

Isaacson Structural Steel, Inc.

PROJECT PROFILE

Building for the Third Century

MGH

Boston, MA

ISSI job number 2-601
Project type: Hospital
Tons of steel: 5675
Owner: Mass General Hospital
Architect: NBBJ Architecture
Structural Engineer: McNamara/Salvia, Inc.
Contractor: Turner Construction Co.
Erector: James F. Stearns Company Inc.

The Building for the Third Century of MGH Medicine officially broke ground in June of 2008 and is expected to open its doors in 2011. This 530,000-square-foot structure required extraordinary logistical coordination due to site constraints and a construction technique that is becoming more popular lately – “up-down” construction, wherein load bearing elements are installed, the first floor is erected, and then excavation of the basement levels proceed concurrently with steel erection above. ISSI provided a complete structural package including the supply and installation of LBE columns, pre-cast floor planks, plate girders, a massive single-pick truss weighing 58 tons, and several architecturally-exposed built-up box beams. High seismic requirements resulted in the use of reduced beam section moment connections and heavily reinforced beam web openings – all easily fabricated with ISSI’s computer controlled equipment. Despite the complexity, the steel erection will end up about a month ahead of schedule.

