



## UNIVERSAL DESIGN

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FREEDOM CONSTRUCTORS

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### Freedom Constructors – Who We Are

- Trainings and Certifications
  - CAPS I & II Courses (Certified Aging-In-Place-Specialist)
  - Universal Design Course – Through NAHB
  - CEAC (Certified Environmental Access Consultant) through AHIA
  - LEED Accredited Professional
- What We Do
  - New Builds
  - Remodels
  - Bathroom Accessibility
  - Consulting




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### Universal Design

- “Universal Design (UD) is environmental design that enhances usability in everyday activities and respects differences in people relating to age, size and disability”.
- “UD does more than simply address access for a specific need; it embraces all people as equal to the greatest extent possible in respect to their diversity”.
- Designing a home or building so that anyone, age 3 to 103 with any disability will be able use it safely, comfortably, and conveniently.



\*NAHB Universal Design/Build Course

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## UD Continued

- Principles and Concepts, NOT Dimensions and Certifications
- NOT ADA
- NOT just for mobility devices
- NOT the same for everyone



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## 7 Principles of UD

- 1.) Equitable Use
  - Design is appealing to all users
- 2.) Flexibility In Use
  - Accommodates a wide range of abilities
- 3.) Simple and Intuitive
  - Eliminate unnecessary complexity
- 4.) Perceptible Information
  - Designed effectively regardless of user's sensory abilities
- 5.) Tolerance For Error
  - Minimize hazardous consequences for accidental actions
- 6.) Low Physical Effort
  - Efficient and comfortable
- 7.) Size and Space for Approach and Use
  - "Open Concept"



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## 4 Common Concepts

- ACCESSIBLE
- CONVENIENT
- COMFORTABLE
- SAFE

The end result: to increase quality of life



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### 3 Areas of Importance

- Entering the home
- Maneuvering around the home
- Using the bathroom

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### Case Study



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### Case Study



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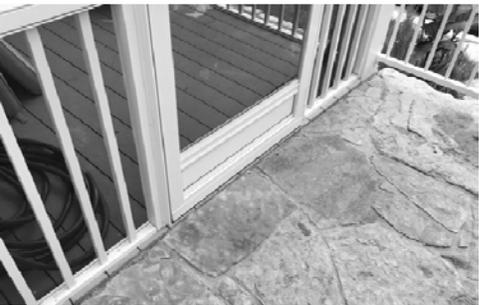
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**Universal Design** 

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