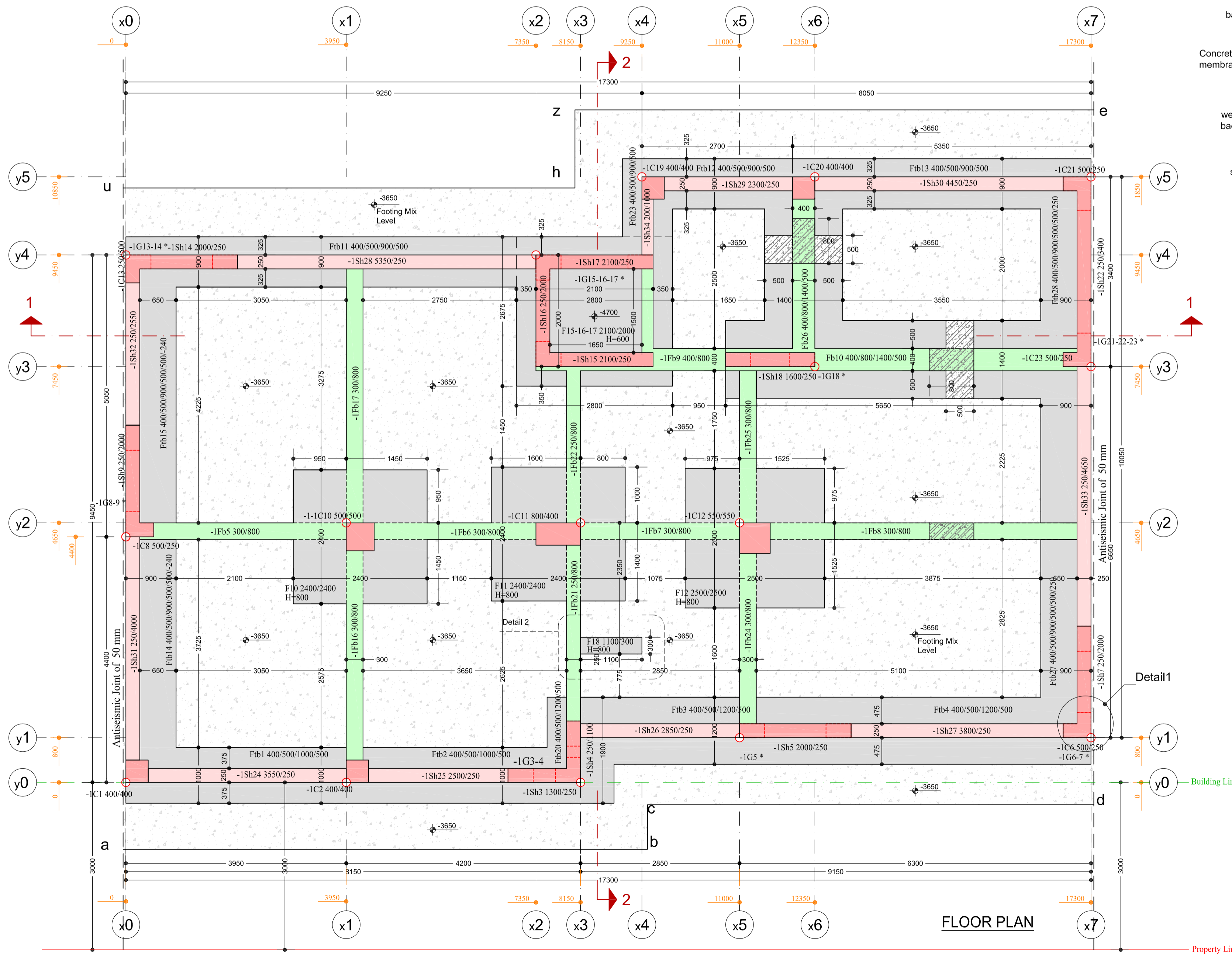
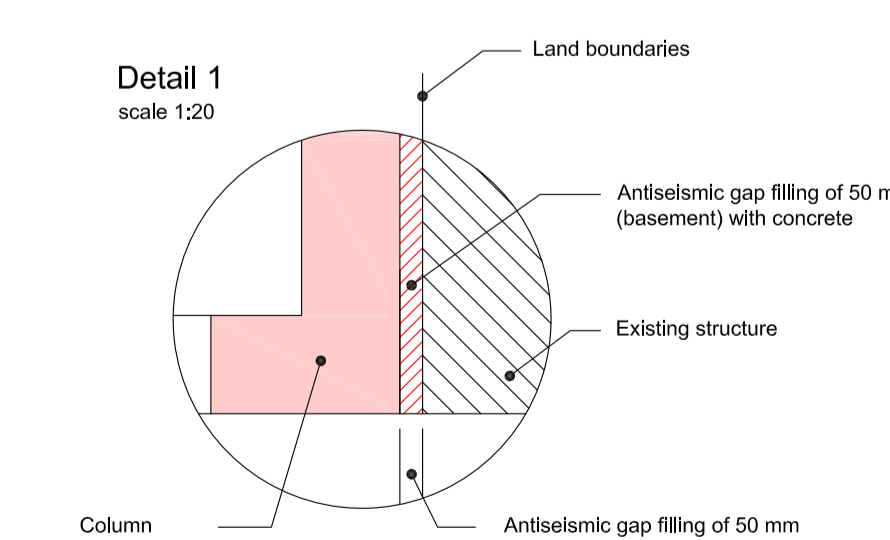
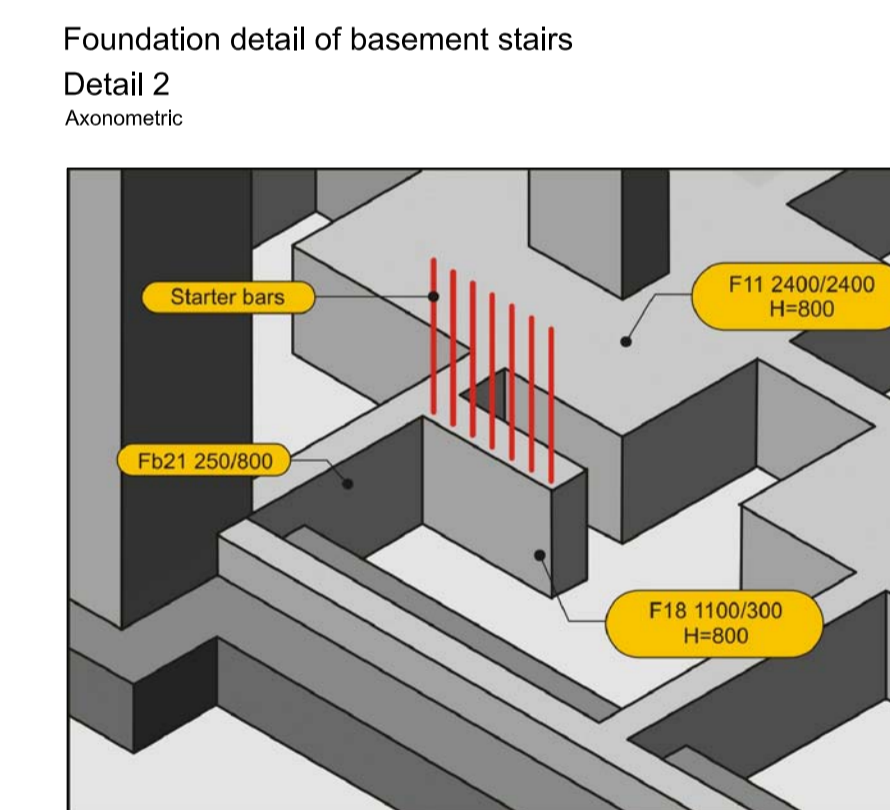


CONCRETE SPECIMENS ACQUISITION INSTRUCTION
(According to C.T.R. ORDER 315B/15-4-97)

- 6 cubic specimens should be taken in every concreting phase
- The acquisition of the specimens is the responsibility of the contractor and the owner to whom this order is addressed to.
- The specimens should be taken from the moulds 20 to 32 hours after their acquisition and must be immediately transferred to the certified laboratory.
- The owner and the supervising engineer must be notified about the testing results.

COMMENTS

1. The dismantling of all side formworks of beams, columns, slabs and shear walls must be conducted, after at least 48 hours from their placement. In any case, the formworks should only be dismantled with the approval of the supervising engineer.
2. The contractor, the possible super contractors and the project manager ought to be sufficiently informed about the approved from the corresponding authority Health and Safety plan, prior to the beginning of construction works and must follow all safety instructions described in the plan. Furthermore, it is their responsibility to inform all personnel about their obligations and rights according to the Health and Safety regulations and insure the proper implementation of the regulations.



QUANTITIES ESTIMATION

| | | | | | |
|------------------------------------------|--------------------|-------------------------------------------------|--------------------|----|--------------|
| Foundation concrete C30/37: | 61 m ³ | Basement floor membrane: | 200 m ² | 6 | ROOF |
| Formworks: | 167 m ² | Basement concrete floor: C30/37 : | 25 m ³ | 5 | 4th FLOOR |
| Rebars steel: | 4.200 kg | Basement floor rebars steel B500A: | | 4 | 3rd FLOOR |
| Stirrups steel: | 1.010 kg | 40 meshes T196 (5000x2150, 335 kg/mesh 1340 kg) | | 3 | 2nd FLOOR |
| External embankment: | 140 m ³ | | | 2 | 1st FLOOR |
| Internal embankment (until depth -3.05): | 60 m ³ | | | 1 | MEZZANINE |
| Gravel embankment: | 25 m ³ | | | 0 | GROUND FLOOR |
| | | | | -1 | BASEMENT |

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

| | | | |
|------------------|----------------------------------------|-----------------|----------|
| Project type: | STATIC AND DYNAMIC ANALYSIS | date: | 03/06/10 |
| Project phase: | DETAILING | Drawing number: | C.20 |
| Drawing subject: | FOUNDATION FORMWORK and basement floor | | |
| Scale: | 1:50 1:20 | Project name: | bkGR |
| | | Revision code: | |

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