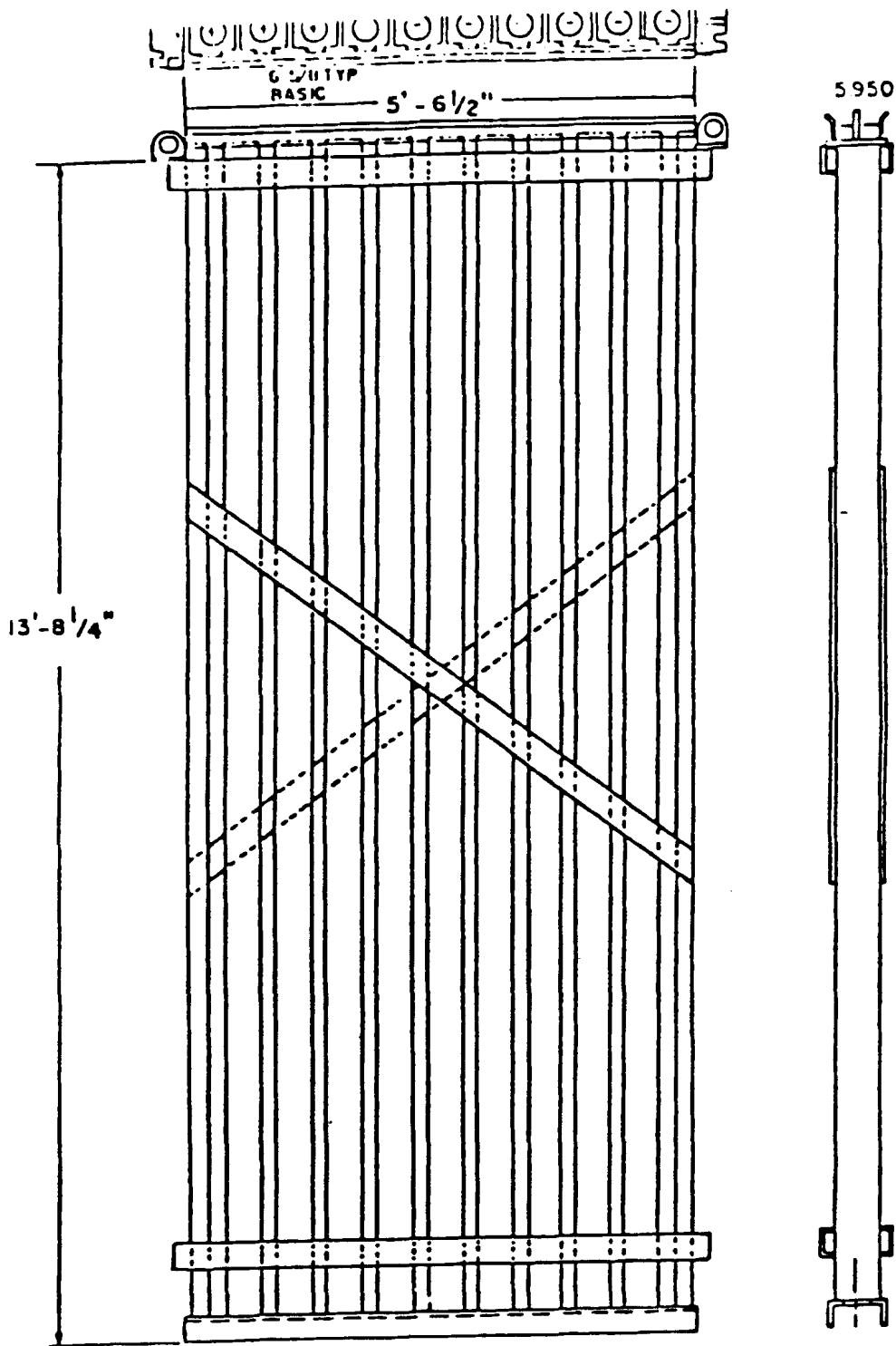


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Figures 9.1-1A through 9.1-1D

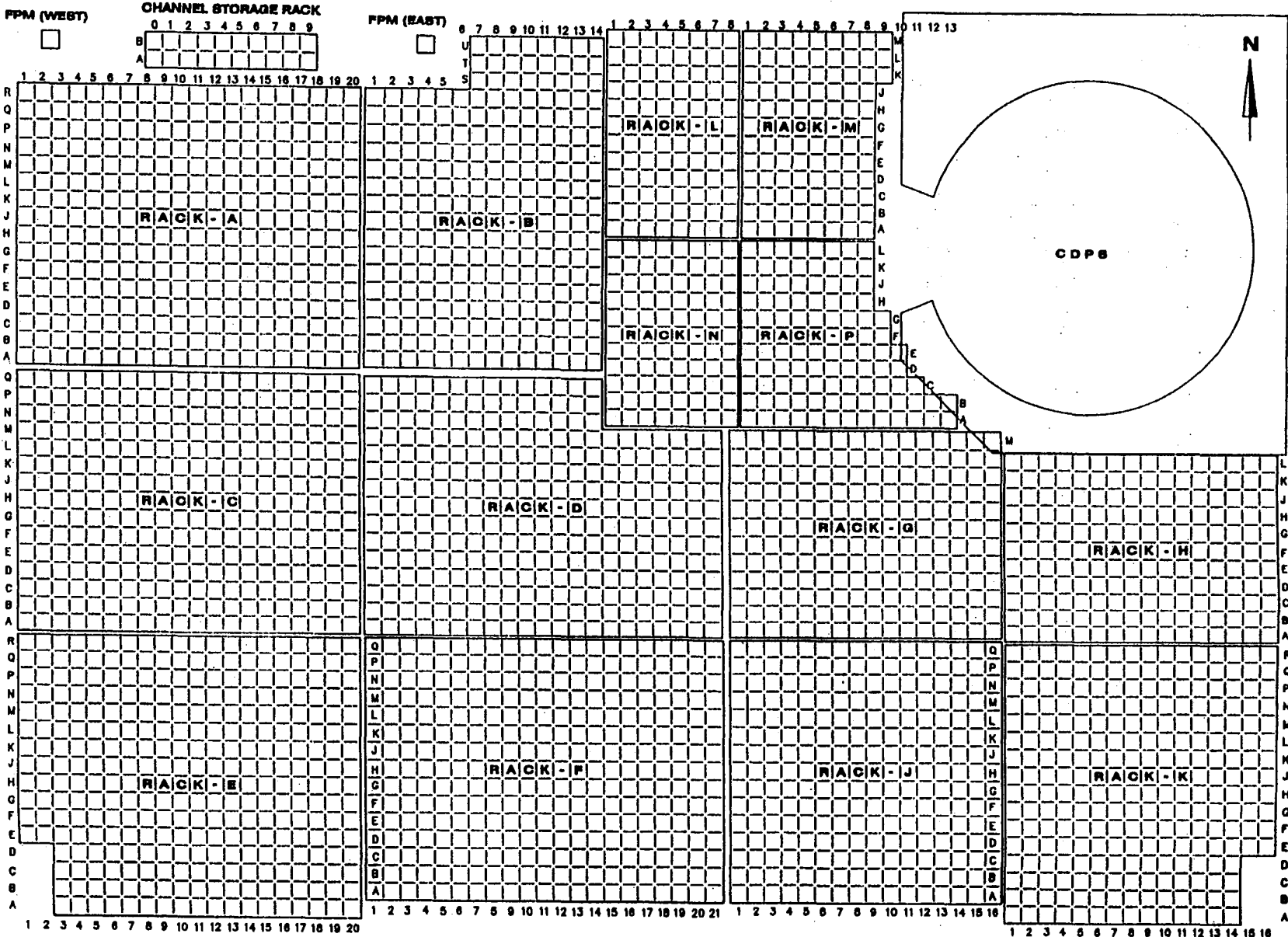
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GPU Nuclear
 Oyster Creek
 New Fuel Storage Rack

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 12/90

Fig. 9.1-2

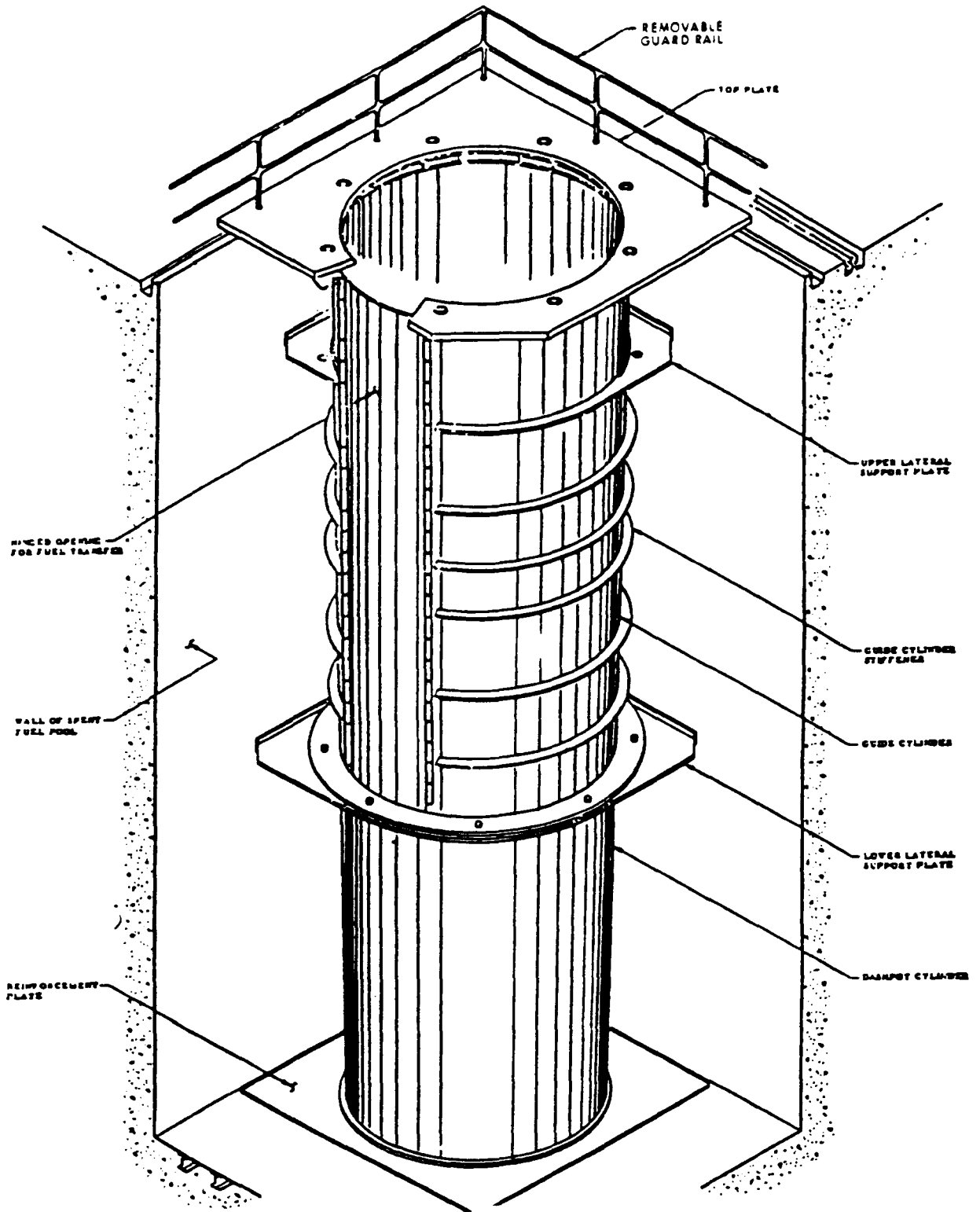


Rev. 12 04/01
 OYSTER CREEK NUCLEAR GENERATING STATION
 SPENT FUEL STORAGE POOL
 FIGURE 9.1-3

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Figures 9.1-4 through 9.1-5

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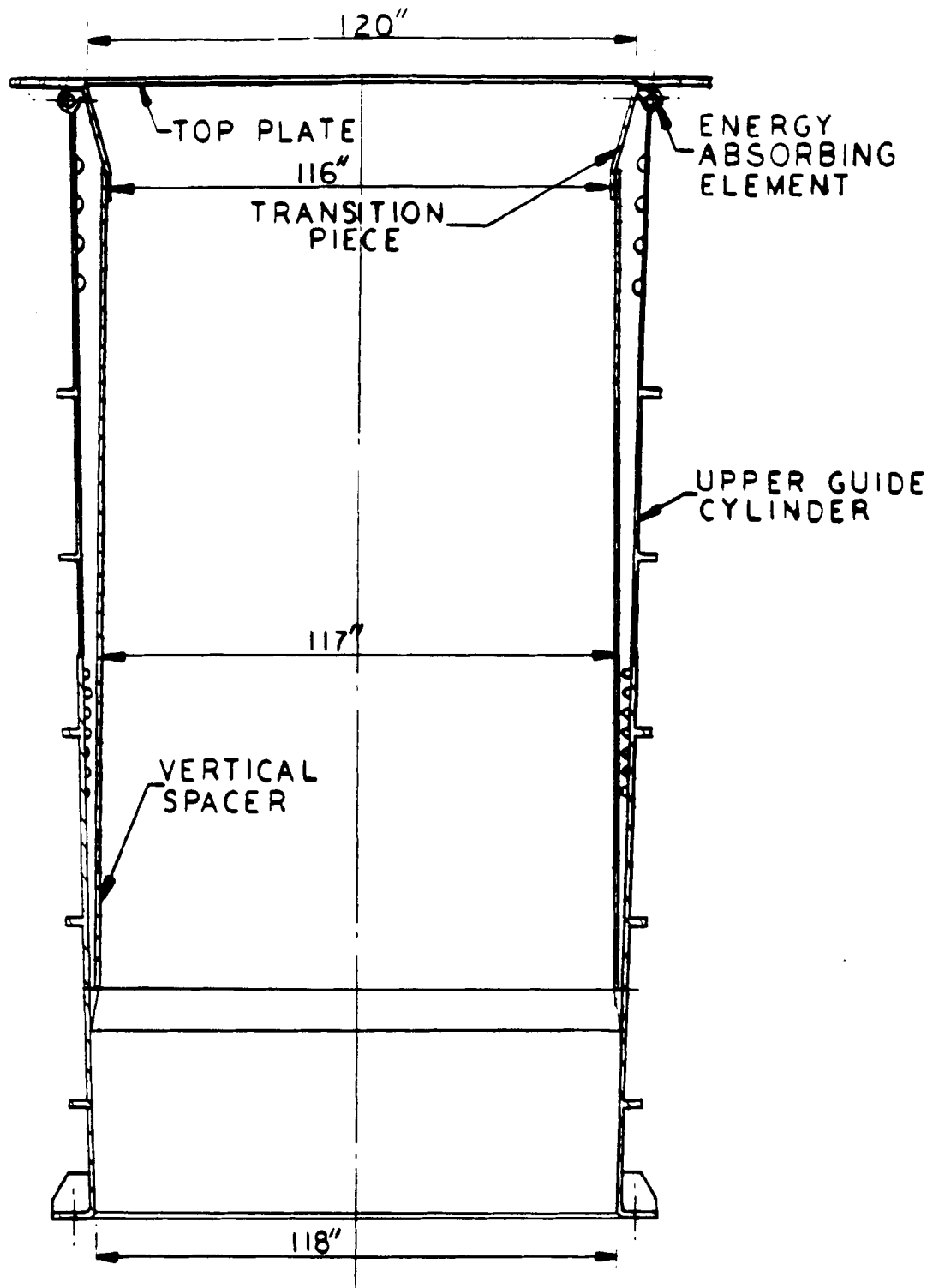
Update - 5

Oyster Creek

12/90

Guide Structure and Dash Pot Assembly

Fig. 9.1-6



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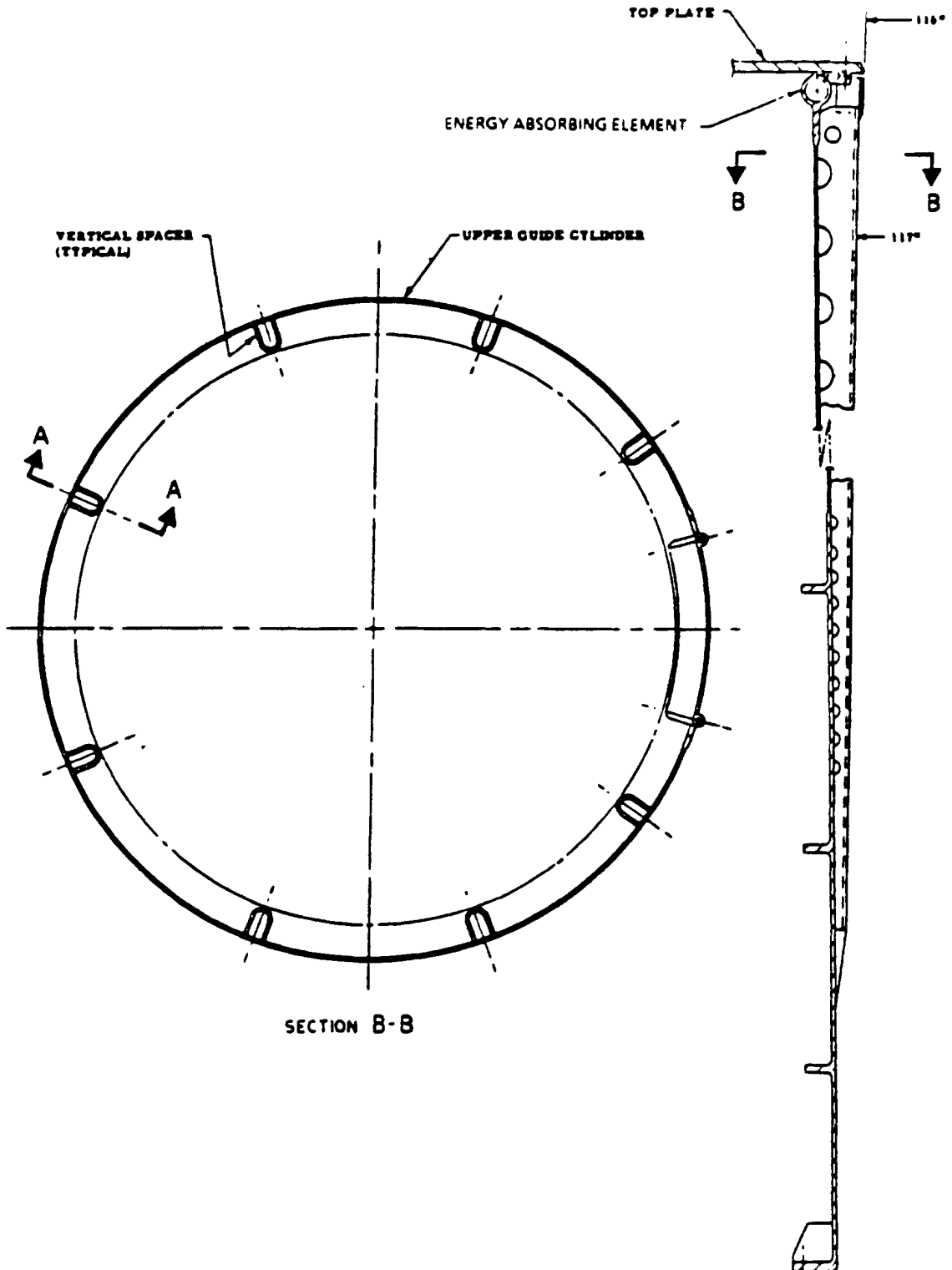
Update - 5

Oyster Creek

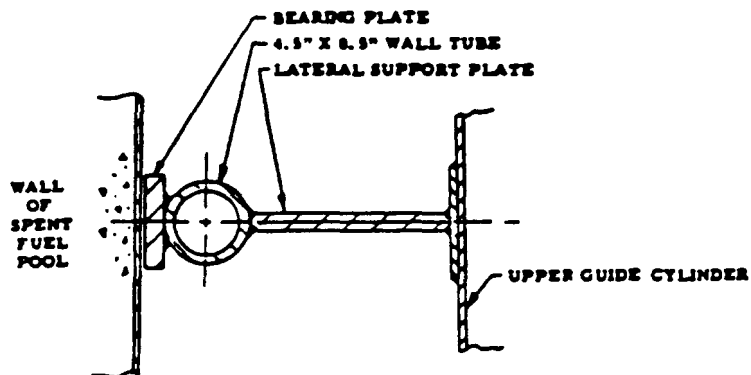
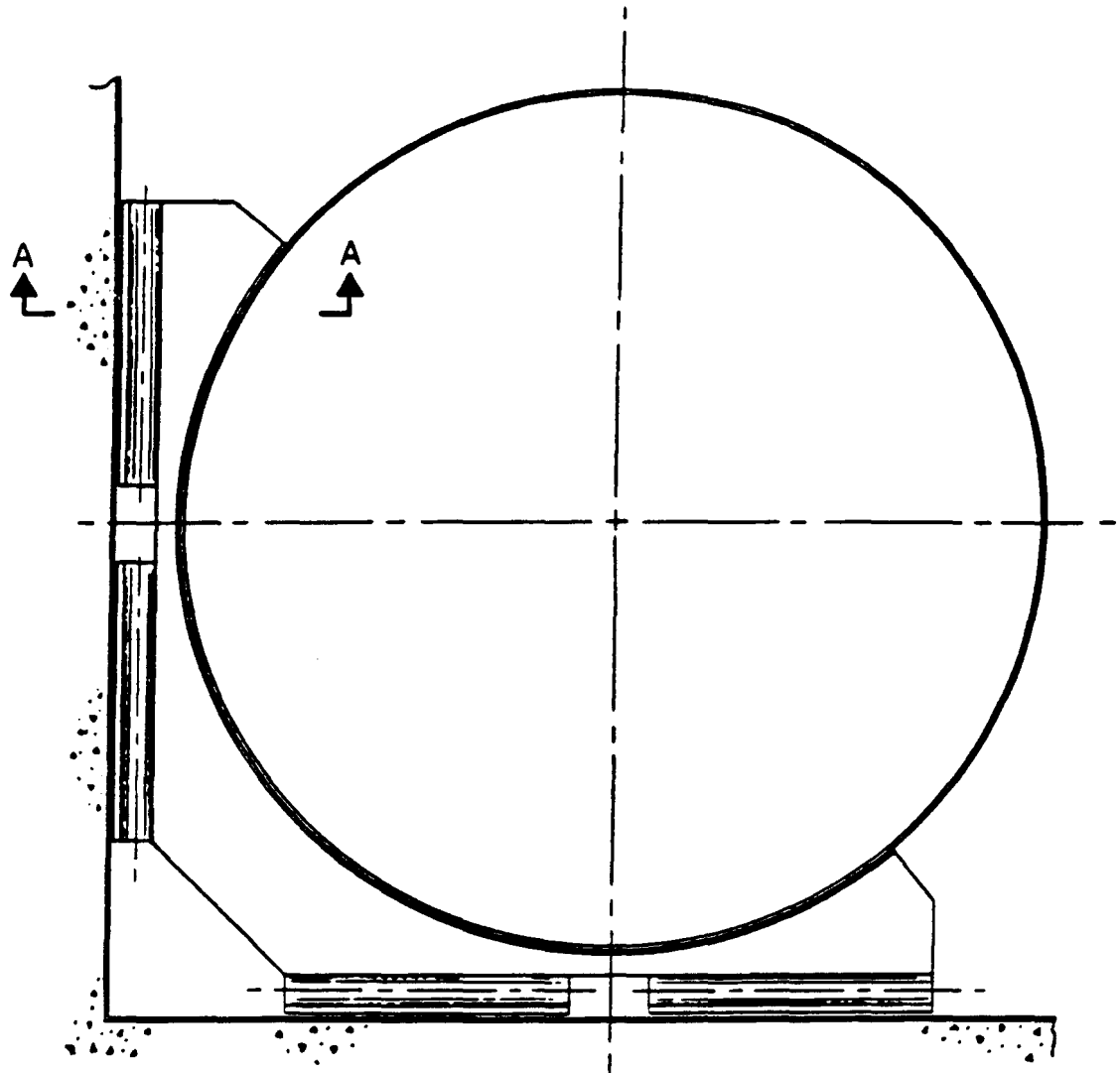
12/90

Cross Section Through Upper Guide Cylinder

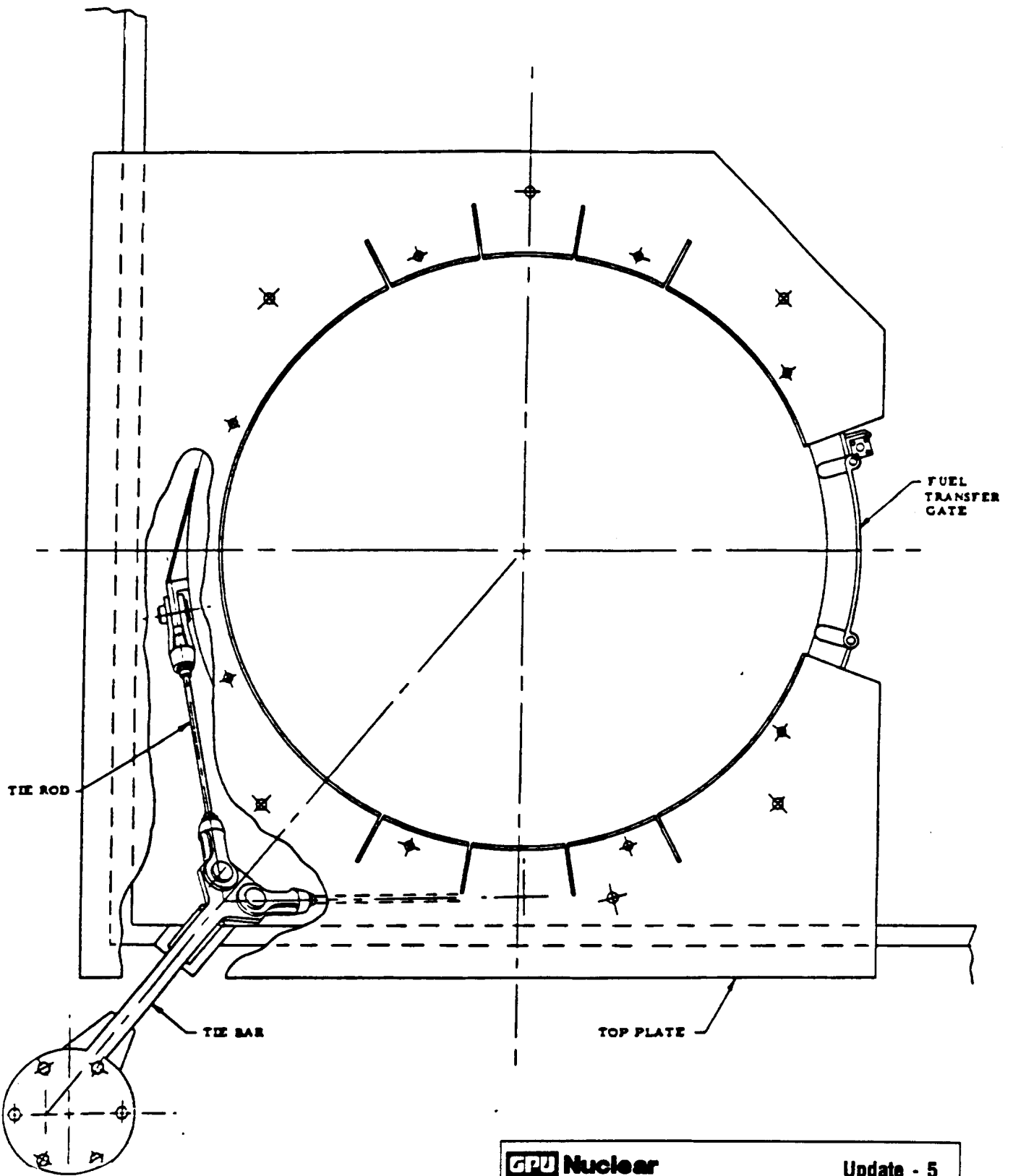
Fig. 9.1-7



GPU Nuclear	Update - 5
Oyster Creek	12/90
Vertical Spacers Inside Upper Guide Cylinder	
Fig. 9.1-8	



GPU Nuclear	Update - 5
Oyster Creek	12/90
Energy Absorbing Elements on Lateral Support Plate	
Fig. 9.1-9	



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Oyster Creek

12/90

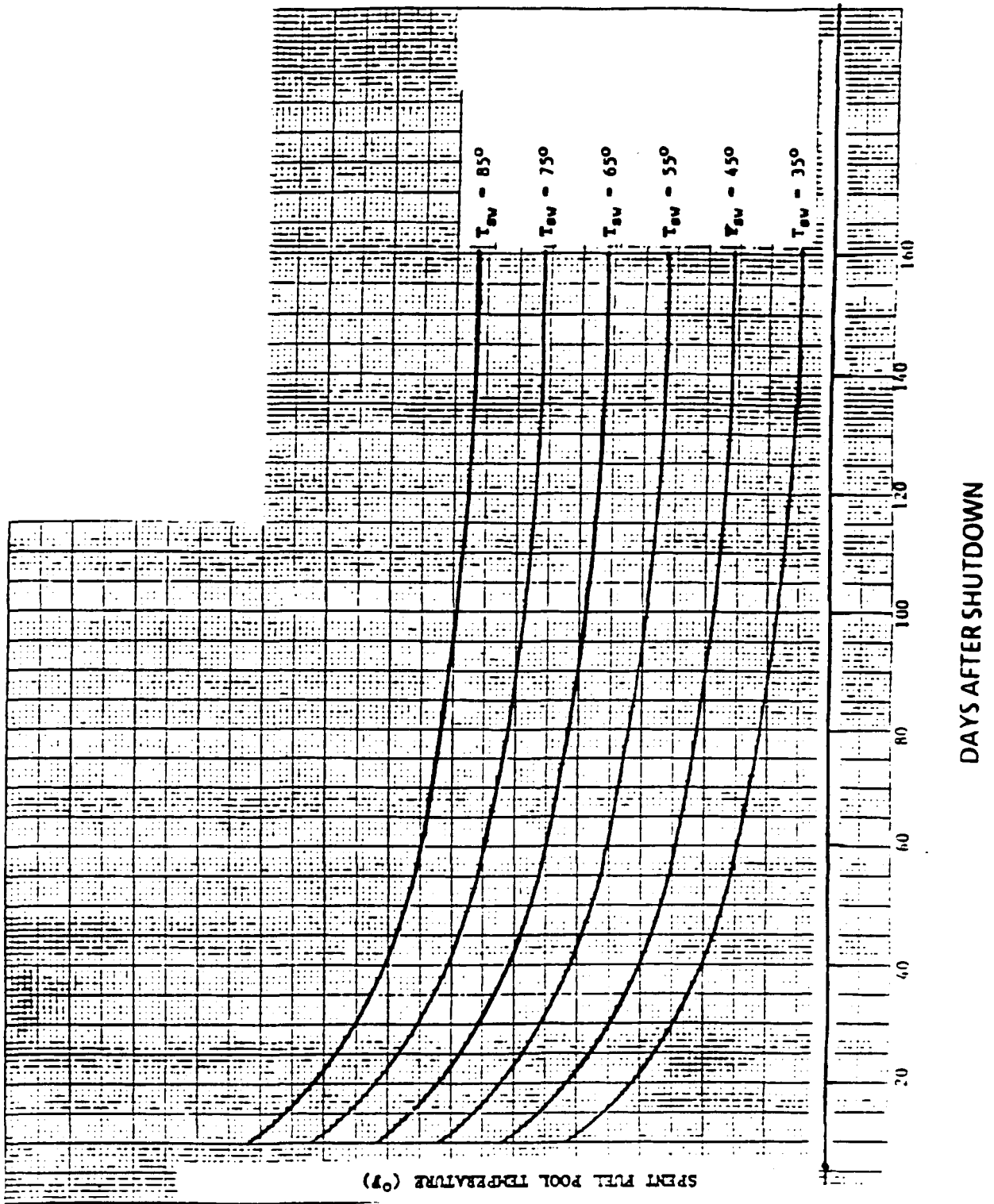
Attachment to Spent Fuel Pool

Fig. 9.1-10

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Figures 9.1-11 through 9.1-12B

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GPU Nuclear

Update - 5

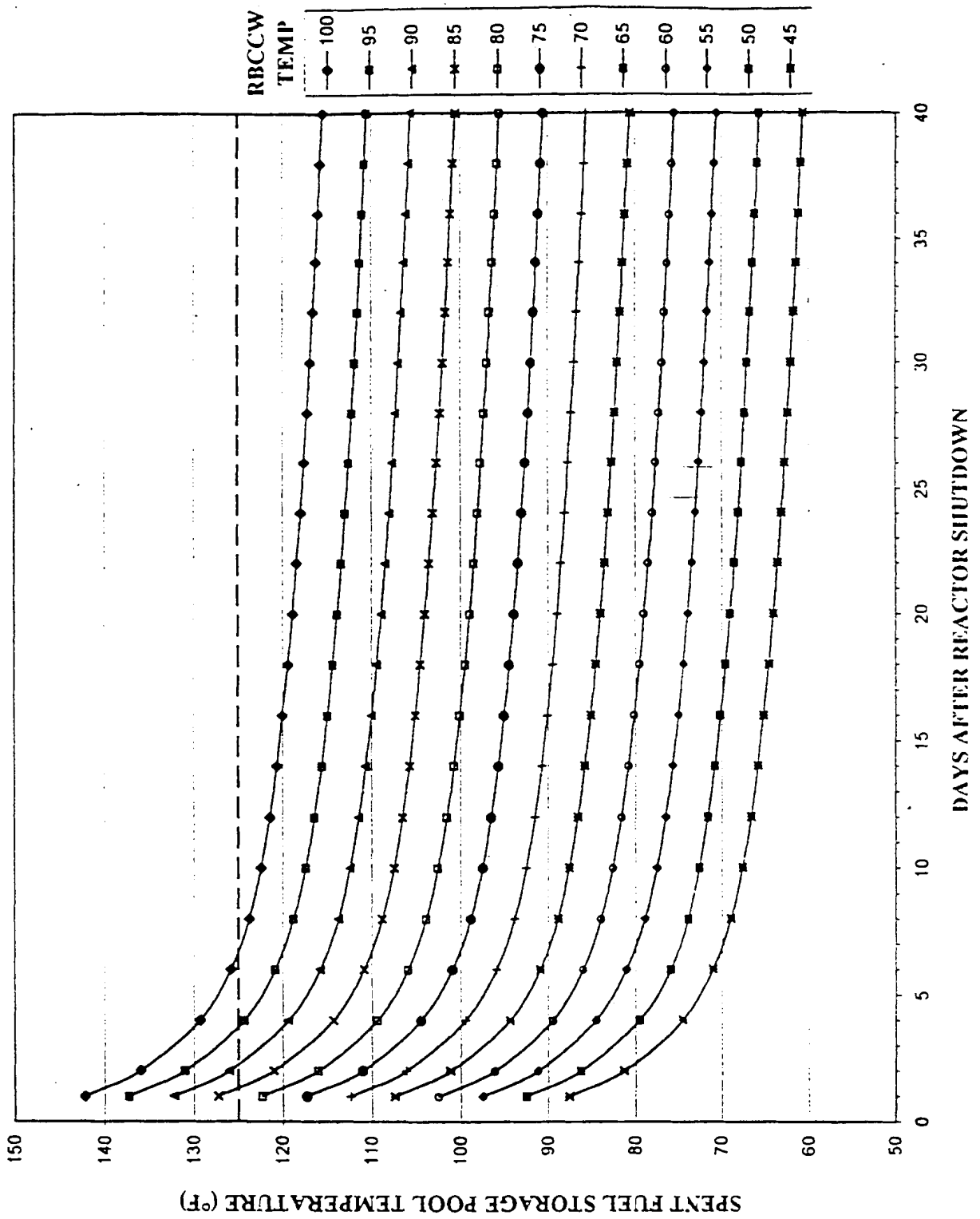
Oyster Creek


12/90

Fuel Pool Temperature vs Time After Shutdown
(Qt = 18.2x10⁶ Btu/hr)

Fig. 9.1-13

NORMAL REFUEL OFFLOAD



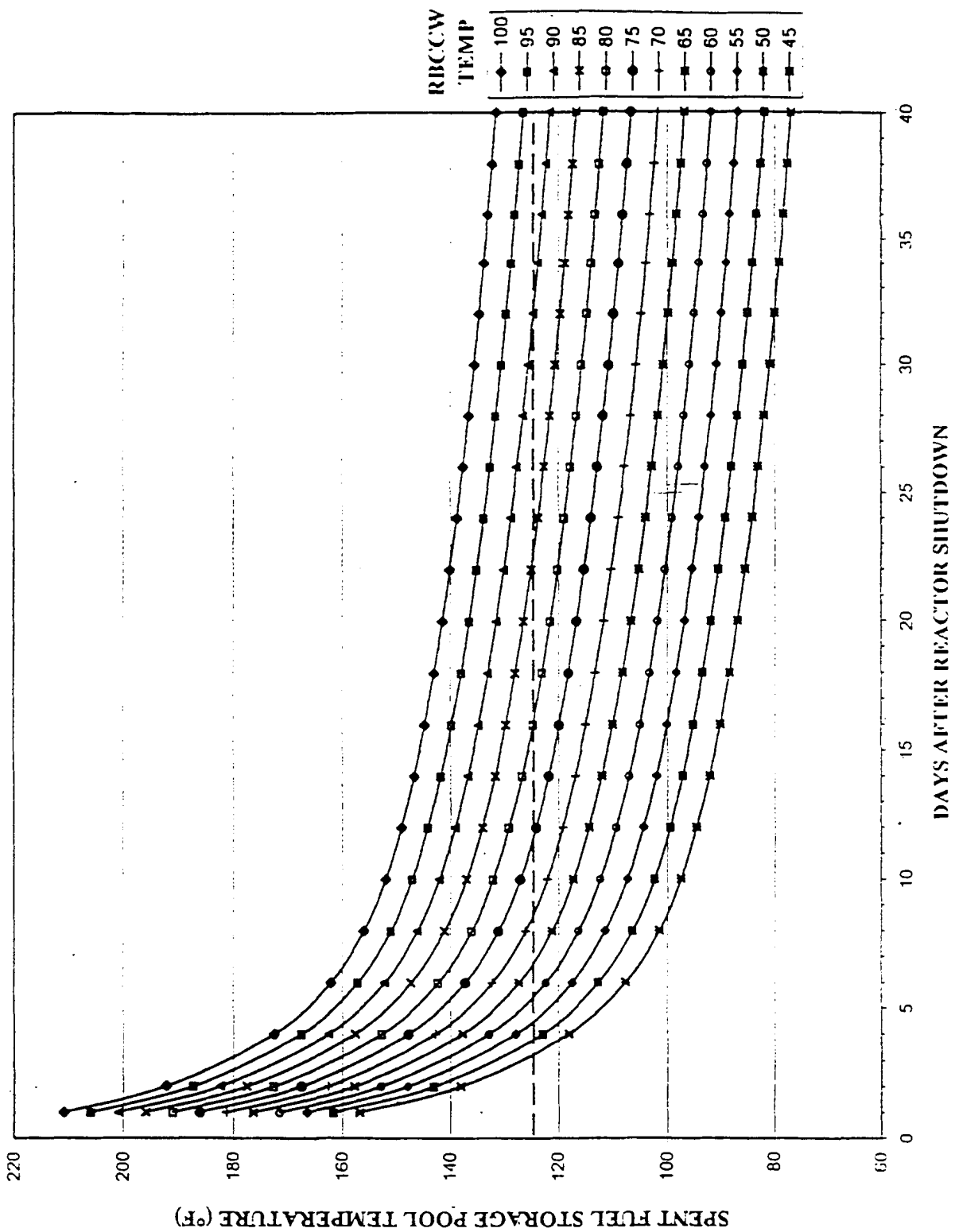


Update-11
04/99

Oyster Creek
Normal Refuel Offload
Spent Fuel Storage Pool Temperature
vs
Time After Reactor Shutdown

Fig.9.1-13A

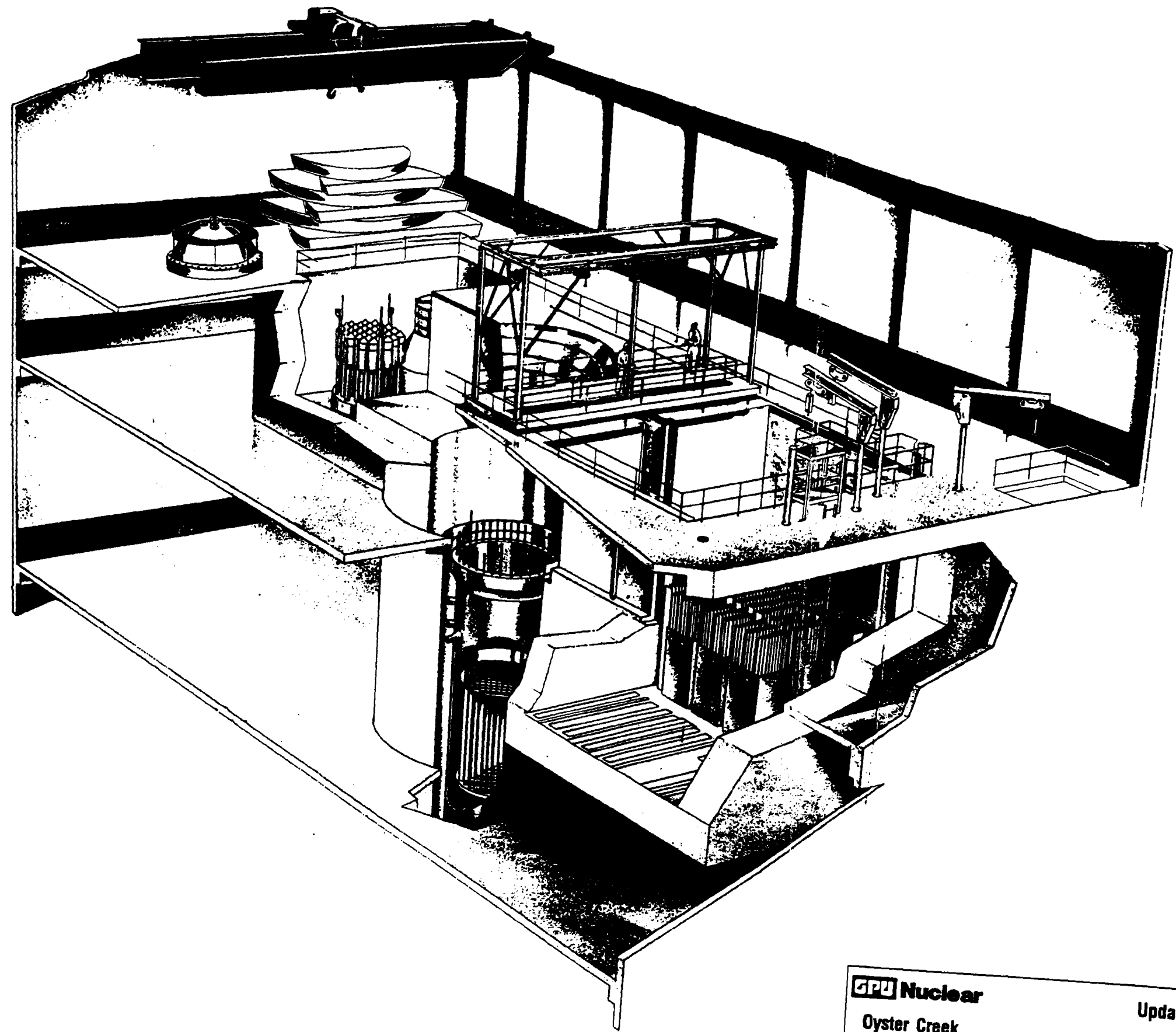
FULL CORE OFFLOAD



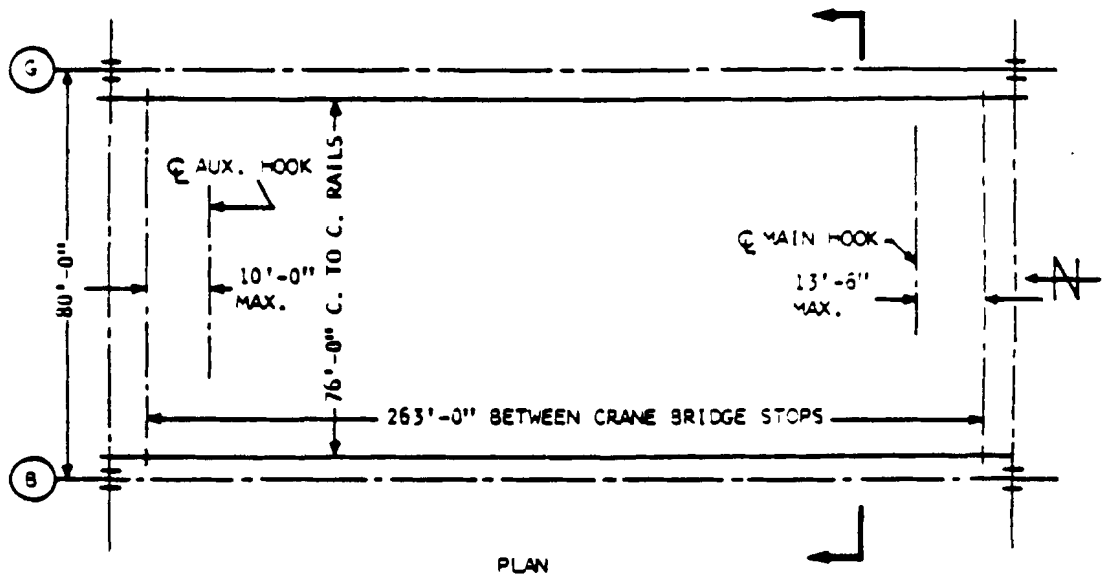
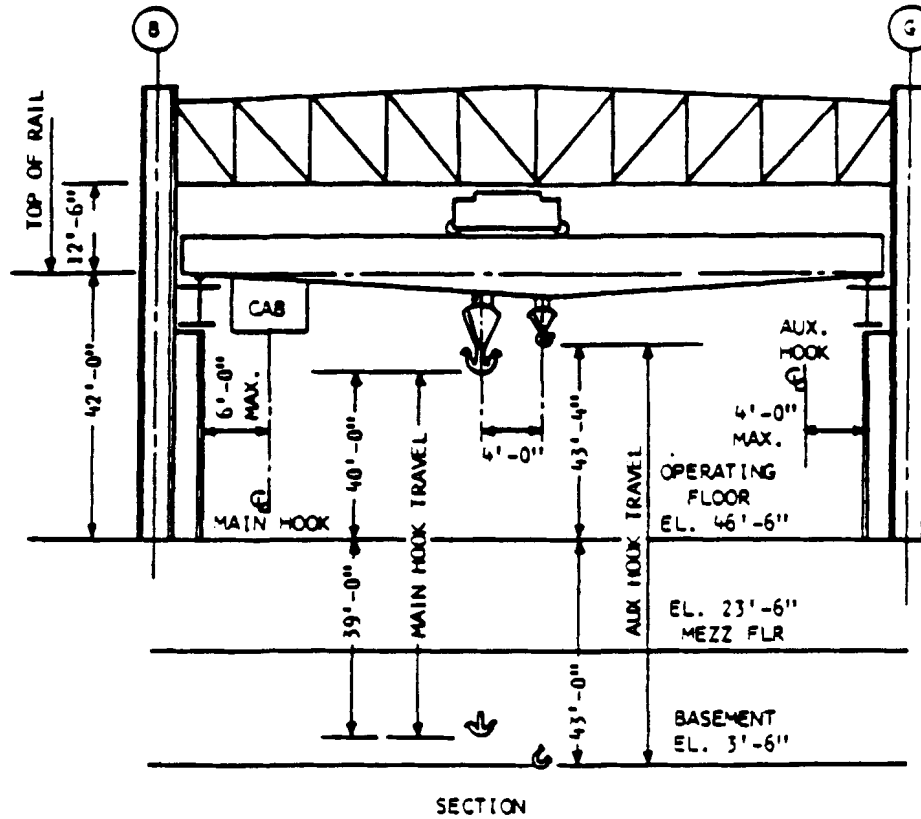
Update-11
04/99

Oyster Creek
Full Core Offload
Spent Fuel Storage Pool Temperature
vs
Time After Reactor Shutdown

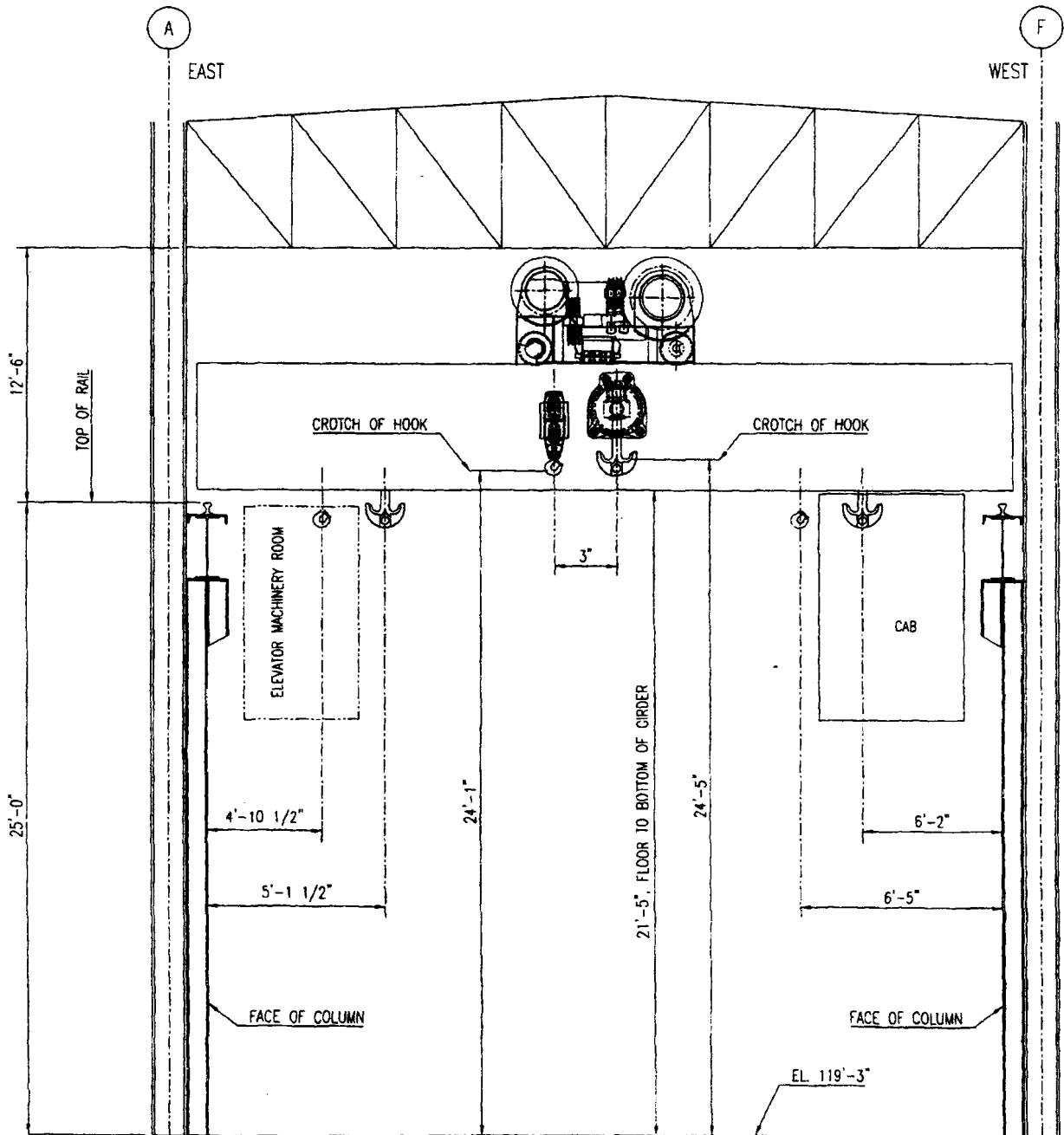
Fig.9.1-138



GPU Nuclear Update - 5
Oyster Creek 12/90
Reactor Refueling System — Pictorial
Fig. 9.1-14



GPU Nuclear	Update - 5
Oyster Creek	12/90
Turbine Building Crane, Limits of Travel	
Fig. 9.1-15	



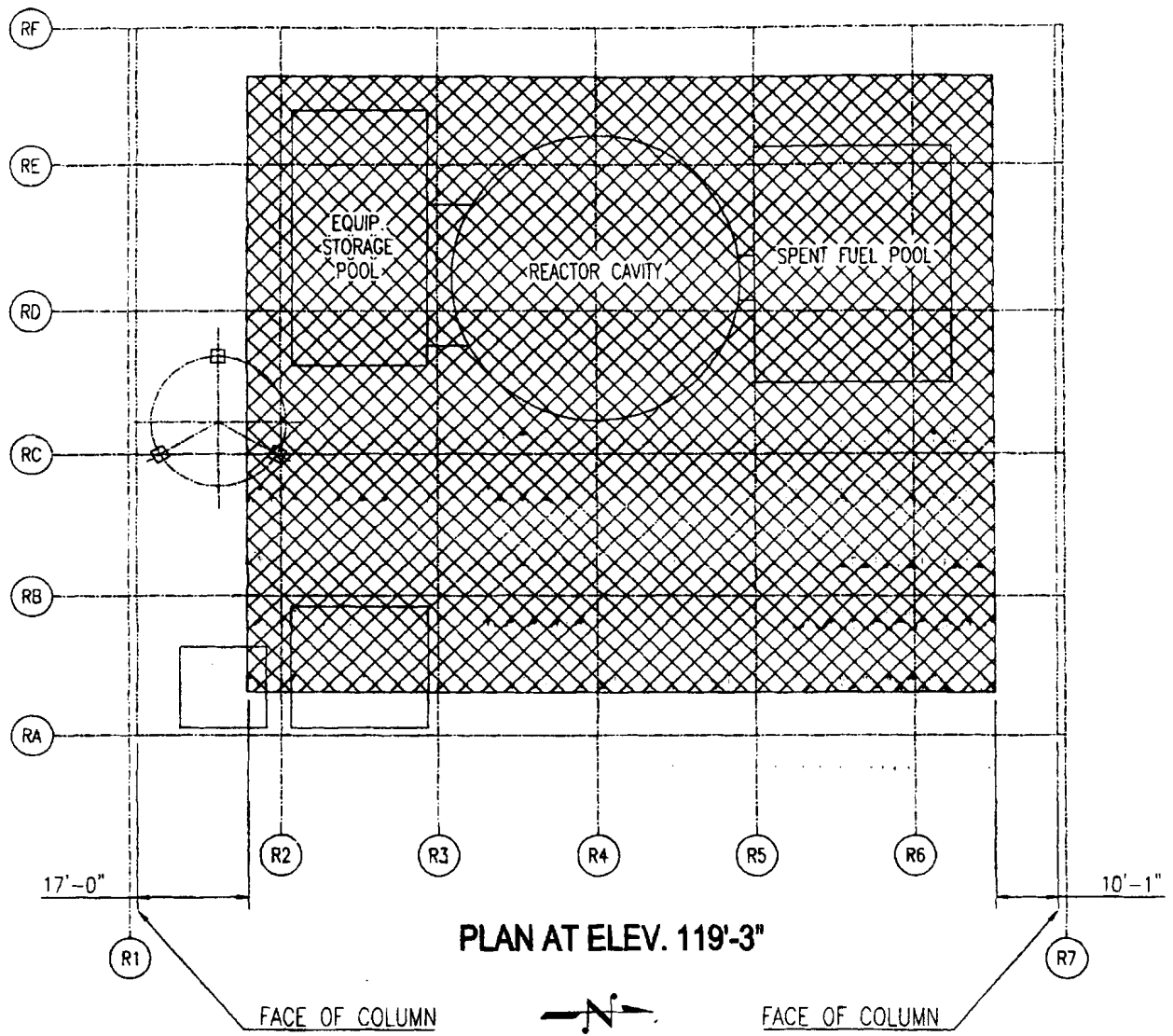
FABRICATION TOLERANCES	
0 - 2'-0" = ± 1/16	5'-1" - 10'-0" = ± 3/16
2'-1" - 5'-0" = ± 1/8	10'-1" & OVER = ± 1/4
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
MACHINING TOLERANCES UNLESS OTHERWISE SPECIFIED:	
FUNCTIONAL = ± 1/32	ANGLES = ± 1/2°
XXI = ± .015	✓ = 125 ✓
XXXI = ± .005	
BREAK ALL SHARP EDGES	
TOLERANCES	

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OYSTER CREEK NUCLEAR GENERATING STATION

**Reactor Building Crane,
Limits of Travel**

FIGURE 9.1-16 Sheet 1 of 3



NORTH / SOUTH AUX. HOIST HOOK APPROACHES

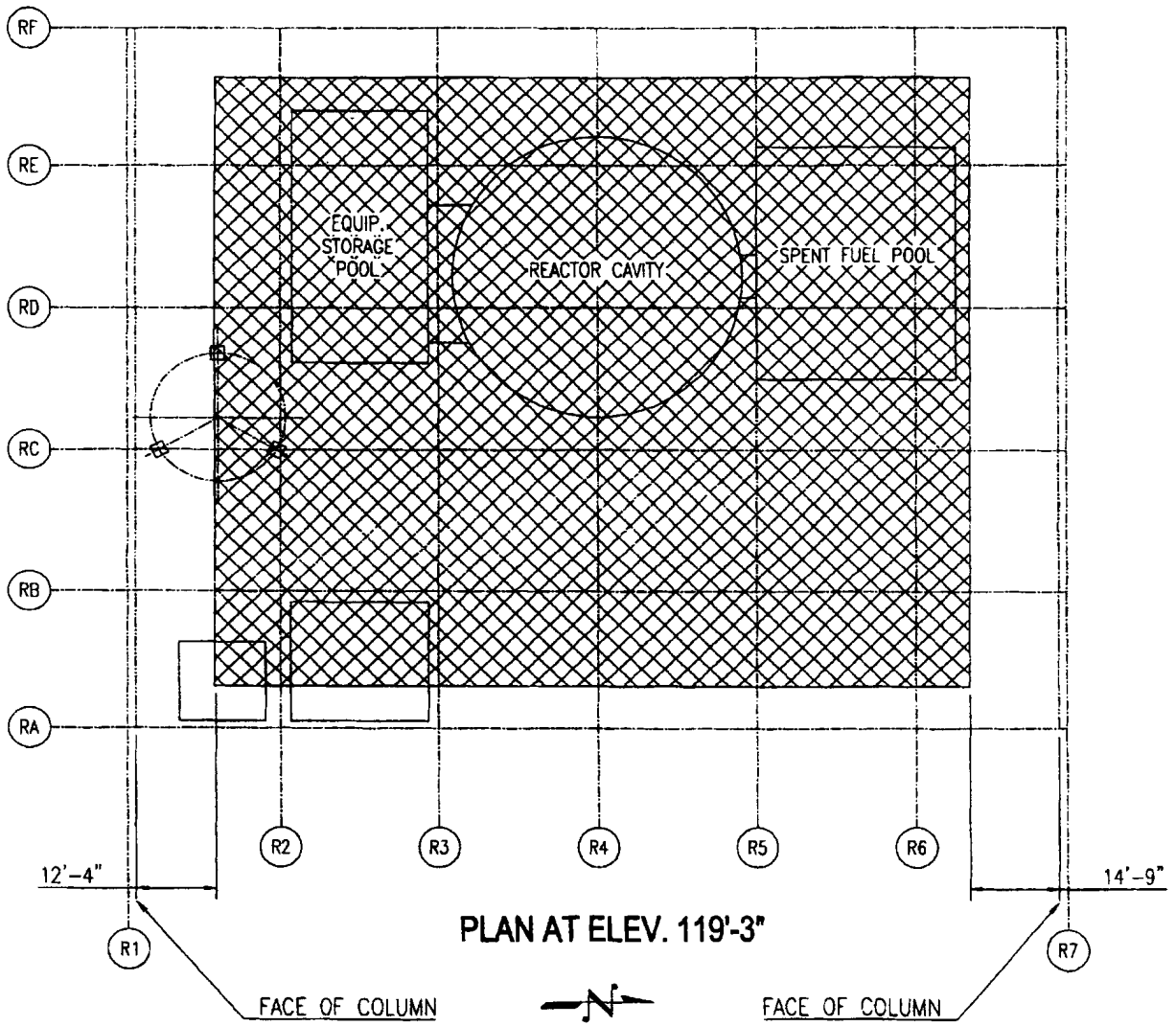
FABRICATION TOLERANCES	
0 - 2'-0" = ± 1/16	5'-1" - 10'-0" = ± 3/16
2'-1" - 5'-0" = ± 1/8	10'-1" & OVER = ± 1/4
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
MACHINING TOLERANCES UNLESS OTHERWISE SPECIFIED:	
FRACTIONAL = ± 1/32	ANGLES = ± 1/2°
X.XX = ± .015	✓ = 125 ✓
X.XXX = ± .005	
BREAK ALL SHARP EDGES	
TOLERANCES	

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OYSTER CREEK NUCLEAR GENERATING STATION

**Reactor Building Crane,
Limits of Travel**

FIGURE 9.1-16 Sheet 2 of 3



NORTH / SOUTH MAIN HOIST HOOK APPROACHES

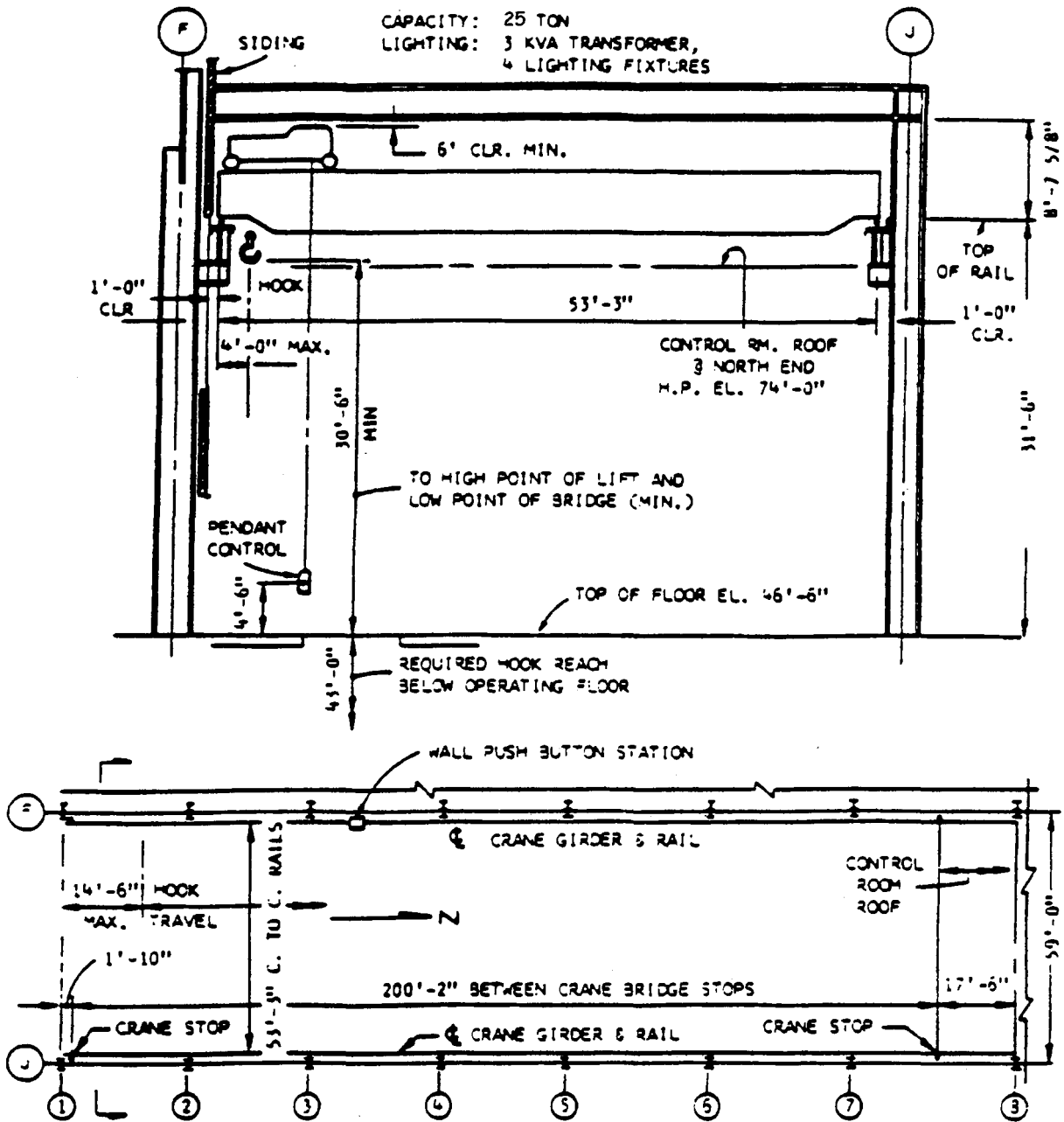
FABRICATION TOLERANCES	
0 - 2'-0" = ± 1/16	5'-1" - 10'-0" = ± 3/16
2'-1" - 5'-0" = ± 1/8	10'-1" & OVER = ± 1/4
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
MACHINING TOLERANCES UNLESS OTHERWISE SPECIFIED:	
FRACTIONAL = ± 1/32	ANGLES = ± 1/2°
X.XX = ± .015	✓ = 125 ✓
X.XXX = ± .005	
BREAK ALL SHARP EDGES	
TOLERANCES	

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OYSTER CREEK NUCLEAR GENERATING STATION

**Reactor Building Crane,
Limits of Travel**

FIGURE 9.1-16 Sheet 3 of 3

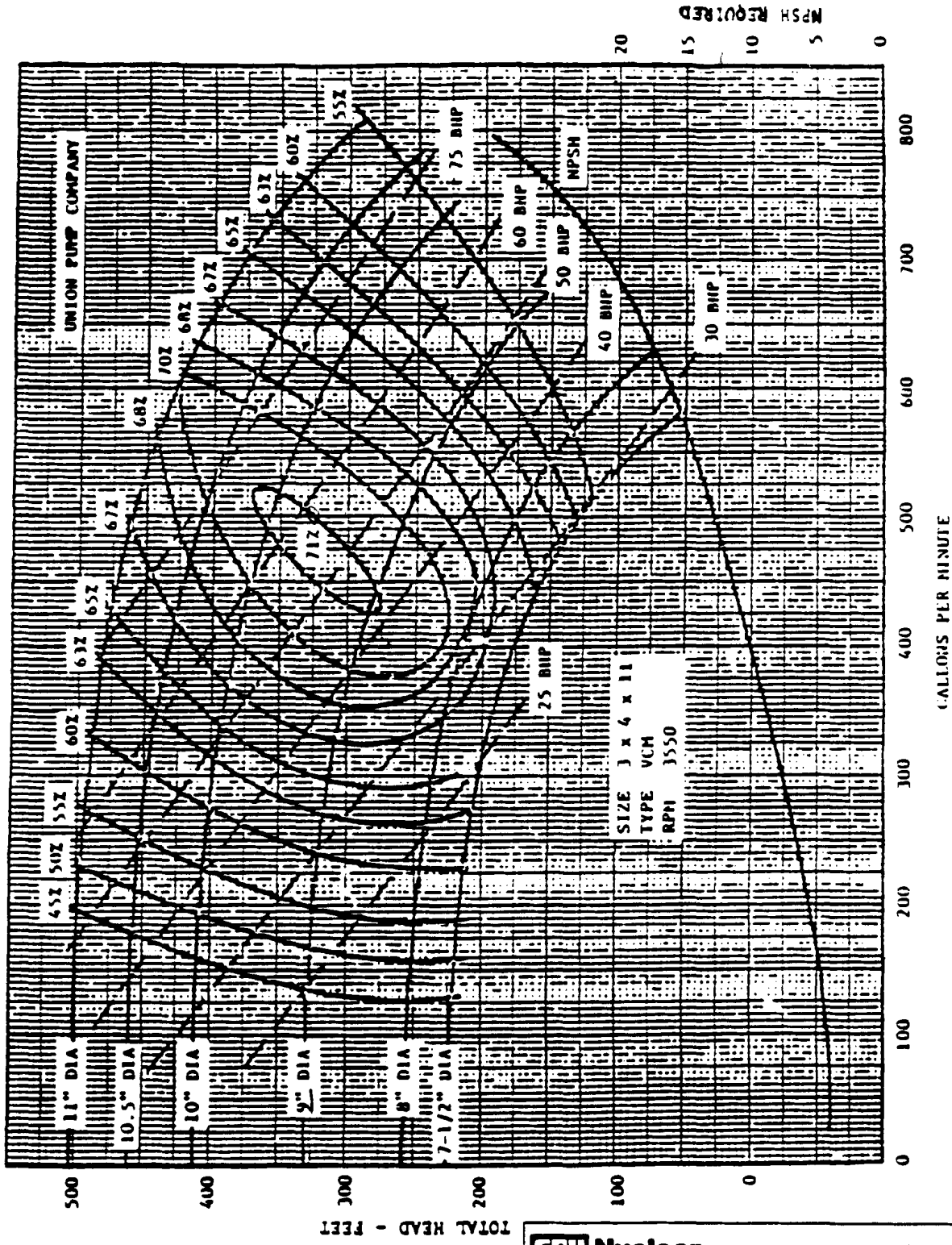


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 OYSTER CREEK NUCLEAR GENERATING STATION
**Heater Bay Crane,
 Limits of Travel**
 FIGURE 9.1-17

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Figures 9.1-18 through 9.1-19

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GPU Nuclear

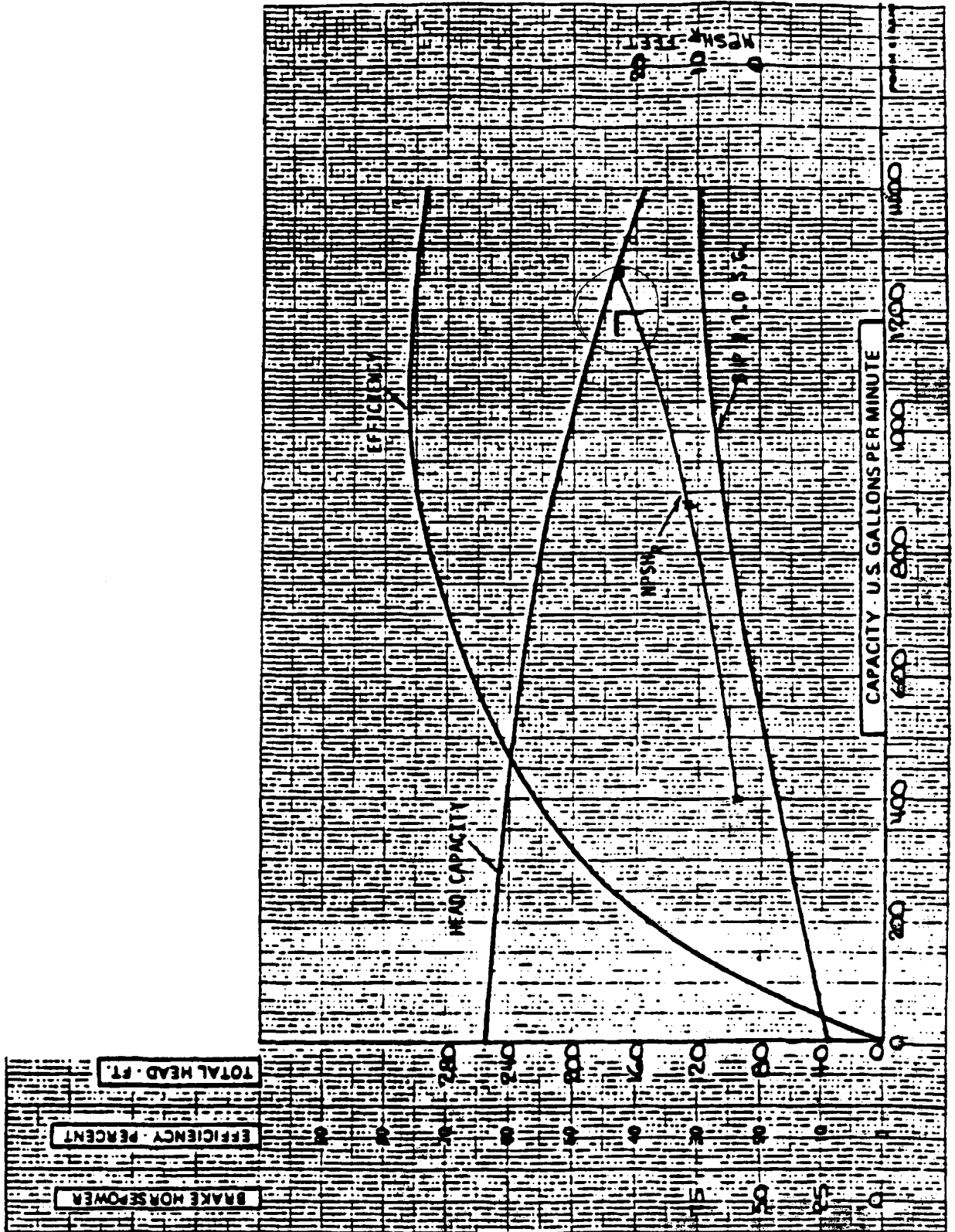
Oyster Creek

Fuel Pool Pump Performance Data

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12/90

Fig. 9.1-20



GP Nuclear

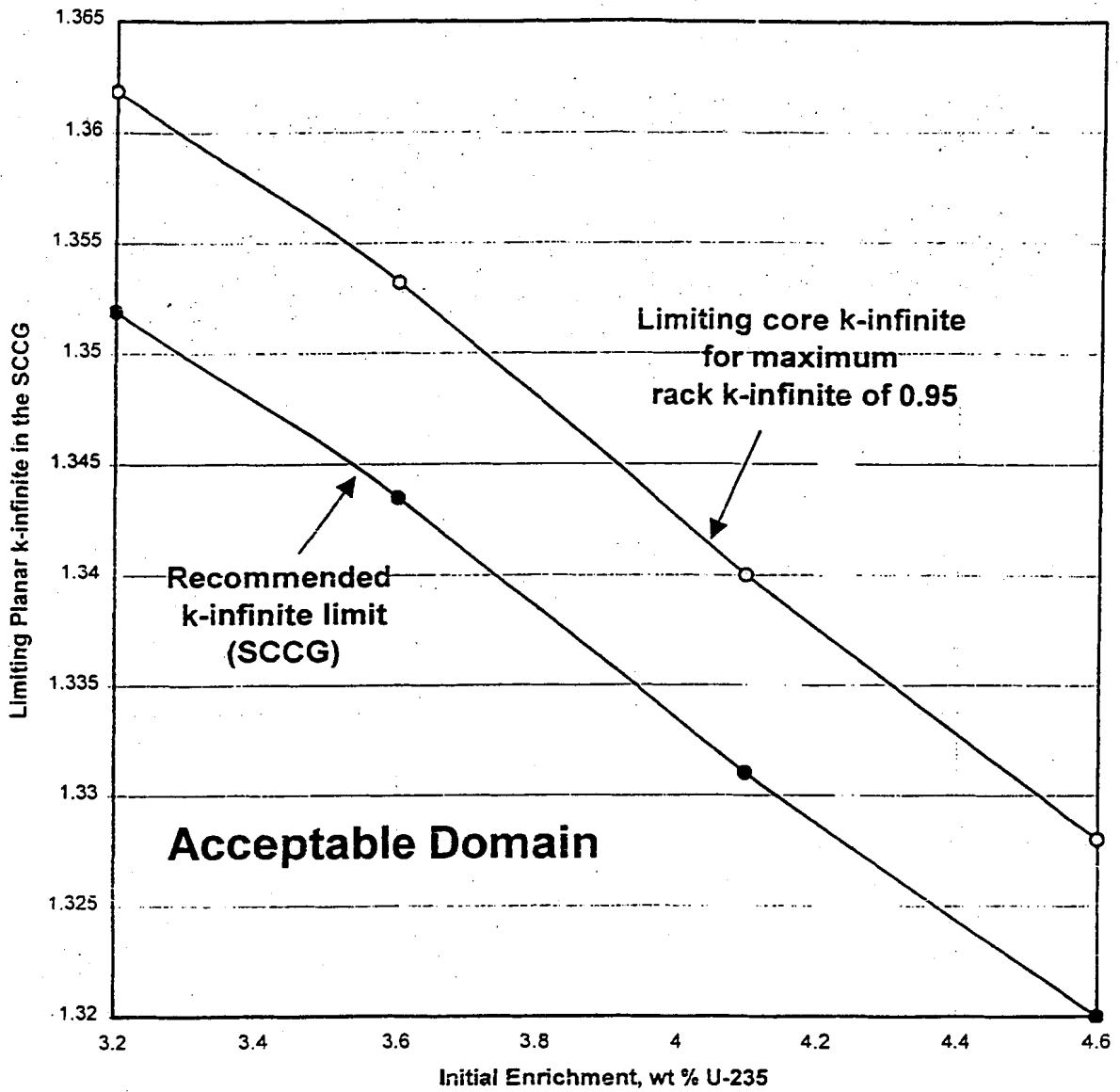
Update - 5

Oyster Creek

12/90

Augmented Spent Fuel Pool Pumps
Characteristic Curve

Fig. 9.1-21

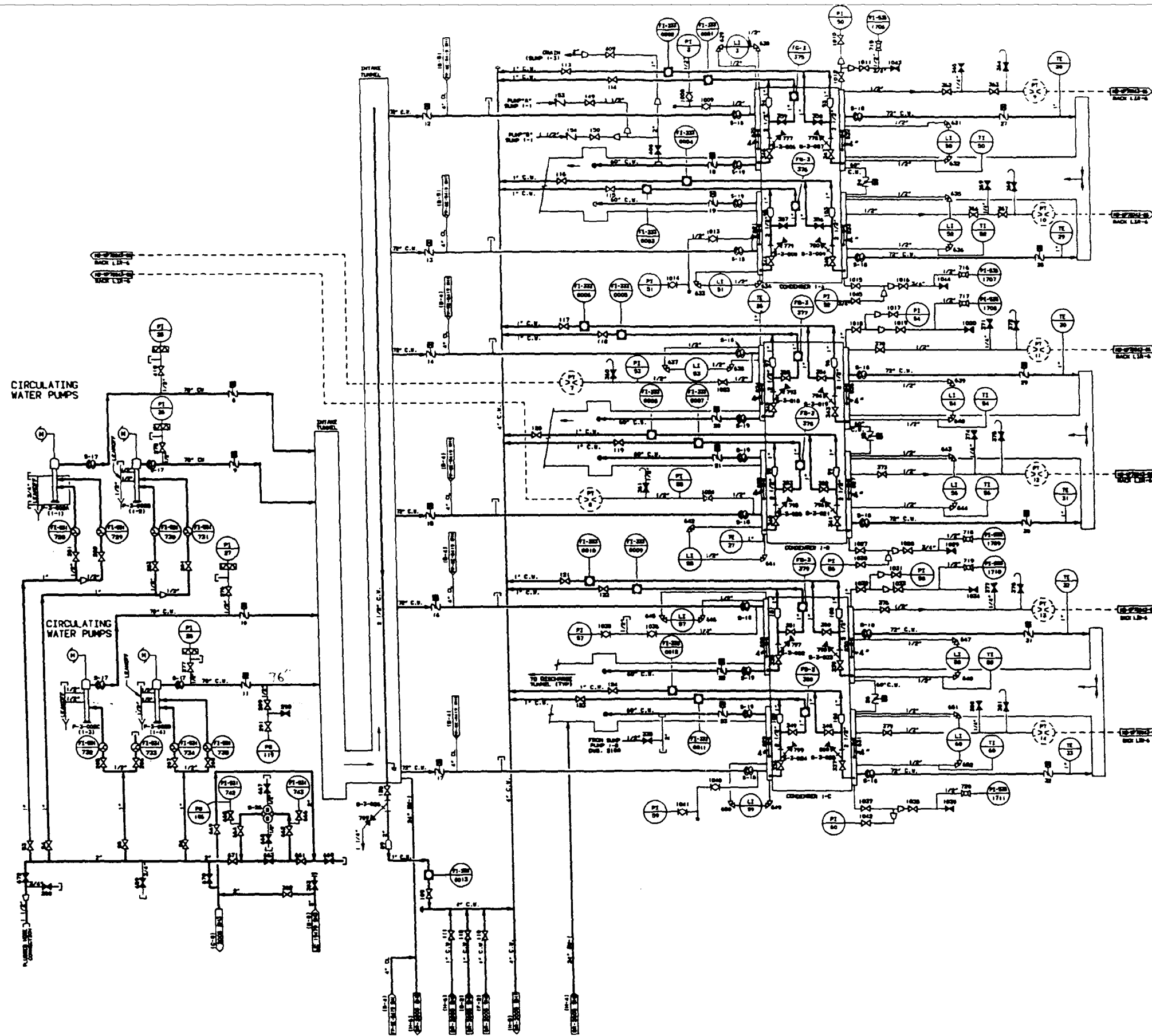


Rev. 12 04/01

OYSTER CREEK NUCLEAR GENERATING
STATION

LIMITING K -INFINITE IN THE STANDARD
COLD CORE GEOMETRY FOR FUEL
ENRICHMENTS BETWEEN 3.2 AND 4.6%

FIGURE 9.1-22



GP Nuclear Update - 6
 Oyster Creek 12/91
 Flow Diagram - Circulating, HP Screen Wash,
 Service & Emergency Service Water Systems
 Dwg. No. BR 2005, Rev. 39 Fig. 9.2-1

OCNGS UFSAR

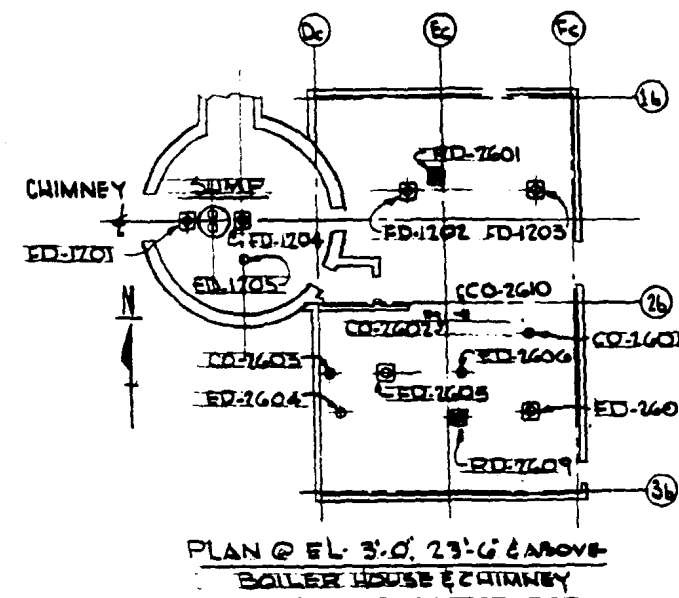
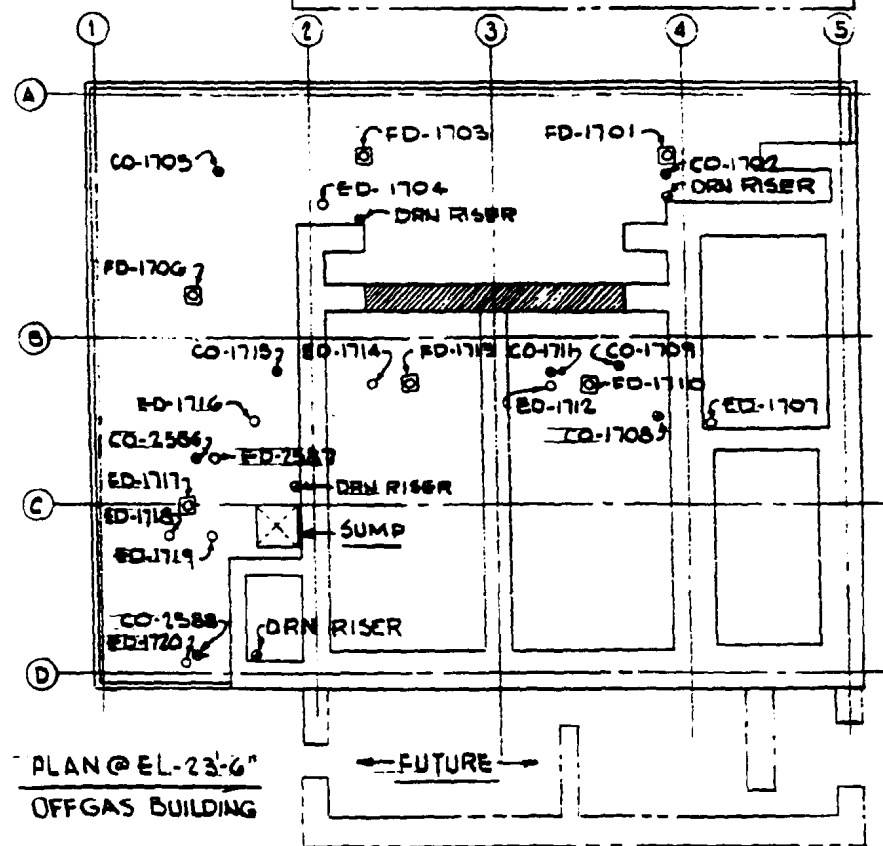
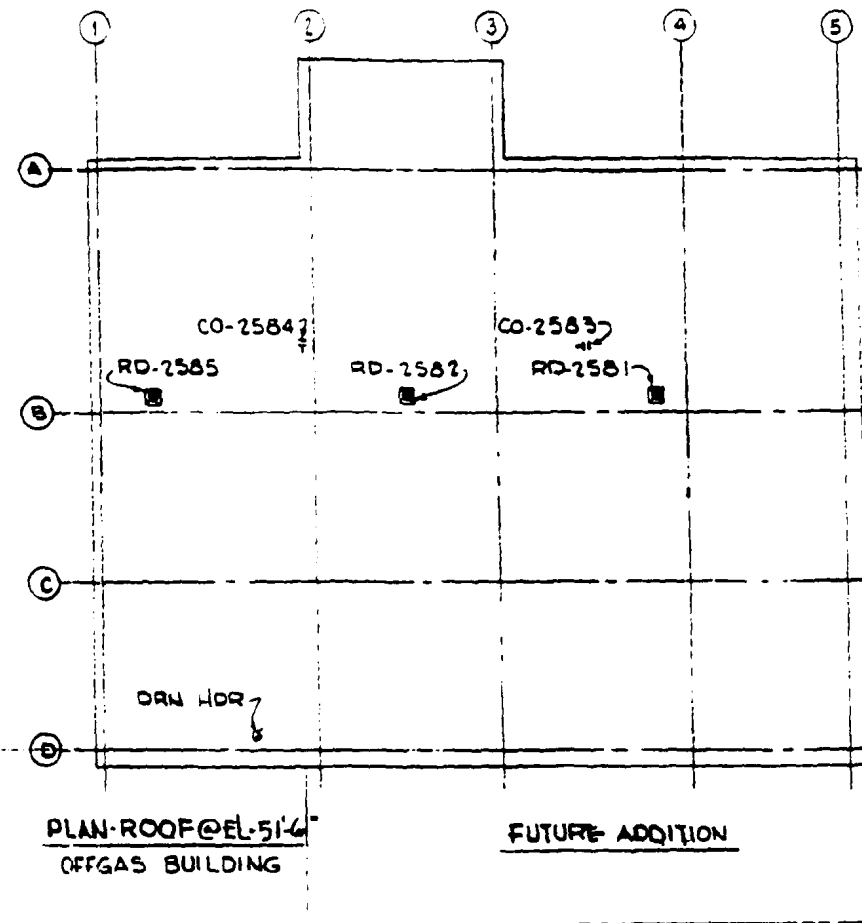
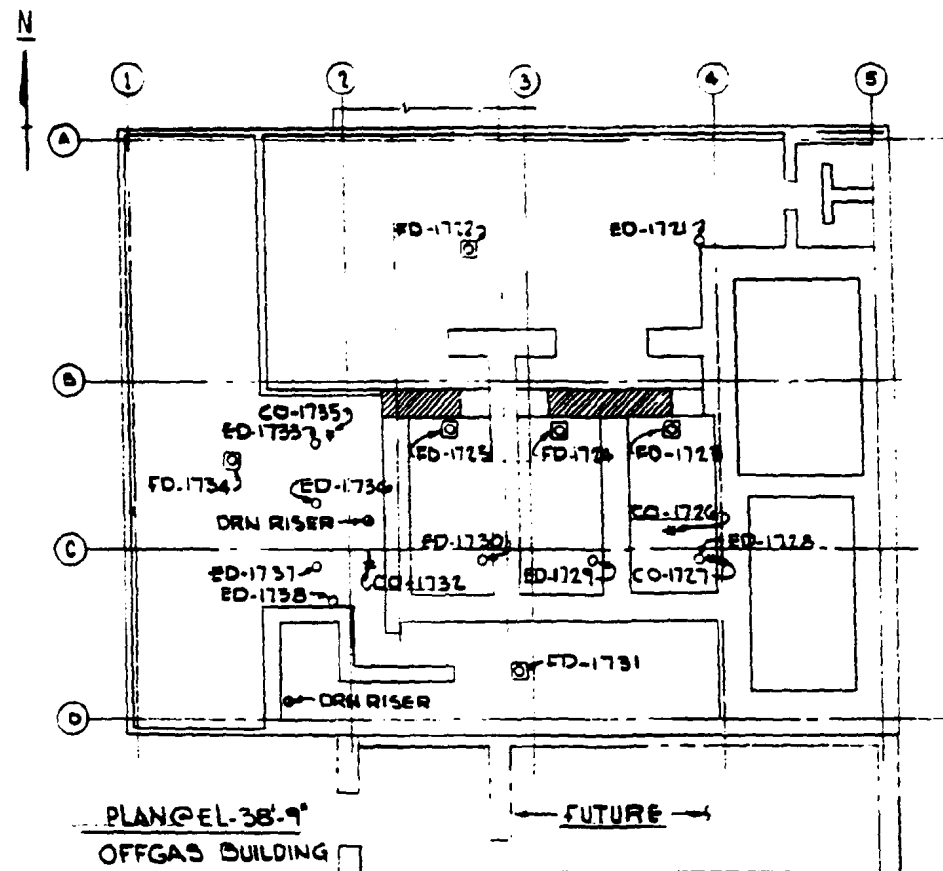
Figures 9.2-1A through 9.2-11

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OCNGS UFSAR

Figures 9.3-1A through 9.3-10

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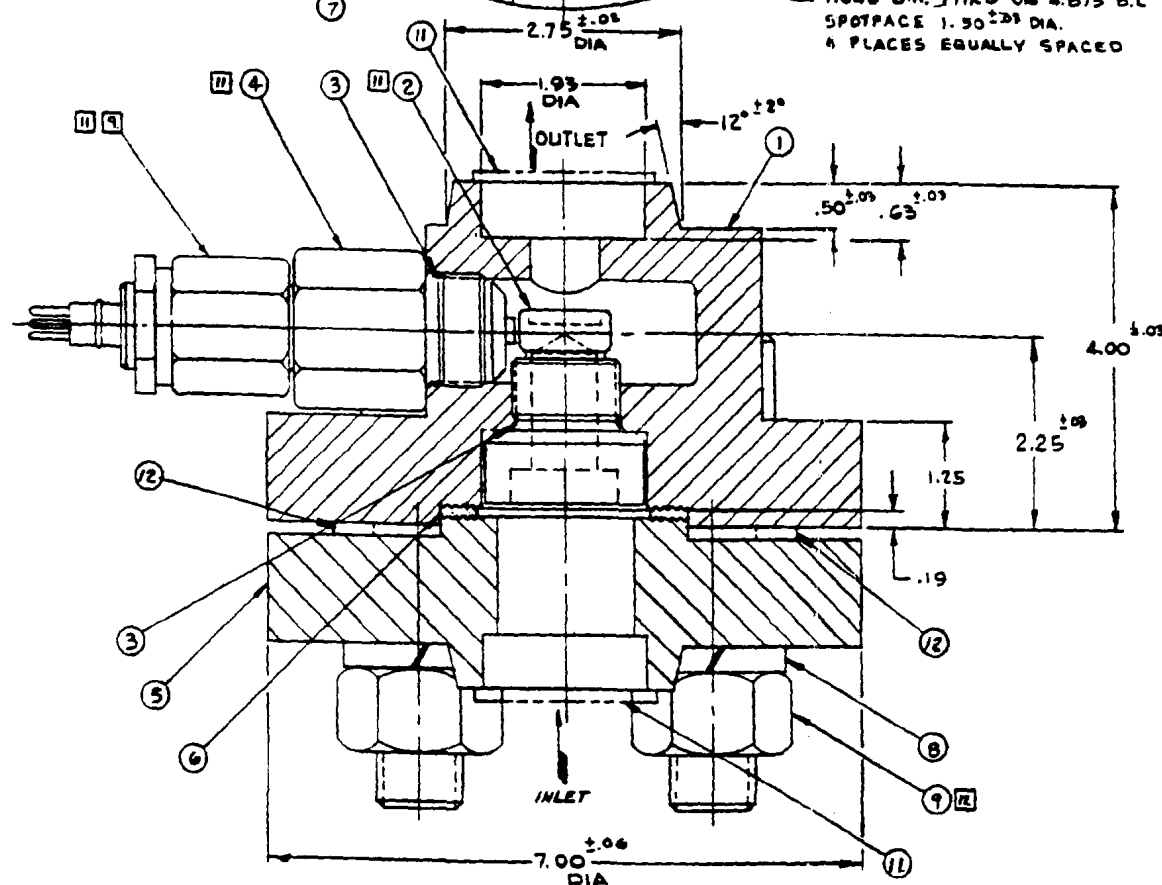
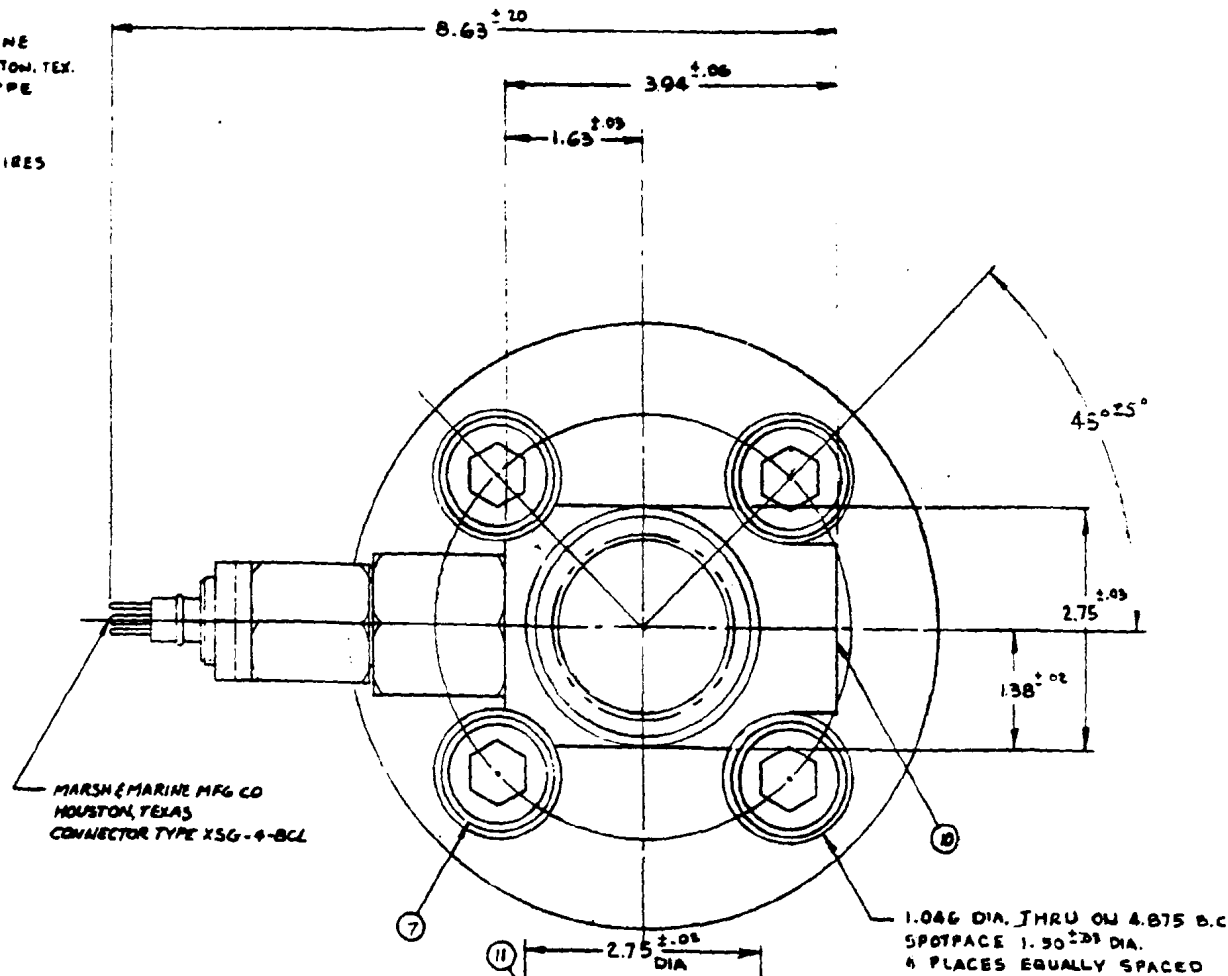
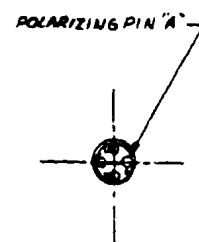
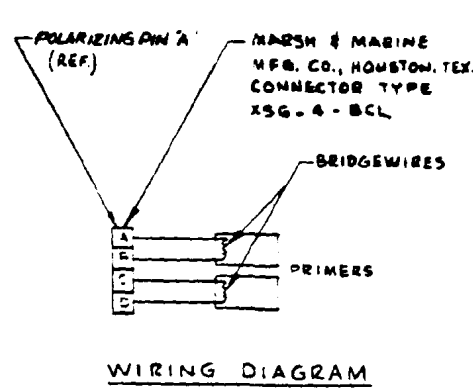
- LEGEND**
- ⊙ - FLOOR DRAIN - FD
 - ⊠ - ROOF DRAIN - RD
 - ⊞ - HUB DRAIN - HD
 - ⊕ - EQUIP DRAIN - ED
 - ⊙ - CLEAN OUT - CO
 - ⊙ - DRAIN RISER, VENT OR HEADER

	Nuclear	Update - 5
	Oyster Creek	12/90
	Roof, Floor & Equipment Drains - Offgas & Boiler Buildings - Roof & Floor Plans	
		Fig. 9.3-11

OCNGS UFSAR

Figure 9.3-12

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SPECIFICATIONS:

- | | |
|---------------------------------------|--|
| 1. CIRCUIT RESISTANCE | = 0.6 - 1.2 Ω /CIRCUIT |
| 2. CONTINUITY TEST CURRENT, MAX. | = 0.01 AMP/CIRCUIT |
| 3. MAX. POSITIVE NO-FIRE | = 0.15 AMP/CIRCUIT |
| 4. MIN. RECOMM. FIRING CURRENT | = 2.0 AMPS/CIRCUIT |
| 5. OPER. TIME @ 2.0 AMPS/CIRCUIT | = 0.002 SEC. NOM. |
| 6. DIELECTRIC STRENGTH PRIMER TO CASE | = 500 VAC RMS |
| 7. OPERATING RANGE | = -65°F TO +160°F |
| 8. SERVICE | = SODIUM PENTABORATE (Na ₂ B ₁₀ O ₁₆ · 10 H ₂ O, 13.5% SOLUTION BY WEIGHT) |
| 9. WEIGHT EST. | = 20.0 LBS (LESS MATING FLANGE & BOLTS) |
| 10. OPERATING PRESSURE | = 5,000 PSI BOTH WAYS |
| 11. PROOF PRESSURE MAX. | = 7,500 PSI BOTH WAYS |
| 12. BURST PRESSURE MIN. | = 10,000 PSI |
| 13. MINIMUM PASSAGE DIA. | = 0.80 DIA. |
| 14. ESTIMATED EXTERNAL VOLUME | = 16.0 CM ³ (LESS MATING FLANGE & BOLTS) |

QTY	UNIT	PART NUMBER	DESCRIPTION	MATL	MATL SPEC	UNIT WT
4	4	1116-039-01	SPACER	304 SST	QQ-S-764, COND A	
2	2	11	PROTECTIVE CLOSURE	304 SST	QQ-S-764, COND A	
1	1	1216-003-01	NAMEPLATE	ALFO	ALUMINUM BRASS	
3	4	4	NUT HEAVY H-MANE-2A	SST		
3	4	8	SPLIT WASHER HEAVY	SST		
4	4	7	SOCKET HEAD CAP SCREW 1/8 UNF-2A X 5/2 UNF	SST		
2	2	1124-012-01	GASKET, FLANGE	1/2	REL-F-ELASTOMER SHEET	
1	1	1103-009-01	WELD FLANGE, SOCKET TYPE 900° 1/2 PS. 304 SST			
1	1	1617-139-01	TRIGGER ASSEMBLY	1/2	REL-F-ELASTOMER SHEET	
2	2	1202-916-07	O-RINGS (NIP) 7/16	1/2	REL-F-ELASTOMER 5500	
1	1	1103-008-01	FITTING, INLET	1/2	304 SST	QQ-S-763, COND A
1	1	101094-01	VALVE BODY	304 SST	QQ-S-763, COND A	
		1832-117-02	VALVE ASSEMBLY	4		
		1832-117-01	VALVE ASSEMBLY	4		

LIST OF MATERIAL

GPU Nuclear Update - 5
Oyster Creek 12/90
Explosive Valve
(Cross Section View)
 Fig. 93-13

OCNGS UFSAR

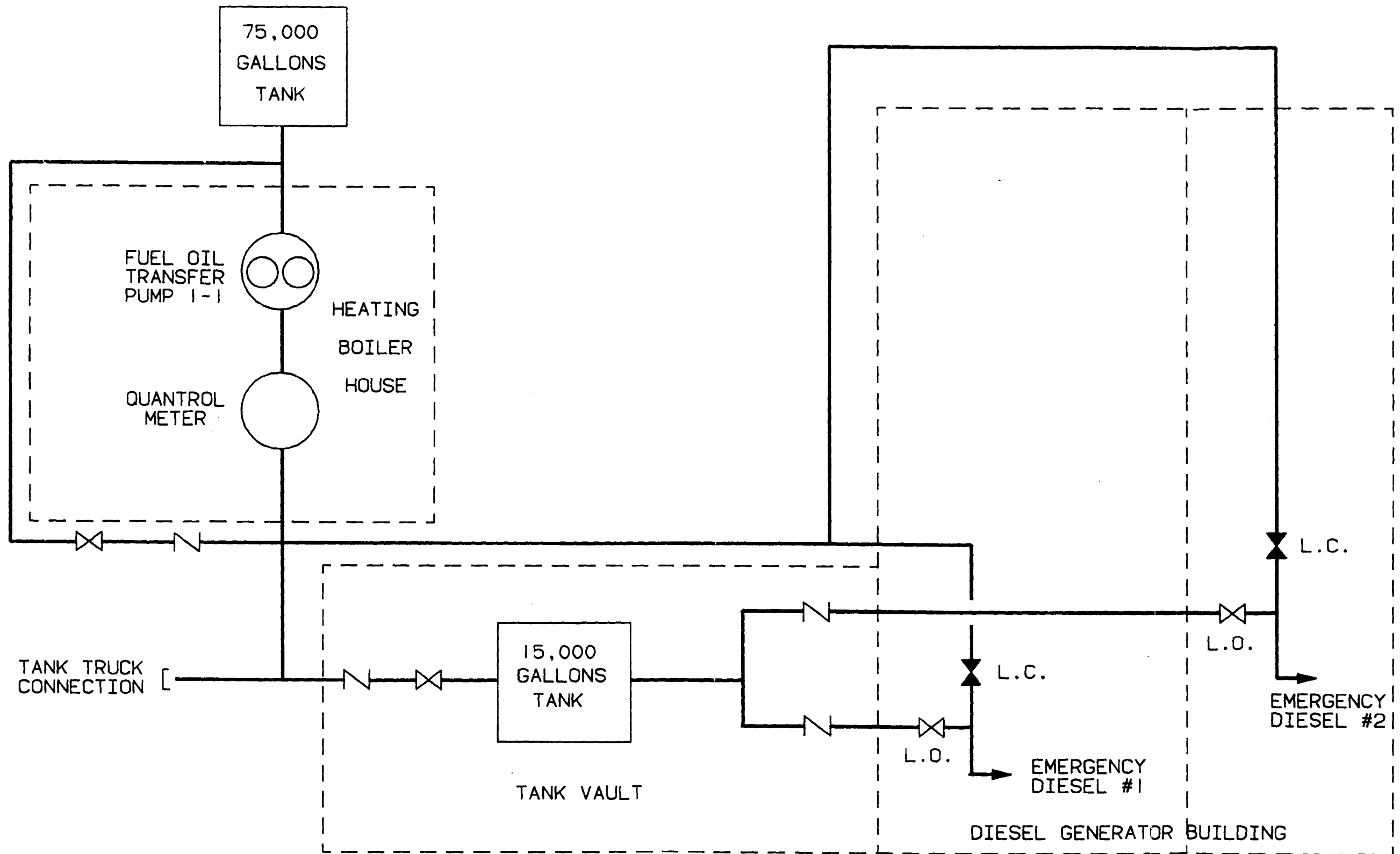
Figures 9.4-1A through 9.4-5C

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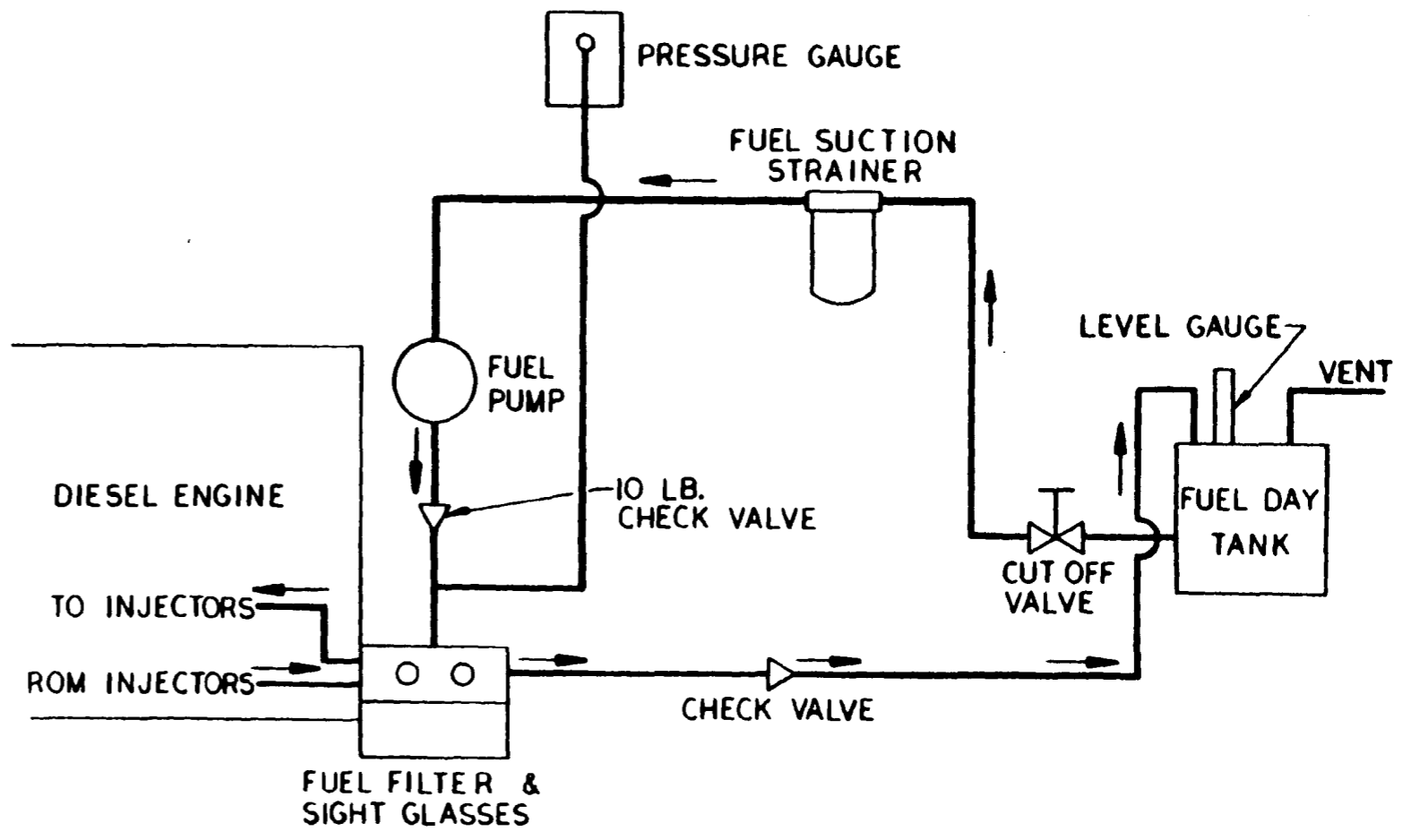
OCNGS UFSAR

Figures 9.5-1A through 9.5-2B

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GPU Nuclear	Update-6
Oyster Creek	12/91
Diesel Generator Equipment Layout	
CADD #S1B,SKM,00,0281,001-.0601	Fig.9.5-3

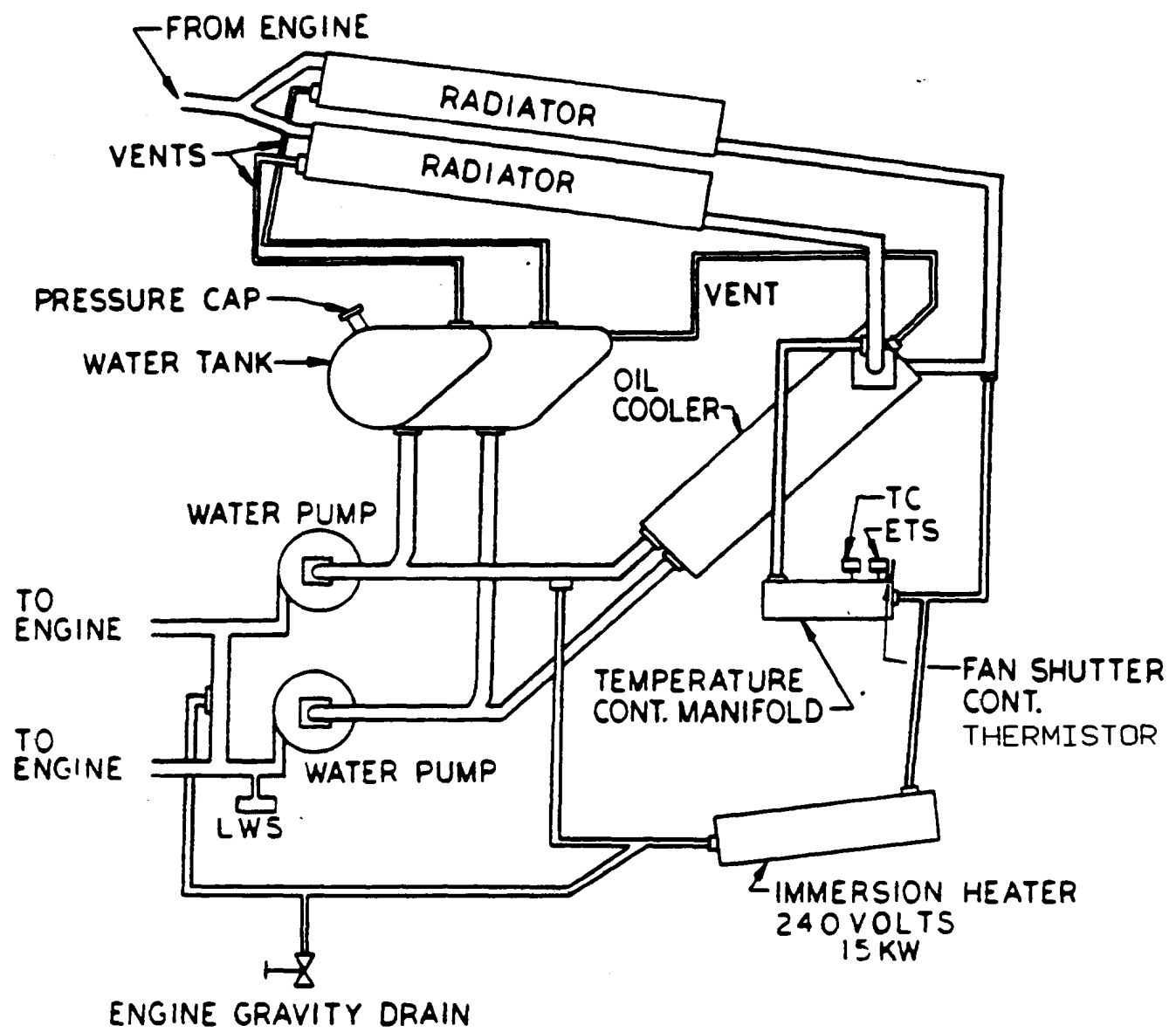


NP Nuclear
 Oyster Creek
 Diesel Generator Fuel Oil Schematic
 Update - 5
 12/90
 Fig. 9S-4

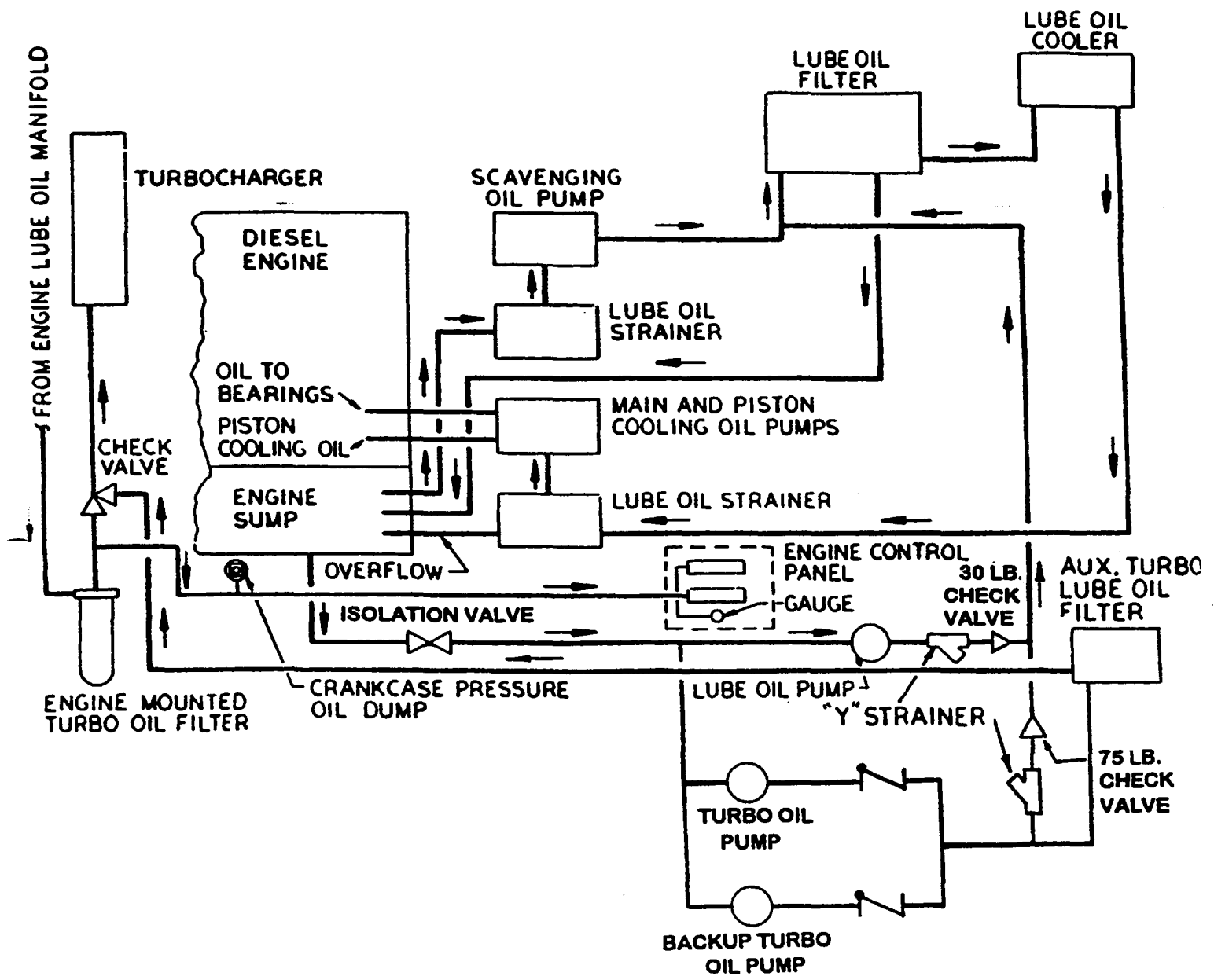
OCNGS UFSAR

Figure 9.5-5

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GPU Nuclear	Update 9
Oyster Creek	6/95
Diesel Generator Cooling System Schematic	
	Fig. 25-6



GPU Nuclear

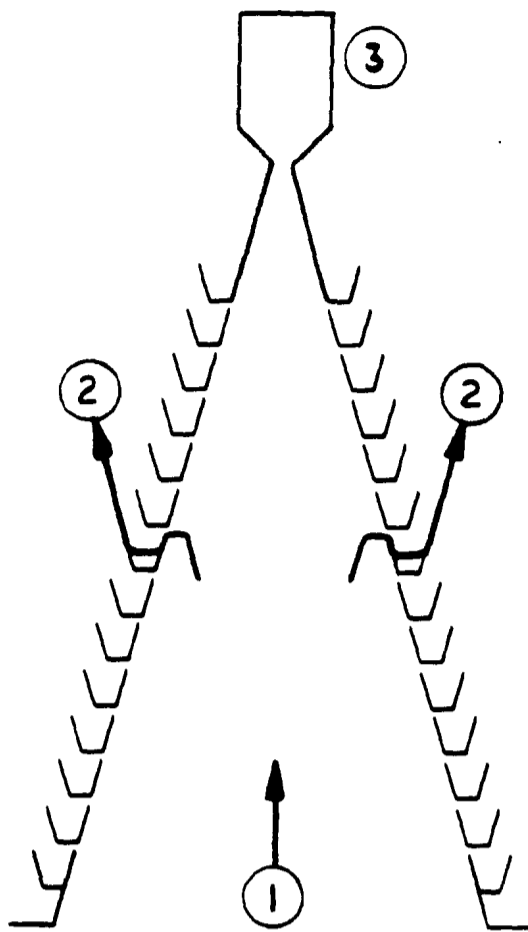
Update - 10

Oyster Creek

04/97

Diesel Generator Lube Oil System Schematic

Fig. 9.5-7



- 1-OUTSIDE AIR INTAKE
- 2-CLEAN AIR INTO SEALED COMPARTMENT
- 3-BLOWER DRIVEN AIR CARRYING DIRT

GPU Nuclear	Update - 5
Oyster Creek	12/90
Diesel Generator Inertial Air Filter Cell Diagram	
	Fig. 9.5-8