

TA

TB

TC

TD

TE

B/B

GENERATOR

LP TUR.

LP HTRS

EXC. TUR.

CONV.
CONV.TRUCK
ACCESS

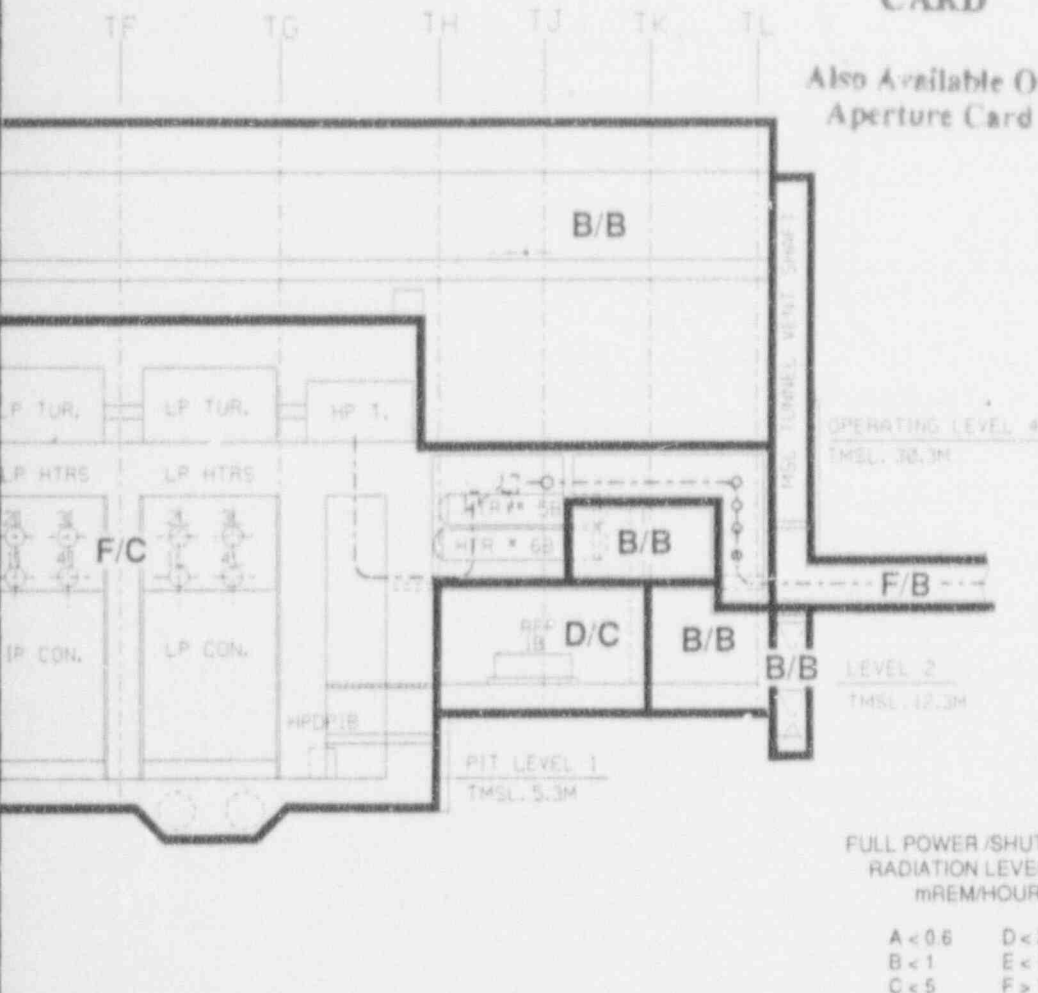
HP CON.

RADWASTE
TUNNEL

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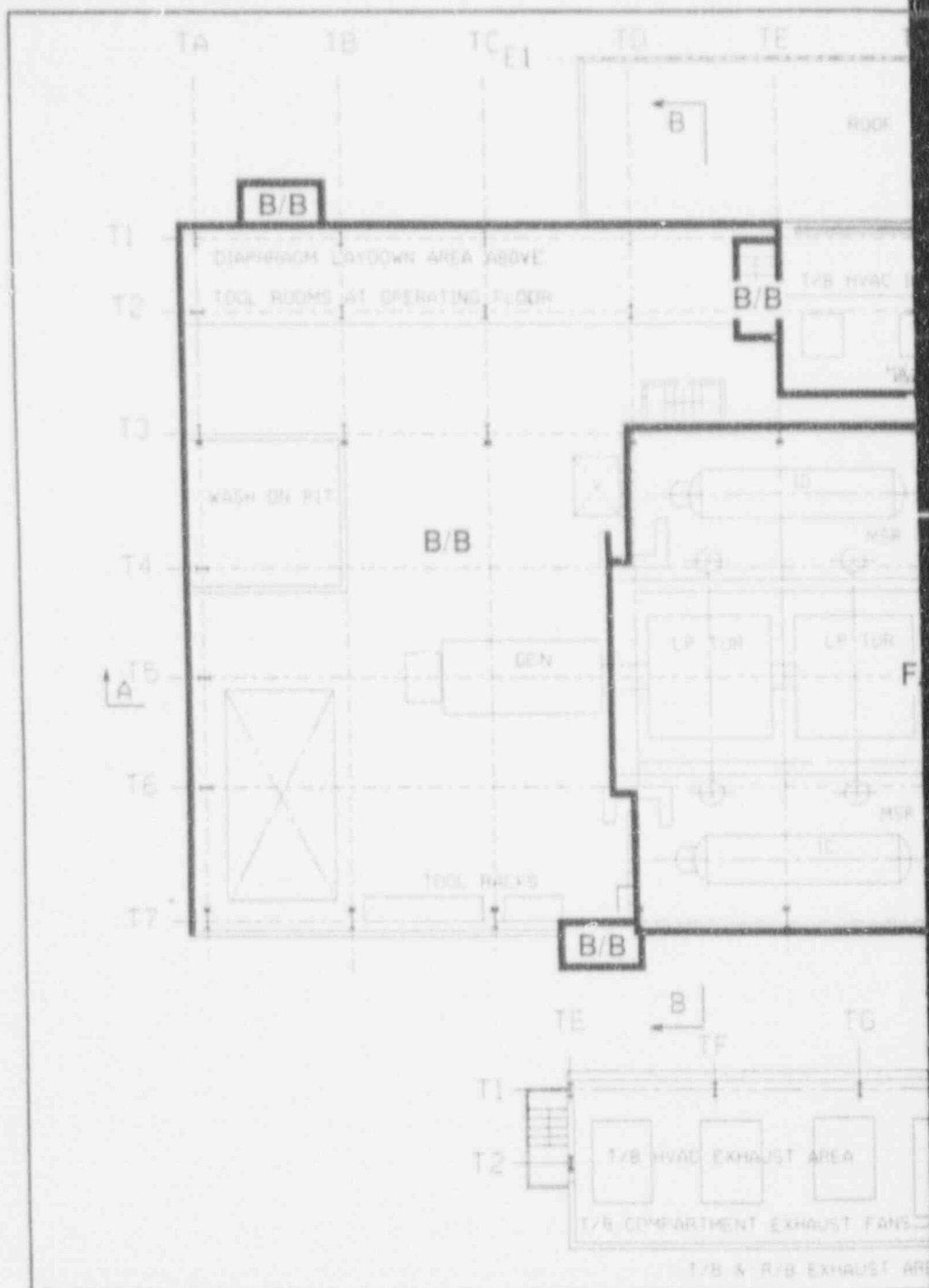
Also Available On
Aperture Card

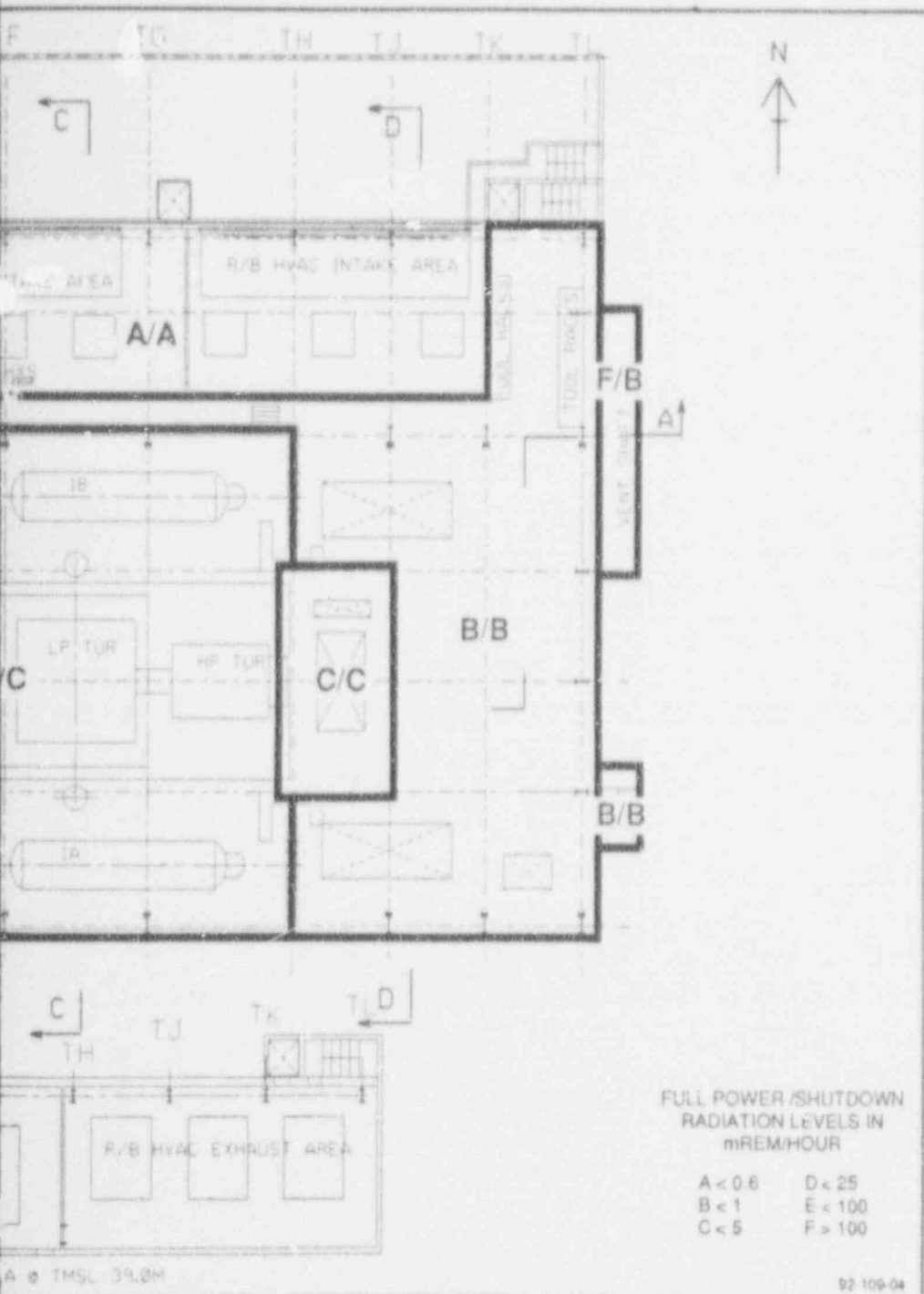


9206260170 920626
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Figure 12.3-53 TURBINE BUILDING RADIATION ZONE AT NORMAL
OPERATION LONGITUDINAL SECTION AA

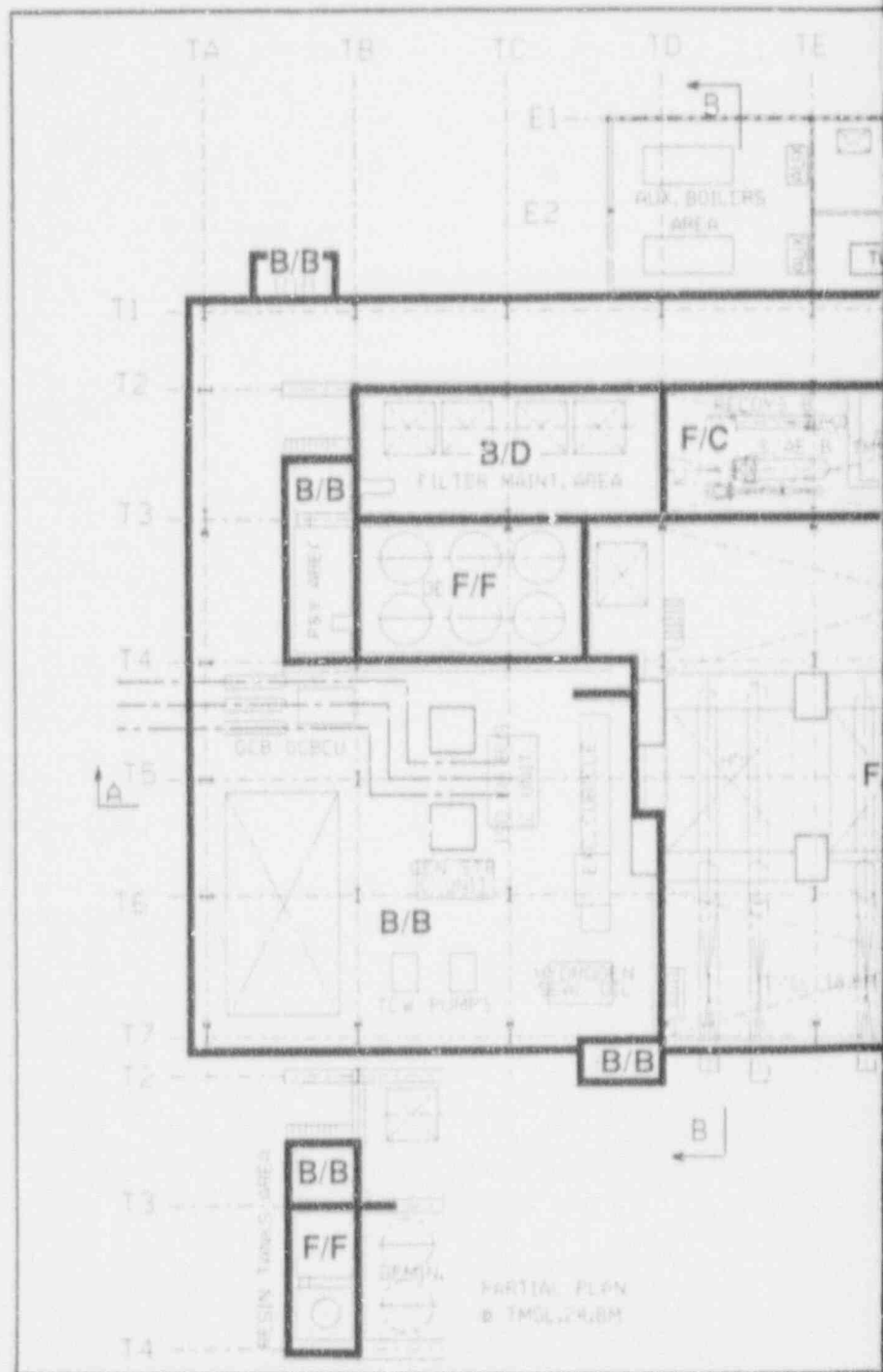




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Figure 12.3-52 TURBINE BUILDING RADIATION ZONE AT ELEVATION TMSL 30.3M



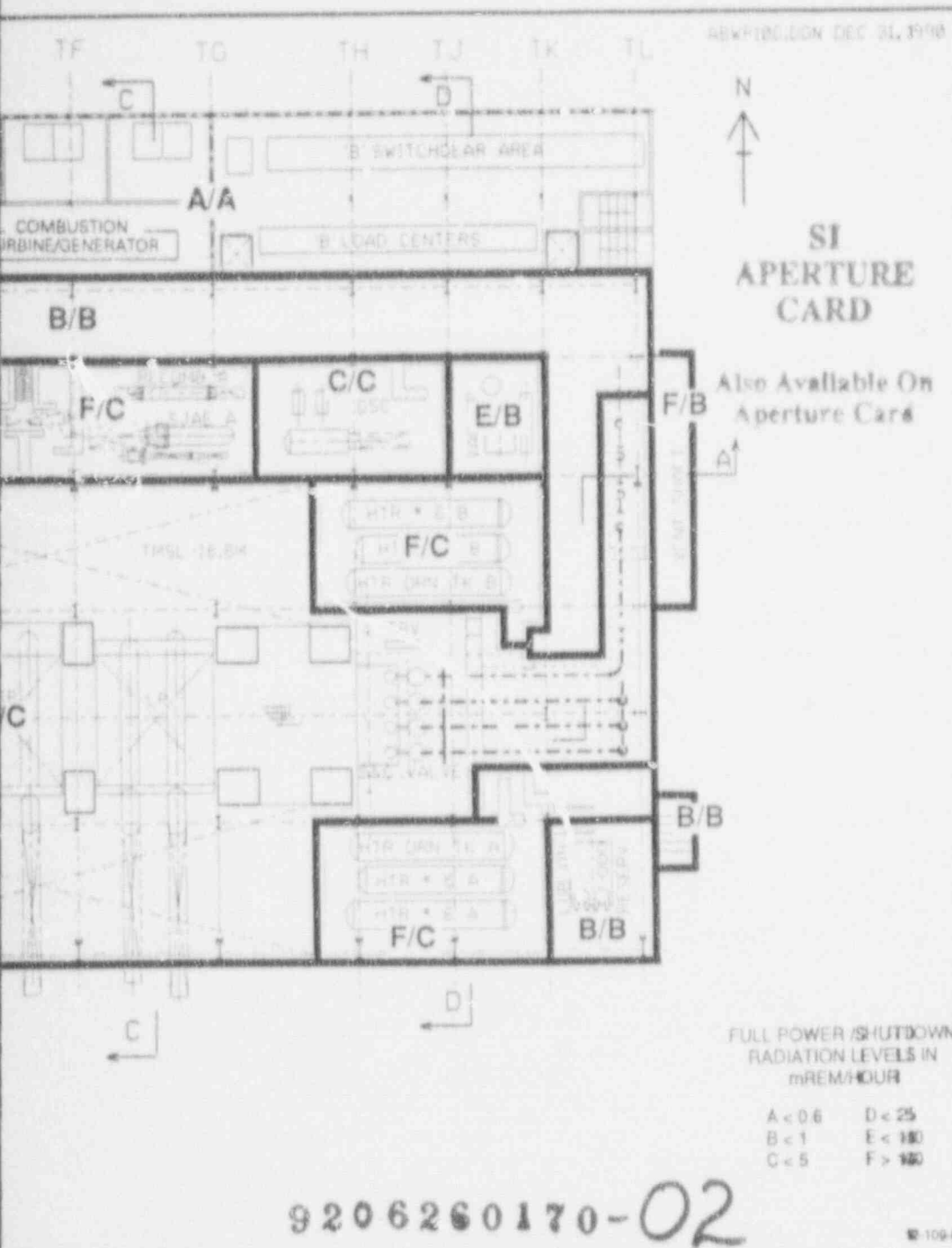
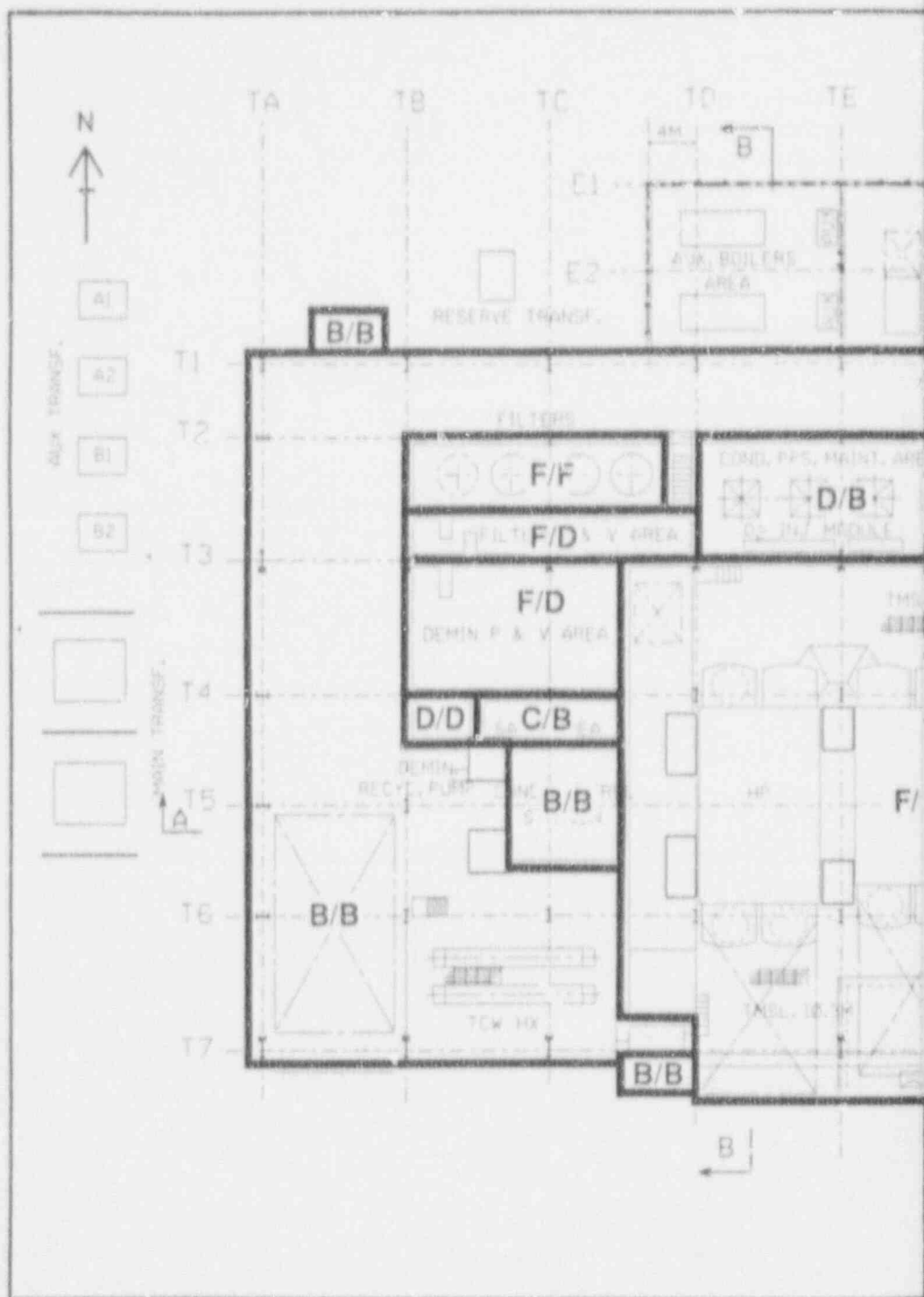
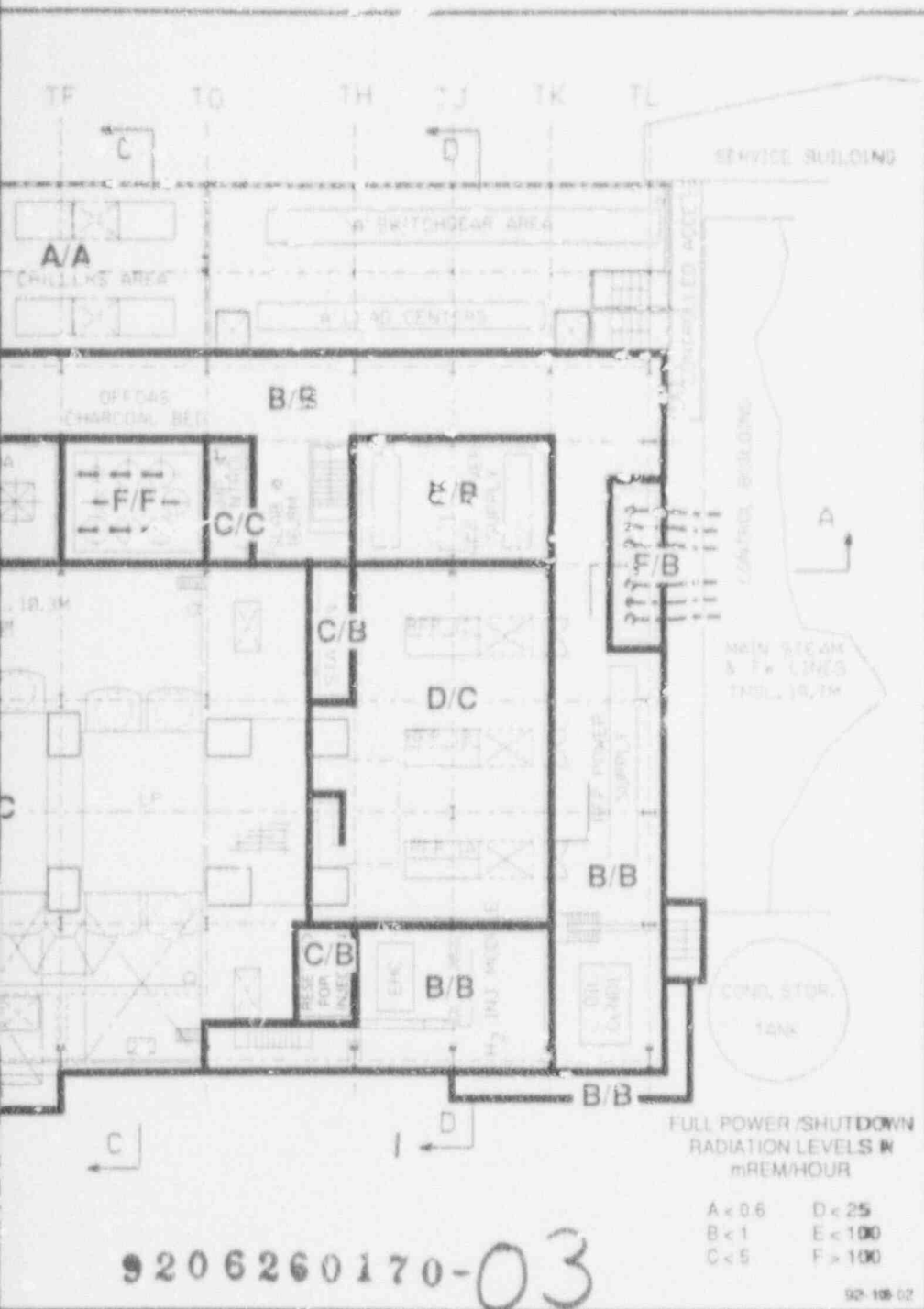


Figure 12.3-51 TURBINE BUILDING RADIATION ZONE AT ELEVATION TMSL 20.3M





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Figure 12.3-50 TURBINE BUILDING RADIATION ZONE AT ELEVATION TMSL 12.3M

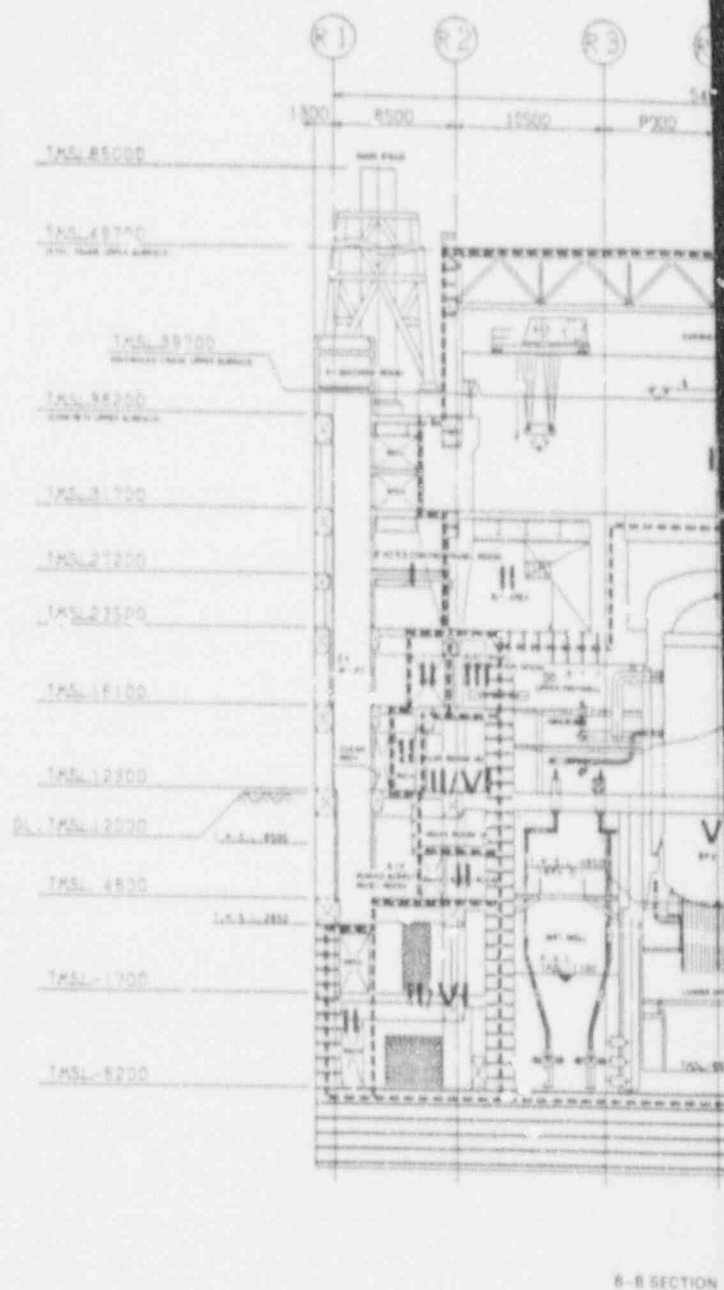


Figure 12.3-22. Reactor Building Radiation Zone Map Post Loca at Cross Section B-B

Also Available On
Aperture Card

Also Available On
Aperture Card

ZONE	DITCH RATE (CUBIC)
1	= 0.5
2	= 1.0
3	= 1.5
4	= 2.0
5	= 2.5
6	= 3.0

9206260170-04

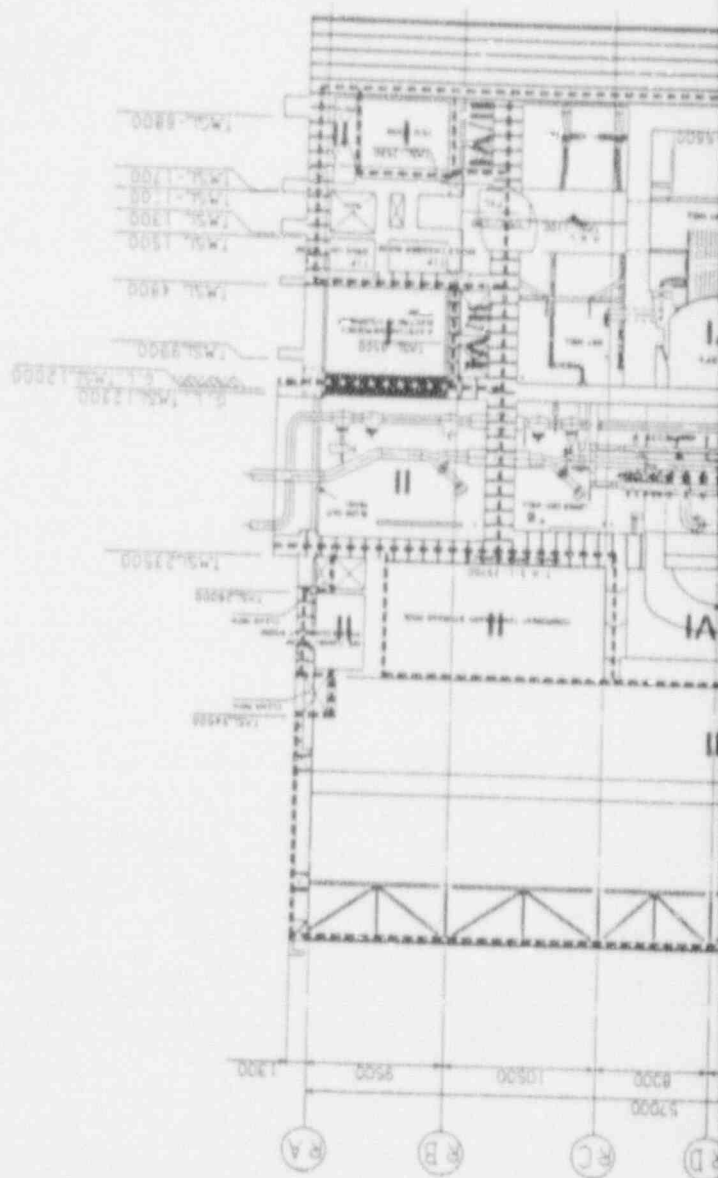
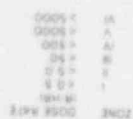
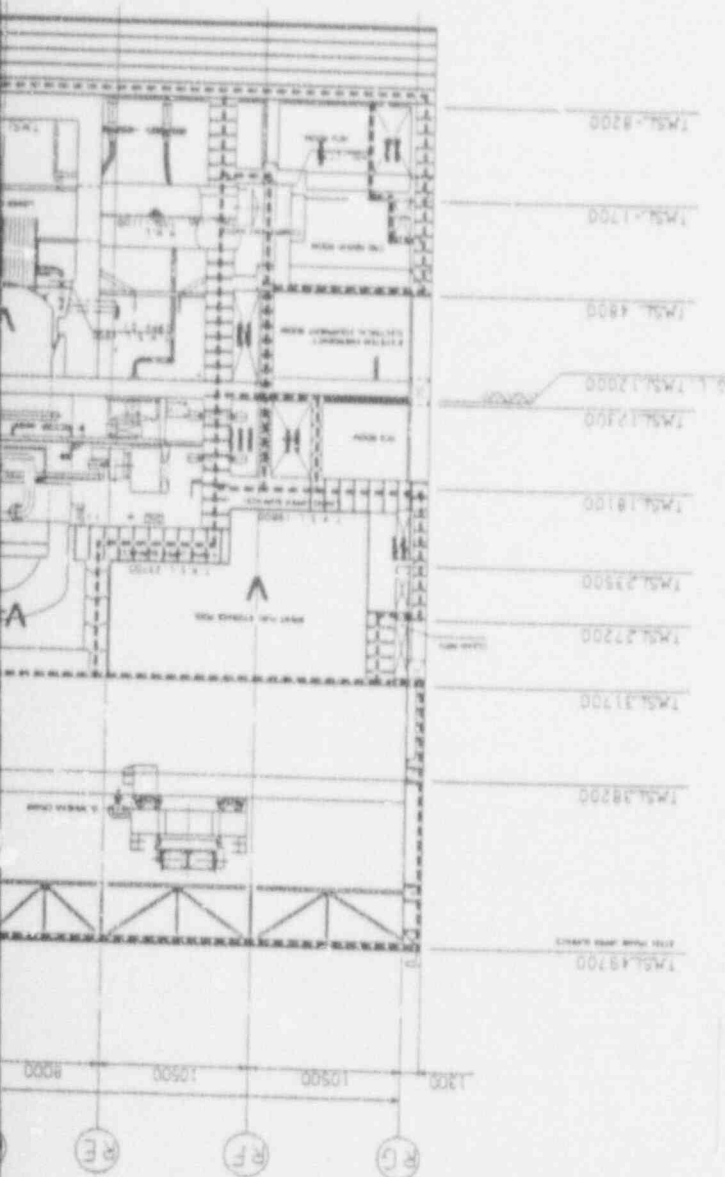


Figure 12.5-21. Reactor Building Radiation Zone Map Post Loca at Cross Section

A-A 52



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Also Available On
Aperture Card

6206260170-05

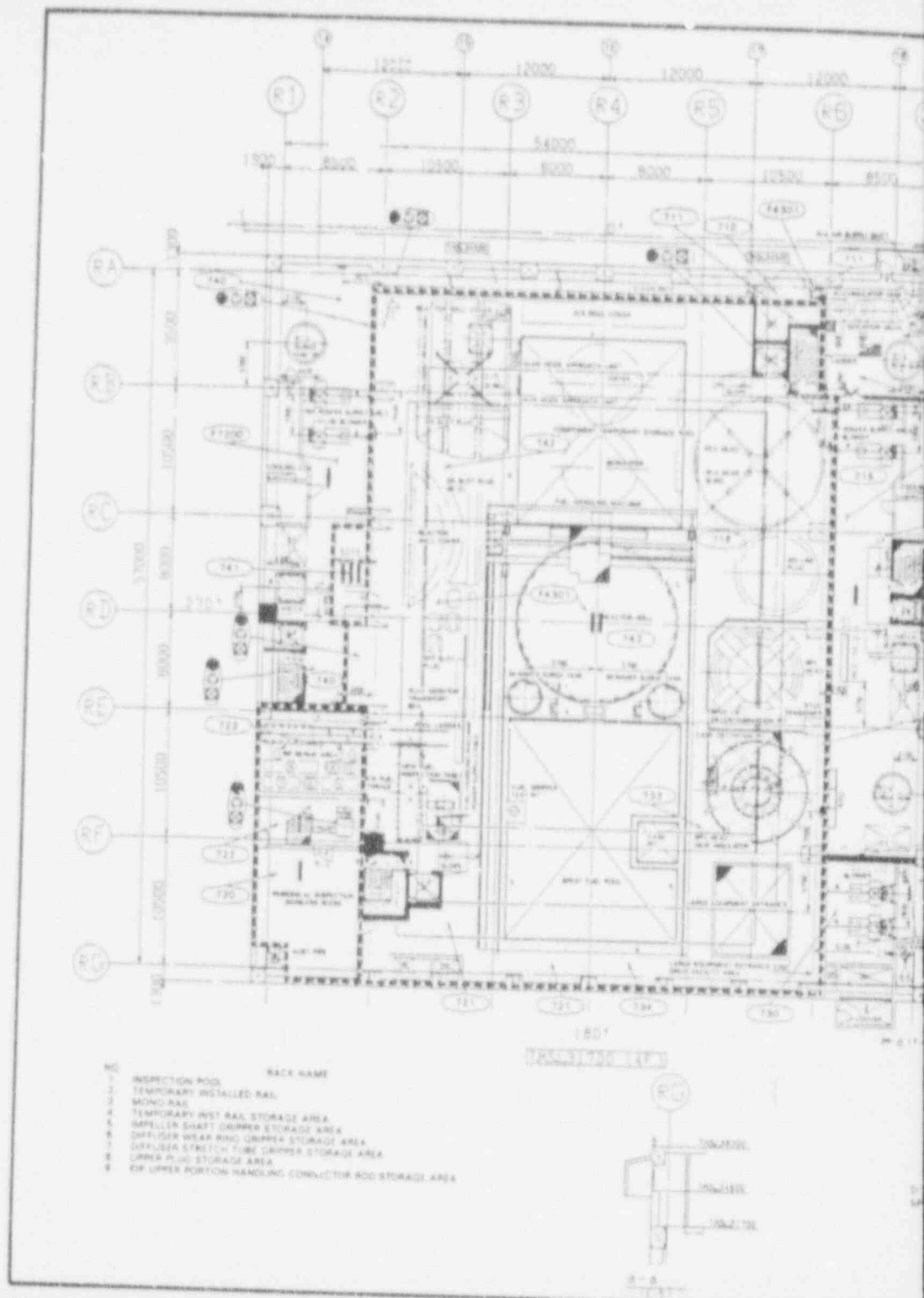


Figure 12.3-20. Reactor Building Radiation Zone Map Post Loca at Elevation 31700

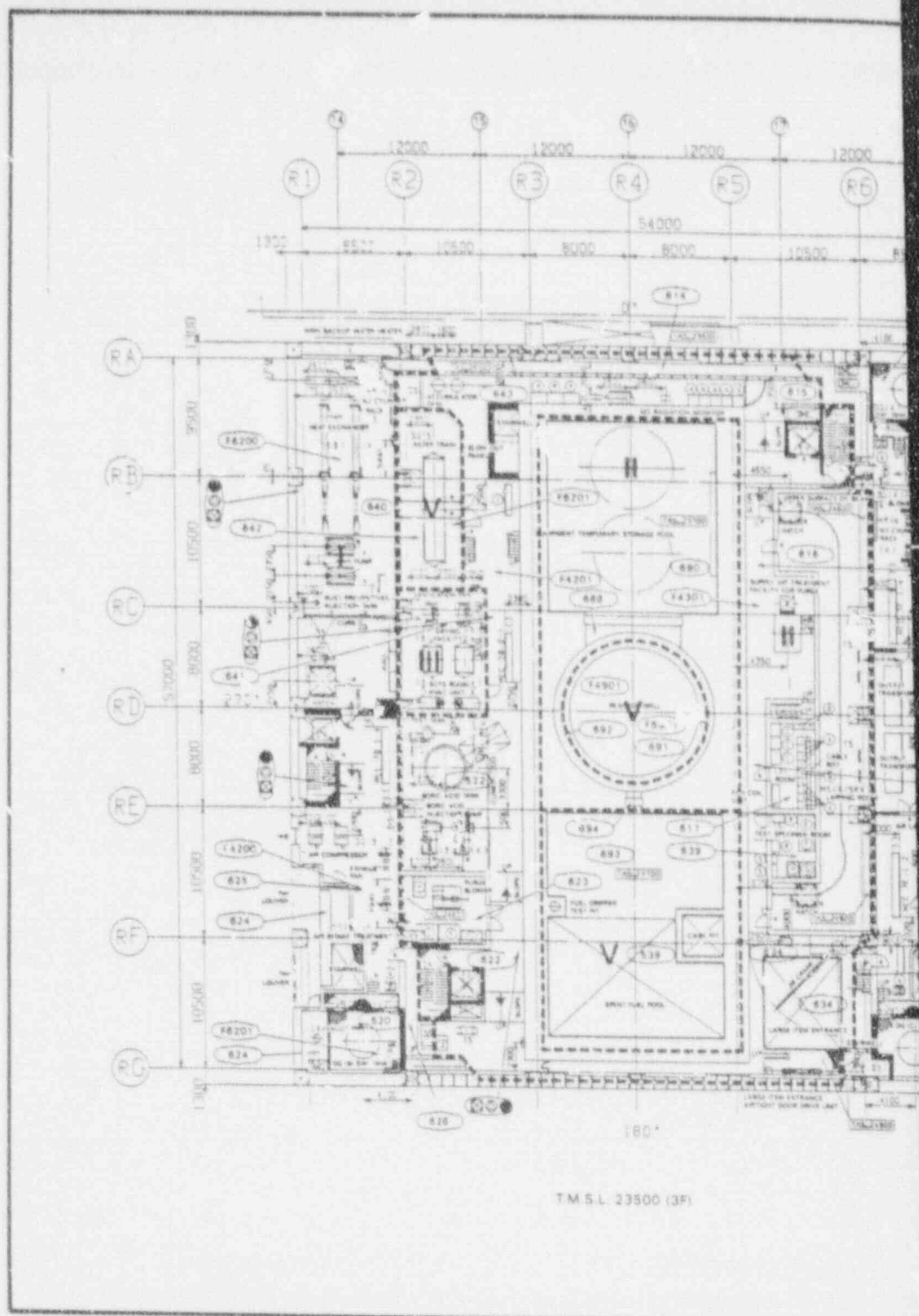
Also Available On
Aperture Card



1. *Adapted from the 1990-1991 Survey of the Health of the Nation.*

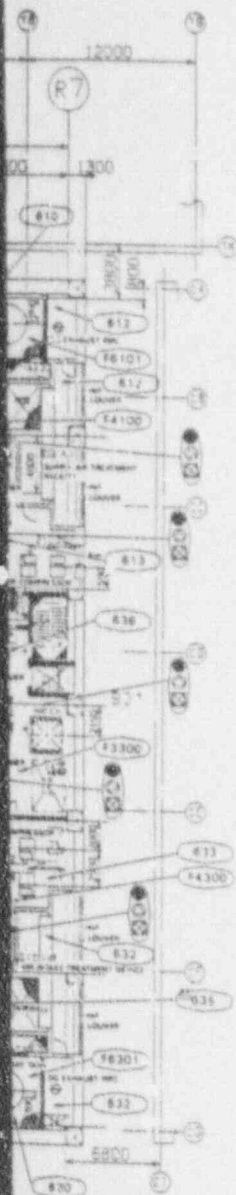
ZONE	NOISE RATE (N/L/HR)
I	< 0.5
II	< 5.0
III	< 50
IV	< 500
V	< 5000
VI	> 5000

9206260170-06



SI APERTURE CARD

Also Available On
Aperture Card



INSTRUMENT RACK

NO.	RACK NAME	QTY
D41	H22-P043	1
D23	H22-P044A	2
D23	H22-P044B	3

STANDBY GAS TREATMENT SYSTEM INSTRUMENT RACK

CONTAINMENT VESSEL ATMOSPHERE MONITOR

CALIBRATION GAS CYLINDER RACK A

CONTAINMENT VESSEL ATMOSPHERE MONITOR

CALIBRATION GAS CYLINDER RACK B

SCRAM SEISMIC SENSOR

IN-ROOM AND AUXILIARY FACILITIES

NO.	FACILITY NAME	QTY	REMARKS: EQUIPMENT
A	CONTROL DATA COLLECTION EQUIPMENT	1	D-5 RT
B	STABILIZED POWER SUPPLY SYSTEM	1	CASE RT
C	DESK	1	SPENT FUEL STORAGE ROOM
D	STORAGE	1	IS INSPECTION ROOM
E	CALIBRATION TEST PIECE FOR M/S NOZZLE CORNER	2	SOTS FILTER TRAIN
F	CALIBRATION TEST PIECE FOR NOZZLE CORNER	1	SOTS FAN
G	CALIBRATION TEST PIECE FOR NOZZLE CORNER	1	S/C PUMP
H	CALIBRATION TEST PIECE FOR NOZZLE CORNER	1	S/C TANK
I	RPV SHELL ADJUST TEST FACILITY	1	S/C TANK
J	BOTTOM PLATE ADJUST TEST FACILITY	1	S/C TEST TANK
K	NOZZLE ADJUST TEST FACILITY	1	DG (A) DAY TANK
L	RPV ADJUST TEST FACILITY	1	DG (B) DAY TANK
M	IS DEVICE STORAGE	5	DG (C) DAY TANK
N	IS DEVICE STORAGE	3	VWV PUMP
O	RPV CALIBRATION TEST PIECE STORAGE	2	VWV RT
P	RPV CONSUMABLE MATERIALS AND CALIBRATION TEST PIECE STORAGE	2	
Q	RPV CALIBRATION TEST PIECE STORAGE	2	

ZONE	DOSE (RA, S)
I	<0.5
II	<5.0
III	<50
IV	<500
V	<5000
VI	>5000

9206260170-08

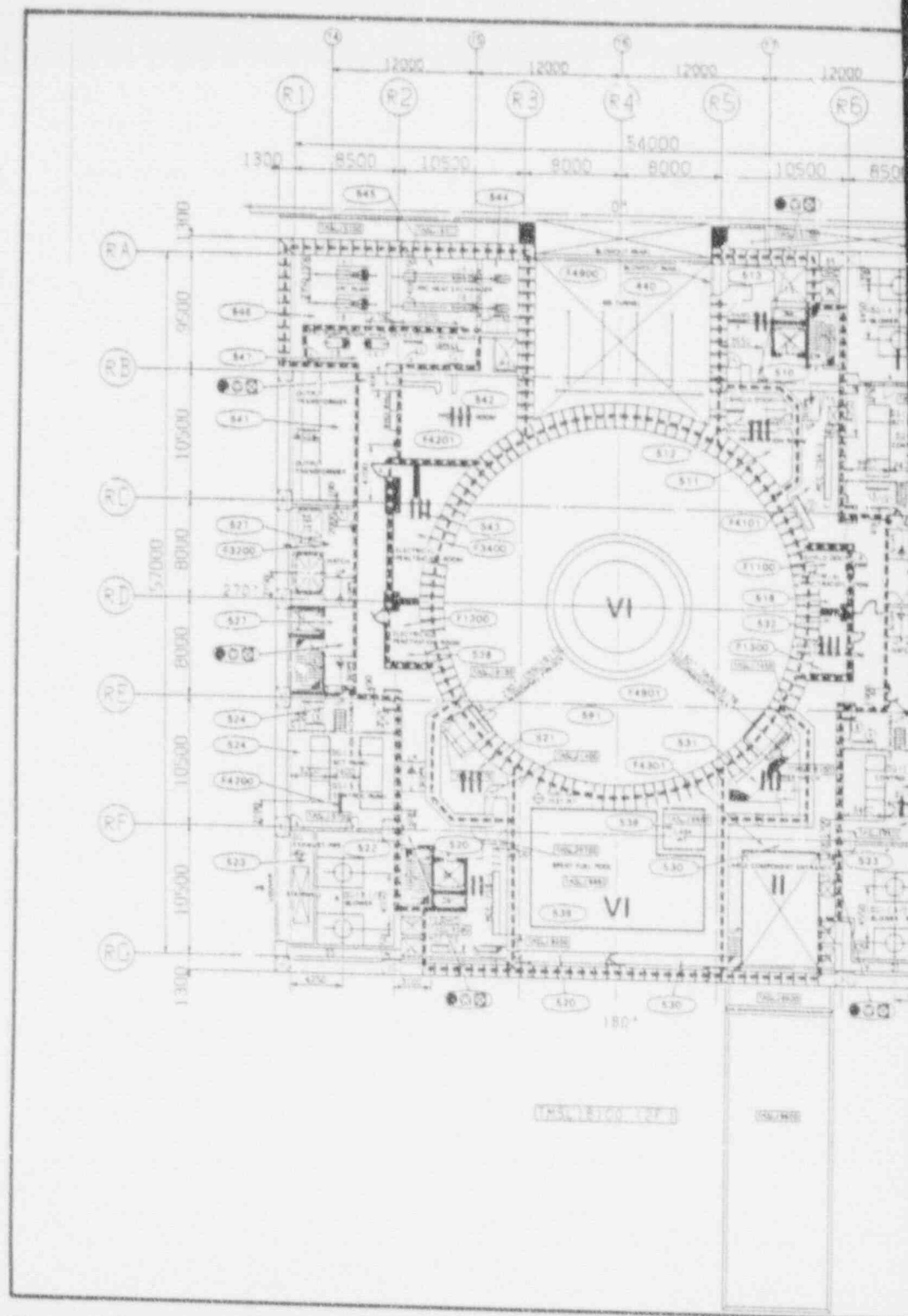
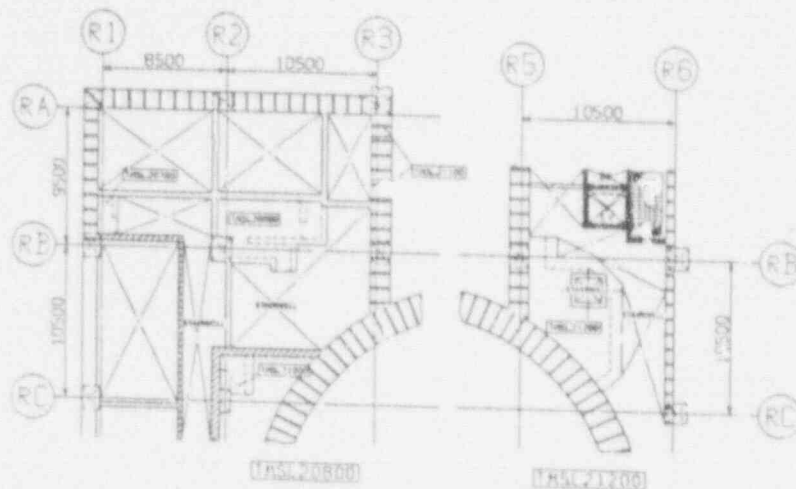


Figure 12.3-17. Reactor Building Radiation Zone 54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-12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INSTRUMENT RACK LIST

NO	RACK NAME
1	FUEL POOL COOLING CLEANUP SYSTEM INSTRUMENT RACK
2	MSH LEAK TEST INSTRUMENT RACK

FOAM FIRE EXTINGUISHER LIST

NO	RACK NAME
A	FOAM LIQUID TANK
B	FOAM INJECTION EQUIPMENT

REMARKS: EQUIPMENT

FRC: HE
 FRC: PUMP
 FUEL HANDLING MACHINE TEST PIT
 SPENT FUEL STORAGE POOL
 CASE PIT
 DIGIAC CONTROL PANEL
 DIGIBI CONTROL PANEL
 DIGIC1 CONTROL PANEL
 DIGIAC2 SUPPLY FAN
 DIGIBI2 SUPPLY FAN
 DIGIC2 SUPPLY FAN

ZONE	DOSSE RATE (R-HS)
I	< 0.5
II	< 5.0
III	< 50
IV	< 500
V	< 5000
VI	> 5000

SI APERTURE CARD

Also Available On
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9206260170-09

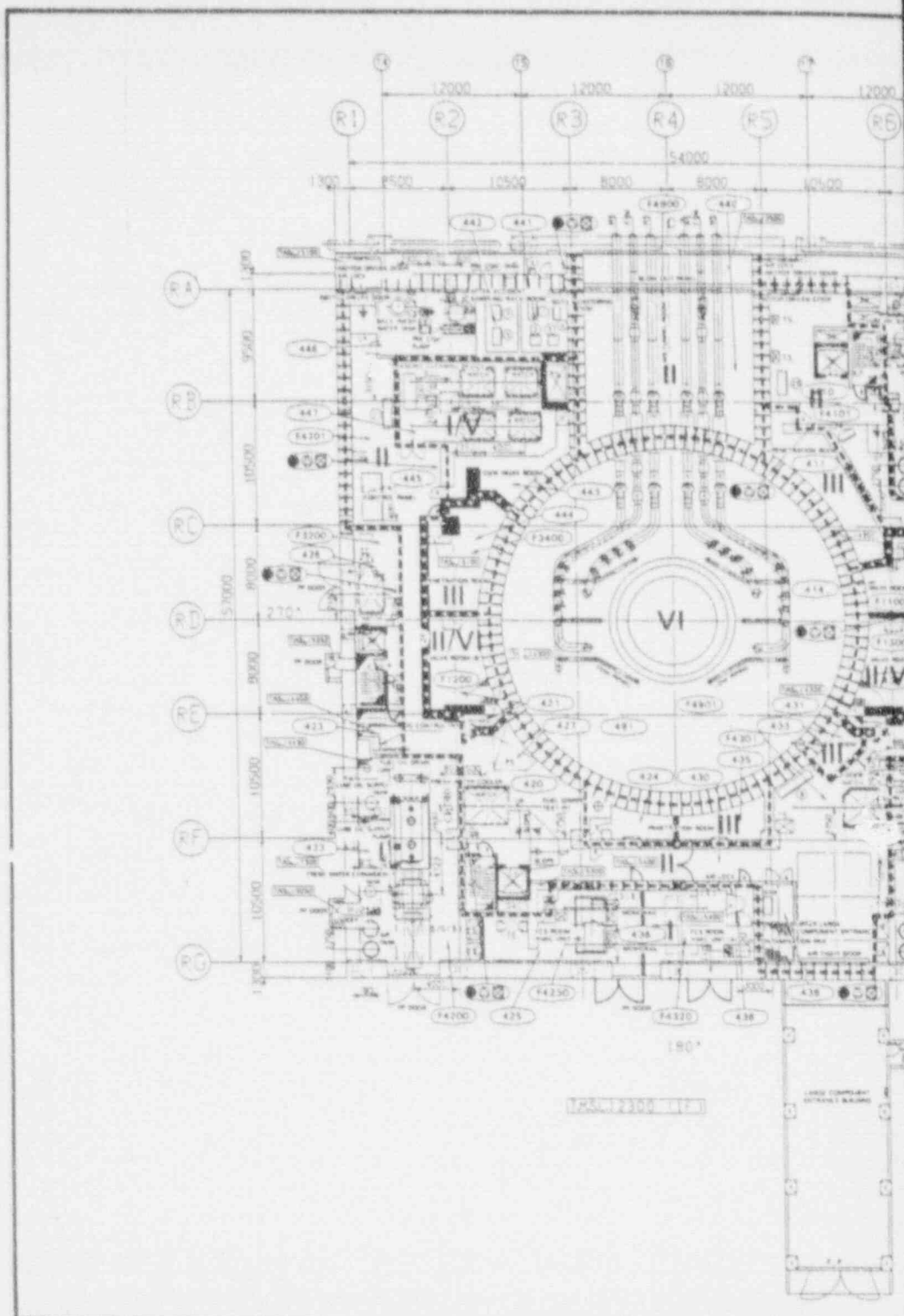


Figure 12.3-16. Reactor Building Radiation Zone Map Post Loca at Elevation 12300 (1)

SI APERTURE CARD

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REMARKS:
EQUIPMENT
PRE COAT PUMP
FUEL HANDLING MACHINE TEST KIT

INSTRUMENT RACK LIST

NO. NAME

1. POST ACCIDENT SAMPLE TRANSFER RACK
2. POST ACCIDENT SAMPLE RECOVERY RACK
3. POST ACCIDENT SAMPLING LOCAL OPERATING PANEL
4. STANDBY GAS TREATMENT SYSTEM OFF GAS RADIATION MONITOR GAS/LI RACK
5. STANDBY GAS TREATMENT SYSTEM OFF GAS RADIATION MONITOR GAS SAMPLER RACK (A)
6. STANDBY GAS TREATMENT SYSTEM OFF GAS RADIATION MONITOR GAS SAMPLER RACK (B)
7. STANDBY GAS TREATMENT SYSTEM OFF GAS RADIATION MONITOR PARTICULATE IODINE SAMPLE RACK
8. STANDBY GAS TREATMENT SYSTEM OFF GAS RADIATION MONITOR PARTICULATE IODINE SAMPLE RACK
9. OPERATING PANEL
10. CONTAINMENT VESSEL PRESSURE LEAK TEST RACK
11. REACTOR CONTAINMENT VESSEL DOW POINT RECORDER RACK

ZONE DOSE RATE

- W.H.R.
- I < 0.5
 - II < 5.0
 - III < 50
 - IV < 500
 - V < 5000
 - VI > 5000

9206260170-10

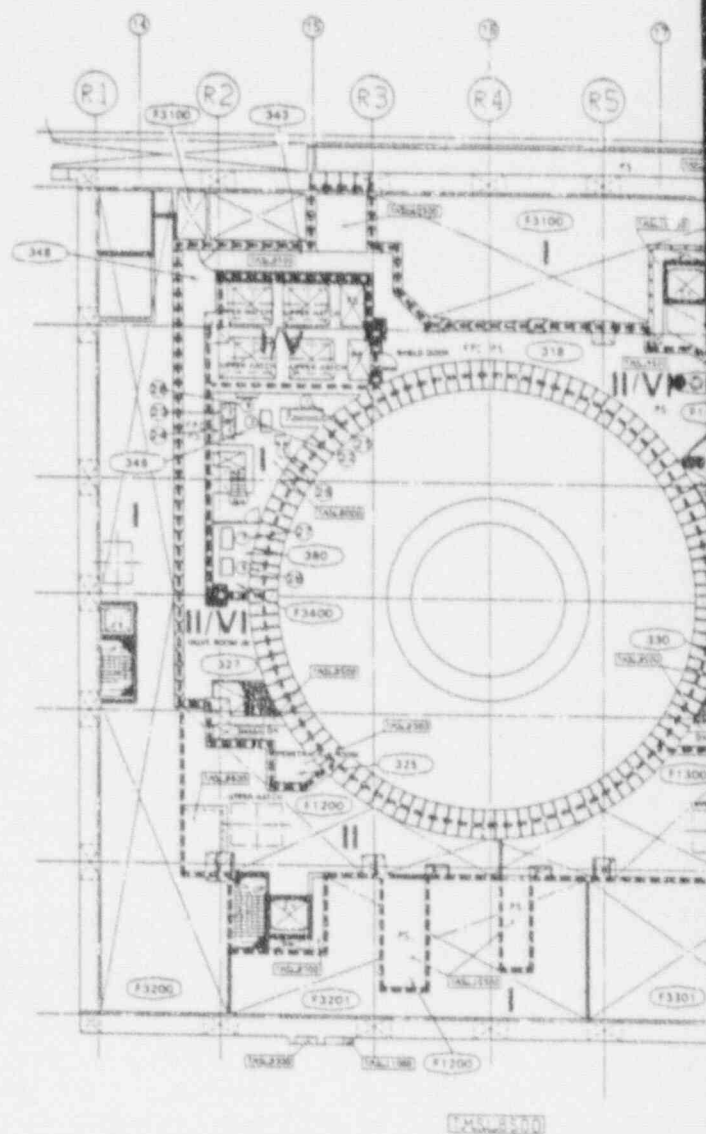
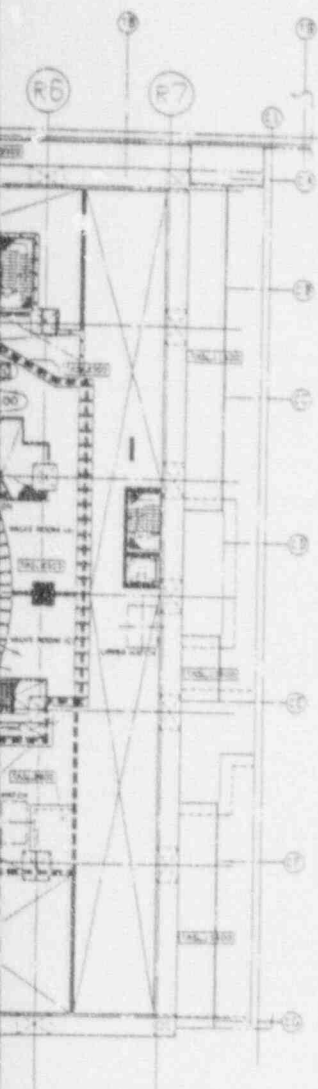


Figure 12.3-15. Reactor Building Radiation Zone Map Post Loca at Elevation 8

SI APERTURE CARD

Also Available On
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NO. RACK LIST

1. REACTOR SYSTEM (B) INSTRUMENT RACK
2. REACTOR SYSTEM (B) INSTRUMENT RACK
3. REACTOR SYSTEM (B) INSTRUMENT RACK
4. REACTOR SYSTEM (B) INSTRUMENT RACK
5. MAIN STEAM FLOW (B) INSTRUMENT RACK
6. MAIN STEAM FLOW (B) INSTRUMENT RACK
7. MAIN STEAM FLOW (B) INSTRUMENT RACK
8. MAIN STEAM FLOW (B) INSTRUMENT RACK
- 9A. LEAK DETECTION SYSTEM (A) INSTRUMENT RACK
- 9C. LEAK DETECTION SYSTEM (C) INSTRUMENT RACK
- 10B. LEAK DETECTION SYSTEM (B) INSTRUMENT RACK
- 10D. LEAK DETECTION SYSTEM (D) INSTRUMENT RACK
11. REACTOR WATER SAMPLING TRANSMITTER PANEL
12. R/C TO SAMPLING TRANSMITTER

NO. RACK LIST

14. R/C TO MAIN VALVE RACK
15. R/C TO CONDUCTIVITY METER RACK
16. R/C TO SAMPLING HOOD
17. R/C TO INSTRUMENT RACK (B)
18. R/C TO INSTRUMENT RACK (A)
19. R/C TO INSTRUMENT RACK (B)
20. R/C TO INSTRUMENT RACK (A)
21. REACTOR WATER SAMPLING COVER RACK
22. REACTOR WATER SAMPLING DEPRESSURIZATION RACK
23. REACTOR WATER pH METER RACK
24. REACTOR WATER DISSOLVED OXYGEN METER
25. REACTOR WATER CONDUCTIVITY METER RACK
26. REACTOR WATER SAMPLING HOOD
27. REACTOR WATER GRAV SAMPLING RACK
28. R/C RELATED AD VALVE RACK

REMARKS:

(EQUIPMENT)

EMERGENCY ELECTRIC ROOM (A)

EMERGENCY ELECTRIC ROOM (B)

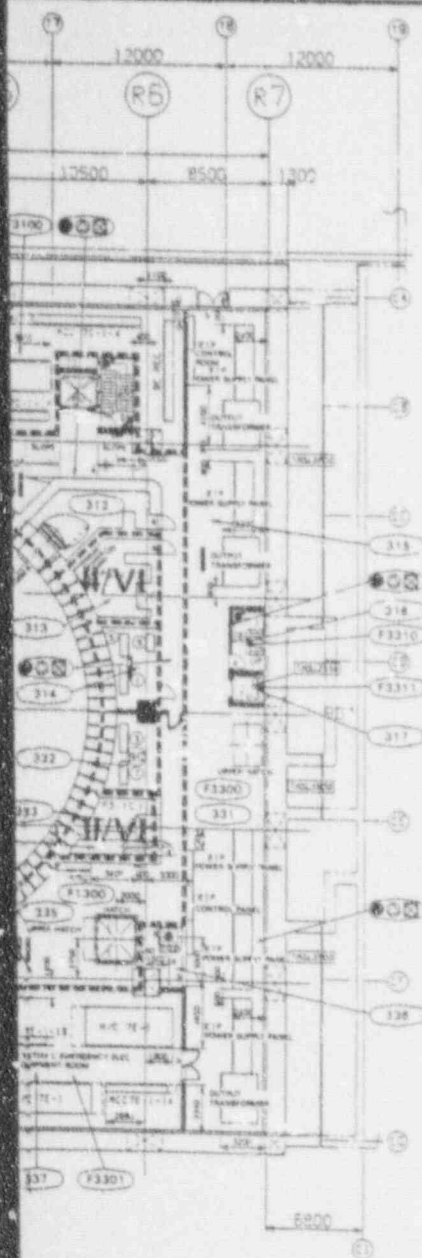
EMERGENCY ELECTRIC ROOM (C)

R/S PANEL

A/P PANEL

ZONE	DOSE RATE (R/HR)
I	< 0.5
II	< 5.0
III	< 50
IV	< 500
V	< 5000
VI	> 5000

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SI
APERTURE
CARD

Also Available On
Aperture Card

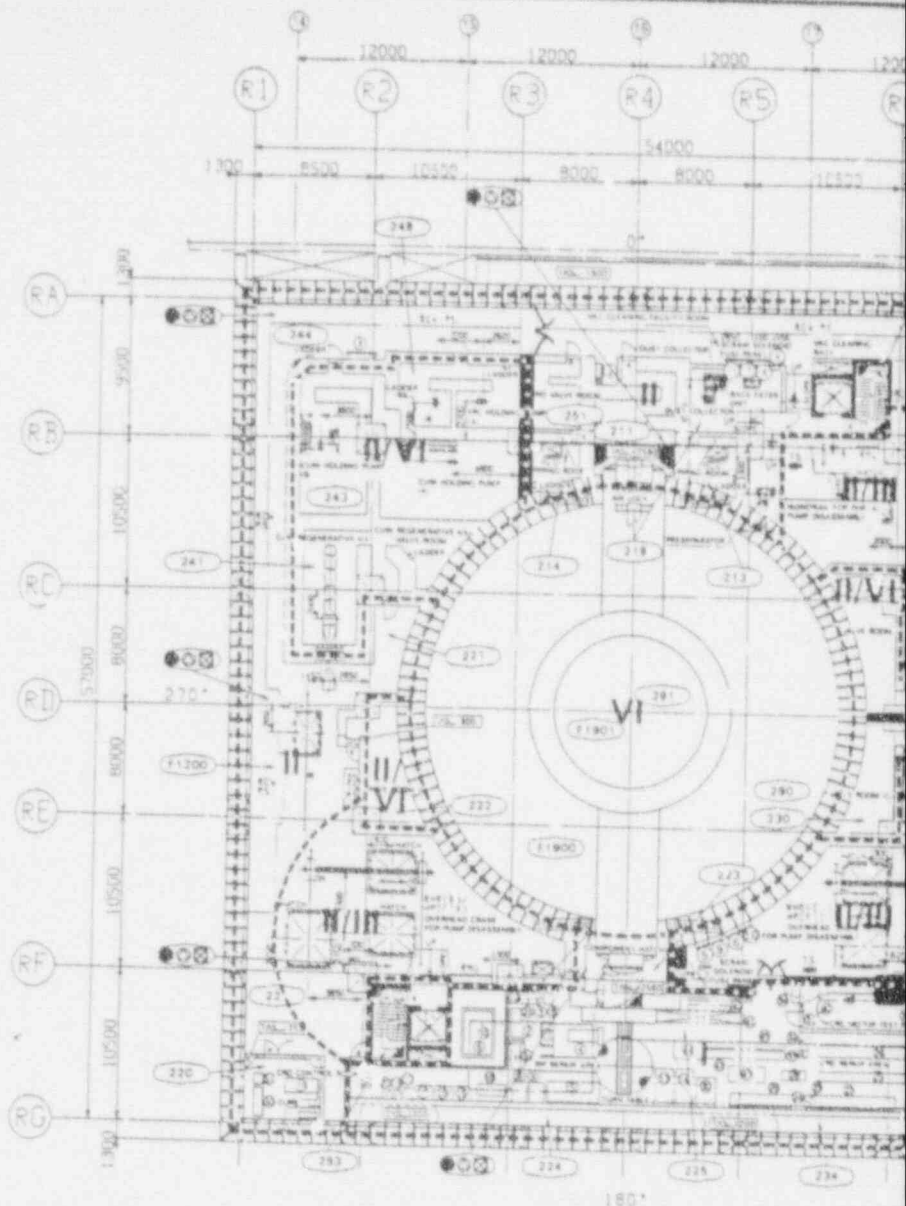
9206260170-12

2. RACK LIST

- 1 FPC FID MAIN VALVE RACK
 2 FPC FID CONDUCTIVITY METER RACK
 3 FPC FID SAMPLING HOOD
 4 FPC FID INSTRUMENT RACK (B)
 5 FPC FID INSTRUMENT RACK (A)
 6 CLW FID INSTRUMENT RACK (B)
 7 CLW FID INSTRUMENT RACK (A)
 8 REACTOR WATER SAMPLING COOLER RACK
 9 REACTOR WATER SAMPLING DEPRESSURIZATION RACK
 10 REACTOR WATER pH METER RACK
 11 REACTOR WATER DISSOLVED OXYGEN METER
 12 REACTOR WATER COOLING FID INSTRUMENT RACK
 13 REACTOR WATER SAMPLING HOOD
 14 REACTOR WATER GRAB SAMPLING RACK
 15 PWS RELATED TO VALVE RACK

REMARKS:
EQUIPMENT:

- EMERGENCY ELECTRIC ROOM (A)
EMERGENCY ELECTRIC ROOM (B)
EMERGENCY ELECTRIC ROOM (C)
RSS PANEL
R/P PANEL



REMARKS:
EQUIPMENT

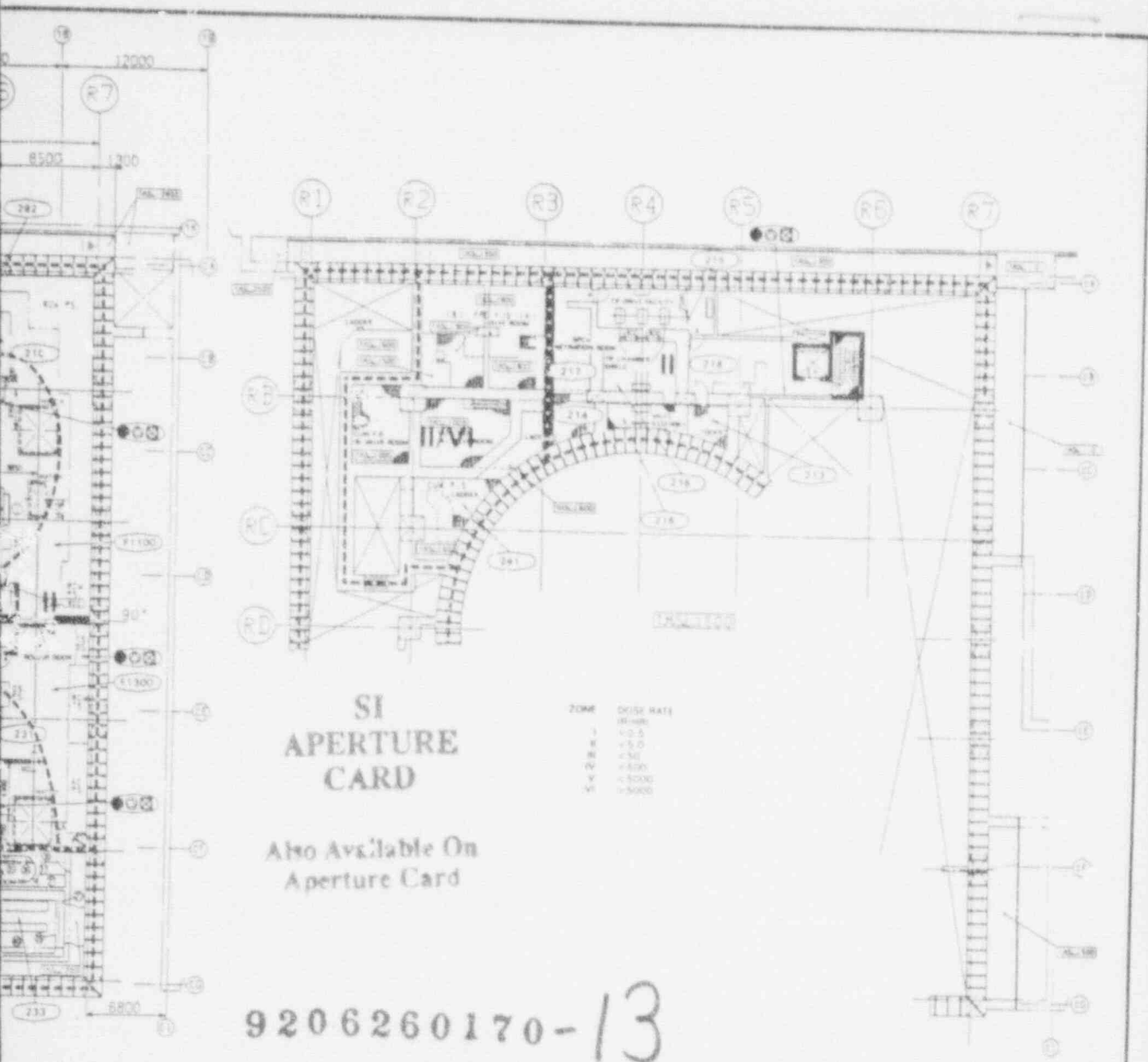
CUW RE HA
CUW F/D VALVE ROOM
WP MAINTENANCE AREA
FNUO MAINTENANCE AREA
CRD CONTROL ROOM

TABLE 12.3-13

RACK LIST

- | NO | RACK NAME |
|----|--|
| 1 | REACTOR CORE ISOLATION COOLING SYSTEM |
| 2 | ISTEAM SYSTEM INSTRUMENT RACK |
| 3 | FPC F/D SOLENOID OPERATED VALVE RACK |
| 4 | CUW F/D SOLENOID OPERATED VALVE RACK A |
| 5 | CUW F/D SOLENOID OPERATED VALVE RACK B |
| 6 | SCRAM SOLENOID FUSE PANEL |
| 7 | SCRAM SOLENOID FUSE PANEL |
| 8 | SCRAM SOLENOID FUSE PANEL |
| 9 | SCRAM SOLENOID FUSE PANEL |
| 10 | SCRAM SOLENOID FUSE PANEL |
| 11 | SCRAM SOLENOID FUSE PANEL |

Figure 12.3-13. Reactor Building Radiation Zone Map Post Loca at Elevation 100'



ZONE	DOSSE RATE (IN-HR)
I	<0.5
II	<5.0
III	<50
IV	<500
V	<5000
VI	>5000

- | | | | |
|--|---|--|--|
| <ul style="list-style-type: none"> 1. MOTOR ASSEMBLY DISASSEMBLY AREA 2. MOTOR DISASSEMBLY PARTS AREA 3. SPARE PARTS TOOL STORAGE RACK 4. MOTOR TEMPORARY PLACE 5. MOTOR CARRYING DOLLY AREA 6. DECONTAMINATION ELECTRICAL TEST TABLE 7. WORK BENCH 8. MOVABLE TOOL TABLE 9. SPARE MOTOR STORAGE AREA 10. OVERHEAD CRANE HOOK BEACH 11. CHANGING SPACE 12. PUMP TANK FOR WASHING | <ul style="list-style-type: none"> 13. STRETCH TUBE NUT HANDLING TOOL STORAGE AREA 14. SECOND SPAL HANDLING TOOL STORAGE AREA 15. BOTTOM CLOSE FLANGE STORAGE AREA 16. MAIN FLANGE STAND TOOL STORAGE AREA 17. AUX COVER HANDLING TOOL STORAGE AREA 18. MOTOR CONTAINER TEMPORARY PLACE 19. HANDLING TOOL CONTROL BOX STORAGE AREA 20. HANDLING TOOL HYDRAULIC UNIT STORAGE AREA 21. COUPLING STAND HANDLING TOOL STORAGE AREA 22. CRD STORAGE TANK | <ul style="list-style-type: none"> 23. ULTRASONIC CLEANING TANK 24. ULTRASONIC TRANSDUCER 25. CRD DISASSEMBLY CLEANING TANK 26. CRD WORK TABLE 27. BALL NUT DECENT TEST TABLE 28. SPOOL PIECE WORK TABLE 29. SPOOL PIECE STORAGE TANK 30. SEAL HOUSING TEST FACILITY 31. PARTS TEMPORARY PLACE 32. TOOL RACK 33. STORAGE RACK 34. MOVABLE PARTS TABLE 35. MOTOR UNIT WORK TABLE 36. MOTOR TEST FACILITY 37. BRAKE SYNCHRO TEST FACILITY 38. MOTOR STORAGE RACK | <ul style="list-style-type: none"> 39. OVERHEAD CRANE RECH LIMIT MONORAIL 40. RW TEMPORARY PLACE 41. MOTOR BRACKET TEMPORARY PLACE 42. CRD CART STORAGE AREA 43. MOTOR UNIT SPOOL PIECE DOLLY STORAGE AREA 44. ATTACHMENT STORAGE AREA 45. CRD STORAGE AREA 46. SPOOL PIECE STORAGE AREA 47. MOTOR SPINE PARTS AREA 48. CRD REPLACEMENT FACILITY CONTROL PANEL 49. CRD REPLACEMENT FACILITY DRIVE PANEL 50. CRD REPLACEMENT FACILITY PRINTER |
|--|---|--|--|

SI APERTURE CARD

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REMARKS/ EQUIPMENT

RHR PUMP (A)
RHR PUMP (B)
RHR PUMP (C)
RHR HX (A)
RHR HX (B)
RHR HX (C)
HPCX PUMP (B)
HPCX PUMP (C)
C/W NON RE HX
C/W PUMP
C/W BACK WASH TRANSFER PUMP
C/W BACK WASH TANK
CRD PUMP
SUCTION FILTER
RCC PUMP
RCC TURBINE

FIRE PROTECTION SYMBOLS

- F1907** FIRE AREA NUMBER
LEFT HAND DIGIT IS BOTTOM
FLOOR NUMBER STARTING WITH
1 = ELEVATION - 8200
SECOND DIGIT FROM LEFT IS
THE ELECTRICAL DIVISION
NUMBER
- 135** ROOM NUMBER
- HOSE RACK
- PORTABLE EXTINGUISHER
- STAIRCASE
- 3-HOUR RATED FIRE BARRIER (WALL)
- RATED FIRE BARRIER (FLOOR)
- 3-HOUR FIRE RATED DOOR
- SECONDARY CONTAINMENT BOUNDARIES
(3-HOUR RATED FIRE BARRIER)
- SPRINKLER SYSTEM
- GRATING
- CHECKER PLATE
- CONCRETE BLOCK
- FIREPLUG
- FRONT OF PANEL AND RACK
- FRONT**
- FULL SPACE FOR MAINTENANCE
- MANORIAL
- MONORIAL
- ELEVATOR
- PIPE SPACE
- HVAC DUCT SPACE
- CABLE TRAY SPACE
- NORMAL LOCK DOOR
- STEEL SHIELDING DOOR
- CURB

RACK LIST RACK NAME

1. CORE FLOW (A) INSTRUMENT RACK
2. CORE FLOW (B) INSTRUMENT RACK
3. CORE FLOW (A) INSTRUMENT RACK
4. CORE FLOW (B) INSTRUMENT RACK
5. RHR SYSTEM (A) INSTRUMENT RACK
6. RHR SYSTEM (B) INSTRUMENT RACK
7. RHR SYSTEM (C) INSTRUMENT RACK
8. HIGH PRESSURE CORE SPRAY SYSTEM (B) INSTRUMENT RACK
9. HIGH PRESSURE CORE SPRAY SYSTEM (C) INSTRUMENT RACK
10. REACTOR CORE ISOLATION COOLING SYSTEM INSTRUMENT RACK
11. REACTOR CORE ISOLATION COOLING SYSTEM TURBINE INSTRUMENT RACK
12. CONTROL ROD DRIVE HYDRAULIC SYSTEM INSTRUMENT RACK
13. CRD PUMP (A) INSTRUMENT RACK
14. CRD PUMP (B) INSTRUMENT RACK
15. REACTOR COOLANT CLEAN-UP SYSTEM INSTRUMENT RACK
16. SCRAM SEISMIC SENSOR, FOUR EACH
17. SUPPRESSION POOL DISCHARGE SYSTEM SAMPLING RACK
18. RHR HEAT EXCHANGER EXIT SAMPLING RACK

- A. ACCUMULATOR INSTALLATION REMOVAL TRANSPORTATION DOLLY
B. ACCUMULATOR DISASSEMBLY ASSEMBLY DOLLY
C. ACCUMULATOR WORKING BENCH
D. SCRAM VALVE SCRAM PILOT VALVE WORKING BENCH
E. SCRAM PILOT VALVE TEST FACILITY
F. PUMP UNIT
G. GENERAL PURPOSE WORKING BENCH
H. TOOL BOX

ZONE DOSE RATE

- (R148)
- I < 0.5
II < 5.0
III < 50
IV < 570
V < 5000
VI > 5000

DOSE RATE

- DOSE I - IF UNIT NOT USED DURING DEGRADED CORE ACCIDENT
DOSE II - IF USED WITH DEGRADED CORE ACCIDENT

260170-14

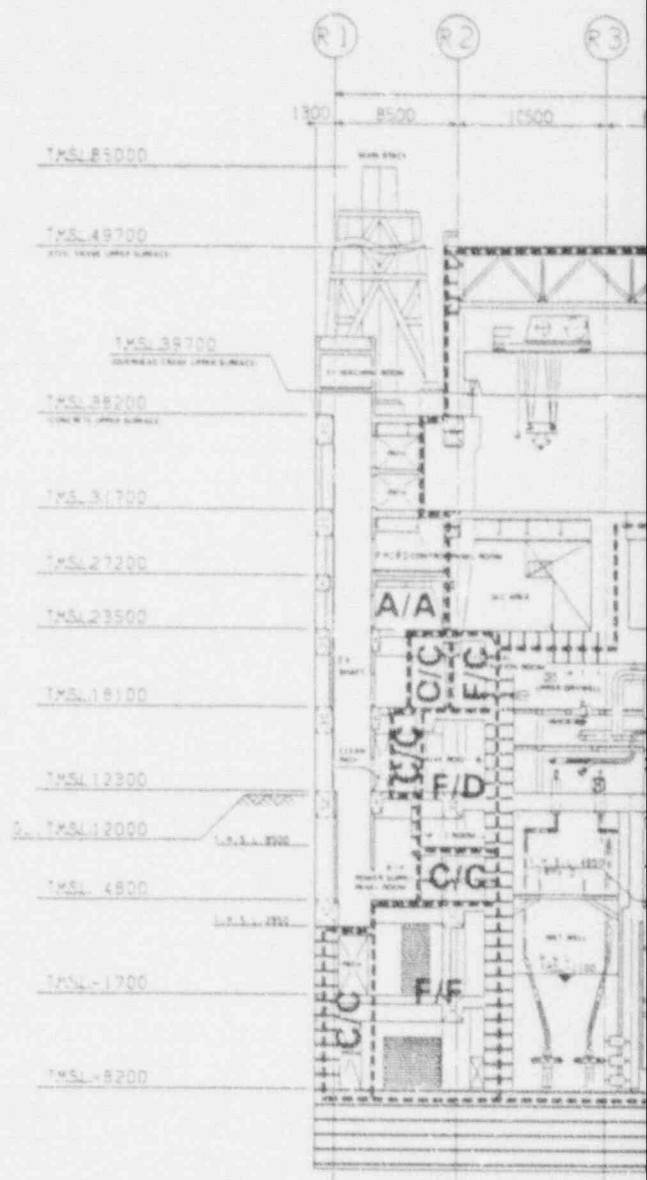
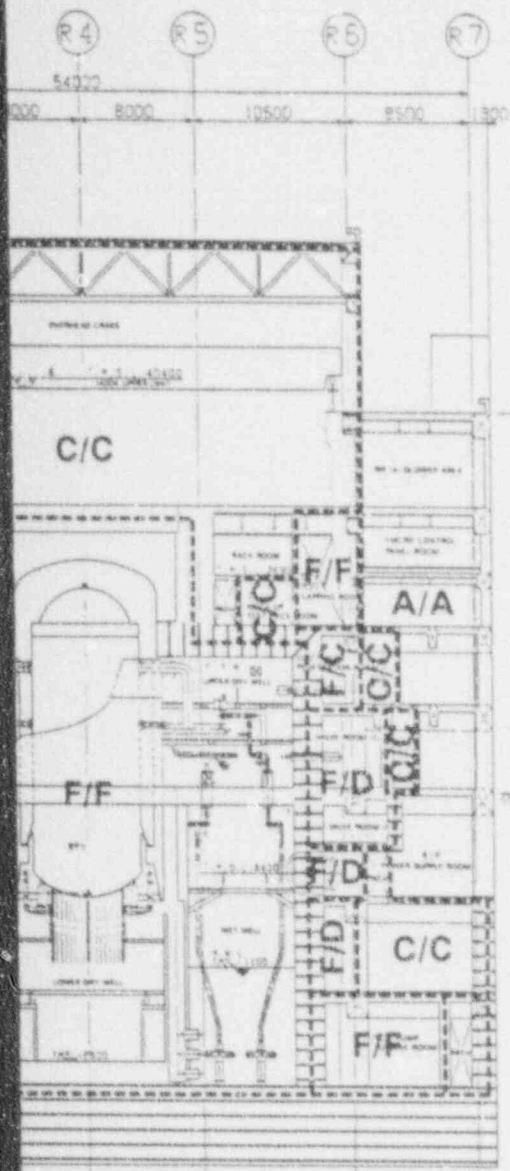


Figure 12.2-11. Radiation Zone Map for Full Power and Shutdown Operations.



SI APERTURE CARD

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FUEL POWER/SHUTDOWN
RADIATION LEVELS IN
MREM/HOUR
A < 0.5
B = 1
C = 5
D = 25
E = 100
F > 100

SECTION

9206260170-15

Cross Section View B-B

Diagram showing the relative positions of three points R, B, and A on a horizontal line. R is on the left, B is in the middle, and A is on the right. The distance between R and B is 19500, and the distance between B and A is 2500. The total distance between R and A is 17000.

[illegible]

FULL POWER SHUTDOWNS
RADIATION LEVELS IN
SAFE MODE

A < 0.5
B < 1
C < 5
D < 25
E < 100
F > 100

9206260170-16

SI APERTURE CARD

Also Available On
Aperture Card

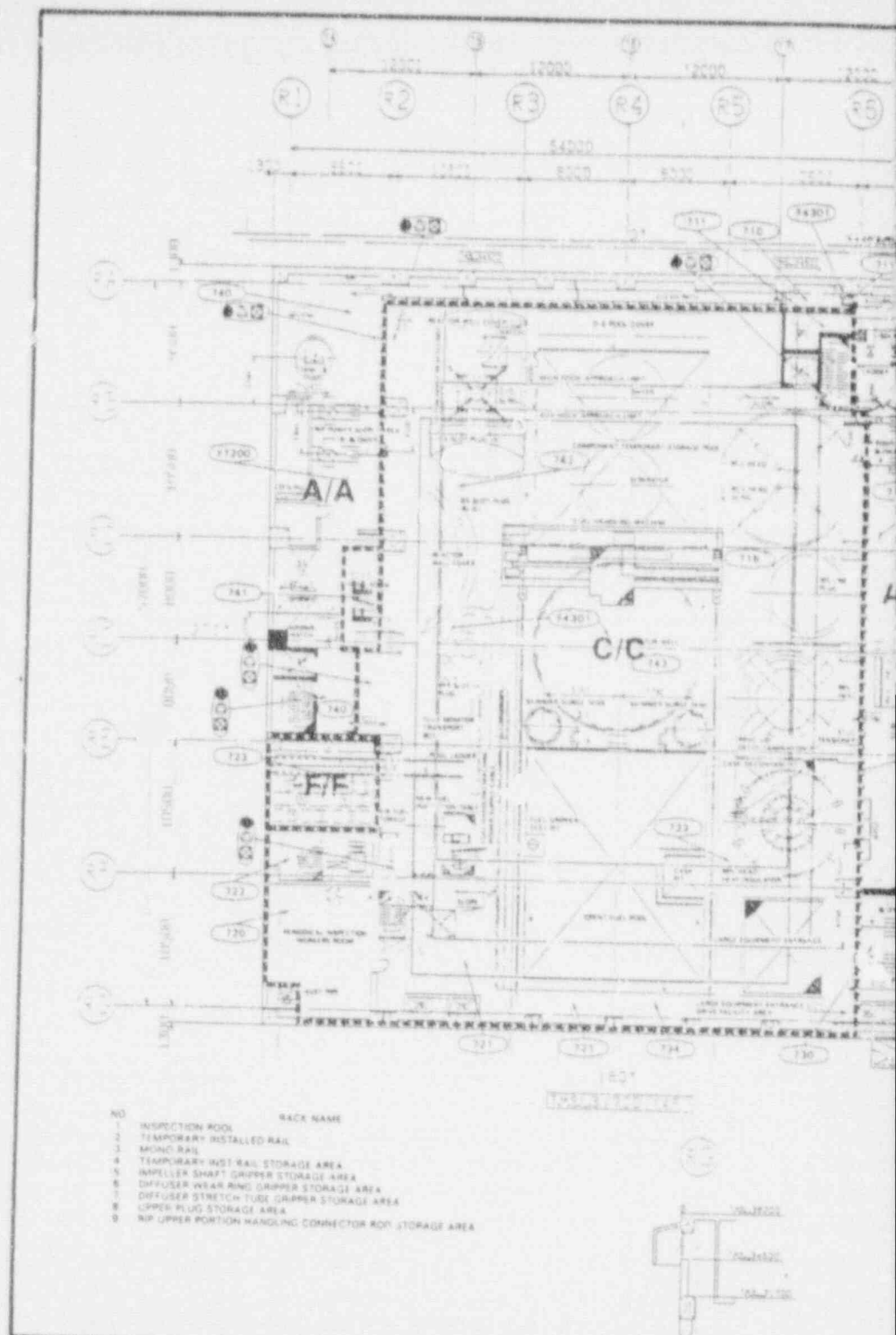
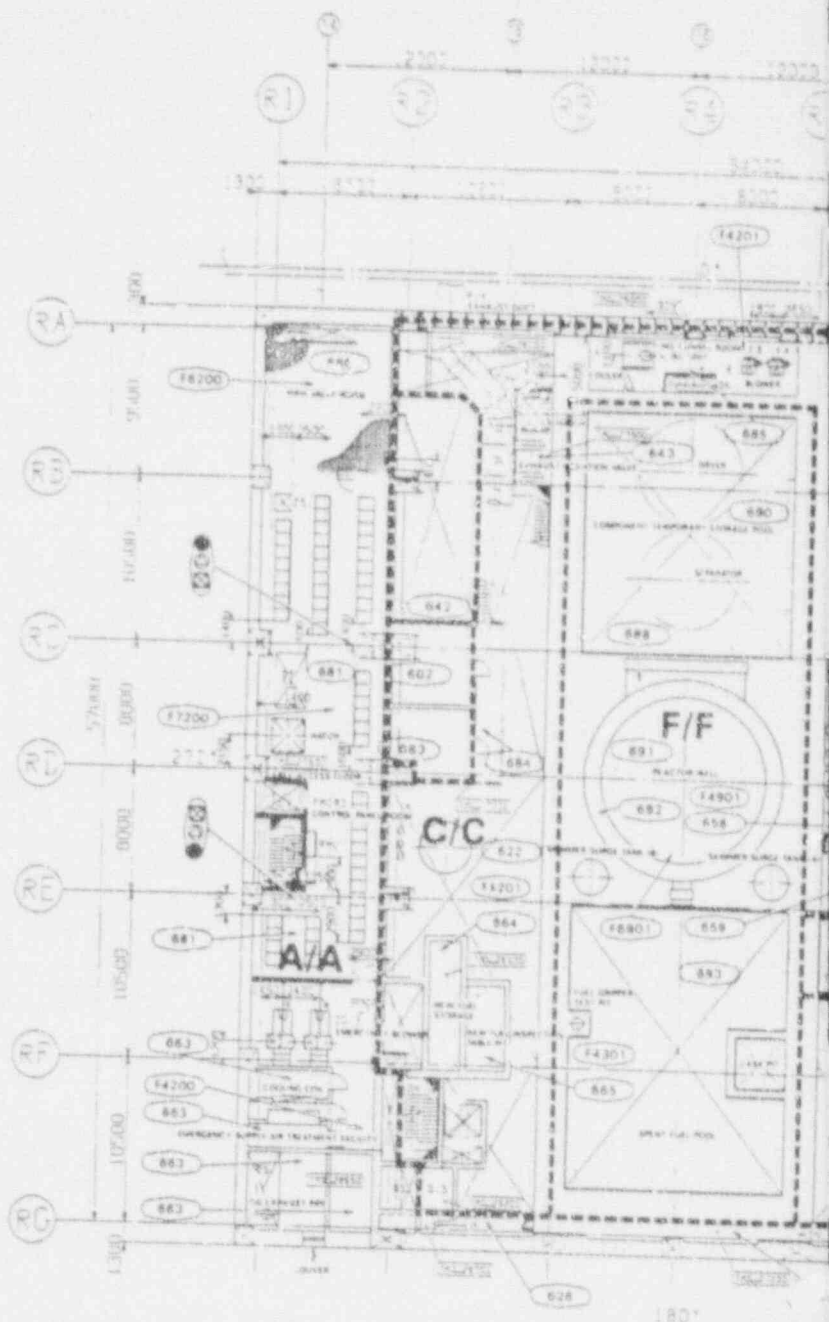


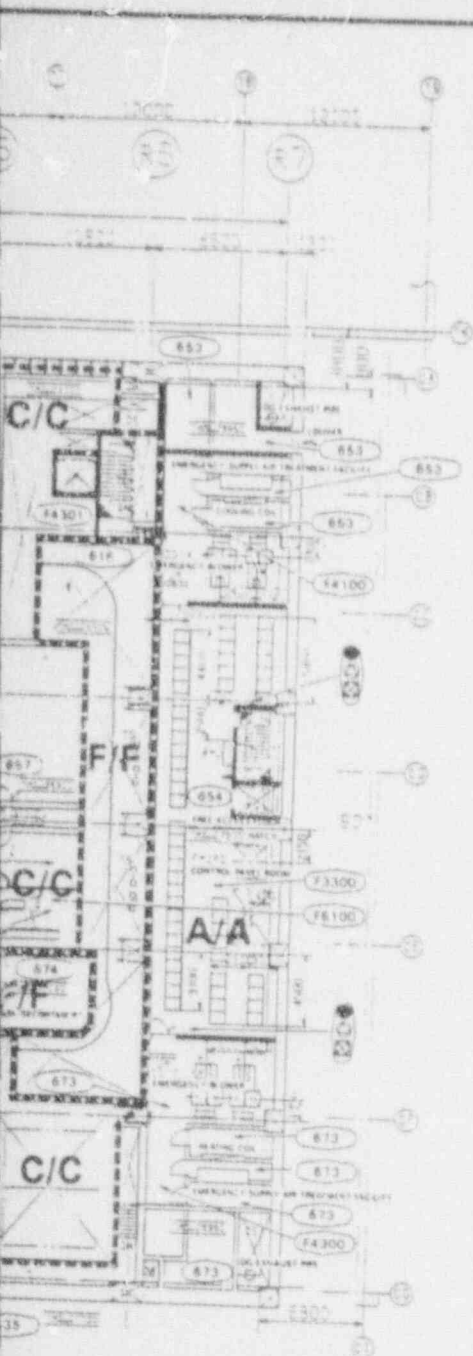
Figure 12.2-9. Radiation Zone Map for Full Power and Shutdown Operations at Element

Figure 12.2-8. Radiation Zone Map for Full Power and Shutdown Operation



SI APERTURE CARD

Also Available On
Aperture Card

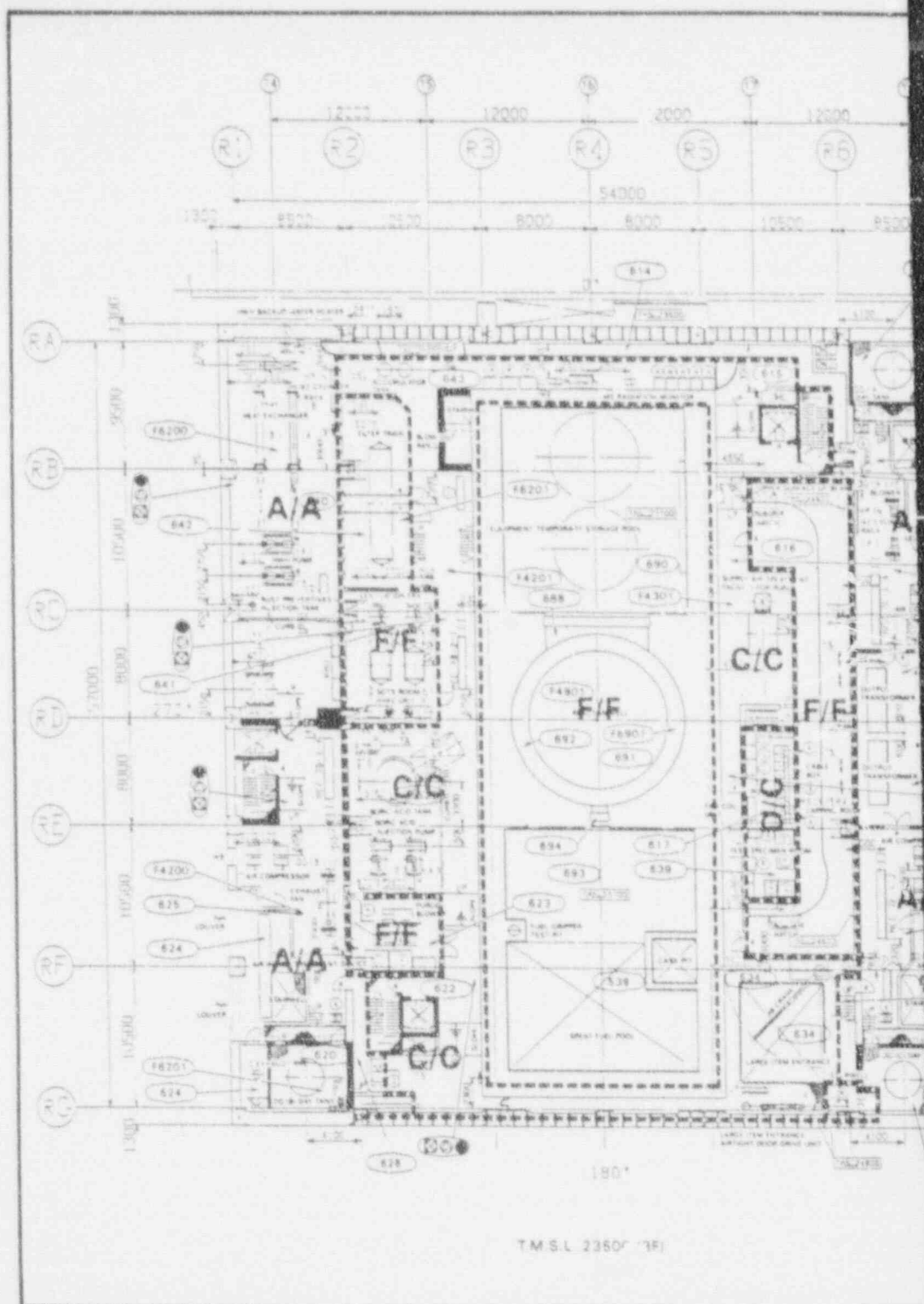


REMARKS: EQUIPMENT

D/S PIT
CASK PIT
SPENT FUEL STORAGE POOL
LADP WASHDOWN PIT
FACED PANEL ROOM
NEW FUEL STORAGE PIT
NEW FUEL INSPECTION PIT

FULL POWER SHUTDOWN
RADIATION LEVELS IN
AREAS/HOUR
A < 0.5
B < 1
C < 5
D < 25
E < 100
F < 100

9206260170-18



SI APERTURE CARD

Also Available On
Aperture Card

INSTRUMENT RACK

- NO. RACK NAME
1. STANBY GAS TREATMENT SYSTEM INSTRUMENT RACK
 2. CONTAMINANT VESSEL ATMOSPHERE MONITOR CALIBRATION GAS CYLINDER RACK A
 3. CONTAMINANT VESSEL ATMOSPHERE MONITOR CALIBRATION GAS CYLINDER RACK B
 4. SCRAM SEISMIC SENSOR

SI ROOM AND AUXILIARY FACILITIES

NO.	FACILITY NAME	QTY	REMARKS/ EQUIPMENT
A	CONTROL DATA COLLECTION EQUIPMENT	8	D-5 PIT
B	STABILIZED POWER SUPPLY SYSTEM	1	CASK PIT
C	DESK	2	SPENT FUEL STORAGE POOL
D	STORAGE	1	IGI INSPECTION ROOM
E	CALIBRATION TEST PIECE FOR M/S NOZZLE CORNER	1	SCOTTS INTER TRAIN
F	CALIBRATION TEST PIECE FOR NOZZLE CORNER	1	SCOTTS PAN
G	CALIBRATION TEST PIECE FOR NOZZLE CORNER	1	SLC PUMP
H	CALIBRATION TEST PIECE FOR NOZZLE CORNER	1	SLC TANK
J	RPV SHELL ADJUST TEST FACILITY	1	SLC TEST TANK
K	RPV BOTTOM PLATE ADJUST TEST FACILITY	1	OG (A) DAY TANK
L	RPV NOZZLE ADJUST TEST FACILITY	1	OG (B) DAY TANK
M	PIPING ADJUST TEST FACILITY	1	OG (C) DAY TANK
N	ISI DEVICE STORAGE	5	HWY PUMP
O	ISI DEVICE STORAGE	3	HWY PIT
P	RPV CALIBRATION TEST PIECE STORAGE	1	
Q	RPV CONSUMABLE MATERIALS AND CALIBRATION TEST PIECE STORAGE	2	
R	PIPING CALIBRATION TEST PIECE STORAGE	2	

FULL POWER SHUTDOWN
RADIATION LEVELS IN
MREM/HOUR
A < 0.6
B < 1
C < 5
D < 25
E < 100
F > 100

9206260170-19

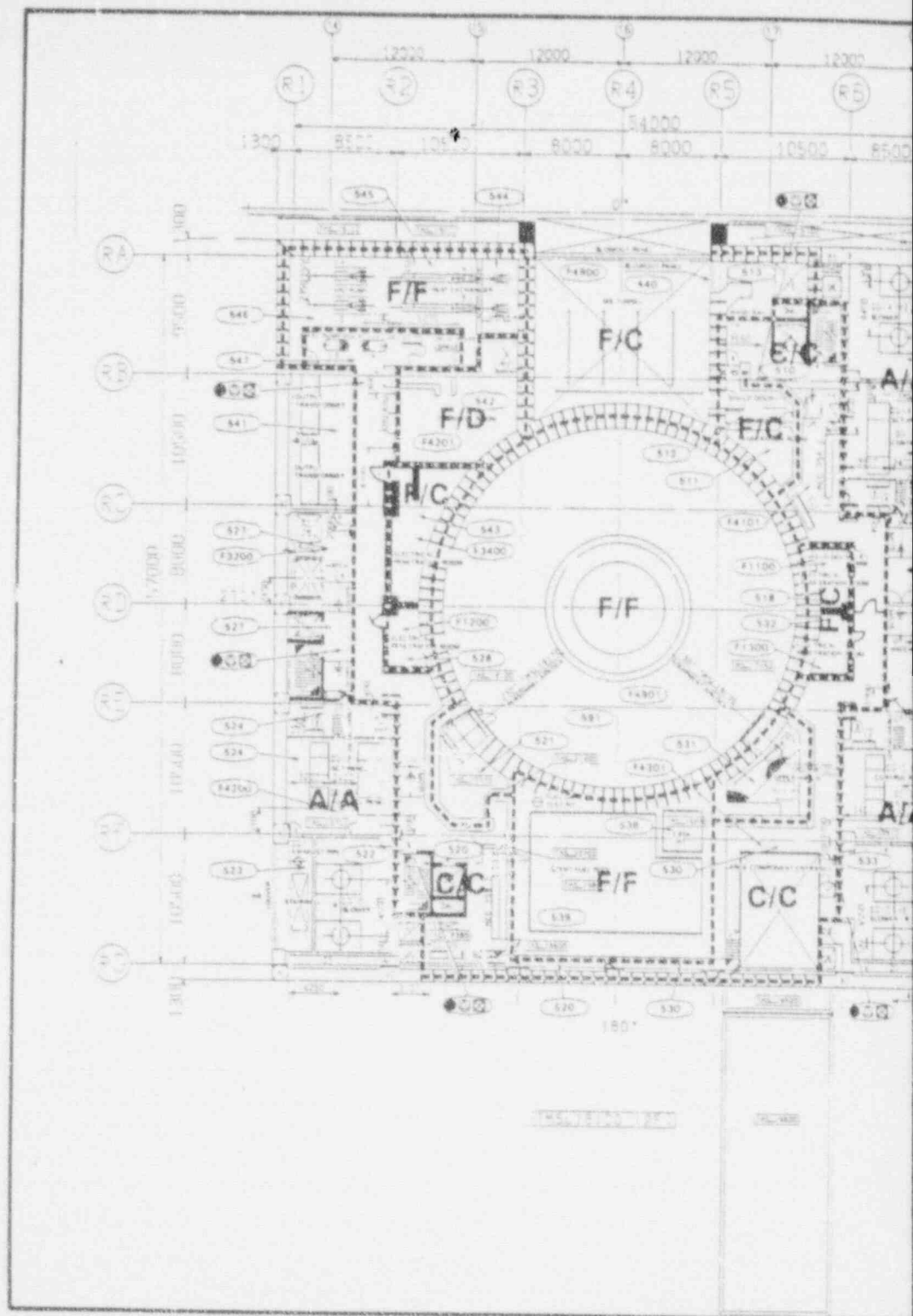
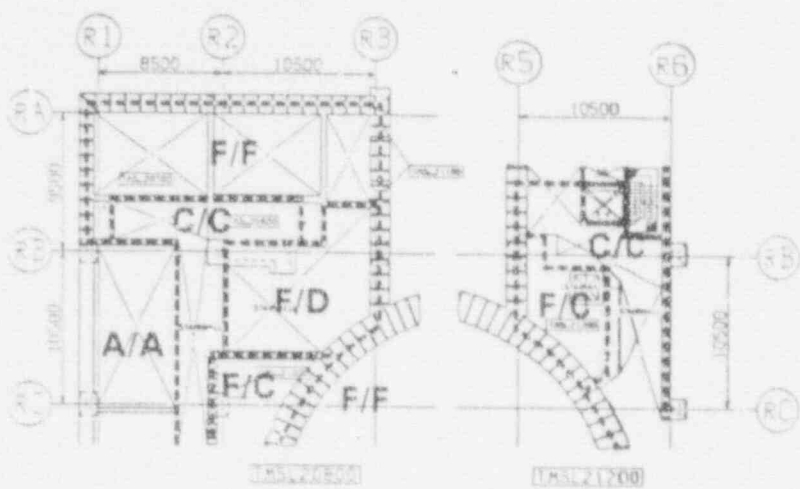
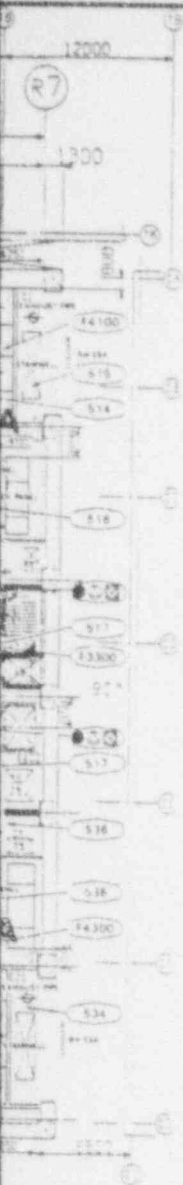


Figure 12.2-6. Radiation Zone Map for Full Power and Shutdown Operations at Elevation



INSTRUMENT RACK LIST

NO.	RACK NAME
R22-P042	1 FUEL POOL COOLING CLEAN-UP SYSTEM INSTRUMENT RACK
R22-P041	2 MSIV LEAK TEST INSTRUMENT RACK

FOAM FIRE EXTINGUISHER LIST

NO.	RACK NAME
A	FOAM LIQUID TANK
B	FOAM INJECTION EQUIPMENT

REMARKS: EQUIPMENT

- FPC-1X
- FPC PUMP
- FUEL HANDLING MACHINE TEST KIT
- SPENT FUEL STORAGE POOL
- CASK PIT
- DIG/A CONTROL PANEL
- DIG/B CONTROL PANEL
- DIG/C CONTROL PANEL
- DIG/A-2 SUPPLY FAN
- DIG/B-2 SUPPLY FAN
- DIG/C-2 SUPPLY FAN

- FULL POWER SHUTDOWN
- RADIATION LEVELS IN
- MREM/HOUR
- A < 0.5
- B < 1
- C < 5
- D < 25
- E < 100
- F > 100

SI APERTURE CARD

Also Available On
Aperture Card

9206260170-20

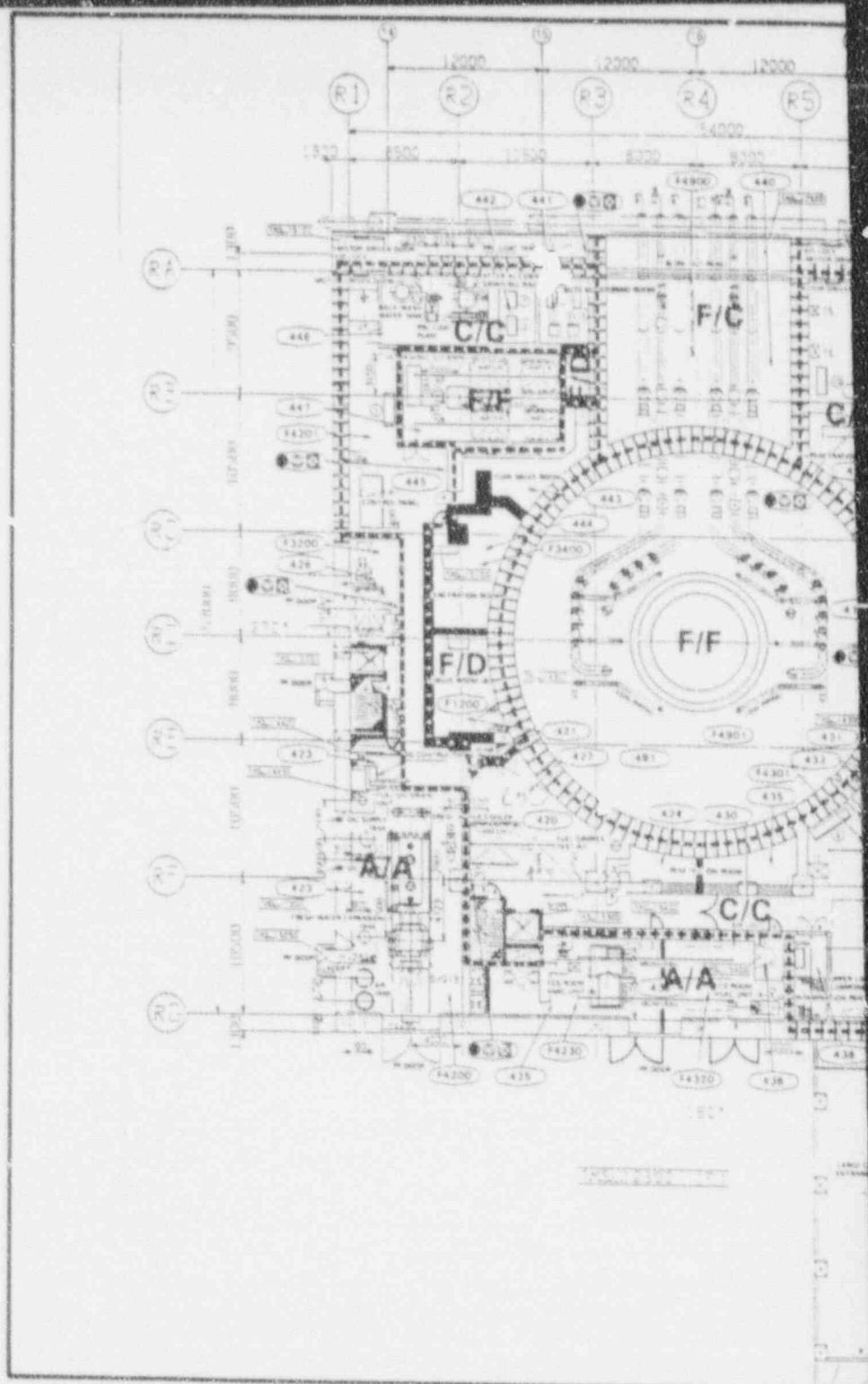


Figure 12.2-5. Radiation Zone Map for Full Power and Shutdown Operations a

SI APERTURE CARD

Also Available On
Aperture Card

REMARKS:
EQUIPMENT
PRE COMPT PUMP
FUEL HANDLING MACHINE TEST KIT

INSTRUMENT RACK LIST

- | NO | NAME |
|----|---|
| 1 | POST ACCIDENT SAMPLE TRANSFER RACK |
| 2 | POST ACCIDENT SAMPLE RECOVERY RACK |
| 3 | POST ACCIDENT SAMPLING LOCAL OPERATING PANEL |
| 4 | STANDBY GAS TREATMENT SYSTEM OFF GAS RADIATION MONITOR SAMPLE RACK |
| 5 | STANDBY GAS TREATMENT SYSTEM OFF GAS RADIATION MONITOR GAS SAMPLER RACK (A) |
| 6 | STANDBY GAS TREATMENT SYSTEM OFF GAS RADIATION MONITOR GAS SAMPLER RACK (B) |
| 7 | STANDBY GAS TREATMENT SYSTEM OFF GAS RADIATION MONITOR PARTICULATE ROOM SAMPLE RACK |
| 8 | STANDBY GAS TREATMENT SYSTEM OFF GAS RADIATION MONITOR PARTICULATE ROOM SAMPLE RACK OPERATING PANEL |
| 9 | CONTAINMENT VESSEL PRESSURE LEAK TEST KIT |
| 10 | REACTOR CONTAINMENT VESSEL LEAK POINT RELIEF RACK |

FULL POWER SHUTDOWN
RADIATION LEVEL IN
MREM/HOUR
A < 0.8
B < 1
C < 5
D < 25
E < 100
F > 100

9206260170-21

Elevation 12300 (1F)

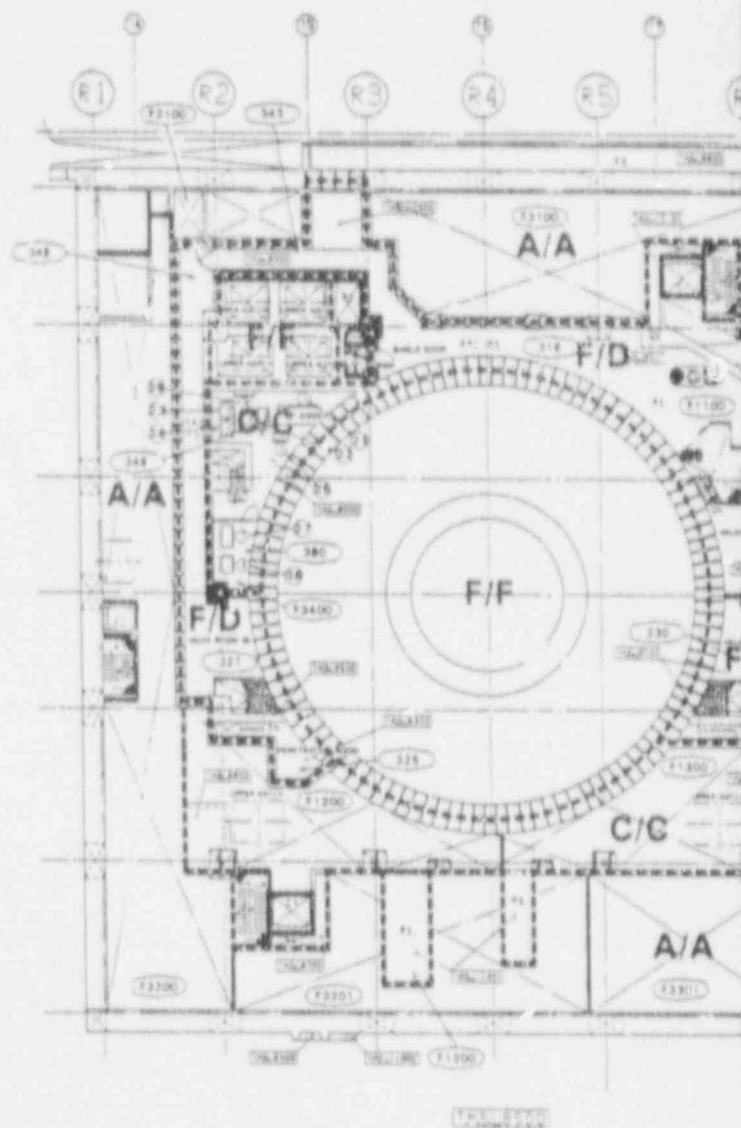


Figure 12.2-4. Radiation Zone Map for Full Power and Shutdown Operations at E

SI APERTURE CARD

Also Available On
Aperture Card

NO. RACK LIST

- 1 REACTOR SYSTEM (I) INSTRUMENT RACK
- 2 REACTOR SYSTEM (II) INSTRUMENT RACK
- 3 REACTOR SYSTEM (III) INSTRUMENT RACK
- 4 REACTOR SYSTEM (IV) INSTRUMENT RACK
- 5 MAIN STEAM FLOW (I) INSTRUMENT RACK
- 6 MAIN STEAM FLOW (II) INSTRUMENT RACK
- 7 MAIN STEAM FLOW (III) INSTRUMENT RACK
- 8 MAIN STEAM FLOW (IV) INSTRUMENT RACK
- 9A LEAK DETECTION SYSTEM (A) INSTRUMENT RACK
- 9B LEAK DETECTION SYSTEM (B) INSTRUMENT RACK
- 100 LEAK DETECTION SYSTEM (C) INSTRUMENT RACK
- 100 LEAK DETECTION SYSTEM (D) INSTRUMENT RACK
- 112 REACTOR WATER SAMPLING TRANSMITTER PANEL
- 113 RDC TO SAMPLING TRANSMITTER

NO. RACK LIST

- 14 RDC TO MAIN VALVE RACK
- 15 RDC TO CONDUCTIVITY METER RACK
- 16 RDC TO SAMPLING HOOD
- 17 RDC TO INSTRUMENT RACK (B)
- 18 RDC TO INSTRUMENT RACK (A)
- 19 CUM F.D. INSTRUMENT RACK (B)
- 20 CUM F.D. INSTRUMENT RACK (A)
- 21 REACTOR WATER SAMPLING COOLER RACK
- 22 REACTOR WATER SAMPLING DEPRESSURIZATION RACK
- 23 REACTOR WATER pH METER RACK
- 24 REACTOR WATER DISSOLVED OXYGEN METER
- 25 REACTOR WATER CONDUCTIVITY METER RACK
- 26 REACTOR WATER SAMPLING HOOD
- 27 REACTOR WATER ORAB SAMPLING RACK
- 28 RAS RELATED AD VALVE RACK

(REMARKS)

EQUIPMENT
EMERGENCY ELECTRIC ROOM (A)
EMERGENCY ELECTRIC ROOM (B)
EMERGENCY ELECTRIC ROOM (C)
RAS PANEL
RIP PANEL

9206260170-22

SI APERTURE CARD

Also Available On
Aperture Card

9206260170-23

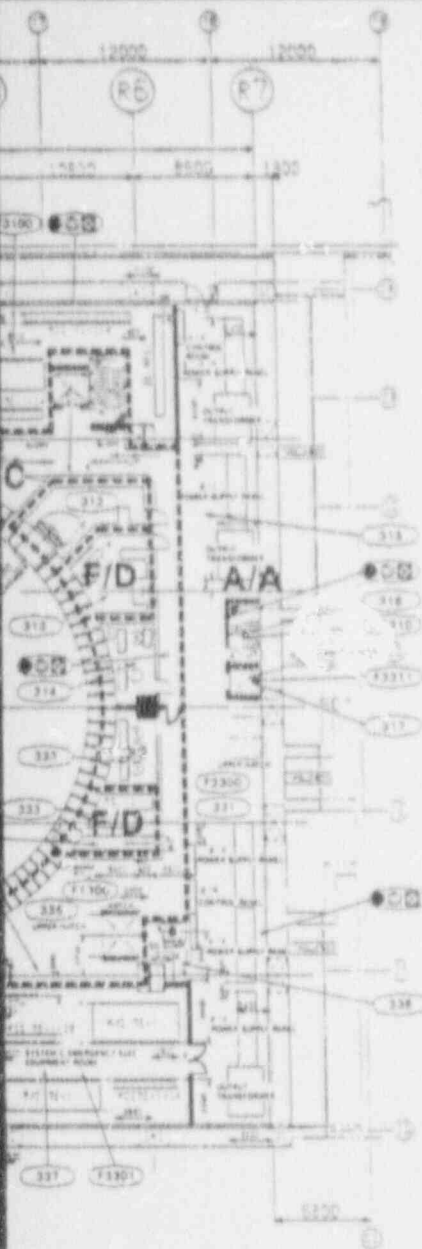
60. RACK LIST

14. RAC RD MAIN VALVE RACK
15. RAC RD CONDUCTIVITY METER RACK
16. RAC RD SAMPLING HOOD
17. RAC RD INSTRUMENT RACK (B)
18. RAC RD INSTRUMENT RACK (A)
19. CURV F D INSTRUMENT RACK (B)
20. CURV F D INSTRUMENT RACK (A)
21. REACTOR WATER SAMPLING COOLER RACK
22. REACTOR WATER SAMPLE DEPRESSURIZATION RACK
23. REACTOR WATER pH METER RACK
24. REACTOR WATER DISSOLVED OXYGEN METER
25. REACTOR WATER CONDUCTIVITY METER RACK
26. REACTOR WATER SAMPLING HOOD
27. REACTOR WATER GRAB SAMPLING RACK
28. PAS RELATED AD VALVE RACK

FULL POWER/SHUTDOWN
RADIATION LEVELS IN
MREM/HOUR
A < 0.5
B < 1
C < 5
D < 25
E < 100
F > 100

REMARKS:

EQUIPMENT
EMERGENCY ELECTRIC ROOM (A)
EMERGENCY ELECTRIC ROOM (B)
EMERGENCY ELECTRIC ROOM (C)
RIS PANEL
RIP PANEL



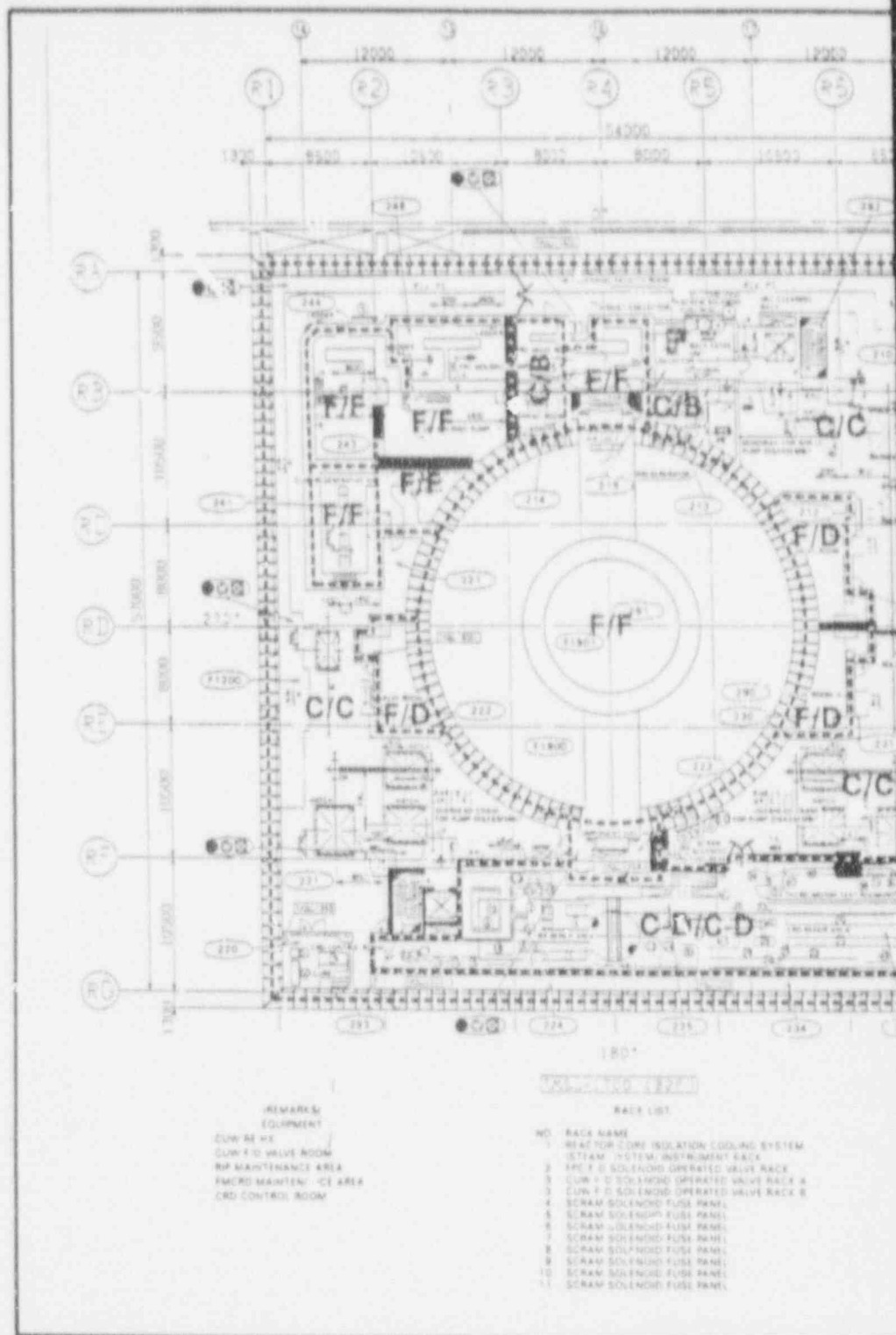


Figure 12.2-2. Radiation Zone Map for Full Power and Shutdown Operations at El.

SI APERTURE CARD

Also Available On
Aperture Card

FUEL POWER SHUTDOWN
RADIATION LEVELS IN
AREA/HOUR

A = 0.5
B = 1
C = 5
D = 25
E = 100
F = 1000

9206260170-24

- | | | | |
|------------------------------|-------------------------------|--------------------------------|------------------------------|
| 1. MOTOR ASSEMBLY | 13. STEEL TUBE NUT HANDLING | 23. ULTRASONIC CLEANING TANK | 36. OVERHEAD CRANE REEL LINE |
| 2. MOTOR DISASSEMBLY PARTS | 14. SECOND SEAL HANDLING | 24. ULTRASONIC TRANSDUCER | 40. MISC. CRANE |
| 3. SPARE PARTS TOOL STORAGE | 15. SECOND SEAL HANDLING | 25. CRD DISASSEMBLY CLEANING | 41. MP TEMPORARY PLACE |
| 4. MOTOR TEMPORARY PLACE | 16. BOTTOM GROSS FLANGE | 26. CRD WORK TABLE | 42. MOTOR SPACER TEMPORARY |
| 5. MOTOR CARRYING DOLLY AREA | 17. MAIN FLANGE STAND TOOL | 27. BALL NUT DECENT TEST TABLE | 43. CRD CART STORAGE AREA |
| 6. DECONTAMINATION | 18. STORAGE AREA | 28. SPOOL PIECE WORK TABLE | 44. MOTOR UNIT SPOOL PIECE |
| 7. ELECTRICAL TEST TANK | 19. ALX COVER HANDLING TOOL | 29. SPOOL PIECE STORAGE TANK | 45. DOLLY STORAGE AREA |
| 8. WORK BENCH | 20. MOTOR CONTAINER | 30. SEAL HOUSING TEST FACILITY | 46. ATTACHMENT STORAGE AREA |
| 9. MOVABLE TOOL TABLE | 21. TEMPORARY PLACE | 31. PARTS TEMPORARY PLACE | 47. CRD STORAGE AREA |
| 10. SPARE MOTOR STORAGE AREA | 22. HANDLING TOOL CONTROL BOX | 32. TOOL RACK | 48. SPOOL PIECE STORAGE AREA |
| 11. OVERHEAD CRANE HOOK | 23. STORAGE AREA | 33. MOVABLE PARTS TABLE | 49. MOTOR SPARE PARTS AREA |
| 12. CHANGING SPACE | 24. LANDING TOOL HYDRAULIC | 34. MOTOR UNIT WORK TABLE | 50. CRD REPLACEMENT FACILITY |
| 13. PUMP TANK FOR WASHING | 25. COUPLING STAND HANDLING | 35. MOTOR TEST FACILITY | 51. CRD REPLACEMENT FACILITY |
| | 26. TOOL STORAGE AREA | 36. BRAKE SYNCHRO TEST | 52. CRD REPLACEMENT FACILITY |
| | 27. CRD STORAGE TANK | 37. FACILITY | 53. CRD REPLACEMENT FACILITY |
| | | 38. MOTOR STORAGE RACK | 54. PUMPER |

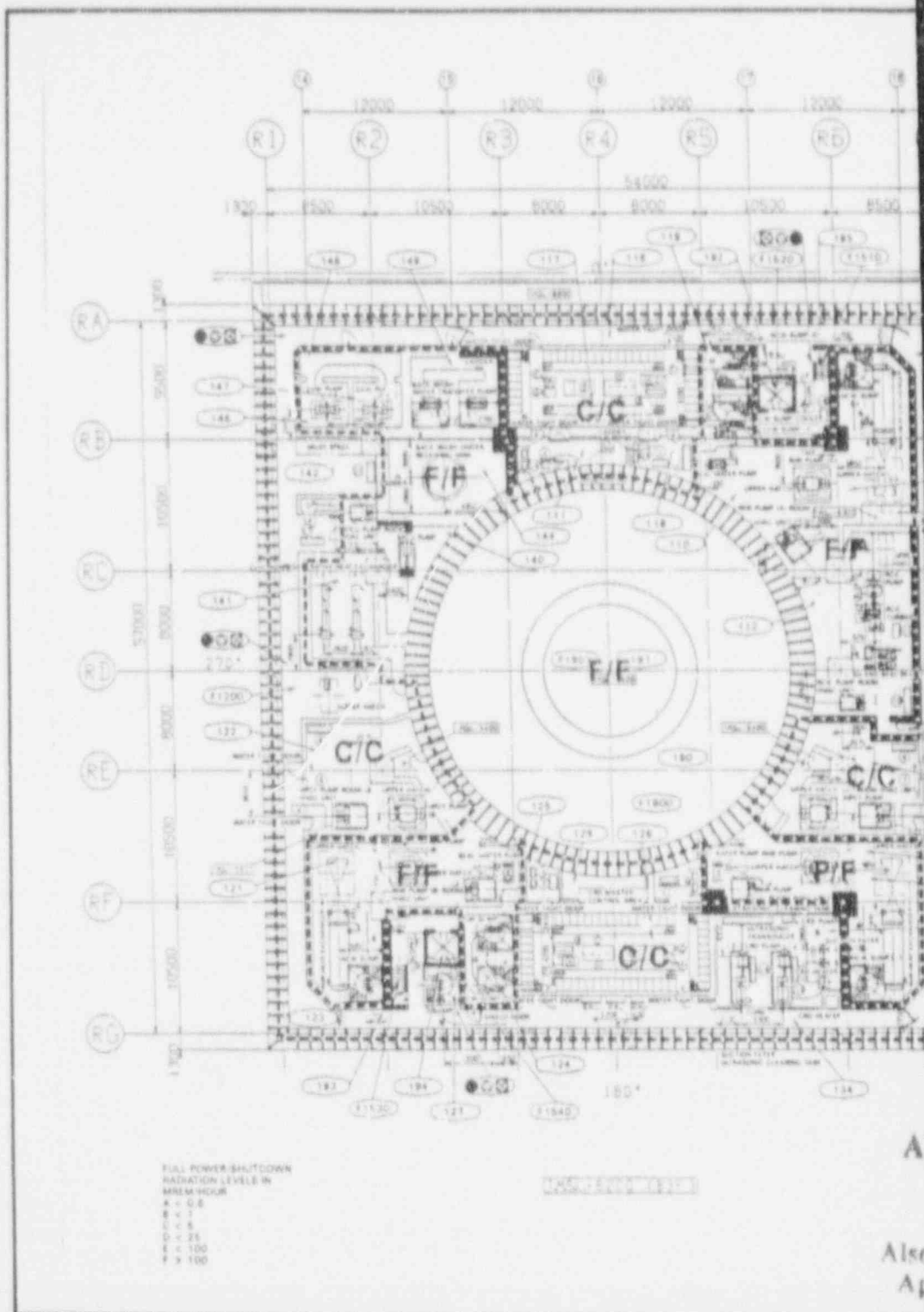


Figure 12.3-1. Radiation Zone Map for Full Power and Shutdown Operations at Elevation

