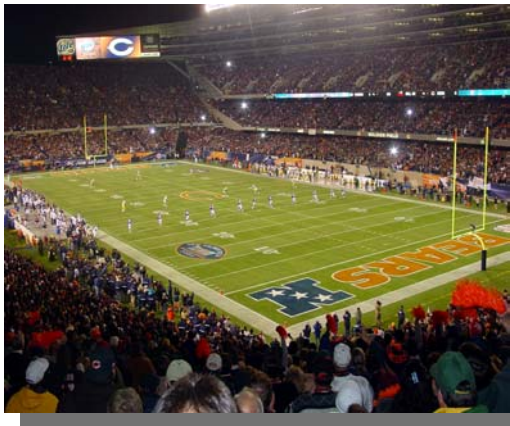




CONNECTION ENGINEERING

Adaptive Reuse of Chicago Bears Soldier Field Stadium



Fabricator: Hirschfeld Steel Company, Inc.

Completion Date: Estimated 2003

Building Use: Professional football stadium with seating capacity of 66,944 and 110 luxury suites.

Building Size: 11,500 tons

Building Type: Structural steel frame with vertical and horizontal bracing.

Project Description: Structural Solutions, Inc. served as the design engineers for the steel connections for all vertical and horizontal bracing, axial beams, trusses, simple beam framing, and miscellaneous specified connections.

In lieu of standard design documents, Structural Solutions, Inc. was presented with a 3-dimensional Xsteel model. Through the use of an Xsteel viewer, Structural Solutions, Inc. was able to efficiently develop connection designs compatible with the stadium's unique and complex project geometry.

With a rigidly scheduled opening date, Structural Solutions, Inc. met the client's rigorous connection and detailing schedule interfacing with the client's three detailing firms. Since these detailing firms were located on three different continents, most correspondence was handled electronically allowing instantaneous transfer of information.