

Safety vs Aesthetics

Universal Design solves the Quandary

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Safe, healthy and functional = beautiful



Hazards of Bathroom Usage

Center for Disease Control:

- 80% of falls in home are in Bathroom
- 250,000 people fall in Bathrooms every year
- Falls are most common cause of Traumatic Brain Injury
- Over 60% of injuries occur in the tub and shower

Principles and Goals

Emphasizing safety

- Flexibility in Use
 - Simple and Easy to Use
 - Minimizes Hazards
 - Requires Low Physical Effort
 - Size and Space for Approach and Use
 - Body Fit
 - Comfort
 - Wellness
- Formulated by Ron Mace, Ed Steinfeld & others

Falls

Vicious Circle

- People who fall develop fear of falling
- This causes less activity
- Results in reduced mobility
- This then increases risk of falling
- “These injuries might be reduced through environmental modifications”

Client's Desires

- Cool, trendy bathroom
- Latest styles and finishes
- Good storage
- Stay within budget
- Spa look and feel

UD can fulfill these



Universal Design Vanities and Lever Faucets



Suggest using “Spa Shower” or “Glam Powder Room” in lieu of “handicapped”

Client Photo Ideas

- Online Ads
- Websites
- TV
- Magazines



Be thinking of the ways to utilize Universal Design

Explain Universal Design



What UD is all about

How it can benefit them

- Easier to use
- Safer to use
- Convenient to use
- Any guest can use, no matter their abilities
- Hip, knee, foot surgery
- Parent recovering at home
- Aging in place independently

Universal Design



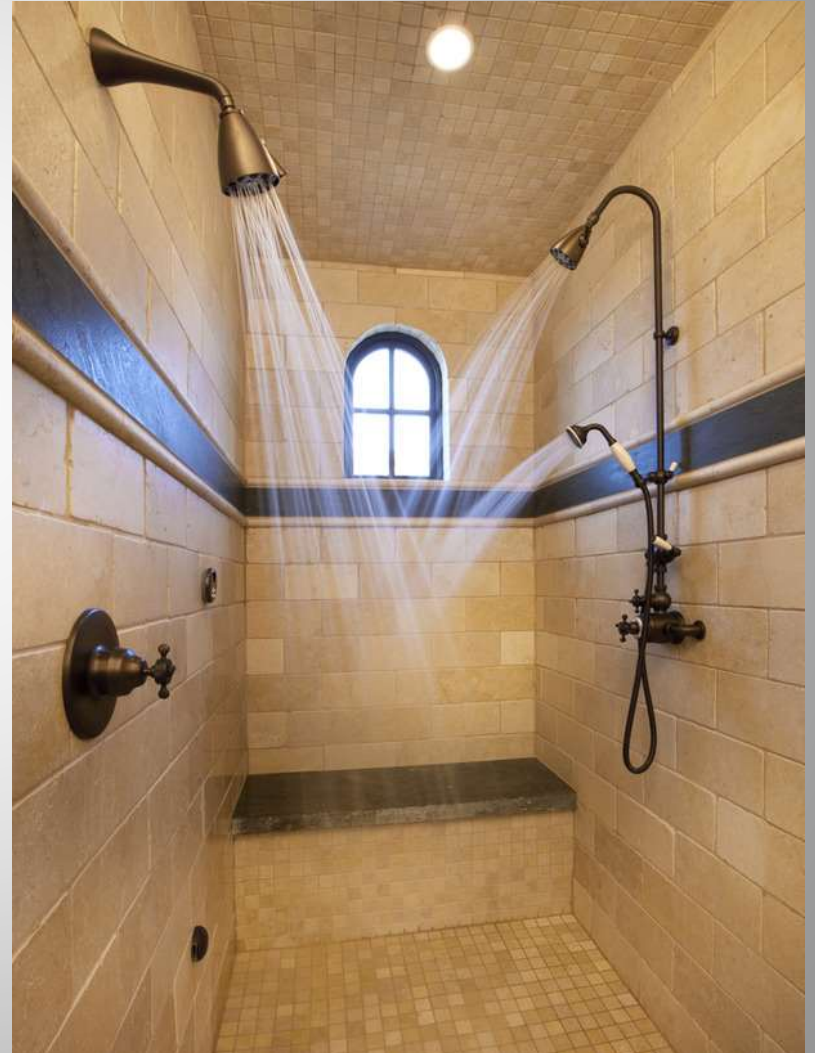
Close



Suggest Safer Alternatives



Universal Design Showers



Universal Design Tubs



Think about Safety



Wet Steps are Slippery



Tub in Shower Enclosure



Beautiful Grab Bars



Total Wet Room



Universal Design Showers



Specialty Toilets



Universal Design Showers



Transfer Space



Good Air Circulation



Good Air Circulation



Natural Daylighting



Biophilic Design



Tiled Surfaces



Natural Stone Flooring



Universal Design Flooring



Universal Design Storage



Universal Design Storage



Be Thinking

Can this bathroom be used safely by:

- Wheelchair/mobility aid user—15.2 million
- Stroke victim—only one usable side—4 million
- Visually impaired /aging eyes—6.6 million
- Arthritic person – 40 million

Can this bathroom be used safely by:

- Person with broken bone
- Person with back, knee or hip problems
- Elder with little arm strength
- Pregnant woman
- Child, Adult and Grandparent

4.3 + Million Multi-generational Homes

2010 US Census – 15% increase

- Short, tall or obese person
 - CDC : 35.7% of Adults are Obese
 - 17% of children 2-19 years of age

Life Stages

Encourage clients to view their home as needing to be adaptable and flexible.



Needs change and homes must be usable at the many stages of life.

Universal Design doesn't look like this!

