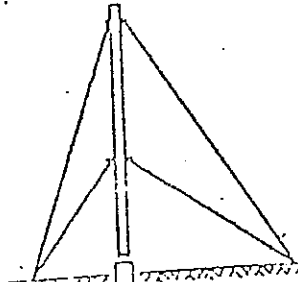
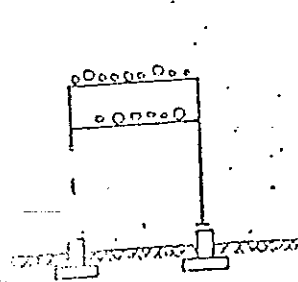
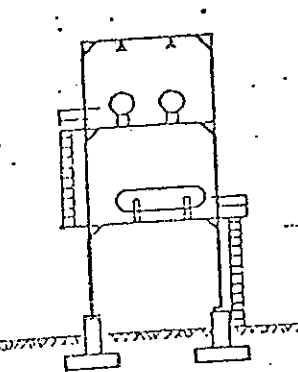
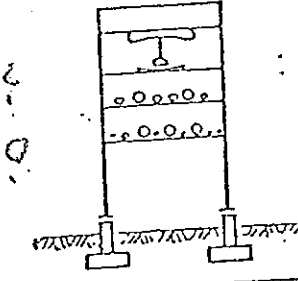
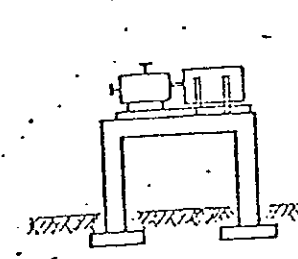
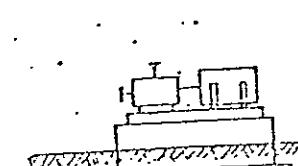
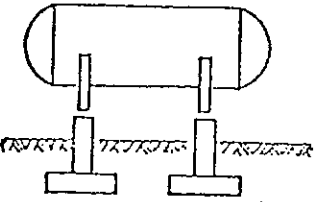
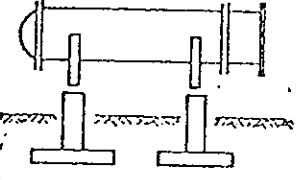
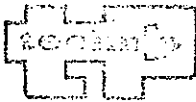


	DESCRIPTION	REMARKS	App. Seism. Coeff.
	<p>GUIDED FLARE STACK ON SPREAD FOOTING</p>	<p>Height of flarestack to be approx. 60 m' above grade Diameter of flarestack is approx. 16" to 20"</p>	<p>0.06 0.10</p>
	<p>PIPE RACK (STEEL OR CONCRETE) ON SPREAD FOOTINGS</p>	<p>Width of piperack - 8.00 m' Height of lowest level of piperack at least 6.00 m' above grade.</p>	<p>0.10 0.15</p>
	<p>STEEL AND CONCRETE STRUCTURES CARRYING EQUIPMENT ON SPREAD FOOTINGS</p>	<p>C.O.C. columns approx. 8.0 m' Platform levels at approx.: + 3 000 mm above grade + 6 000 " " " + 9 000 " " "</p>	<p>0.10 0.15</p>
	<p>AIRCOOLERS ON TOP OF PIPE RACK OR OTHER STRUCTURE ON SPREAD FOOTINGS</p>	<p>Top elevation of Aircooler at approximate 12.0 m' above grade</p>	<p>0.10 0.15</p>
	<p>COMPRESSORS ON CONCRETE TABLE TOP FOUNDATION</p>	<p>Table Top height is approx. 3.0 m' above grade</p>	<p>0.15 0.20</p>
	<p>PUMPS AND COMPRESSORS ON CONCRETE BLOCK</p>	<p>Foundations blocks projecting approx. 300 mm above grade</p>	<p>0.15 0.20</p>

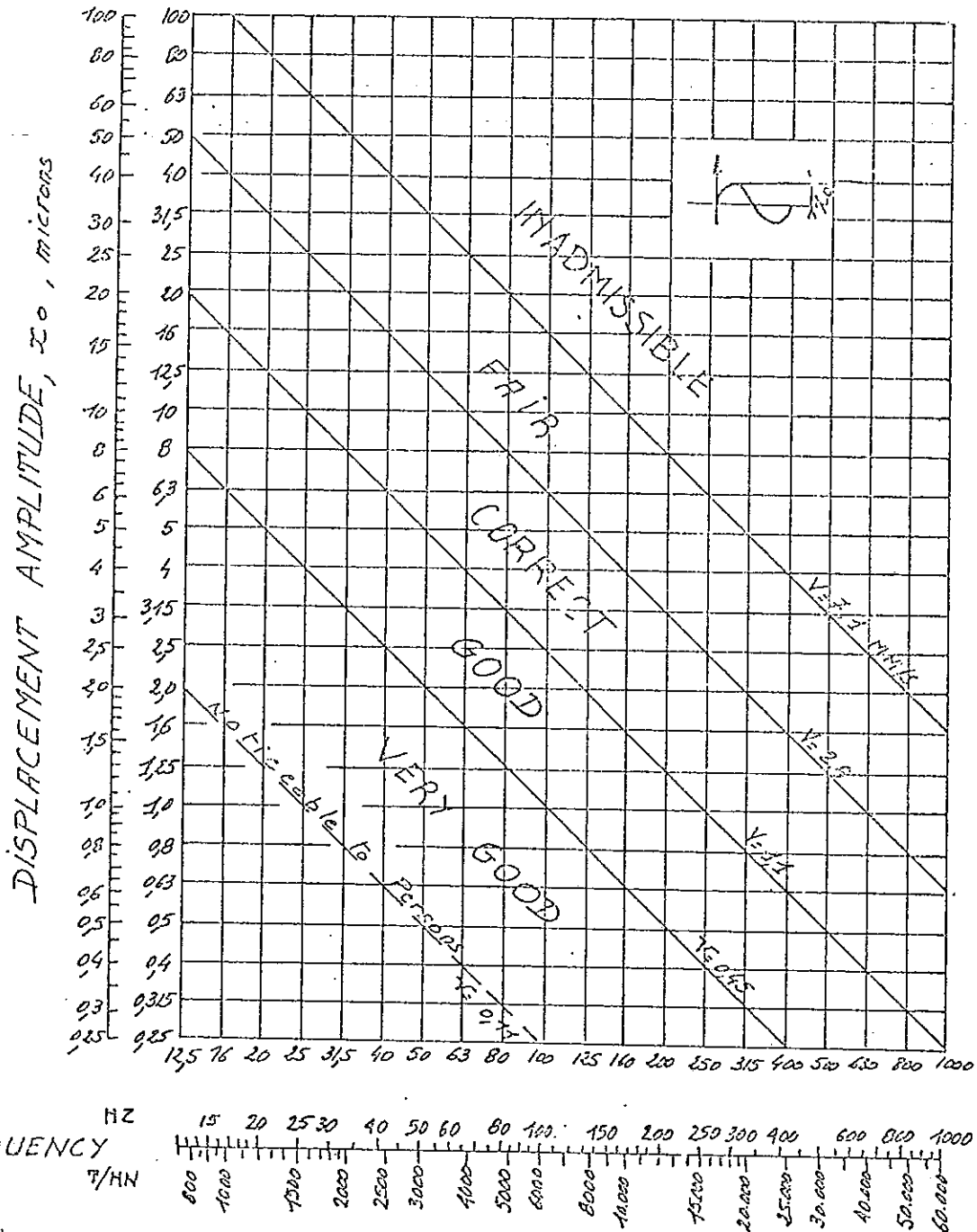
	DESCRIPTION	REMARKS	Ar Sei Coe
	<p>HORIZONTAL PROCESS VESSELS ON SPREAD FOOTINGS</p>	<p>Underside of vessel from 1 000 mm to 3 000 mm above grade</p>	<p>0. 0.</p>
	<p>HORIZONTAL EXCHANGERS ON SPREAD FOOTINGS</p>	<p>Underside of Exchangers approximate 1 000 mm above grade</p>	<p>0. 0.</p>
<p>REMARKS:</p>	<p>a) hard foundation soil b) soft foundation soil c) dynamic analysis strongly advisable</p> <p>i) the figure indicated as applicable seismic coefficient should be taken as rough values for a first design approach and they refer to ultimate design criteria. ii) dynamic analysis should be performed for maximum horizontal ground accelerations of 0.20g for soft soils and 0.15g for hard soils.</p>	<p>8/8/73</p>	

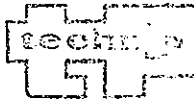


DIRECTION INDUSTRIELLE	INSTRUCTIONS FOR DESIGN AND CONSTRUCTION	PAGE	REV.	DATE
5377.V.BES.1730.1	CONCRETE FOUNDATIONS & STRUCTURES (CALCULATIONS)	17	0	21/2/75

Figure n° 1.

CRITERIA FOR VIBRATIONS OF CENTRIFUGAL MACHINERY





DIRECTION INDUSTRIELLE	INSTRUCTIONS FOR DESIGN AND CONSTRUCTION	PAGE	REV.	DATE
5377.V.BES.1730.1	CONCRETE FOUNDATIONS & STRUCTURES (CALCULATIONS)	18	0	21/2/77

Figure n° 2

CRITERIA FOR VIBRATIONS OF RECIPROCATING MACHINERY

