

# 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**

- ◆ 3/4" 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.





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