Danforth Campus – Building Area

Figure 1 - Danforth Campus Building Area (excluding parking garages)
The Danforth Campus has experienced a net increase of over 1 million square feet since 2004.

New Construction
Rudolph Hall is home to Earth & Planetary Sciences and Washington University’s Geographic Information Systems (GIS) Teaching Lab. In addition to hosting classrooms, offices, and laboratories, Rudolph Hall exhibits geological specimens such fossils and rock formations.

Following the creation of the Sam Fox School of Design & Visual Arts in 2005, these new facilities were built to provide a premier space to house the collection of the Mildred Lane Kemper Art Museum, as well as studio and teaching spaces.

d. Seigle Hall (2008)
Seigle Hall was completed in 2008. As an interdisciplinary building, it is occupied by both the College of Arts & Sciences and the School of Law.

e. Brauer Hall (2010)
Brauer Hall, opened in 2010, is among the largest of recently constructed buildings on the Danforth Campus. It contains state-of-the-art laboratories, and is home to a variety of departments within the School of Engineering & Applied Science.

f. Green Hall (2011)
The newest building in a growing engineering complex, Green Hall provides a welcoming portal to campus on a prominent corner adjacent to a busy thoroughfare and light rail station. It houses classrooms, faculty offices, a multipurpose “collaboration space,” and shell space for future growth.

g. Danforth University Center (2008)
The Danforth University Center, opened in 2008, provides student services for both undergraduates and graduates, including a major dining facility, student social space, a career center, and meeting rooms for student groups.

h. Village East (2008)
The Village East opened in the fall of 2008, and provides apartment-style housing for upper-class students.

Since 2004, redevelopment of the South 40 residential area has progressed significantly. Dardick House (i), completed in 2004, is home to the Habif Health & Wellness Center. Koenig House (j) and Ligget House (k), completed in 2005 and 2006 respectively, make up the Ligget/Koenig Residential College. The South 40 House was completed in two phases (m&n) between 2009 and 2010. In addition to student residences, the South 40 House contains food services and a student fitness center. College Hall (o), completed in 2010, is a 6,000 square foot facility that can be used for dining as well as special events. Additionally, two other student residences - Umrah House (l), and Eliot B House (p)- were completed in 2009 and 2010 respectively.

Living Learning Center (2009)
The Living Learning Center hosts research activities at Washington University’s Tyson Research Center located in Eureka, Missouri. It was built to meet the Living Building Challenge, which represents the pinnacle of sustainable building design.

Family Learning Center (2009)
The Family Learning Center at Washington University’s North Campus was opened in 2009. At nearly 20,000 square feet, this facility is designed to provide care to 156 children from six weeks to six years of age.
q. Busch Hall (r. 2009)
An integral part of Brookings Quadrangle, it was essential to retain Busch Hall while bringing its building systems up to date. Renovations included the addition of an elevator, modern restrooms, efficient lighting, and new mechanical systems.

r. Cupples II (r. 2011)
Cupples II was built as an engineering building in 1901, and has since been used for classrooms and offices. A renovation, which was completed in 2010, resulted in a more efficient configuration of interior spaces and an increase in the number of university-wide shared classrooms. The work also included new mechanical systems and accessibility upgrades.

s. Umrath Hall (r. 2012)
Umrath Hall was built as the men’s dormitory in 1902. For years housed offices for academic departments, yet the interior remained largely unchanged. Due to building code and accessibility challenges, the university studied options for replacing Umrath Hall and eventually decided to undertake a significant renovation of the historic structure. The substantial renovation resulted in an accessible and functional building.
In addition to these preservation and adaptive reuse projects, the university has spent an average of approximately $19 million per year on renovation projects between 2004 and 2012. These projects are meant to keep our facilities current, and range from replacing deteriorating building elements to outfitting our spaces with new technology. Projects have included laboratory renovations, updates to building infrastructure, classroom upgrades, and roof replacements.

**Construction in Progress**

**t. Olin Business School Expansion**

This 175,000 square foot project will double the footprint of the Olin Business School on the Danforth Campus. The physical expansion of the school’s facilities follows a large increase in enrollment over the past several years. For more information regarding the Olin Business School Expansion, please visit http://buildolin.wustl.edu/.

**u. McMillan Hall**

McMillan Hall was originally the women’s dormitory, built in 1906. As part of the Olin Business School Expansion adjacent to McMillan Hall, a
10,000 square foot addition with a green roof, anthropology labs and a large classroom is being built into the hillside to the north of McMillan Hall.

**Loop Student Living Initiative**
The Loop Student Living Initiative is a mixed-use project that will bring 600 beds and 22,000 square feet of retail to a thriving neighborhood north of the Danforth Campus. For more information regarding the Loop Student Living Initiative, please visit http://loopliving.wustl.edu/. See also: http://news.wustl.edu/news/Pages/23463.aspx and http://news.wustl.edu/news/Pages/24880.aspx.

*Figure 4- Construction in Progress*
Planned Construction

v. Brown School Expansion
A new building will allow the consolidation of faculty, staff, and students of the Brown School onto the Danforth Campus. The new facility will be approximately 107,000 square feet, which includes a policy forum and two university-wide shared classrooms.

w. Athletic Complex Expansion
Our Athletic Complex consists of the original gymnasium built in 1902, a fieldhouse built in 1925, and a major addition built in 1984. We are currently in the early stages of designing a new addition to the complex, which will add approximately 70,000 square feet for recreation and athletics. The addition will include a new three-court gymnasium with a jogging track above, team meeting rooms, multipurpose rooms for fitness and wellness classes, and renovated locker rooms. Major renovations to the original Francis Gym, built in 1902, will transform deficient and underutilized space into a new fitness area. This project represents a major step in transforming our Athletic Complex into a modern facility that meets the evolving needs of our students, faculty, and staff.

x. Simon Hall Renovation
Simon Hall will be renovated to repurpose space vacated by moves to Knight and Bauer Halls. Six pooled classrooms and seminar rooms will be located in the lower level. May Auditorium will be renovated to accommodate over 380 seats as a prime teaching space. BSBA and faculty offices for the Olin Business School will be selectively renovated.
Figure 5- Planned Construction
Danforth Campus – Energy Use

Figure 6- Energy Use vs. Built Area.

Despite increasing in building area by 26% since 2004, energy intensity has been decreased by nearly 16%.