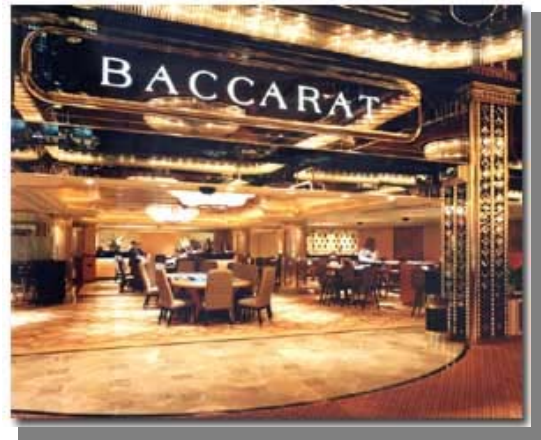


CONNECTION ENGINEERING

Tropicana Casino & Hotel Addition Atlantic City, New Jersey



- Fabricator:** Hirschfeld Steel Company, Inc.
- Completion Date:** 2004
- Building Use:** Hotel and casino with 1,600 rooms.
- Building Size:** 1,600 Tons
- Building Type:** Structural steel frame with vertical and horizontal bracing.

Project Description: Structural Solutions, Inc. performed connection design services for the structural steel connections for the Casino and Hotel Addition. Structural steel connections include the design of vertical and horizontal bracing, axially loaded connections, simple beam framing for normal and skewed connections, connections made to existing structures, hanger connections, and numerous unique connections to achieve the specified design criteria.

As a result of the varying floor levels and skewed floor plan, intricate detailing resulted in extensive connection design requirements. Moreover, the addition incorporated an IMAX theatre. Due to the space requirements for the theatre, Structural Solutions, Inc. prepared the design of connections to accommodate the unique detailing requirements generated from offset vertically braced frames.