

## 5.2 The drawings' title block

The title block is a very important element because it is the first page of a folded drawing therefore, it must provide, at a glance, all the necessary information that regard the drawing.

QUANTITIES ESTIMATION	
<u>Concrete C30/37</u>	
Columns:	4,00m <sup>3</sup>
Beams-Slabs:	41,00m <sup>3</sup>
Stairs:	2,30m <sup>3</sup>
<u>Formworks</u>	
Columns:	123,0m <sup>2</sup>
Beams-Slabs:	257,0m <sup>2</sup>
Stairs:	17,0m <sup>2</sup>
<u>Columns steel</u>	
Rebars B500c:	1.680kg
Stirrups B500c:	750kg
<u>Beams-Slabs steel</u>	
Rebars B500c:	2.080kg
Stirrups B500c:	370kg
<u>Cantilever lightweigh mesh</u>	
Sh131 (4 items)	86kg

  

6	ROOF
5	4th FLOOR
4	3rd FLOOR
3	2nd FLOOR
2	1st FLOOR
1	MEZZANINE
0	GROUND FLOOR
-1	BASEMENT
F	FOUNDATION

  

employer:	EARTHQUAKE RESISTANT BUILDINGS
project:	Drawings sample
location:	VOLUME A'
engineers:	The Author's Team

  

Project type:	<b>STATIC AND DYNAMIC ANALYSIS</b>	date:	03/06/10
Project phase:	DETAILING	Drawing number:	<b>C.50</b>
Drawing subject:	<b>MEZZANINE CEILING FORMWORK</b> level "1": <b>+5.500</b>	Drawing:	CARPENTER
Scale:	1:50 1:20	Project name:	bkGR
		Revision code:	

  

ARCHITECTURAL PROJECT:	Stamp, signature:
STATIC ANALYSIS PROJECT:	
ELECTRICAL-MECHANICAL PROJECT:	

*The title block of the drawing C.50*

The sketch is very useful as it indicates the floor that each drawing regards and presents the construction's progress.

The title block provides information about the concrete grade and the steel class that will be used in the construction of that specific floor.

The quantities of each floor are very important not only for the materials' orders but also for the estimation of the labor required for the formwork and reinforcement implementation. It is helpful to mention, individually, the quantities of every constructional phase e.g. the columns have their own quantities because as a rule, they are constructed separately from the beams and the slabs.

### 5.3 Carpenter's drawings

The carpenter's drawings present the construction of the structural frame from a geometrical point of view. Since they are closely related not only to the architectural but also the structural design of the building, they derive from the cooperation of the architect with the civil engineer.

The formwork's detailing includes accurate drawings, plans views and sections and if necessary 3D drawings-figures. These drawings also include the necessary quantities of materials-labor.

#### 5.3.1 EXCAVATIONS and FOUNDATION FLOOR (Drawing C.10)

The personnel responsible for the formwork's assembling must be notified of the excavation drawing because every possible mistake during the excavations will have an effect upon the formworks' implementation.

The building's foundation is faintly presented in the excavation drawing so as to confirm the general dimensions of the excavation. Moreover, this helps the growth of the building's entire concept in all the materialization bodies involved in the work.

