

**PARKING STANDARDS****600.001 - INTRODUCTION****1.1 OVERVIEW**

- A. History. In 2012, the Parking Structure Design Standards were developed by BJC Planning, Design & Construction with input from a Super User Group. This collaboration included the PD&C Director of Design, Corporate Architect, project managers and representatives from the Facility Engineering Department at Barnes-Jewish Hospital, St. Louis Children's Hospital, Missouri Baptist Medical Center and Boone Hospital Center. These standards were approved by the BLT in December of 2012. These standards were influenced based on observations and lessons learned from the following case studies:
  - 1. Missouri Baptist Medical Center (MBMC) - Main Garage
  - 2. Boone Hospital Center (BHC) - William Street Parking Garage
  - 3. Barnes-Jewish Hospital (BJH) - South Garage
  - 4. St. Louis Children's Hospital (SLCH) - SLCH Garage
- B. Evolution. These standards have evolved to include all parking conditions – parking structures and surface parking lots. The standard was renamed to Parking Standards to reflect this change.
- C. Purpose. It is important to understand that parking is designed for people. In most instances, parking represents the first experience a visitor has with a campus. A person's ability to safely and easily navigate, park, and enter the building can greatly influence their impressions of the facility.
- D. Types of Parking. There are two types of parking – surface and structured. Structured parking is typically a freestanding structure. Surface parking includes new and renovation type projects.

**1.2 CHAPTER INFORMATION**

- A. Volume 1, Chapter 6 of the Manual of Practice contains planning and design requirements for parking structures and surface parking lots. This includes, but is not limited to, demolition, interior renovation, exterior renovation, building additions, freestanding buildings, site work, and infrastructure activities. This chapter is organized into 3 sections and contain the following documents.

**section 601 GENERAL REQUIREMENTS**

This section contains general information related to planning and design requirements for surface and structured parking. The documents describe basic processes, procedures and deliverable requirements when providing planning and design services for these projects.

- 601.101 General Planning Requirements
- 601.201 General Architectural Design Requirements
- 601.202 General Engineering Design Requirements (future)

**section 602 SPATIAL REQUIREMENTS**

This section contains department-based planning and design-related requirements for surface and structured parking. The information includes diagrams, Room Data Sheets, Room Standards, and other similar items which communicate BJC's expectations for the rooms and departments. The documents in this section are organized by the following department groupings.

- 602.420 Building Support, Public
- 602.430 Building Support, Operations

**section 603 BUILDING COMPONENT REQUIREMENTS**

This section contains performance, prescriptive and proprietary standards for products, systems, materials, and components for surface and structured parking. The documents in this section support the development of the drawings and technical specifications. The documents in this section are organized based on ASTM E1557 and National Institute of Standards and Technology publication titled *UNIFORMAT II Elemental Classification for Building Specifications, Cost Estimating, and Cost Analysis*.

- 603.101 Substructure, Foundations
  - Standard Foundations (A1010)
  - Slab on Grade (A1030)
- 603.201 Shell, Superstructure
  - Floor Construction (B1010)
- 603.202 Shell, Exterior Enclosure
  - Exterior Walls (B2010)
  - Exterior Windows (B2020)
  - Exterior Doors (B2030)
- 603.301 Interiors, Interior Construction
  - Partitions (C1010)
  - Interior Doors (C1020)
- 603.302 Interiors, Stairs
  - Stair Construction (C2010)
  - Stair Finishes (C2020)
- 603.303 Interiors, Finishes
  - Wall Finishes (C3010)
  - Floor Finishes (C3020)
- 603.401 Services, Conveying
  - Elevators and Lifts (D1010)



- 603.701 **Sitework, Site Preparation**
  - Site Earthwork (G1030)
- 603.702 **Sitework, Site Improvements**
  - Roadways (G2010)
  - Pedestrian Paving (G2030)
  - Landscaping (G2050)

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