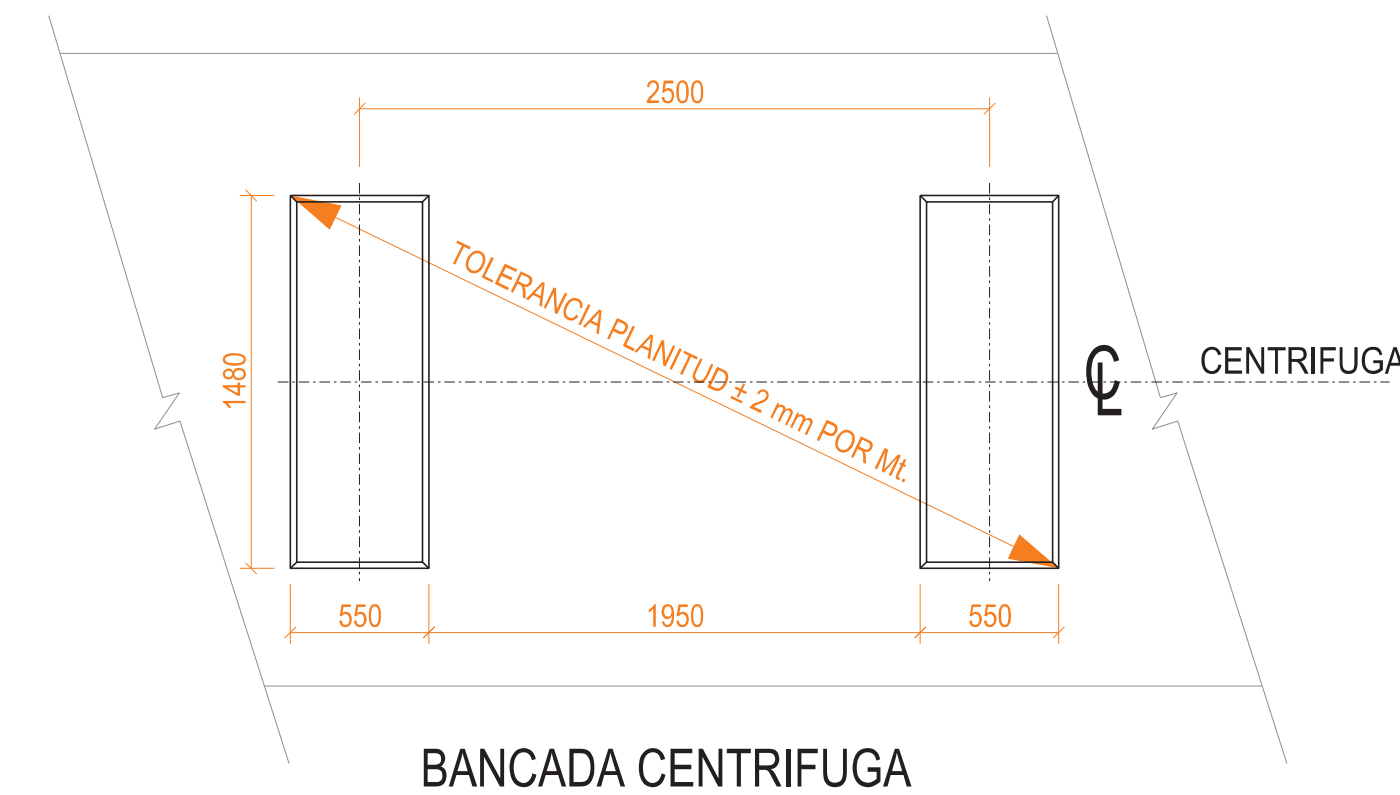
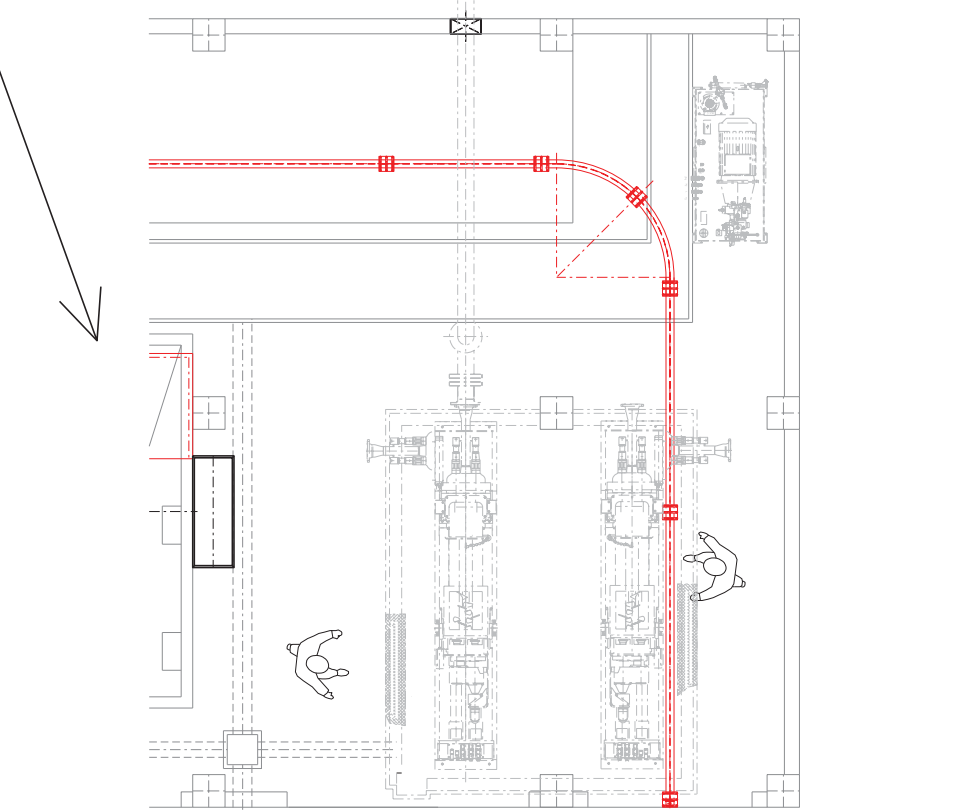


PLANTA

| CENTRIFUGA - Theoretical total load to distribute among the 4 isolators (in normal operation)            |             |  |               |             |                 |                |
|--|-------------|--|---------------|-------------|-----------------|----------------|
| Static load  |             | Vertical dynamic load in daN. Cycling force equivalent to imbalance perpendicular to the rotor axis and applied on the center of gravity |               |             |                 |                |
| Weight of empty machine  | 3300 daN    | In normal operation  | Machine speed | Equi. Freq. | Before isolator | After isolator |
| x 1.2 (with product)   | 3960 daN    |  | 2500 tr/min   | 41,7 Hz     | ± 295 daN       | ± 6 daN        |
|  |             |  | 3000 tr/min   | 50,0 Hz     | ± 364 daN       | ± 7 daN        |
|  |             | 3500 tr/min  | 58,3 Hz       | ± 410 daN   | ± 8 daN         |                |
|  |             | At isolators resonance   | 400 tr/min    | 6,7 Hz      | ± 47 daN        | ± 330 daN      |
| Total practical load to consider for calculation of the foundation (to distribute among the 4 isolators) |             |  |               |             |                 |                |
| Vertical   | Static =    | 3300 daN x 1.2 = 3960 daN  |               |             |                 |                |
|  | + DYNAMIC = | 3960 daN x 10% = 396 daN   |               |             |                 |                |
| Horizontal   | Total =     | 4356 daN   |               |             |                 |                |
|  | DYNAMIC =   | 3960 daN x 5% = 396 daN  |               |             |                 |                |
| (*) while shut down of machine and in case of abnormal or accidental unbalance                           |             |  |               |             |                 |                |



BANCADA CENTRIFUGA



SOLUCION CON DOS BOMBAS DE PISTON Y CENTRAL HIDRAULICA