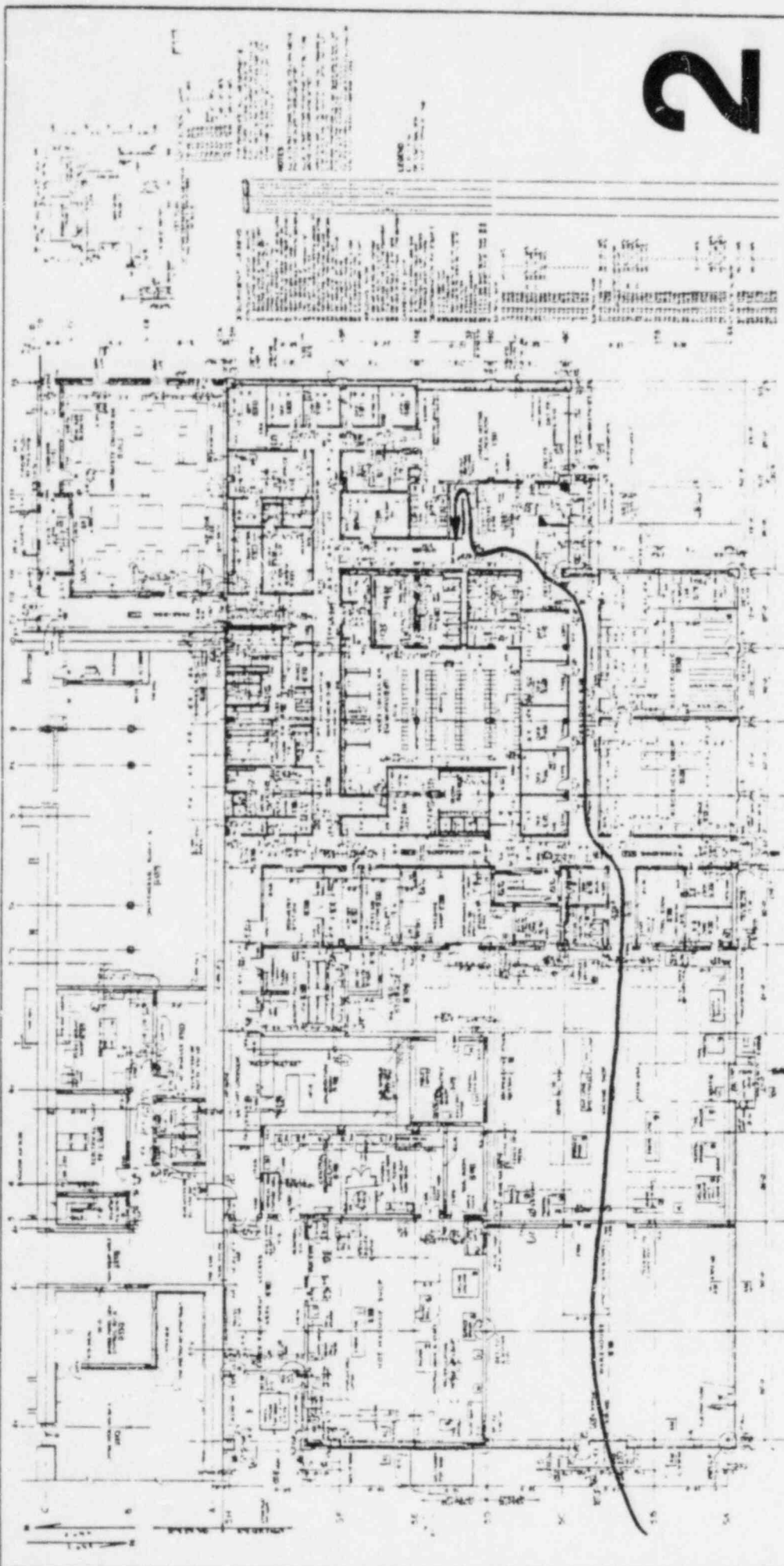
- 1 ADMINISTRATION BUILDING
- 2 CONTROL ROOM MAIN CONTROL BOARD
- 3 SHIFT MANAGERS OFFICE
- 4 PRESSURIZER
- 5 REACTOR COOLANT PUMP (A)
- 6 STEEL CONTAINMENT VESSEL
- 7 STEAM GENERATOR
- 8 CONTROL ELEMENT DRIVE
- 9 REACTOR INSTRUMENT BOARD
- 10 SAFETY INJECTION TANK
- 11 SAFETY INJECTION TANK
- 12 SPRAY RECEIVING
- 13 BLOWDOWN SUPPLEMENTARY COOLING
- 14 NATIONAL DRAFT COOLING TOWER
- 15 CIRCULATING WATER PUMPS
- 16 REFUELING MACHINE
- 17 REFUELING MACHINE
- 18 AUXILIARY FINE WATER STORAGE TANK
- 19 FAN CLEANUP HUTS
- 20 SAN EVAPORATOR AIR COOLER
- 21 150 TON SHIPPING CRANE
- 22 DRAIN LOADING POOL
- 23 SPENT FUEL POOL
- 24 REFUELING CANAL
- 25 FUEL POOL STORAGE
- 26 FUEL POOL COOLING HEAT EXCHANGER
- 27 COMPONENT COOLING WATER HEAT EXCHANGER
- 28 DRY COOLING TOWER
- 29 BASKETS OF SPARE PARTS
- 30 EMERGENCY RESERVE GENERATION
- 31 CONDENSATE STORAGE TANK
- 32 WASTE PROCESSING AREA
- 33 RADIOACTIVE MATERIALS TRUCK LOADING AREA
- 34 REFRIGERATIVE WATER STORAGE TANKS
- 35 RADIOACTIVE MATERIALS STORAGE AREA
- 36 MAIN STEAM LINE
- 37 FRESHWATER RETURN LINE
- 38 SUBSTANTIAL TRANSFORMERS
- 39 STANDBY TRANSFORMERS
- 40 AIR HANDLING UNIT (HVA)
- 41 110 V AND 240 V BATTERY ROOM
- 42 MOISTURE SEPARATOR AND HEATER B
- 43 MAIN PRESSURIZER
- 44 AUXILIARY TRANSFORMERS
- 45 CONDENSATE-DEMINERALIZER SYSTEM
- 46 MAIN TRANSFORMER BANK
- 47 AUXILIARY BOILER TRANSFORMER
- 48 AUXILIARY BOILER
- 49 CIRCULATING WATER INLET STRUCTURE
- 50 GENERATOR LEAD BREAK SWITCH
- 51 MAIN GENERATOR AND EXCITOR
- 52 LOW PRESSURE TURBINES
- 53 MOISTURE SEPARATOR AND HEATER A
- 54 MAIN FRESHWATER PUMPS (A)
- 55 LOW PRESSURE FEED WATER HEATER
- 56 MAKEUP WATER TREATMENT BUILDING
- 57 FINE WATER STORAGE TANKS
- 58 FINE PUMP HOUSE
- 59 DEMINERALIZED WATER STORAGE TANKS
- 60 PLANT FEED WATER TANK
- 61 SITE ACCESS FACILITY
- 62 250 TON BRIDGE CRANE
- 63 HIGH PRESSURE TURBINE



1

AMENDMENT NO. 1 (10/82)
 WASHINGTON FUELED POWER SUPPLY SYSTEM
 Nuclear Projects 3 & 5
 FINAL SAFETY ANALYSIS REPORT

PLANT PLOT PLAN
 FIGURE 1.2

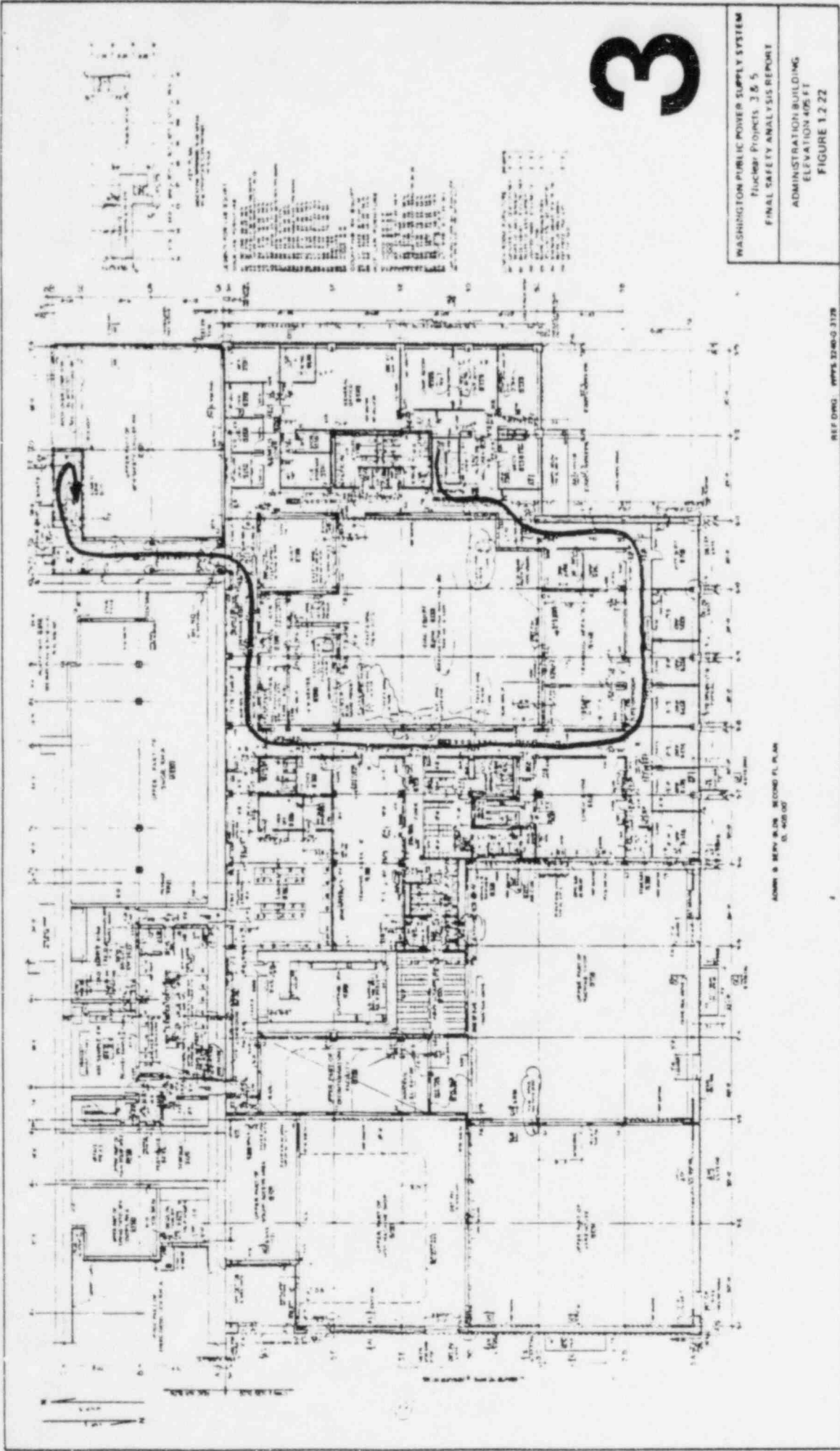


WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 Nuclear Projects 3 & 5
 FINAL SAFETY ANALYSIS REPORT
 ADMINISTRATION BUILDING
 ELEVATION 300 FT
 FIGURE 1.2.21

2

REF DWG: WPPS 3240-G 1177

ADMIN B SERV RD OR COURTYARD FL PLAN
 EL. 300.000



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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 Flushing Projects 3 & 5
 FINAL SAFETY ANALYSIS REPORT

ADMINISTRATION BUILDING
 ELEVATION 405 FT
 FIGURE 1.2.22

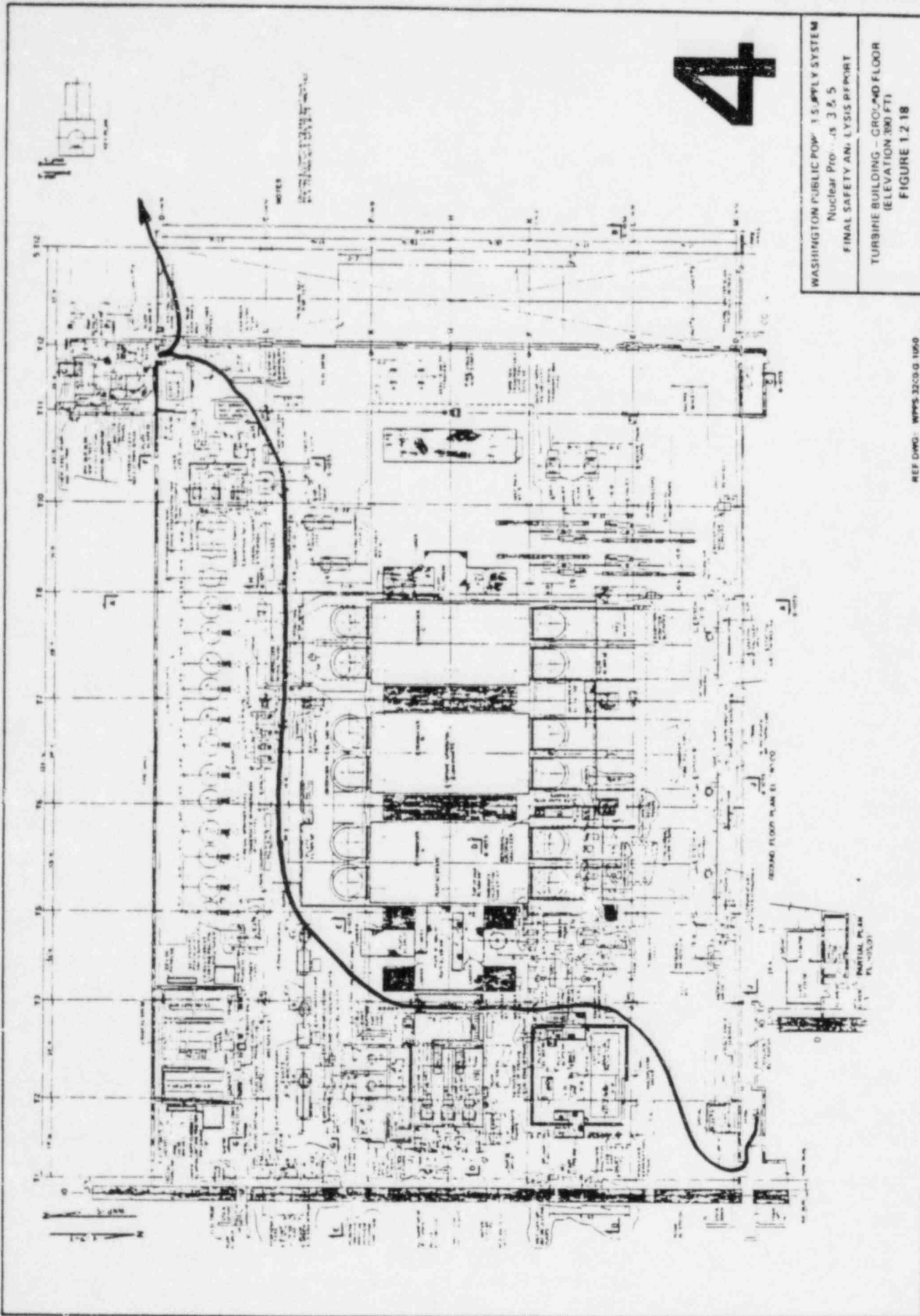
REF DWG. WPPS 3240-0 3179

ADMIN & SERV BLDG SECOND FL PLAN
 01.405.007

4

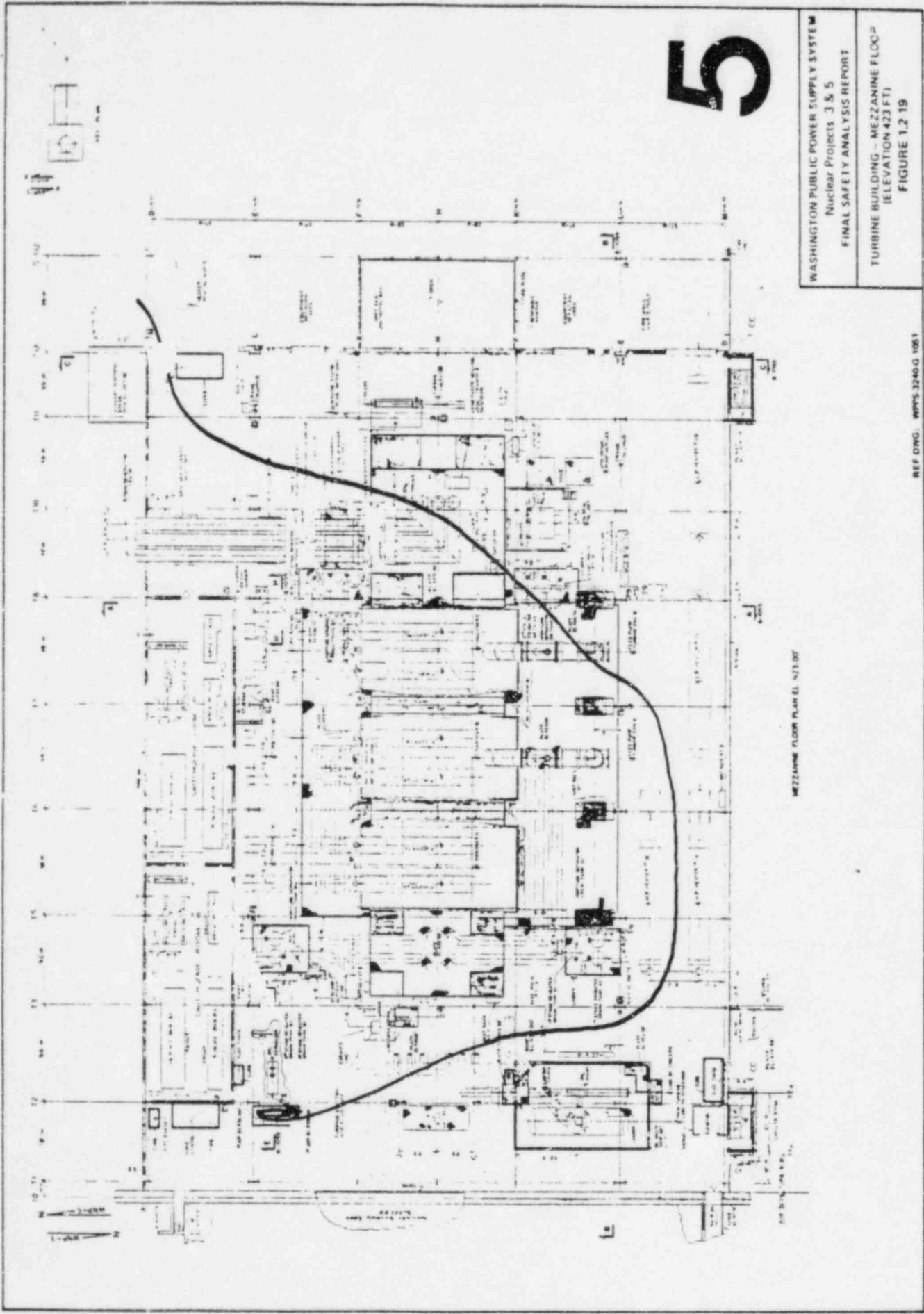
WASHINGTON PUBLIC POWER SUPPLY SYSTEM
Nuclear Project 3 & 5
FINAL SAFETY ANALYSIS REPORT
TURBINE BUILDING - GROUND FLOOR
(ELEVATION 300 FT)
FIGURE 1.2.18

REF DWG: WPPSS 32-03-G 11500



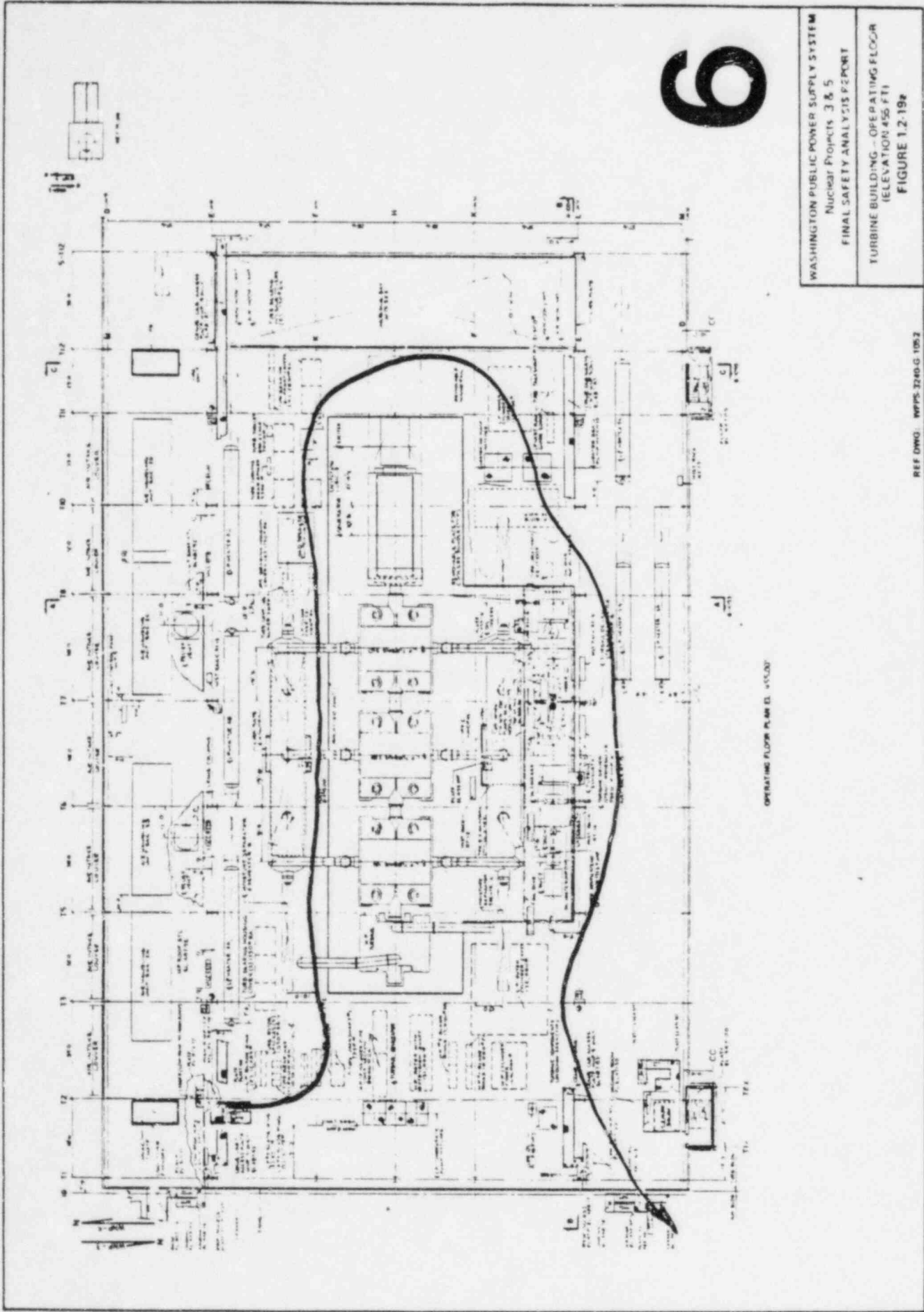
5

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
Nuclear Projects 3 & 5
FINAL SAFETY ANALYSIS REPORT
TURBINE BUILDING - MEZZANINE FLOOR#
(ELEVATION 423 FT)
FIGURE 1.2.19



MEZZANINE FLOOR PLAN EL. 423.00'

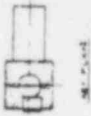
REF DWG. WPPS 3240-G 1051



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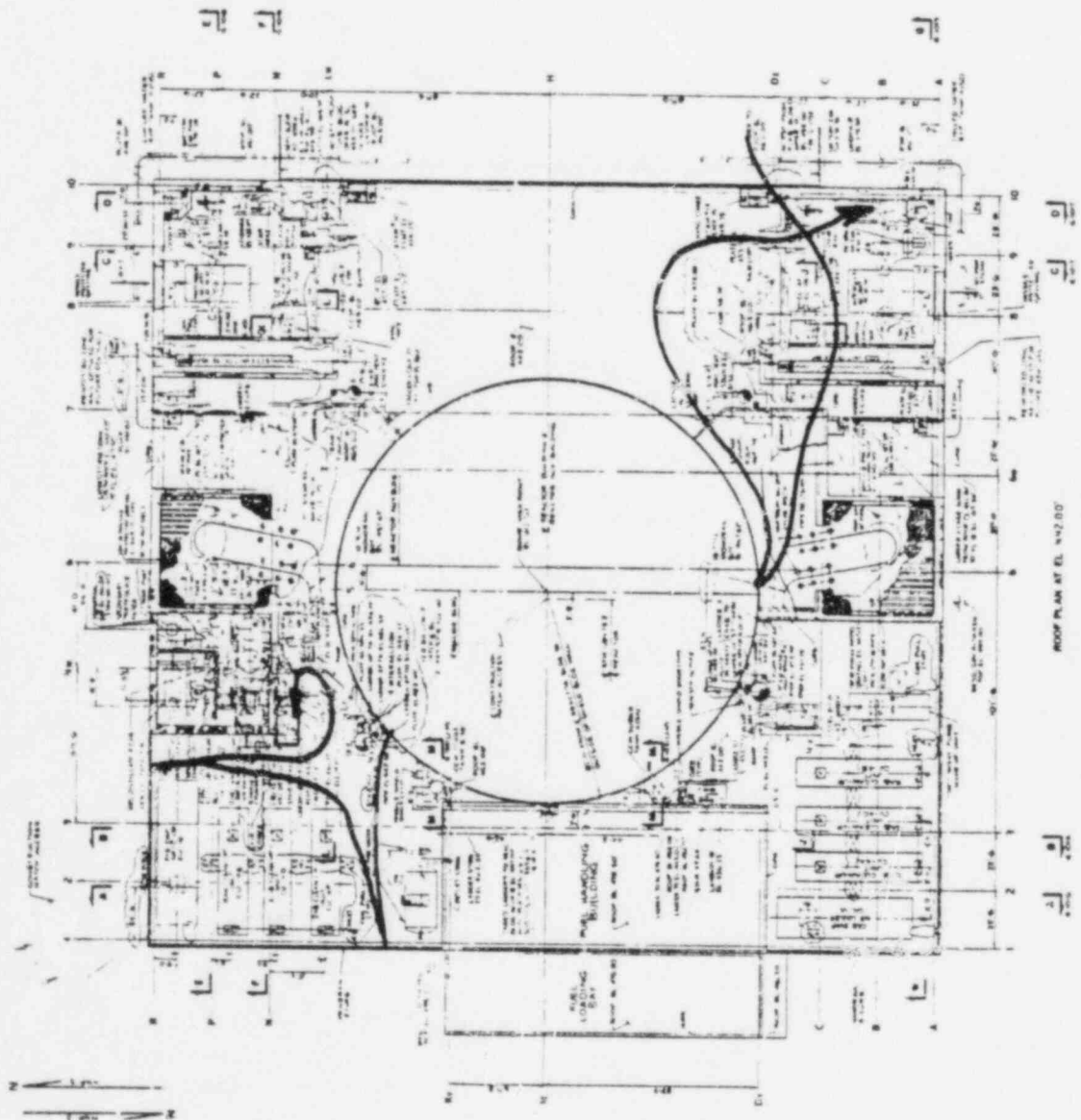
WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 Nuclear Projects 3 & 5
 FINAL SAFETY ANALYSIS REPORT
 TURBINE BUILDING - OPERATING FLOOR
 (ELEVATION 455 FT)
 FIGURE 1.2-19*

REF DWG: WPPS-3240-G-195.2



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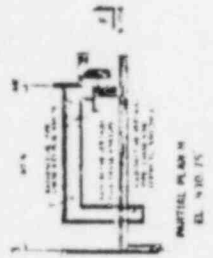
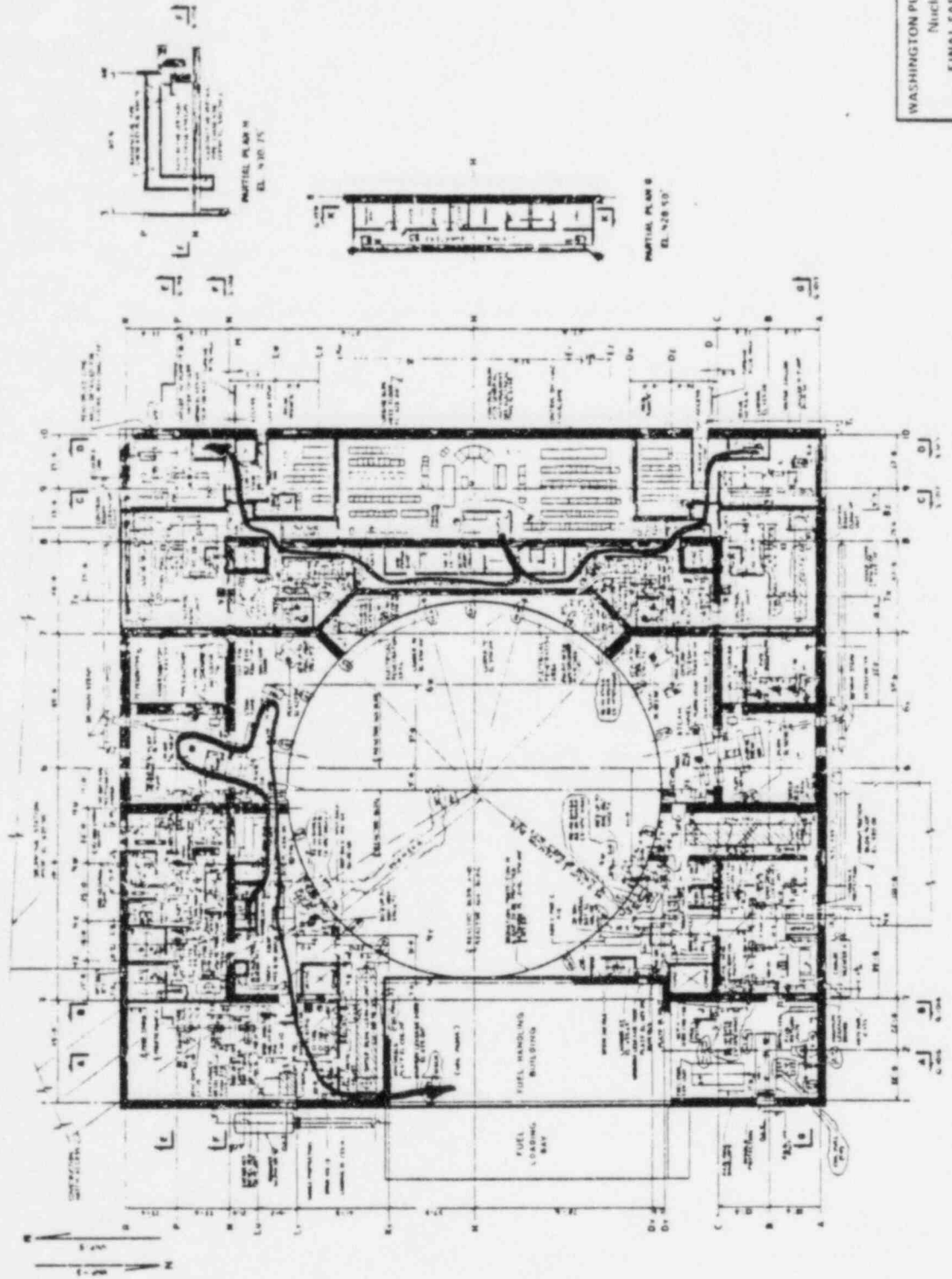
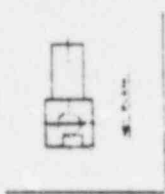
7



ROOF PLAN AT EL. 442.00'

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 Nuclear Projects 3 & 5
 FIN* SAFETY ANALYSIS REPORT
 REACTOR AUXILIARY BUILDING
 ELEVATION 442 FT
 FIGURE 1.2.13

REF DWG: WPPS 3240-G-1014

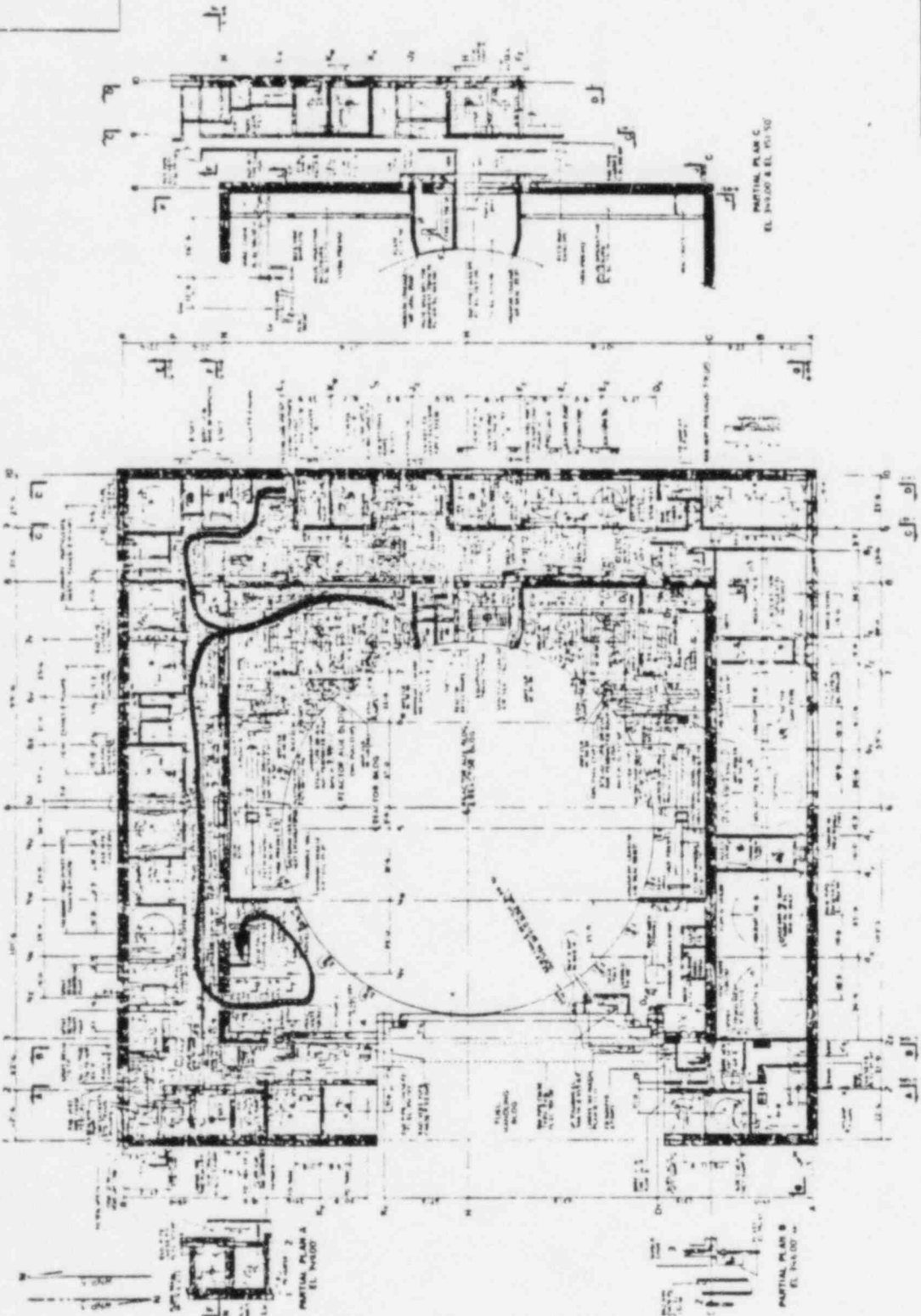
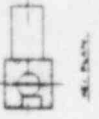


PLAN AT EL. 417.50

8

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 Nuclear Projects 3 & 5
 FINAL SAFETY ANALYSIS REPORT
 REACTOR AUXILIARY BUILDING
 ELEVATION 417.5 FT
 FIGURE 1.2.12

REF. DWG: WPPS 3240 G. 1013

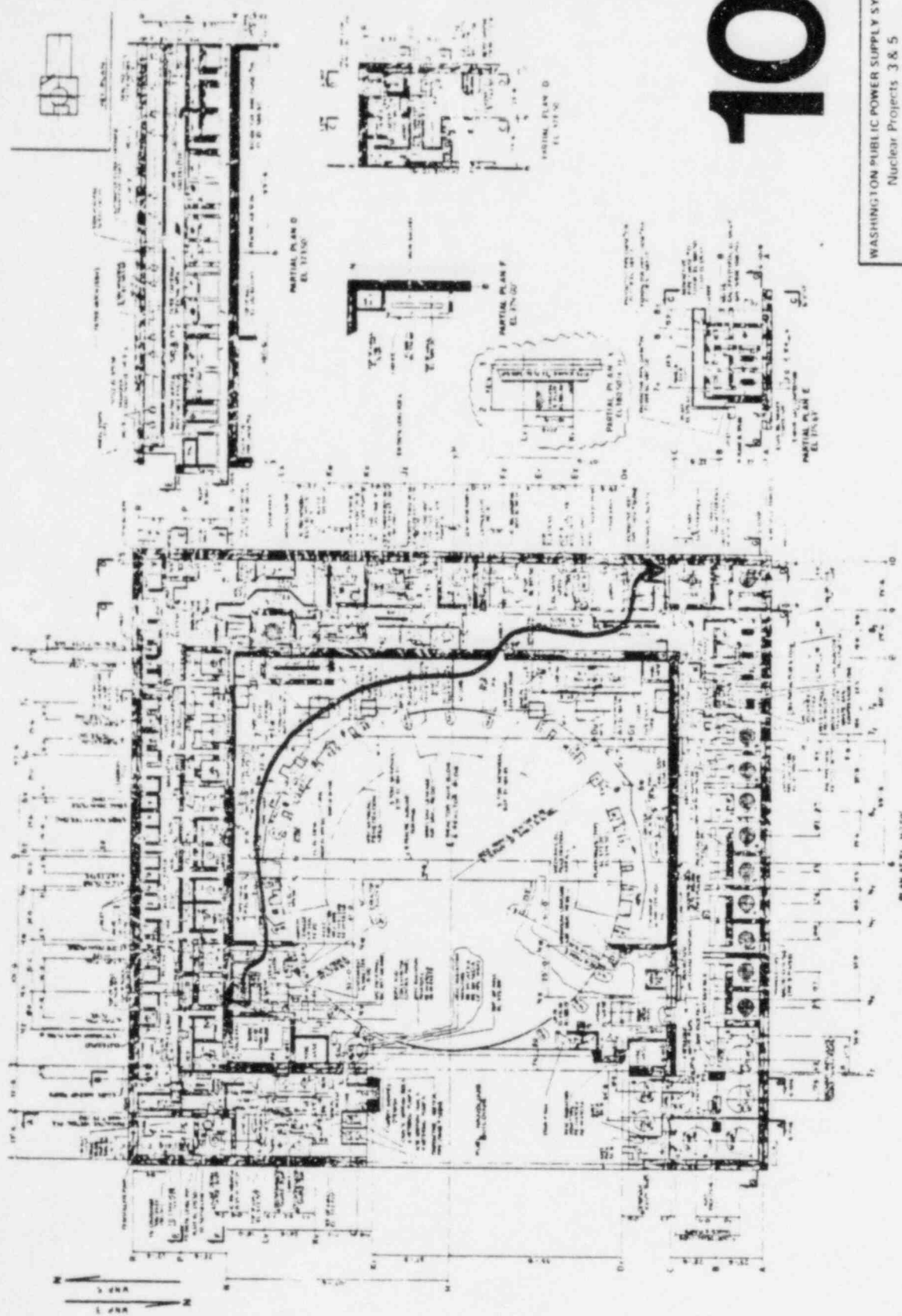


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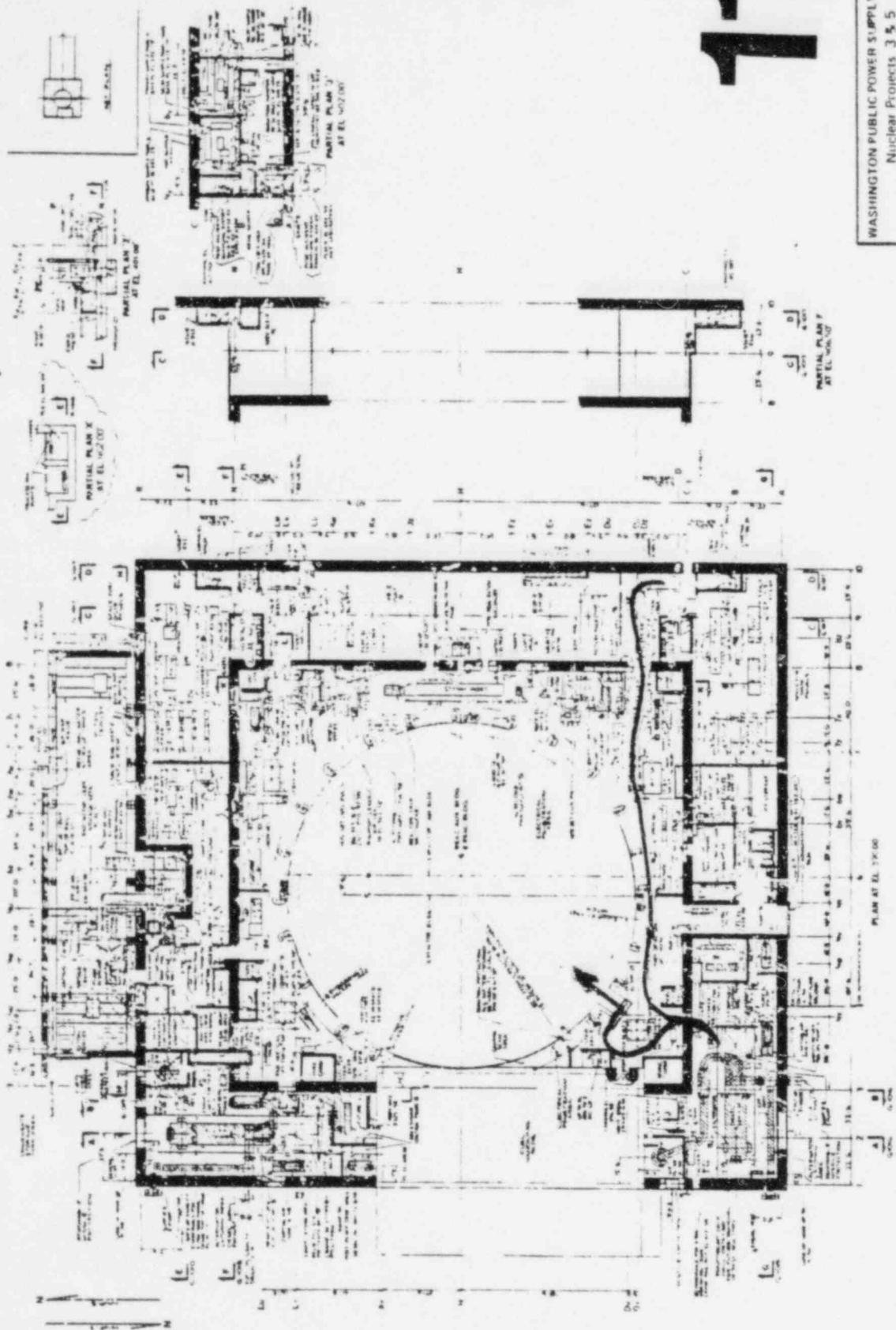
WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 Nuclear Projects 3 & 5
 FINAL SAFETY ANALYSIS REPORT
 REACTOR AUXILIARY BUILDING
 ELEVATION 335 FT
 FIGURE 1.2.9

REF DWG: WPPS 3240-G 1010

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
Nuclear Projects 3 & 5
FINAL SAFETY ANALYSIS REPORT
REACTOR AUXILIARY BUILDING
ELEVATION 362.5 FT
FIGURE 1.2.10



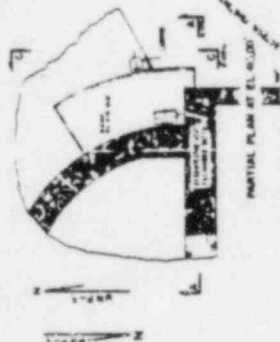
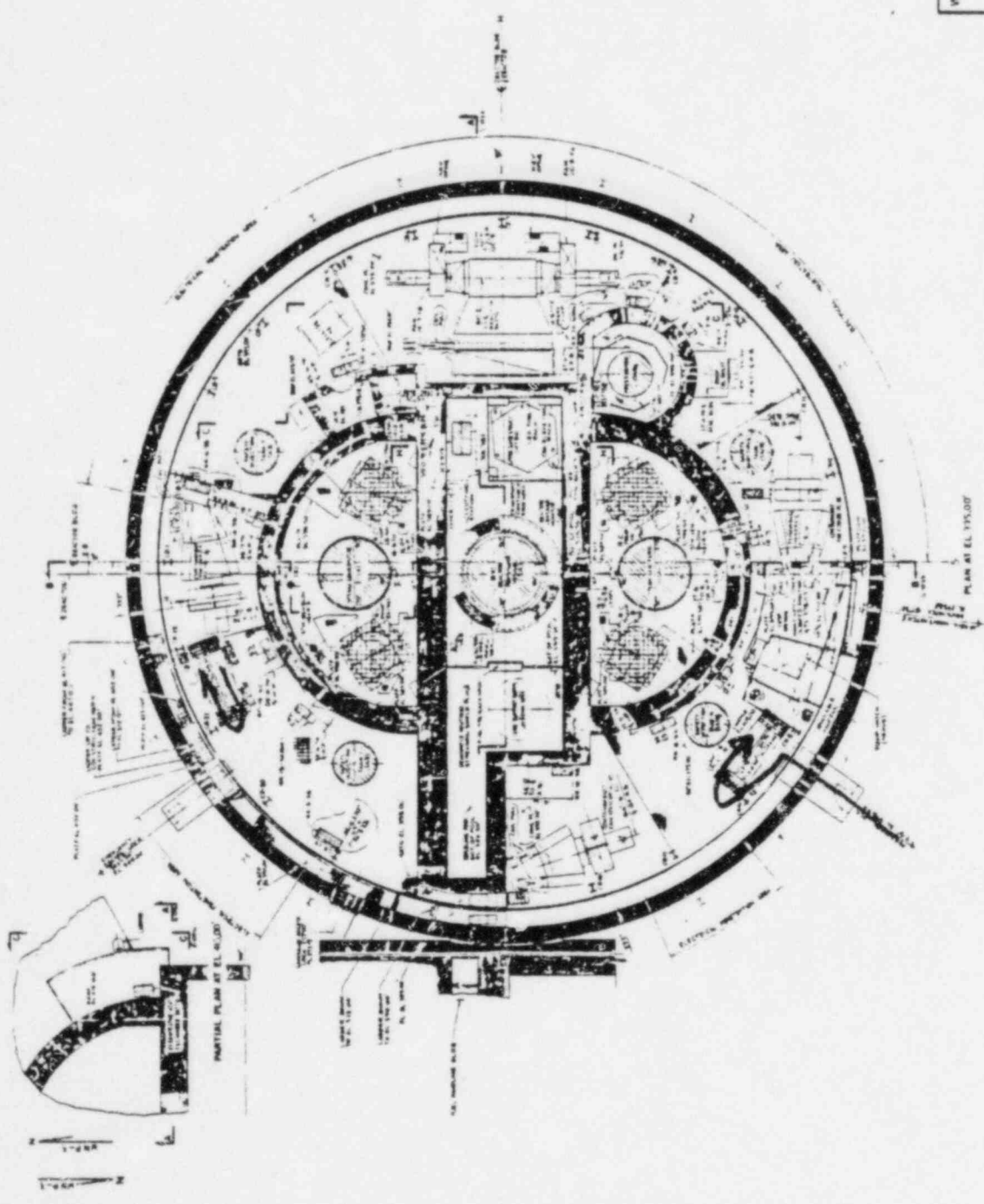
REF DWG: WPPS 3240-G 1011



11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 Nuclear Projects 3 & 5
 FINAL SAFETY ANALYSIS REPORT
 REACTOR AUXILIARY BUILDING
 ELEVATION 380 FT
 FIGURE 1.2.11

REF DWG: WPPS 3740-G-1012

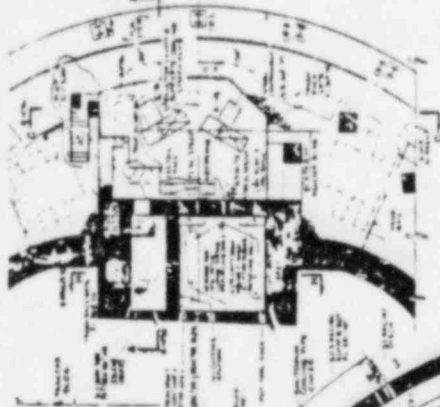
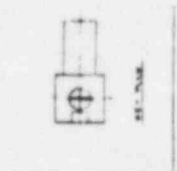


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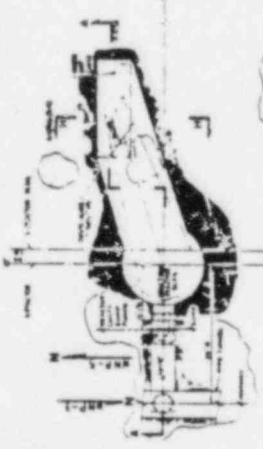
WASHINGTON PUBLIC POWER SUPPLY SYSTEM
Nuclear Projects 3 & 5
FINAL SAFETY ANALYSIS REPORT

REACTOR BUILDING
ELEVATION 395 FT
FIGURE 1.2.4

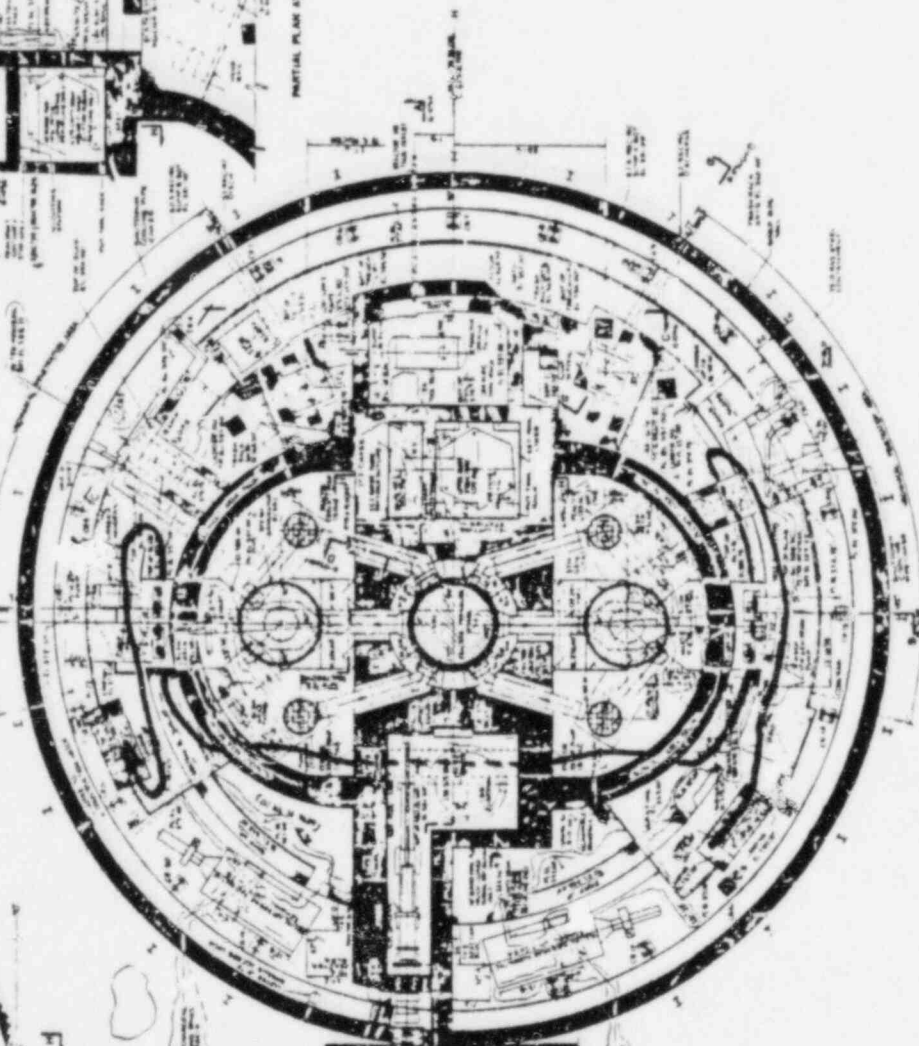
REF DWG: WPPS-3240-G-1031



PARTIAL PLAN AT EL. 11.00



PARTIAL PLAN AT EL. 11.00



PLAN AT EL. 16.00

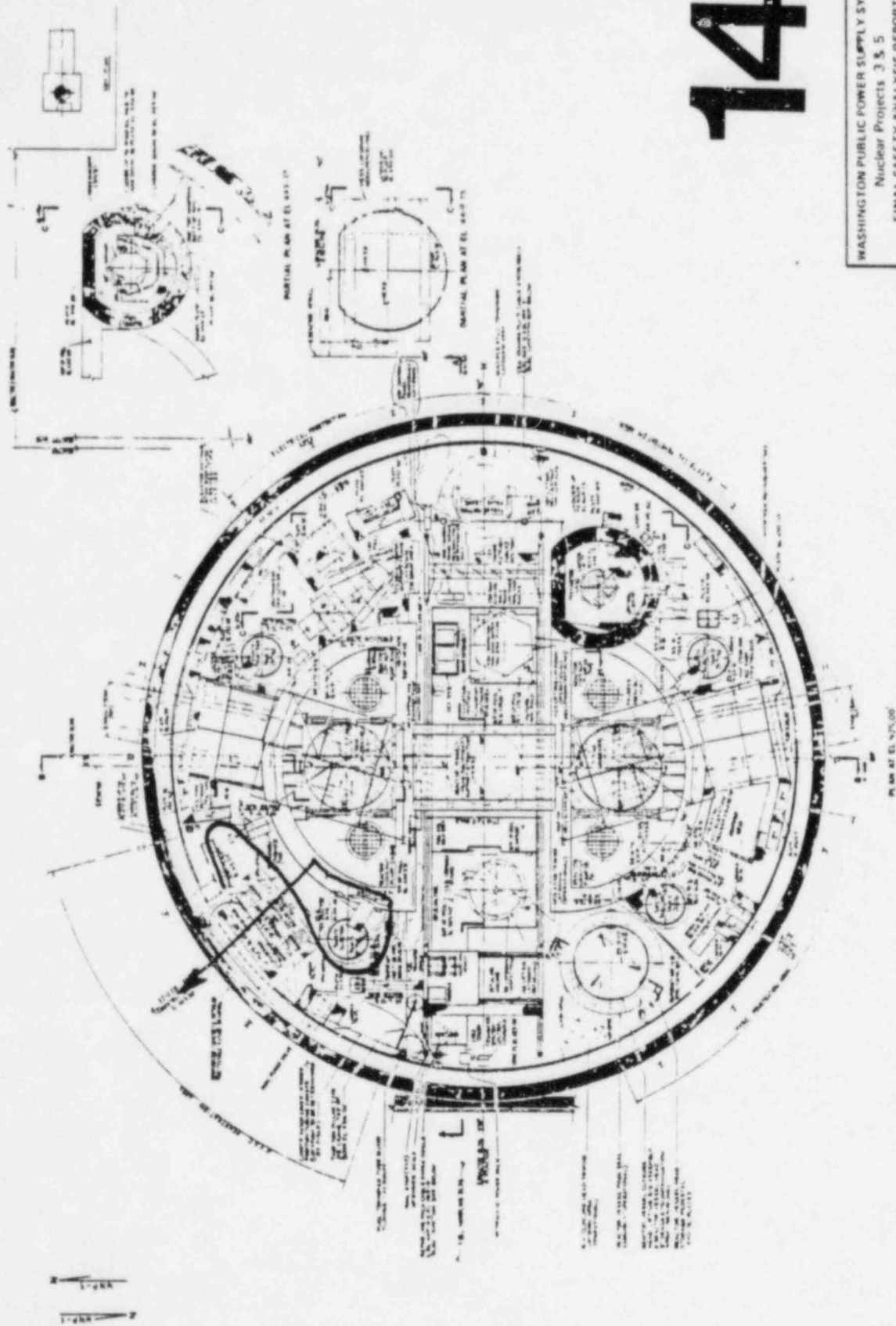
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 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

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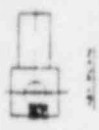
WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 Nuclear Projects 3 & 5
 FINAL SAFETY ANALYSIS REPORT

REACTOR BUILDING
 ELEVATION 365 FT
 FIGURE 1.2.3

REF DWG WPPS-2240-G-1030



REF. DWG: WPPS-3243-G-1032



GENERAL NOTES

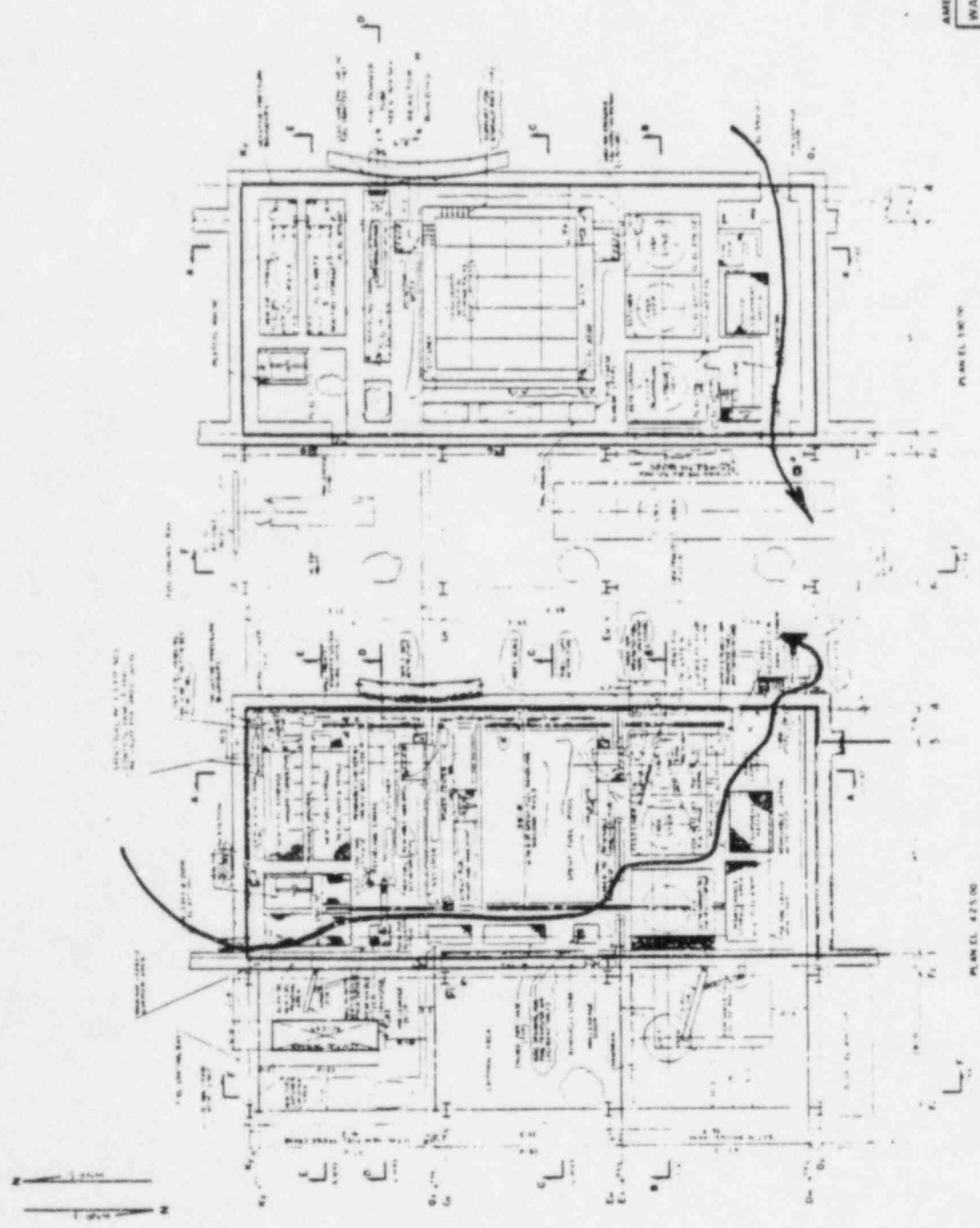
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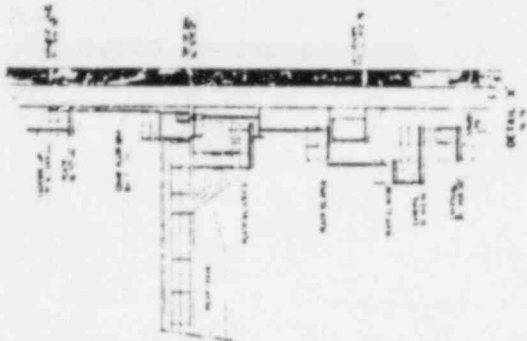
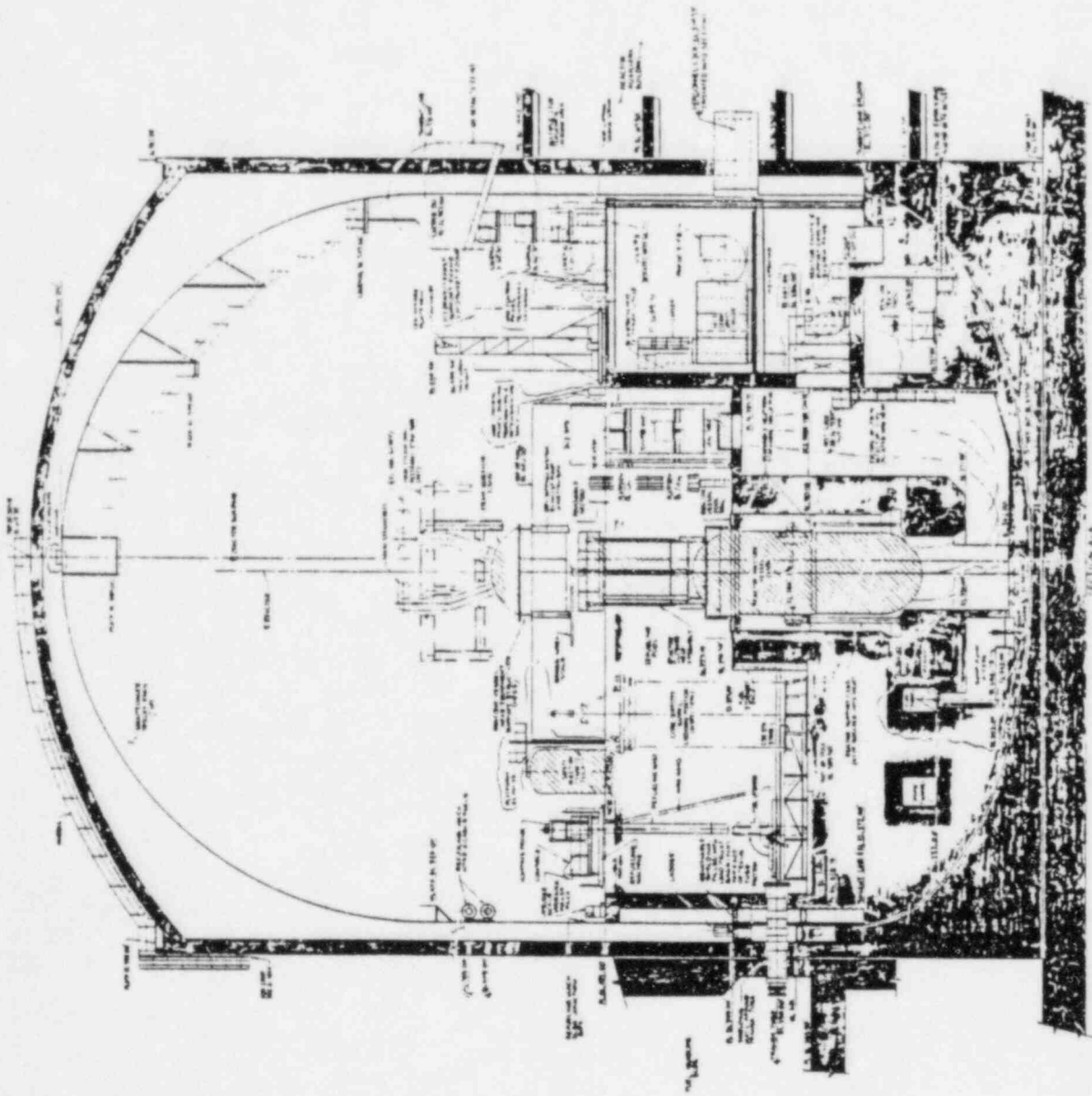
15

AMENDMENT NO. 2 (11/28/81)

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
Nuclear Projects 3 & 5
FINAL SAFETY ANALYSIS REPORT

FUEL HANDLING BUILDING
ELEVATION 425 FT AND 280 FT
FIGURE 1.2.16





WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 Nuclear Projects 3 & 5
 FINAL SAFETY ANALYSIS REPORT

REACTOR BUILDING - SECTION AA
 FIGURE 1.2.6

REF DWG: WPPS-3240-G-1024

MEETING SUMMARIES

~~Docket File (50-508)~~

NRC PDR

Local PDR

PRC System

NSIC

LB#3 Reading

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Attorney, OELD

G. W. Knighton

W. Lovelace (Caseload Forecast Panel Visits)

OPA (Caseload Forecast Panel Visits)

NRC PARTICIPANTS