



THE Borgata

ATLANTIC
CITY

general building information

- located in atlantic city, new jersey
- 44 stories above grade
- 2 levels of casino totaling 70,000 square feet
- 2,002 guest rooms totaling 2.2 million square feet
- \$1B price tag

project team

- owner: marina district development company
- architect: blt/cia joint venture architects
- cm: tishman construction company
- structural engineer: the harman group
- mep: giovaneetti-shulman associates

architectural design

- iconic circular ends with large borgata logo
- the tower serves mainly as guest rooms for the adjoined low-rise casino
- full glass curtain wall facade

structural design

- foundation - concrete filled steel tube piles
- floor system - typically post-tensioned flat plate
- column - cast in place high strength concrete
- lateral system - full height reinforced high strength concrete shear walls

mechanical system

- public areas served by chilled/hot water coil air handlers
- guest rooms served by two energy recovery systems (heat wheels)
- pool areas (level 2 and 32) served with a dehumidification system utilizing chilled water as a cooling medium
- air distributed by individual control through VAV box with hot water reheat coil

electrical system

- (12) 470V high voltage feeders from marina thermal to substations w (12) 470/480V transformers and distribution boards on floors B, 3 and 39
- substations feeds Distribution panels (277/480V), transformers, 480V/120/208V and Bus duct risers to hotel floors
- each hotel floor has several 120/208v panels for guest rooms

