

Speed and flexibility on a Nottingham site, Great Britain

# MevaDec slab system convinces

Flexible adaptation to any layout

**A retail and residential project worth 3.2 million British Pounds is currently being built within 12 months by Marriott Construction in Nottingham. The concrete shell structure for the four storey building is being built by Northfield Construction Limited. Since the 1,600 m<sup>2</sup> slabs had to be completed within 8 weeks, Northfield Construction Ltd. decided to use MevaDec and MEP.**

The requirements: room heights of 4 metres, and slabs between 350 and 500 mm thickness, requiring a very fast, high performance slab forming system. The system could easily bear the loads, allowing flexible adaptation to any layout, whilst using minimal amounts of spare part and storage space on site. It soon became obvious that MevaDec, in combination with MEP frames, was the best solution to fulfil the requirements. It took only two days for four workers to complete an erection of a 450 m<sup>2</sup> section, including the application of plywood facing and adaptation at filler areas. The system also allowed for early stripping, only three days after the pour. By means of the drop head, the primary and secondary beams could be unloaded and lowered with just a single hammer blow by 190 mm. Only the props with the drop heads and small stripes of facing above them remained as re-propping beneath the slabs.

Using this method, the material and space required on site was both minimized and constantly utilized, in order to meet the required schedule. Northfield Construction Ltd. was thus able to complete one quarter section every second week and the whole project was completed with 4 pours in 8 weeks.

Phil Bryan, director of Northfield Construction Ltd. was pleased with the system provided by MEVA and commented: "If one looks at both the slab thicknesses and the room heights, especially with this very tight time schedule, we made the right decision in

MevaDec and MEP. We were relying on the ideal system, and the time savings generated by the fast stripping device

safe fast connectors of the MEP frames and the easy erection of filler areas was tremendous, especially compared to a

conventional timber beam formwork system".

Contractor:  
Northfield Construction Ltd.,  
Great Britain

Responsible (on MEVA side):  
MEVA Formwork Systems,  
Colnbrook, Great Britain

MEVA systems in use:  
MevaDec slab formwork  
(HN-method)  
MEP shoring system



The drop head-beam-method enables the free choice of facing to be placed as a soffit.



MevaDec slab system in drop head-beam-method.