SCHEDULE 2.6
Evaluation of the maximum authorized particle speed, of the distance between blasting and buildings or of the acceptable frequency of vibrations *(s. 4.7.5)*

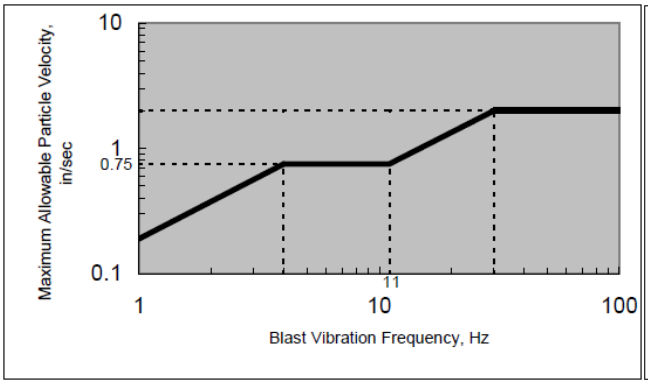
The employer must comply with the prescribed limits, according to one of the following 3 methods:

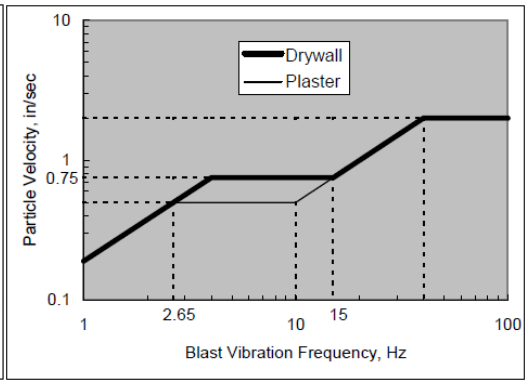
1. in the table below:

TABLE 2.6.1 - MAXIMUM AUTHORIZED PARTICLE SPEED ACCORDING TO THE DISTANCE OF STRUCTURES	
Distance from blasting site	***Maximum speed authorized***
0 to 90 m (300 ft)	*31.75 mm/s (1.25 in/s)*
91 to 1,524 m (301 to 5,000 ft)	*25.4 mm/s (1 in/s)*
1.525 m and more (5,000 ft)	*19 mm/s (0.75 in/s)*

2. in one of the graphs below:

GRAPHS 2.6.2 - ESTIMATE OF THE MAXIMUM AUTHORIZED PARTICLE SPEED ACCORDING TO THE FREQUENCY OF VIBRATION (IN/S)





The employer must use, according to the manufacturer's instructions, a seismograph to monitor the velocity of particles to ensure the compliance of the results with table 2.6.1 or graphs 2.6.2 as provided above. The method for monitoring vibrations and the calculation of frequency must be approved by an engineer.

3. in the proportionate distance equation shown in the table below:

TABLE 2.6.2 - COMPUTATION OF THE MINIMUM DISTANCE TO BE KEPT BETWEEN A STRUCTURE AND A BLASTING BASED ON EXPLOSIVE LOAD		
Distance from blasting site	***Maximum quantity of explosives fired in less than 8 milliseconds***	
	Metric Units (W in kg and D in m) Impériale	***English Units (W in lb and D in ft)***
Less than 92 m (300 ft)	$W = (D/22.6)^2$	$W = (D/50)^2$
92 to 1,524 m (301 to 5000 ft)	$W = (D/24.9)^2$	$W = (D/55)^2$
More than 1,524 m (5000 ft)	$W = (D/29.4)^2$	$W = (D/65)^2$

W = Maximum quantity of explosives (in kilograms or pounds) that may detonate in less than 8 milliseconds.
D = Distance to be kept between the blasting area and the closest structure to be protected.