# APPENDIX H

# Bibliography

# H.1 Summary

Rather than a traditional bibliography format, resources are listed by category to speed the location of information on a specific subject. These include all aspects of airport restrooms, both within the space and leading to them, and encompass fixtures, materials, systems, and operations. While the research team was able to find information on nearly every topic sought, it was not surprising to find that a comprehensive resource specifically for airport restrooms did not exist. The assumption of need for this guidebook was confirmed. Resources that rose above the others in usefulness are highlighted. The categories, organized in approximate order of use in the project development process, are as follows:

- Sociopsychological
- Customer Service
- Codes
- Planning
- Guidelines and Standards
- Design
- Passenger Comfort
- Accessibility
- Specialty Rooms
- Surfaces
- Plumbing
- Heating, Ventilating, and Air Conditioning
- Electrical
- Lighting
- Technology
- Sustainability
- Cleaning
- Maintenance
- Terminology and History

# **H.2 Resources**

# Sociopsychological

There are two "must read" books if you want an in depth of how people use and respond to public restrooms. At the top of the list below is "The Bathroom" and "Toilet." The late architect, Alexander Kyra, first write the academic treatise, "The Bathroom" at Cornell University in 1966. The focus was originally on residential bathrooms but in 1976 section on public restrooms and how bathrooms are used by people with disabilities were added. The hard to find book is an unparalleled resource including the history of personal hygiene facilities, social and psychological aspects of using bathrooms, and how we use them anatomically and physiologically. Many frustrations with restroom fixtures and accessories might be minimized if product developers read this book.

Molotch and Norén's book "Toilet" is a collection of largely academic essays on a variety of aspects of public restrooms. It's a great accounting of the evolution and often revolution of public restrooms, a process that continues today, perhaps even with this guidebook, especially in regards to gender and access.

- Alexander Kira, "The Bathroom Criteria for Design," revised 1976.
- gutsytraveler.com, "Women Travel Statistics Explained by Travel Expert," February 2013, http://gutsytraveler.com/women-travel-statistics-2/.
- Harvey Molotch, Lauren Norén, "Toilet: Public Restrooms and the Politics of Sharing," 2010.
- Kathryn H. Anthony, "A Quiet Revolution: Women's Public Restrooms in America," *bathroom today*, May September 2006.
- Kathryn H. Anthony and Meghan Dufresne, "Potty Parity in perspective: Gender and Family Issues in Ngee Ann Polytechnic's School of Business and Accountancy, "Toilet Survey Study," 2011.
- Planning and Designing Restrooms.
- renewamerica.com, "Airport Toilets, Suitcases, Homosexual Signals, and the Law," Mary Mostert, August 29, 2007.
- refugerrestrooms.org, Web application that seeks to provide safe restroom access for transgender, intersex, and gender nonconforming individuals.
- Students of Dept. of Social Work, P.G. College, Osmania University, Secunderabad, "Why Women Don't Use Public Toilets," 2006.
- ustravel.org, "Travel Facts and Statistics," posted May 2013, http://www.ustravel.org/news/press-kit/travel-facts-and-statisticsVentura County Airports, "Required Minimum Standards for Aeronautical Services," March 2006.
- wikipedia.org/wiki/Toilet\_paper\_orientation, Toilet paper Orientation."

#### **Customer Service**

For a comprehensive study people's attitudes toward airport restrooms, another "must read" document is the 2008 study by AIR, "In Search of the Perfect Restroom." The group works with 40 airports worldwide and conducted a survey of travelers, meeter/greeters/well-wishers, and vendor employees for both airports and airlines. The survey results consist of representative comments from the participants regarding the major components of airport restrooms such as signage, stalls, lighting, odors and noise, etc.

- Airport Interviewing and Research, Inc., "In Search of the Perfect Restroom," 2008.
- Airports Council International (ACI), Airport Service Quality (ASQ) Survey.
- "Busy US Airports Are Rated for Longest Walks, Bathrooms," The Wall Street Journal, January 21, 2001.

#### Codes

There are three building codes that restrooms must follow. The two fundamental codes are listed below. The third is the local building code, whether state or municipality, which may amend the two below or reference one of the older building codes still in existence. Mechanical and electrical codes are cited in those sections below.

- American National Standards Institute (ANSI) a117.1, 2003 (2009 published but not universally adopted yet)
- International Code Council, "International Building Code," 2012.
- International Code Council, "International Existing Building Code," 2012.

# **Planning**

The resources that follow encompass Airport Terminal Planning as a whole. Sections within these sources only briefly, if at all, discuss the topic of restroom planning and design. See the "Guidelines/Standards" section for more detailed information which specifically pertains to restrooms.

- Airport Cooperative Research Program (ACRP), ACRP Report 25: Airport Passenger Terminal Planning and Design, 2010.
- Federal Aviation Authority (FAA), "FAA AC 150-5300-13," 1988.
- Norman Ashford, Saleh Mumayiz, Paul H. Wright, "Airport Engineering: Planning, Design and Development of 21<sup>st</sup> Century Airports," 2011.
- Richard de Neufville, Amedeo Odoni, "Airport Systems: Planning, Design, and Management," 2003.
- Robert Horonjeff, Francis MvKelvey, William Sproule, Seth Young, "Planning and Design of Airports, Fifth Edition," 2010.
- Seth Young, Alexander Wells, "Airport Planning and Management," 2011.
- US Customs and Border Protection (CBP), Airport Technical Design Standards Passenger Processing Facilities, 2006.

# **Guidelines and Standards**

While there are only a few, the design standards and guidelines by some of the larger airports provide an excellent basis for an airport to develop its own standards. The scope is typically comprehensive, thorough, and the products well vetted. The standards published by the Los Angeles World Airports (LAWA) and Dallas-Fort Worth International Airport (DFW) are probably the most well-established. Other airport guidelines are provided below as well as standards from government agencies. A draft guideline by the ICC is listed and has an intriguing scope, however the material is primarily distillation of the ICC building code requirements.

- City of Dallas Airport System, "Design Standards Manual," October 2009.
- Dallas/Ft. Worth International Airport, Planning & Real Estate Department, "Guidelines for Public Terminal Toilets. September 2003.
- Federal Aviation Administration, "Airport Design," advisory circular, September 29, 1989.
- Fort Lauderdale-Hollywood International Airport, Broward County Aviation Department, "Terminal Design Guidelines Manual," April 2012.
- International Code Council (ICC), "Global Guideline for Practical Public Toilet Design DRAFT," 2011.
- Los Angeles World Airports, Construction and Maintenance Division and Maintenance Division, "LAWA Public Restroom Design Guidelines and Specifications," July 2008.
- Port of Portland, "Terminal Design Standards," November 2010.
- Salt Lake City Department of Airports, "Fixture and Finish Standards," March 1, 2013.
- U.S. Department of Homeland Security and U.S. Customs and Border Protection, "Airport Technical Design Standards Passenger Processing Facilities," August 2006.
- Washington Dulles International Airport, Metropolitan Washington Airports Authority, "Airport Design Standards and Signing Guidelines," IAD Volume 2, January 2010.

#### Design

There are few resources that focus specifically on airport restrooms, but there are many books, articles, and websites devoted to public restrooms in general. A great organization is the American Restroom Association with numerous resources on public restroom design, initiatives, regulations, guidelines, etc. FacilitiesNet is another useful resource for articles on a wide variety of facilities-related topics including restrooms. Many of the citations below provide detailed insights into particular aspects of the restroom while other articles and books are more oriented to glossy photos, which can be invaluable for generating ideas.

- Alexander Kira, "The Bathroom," revised 1976.
- American Restroom Association, "Public Restroom Design Issues," posted 2013.
- apa.org/monitor/2013/11/cover-design.aspx, "Design in Mind," November 2013.
- Britloos.co.uk, British Toilet Association.
- CC Sullivan and Barbara Horwitz-Bennett, "Commercial Restrooms That Work Right," *Building Design* + *Construction*, November 2008.
- cnbc.com, "Best public bathrooms: Where to go when you're on the go," Harriet Baskas, www.cnbc.com/id/101085041/page/4
- Cristina del Valle Schuster, "Public Toilet Design: From Hotels, Bars, Restaurants, Civic Buildings and Businesses Worldwide," 2005.
- DAAB Media, "Restroom Design," 2008.
- Dr. Clara Reed, "A Code of Practice for Public Toilets in Britain," University of the West of England.
- dimensionsinfo.com, "Dimension of a Restroom," 2013.
- educatedguesswork.org, "Why Do Airport Bathroom Stalls Open Inward?" October 2012.
- facilitiesnet.com, "High Traffic Restroom Design," Lynn Proctor Windle, January 2005.
- facilitiesnet.com, "Restroom Choices Guided by Experience in Health care Facilities," April 1, 2013.
- facilitiesnet.com, "Restroom Design Updates, Tips, Insights, Strategies, Best Practices," posted 2013, www.facilitiesnet.com/keywords/keywords.asp?keywords=restroom%20design#.
- Gilbert Consulting Pty Ltd with Bayside Staff and Contractors, "Bayside Public Toilet Strategy," 2012.
- Hedy Khoo, "Our Toilets are Top-notch," The New Paper, June 22, 2009.
- helium.com, "Airport Restrooms," Posted October 17, 2009, http://www.helium.com/items/702416-airport-restrooms.
- Jennifer Hudson, "Restroom: Contemporary Design," 2008.

- nbcnews.com, "Fresh amenities for pooped out travelers," Harriet Baskas, October 2, 2008, www.nbcnews.com/id/26962159/#.UmWTV msim4
- npr.org, "Cincinnati's Airport: Best in the US?" Brian Naylor, September 2, 2013.
- philly.com, "Philadelphia Airport Starting to Upgrade Its Many Bathrooms." Posted March 25, 2013. www.articles.philly.com/2013-03-25/business/37983917\_1\_bathrooms-ceramic-tiles-city-owned-airport.
- Relief Works, "Going Public! Strategies for Meeting Public Restroom Need in Portland's Central City,"
- shopping and flying. blogspot.com, "Fresh Restroom Design Solutions for Airports," November 10, 2008.
- uclue.com, "Question: Bathroom Stalls," posted November 29, 2009.
- Virginia A. Green, "Designing Public Restrooms: Privacy is in the Details," Architectural Record, November 2003.
- answers.yahoo.com, "Best Restroom at LAX Airport," posted 2011, answers.yahoo.com/question/index?qid=20110701000855AAi1fWb.

# Passenger Comfort

Many aspects of public restrooms cause unease: the perception of being unclean equals rampant germs; privacy also means potentially unsafe, lines to get in after delayed deplaning, etc. There has been a rise of articles and blogs devoted to praises and rants about experiences in public restrooms, even those in airports. Below is a sampling.

- American Restroom Association, "Plight of Airline Passengers," posted 2002.
- Concur, "Concur Study Reveals Most Stressful Airports in U.S.," November 14, 2012.
- ehow.com, "How to Minimize Germs While Using Public Restrooms."
- ehow.com, "How to Protect Yourself from Germs in Public Restrooms."
- ehow.com, "How to Stay Safe in a Public Restroom."
- ichelp.com, "Public Restrooms & Travel Tips," posted October 23, 2010.
- joewrites.com, "The Meltdown," posted June 9, 2012.
- lifetips.com, "Public Restroom regulations Tips," 2013Phc News, "Unappealing restrooms discourage hand washing, drive consumers to other facilities," 2010.
- Places2poop.tumblr.com, "Pooping in Airports," posted May 20, 2013.
- Tracey Greenstein, "How Facebook is Shaping Your 2012 Travel Decisions," Forbes, July 6, 2012.

## **Accessibility**

The Americans with Disabilities Act remains the core design standard for providing unhindered access to facilities to people with disabilities. The American National Standards Institute ANSI a117.1 is the document that codifies the ADA legislation, which most building codes use as a basis. Remember to verify amendments that local codes may have adopted. As with all building codes, ANSI a117.1 is the minimum requirement. Every disability has unique needs that often go beyond the minimum and sometimes conflicts with the needs of other disabilities. The resources below provide a starting point for further study.

- Airport Cooperative Research Program (ACRP), ACRP Synthesis 51: Impacts of Aging Travelers on Airports, 2014.
- Alexander Kira, "The Bathroom," revised 1976.
- American National Standards Institute (ANSI) a117.1, 2003 (2009 published but not universally adopted yet)
- Americans with Disabilities Act, "ADA Standards for Accessible Design," 2010.
- Association for Airline Passenger Rights. "Air Carrier Access Act of 1986," 1986.
- cae.org.uk/itaaltransfer.html, "How Do Wheelchair Users Transfer To and From the WC?"
- crs.gov, "Overview of the Air Carrier Access Act," 2009.
- disabilitytravel.com/airlines/air\_carrier\_act\_details.htm, "Accessible Journeys Making the World More Accessible | Details of the Air Carrier Access Act."
- dot.gov, "Answers to Frequently Asked Questions Concerning Air Travel of People with Disabilities Under the Amended Air Carrier Access Act Regulation," 2009.
- flyfriendlyskies.com, "Briefing on new European legislation that gives greater rights to air passengers with disabilities or reduced mobility."
- flyfriendlyskies.com, "DOT Technical Assistance on ADA Regulations for Service Animals and Mobility Devices."

- flying-with-disability.org, "Flying with a Wheelchair & Other Mobility Aids."
- gimpgear.us/travel.htm, "Broadened Horizons."
- Robert Dupuy, Greg Guarnaccia, Eunice Noell-Waggoner, "Lighting, Low Vision & Building Codes,"
  National Institute of Building Sciences Low Vision Design Symposium, January 10, 2013
- skift.com/2014/04/04/industry-experts-consider-new-standards-to-ease-challenges-for-disabled-travelers/, "Industry Experts Consider New Standard to Ease Challenges for Disabled Travelers."
- travel.cnn.com, "Disabled but Not Deterred: How to Travel When the Industry Doesn't Want Me To," Rob Cossan, January 24, 2013.
- tsa.gov/travelers/airtravel/specialneeds/editorial\_1909.shtm, "TSA Military Severely Injured Program."
- unitedspinal.org/publications/action/2006/05/01/guidance-for-group-travelers-with-disabilities/, "Guidance for Group Travelers with Disabilities," 2006.

# Specialty Rooms

A crop of spaces related to the restrooms are becoming more common in airports. Lactation rooms for both travelers and airport employees now have guidelines to reference, as do service pet relief areas, which are required by the FAA. Showers are more common in airports overseas, but if their popularity grows in the US, resources are available.

Lactation Rooms / Mother's Rooms/Nursing Rooms

- American Institute of Architects, Best Practices, "Lactation Room Design," Liz York, February 2008.
- La Leche League International
- "Mybrownbaby.com, "TSA Forces Breastfeeding Mom to Pump in Airport Bathroom: Do You Know the Rules?," posted 2012, http://mybrownbaby.com/2012/03/tsa-forces-breastfeeding-mom-to-pump-in-airport-bathroom-do-you-know-the-rules/

# Service Pet Relief Areas

- Department of Transportation,"14 CFR Part 382 Nondiscrimination on the Basis of Disability in Air Travel," 2010.
- dogjaunt.com/guides/airport-pet-relief-areas/, "Airport Pet Relief Areas," 2009.
- flyfriendlyskies.com, "DOT Technical Assistance on ADA Regulations for Service Animals and Mobility Devices.

#### Showers

- Abudhabiairport.ae,
- http://www.abudhabiairport.ae/english/airport-information/airport-facilities/toilets-and-showers.aspx (an example of showers as a specialty room)
- Airfarewatchdog.com, "Keep it clean, Travelers!," George Hobica, posted April 2, 2013, http://www.airfarewatchdog.com/blog/13662852/keep-it-clean-travelers/ (showers)
- Sleepinginairports.net, "Best Airports of 2013," posted October 15, 2013
- Travel.cnn.com, "The perfect airport: Could this be it?," Tara Donaldson, June 20, 2012, http://travel.cnn.com/explorations/life/perfect-airport-does-exist-859232
- Youtube.com, "Incheon Airport Korea Free shower!," Brandon Simpkins, November 21, 2011, http://www.youtube.com/watch?v=b4UzQRzaWiE

# Surfaces

There are numerous standards organizations that regulate the manufacturer of the products that end up in restrooms – ASTM, ISO, ANSI, etc. But the best starting point to understanding the properties, installation methods, and maintenance requirements for floor, wall, ceiling, and counter products are the professional associations specific to those materials. The primary organizations for products typically used in restrooms are listed below.

- Metalwork: National Association of Architectural Metal Manufacturers (NAAMM)
- Stainless Steel: International Stainless Steel Forum (ISSF)
- Millwork: Architectural Woodwork Institute (AWI)
- Solid Surfacing: ICPA Solid Surface Council
- Metal Doors: Hollow Metal Manufacturers Association (HMMA)
- Door Hardware: Door Hardware Institute (DHI)
- Glazing: Glass Association of North America (GANA)
- Veneer Plaster and Gypsum Board: Gypsum Association

- Tile: Tile Council of America
- Acoustic Ceilings: Ceilings and Interior Systems Construction Association (CISCA)
- Epoxy Terrazzo: The National Terrazzo and Mosaic Association (NTMA)
- Signage: International Sign Association (ISA)
- Stall Partitions: American Restroom Association

# Plumbing

Plumbing is what makes our modern day restrooms operate. The plumbing of a public restroom includes the following: toilets, urinals, sinks, soap dispensers, floor drains, and piping to each of those. There are many advances in plumbing fixtures to reduce water usage while remaining sanitary. The more touchless the bathroom, the less likely is the transfer of germs. Automated systems include flush valves, dual flush valves, self-cleaning toilet seats, faucets, and soap dispensers. Another plumbing improvement in public restrooms is the electric tank-less water heater. These provide warm water immediately while using less power and reducing water usage. The American Disabilities Act provides standards for all plumbing fixtures. Also, a public restroom must comply with the International Building Codes.

- CC Sullivan and Barbara Horwitz-Bennett, "Commercial Restrooms That Work Right," *Building Design* + *Construction*, November 2008.
- International Code Council, "International Building Code," Section 2902 Minimum Plumbing Facilities, 2012.
- International Code Council, "International Plumbing Code," 2012.
- John A. Clark, "Commercial Restroom Design Considerations," Plumbing Engineer, October 2013.
- John A. Clark, "It's the Little Things that Count in Good Plumbing System Designs," Plumbing Engineer, November 2012.
- Kevin Ruppelt, "Water Heating for Commercial Buildings," *Coalition for Energy Efficient Electric Tankless Water Heaters*, August 2010.
- Kris Alderson, "Today's Commercial Restroom Design Trends Speak to User Wants and Needs," *Bradley Corporation*, September 2012.
- Michael Ivanovich, "Lean, Clean Restroom Machines," HPAC Engineering, April 2003.
- Mark Knurek, "Recreational Restrooms: Take Your Cues from some of the Best Restrooms in the Sporting World," *Plumbing Engineer*, October 2012.
- "Planning Guide for Accessible Restrooms," *Bobrick*, September 2010.
- "Public Restroom Design Issues," American Restroom Association, March 2005.
- Vivian V. Enriquez, "Designing Smart Restrooms," *CSE Mag*, June 2011.
- Winston Huff, "Plumbing Engineering," WBDG, July 2010.

# Heating, Ventilating, and Air Conditioning

Heating, ventilating, and air conditioning of public restrooms are key to making them comfortable and odor-free. There are numerous air freshening systems that can be installed inside and outside to help freshen the area. A public restroom must comply with the International Building Codes.

- CC Sullivan and Barbara Horwitz-Bennett, "Commercial Restrooms That Work Right," *Building Design + Construction*, November 2008.
- Greenheck Fan Corporation, "Fans Provide Energy-Efficient and Low-Maintenance Way to Exhaust Air," *HPAC Engineering*, April 2013.
- International Code Council, "International Mechanical Code," 2012.
- Prolitec Advanced Air Treatment Systems, "Case Study: Airport Restroom Odor Remediation," 2012.

# Electrical

Power requirements for restrooms may not seem like a big item, however, safety and convenience are essential to the user's experience, from providing outlets for maintenance to additional outlets for travelers adjacent to mirrors and make-up counters. Power is also required for the mechanical equipment, powered accessories, and is integral with the technology systems incorporated into the restrooms. The codes below provide guidance with working in "wet" spaces and low voltage systems.

- International Code Council, "International Electrical Code," 2012.
- NFPA 70, National Electrical Code, 2011.

• Stuckattheairport.com, "Posh Public Potties in Airports, Hotels & Parks," October 6, 2013.

# Lighting

Lighting has a powerful effect on the traveler's experience, setting the overall mood of the space, even adding to the perception of cleanliness. Occupancy sensors and daylight controls can provide energy savings. The IES reference listed below provides the industry's technical standards and guidelines to provide effective and efficient lighting.

- Illumination Engineering Society (IES), "Lighting for Common Applications Toilets/Locker Rooms," 10<sup>th</sup> Edition.
- Lightolier, "Bath: What to Light & How to Light It."
- US Customs and Border Protection (CBP) Security Policy & Procedures Handbook, 2009.

# Technology

Resources for integrating technology with restrooms are limited but growing as new technologies are developed. The majority of resources are focused on customer service instead of technology within the restroom itself. The technologies that provide increased customer service include mobile applications for locating restrooms, providing feedback on restroom facilities, or delivering messages to customers from the restroom mirrors. Most information available is provided by the application vendors as little is available from independent sources.

- Conversionation.net, "There is a QR Code in a Public Toilet Near You," J-P De Clerck, August 22, 2011.
- Decorushospitality.com mirror TVs, http://www.decorushospitality.com/spasalonmirrortv.cfm
- Hannah Chanpong, "O'Hare Bathrooms Getting Mirror Ads," January 21, 2011.
- pcmag.com, "The Bathroom of the Future," Meredith Popolo, posted January 26, 2013, http://www.pcmag.com/slideshow/story/307325/the-bathroom-of-the-future/5.
- publicrestrooms.lifetips.com/cat/61825/automatic-hand-dryer-tips/index.html, "Affordable Hand Dryer."
- sitorsquat.com—app for finding clean public restrooms
- stuckattheairport.com, "Rate the Bathroom at Singapore's Changi Airport," Harriet Baskas, posted January 24, 2012.
- Toiletocity by the bathroom diaries.com app for finding clean public restrooms

# **Sustainability**

The LEED program run by the USGBC is the grand parent of the sustainability movement. Its list of initiatives is a great place to look for ideas that can be applied in restrooms. Numerous other resources exist, such as the two listed below, that provide links to green product manufacturers and guidelines for greener construction.

- Green Building Initiative (GBI).
- Green Building Pages.
- US Green Building Council (USGBC), Leadership in Energy & Environmental Design (LEED) program.
- wbdg.org/ccb/GREEN/REPORTS/cgrtissuetowel.pdf, Green Seal's Choorse Green report, "Bathroom Tissue and Paper Towels."

# Cleaning

Restrooms in airports are among the most intensely cleaned in our built environment, often cleaned several times a day. A clean restroom is inviting and comforting to travelers, while restrooms that are improperly cleaned can cut years from the life of the materials. Ideally every airport should have a Standard Operating procedure (SOP) for cleaning such as the example from Blue Grass Airport included in the Case Studies section. The American Restroom Association has a numerous resources to guide in the development of such a manual as does Clean Link.

- American Restroom Association, "Air Travel Restrooms and Cleaning Rates," 2006.
- bsmmag.com/Main/Articles/2011/03/Image%20Ehancement.htm, Building Services Management, "Best Practices for Maintaining Clean restrooms, Infection prevention."
- cintas.com/FacilityServices/Press-Releases/Cintas-White-Paper-Showcases-Strategies-Becoming-Americas-Best-Restroom.aspx, "Cintas White Paper Showcases Strategies for Becoming America's Best Restroom," September 2012.
- cleanlink.com, "The Professional Cleaning Industry's Online Resource."
- facilitiesnet.com/keywords/keywords.asp?keywords=housekeeping#, "Housekeeping Updates, Tips, Insights, Strategies, Best Practices."

- Gary Stoller, "Airport Restrooms: When and How Often They're Cleaned," USA Today, 2011.
- Wetton Cleaning Services Limited, "Brighton & Hove Public Toilets Questionnaire," 2012.

#### Maintenance

As with cleaning, keeping fixtures and accessories in good working order will add years to the life of the products and minimize the frustrations of visitors who encounter broken or faulty equipment.

- app2.nea.gov.sg/docs/default-source/training-knowledge-hub/a-guide-to-better-public-toilet-design-and-maintenance.pdf?sfvrsn=0, "A Guide to Better Public Toilet Design and Maintenance," Restroom Association (Singapore).
- eere.energy.gov/femp/program/waterefficiency\_bmp6.html, "Best Management Practices: Toilets and Urinals."
  - a. Los Angeles World Airports, Construction and Maintenance Division and Maintenance Division, "LAWA Public Restroom Design Guidelines and Specifications," July 2008.

# Terminology and History

What do we call these rooms where we use the toilet, wash, bath (at home anyway). Do we really rest there? It seems every English speaking country has its own favorite. "Restroom" appears to be the norm in the US. The Canadians are fairly protective of the term "washroom," and the Brits are fond of "loo." In this guidebook, we have opted for the contextual norm and use "restroom." If you are curious about the etymology of these terms, the following resources provide some interesting insight.

- Alexander Kira, "The Bathroom Criteria for Design," revised 1976.
- English Language & Usage, "Washroom, Restroom, Bathroom, Lavatory, Toilet, or Toilet Room," posted September 2011, http://english.stackexchange.com/questions/8281/washroom-restroom-bathroom-lavatory-toilet-or-toilet-room.
- Harvey Molotch, Lauren Norén, "Toilet: Public Restrooms and the Politics of Sharing," 2010.
- ideafinder.com/history/inventions/papertowel.htm, "Paper Towels."
- wikipedia.org, "Toilet," May 2013.