Lighting: Not a UD Afterthought
BY JENNIFER ECKEL

Often when we think of Universal Design we envision no-step entrances, wide doorways and maneuvering space to make the home accessible for those using mobility devices. But for a comfortable and safe home environment, lighting is just as crucial. Good lighting supports our daily tasks and safe movement throughout the home.

Lori Powell, of Fogg Lighting, recommends a combination of natural, ambient and task lighting, referred to in the industry as “layering” light. Natural lighting can be provided by windows and skylights. Window treatments like shades and curtains can help to adjust the light and reduce glare. Ambient lighting provides overall illumination in a space, and it is often achieved with ceiling or wall-mounted fixtures and recessed or track lights. Task lighting is a more focused light that supports specific tasks, such as reading, grooming and cooking. Task lighting is often provided by recessed and track lighting, undercabinet lighting and portable floor and desk lamps. Before deciding on fixtures, take the time to look at how the space will be used and select appropriate solutions. Before the electrician arrives, the lighting plan should be in place to ensure that the fixtures installed will provide the type of lighting needed.

See Lighting: Not a UD Afterthought, page 8

CAPABLE Empowers Aging in Place
BY LINDSEY SCHERLOUM

“I’m dying in this house!” one participant of the CAPABLE study (Community Aging in Place, Advancing Better Living for Elders) tells Jill Roth, her nurse, during a home visit. For many older adults aging in place is the dream, remaining in the community they know and in the house they have filled with a lifetime of memories. However, like almost 40% of older adults still living in their communities, she is experiencing disabilities that make normal activities of daily living extremely difficult. Since this woman, like all the participants in the CAPABLE study, lives in poverty, her home environment is just as disabling as her medical conditions. She has major electrical problems and a cockroach infestation, and the building adjacent to hers is abandoned. “Low income folks work hard all their lives and then when they are older adults they are suffering, and the gap between what their income provides and their environment needs is big,” says Sarah Szanton PhD, CRNP, the creator of the CAPABLE study, at the Johns Hopkins University School of Nursing.

See CAPABLE Empowers Aging in Place, page 4
Farewell from Universal Design News
By John P. S. Salmen, AIA

In the late 1980’s, I participated in a National Endowment for the Arts panel that identified the need for a publication that studied the concept of and discussed developments in Universal Design for design practitioners and the general public. At that time Universal Design was understood by very few and the need was great. A couple years later I started publishing Universal Design Newsletter.

For the last 20 years, Universal Design Newsletter has provided a quarterly chronicle of the accessibility and Universal Design movement. During that time, the newsletter has evolved to respond to our changing world. The newsletter was initially produced on an offset lithograph printing press, as a hardcopy edition for paid subscribers. Later we made it free and published it as a PDF and accessible text file delivered by email. In its most recent format, the newsletter is all-of-the-above plus an e-magazine that became the face of UniversalDesign.com.

Several years ago, when I re-launched UniversalDesign.com, I envisioned that it would become a self-supporting website. It has been moving toward that goal, but not quickly enough for my resources. Not willing to do a half-way job, I have decided to end the website and newsletter at a high point, and encourage someone else to take over a recognized name in a growing field. UniversalDesign.com will be left online until 2015 in the hopes of finding a partner or buyer for the newsletter, website and/or URL. However, we will no longer be posting new content or responding to inquiries from readers. Therefore, this will be the farewell issue of Universal Design News.

In the last quarter century, Universal Design has become a more mainstream concept that is increasingly recognized by the public. My passion for Universal Design and its profound ability to improve human lives has not diminished, but I’ve realized that the movement has gained momentum, and I believe that it is no longer necessary for me to devote so much of my time and resources to the mission of raising public awareness and professional knowledge about Universal Design. I will, however, still be writing occasional blog posts on www.UDConsultants.com, and so I welcome you to visit that website and sign up to receive my blog’s RSS feed.

I want to devote my energy and resources to new areas and pass the torch to others in the field. It is for these reasons that I am looking for a buyer or partner who has the electronic information and social networking skills, marketing savvy, UD passion and financial resources to buy or operate UniversalDesign.com and/or Universal Design News. If you have any interest or suggestions, please contact me at jsalmen@UniversalDesign.com.

Thank you for your support and for reading my little newsletter all these years. It’s been an extraordinary learning experience for me, and I hope for you too!

I am and will always be a...
Judge Rules NYC's Emergency Plans not ADA Compliant

On Oct. 7, 2013, a federal judge ruled that New York City's emergency preparedness plans violated the Americans with Disabilities Act, by failing to accommodate the needs of people with disabilities. The ruling responded to a class-action lawsuit brought against the city in 2011 after Tropical Storm Irene. Problems with the city's emergency preparedness were further highlighted by Hurricane Sandy in 2012.

The judge ruled that the city's emergency plans failed to ensure that people with disabilities could evacuate from high rise buildings, failed to provide sufficiently accessible shelters, did not sufficiently inform people about available accessible emergency services and failed to ensure accessible transportation during evacuations, instead relying on NYC's mostly inaccessible public transit system.

The judge did not suggest remedies, due to the high level of expertise needed to address these issues, but he did direct the parties to confer with each other and with representatives of the Justice Department, if they should choose to get involved.

DOJ Seeks to Intervene in Web Accessibility Lawsuit

The Department of Justice's Civil Rights Division and U.S. Attorney Carmen Ortiz have moved to intervene in National Federation of the Blind et al v. HRB Digital LLC et al, a private lawsuit alleging disability discrimination by subsidiaries of H&R Block Inc. DOJ alleges that the H&R Block companies' website, www.hrblock.com, has many features that are inaccessible to people with disabilities and as such are in violation of Title III of the Americans with Disabilities Act. The motion, attached complaint in intervention and supporting memorandum were filed in U.S. District Court for the District of Massachusetts' Boston Division.

The complaint in intervention seeks a court order that would ensure that tax services offered through www.hrblock.com are fully and equally accessible to individuals with disabilities. The department also seeks an award of monetary damages for aggrieved individuals, including the two named plaintiffs and a civil penalty to vindicate the public interest.

Read the Motion to Intervene at www.ada.gov.

New DOT Rules for Flying

As part of its continuing implementation of the Air Carrier Access Act of 1986, the U.S. Department of Transportation (DOT) has issued new rules to make flying more accessible. The new rules address the accessibility of airline websites and automated airport kiosks, as well as how wheelchairs can be stowed in a plane's cabin.

Covered airlines will have to make their websites' core pages accessible within 2 years and all pages accessible within three years, by complying with Website Content Accessibility Guidelines (WCAG). Any newly installed airport kiosks must be accessible until at least 25% of kiosks at each airport location are accessible. Even if no new kiosks are added, 25% of kiosks must be accessible within 10 years. The standards for accessible kiosks are based on the 2010 ADA Standards for ATMs.

The DOT has also revised its earlier position on the storage of wheelchairs by the seat-strapping method, in which a folding manual wheelchair is strapped to an empty seat. In 2008, DOT had limited the seat-strapping method to existing airplanes, while new airplanes were required to be able to stow at least one folding wheelchair in a compartment within the cabin. After further consideration of costs and benefits, DOT has decided that new airplanes can also choose to use the seat strapping method as long as they agree to transport two wheelchairs in the cabin when requested (provided that the second wheelchair doesn’t displace any passengers.)

The full rules can be found at www.regulations.gov. The rule on accessible websites and kiosks has the docket number DOT-OST-2011-0177. The rule on wheelchair storage has the docket number DOT-OST-2011-0098.
CAPABLE Empowers Aging in Place, from page 1

In 2009 Szanton launched the CAPABLE pilot, modeled after the successful Advancing Better Living for Elders (ABLE) study done by Dr. Laura Gitlin in Philadelphia. CAPABLE combines the strategies of occupational therapists, nurses and building contractors in order to investigate how strength building exercises, creative problem solving and simple home modifications can address the needs of low income older adults, improve their functioning at home and reduce the need for expensive hospitalization and nursing home care among this population.

"CAPABLE doesn’t have the funds to repair roofs or replumb a house," Roth explains, but simple interventions, the addition of a handrail on a staircase, or adding chains to a ceiling fan, can go a really long way.

The results of the CAPABLE pilot, published in 2011 and based on a sample size of 40 participants in Baltimore, MD, found that an average of four home visits from a nurse, six home visits from an occupational therapist (OT) and $1285 in household repairs could improve a patient’s ability to safely age in place. If these interventions could extend someone’s stay at home by as little as two weeks, then the CAPABLE program would demonstrate a cost benefit over the average $6000-a-month Medicaid funded nursing home. The current iteration of the CAPABLE study, funded through a Robert Wood Johnson grant, a National Institutes of Health grant and a cooperative agreement from the Innovations office at the Center on Medicaid and Medicare Services, is trying to prove that publicly funding these types of services will not only increase people’s quality of life by allowing them to safely age in their homes, but will also save government and taxpayer money.

CAPABLE’s three pronged approach coordinates occupational therapists, nurses and safety/access home modifications to tackle problems from multiple angles. “I don’t know how many times I’ve wanted to put in a grab bar,” comments Ally Evelyn-Gustave, an occupational therapist who has worked for CAPABLE since the beginning. “There are programs designed to help with home improvement, but the services are not coordinated. We put the services together.” The program’s home modification services are provided by a contractor and AmeriCorps apprentice from the Baltimore organization CivicWorks.

In addition to coordinated services, the real innovation of the CAPABLE model is its patient driven approach. Unlike the standard medical model, where a nurse and OT identify problems and prescribe solutions, the CAPABLE nurse and OT observe and ask how the patient is functioning on a day to day basis. “We go in and say, ‘what do you want to do day to day, and what is interfering with that?’ We do a lot of coaching, but the whole program is what the patient wants,” Roth says.

“When you’re working with somebody in their home,” Evelyn-Gustave adds, “it’s a very intimate relationship. People tend to open up to you about things they probably wouldn’t share in an outpatient clinic. They get more comfortable. The way this study is designed, it’s an ideal job for an occupational therapist because we work on improving people’s function, but it’s the participant that tells me what they think their issues are.”

The patients are asked to determine three goals that they want to address with the CAPABLE team over the next four months. As Szanton pointed out in an interview aired on PBS, “a lot of times this particular age group feel like they’re told what to do, and they kind of accept that. But this allows the person to speak for themselves and to use their voice.” Some patients have practical goals like getting into their basement, while others have psychological goals like finding time for themselves. One woman wanted to address her insomnia. The woman had been sleeping on her couch for years, because pain and low vision kept her from safely climbing the stairs to her bedroom. The team joined strategies to teach her simple strength-building exercises, encourage her to take Tylenol

See CAPABLE Empowers Aging in Place, page 5
Universal Design at Design & Construction Week

BY DARIA ROGERS

The National Association of Home Builders (NAHB) and the National Kitchen & Bath Association (NKBA) are co-locating the International Builders’ Show® (IBS) and the Kitchen & Bath Industry Show (KBIS). This first annual Design & Construction Week™ will take place February 4-6, 2014, in Las Vegas. Interested attendees will be able to participate in both conferences during the same week, saving on travel and lodging expenses. An exhibit floor of 1,500+ exhibitors will serve both conferences. Below are some notable education sessions. Visit www.buildersshow.com and www.kbis.com for more details.

Notable Education Sessions at IBS:

- Design/Build Solutions for Aging and Accessibility (CAPS II)
- Marketing & Communications Strategies for Aging and Accessibility (CAPS I)
- Universal Design/Build
- The Essential Ingredients of Universal Design
- Under One Roof: Designing for the Multi-Generational Family
- Repackaging Universal Design for Maximum Marketability
- Technology for Aging-In-Place: Meet Their Needs, Expand Your Business
- Economic & Market Forecast for the 50+ Housing Industry

Notable Education Sessions at KBIS:

- Universal Design for You and Your Business
- Seeing as We Age: Lighting and Aging in Place
- Universal Design with Spirituality in Mind
- Bathroom Designing Solutions for All Sizes, Shapes, Ages and Needs
- Medical Interior Design Meets Home for a Lifetime
- Safety vs. Aesthetics - Universal Design Solves the Quandary
- Designing a Socially Sustainable Bathroom
- I want a B.A.D. Kitchen – With a Beautiful Accessible Design

Universal Design will be featured in sessions at both the International Builders’ Show and the Kitchen & Bath Industry Show.
Circling Back with the Design Team

BY JENNIFER ECKEL

A year ago, my husband and I made a leap of sorts, leaving behind the rolling hills of western Maryland and moving to an old craftsman cottage on an island in Maine. We chose a fixer-upper, knowing that we wanted to renovate the property to be Universally Designed. We assembled a team including an architect who is an island resident and understands the period cottages, a structural engineer and a builder.

While the whole design team understood our dedication to Universal Design, we found that when unforeseen obstacles arose during the course of renovations they would often forget the UD elements and fall back on familiar building practices. A true collaboration was required between us and the design team to develop creative, customized solutions that maintained our Universal Design goals while still meeting cost, structural integrity and code requirements.

Our initial discussions with the building team highlighted Universal Design, and we found it helpful to keep a printout of the Principles of Universal Design handy to share with each new member of the team. As the renovations began, however, our beautiful plan underwent near daily revisions. We had to remind the building team of the principles, especially principle #7, maintaining adequate size and space for approach.

For instance, when a wall-hung toilet had to be moved to accommodate a support beam, the first proposed solution left the toilet too close to the wall for the optimum 18” to the center line. To address this, we planned to pivot the toilet to the wall for the optimum 18” to the center line. To address this, we planned to pivot the toilet to the adjacent wall, but then found that this left insufficient space alongside the toilet for a potential side transfer. To increase the space next to the toilet, we had to steal space from a floor to ceiling storage cabinet and plan for a smaller sink. Each change that we made to our initial plan had ripple effects, and we found that we had to evaluate all of these moving pieces to make sure that we fulfilled our UD goals. For instance, when a wall-hung toilet had to be moved to accommodate a support beam, the first proposed solution left the toilet too close to the wall for the optimum 18” to the center line. 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We chose our three-floor cottage for a variety of reasons including location, size and price, and so we had to resign ourselves to the necessity of a residential elevator to make the house Universally Designed. We are planning for the elevator in our renovations but deferring installation of the elevator for now, due to the expense. When we explained to the design team that there were certain elements, like the elevator, that we wanted to defer, we unwittingly planted the seed in their minds that we were willing to compromise on UD elements.

For instance, our house’s sloping site presented the challenge of how to create a level entrance and parking area without damaging the root system of a
**CANADA**

**Vancouver By-law Bans Doorknobs**

Vancouver’s new Building By-law, which goes into effect in March 2014, includes a number of accessibility requirements for new housing built within the city’s limits. Vancouver is the only city in British Colombia with the ability to set its own building codes, but it has often set precedent with building laws that are later adopted across the country. The By-law only applies to new construction and is not retroactive.

Some of the By-law’s new adaptable housing requirements include:

- lever handles on all doors and faucets
- kitchen sink pipes positioned to allow for the future lowering of the counter
- reinforced bathroom walls
- bathtub drains sized and positioned to accommodate future walk-in showers
- off set or otherwise accessible tub and shower controls
- a bathroom on the lowest inhabitable level
- electrical outlets at least 450mm (~18") above the finished floor
- one exterior door with a clear width of at least 865mm (~34")
- all doors with a clear width of at least 800mm (~31")
- beveled door thresholds no higher than 13mm (~1/2")
- stairways at least 915mm (~36") wide
- electrical outlets at the top and bottom of stairs for future installation of a lift
- interior corridors at least 900mm (~35") wide

**SPAIN**

**Jump the Gap Award**

‘Still You,’ a concept design for an elder-friendly toilet, was awarded the Jump the Gap award at the fifth edition of the Roca International Design Contest. ‘Still You’ has an ergonomic design, a 60cm (~24") seat height, integrated armrests and a sleek modern look, making it easy for people with limited mobility to use the toilet independently. From almost 3,500 participants representing over 100 countries, ‘Still You’ was awarded the prize for its realistic, functional concept and excellent design, as well as the fact that it addresses the needs of an aging population.

The toilet was designed by two former students at IED Barcelona Escola Superior de Disseny, Sanna Völker and Marta Cuquet, who studied product design and interior design respectively.

**UNITED ARAB EMIRATES**

**Smartphone Taxi App**

Together the Dubai Taxi Corporation, Microsoft and the Community Development Authority (CDA) have developed a new smartphone app that will allow people with hearing disabilities to order taxis, track their trip, calculate the fare and communicate with drivers by typing or selecting from a list of available phrases. The app, which took about a year and a half to develop, was designed after customer surveys revealed problems that people with disabilities face when using taxis.

Ahmed Al Hammadi, acting chief executive of Dubai Taxi Corporation, has said that, “About 30 percent of our customers have some form of disability and people with hearing disabilities have the most difficulty communicating with drivers.”

A survey conducted by the CDA showed that 89% of respondents with hearing disabilities used taxis to get to work, school or malls, and that half of them reported difficulties in communicating with drivers, with many resorting to written notes.

More surveys will be conducted in the future to see if the app can be expanded to help people with other disabilities, as well as be extended to phones that run on non-Microsoft platforms. The free app, which functions in English and Arabic, debuted publicly at the Gitex Technology Week at the Dubai World Trade Centre.

Vancouver’s new building By-law includes a number of accessibility requirements, including banning doorknobs in all newly constructed housing.
**Lighting: Not a UD Afterthought**, from page 1

As we age our eyes need more light; the average 60-year-old needs three times more light to read than the average 20-year-old. Indoors, bulbs with more lumens (higher light output) can be used to increase available light. More fixtures can be added as well, especially task lighting like floor and desk lamps with adjustable heads that focus light where needed. In the bathroom, providing two light fixtures along both sides of the mirror at eye level casts fewer shadows on the face than one overhead light, which can make grooming easier.

It is also important to increase ambient lighting in order to keep lighting levels consistent from one space to the next. Powell has found that, “People tend to try to solve the problem [of insufficient light] by using single, brighter fixtures causing hot spots and glare.” Hot spots act like spotlights, creating high contrast between light and dark areas. In order to respond to this contrast the eye has to make quick adjustments, making it harder to see.

Hotspots and shadows should be eliminated from floors and pathways. Dark shadows on floors can be interpreted by the mind as changes in level, which can lead to falls. The National Institutes of Health cautions seniors that six of 10 falls happen at home. Homeowners can reduce their risk of falls by eliminating deep shadows, lighting exterior and interior walkways, lighting all steps, stairs and level changes and reducing sharp transitions between light and dark areas.

“Exterior lighting in particular is often misunderstood. Many people think by putting a brighter bulb in their exterior fixture they are creating better light, but in fact what they are doing is creating a larger contrast between the dark night and the light,” explains Powell. “When lighting the exterior, several lower lumen output fixtures serve us better, making it easier for our eyes to adjust from dark to the light. Landscape path lights that just focus light down close to the ground can be a great solution.” Motion and light sensors can be used to automatically turn on exterior lights.

Glare from light fixtures and shiny surfaces can also hinder vision. Ambient lighting fixtures should include translucent shades to prevent direct view of bright bulbs. Likewise, cans for recessed lighting can be made deeper and undercabinet lighting can include a shield to block direct view of the light source. To reduce glare, non-shiny materials should be chosen for floors, walls and kitchen and bathroom counters.

The lenses of our eyes yellow as we age, giving everything we see a slightly yellow cast and reducing our ability to distinguish certain colors. Choosing lighting that is cooler along the color spectrum can help to compensate.

Interior nightlights can also be used to light the path from the bedroom to bathroom. Nightlights should give off a lower level light, or use dimmers, so that eyes can easily adjust to the light. Motion sensors can be used to automatically turn on nightlights when you get out of bed. As seen in [Universal Design Tips](https://www.UniversalDesign.com), (see box at left) an LED strip can be placed along the baseboards of a hallway to light the way at night.

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**Additional Lighting Resources:**

- **The Accessible Home: Designing for All Ages and Abilities**  
  By: Deborah Pierce, AIA  
  The Taunton Press, 2012  
  Price: $27.95

- **Lighting and the Visual Environment for Senior Living (ANSI Approved)**  
  Illuminating Engineering Society, 2007  
  Price: $65.00  
  Member Price: $45.50

- **Lighting for Universal Design**  
  By: Patricia Rizzo  
  Ultimate Home Design, Issue 07, Jan/Feb 2007  
  free PDF

- **Lighting the Way: A Key to Independence**  
  AARP Andrus Foundation and Lighting Research Center, 2001  
  free PDF

- **Lighting Your Way To Better Vision**  
  Center of Design for an Aging Society, 2006  
  free PDF

- **Universal Design Tips: Lessons Learned from Two UD Homes**  
  By: Ron Knecht & John Salmen, AIA  
  UniversalDesign.com, 2013  
  Price: $20.00
**Nest Protect**

How many of us have disabled a smoke detector to silence the chirping of a low battery or a false alarm while cooking? The Nest Protect smoke and carbon monoxide detector addresses these problems, ensuring that the smoke detector will be in working condition in case of emergency. The Heads-Up feature alerts users, in a pleasant voice, when the unit senses a low level of smoke, such as is often given off by cooking. Users can silence the alarm with a wave of their hand. If smoke levels rise, the unit will go into emergency mode, sounding a loud alarm and announcing in a clear voice which room the emergency is in. The unit’s Nightly Promise feature ensures that users will never be woken up in the middle of the night by the chirping of a low battery. Nest Protect’s light sensors detect when the lights have been turned off, initiating the unit to check that its sensors and battery are working properly; a green light will briefly glow to let users know that everything is working properly. The unit can also act as a night light, automatically turning on due to its motion sensor as you pass by. The Nest Protect can also send messages to a smart phone or tablet, informing users when an alarm sounds or batteries need to be changed.

**iBulb**

Security cameras can be a great Universal Design feature, allowing all homeowners to easily see who is at the door. This is why the iBulb LED bulb with a built-in wireless HD security camera won an Accessible and Universal Design Technologies Award at the 2013 Consumer Electronics Show. The discreetly hidden camera gets its power from the LED bulb, requiring no additional wiring or batteries. The camera’s signal is wirelessly sent to the user’s iPhone or iPad within a range of up to 70 meters. Users can operate all of the bulb’s functions from a free easy-to-use App, which allows users to view the 720P high definition video feed, take a snapshot and even turn the light on and off.

**Kohler HydroRail**

Hand held showerheads are a Universal Design must, but they can be difficult to install in remodeling projects since they often require alterations to in-wall pipes. Kohler’s HydroRail solves this problem by creating a shower column that can be installed without altering your in-wall plumbing. The HydroRail converts a single-outlet shower into a two-outlet system with rainhead and a handshower. Different configurations are available for both bath/shower and shower-only installations. The bar can withstand 300 lbs of tug capacity and also acts as a sliding mount for the handshower. The diverter switch allows users to easily switch back and forth between the rainhead and handshower, and is positioned at the bottom of the rail within easy reach of everyone.
100+ year old oak tree. The design team’s proposed solution was a terraced entrance with low long steps and a sketched ramp to be added on later. At that point, I knew we had offered the concept of “differing” too readily. We explained that we wanted the house’s lower level to be visitable, and eventually a redesign was settled on in which a gently sloped, permeable boardwalk skirts the tree and provides access to the house from the parking area. Creating an adaptable house that can adjust to your changing needs is a great UD strategy, but make sure that potential deferred elements will actually be easy and cost-effective to install at a later date and investigate whether a more UD solution is available in the present. Currently, the only elements of our plan that will be deferred are the elevator and the installation of grab bars in the blocked walls of the main level bathroom.

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Contractors may be accustomed to centered tub and shower controls, so double check to make sure that off-set controls are installed properly. Photo Credit: Universal Design Tips: Lessons Learned from Two UD Homes

ADA Live! Podcast Series

The Southeast ADA Center recently launched ADA Live! on WADA, the Center’s internet-based radio station. WADA ADA Live! will broadcast live on the first Wednesday of each month from 1:00 - 1:30 pm ET/12 Noon-12:30 pm CT. ADA Live! programs provide the opportunity for everyone to get up-to-date information on the ADA and call in with their ADA questions.

Listeners can call in with questions during the live show or submit their questions prior to the show, by visiting www.adalive.org. After each show, listeners can continue the discussion in a forum on the website. Real-time captioning will be available during the live shows. Recordings of past episodes, including a transcript, resources and more information will also be available on the website. Past shows have focused on employment and reasonable accommodations, veterans returning to work and accessible meetings and events. Visit www.adalive.org to listen to archived shows, participate in the forum or ask questions for upcoming shows.

ADA Live!, the new monthly podcast produced by the Southwest ADA Center, will cover a variety of topics relating to the ADA and give listeners a chance to submit their own questions.

ADA Live! Show Schedule:
- Jan 8th: Effective Communication
- Feb 5th: Service Animals
- March 5th: Voting Accessibility
- April 2nd: Pool Lifts
- May 7th: Emergency Shelter Preparedness
- June 4th: Outdoor Recreational Facilities
- July 2nd: Beach Access
- Aug 6th: Post-Secondary Education
- Sep 3rd: Web Accessibility

Circling Back with the Design Team, from page 6

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Our renovation is not finished yet and we fully anticipate more design challenges to come. We have learned the value of circling back with the design team at each decision point, reiterating the importance of UD and collaborating to solve problems while maintaining the goal of Universal Design.
**Aha! Moments**

**Knee and Toe Clearance**

Can you reach past your toes while seated? If not, then you’re not alone. Accessibility standards require that the forward reach to an element not extend beyond the edge of the toe clearance. You can extend the forward reach to an operable part by extending the knee and toe clearance under the element. This allows the forward reach to the element to be extended up to 25” maximum as long as enough knee and toe clearance is provided.

**PROBLEM:**

The 12” maneuvering space beyond the latch on the push side of a door with a latch a closer that is required for a forward approach is not provided.

**TIP:**

Is another approach to the door available? Doors may lack the 12” maneuvering space beyond the latch on the push side of the door as long as there is enough room for a side approach from the hinge. This condition is common in hotels where two guestroom entry doors are recessed in a shared alcove.

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**Our New eBook!**

UniversalDesign.com is pleased to announce the release of our new e-book, *Universal Design Tips: Lessons learned from Two UD Homes*. This book showcases two Universally Designed homes for aging in place, and includes floor plans, numerous color photographs and aging in place design tips selected to guide baby boomers through the process of designing, remodeling or building a home that can support their needs and lifestyle for years to come. For more information visit [www.universaldesign.com/ud-tips-book.html](http://www.universaldesign.com/ud-tips-book.html)
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<tr>
<td>January 9, 2014</td>
<td>Accessible Alterations presented by U.S. Access Board</td>
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<td>January 15, 2014</td>
<td>Accessibility and Historic Buildings by ICC Building Safety Association of Vermont</td>
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<td>January 17, 2014</td>
<td>What’s Your Plan? Barrier Removal in Title III Entities, Part 2 by Northeast ADA Center</td>
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<td>February 4-6, 2014</td>
<td>International Builder’s Show by National Association of Home Builders</td>
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<td>Kitchen &amp; Bath Industry Show by National Kitchen and Bath Association</td>
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<td>Accessible Routes on Sites presented by U.S. Access Board</td>
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<td>February 12, 2014</td>
<td>Let’s Talk about Effective Communication by Northeast ADA Center</td>
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<td>Urbaccess: European Accessibility and Universal Conception Show</td>
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<td>U.S. Access Board: Open Questions and Answers</td>
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<td>March 11-15, 2014</td>
<td>Aging in America Conference by American Society on Aging</td>
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<td>March 17-22, 2014</td>
<td>29th Annual International Technology and Persons with Disabilities Conference by Center on Disabilities at California State University</td>
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<td>March 21, 2014</td>
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<td>April 4-5, 2014</td>
<td>2014 Accessibility Summit</td>
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<td>The Spring 2014 National ADA Conference and Training by National Association of ADA Coordinators</td>
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<td>Environments for Aging Annual Conference by Environments for Aging</td>
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<td>Tales from the TA Line Part 2: State and Local Government – Related Inquiries by Northeast ADA Center</td>
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<td>July 9th, 2014</td>
<td>Twenty-four years of the ADA: Progress, Pitfalls and Possibilities by Northeast ADA Center</td>
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<td>International Summit on Accessibility by Carleton University, the Province of Ontario and the City of Ottawa</td>
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<td>Annual Mid-Atlantic ADA Update Conference by Mid-Atlantic ADA Center</td>
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<td>Housing Issues for People with Disabilities: The ADA and other laws by Northeast ADA Center</td>
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<td>NAHB Remodeling Show by National Association of Home Builders</td>
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