



STRUCTURAL

Heavy Steel Construction



Miami Ballpark
Home of the Florida Marlins
Miami, FL



A division of Canam Steel Corporation

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People

- **Architectural firm:** Populous
- **Engineering firm:** Walter P Moore
- **Construction manager:** Hunt/Moss

Products and Services

The contract awarded to Structural-Heavy Steel Construction included design-assist, detailing, BIM and project management services, the fabrication and erection of steel components and the installation of the opening mechanism for the retractable roof.



Highlights

The 37,000-seat stadium features a unique retractable roof that is a feat of engineering. The roof, which is composed of three main sections and will enclose 7,700 tons of steel, is designed to open in 14 minutes.

When open, the two lower sections of the roof sit beneath the mid-section and the entire roof structure rests outside the stadium on rails perched 130 feet (39.6 m) above the ground.

Another interesting challenge is the design of the trusses, a number of which are 560 ft. (171 m) in length and are subjected to a deflection of up to 18 inches (46 cm). Trusses located on the east and west sides of the building are 541 ft. (165 m) in length and 43 ft. (13.4 m) in depth.



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