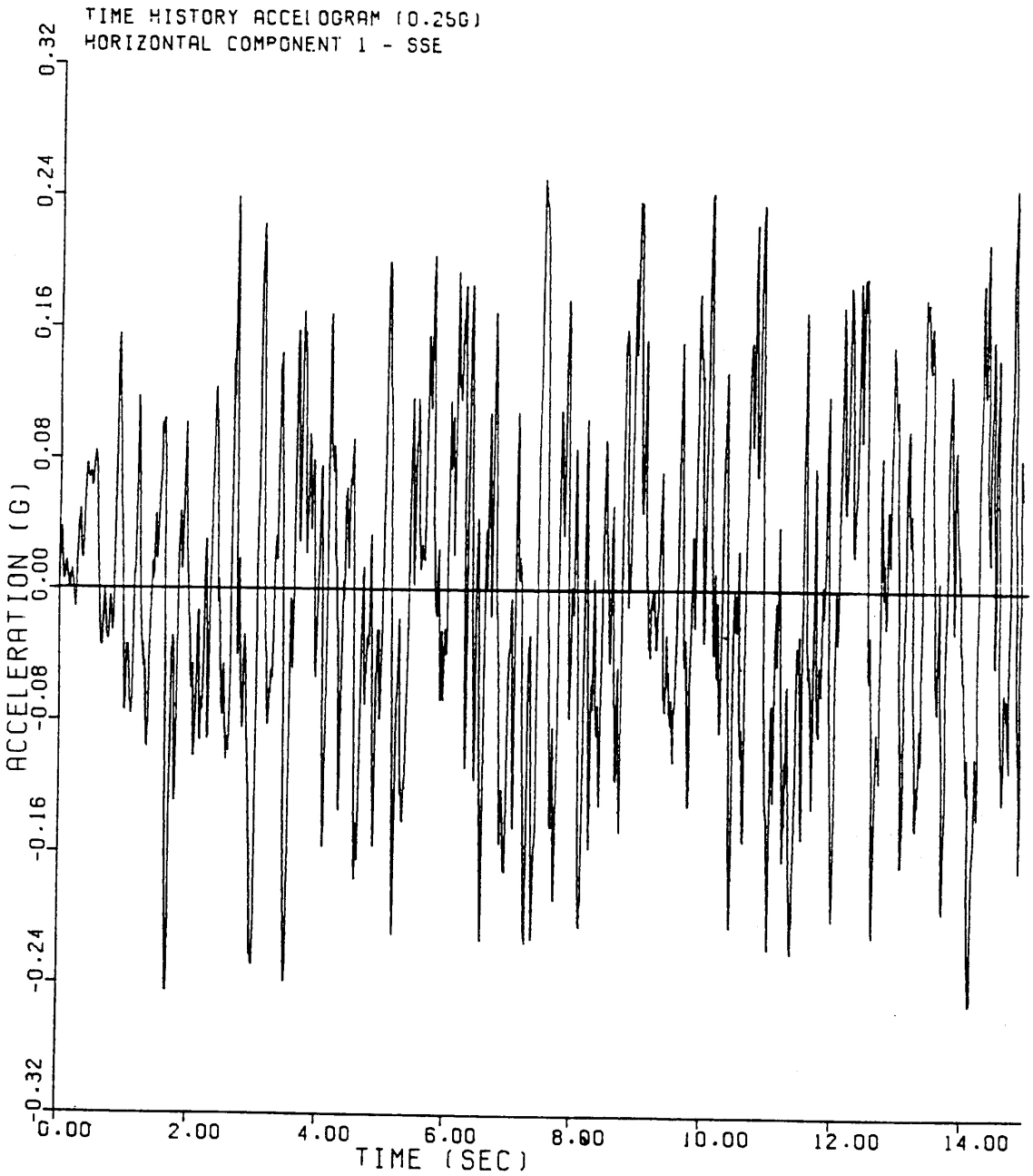
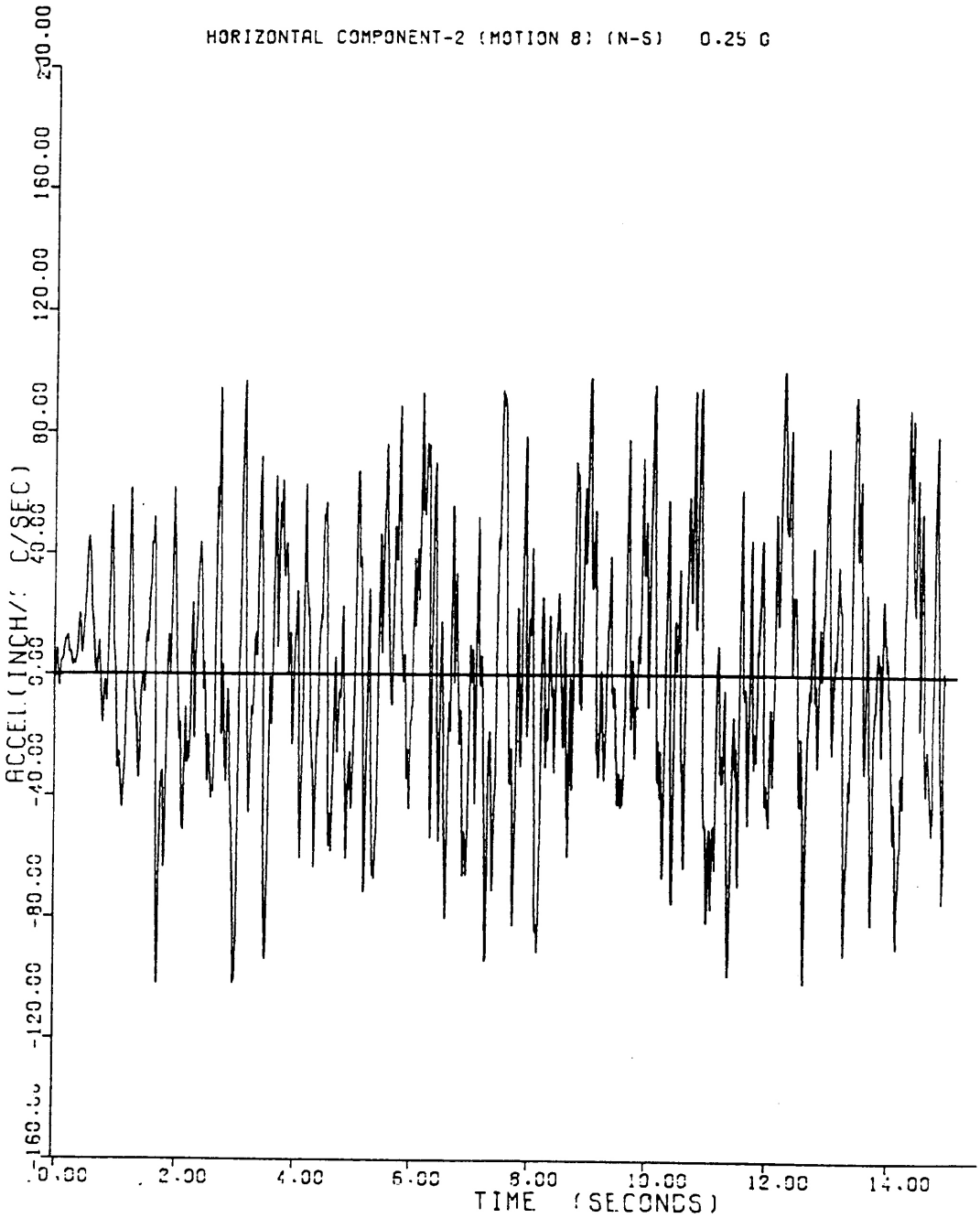
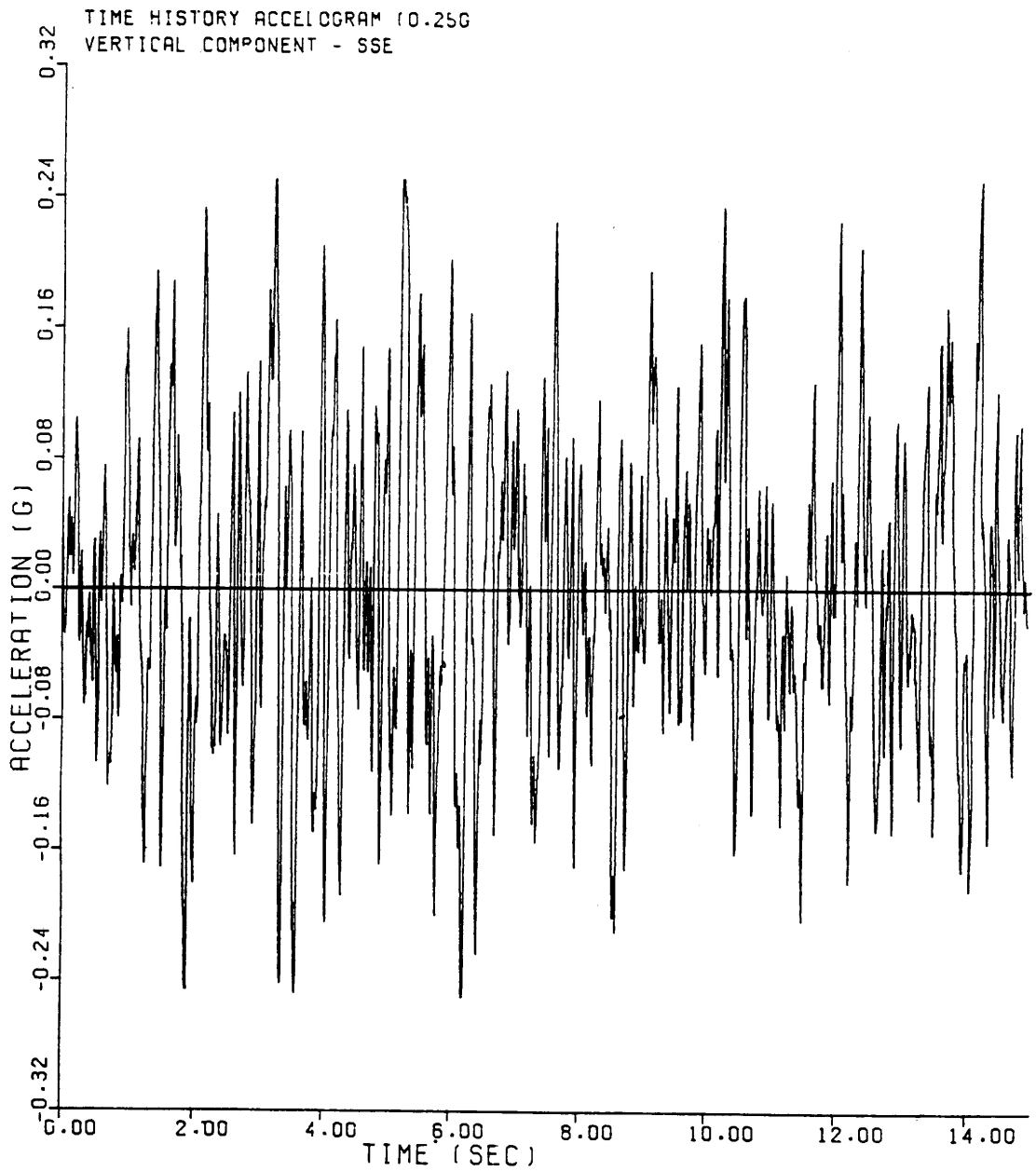


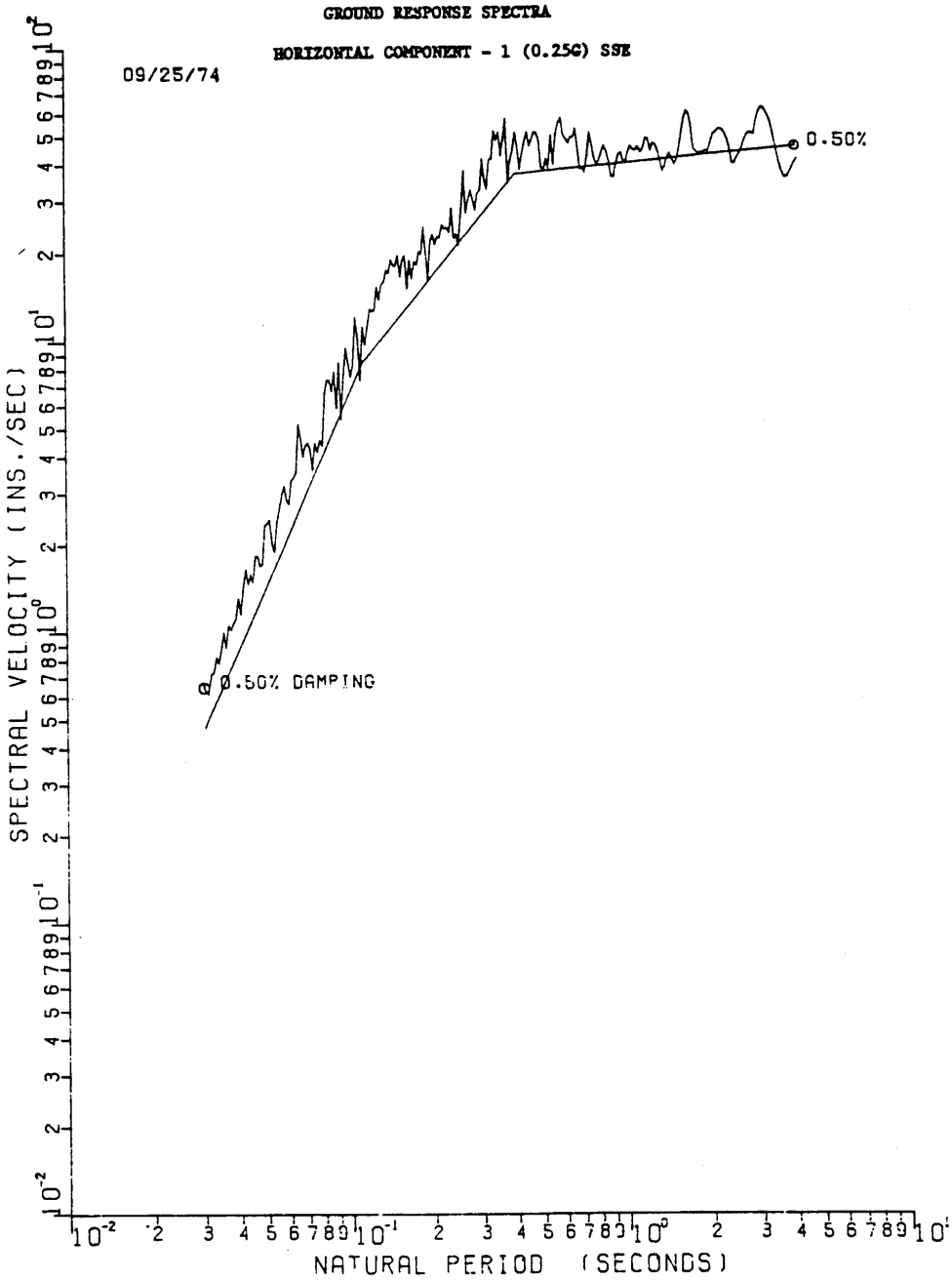
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Time History Accelogram (0.25g), Horizontal Component 1 - SSE	
		Figure 3.7(B)-1



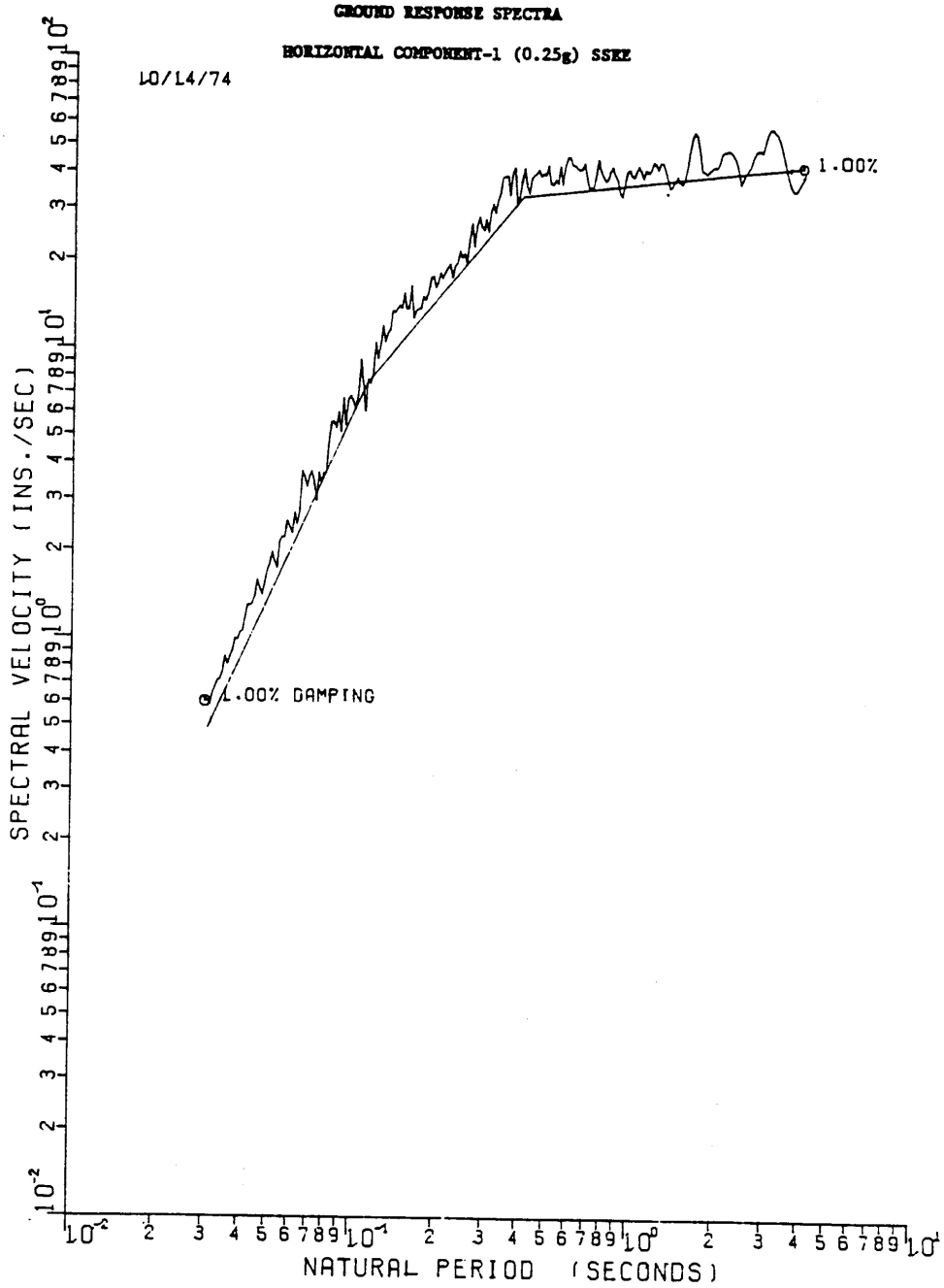
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Time History Accelogram (0.25g), Horizontal Component 2 - SSE	
		Figure 3.7(B)-2



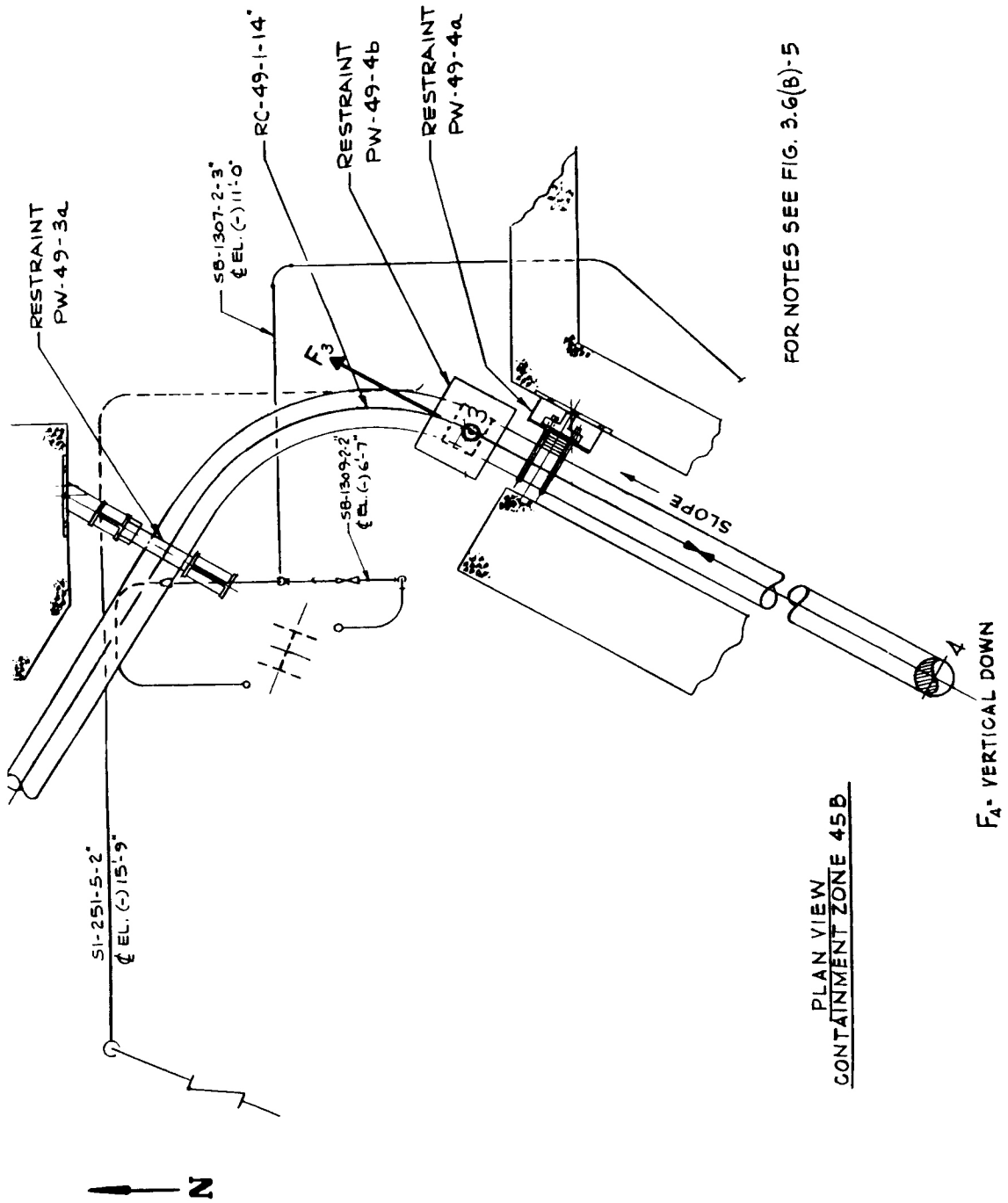
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Time History Accelogram (0.25g), Vertical Component - SSE	
		Figure 3.7(B)-3



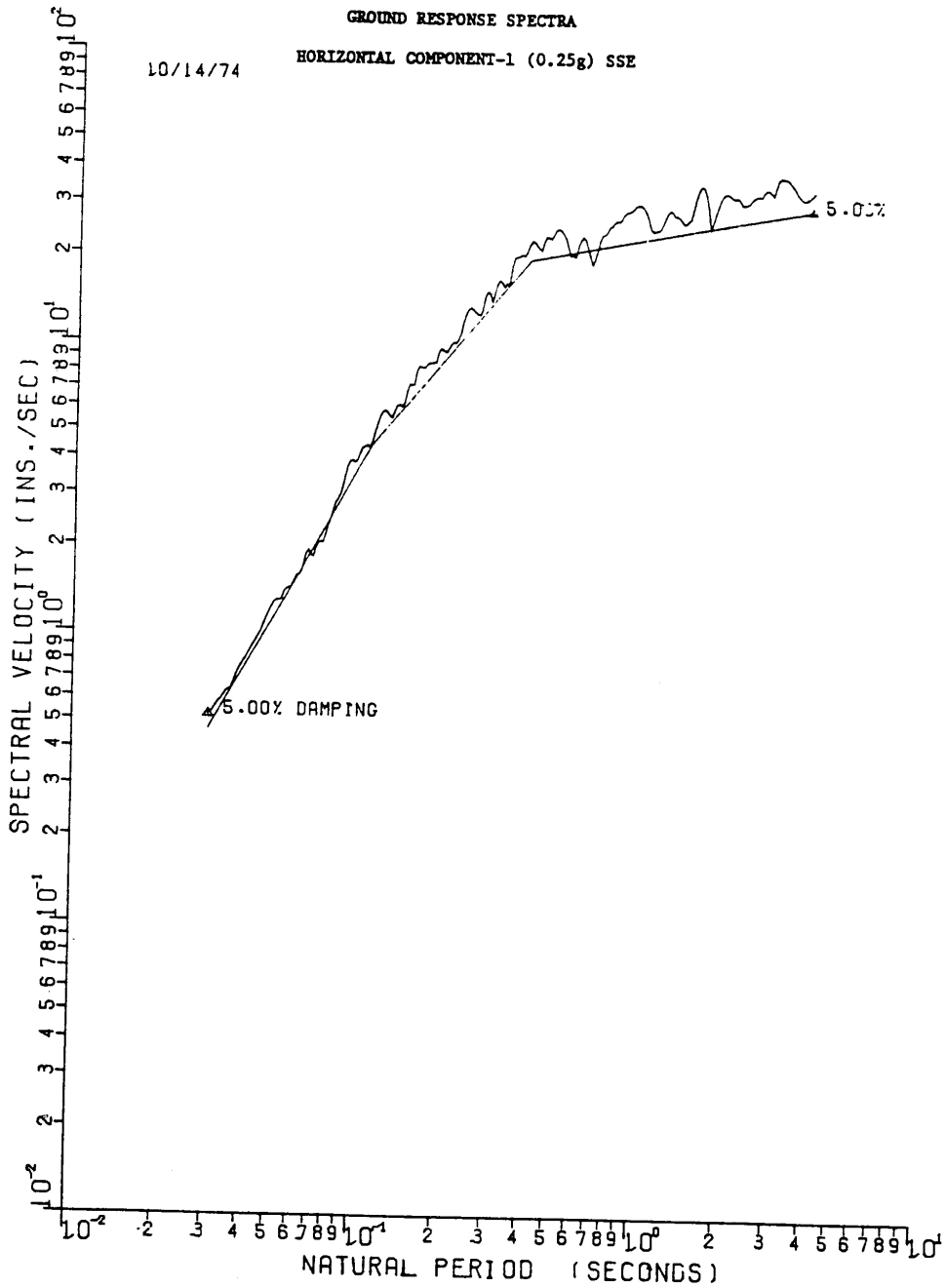
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	0.50% Critical Damping Ground Response Spectrum, Horizontal Component 1 - SSE	
		Figure 3.7(B)-4



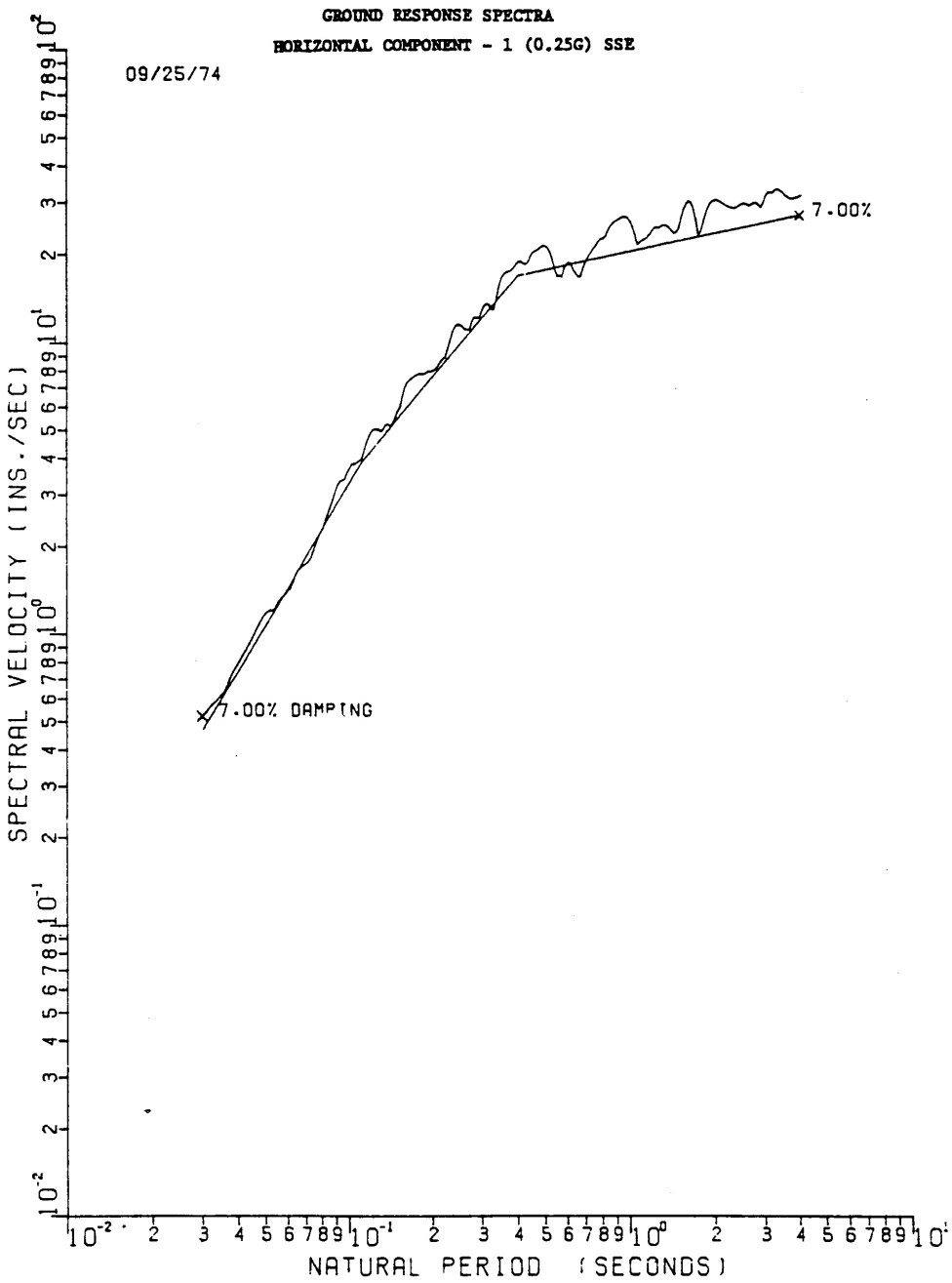
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	1% Critical Damping Ground Response Spectrum, Horizontal Component 1 - SSE	
		Figure 3.7(B)-5



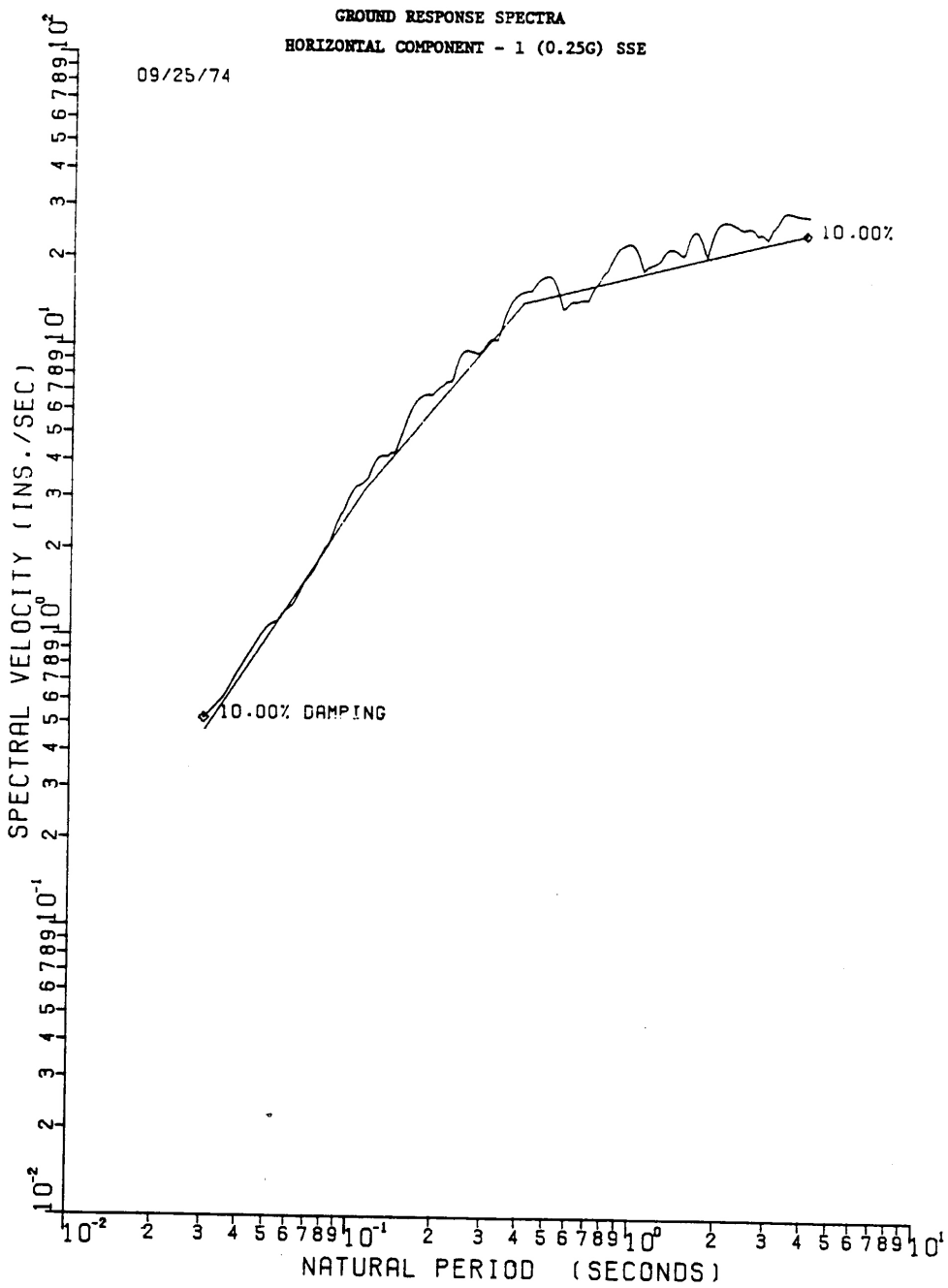
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Pressurizer Surge Line Pipe Whip Restraint Protecting Steam Generator Blowdown and Safety Injection Lines - Containment Zone 45B	
		Figure 3.6(B)-6



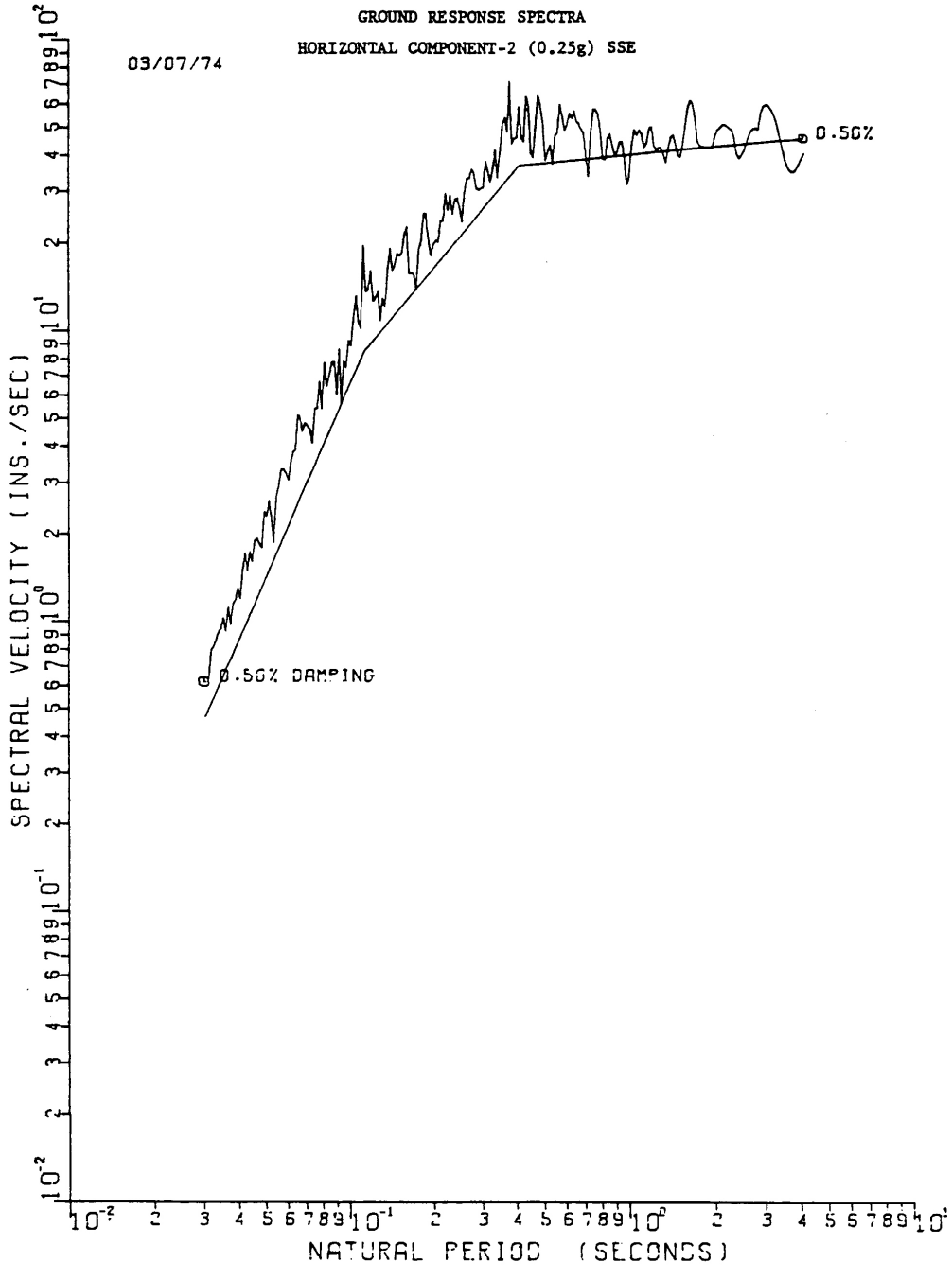
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	5% Critical Damping Ground Response Spectrum, Horizontal Component 1 - SSE	
		Figure 3.7(B)-7



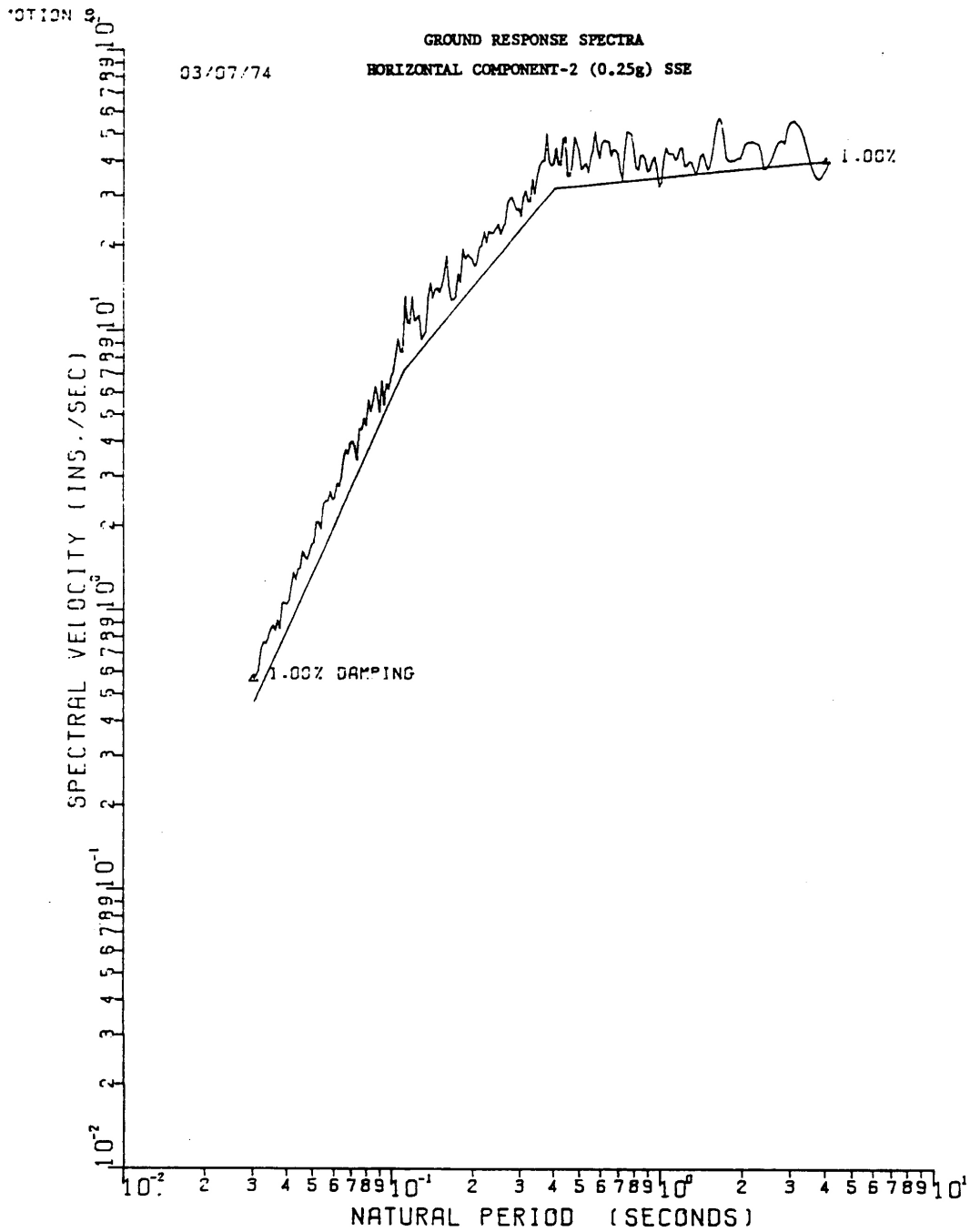
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	7% Critical Damping Ground Response Spectrum, Horizontal Component 1 - SSE	
		Figure 3.7(B)-8



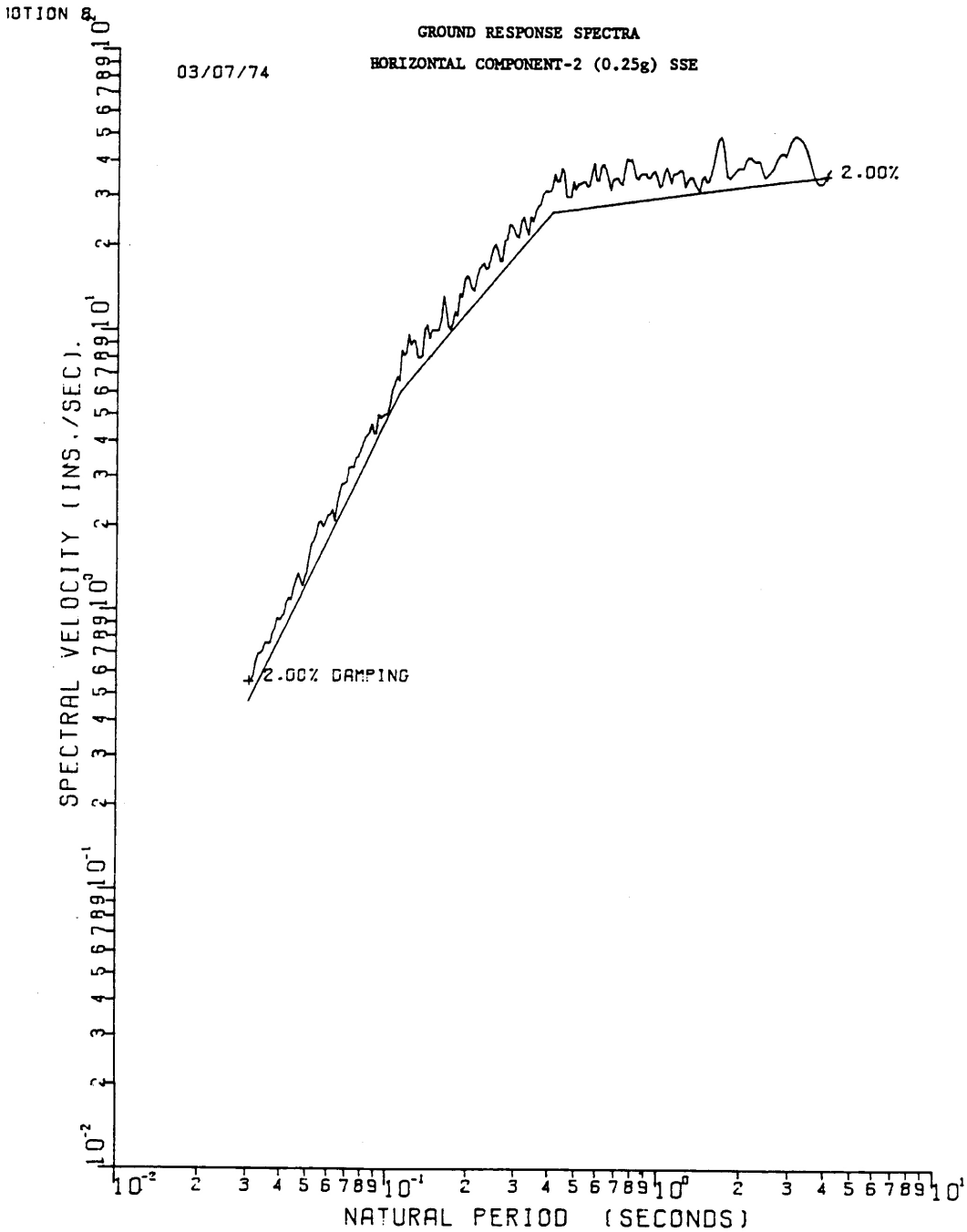
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	10% Critical Damping Ground Response Spectrum, Horizontal Component 1 - SSE	
		Figure 3.7(B)-9



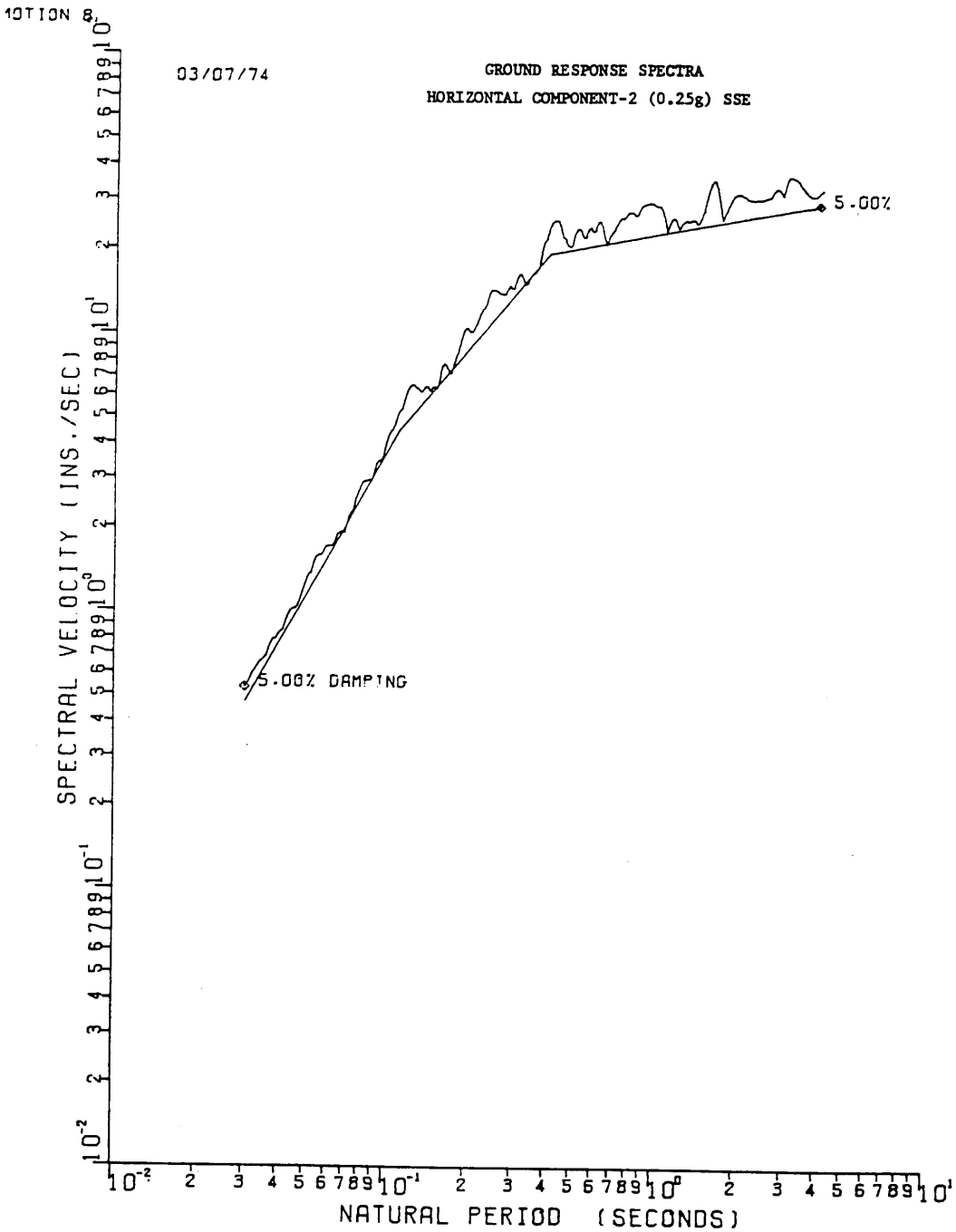
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	0.5% Critical Damping Ground Response Spectrum, Horizontal Component 2 - SSE	
		Figure 3.7(B)-10



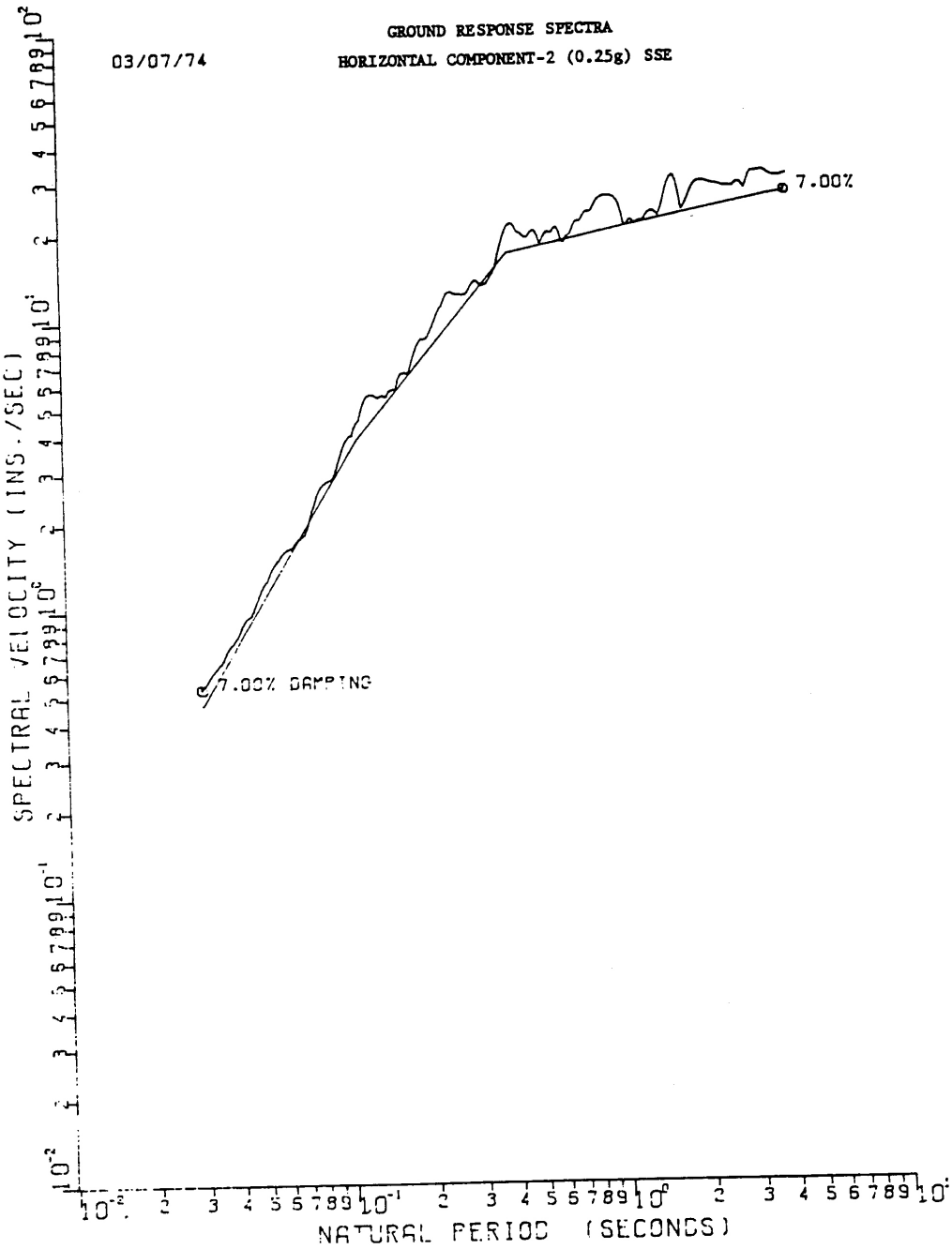
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	1% Critical Damping Ground Response Spectrum, Horizontal Component 2 - SSE	
		Figure 3.7(B)-11



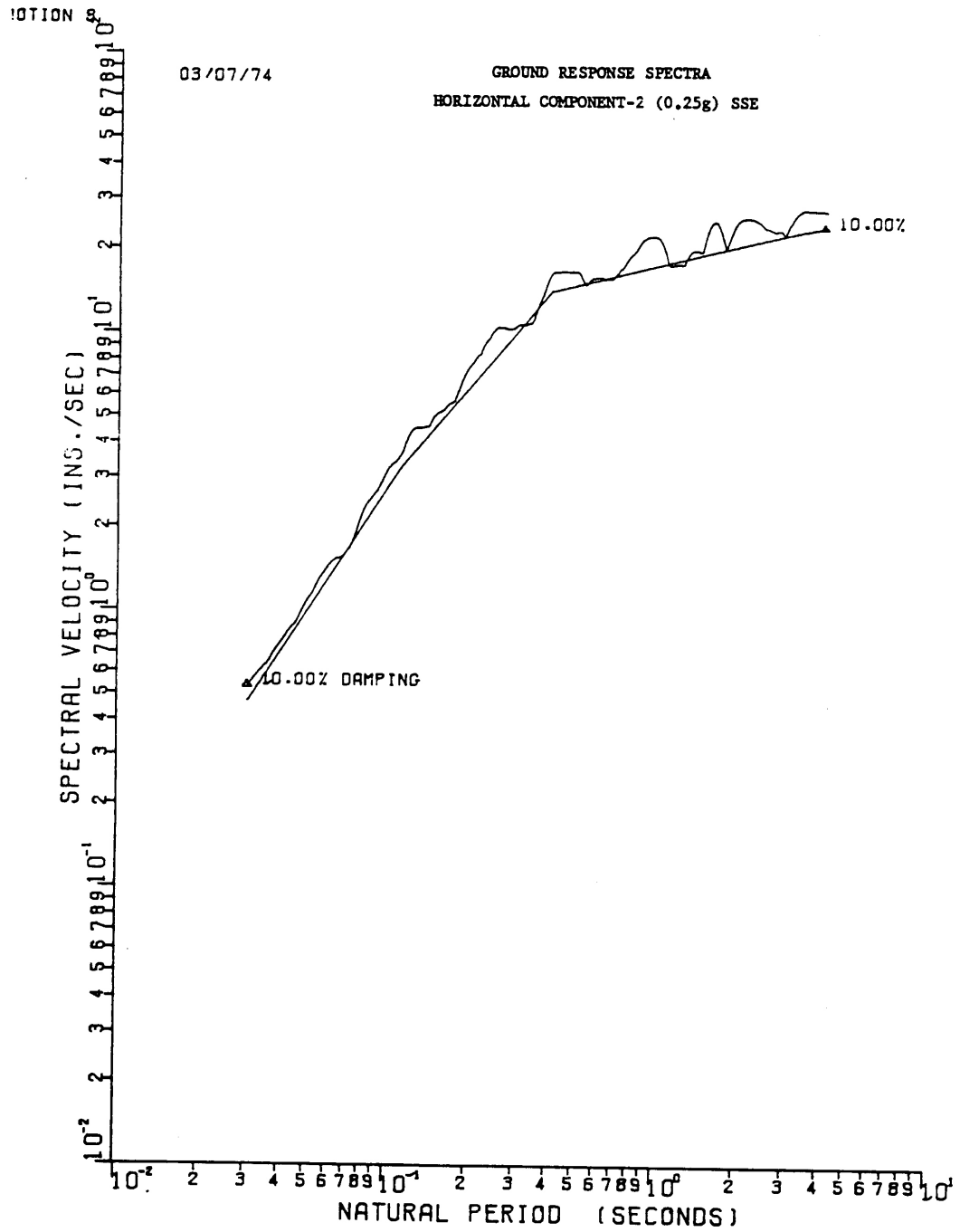
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	2% Critical Damping Ground Response Spectrum, Horizontal Component 2 - SSE	
		Figure 3.7(B)-12



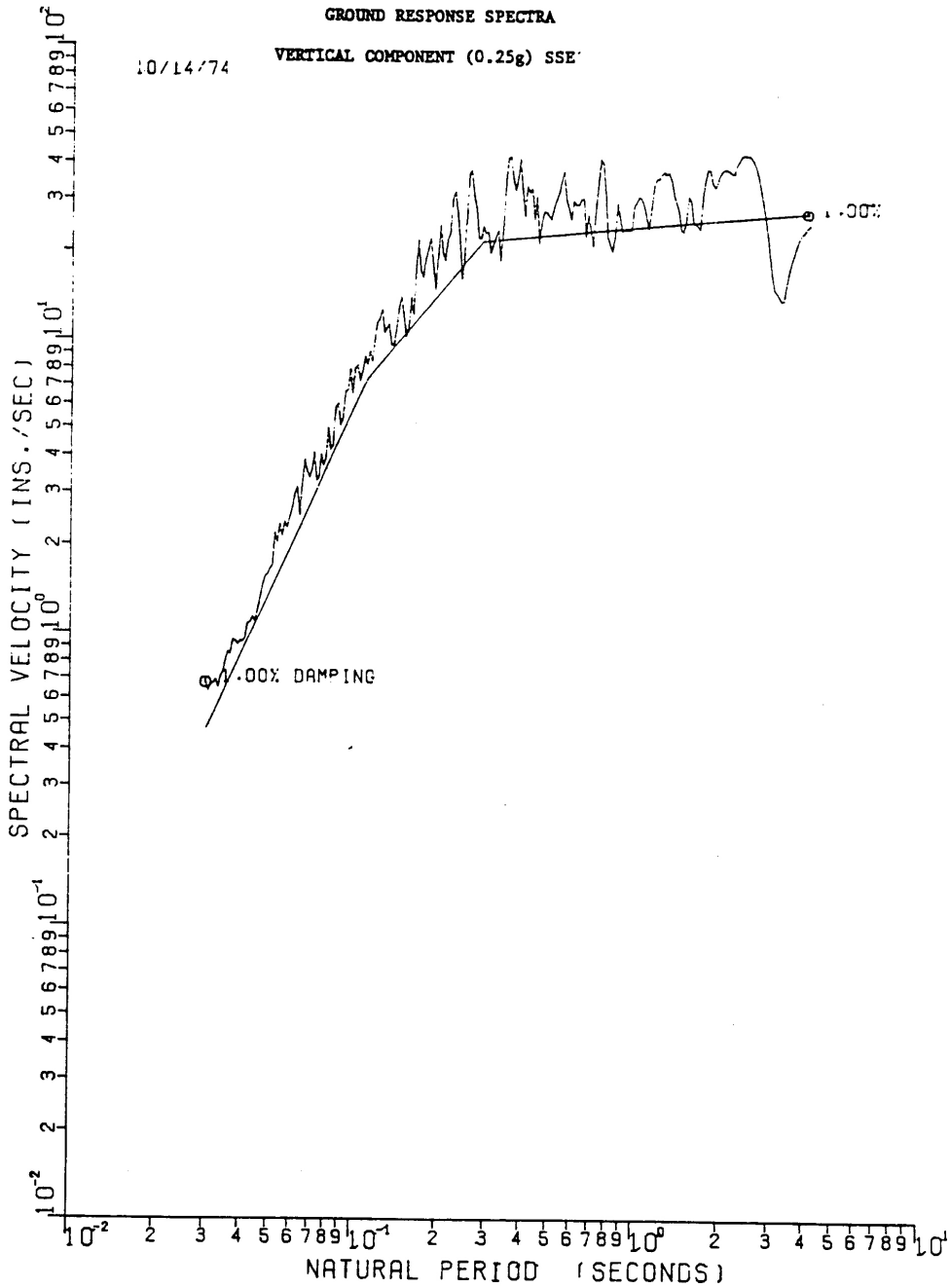
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	5% Critical Damping Ground Response Spectrum, Horizontal Component 2 - SSE	
		Figure 3.7(B)-13



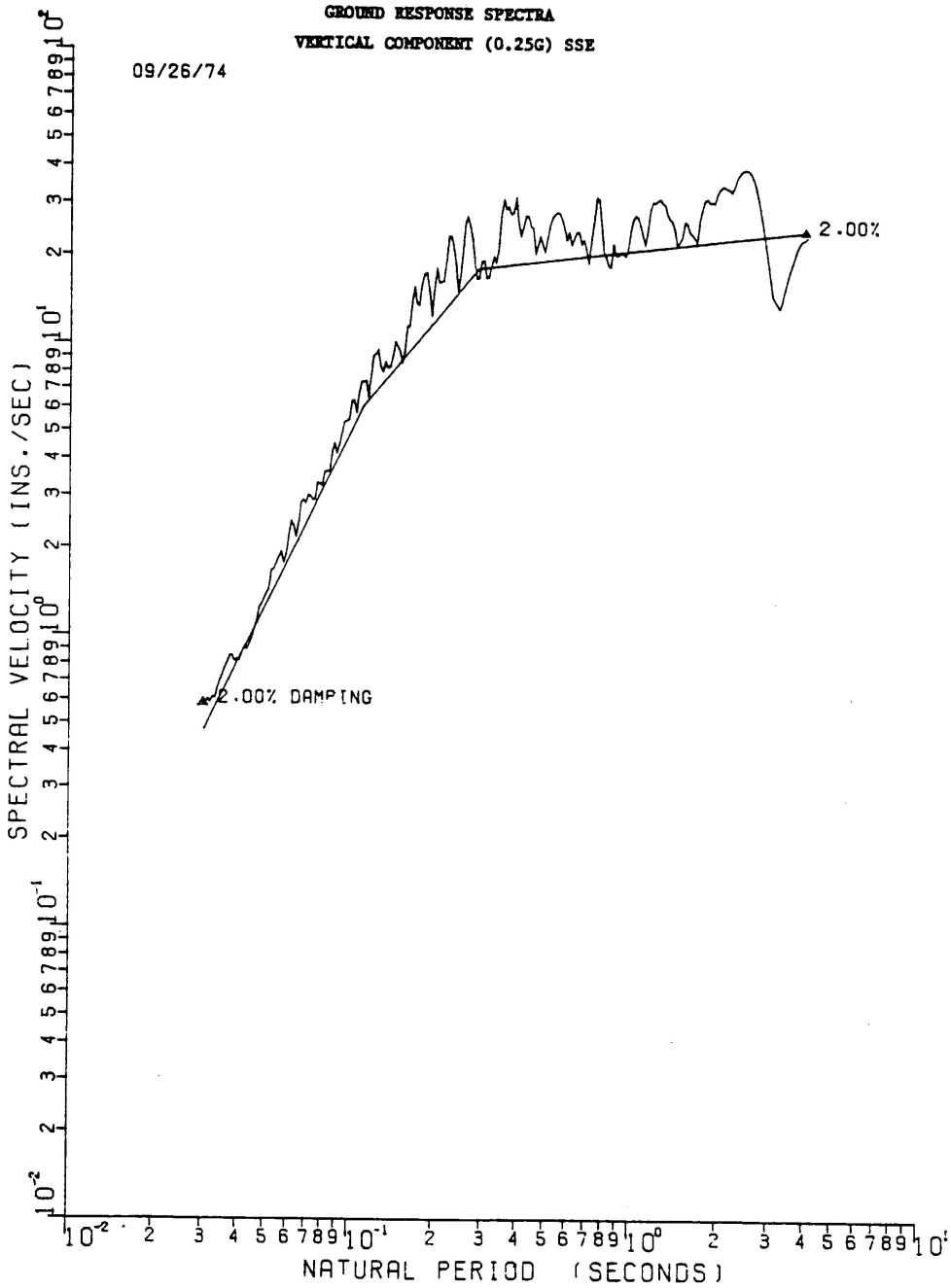
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	7% Critical Damping Ground Response Spectrum, Horizontal Component 2 - SSE	
		Figure 3.7(B)-14



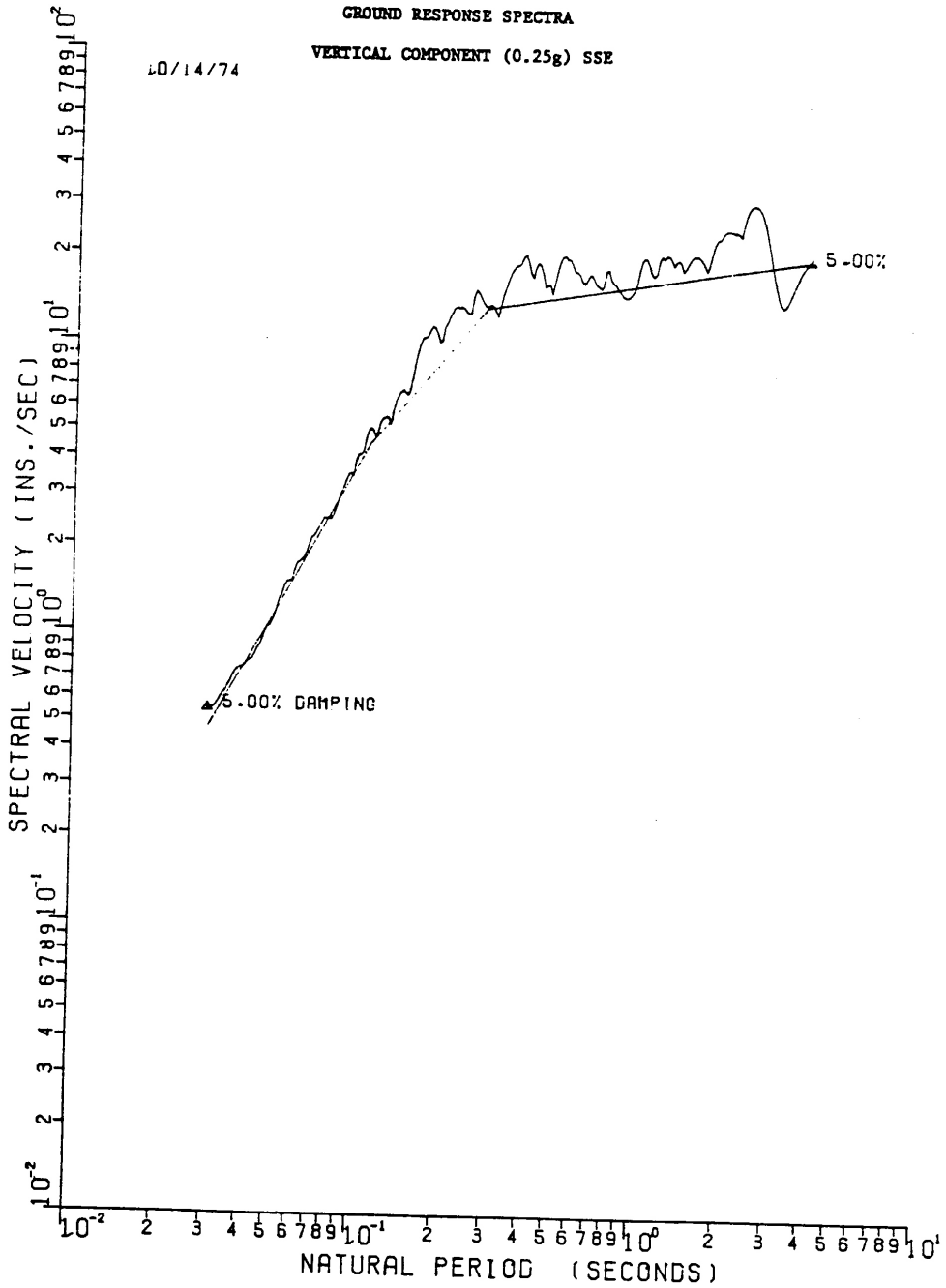
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	10% Critical Damping Ground Response Spectrum, Horizontal Component 2 - SSE	
		Figure 3.7(B)-15



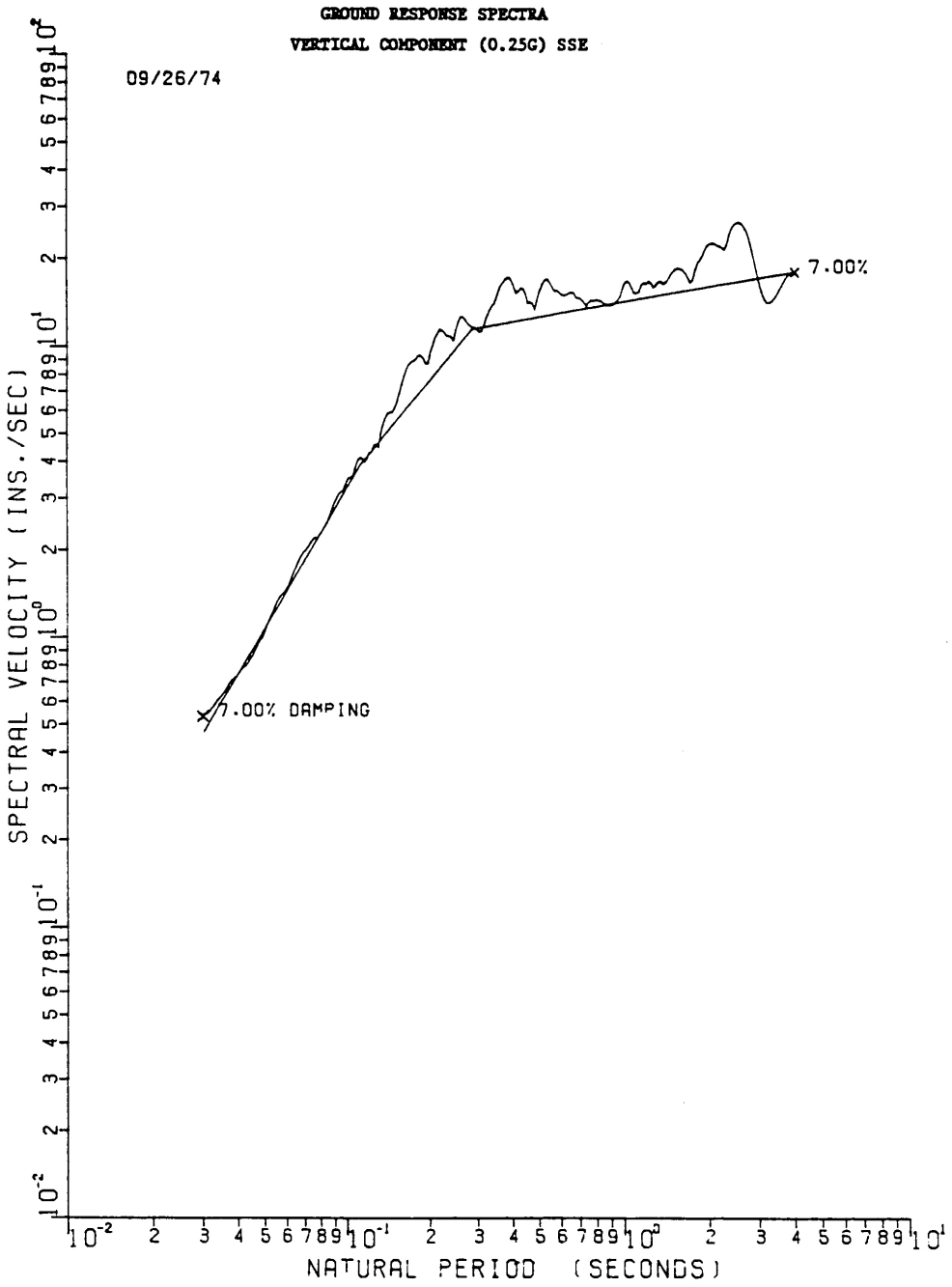
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	1% Critical Damping Ground Response Spectrum, Vertical Component - SSE	
		Figure 3.7(B)-16



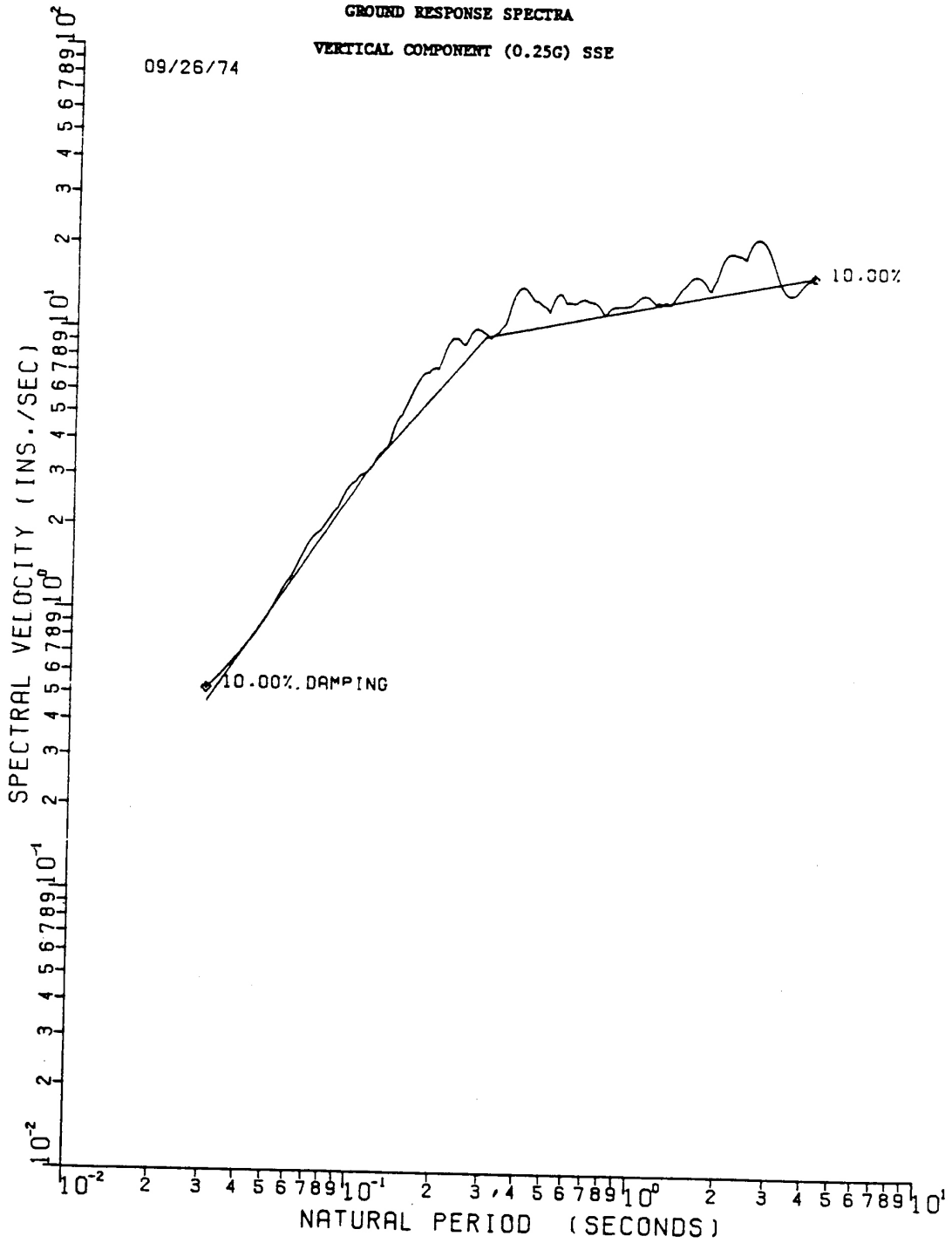
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	2% Critical Damping Ground Response Spectrum, Vertical Component - SSE	
		Figure 3.7(B)-17



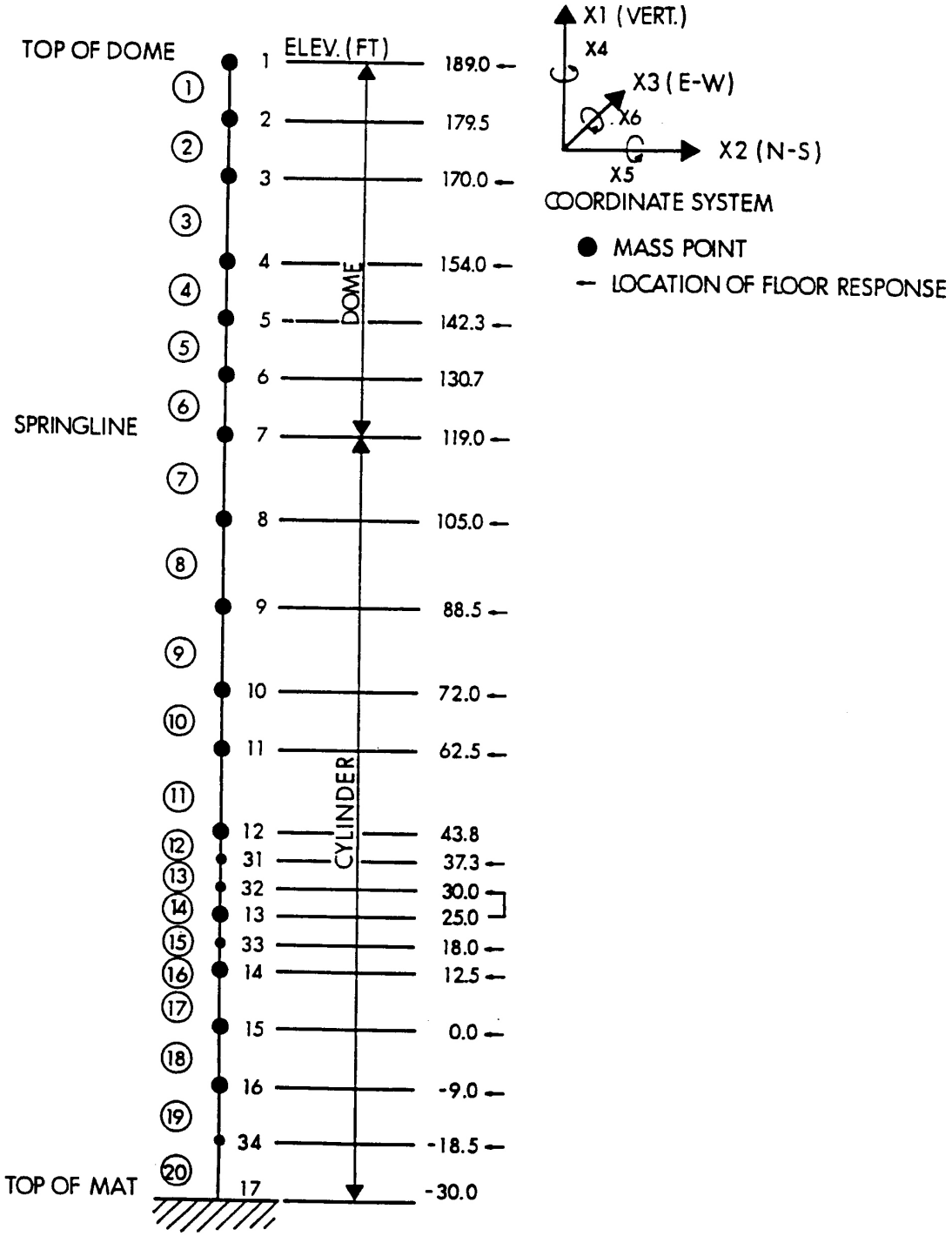
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	5% Critical Damping Ground Response Spectrum, Vertical Component - SSE	
		Figure 3.7(B)-18



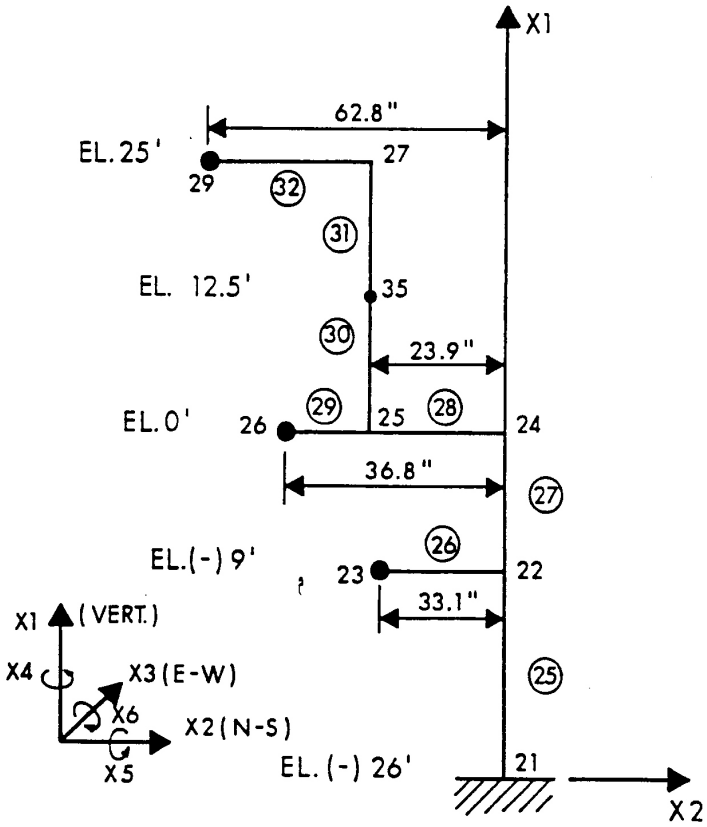
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	7% Critical Damping Ground Response Spectrum, Vertical Component - SSE	
		Figure 3.7(B)-19



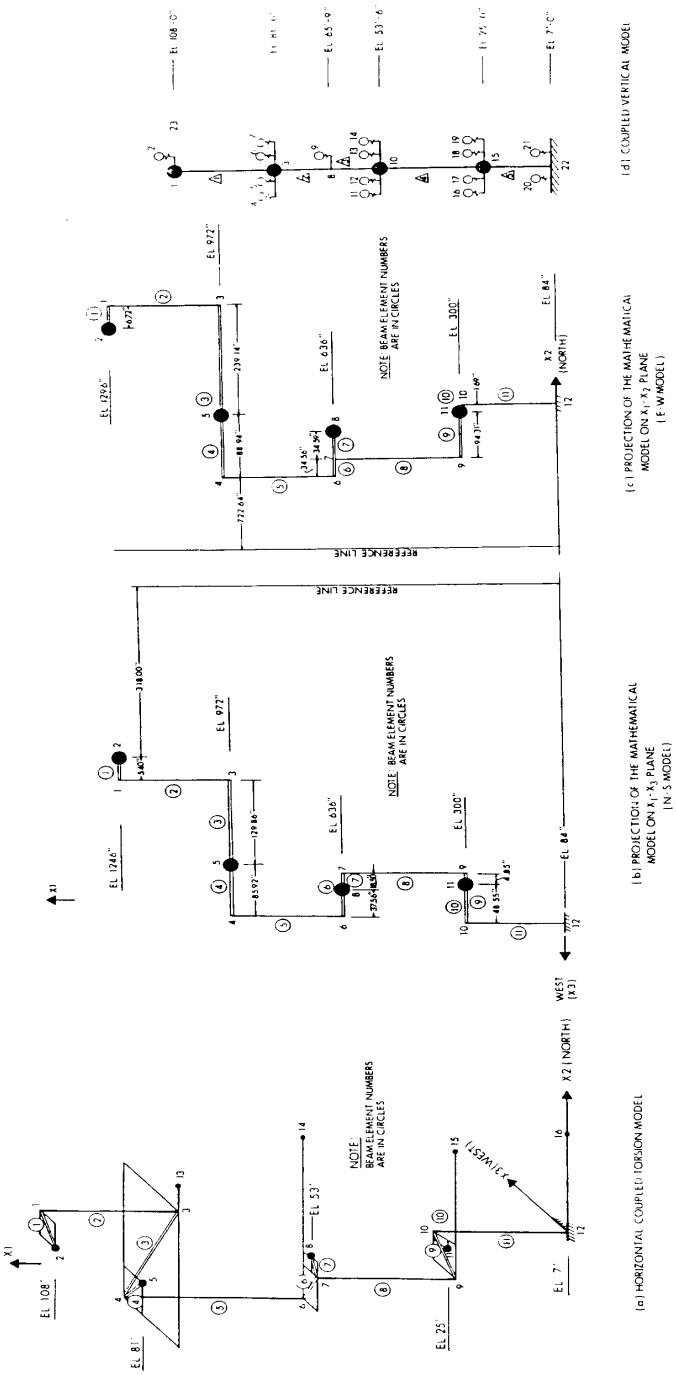
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	10% Critical Damping Ground Response Spectrum, Vertical Component - SSE	
		Figure 3.7(B)-20



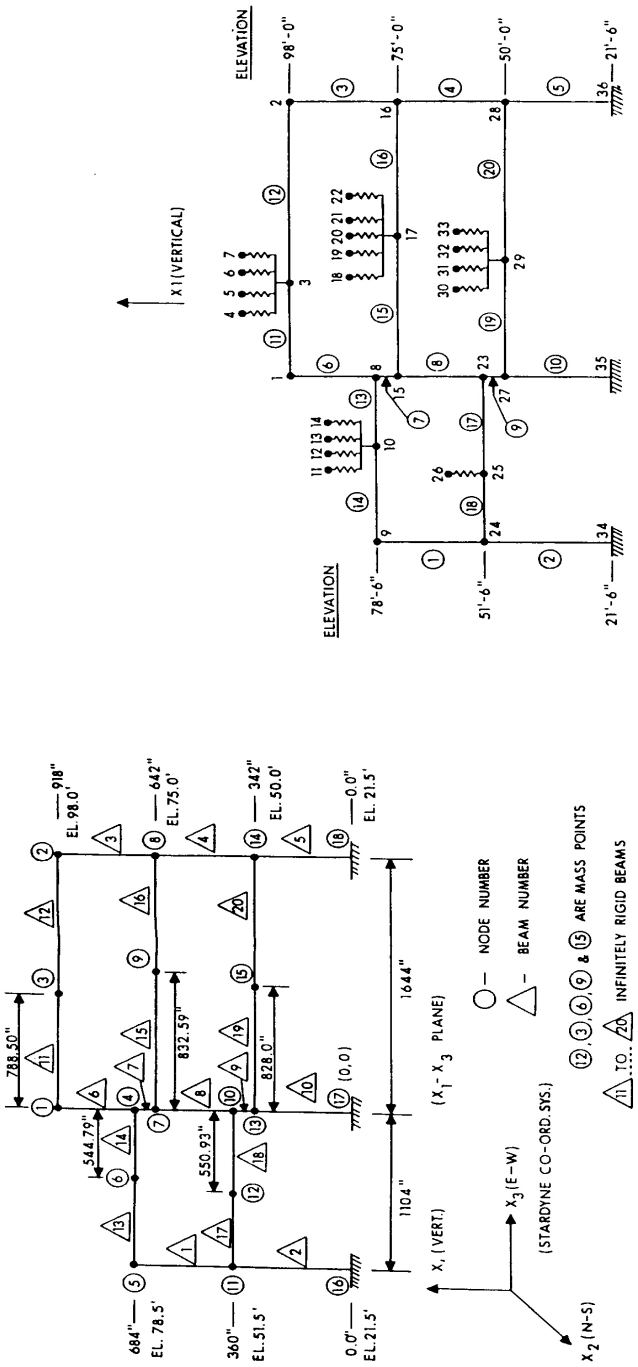
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Containment Shell - Seismic Model	
		Figure 3.7(B)-21



SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Containment Internals - Mathematical Model	
		Figure 3.7(B)-22



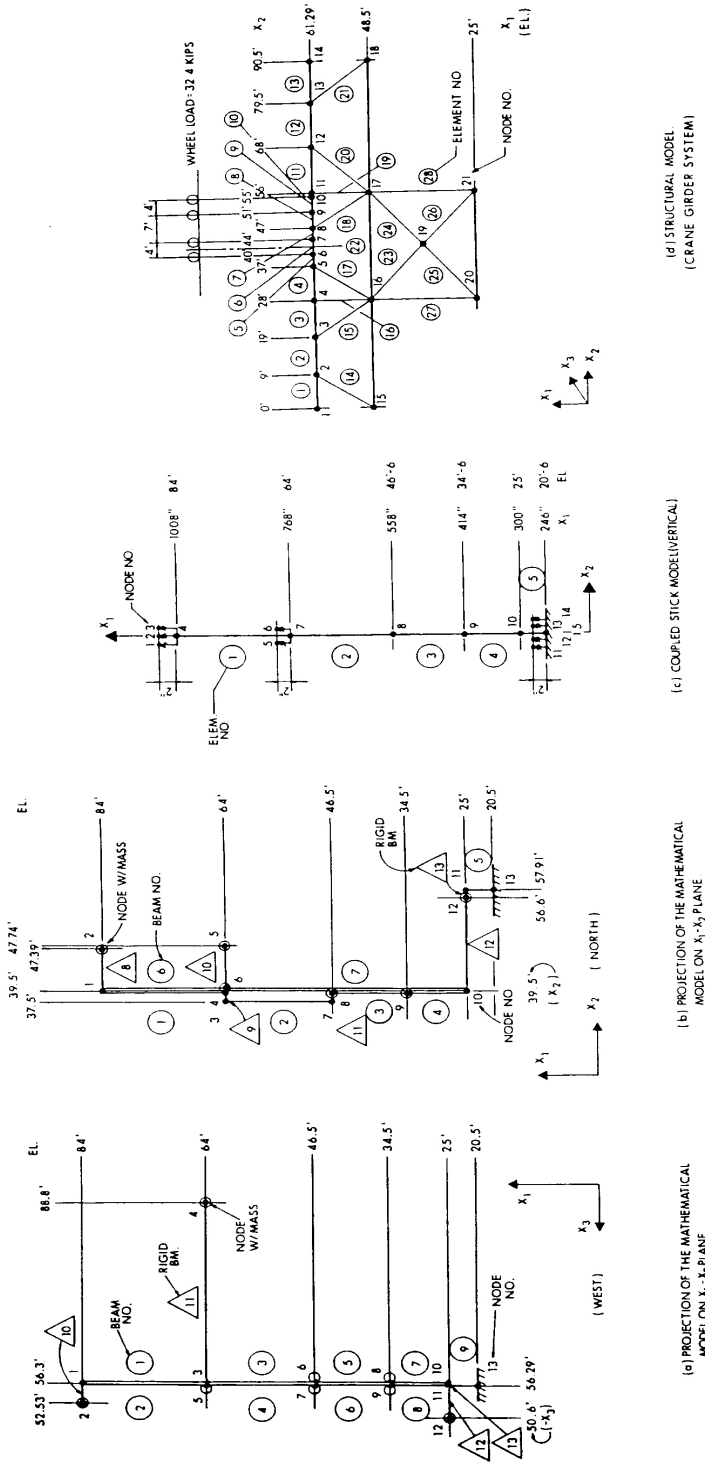
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Primary Auxiliary Building Seismic Analysis - Mathematical Model	
		Figure 3.7(B)-23



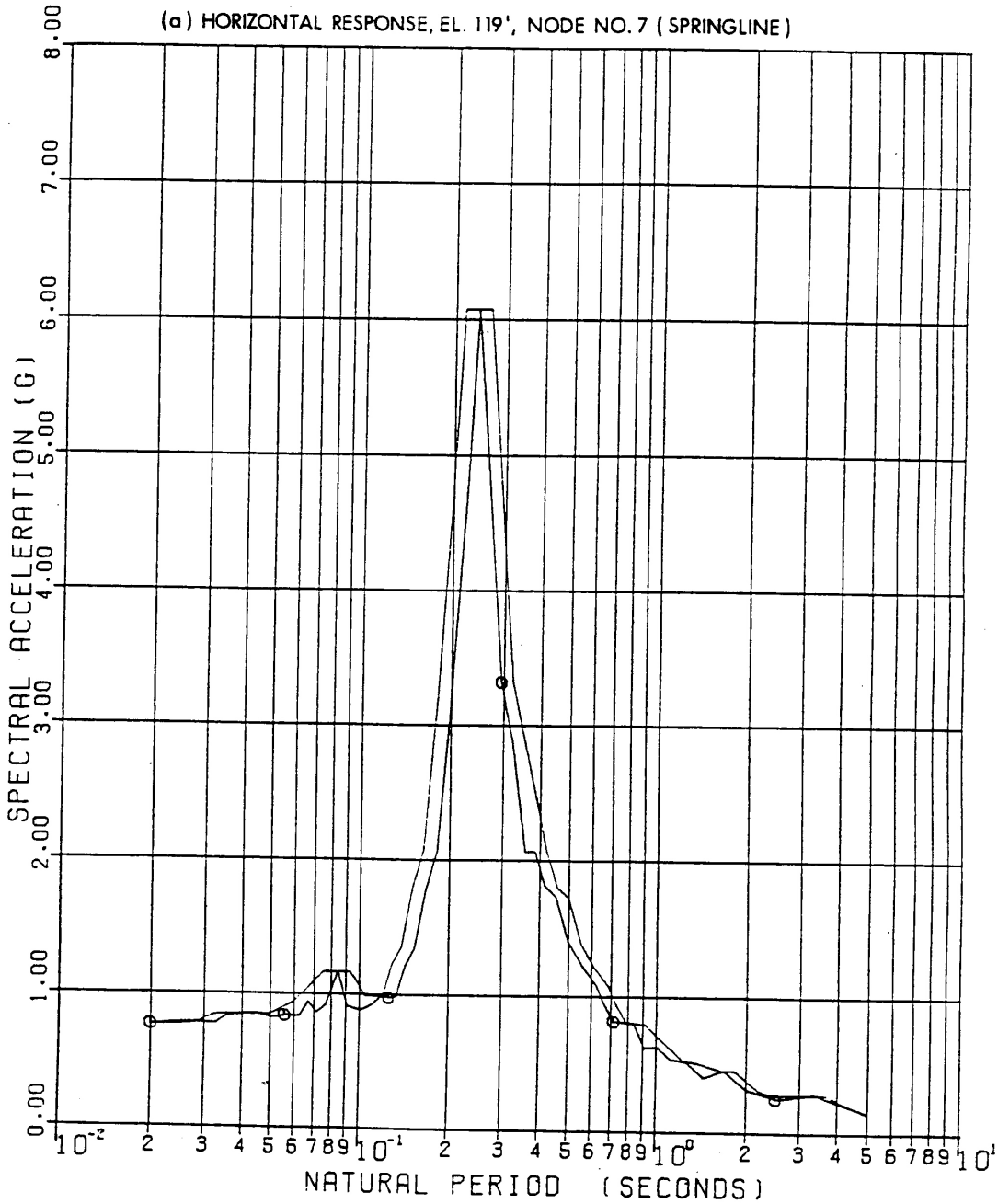
(a) PROJECTION OF THE MATHEMATICAL MODEL ON X_1 - X_3 PLANE.

(b) VERTICAL MODEL.

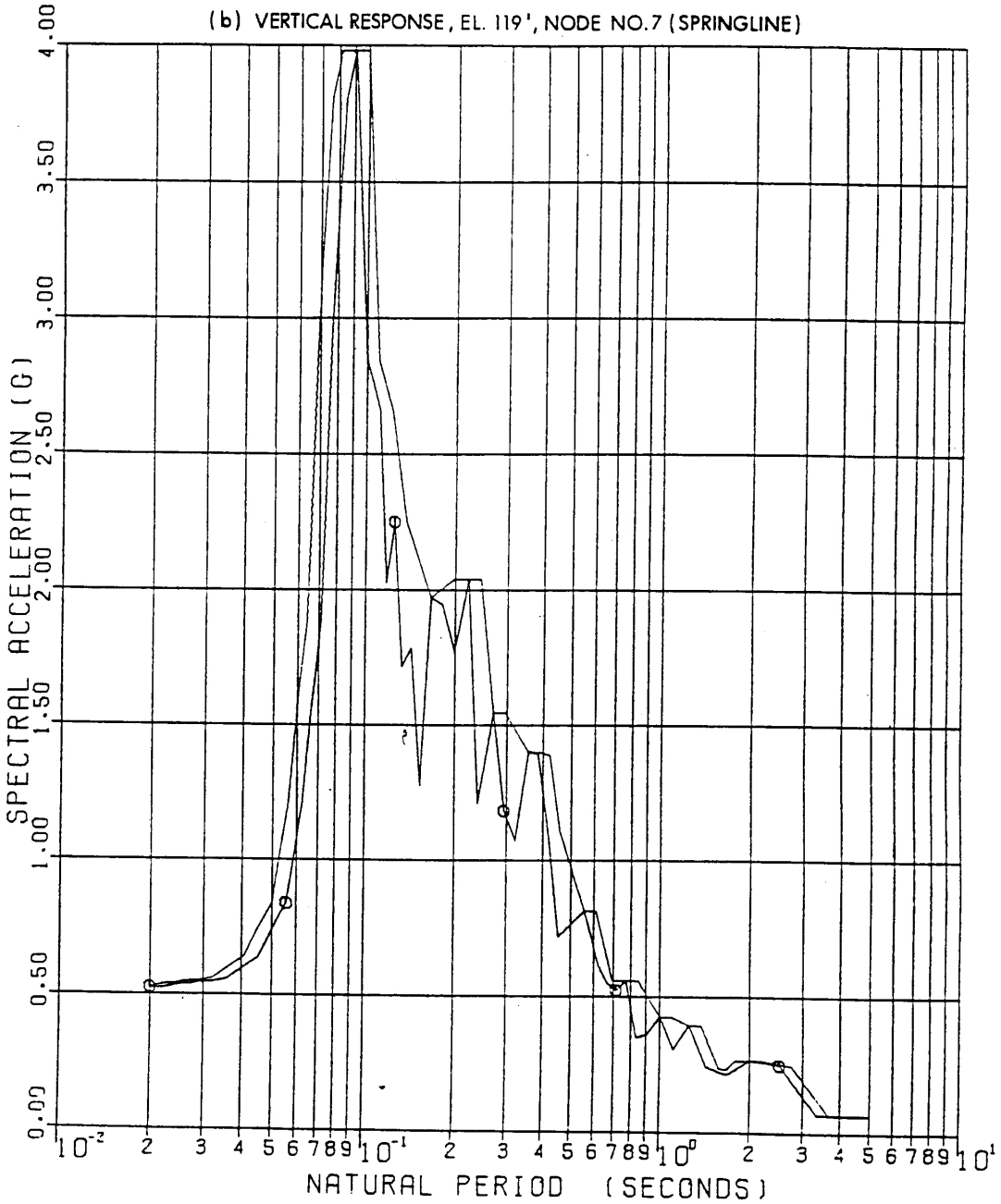
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Control/Diesel Generator Building Seismic Analysis - Mathematical Model	
		Figure 3.7(B)-24



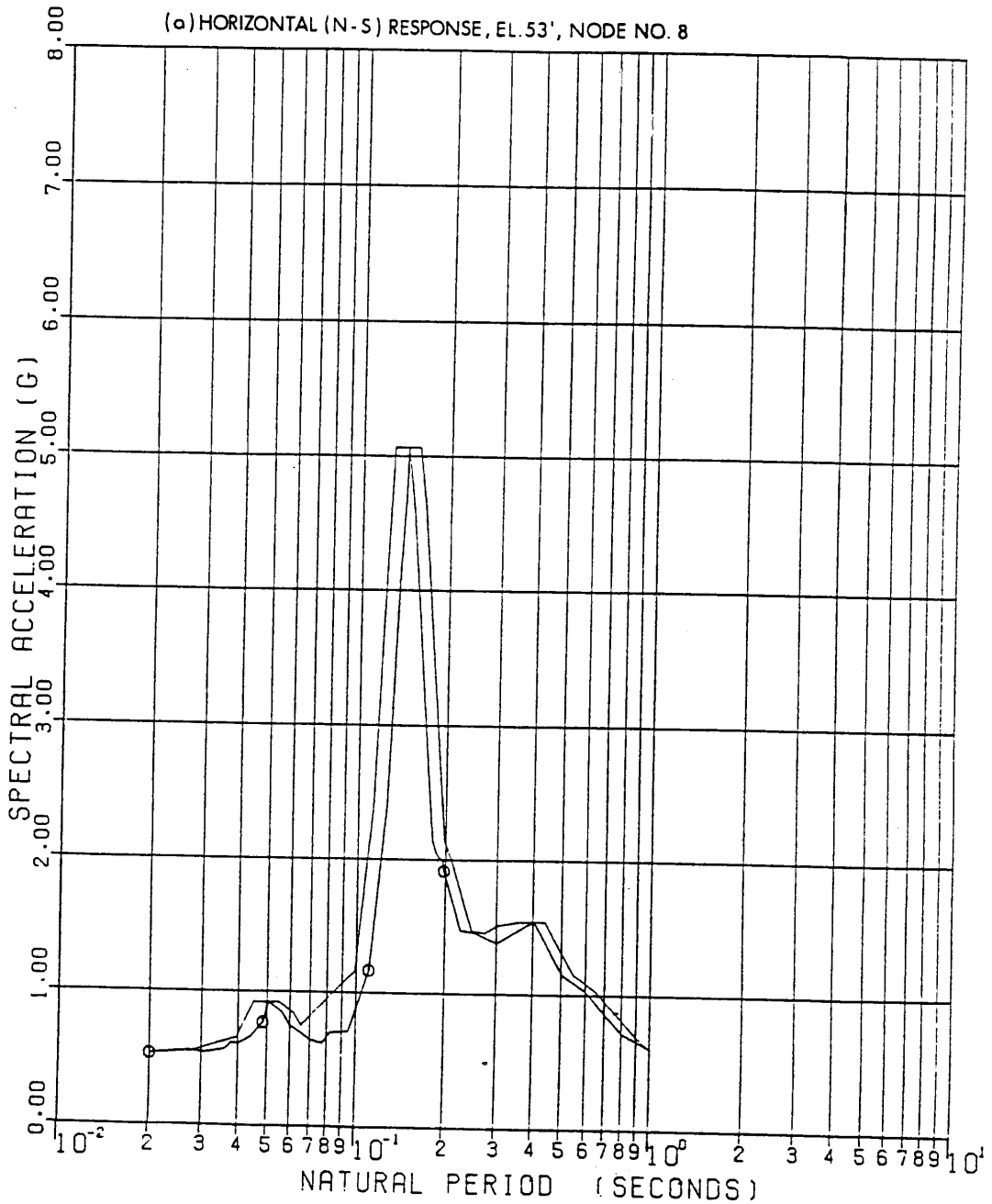
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Fuel Storage Building Seismic Analysis - Mathematical Model	
		Figure 3.7(B)-25



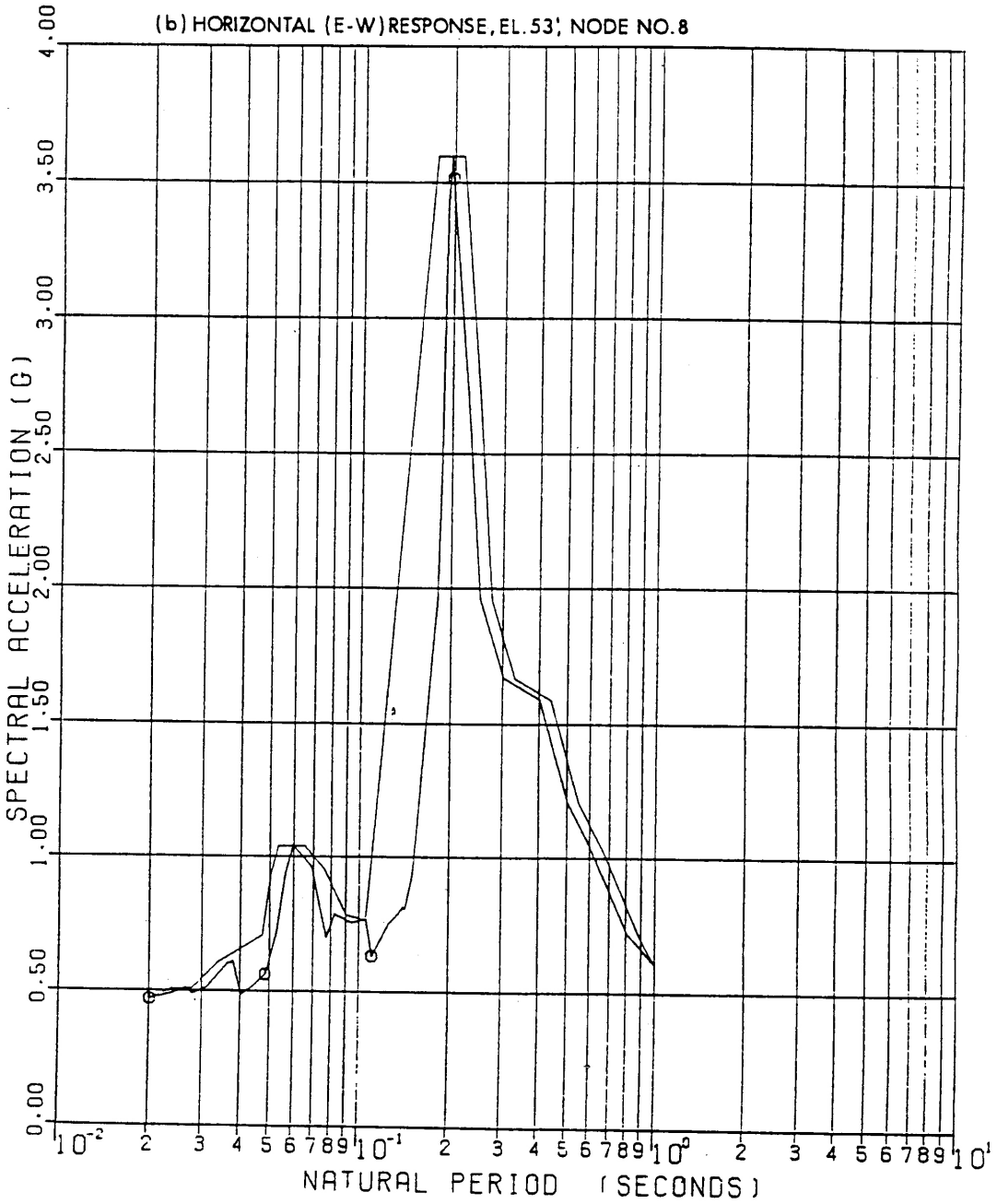
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Containment Shell - 7% Structural Damping; 2% Equipment Damping [2 Sheets]	
		Figure 3.7(B)-26 Sh 1 of 2



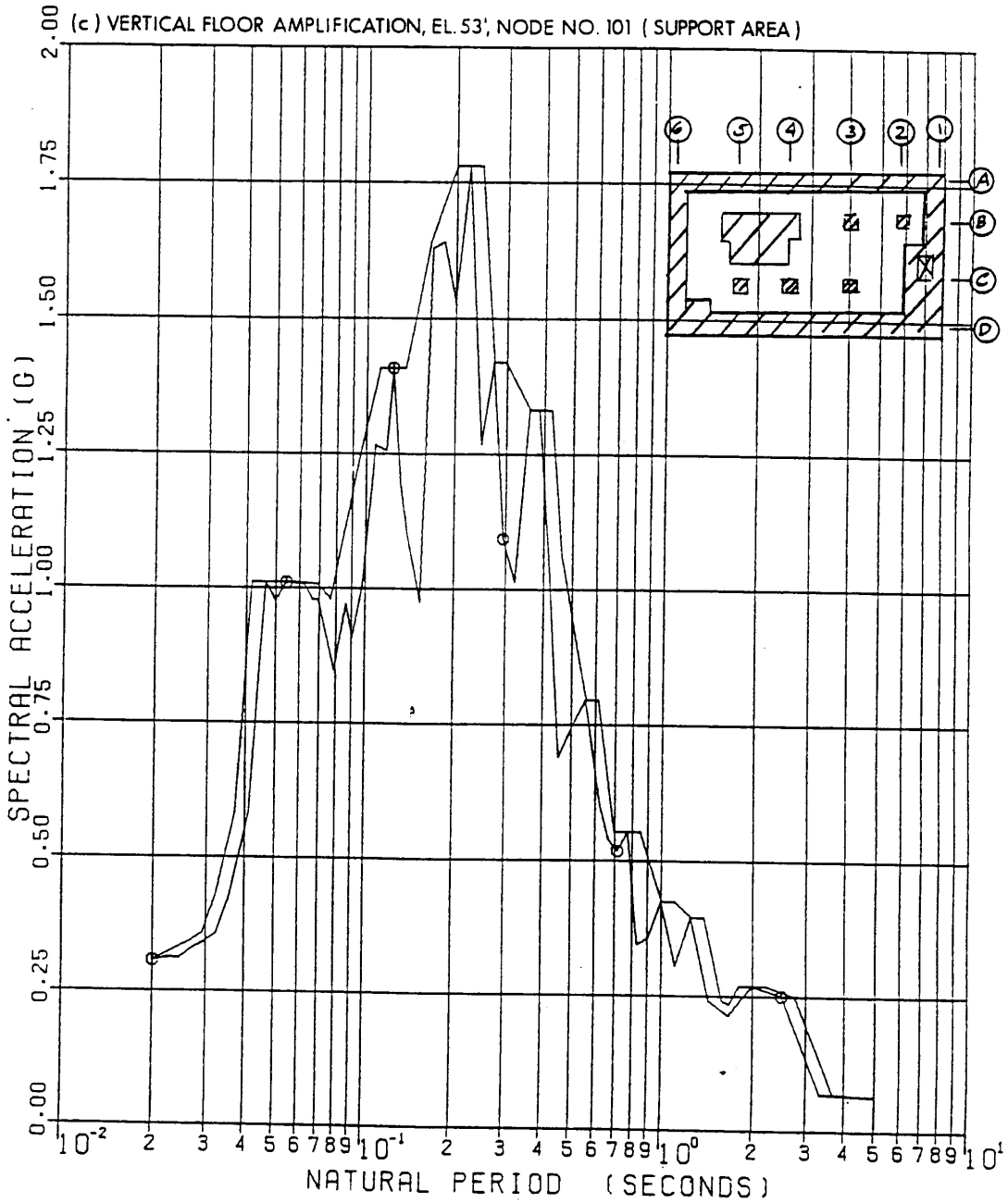
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Containment Shell - 7% Structural Damping; 2% Equipment Damping [2 Sheets]	
		Figure 3.7(B)-26 Sh 2 of 2



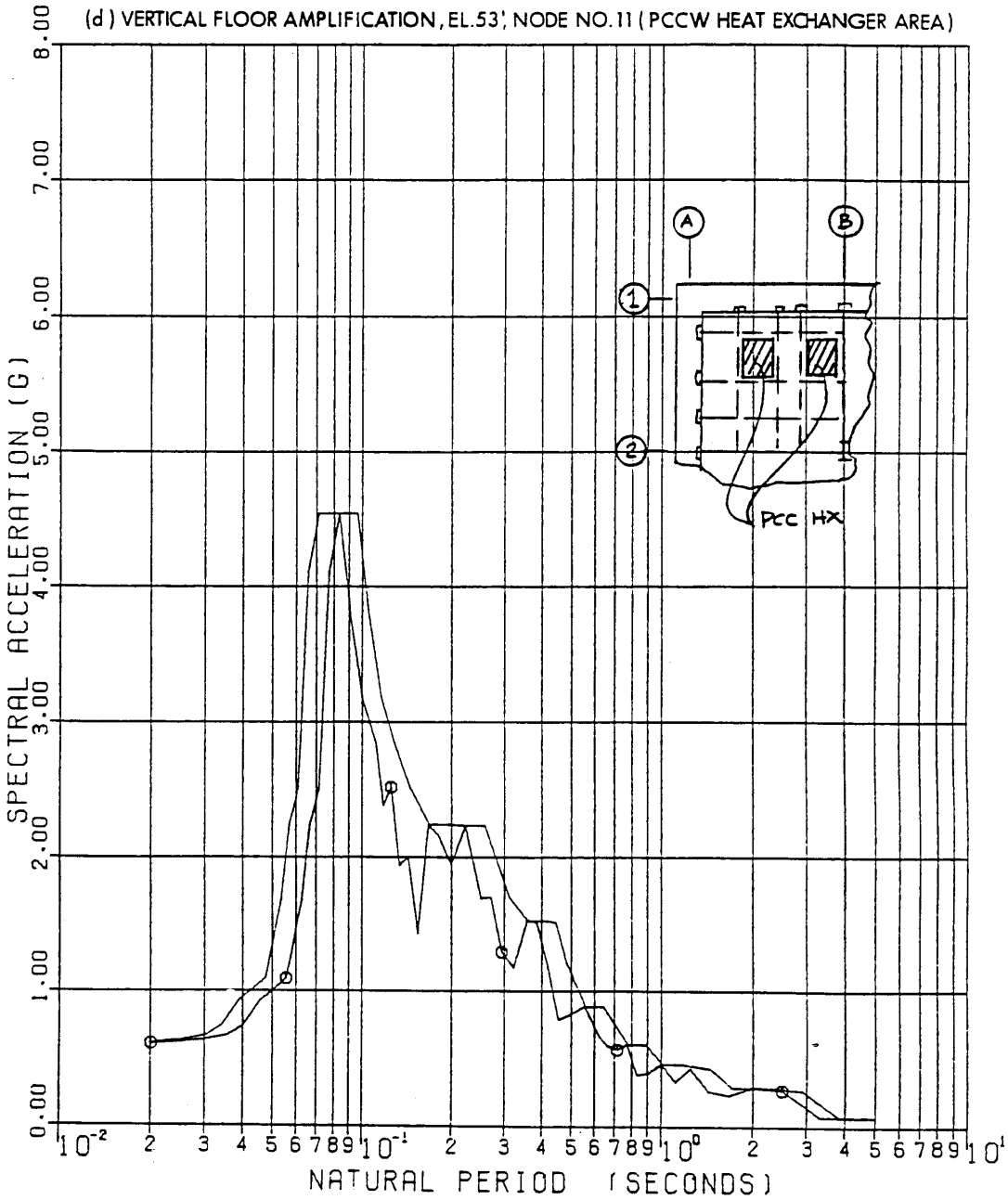
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Primary Auxiliary Building -7% Structural Damping; 2% Equipment Damping [4 Sheets]	
		Figure 3.7(B)-27 Sh 1 of 4



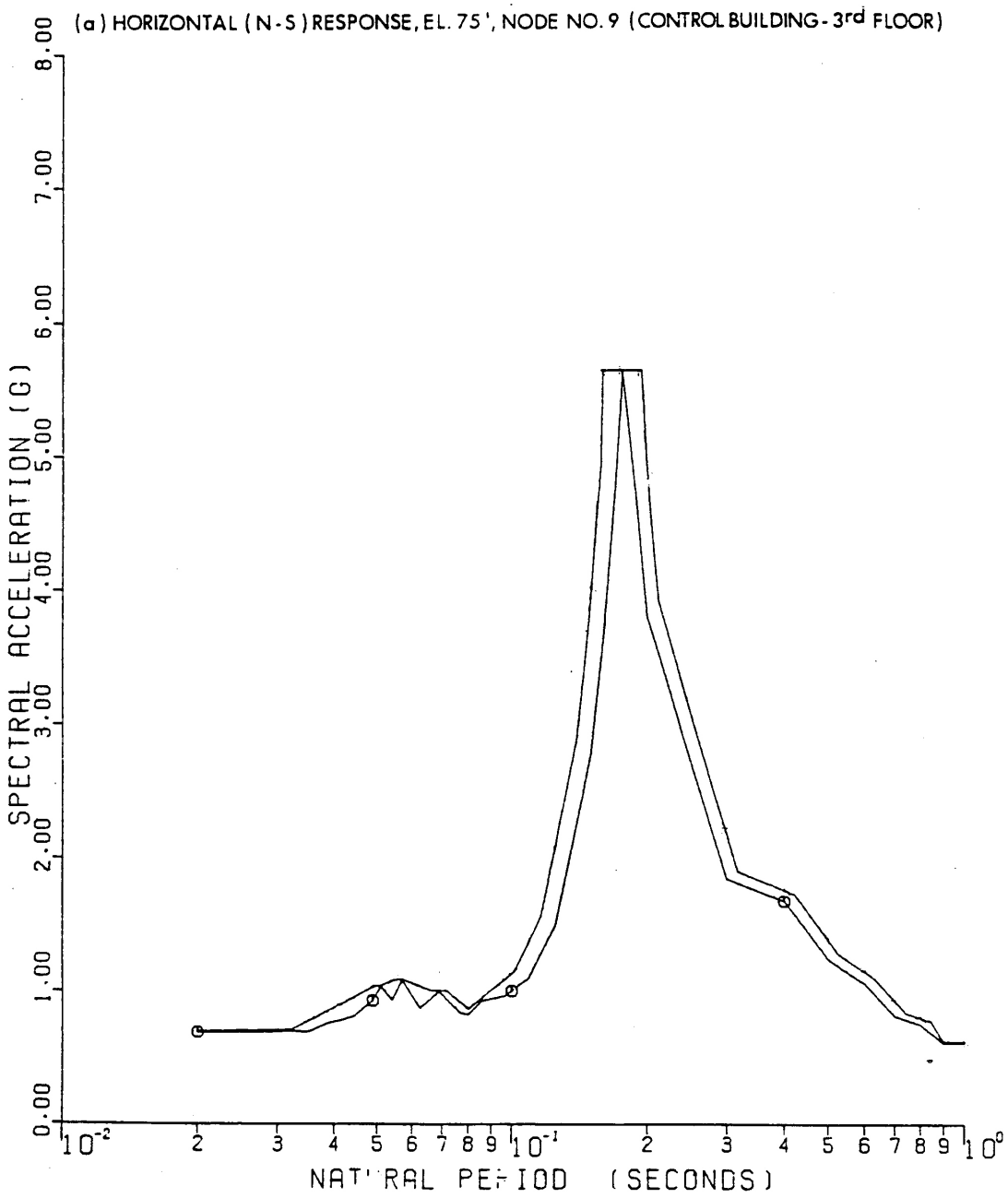
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Primary Auxiliary Building -7% Structural Damping; 2% Equipment Damping [4 Sheets]	
		Figure 3.7(B)-27 Sh 2 of 4



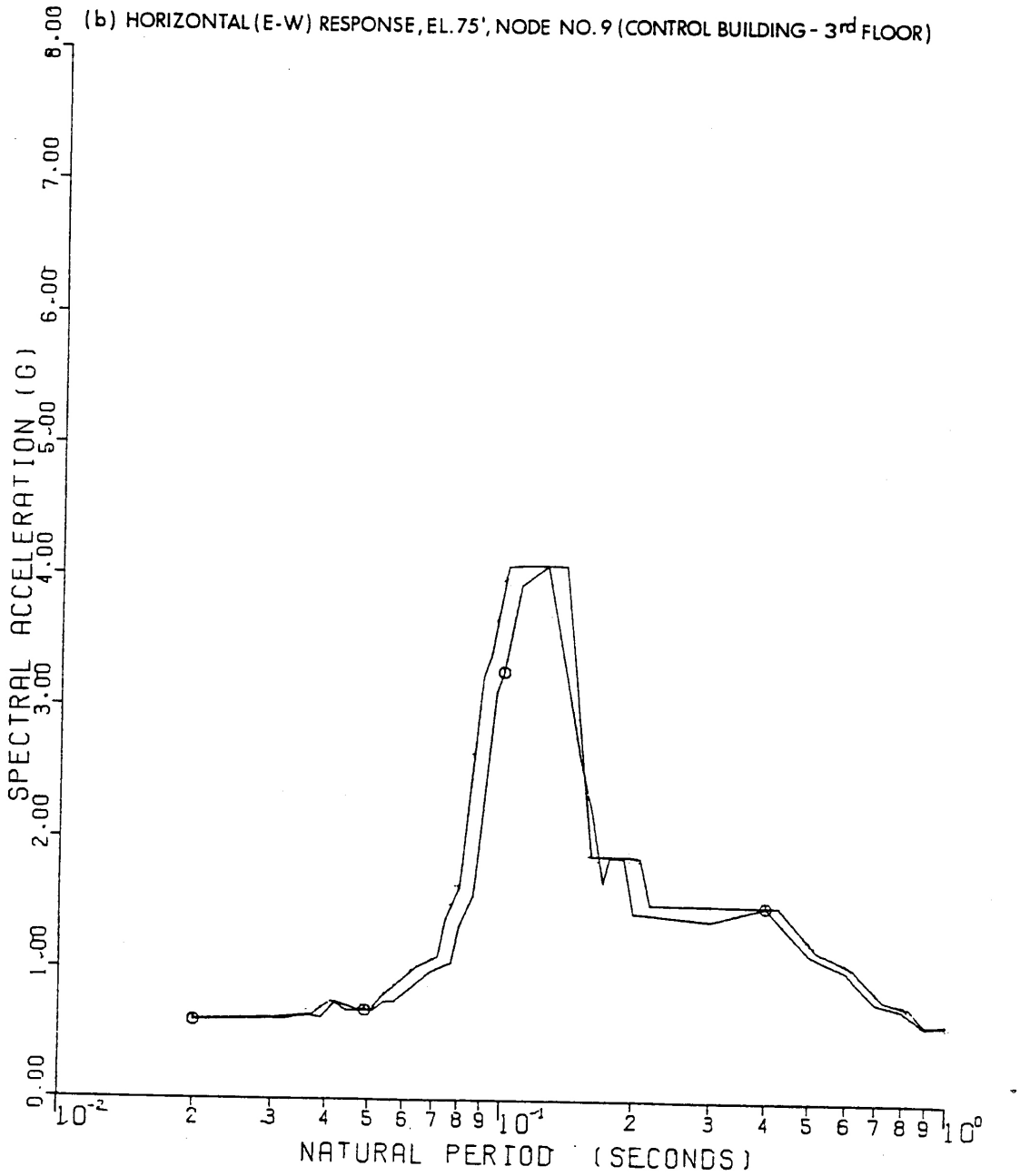
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Primary Auxiliary Building -7% Structural Damping; 2% Equipment Damping [4 Sheets]	
		Figure 3.7(B)-27 Sh 3 of 4



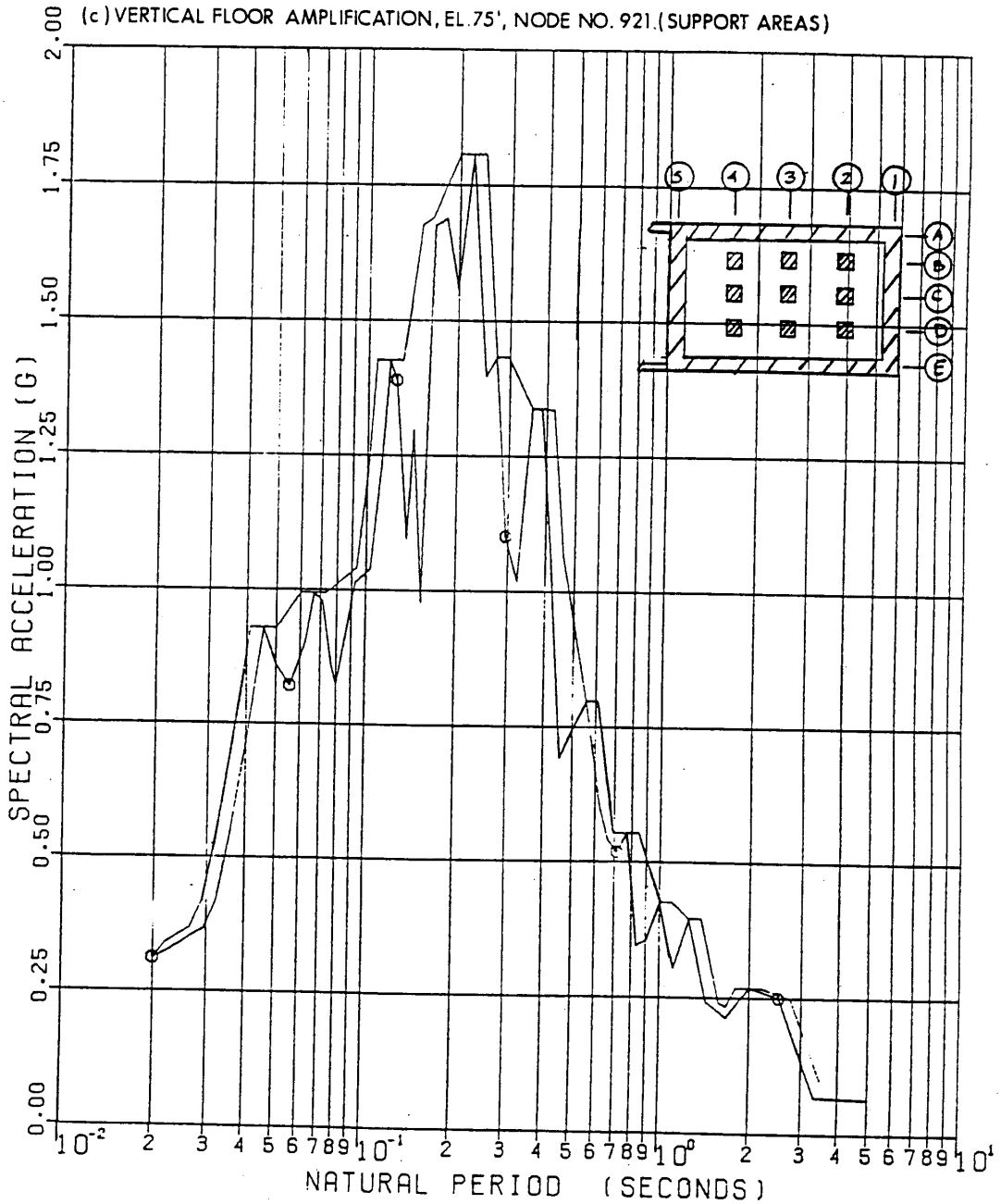
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Primary Auxiliary Building -7% Structural Damping; 2% Equipment Damping [4 Sheets]	
		Figure 3.7(B)-27 Sh 4 of 4



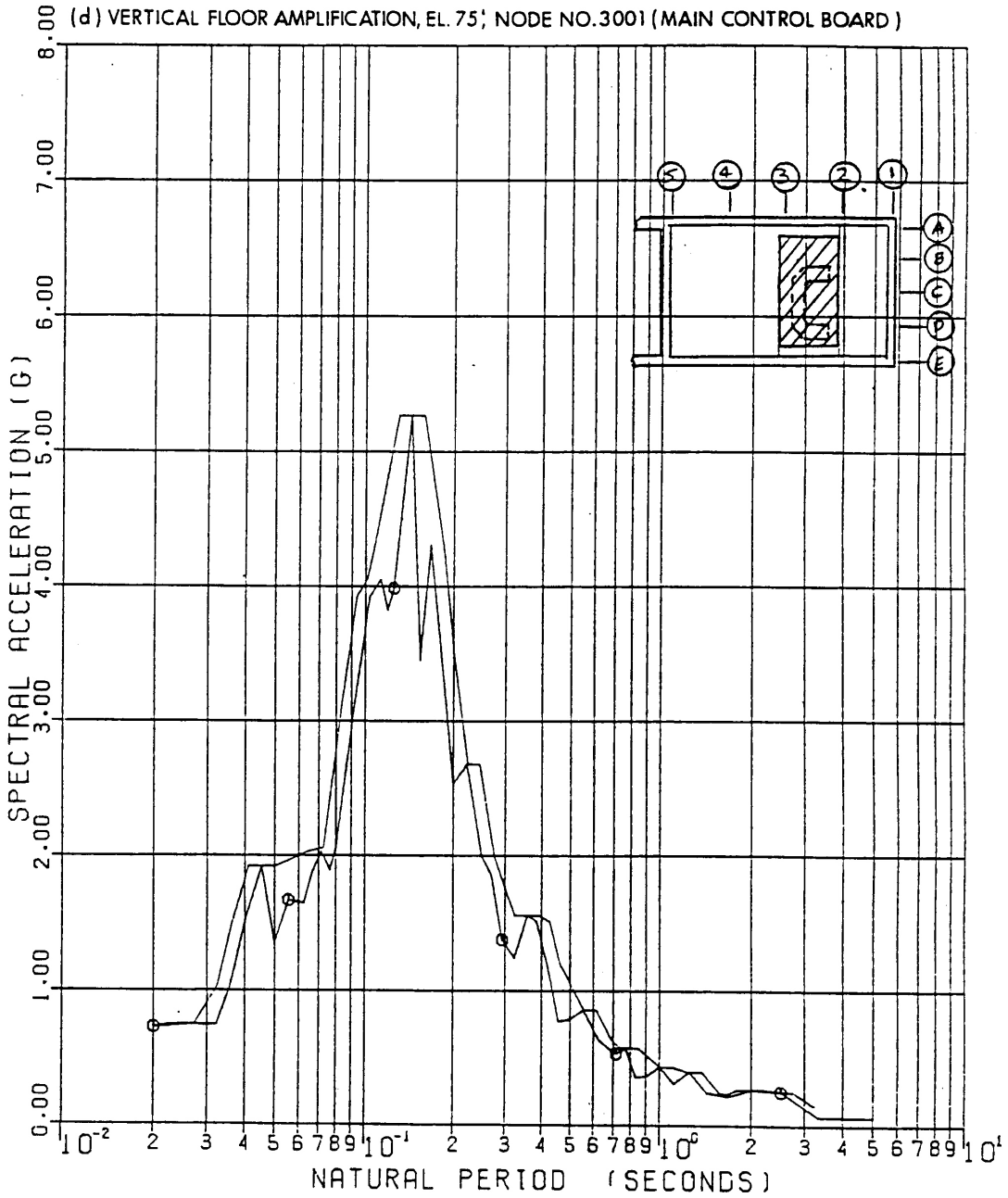
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Control/Diesel Generator Building - 7% Structural Damping; 2% Equipment Damping [8 Sheets]	
		Figure 3.7(B)-28 Sh 1 of 8



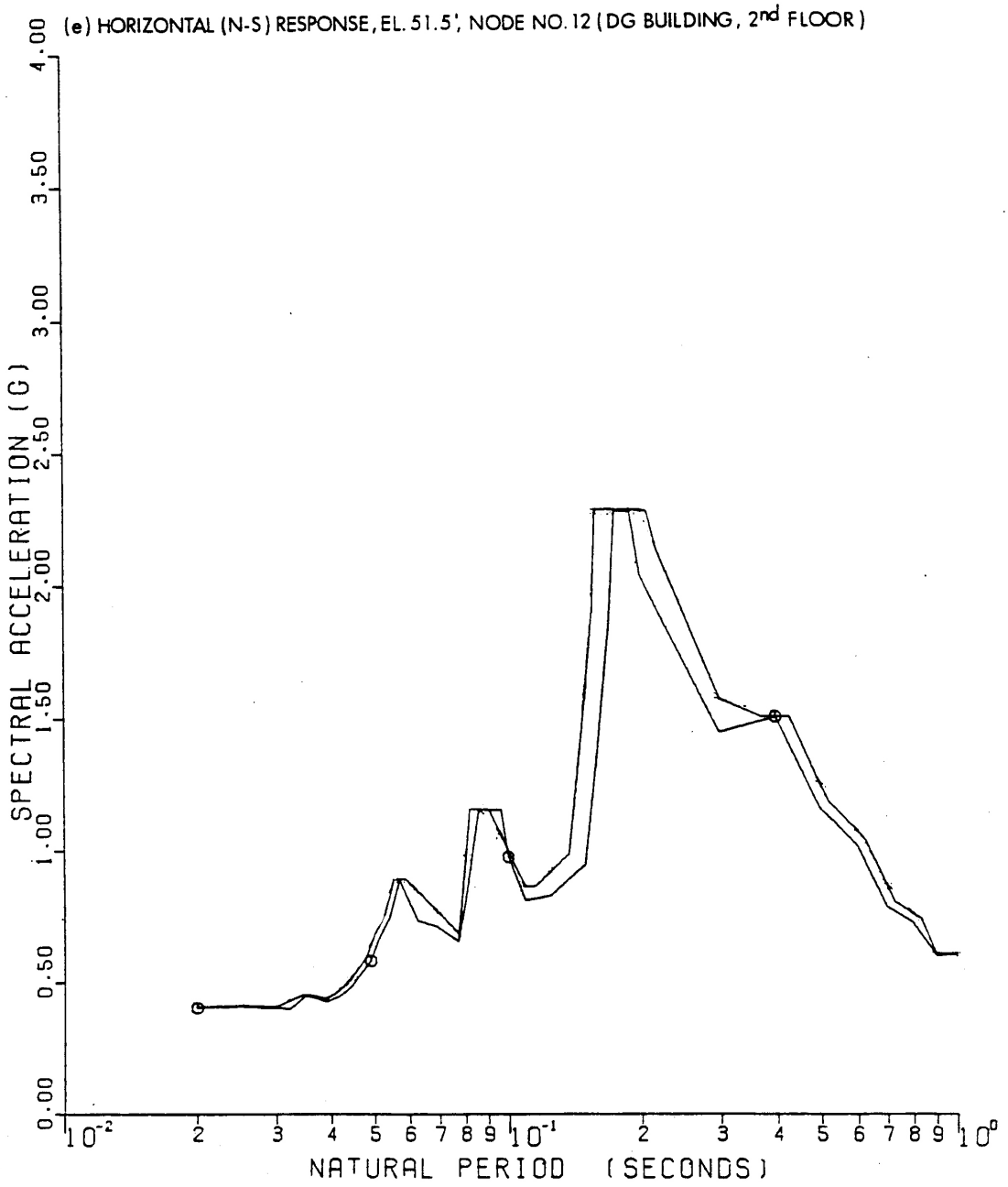
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Control/Diesel Generator Building - 7% Structural Damping; 2% Equipment Damping [8 Sheets]	
		Figure 3.7(B)-28 Sh 2 of 8



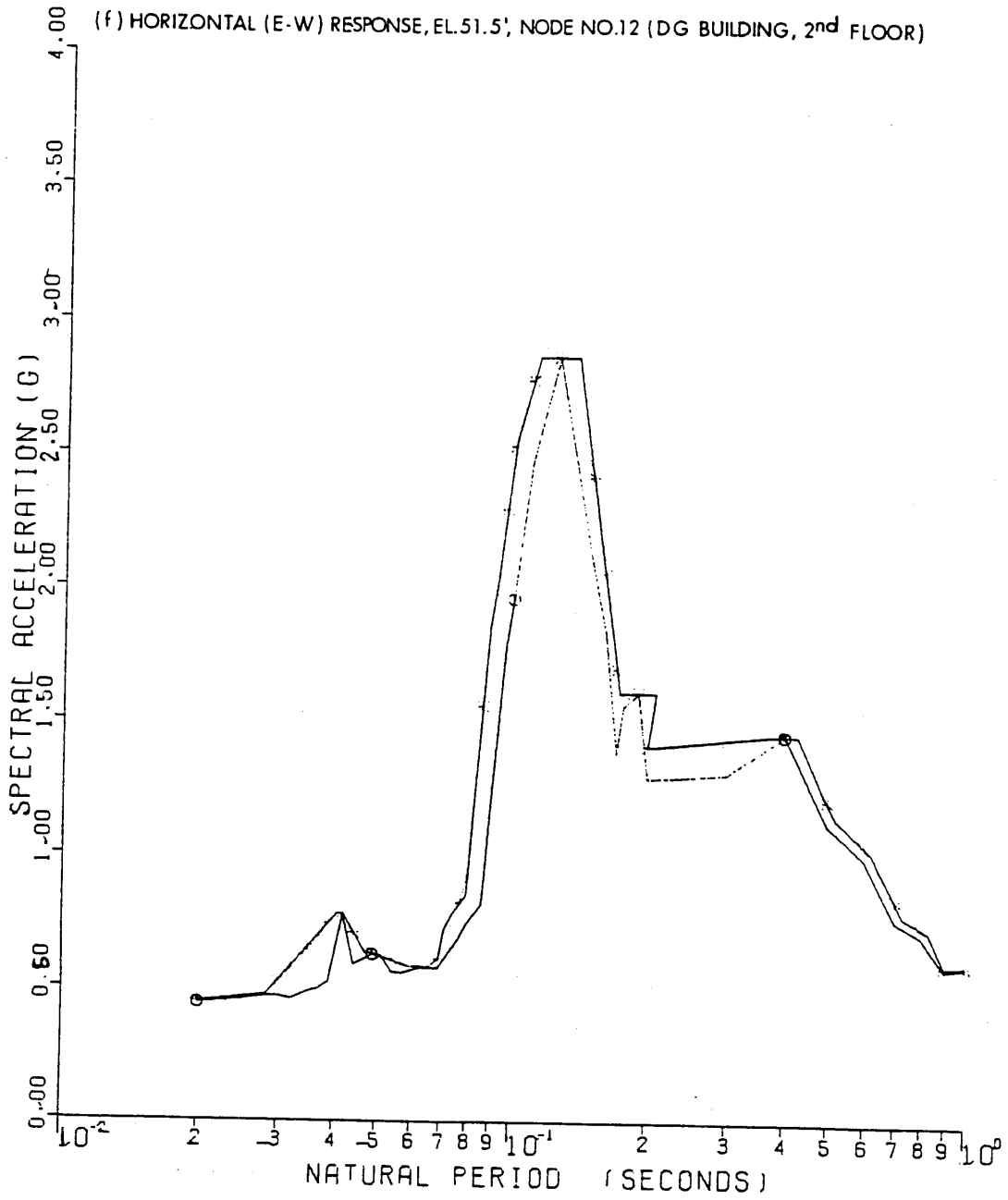
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Control/Diesel Generator Building - 7% Structural Damping; 2% Equipment Damping [8 Sheets]	
		Figure 3.7(B)-28 Sh 3 of 8



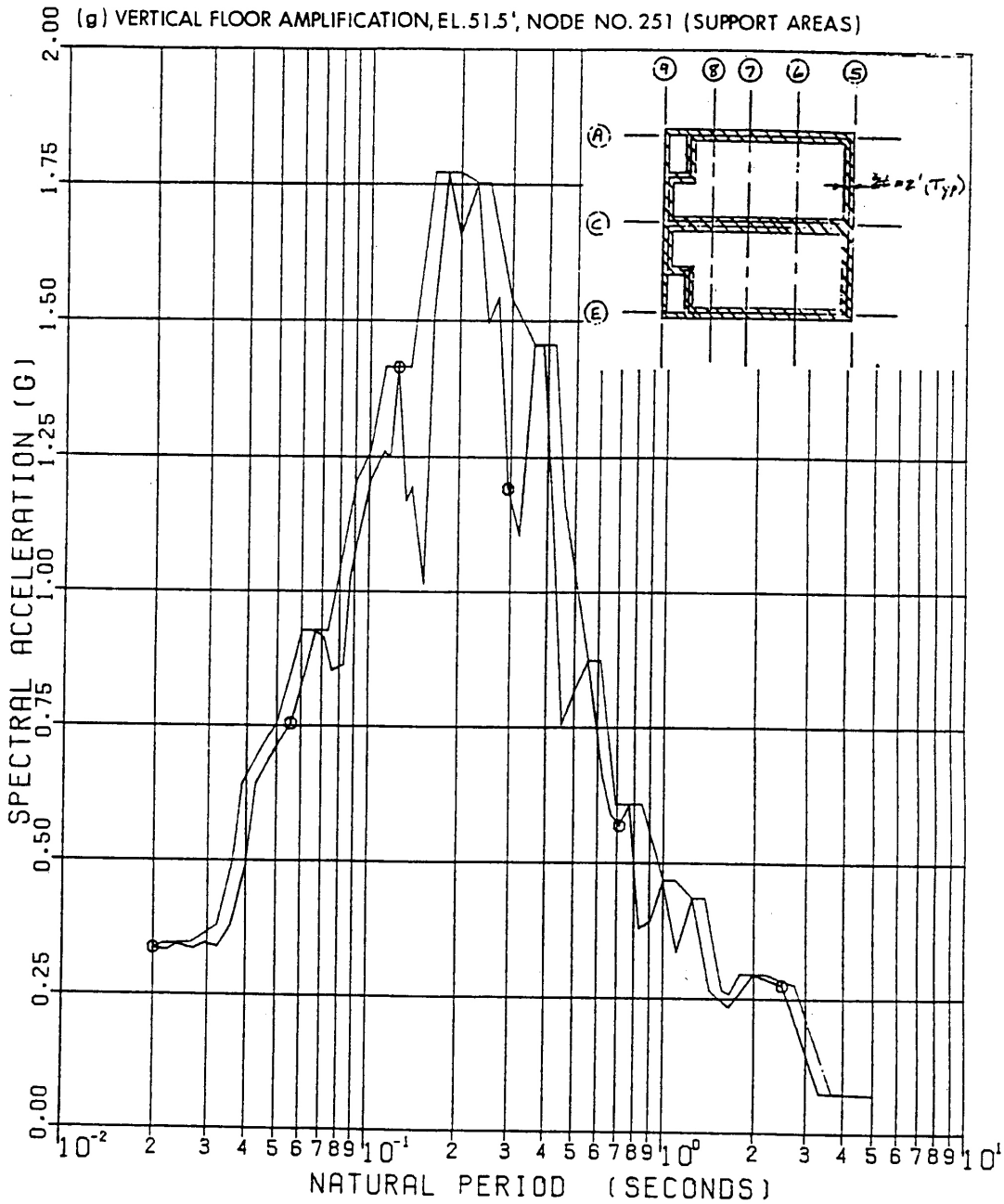
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Control/Diesel Generator Building - 7% Structural Damping; 2% Equipment Damping [8 Sheets]	
		Figure 3.7(B)-28 Sh 4 of 8



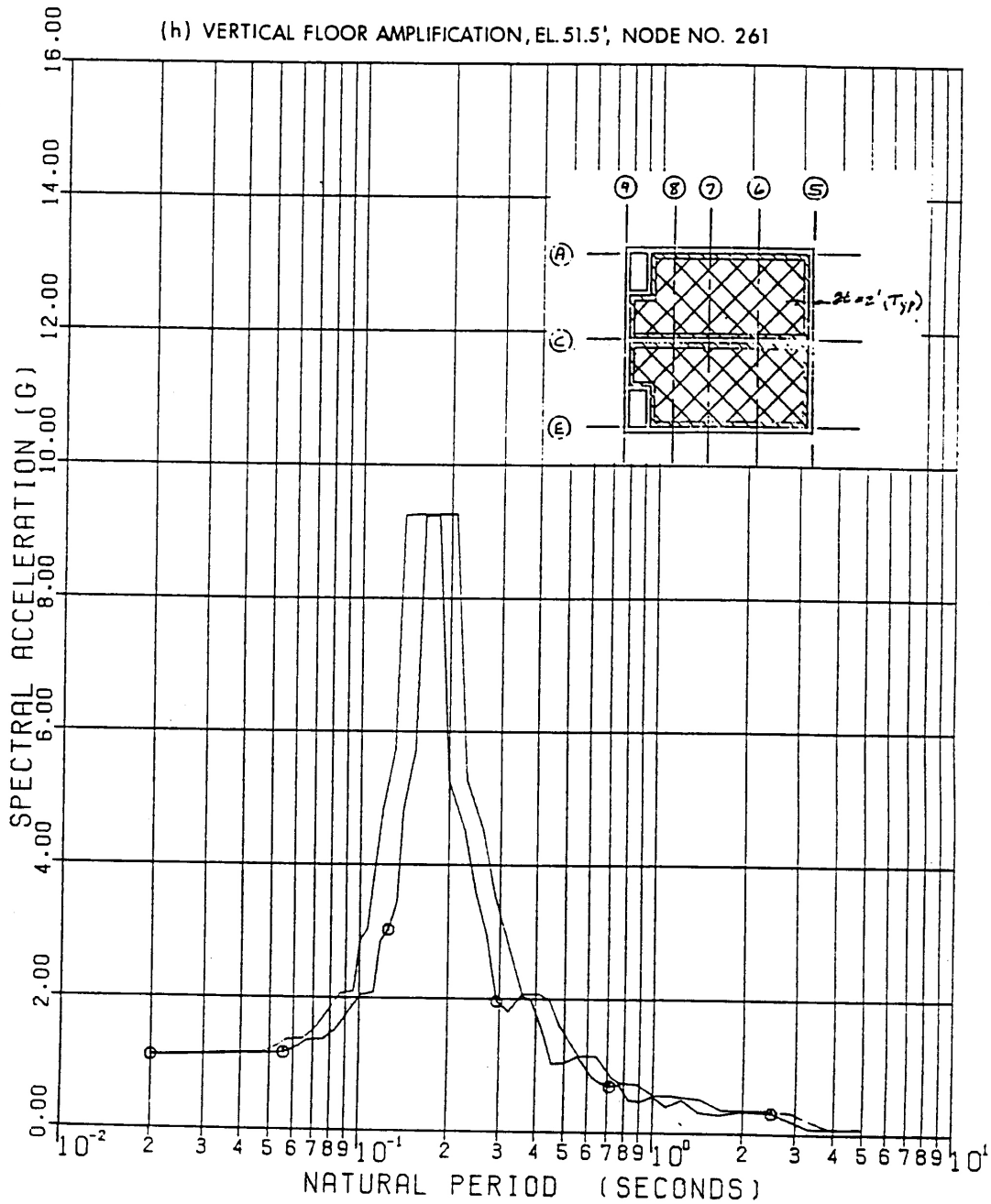
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Control/Diesel Generator Building - 7% Structural Damping; 2% Equipment Damping [8 Sheets]	
		Figure 3.7(B)-28 Sh 5 of 8



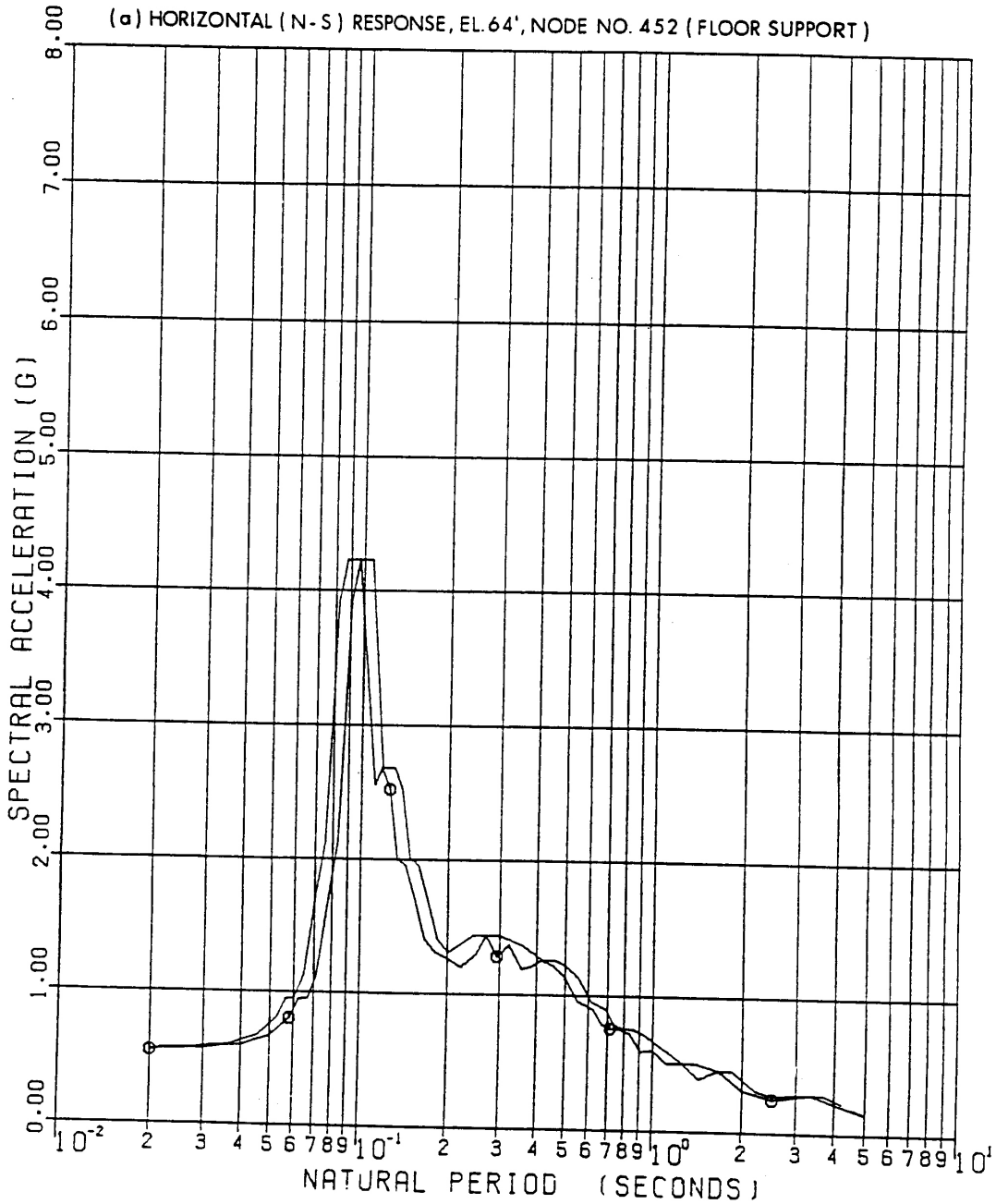
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Control/Diesel Generator Building - 7% Structural Damping; 2% Equipment Damping [8 Sheets]	
		Figure 3.7(B)-28 Sh 6 of 8



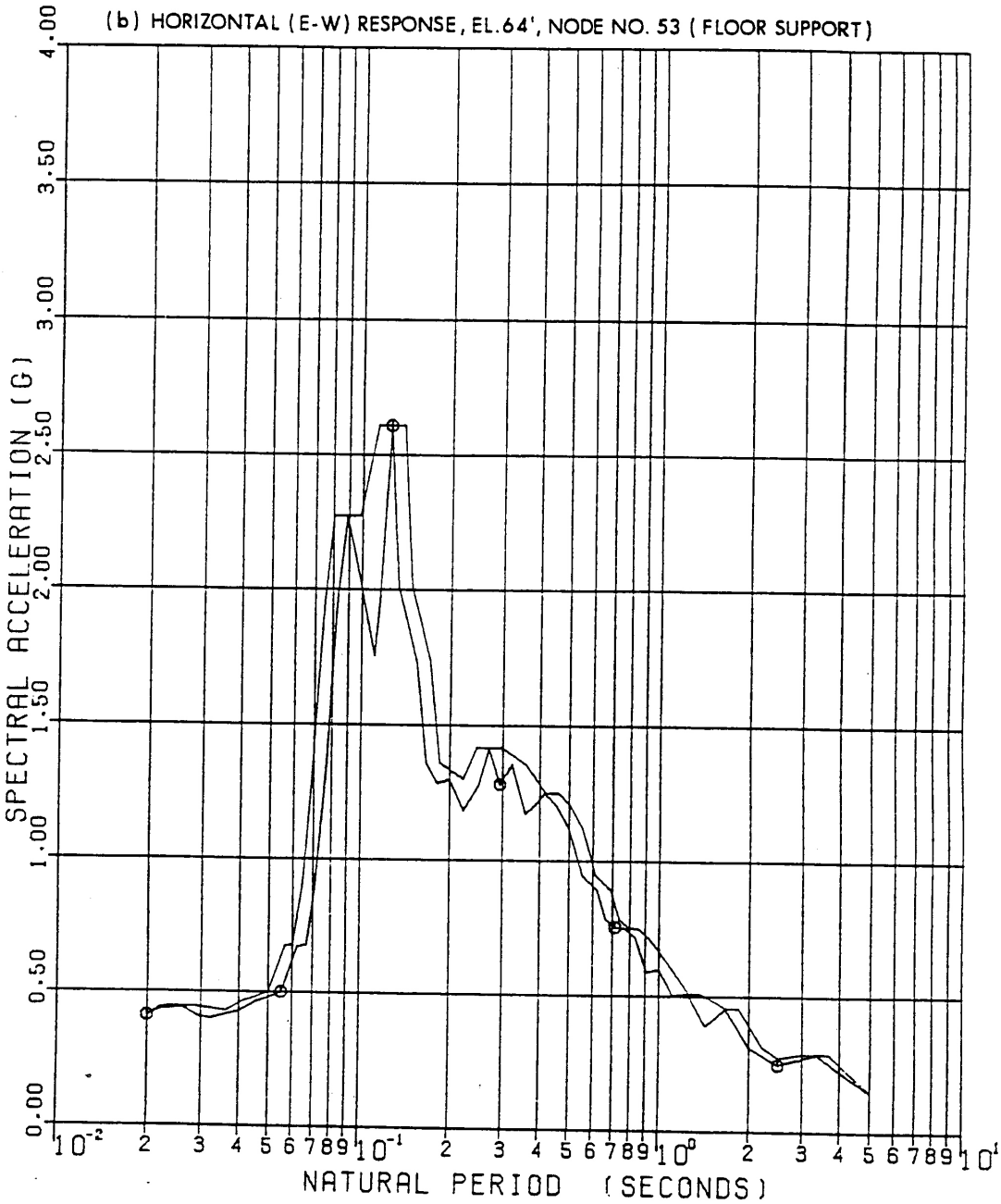
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Control/Diesel Generator Building - 7% Structural Damping; 2% Equipment Damping [8 Sheets]	
		Figure 3.7(B)-28 Sh 7 of 8



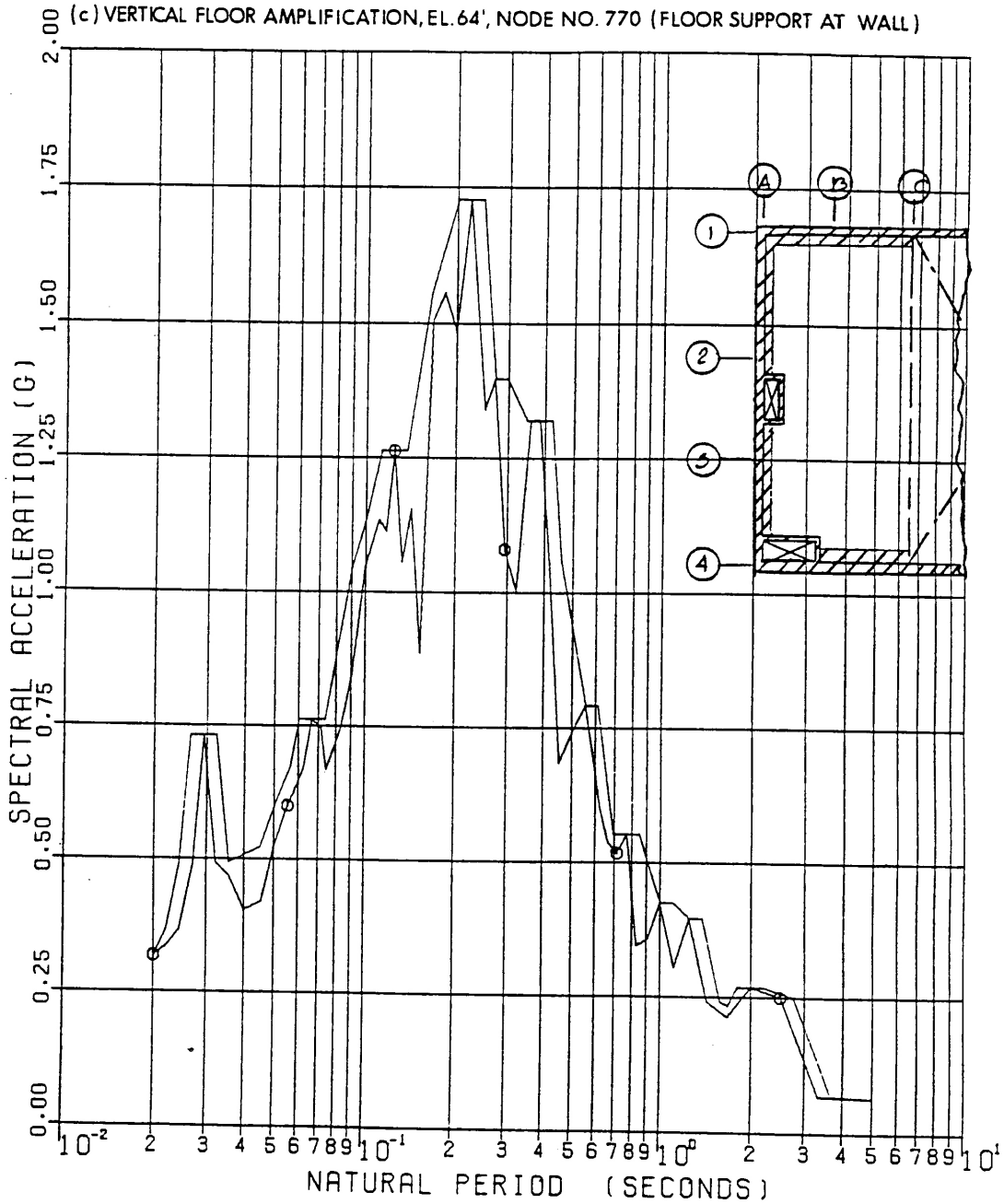
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Control/Diesel Generator Building - 7% Structural Damping; 2% Equipment Damping [8 Sheets]	
		Figure 3.7(B)-28 Sh 8 of 8



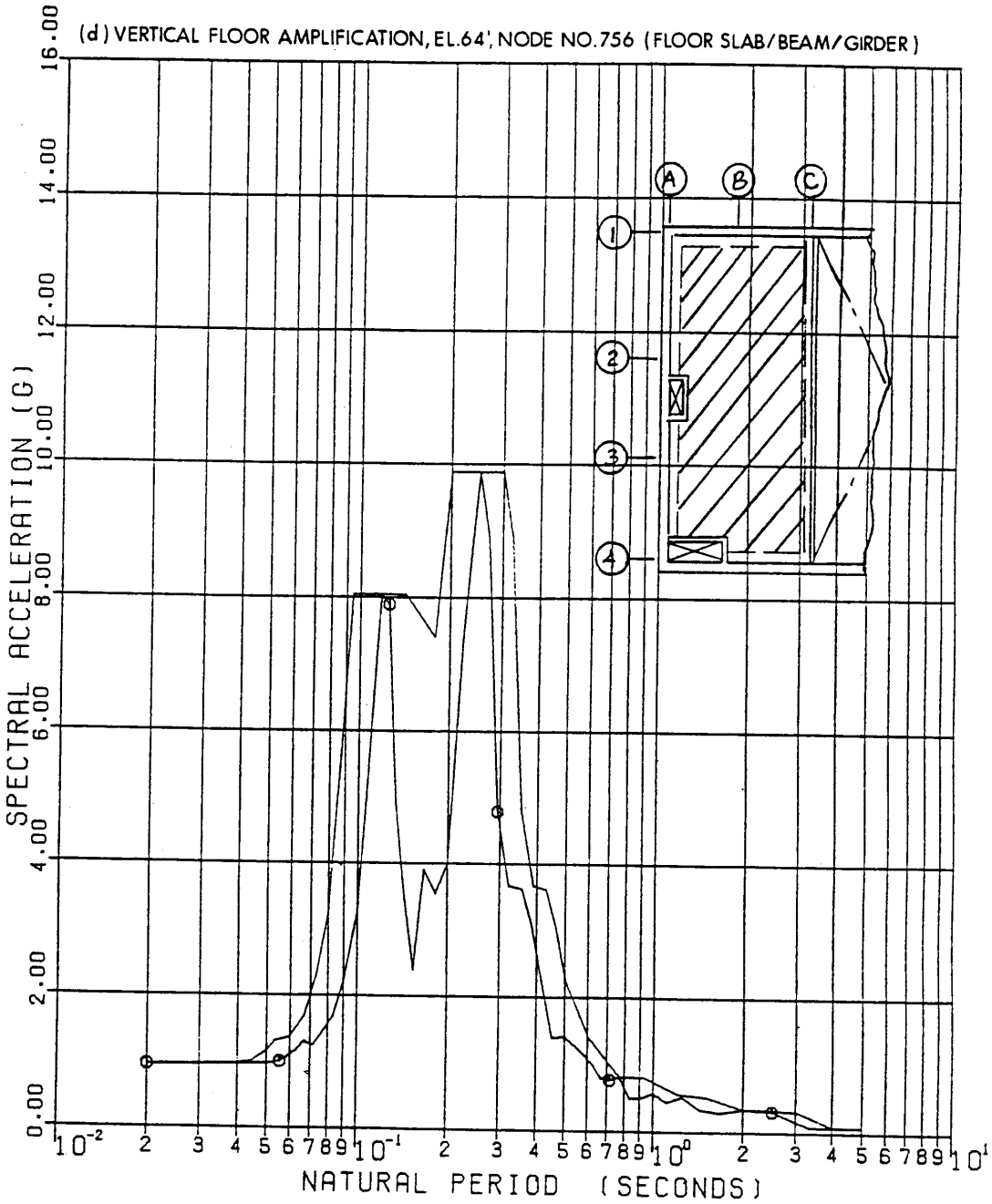
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Fuel Storage Building - 7% Structural Damping; 2% Equipment Damping [4 Sheets]	
		Figure 3.7(B)-29 Sh 1 of 4



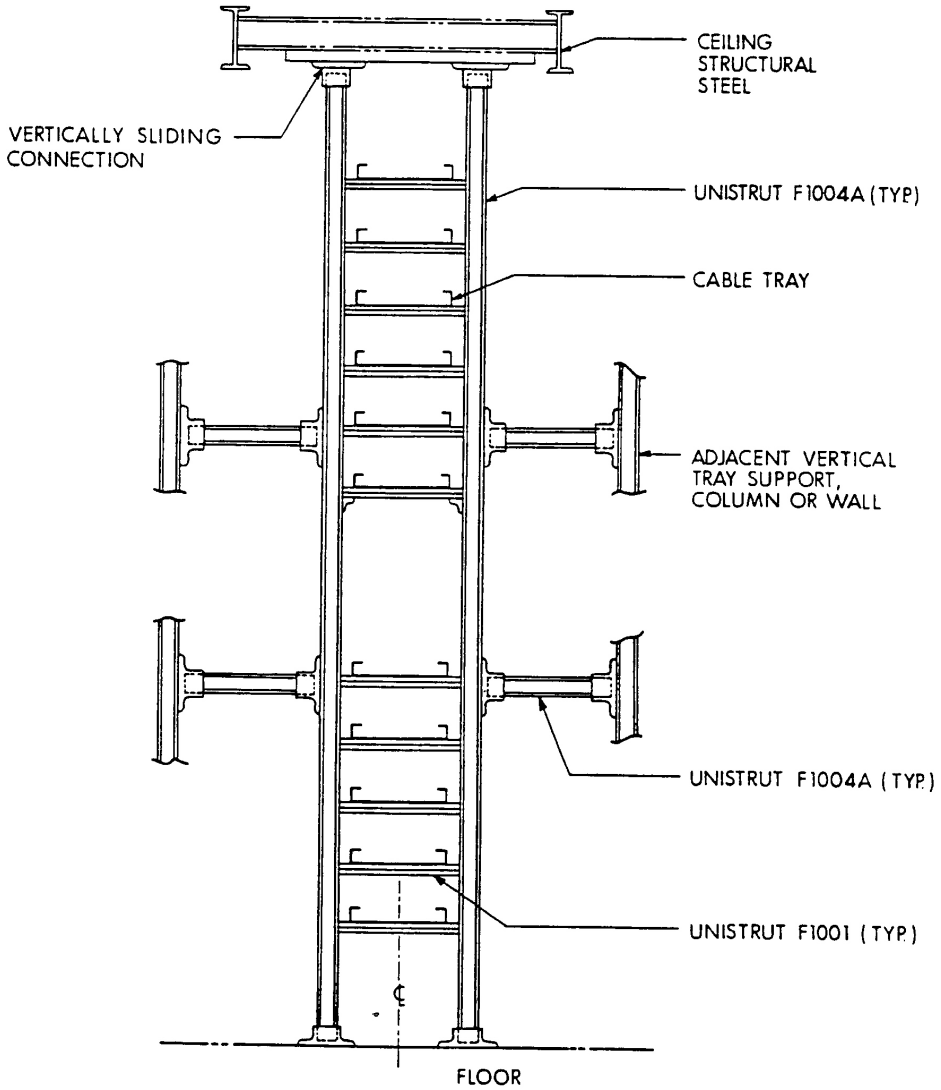
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Fuel Storage Building - 7% Structural Damping; 2% Equipment Damping [4 Sheets]	
		Figure 3.7(B)-29 Sh 2 of 4



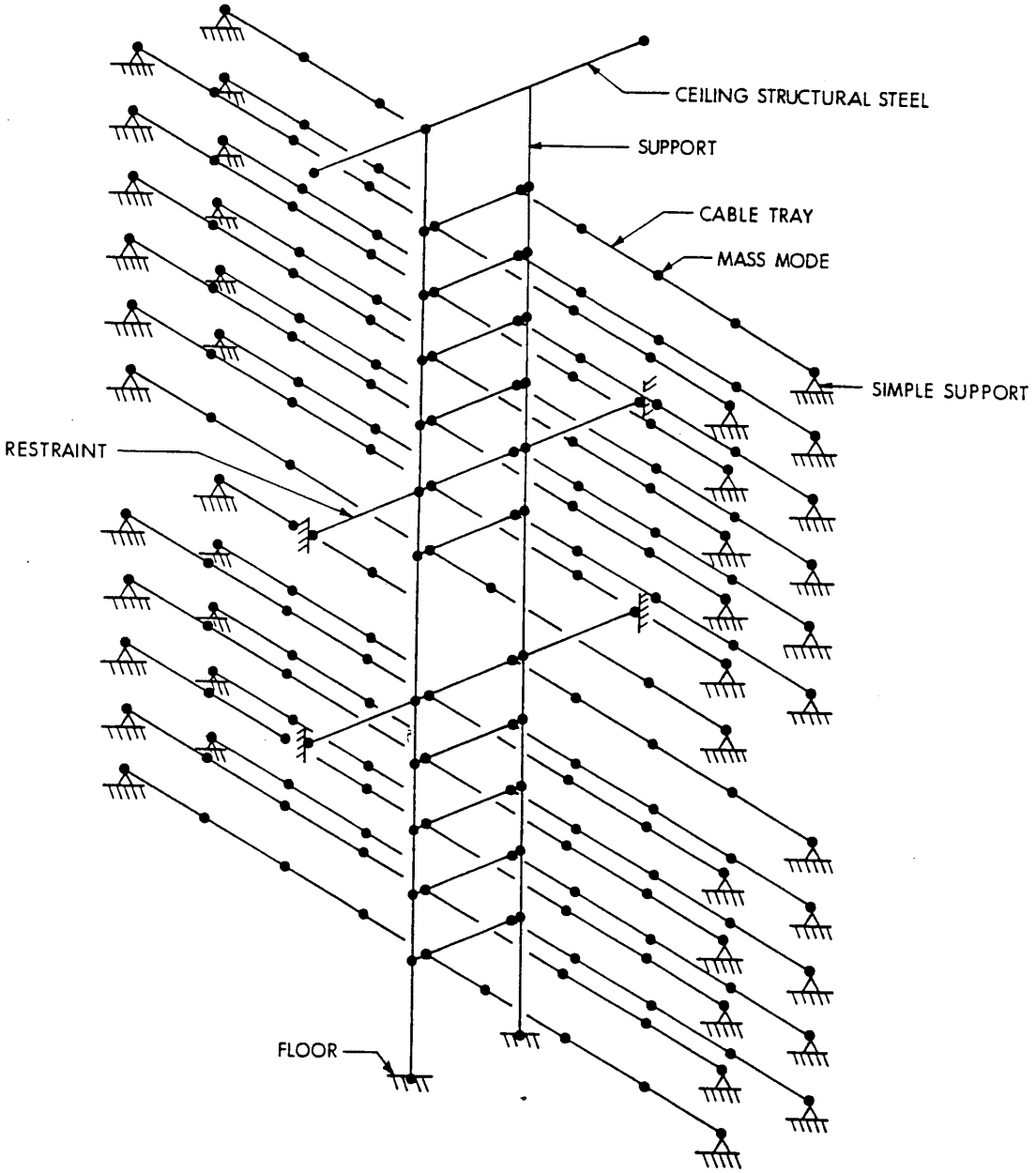
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Fuel Storage Building - 7% Structural Damping; 2% Equipment Damping [4 Sheets]	
		Figure 3.7(B)-29 Sh 3 of 4



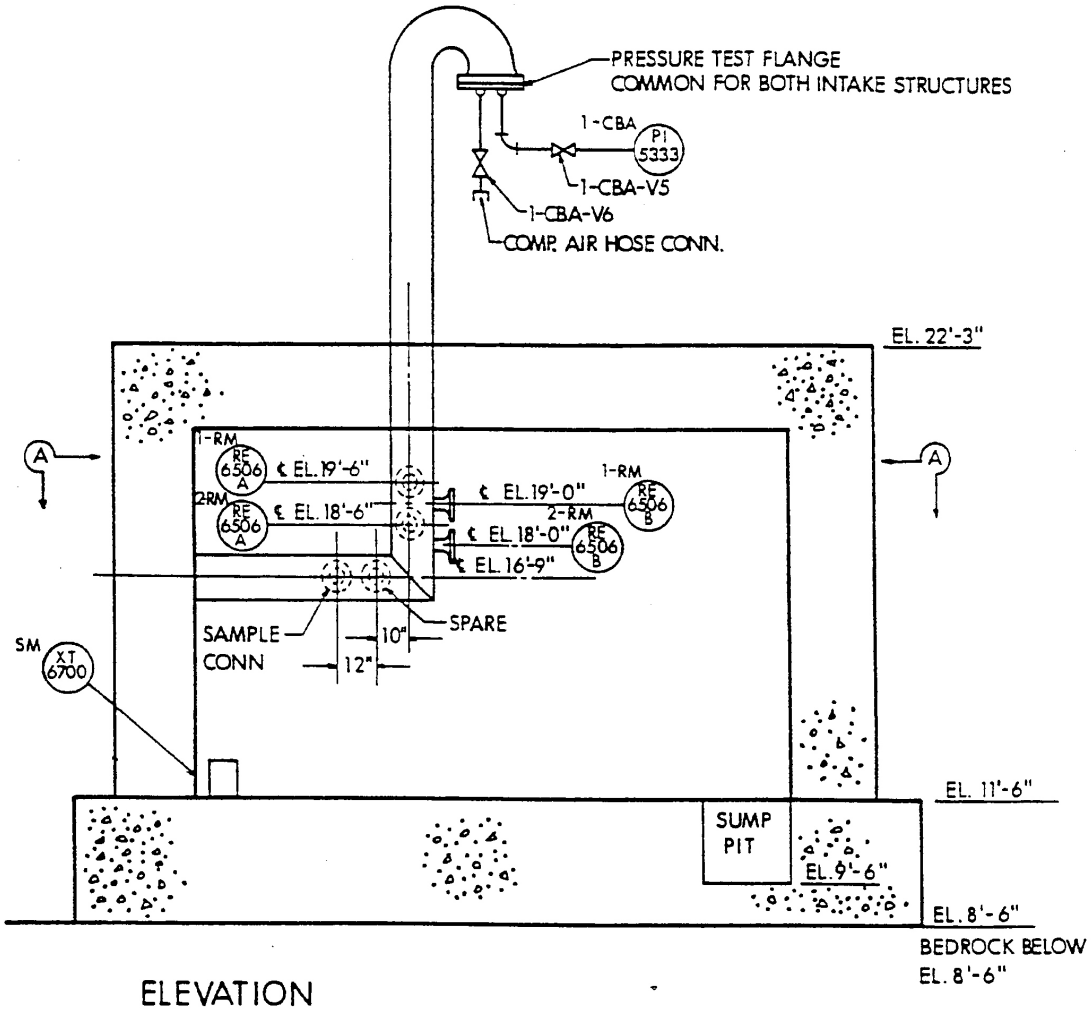
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Amplified Response Spectra - SSE - Fuel Storage Building - 7% Structural Damping; 2% Equipment Damping [4 Sheets]	
		Figure 3.7(B)-29 Sh 4 of 4



SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Typical Ceiling-to-Floor Supported Cable Tray System	
		Figure 3.7(B)-30



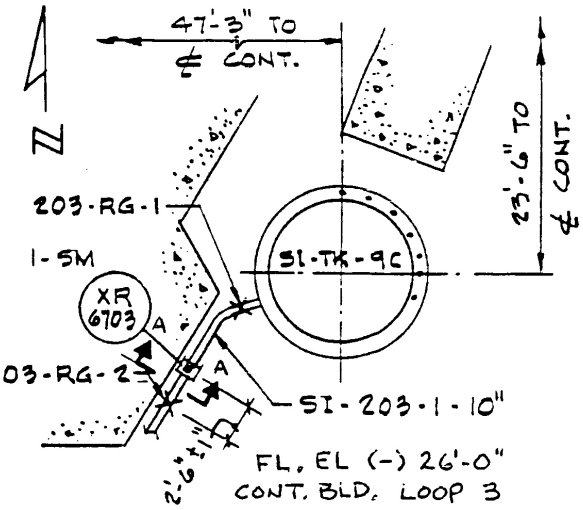
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Mathematical Model of Typical Ceiling-to-Floor Supported Cable Tray System	
		Figure 3.7(B)-31



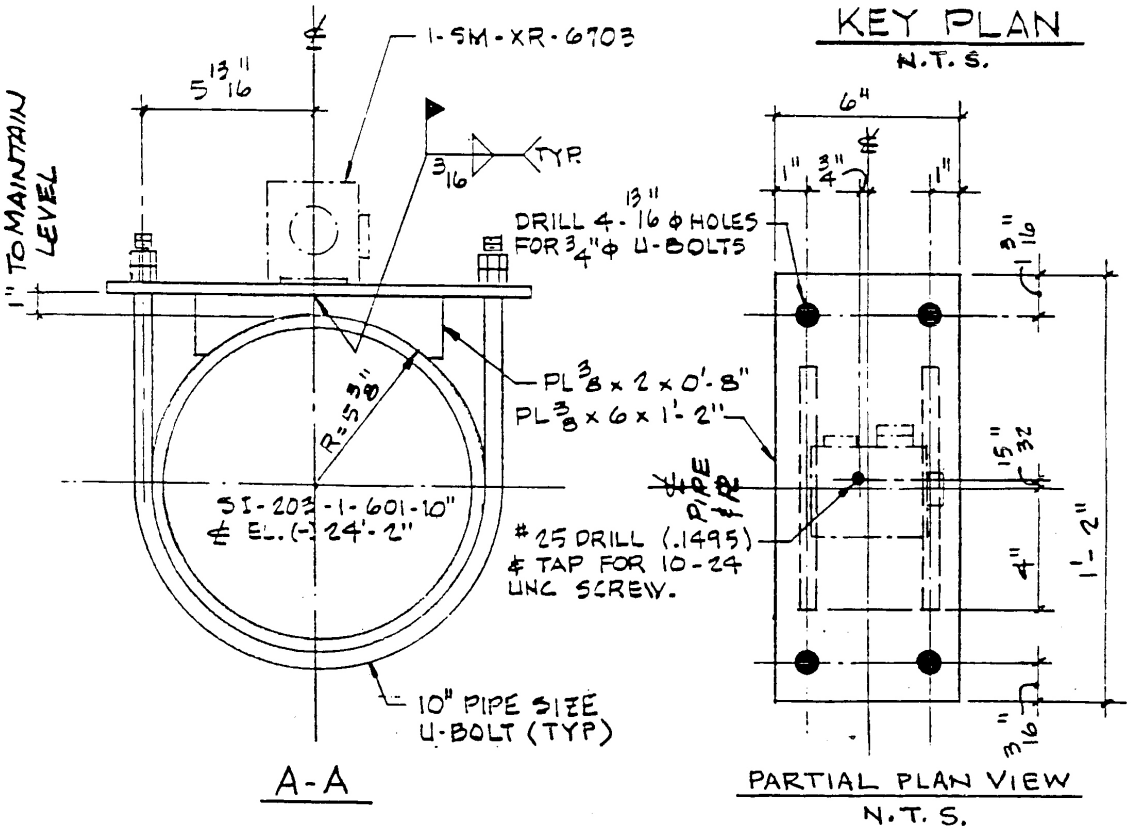
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Mounting Detail of Triaxial Time History Accelerograph, XT-6700, in East Air Intake Structure	
		Figure 3.7(B)-32

NOTES

1. TORQUE THE INST. MOUNTING SCREW TO 40 ± 10 IN-LBS
2. TORQUE U-BOLTS TO 80 FT-LBS ± 20
3. LEVEL MOUNTING PLATE WITHIN 1/4° (1/64" IN 3/½").
4. EDGE OF MOUNTING PLATE TO BE PARALLEL WITH ℄ OF PIPE.
5. ALIGN LONG SIDE OF INSTRUMENT PARALLEL WITH THE EDGE OF MOUNTING PLATE WITHIN 3° (1/4" IN 5").



KEY PLAN
N.T.S.

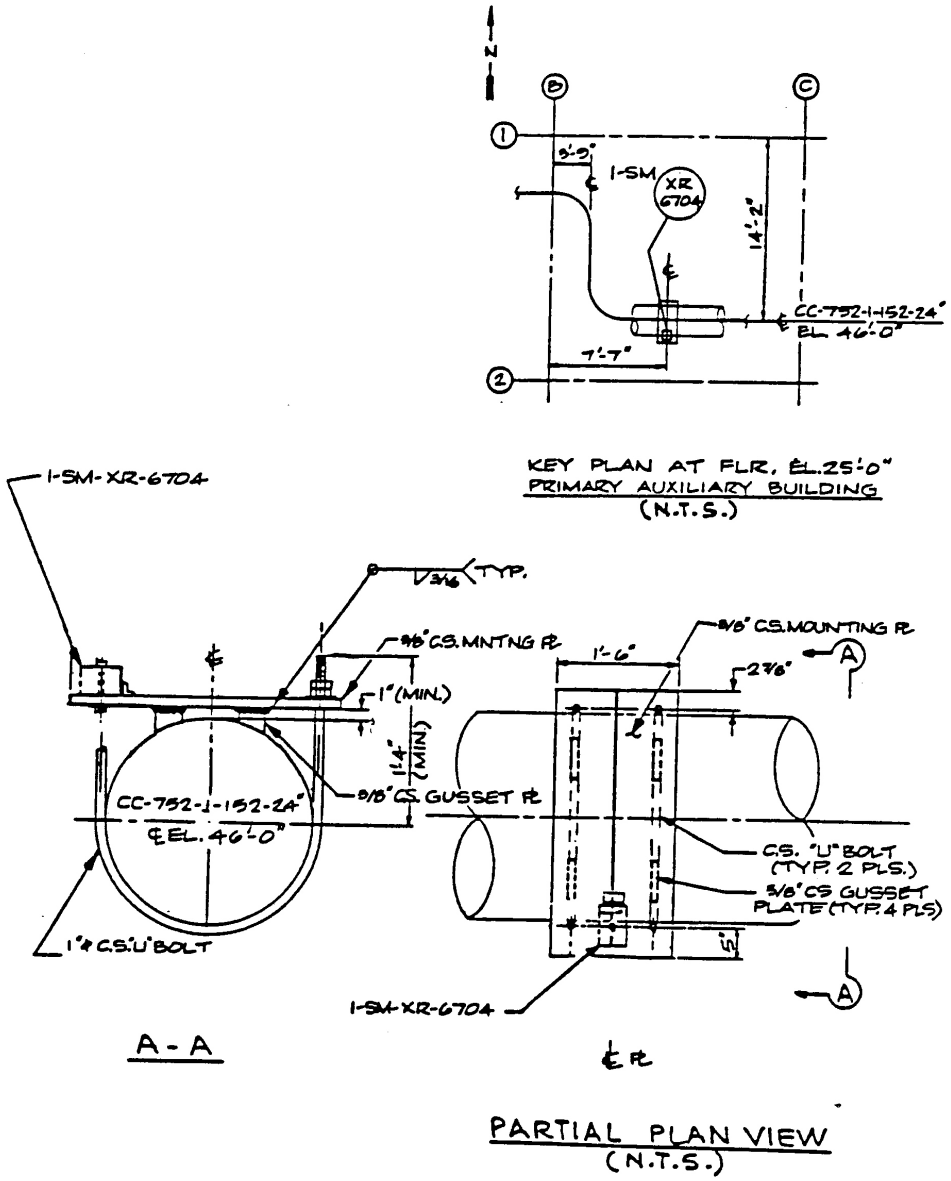


A-A

PARTIAL PLAN VIEW
N.T.S.

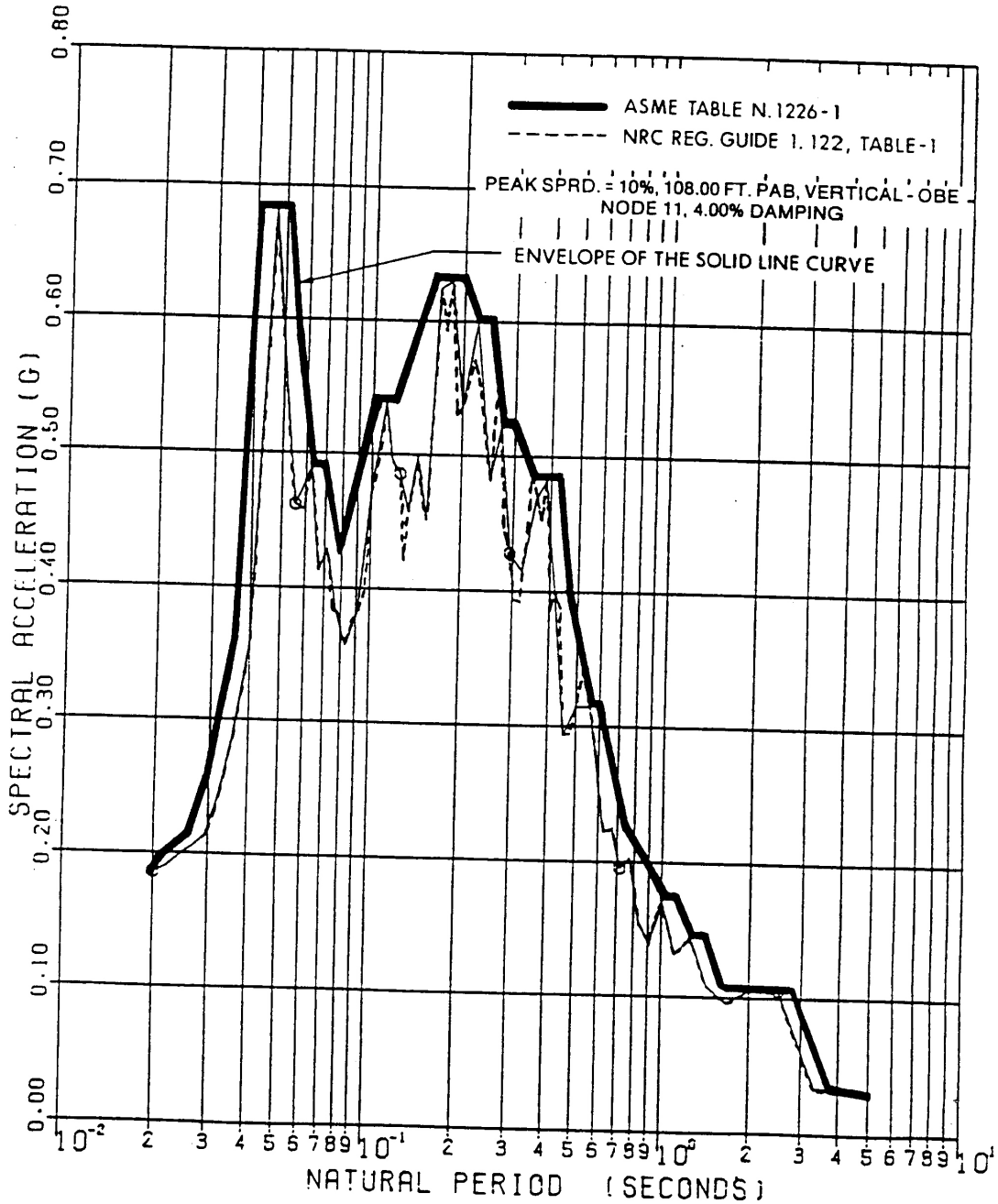
MOUNTING DETAIL

SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Mounting Detail of Triaxial Peak Accelerograph, XR-6703, on Safety Injection Piping (Line 203)	
		Figure 3.7(B)-33

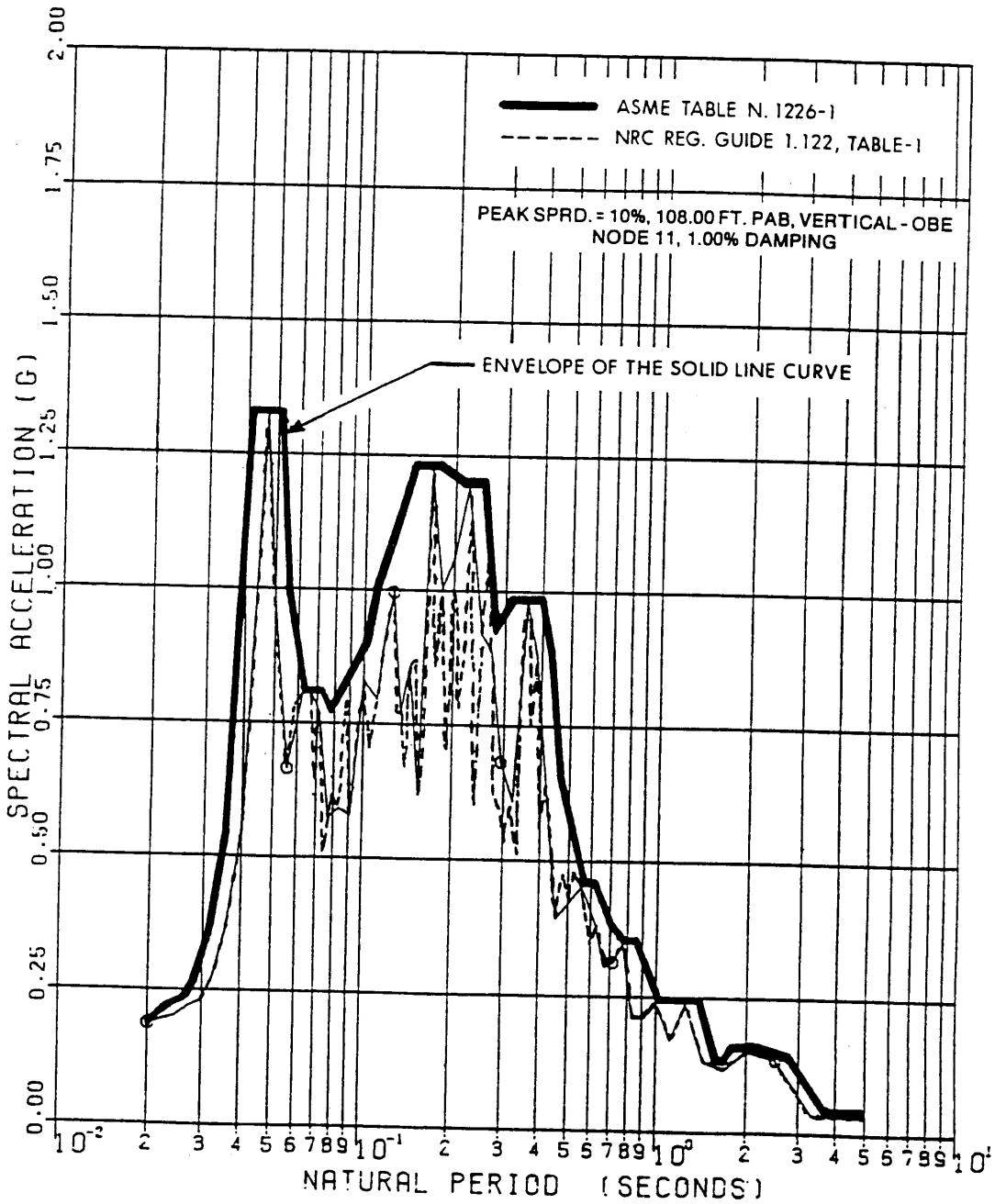


MOUNTING DETAIL

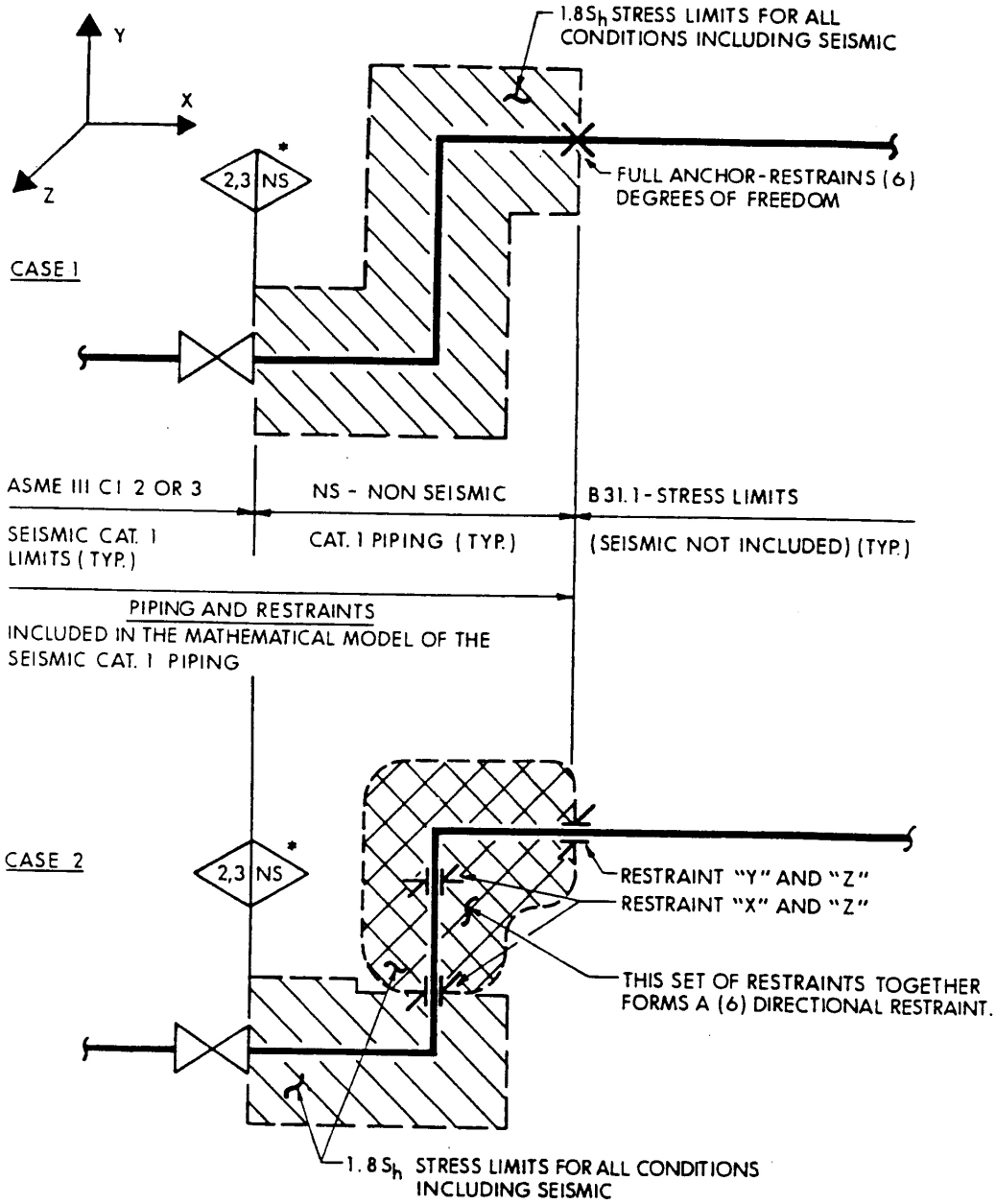
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Mounting Detail of Triaxial Peak Accelerograph, XR-6704, on PCCW Piping	
		Figure 3.7(B)-34



SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Primary Auxiliary Building Amplified Response Spectra (Vertical) OBE, 4% Damping	
		Figure 3.7(B)-35

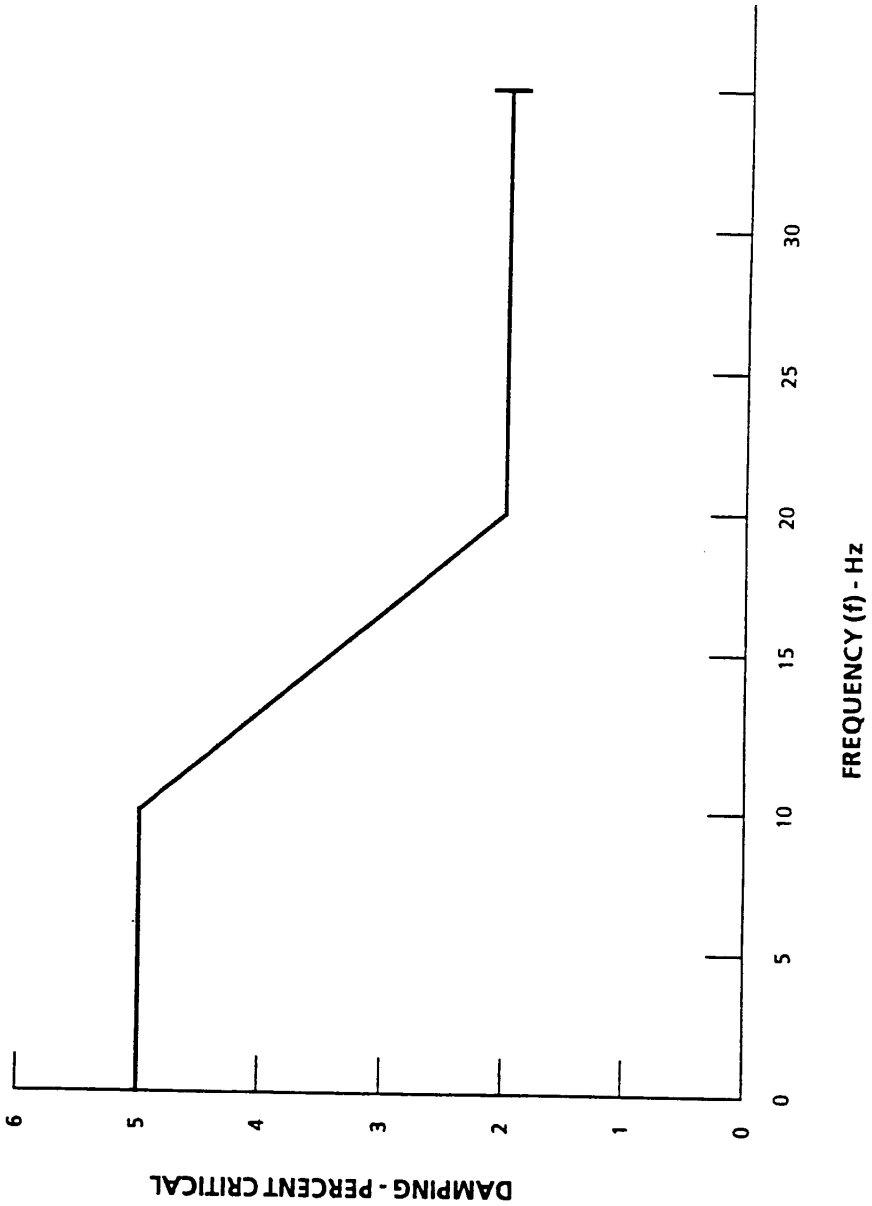


SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Primary Auxiliary Building Amplified Response Spectra (Vertical) OBE, 1% Damping	
		Figure 3.7(B)-36

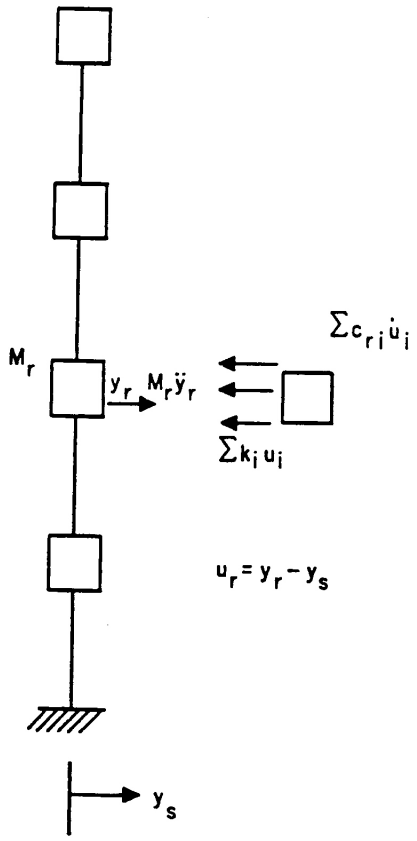


* SYMBOL INDICATES BOUNDARY BETWEEN ASME III CLASS 2 OR 3 AND NON-SEISMIC PIPING.

SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Typical Pipe Support Systems	
		Figure 3.7(B)-37



SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Alternative to Regulatory Guide 1.61 Damping Values	
		Figure 3.7(B)-38



SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Multi-Degree of Freedom System	
		Figure 3.7(N)-1