

Google HQ

Manhattan, NY

Project Description

Eight new floors are being added to former St. John's Terminal in order to create Google's new massive Hudson Square Campus. This building will contain two precast concrete segmental building cores, each with seven different segment wall types connected with steel link beams.

Owner

Oxford Properties Group

Contractor

Rizzani de Eccher / Turner

Designer

Gensler

Our Role

Supporting DEAL, McNary Bergeron & Johannesen oversaw segment handling and segment erection analyses of the cores. We performed a vertical construction analysis of the building cores to evaluate construction stresses and estimate lateral deflections due to PT stressing operations. MBJ also performed analyses of the segments during shipping, handling, and installation as well as performing checks of the DEAL designed segment handling equipment.

Total Contract Value

\$2.1 billion

Timeline

2020

Construction Method and Specifications

Building core segments were pre-cast in an indoor casting facility, lifted by cranes into place, and stressed together with permanent post-tensioning bars.

