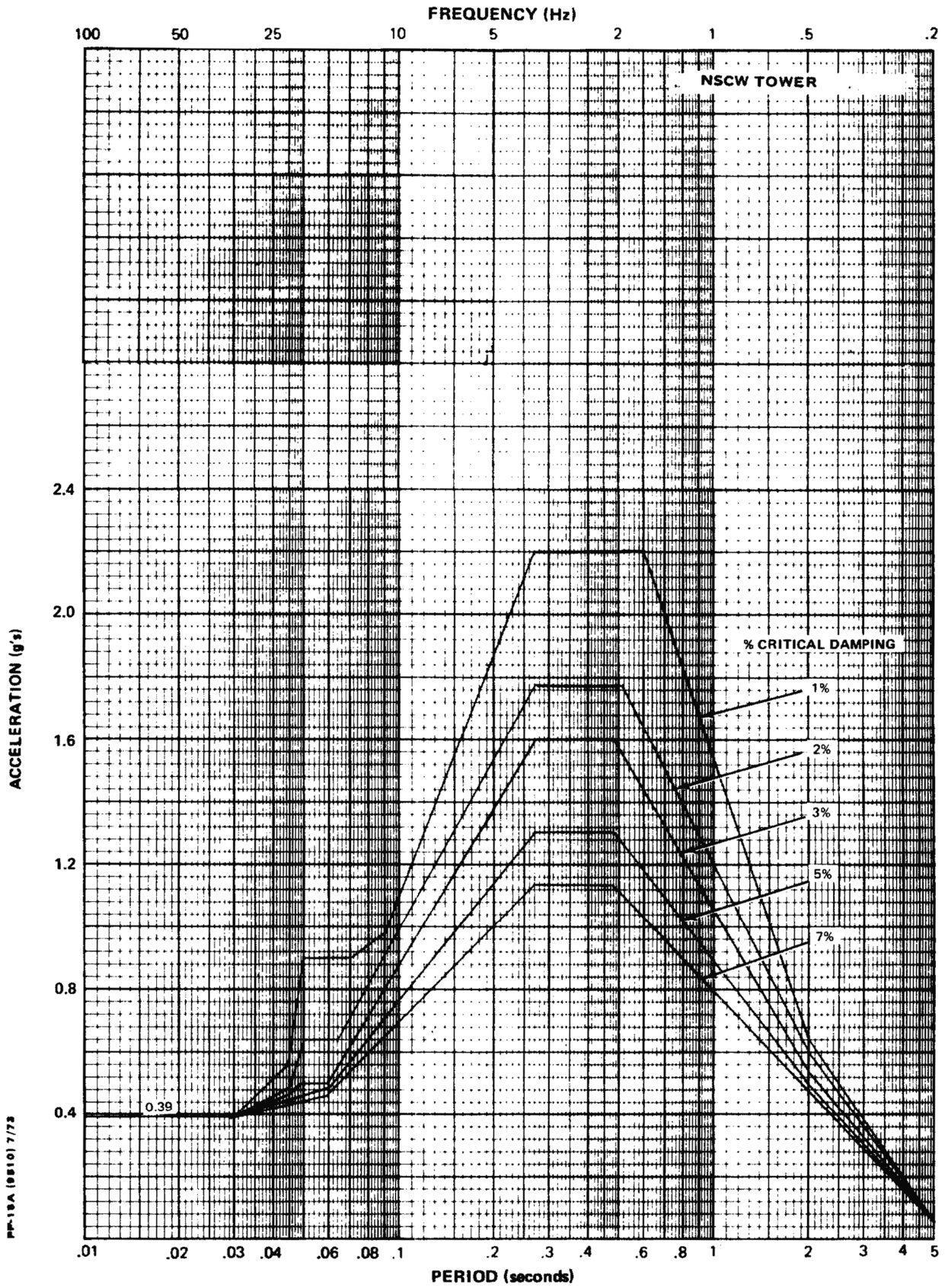


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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

OPERATING BASIS EARTHQUAKE  
VERTICAL ACCEL. RESPONSE SPECTRA  
EL. 137 FT 0 IN.  
FIGURE 3D-66

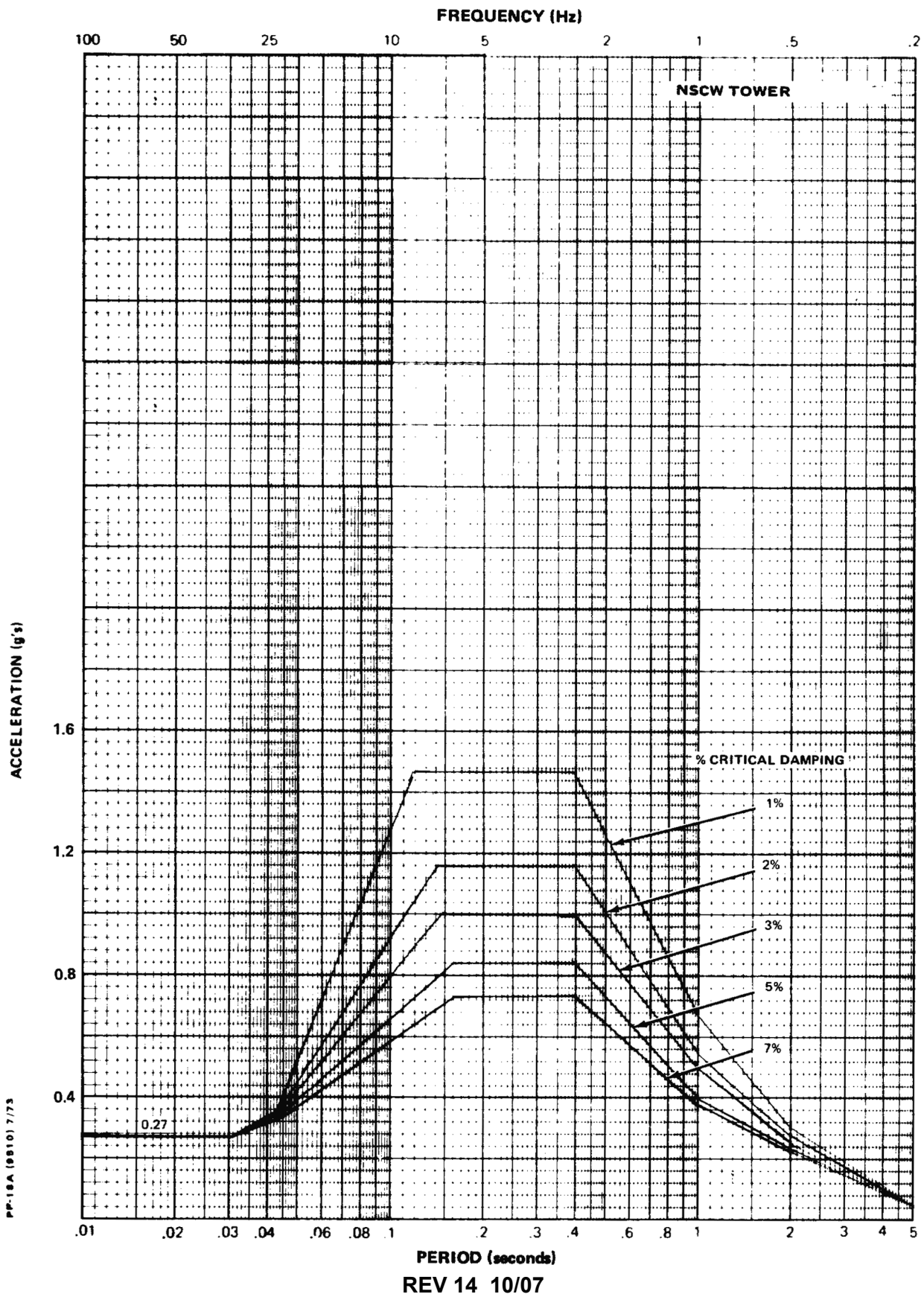


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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

SAFE SHUTDOWN EARTHQUAKE  
HORIZ. ACCEL. RESPONSE SPECTRA  
EL. 218 FT 6 IN.  
FIGURE 3D-67

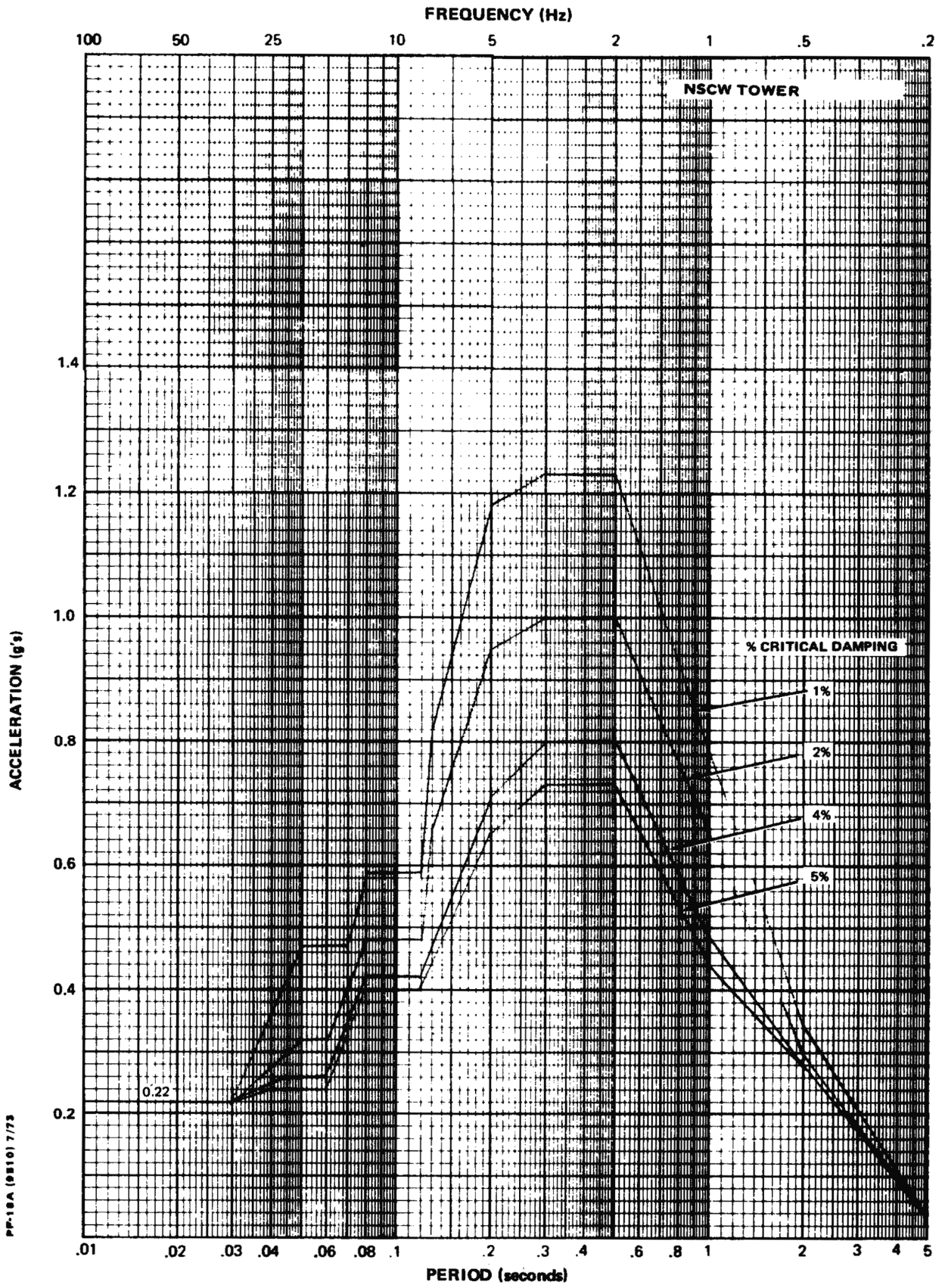


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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

SAFE SHUTDOWN EARTHQUAKE  
VERTICAL ACCEL. RESPONSE SPECTRA  
EL. 218 FT 6 IN.  
FIGURE 3D-68

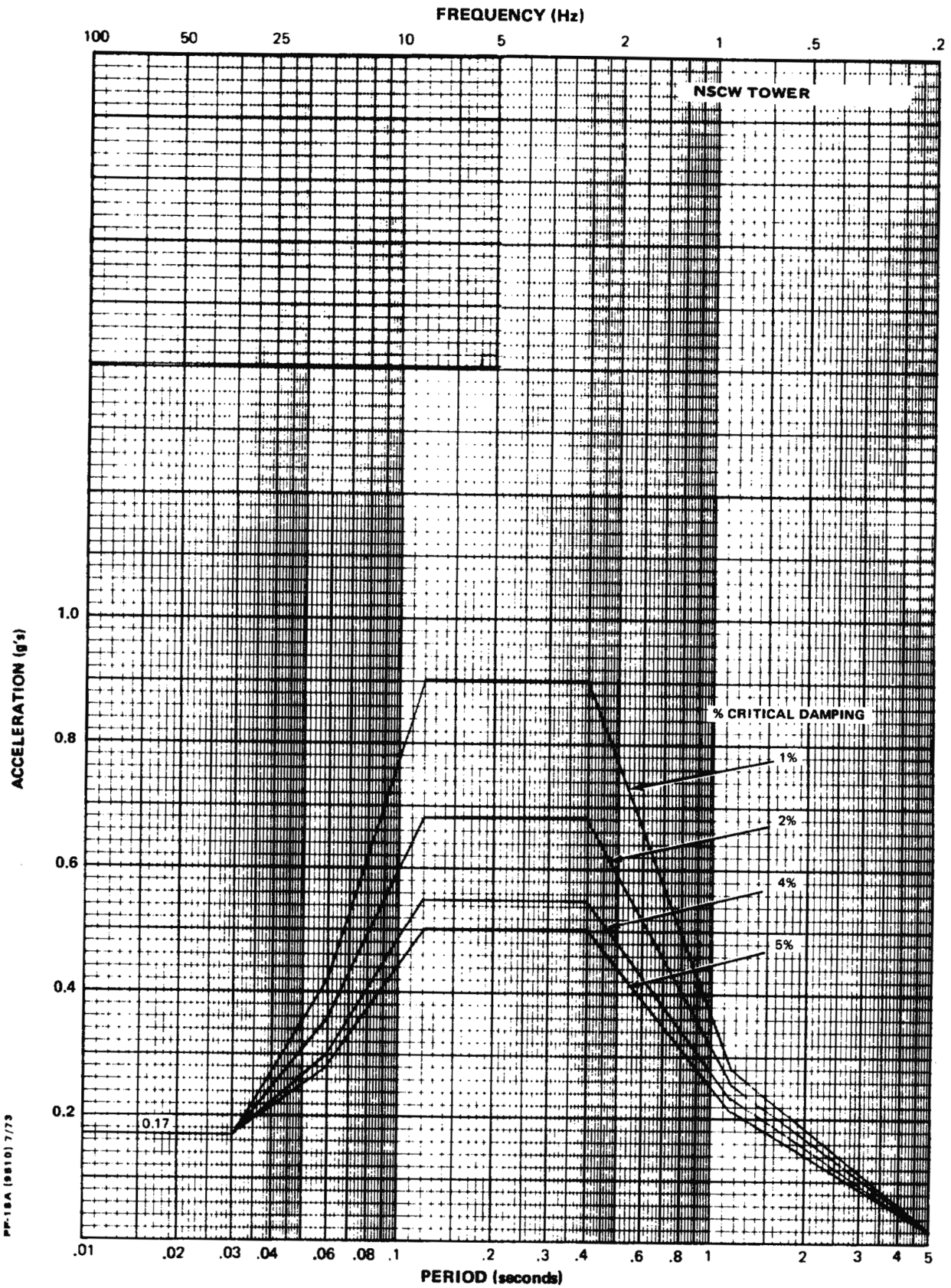


REV 14 10/07



VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

OPERATING BASIS EARTHQUAKE  
HORIZ. ACCEL. RESPONSE SPECTRA  
EL. 218 FT 6 IN.  
FIGURE 3D-69



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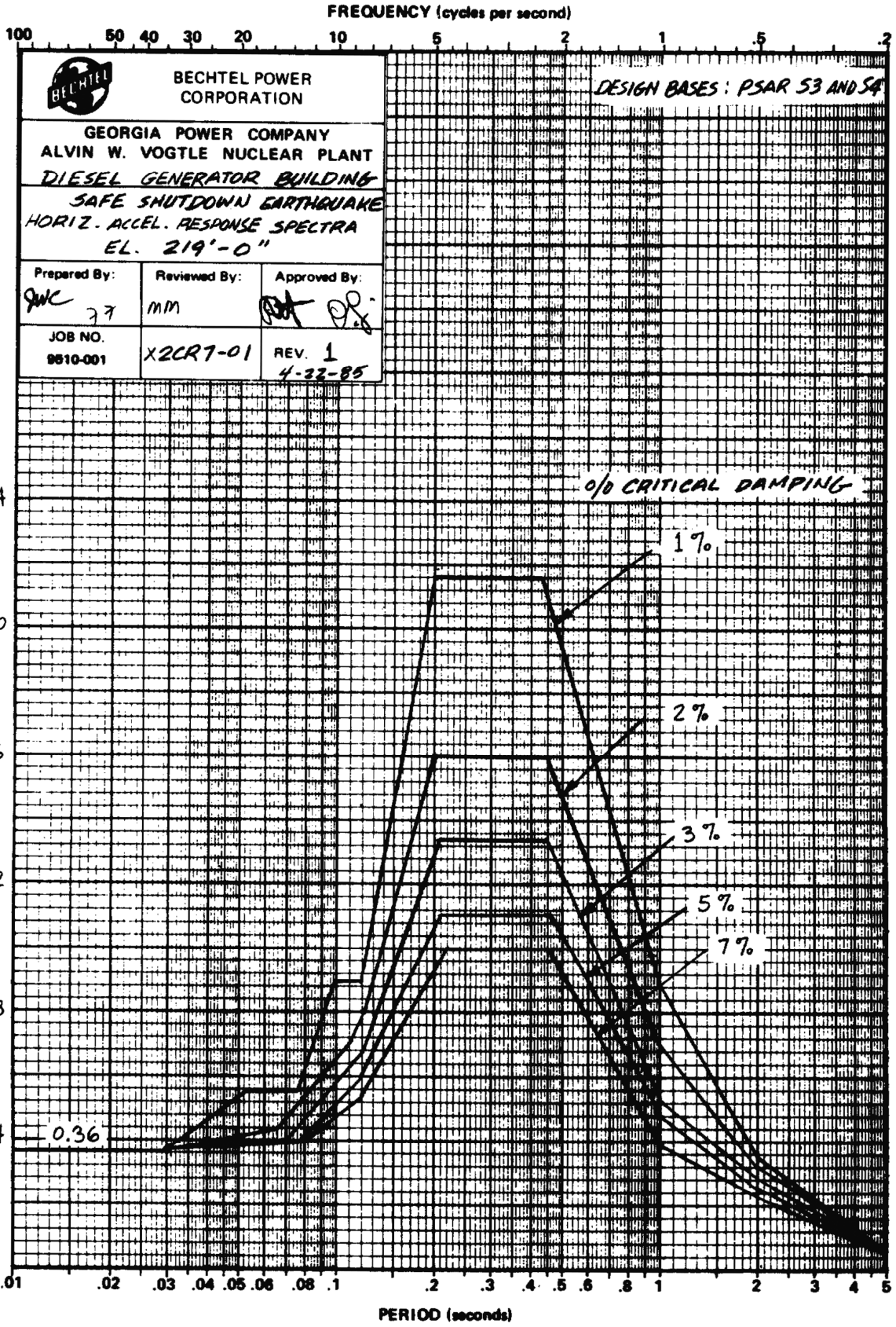


VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

OPERATING BASIS EARTHQUAKE  
VERTICAL ACCEL. RESPONSE SPECTRA

EL. 218 FT 6 IN.

FIGURE 3D-70



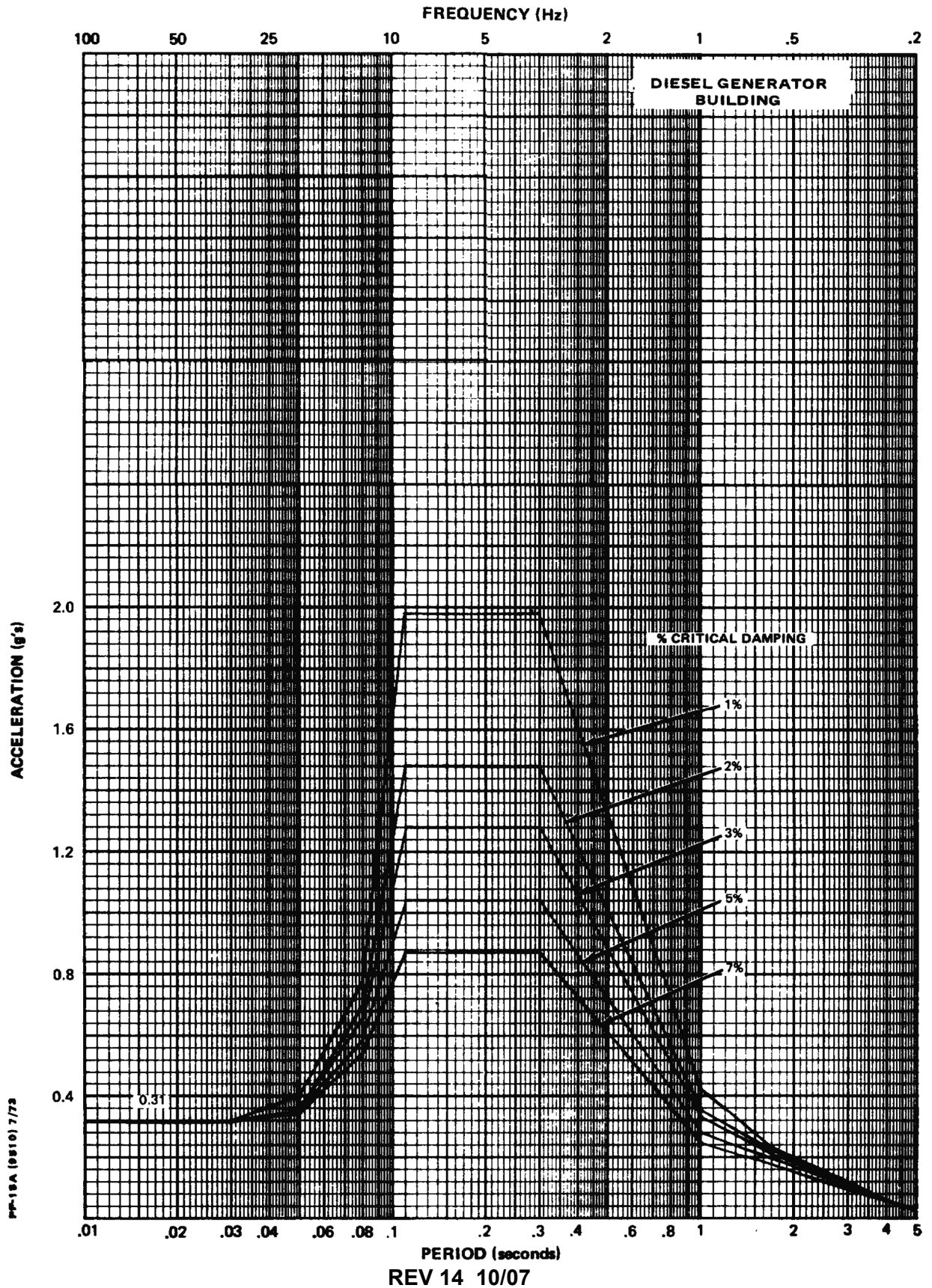
REV 14 10/07



VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

SAFE SHUTDOWN EARTHQUAKE  
HORIZ. ACCEL. RESPONSE SPECTRA  
EL. 219 FT 0 IN.

FIGURE 3D-71



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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

SAFE SHUTDOWN EARTHQUAKE  
VERTICAL ACCEL. RESPONSE SPECTRA

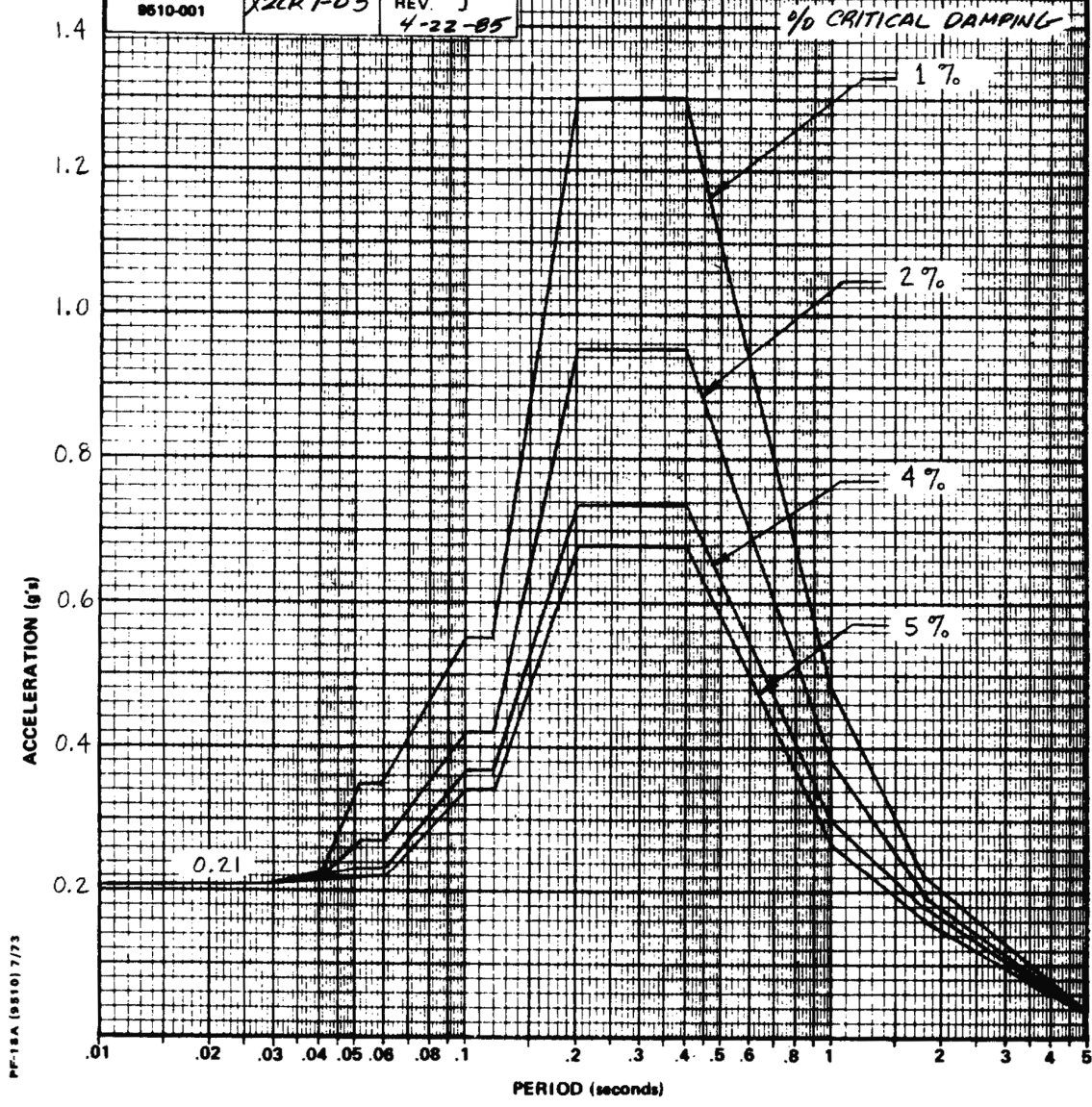
EL. 219 FT 0 IN.

FIGURE 3D-72

FREQUENCY (cycles per second)  
 100 50 40 30 20 10 5 2 1 .5 .2

 <b>BECHTEL POWER CORPORATION</b>		
GEORGIA POWER COMPANY ALVIN W. VOGTLE NUCLEAR PLANT <b>DIESEL GENERATOR BUILDING</b> OPERATING BASIS EARTHQUAKE HORIZ. ACCEL. RESPONSE SPECTRA EL. 219'-0"		
Prepared By: <i>JWC</i>	Reviewed By: <i>MM</i>	Approved By: <i>[Signature]</i>
JOB NO. 9510-001	X2CR7-03	REV. 1 4-22-85

DESIGN BASES: PSAR 53 AND 54



% CRITICAL DAMPING

PF-15A (9510) 7/73

REV 14 10/07

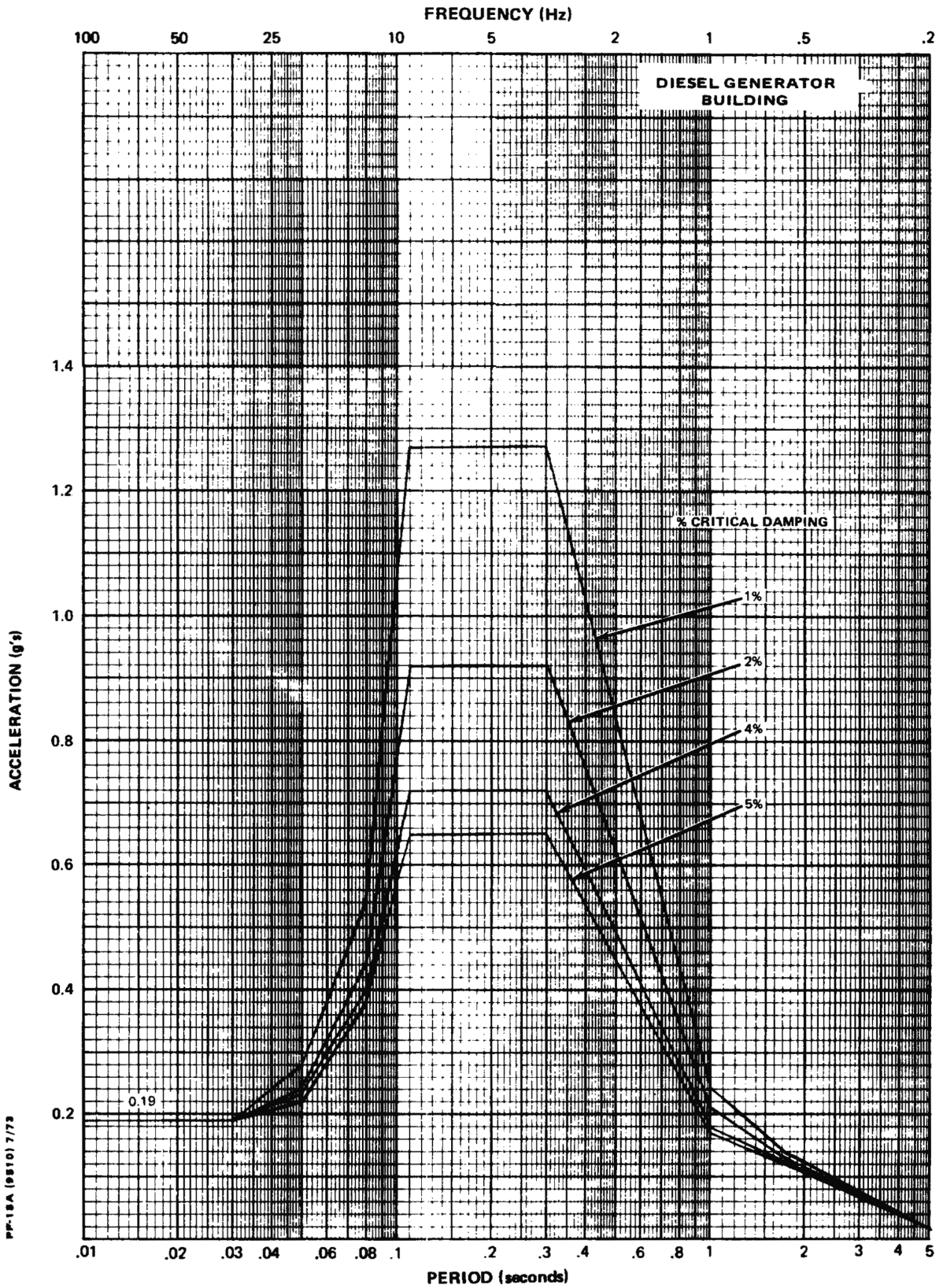


VOGTLE  
 ELECTRIC GENERATING PLANT  
 UNIT 1 AND UNIT 2

OPERATING BASIS EARTHQUAKE  
 HORIZ. ACCEL. RESPONSE SPECTRA  
 EL. 219 FT 0 IN.

FIGURE 3D-73





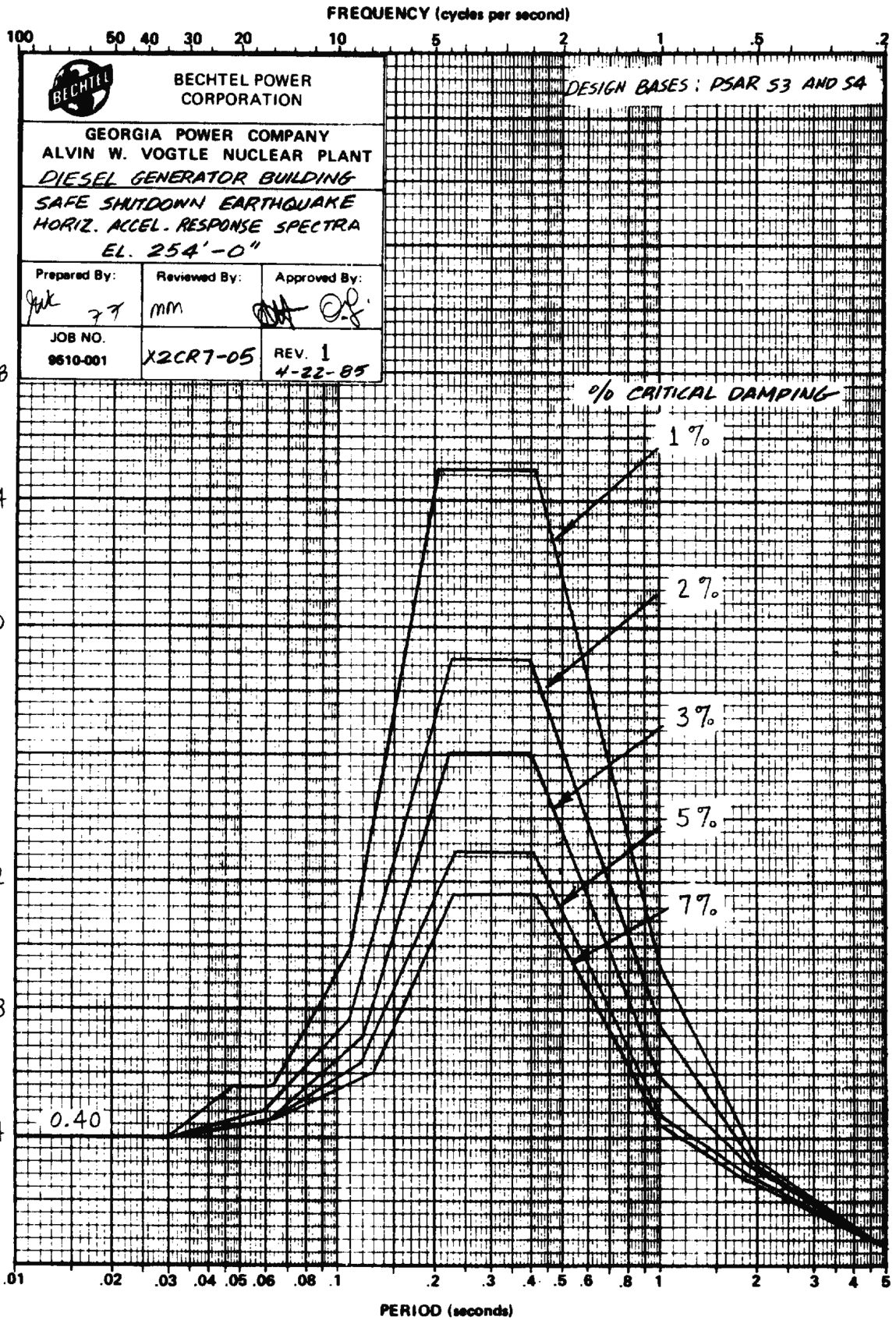
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

OPERATING BASIS EARTHQUAKE  
VERTICAL ACCEL. RESPONSE SPECTRA  
EL. 219 FT 0 IN.

FIGURE 3D-74



PF-15A (9510) 7/73

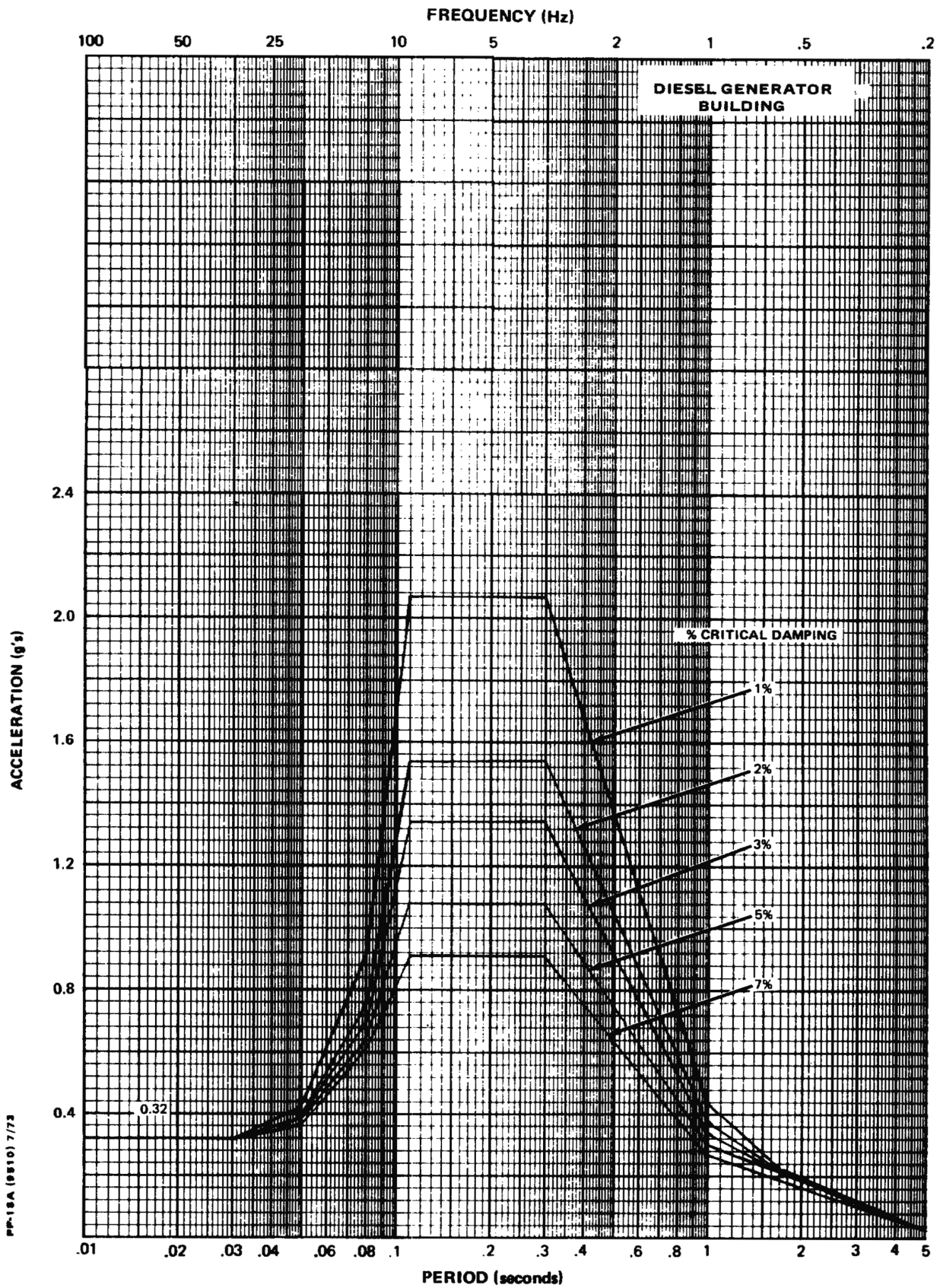
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

SAFE SHUTDOWN EARTHQUAKE  
HORIZ. ACCEL. RESPONSE SPECTRA  
EL. 254 FT 0 IN.

FIGURE 3D-75



REV 14 10/07



VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

SAFE SHUTDOWN EARTHQUAKE  
VERTICAL ACCEL. RESPONSE SPECTRA  
EL. 254 FT 0 IN. EL. 274 FT 0 IN.

FIGURE 3D-76

FREQUENCY (cycles per second)

100

50

40

30

20

10

5

2

1

.5

.2



BECHTEL POWER CORPORATION

DESIGN BASES: PSAR 53 AND 54

GEORGIA POWER COMPANY  
ALVIN W. VOGTLE NUCLEAR PLANT  
DIESEL GENERATOR BUILDING  
OPERATING BASIS EARTHQUAKE  
HORIZ. ACCEL. RESPONSE SPECTRA  
EL. 254'-0"

% CRITICAL DAMPING

1.6

Prepared By: JWC 77	Reviewed By: mm	Approved By: [Signature]
JOB NO. 9510-001	X2CR7-07	REV. 1 4-22-85

ACCELERATION (g's)

1.4

1.2

1.0

0.8

0.6

0.4

0.2

.01

.02

.03

.04

.05

.06

.08

1

2

3

4

5

PERIOD (seconds)

PF-18A (9510) 7/73

0.25

1%

2%

4%

5%

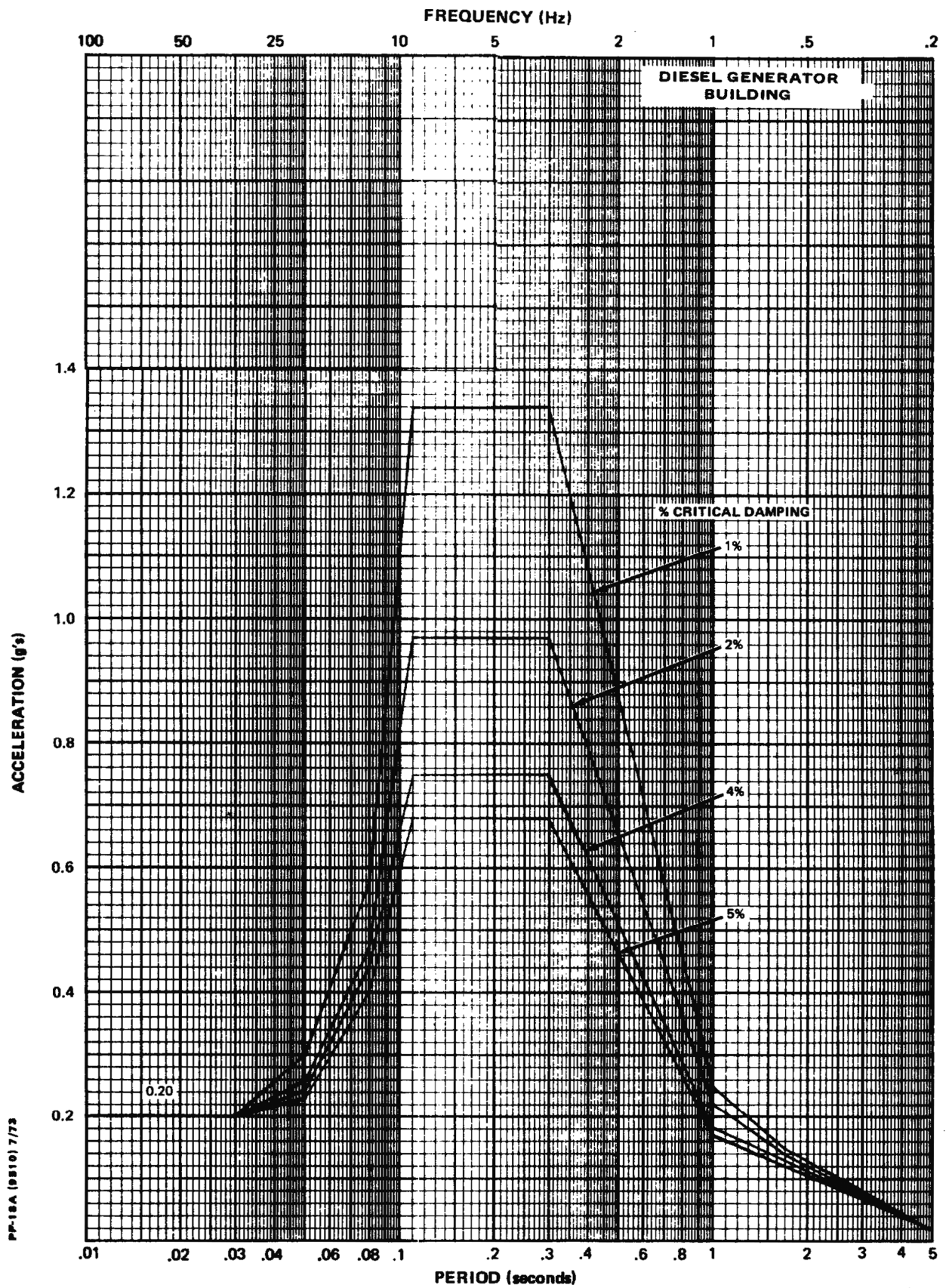
REV 14 10/07



VOGTLE ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

OPERATING BASIS EARTHQUAKE  
HORIZ. ACCEL. RESPONSE SPECTRA  
EL. 254 FT 0 IN.

FIGURE 3D-77



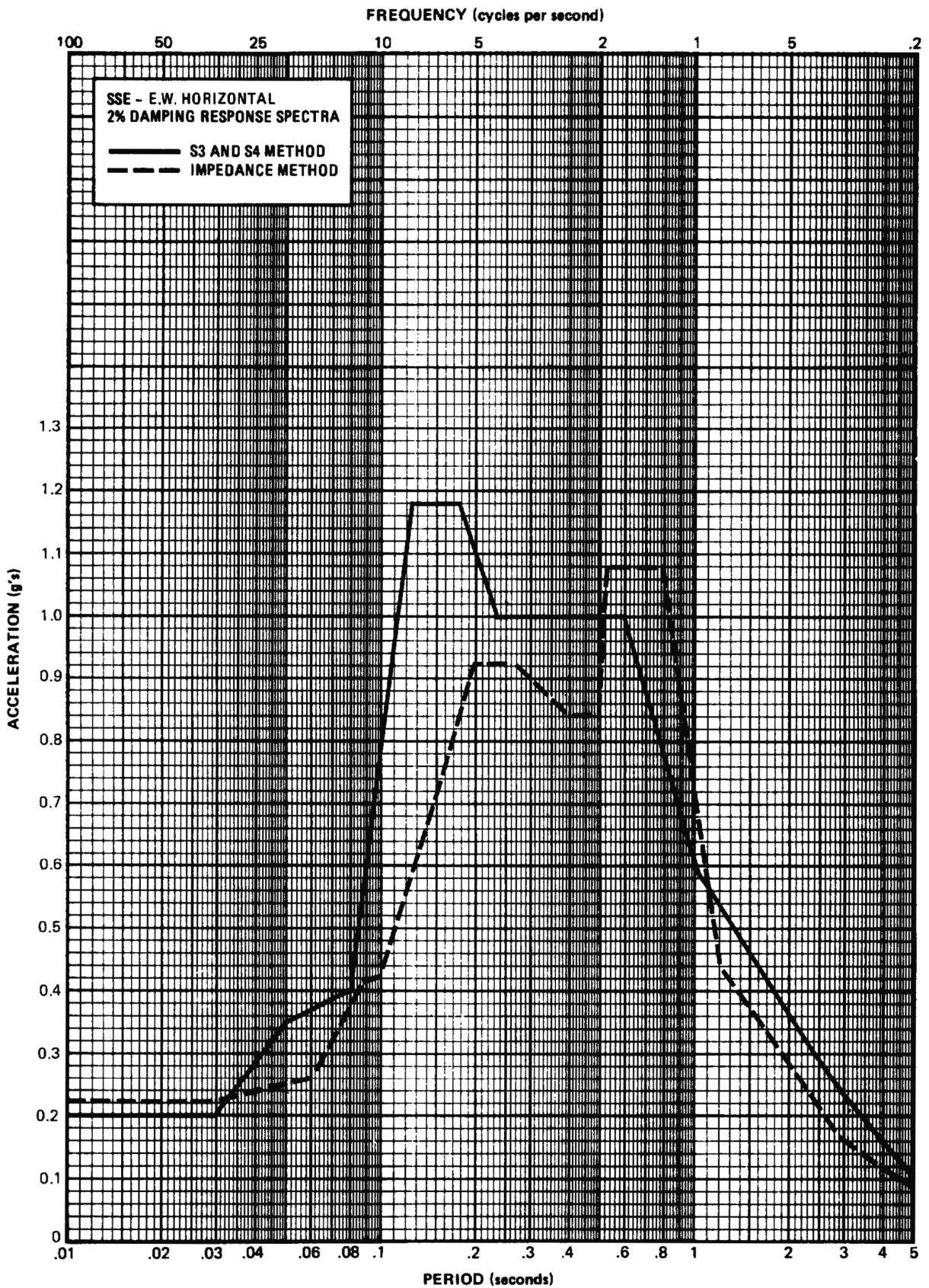
REV 14 10/07



VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

OPERATING BASIS EARTHQUAKE  
VERTICAL ACCEL. RESPONSE SPECTRA  
EL. 254 FT 0 IN. EL. 274 FT 0 IN.

FIGURE 3D-78



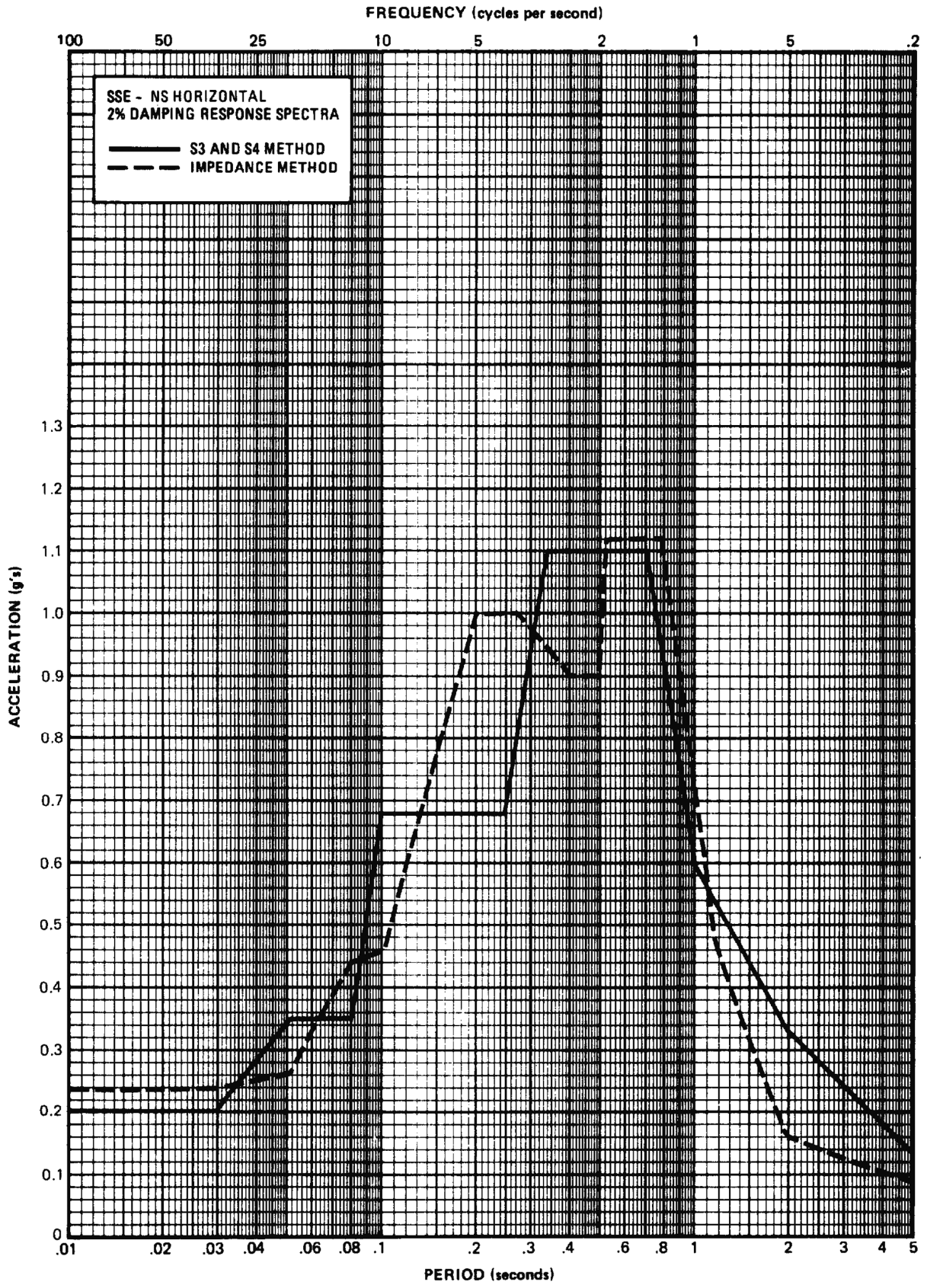
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING  
EL. 169 FT BASEMAT

FIGURE 3D-79



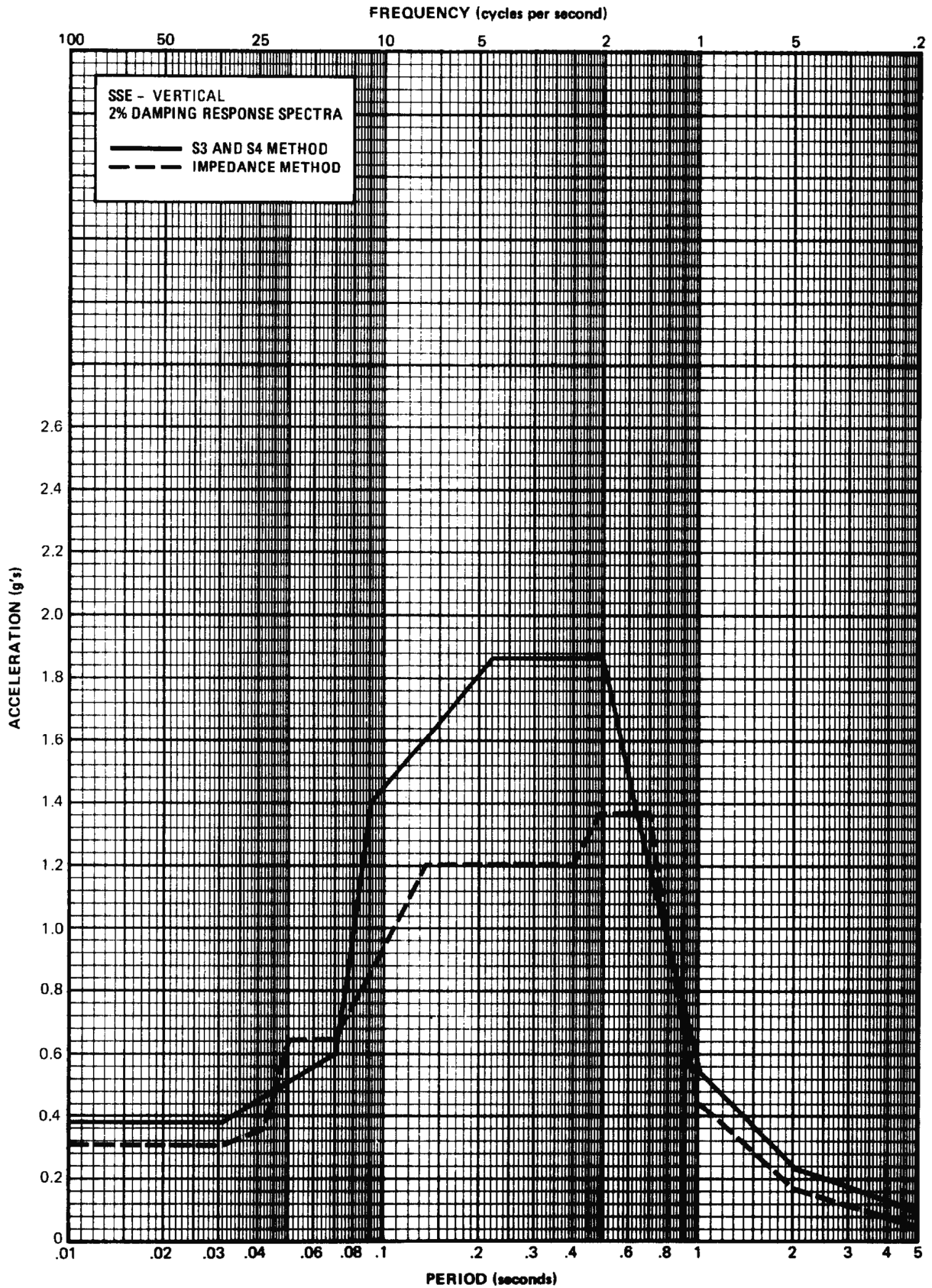
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING  
EL. 169 FT BASEMAT

FIGURE 3D-80



REV 14 10/07

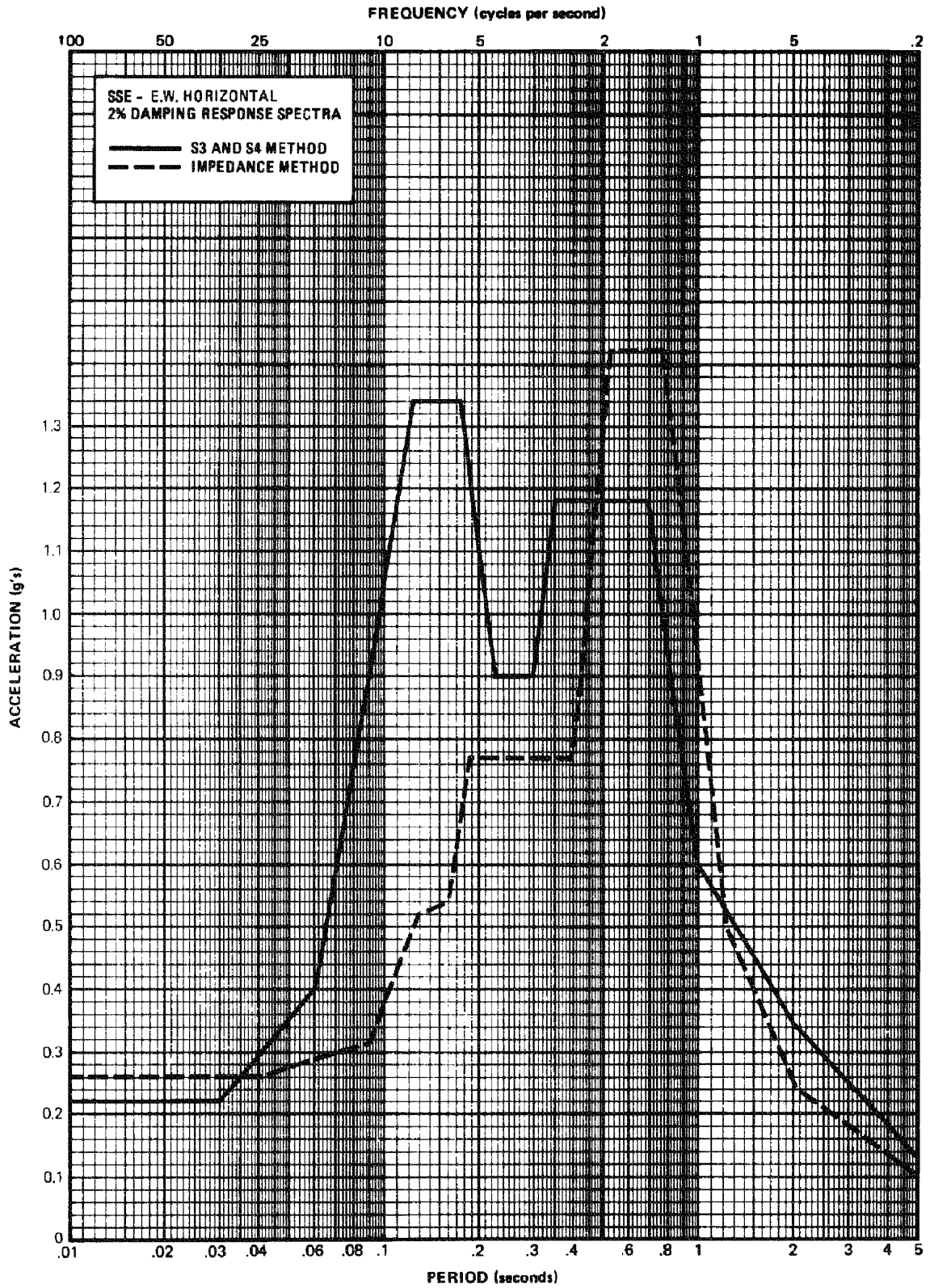


VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING  
EL. 169 FT BASEMAT

FIGURE 3D-81





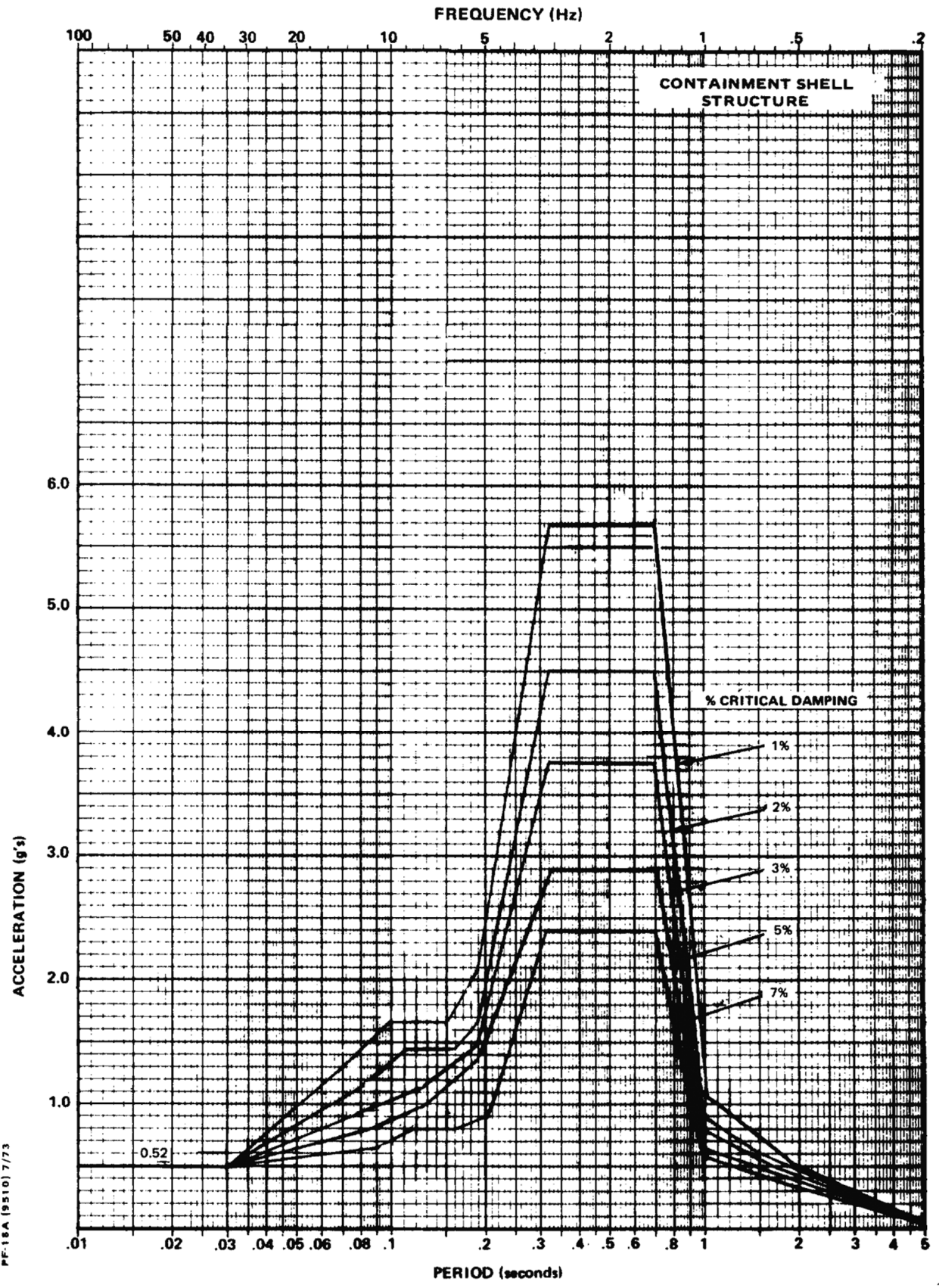
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING  
EL. 195 FT INTERNAL STR.

FIGURE 3D-82



PF-18A (9510) 7/73

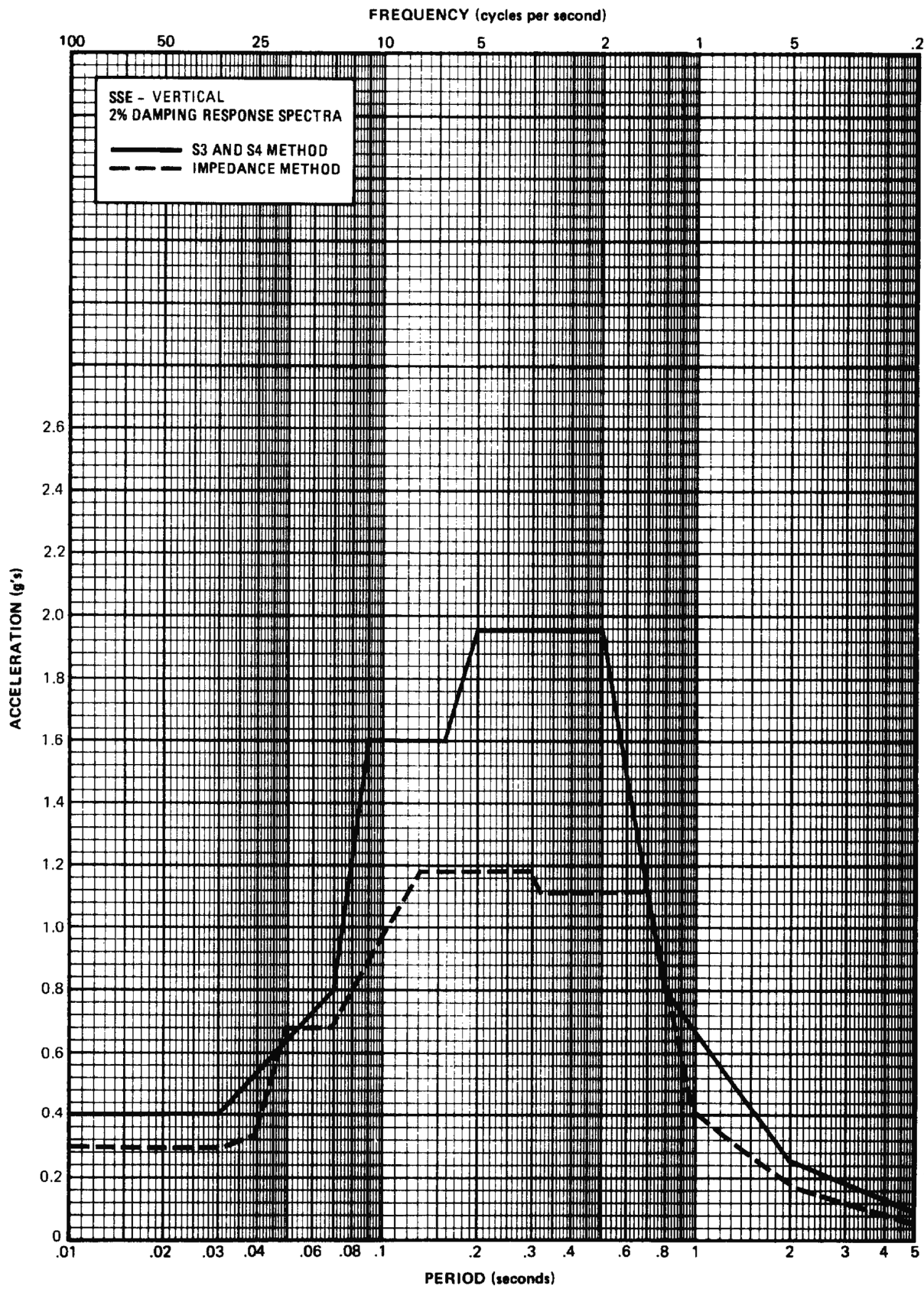
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING  
EL. 195 FT INTERNAL STR.

FIGURE 3D-83



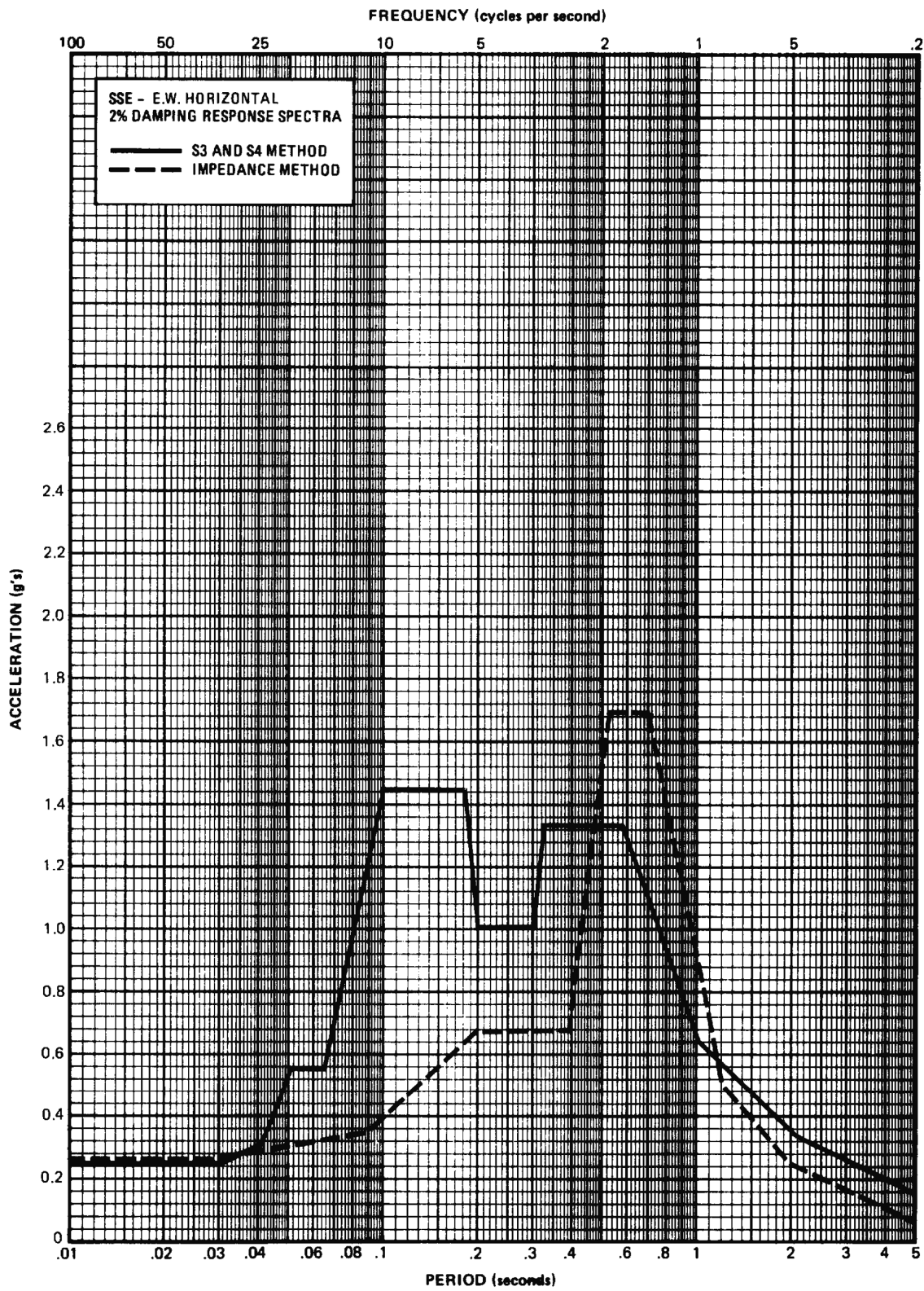
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING  
EL. 195 FT INTERNAL STR.

FIGURE 3D-84



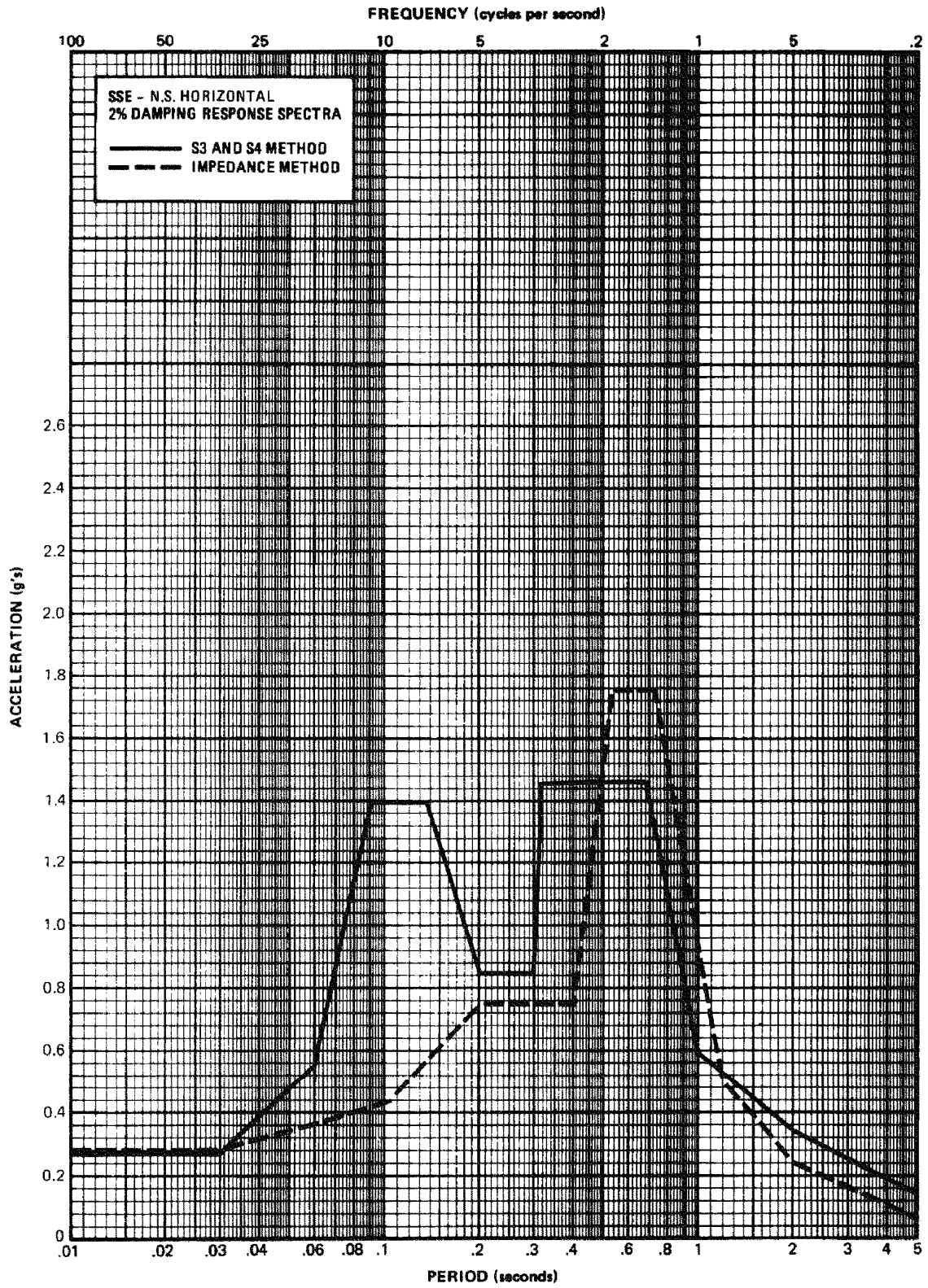
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING  
EL. 220 FT OPERATING LVL.

FIGURE 3D-85



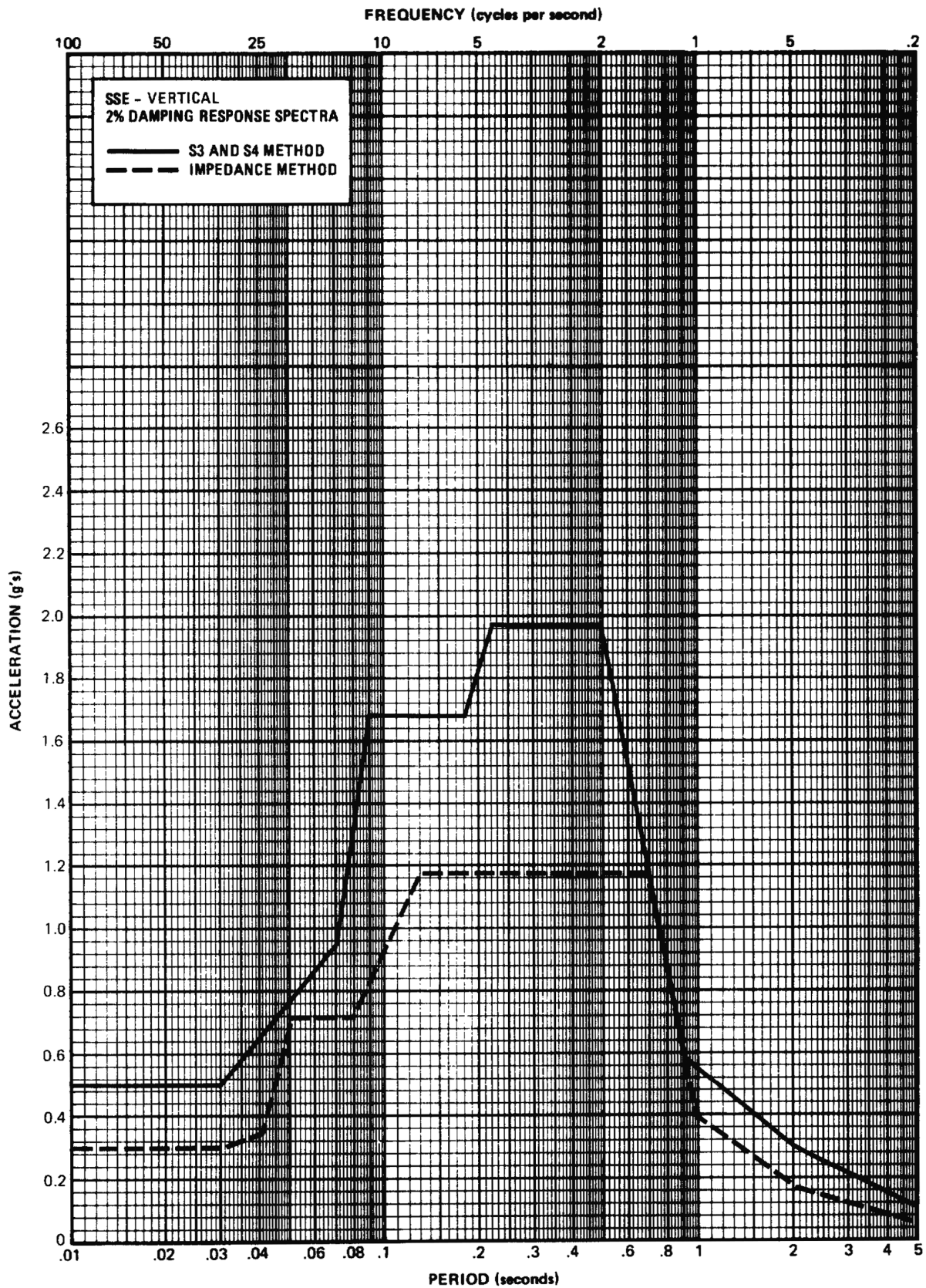
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING  
EL. 220 FT OPERATING LVL.

FIGURE 3D-86



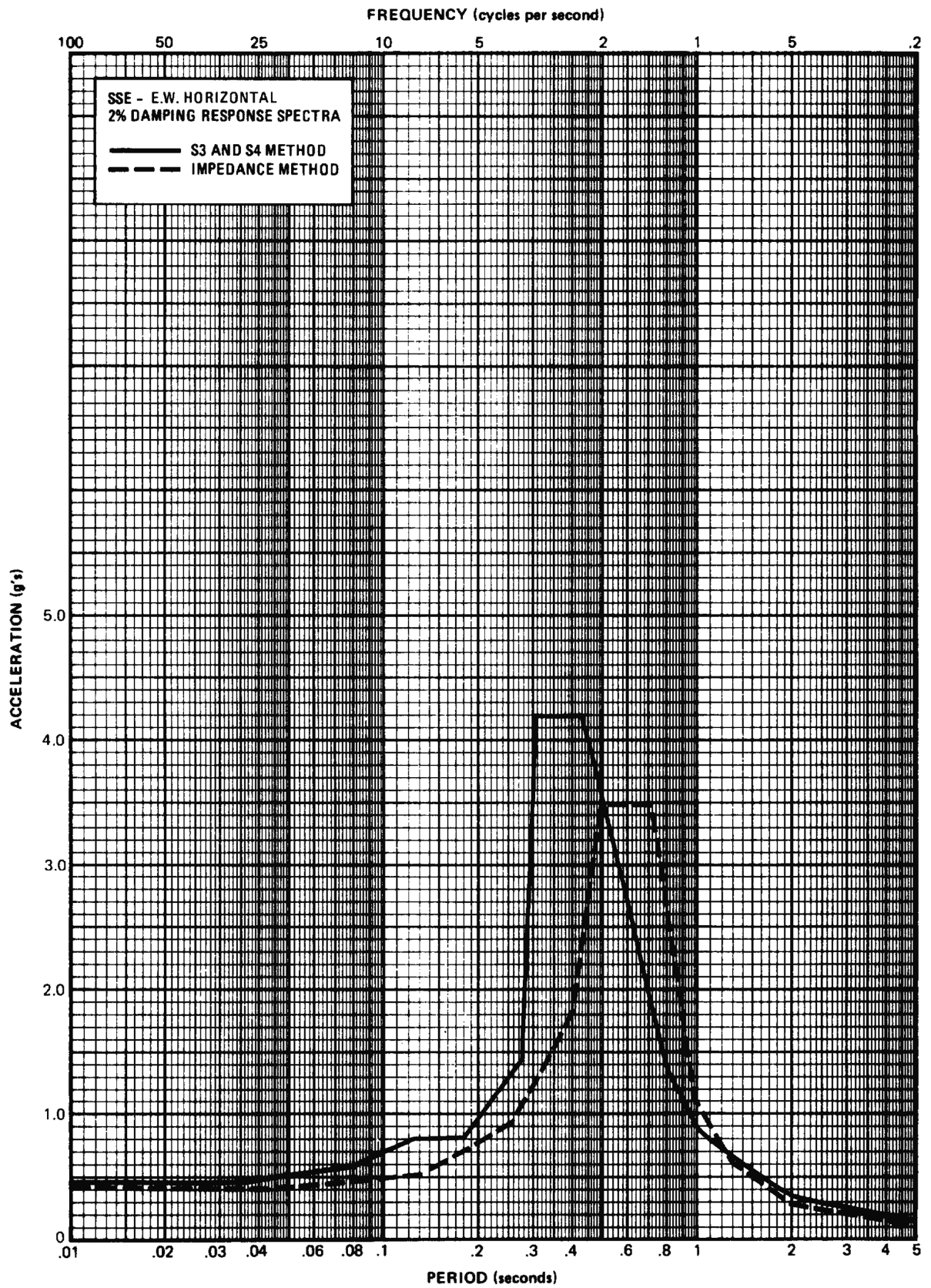
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING  
EL. 220 FT OPERATING LVL.

FIGURE 3D-87



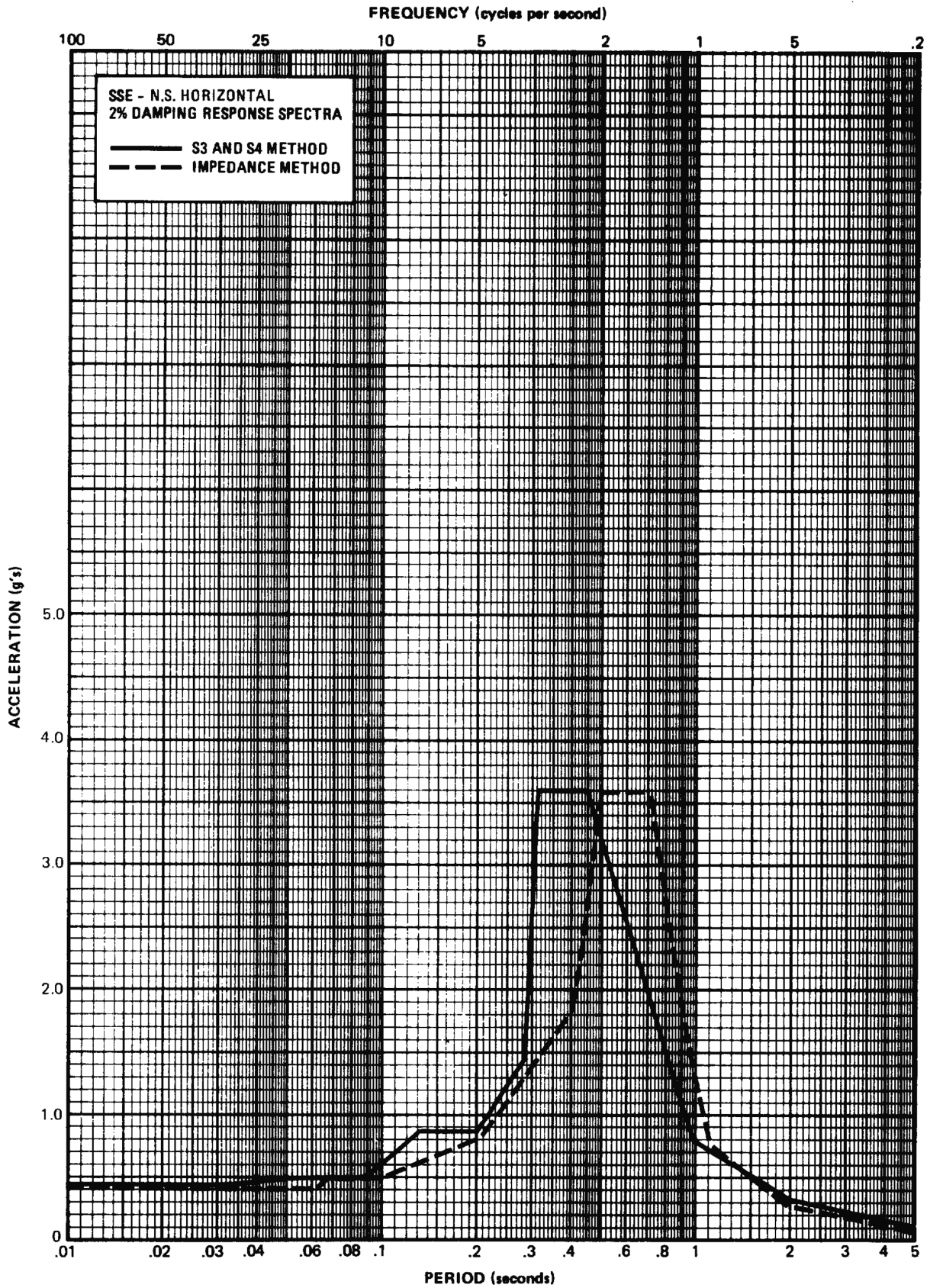
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING  
EL. 323 FT POLAR CRANE

FIGURE 3D-88



REV 14 10/07

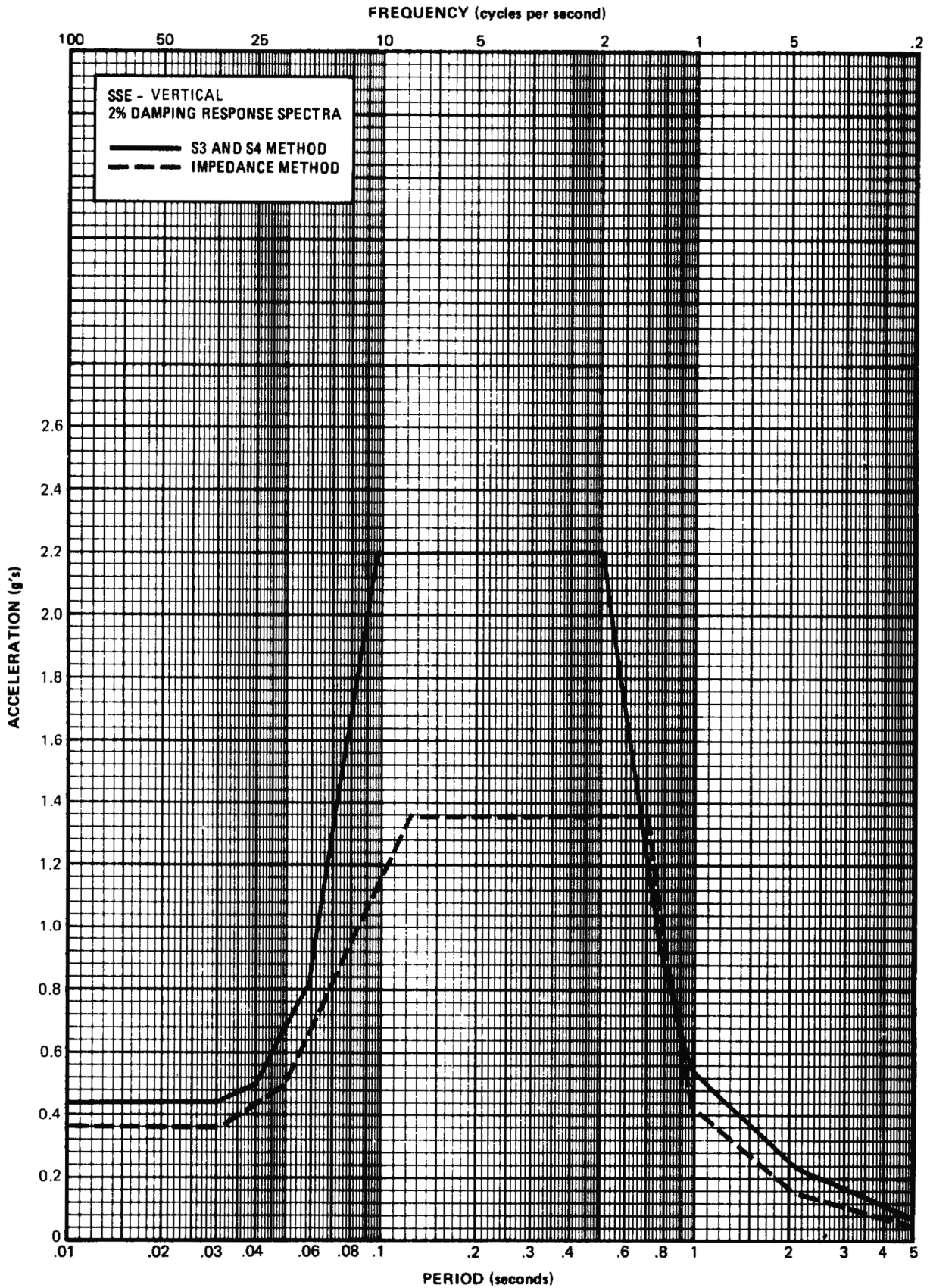


VOGTLE  
 ELECTRIC GENERATING PLANT  
 UNIT 1 AND UNIT 2

CONTAINMENT BUILDING  
 EL. 323 FT POLAR CRANE

FIGURE 3D-89





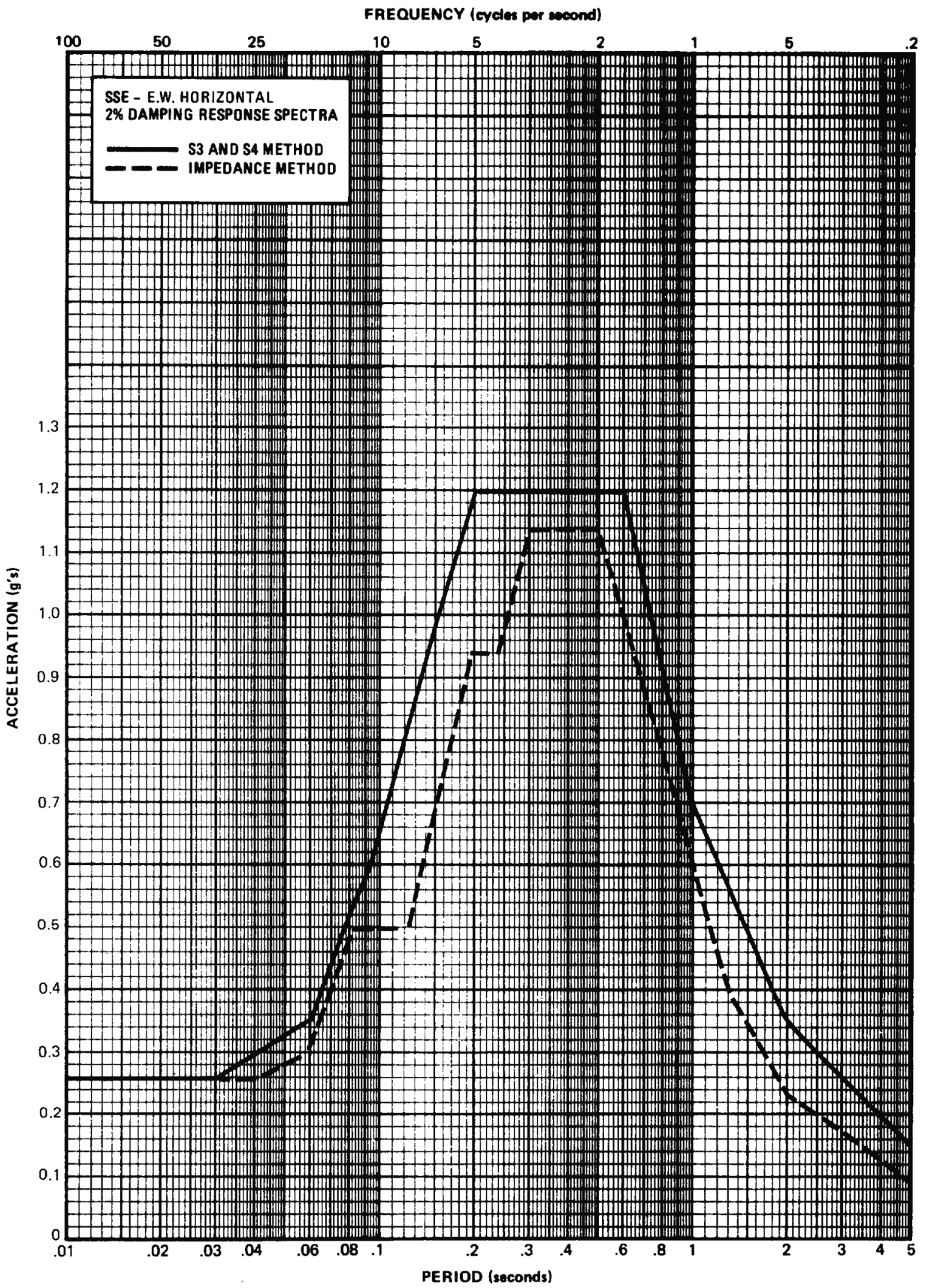
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTAINMENT BUILDING  
EL. 323 FT POLAR CRANE

FIGURE 3D-90



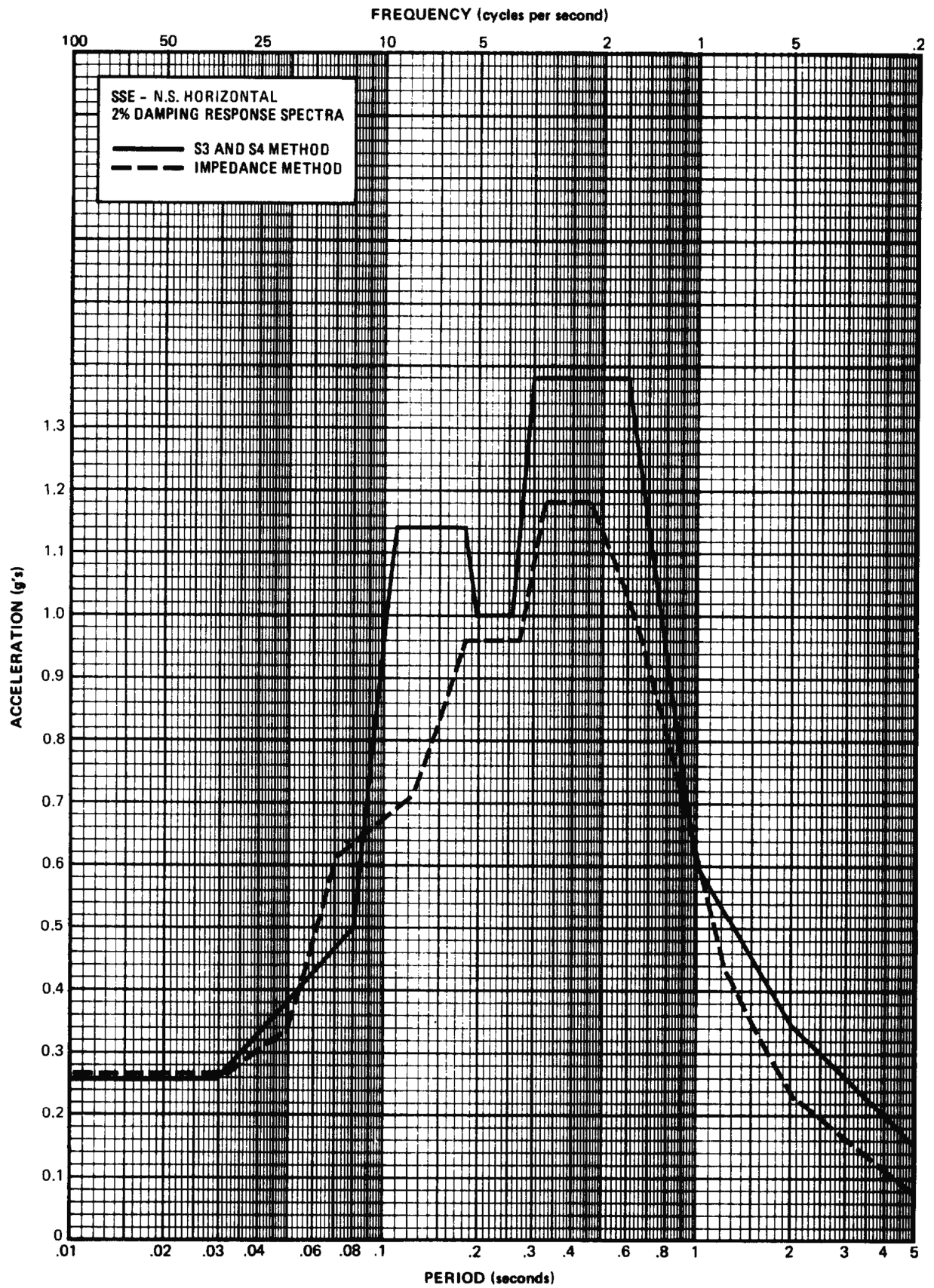
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VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTROL BUILDING  
EL. 180 FT BASEMAT

FIGURE 3D-91



REV 14 10/07



VOGTLE  
ELECTRIC GENERATING PLANT  
UNIT 1 AND UNIT 2

CONTROL BUILDING  
EL. 180 FT BASEMAT

FIGURE 3D-92