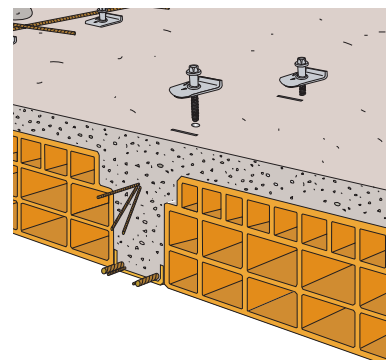


# Request for the calculation of a floor structure

Date: \_\_\_\_\_  
 Client: \_\_\_\_\_  
 Designer: \_\_\_\_\_  
 N° tel. - fax. e-mail \_\_\_\_\_  
 \_\_\_\_\_



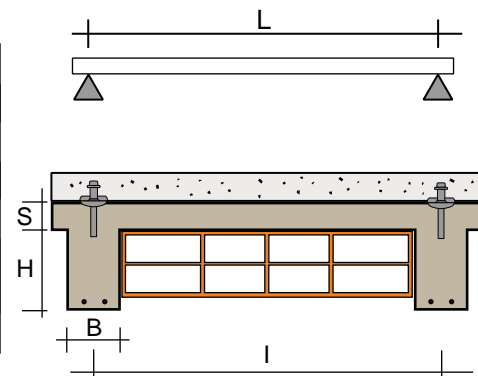
If all the required information is not readily available at this moment, we shall hypothesize a solution using cautious data which must be verified before the intervention takes place.

## DETAILS OF THE EXISTING STRUCTURE

|                          |  |  |
|--------------------------|--|--|
| <b>Structural system</b> | <input type="checkbox"/> TWO SUPPORTS  | <input type="checkbox"/> Simple Support                    |
|                          | <input type="checkbox"/> CONTINUOUS SUPPORTS<br>(specify the number and the lengths of each span, attach a drawing if possible). | <input type="checkbox"/> Fixed Support<br>N°            cm |
| <b>Geometry</b>          | Net span of the joists   | L            cm  |
|                          | Section of joists (width x height - no concrete slab)  | BxH        cm  |
|                          | Distance between joist centres   | I            cm  |
|                          | Thickness of existing concrete slab (if applicable)  | S            cm  |
|                          | Lower reinforcement - in centre of beam:(N° of bars, Ø, area and thickness of concrete covering)                                 |  |
|                          | Upper reinforcement - at the support:(n°, area and thickness of concrete covering)   |  |
| <b>Materials</b>         | Concrete: type and class (resistance)  | MP <sub>a</sub>  |
|                          | Steel: admissible tension  | MP <sub>a</sub>  |
| <b>Loadings</b>          | Loadings for which the floor has been calculated (only if there are no reinforcement bars)                                       |  |
|                          | Self weight of structure   | Kg/m <sup>2</sup>  |
|                          | Dead weights   | Kg/m <sup>2</sup>  |
|                          | Live loads   | Kg/m <sup>2</sup>  |
| <b>Other Information</b> | Construction Date of the building  |  |
|                          | Location of the Building   |  |
|                          | Size of the intervention in square metres  |  |

## DETAILS OF THE INTERVENTION

|   |  |                   |
|---|--|-------------------|
| <b>Fixed Loads</b><br>excluding self weight | Screed   | kg/m <sup>2</sup> |
|   | Floor finish   | kg/m <sup>2</sup> |
|   | Partitions   | kg/m <sup>2</sup> |
|   | Other loads  | kg/m <sup>2</sup> |
| <b>Live loads</b>                           |  | kg/m <sup>2</sup> |
| <b>Temporary works</b>                      | The floor structure must be supported with formwork until the concrete dries |                   |
| <b>Thickness</b>                            | Total acceptable thickness of the new floor structure                        | cm                |



If it is possible, please attach a plan of the floor which is to be strengthened, indicating a typical section of the beams, the dimensions and position of the reinforcement bars and any other useful information to help giving a correct dimensioning. please mention the reason for undertaking the reinforcement.

Space for any drawings or notes

Please send by fax at: + 39 (0)424.502386



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