



NEW DOHA INTERNATIONAL AIRPORT - QATAR (NDIA)

BACKUP APPROACH AND TRAINING CENTER

PROJECT BUDGET: 60.000.000 \$

CONSTRUCTION: J/V ADCC

DESIGN REVIEW & SHOP DRAWINGS: KANON CONSULTING (2013-2014)

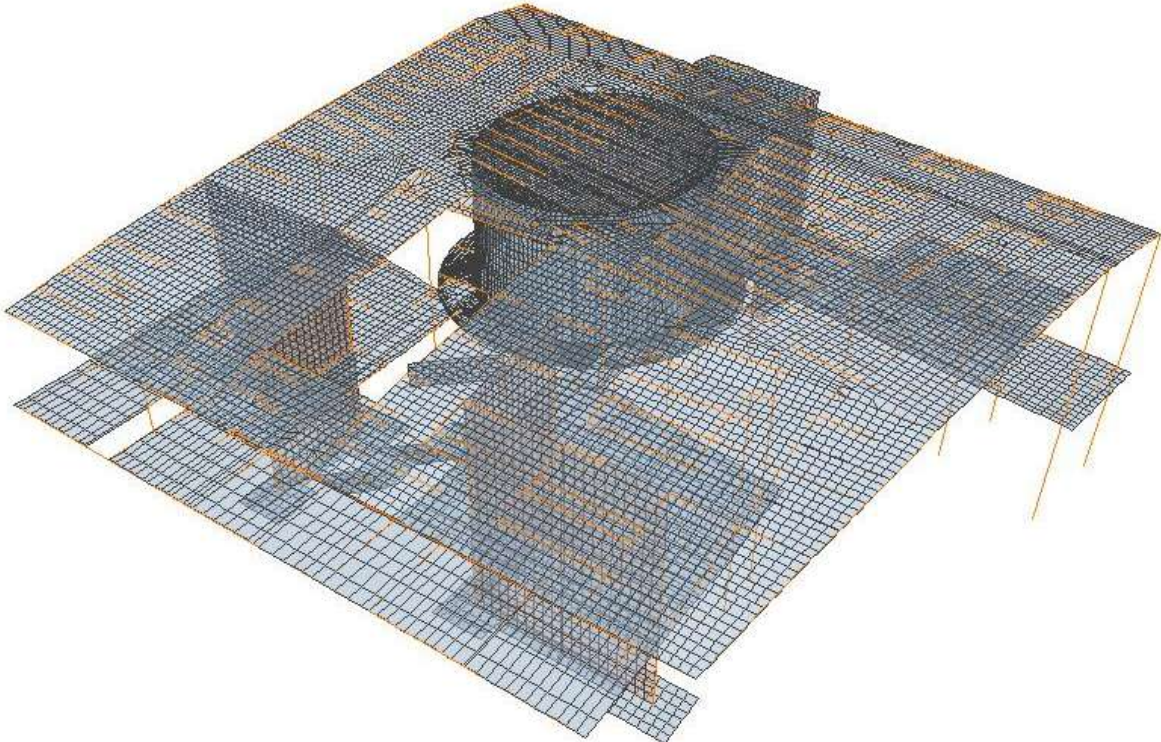
This project is currently under construction by the ADCC J/V (Aktor, Al Darwish, Cimolai, Cybarco) and involves a two storey building composed of two blocks with a rotunda and an atrium in the middle, covered by a gradually curved roof throughout its entire footprint. The structure is separated by two expansion joints, which essentially create three building models. The beams at the northern side of each building part are supported by means of corbels onto the columns of the adjacent part. Free sliding bearing are provided onto the corbels to allow the lateral movements.

Final design of the building was performed by Ghafari Associates LLC and "Kanon Consulting" was commissioned to perform the structural design review and the production of the concrete shop drawings.



Visualizations of NDIA Backup Approach & Training Center

Our firm’s involvement was undoubtedly beneficial to the project, as the design review process yielded a considerable deficit in the final design reinforcement provisions, primarily in beams, leading subsequently, to a final design revision.



Structural model of the building middle part



View of the Backup Approach & Training Center Building during installation of roof formwork