

The project consists of 5 Storey Hotel Service Apartments, Residential Blocks, Podium and Basement Parking located in Abu Dhabi, UAE.

Freyssinet was asked to conduct a design check for the third level slab due to the additional tensile loads coming from a bridge that is connecting hotel to service apartment and propose a suitable solution to strengthen the slab/ column connection for 4 columns at that level if required.

The proposed strengthening solutions to accommodate the new bridge loads were mainly:

- Add new Carbon fiber wrap at slab/ column connection for 4 columns.
- Add new carbon fiber wrap around 2 columns at service apartment in order to confine the area where top column reinforcements are anchored through bottom column.

Repairs

Slab/ Column Strengthening

Marina Bloom Development,
Abu Dhabi - UAE



Client:

Bloom Emirates Properties

Consultant:

Khatib and Alami

Contractor:

ASGC LLC

Execution:

November 2015