The Basics of Universal Design

(Remember to check off ABCDEF on every project)

A   Accessible Route
B   Bathrooms and Kitchens
C   Controls
D   Doors
E   Electrical, Mechanical, Acoustical
F   Furniture and Fixtures
The ABC’s of UD in Every Space

A  Accessible Route
  ◆ 3’ clearance
  ◆ 4’-5’ halls
  ◆ 5’ turn-arounds in all rooms
  ◆ Not exceeding a 5% slope
The ABC’s of UD in Every Space

B  Bathrooms and Kitchens

◆ ¾” plywood on all walls
◆ 9” kick with drawers
◆ 4’ max. height of most storage
◆ Wall mounted cabinets - attached splash
◆ Flattened “J” trap - horizontal drain pipe
The ABC’s of UD in Every Space

C Controls

- 4’ max. height
- Usable with a closed fist
- 4’x2’6” clear floor space at each control
The ABC’s of UD in Every Space

D  Doors

◆ 3’ width - door bottom instead of threshold
◆ 5’ x 5’ clear floor space on both sides of all doors where possible
◆ Where not possible, use sliding or automatic doors
The ABC’s of UD in Every Space

E   Electrical, Mechanical, Acoustical

◆ 100 fc of glare free lighting on rheostats where visual acuity is required.
◆ Radiant under-floor heat
◆ Control of ambient and transmitted noise
The ABC’s of UD in Every Space

F  Furniture and Fixtures

- 1’5” to 1’7” seat height including toilets
- 2’3” clearance below accessible surfaces
- 4’ height max. on most storage
- Side hinged appliances
- Shower with trench drain and seat
- Support and wiring for bathroom lifts
- Non-slip and non glare finishes
- Furniture arms and grab bars well forward
- Vertical & horizontal bars at showers, baths, & toilets.