

REPUBLIKA E SHQIPËRISË

STRUCTURAL REPORT

" RICONSTRUCTION OF 2 STOREY BUILDING ADISA, KOMBINAT, TIRANE "

TIRANË 2018

**OBJECT: RECONSTRUCTION OF 2 STOREY BUILDING FOR
ADISA,KOMBINAT, TIRANE.**

INVESTOR: ADISA

ARCHITECTURAL STUDIO: ARCHI-SPACE SHPK , REBUS SHKP

In this structural report we will deal with the reconstruction of 2 storey facilities for ADISA

For the reconstruction of the 2 storey building, some changes are required in the layouts of the floor of the building. Taking into account the requirements of the design task and the design codes and the standards for the public service premises, there will be several door openings, walls opening.

These changes are local and do not affect the whole structure of the facility.

However, in the places where these openings will be performed, we will have reinforcements with reinforced concrete elements. All the details of the methodology, deployment, and construction of rcc elements are presented in the constructive project.

The facilities structural type is with masonry walls and rcc beam and floors on each storey. the object has no underground storey and foundations are with rcc beams. Base of the facilities will be treated for water protection.

We will clarify the cases that occur in the reconstruction of the facility.

CASES 1 INTRODUCING OF RCC ELEMENTS.

On the ground floor there are some wall openings, the part of the removed wall is replaced with the rcc elements. The position and the opening length are drawn in the constructive design. These rcc elements make a good distribution of loads and strains coming from the floors .

The ramps are dimensioned as shown in the drawings.

All the construction elements and the other details are presented in the constructive project. For the rcc elements we have concrete C 20/25 and rebar S500s iron. During the process of constructing of rcc elements , the correct methodology for their installation must be followed without creating any problems with the other adjacent structural members.

The methodology for introducing rcc elements.

1. Reinforcing of side panels, on both sides of the rcc elements
2. Opening wood frame reinforcing holes in the walls.
3. Insert rcc elements rebar and cast in place
4. Keep reinforced area period of 10 to 15 days

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5. Removing reinforcing area
6. Plastering of rcc elements.

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