

### Safe and Accessible Modifications for Independence

SAMI

RL Mace Universal Design Institute



Home Depot



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### Interior Design Objectives

- Usable kitchens
- Environmental quality
- Accessible route through house
- Maneuvering space in each room
- Useful home technology
- Good product selection
- Safe/usable bathroom
- Reachable storage and controls
- Adaptable vertical circulation



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### Design Objectives

- Safety
- Independence
- Meaningful activities
- Caregivers



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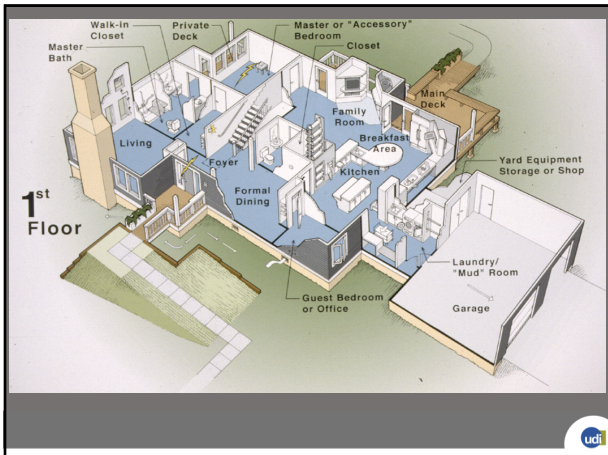
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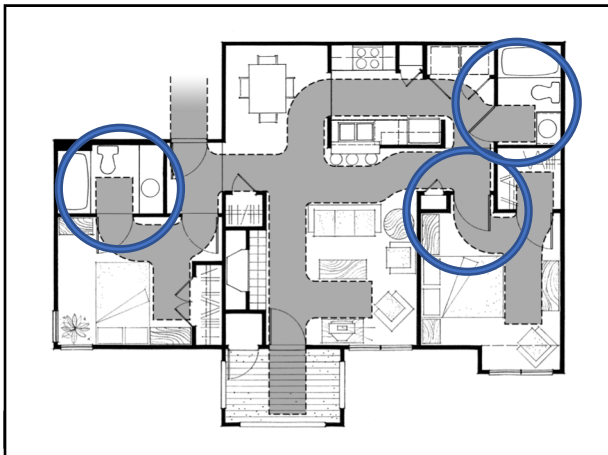
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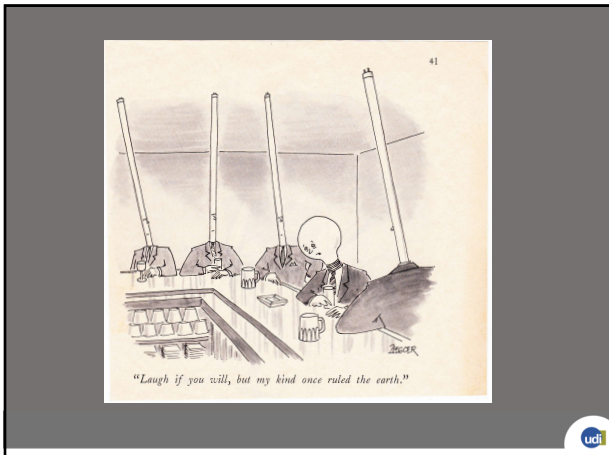
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### Minimum Lumen Levels

Area of Home	Footcandles
Stairway	10-20
Hallway	5-10
Kitchen	50-100
Bathroom	10-20
Home Office	30-50
Laundry	50-100

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### Light Levels

- Lumens
- Footcandles
- CRI – temperature - adjustability
- Added lumens/dimmable bulbs
- Measurement – phone apps
- Remote control



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### Under Cabinet



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### Edge Treatment



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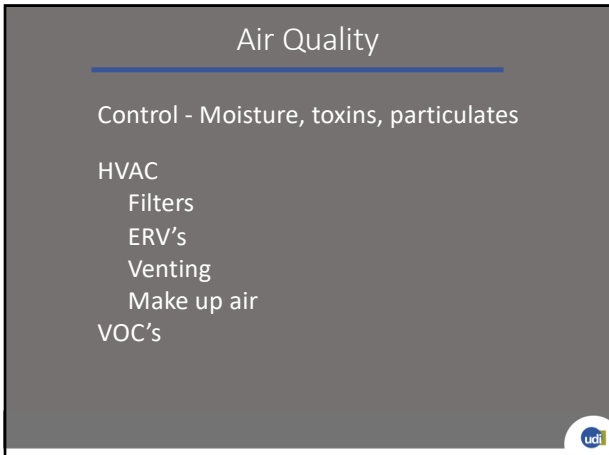
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Work Surfaces



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Work Surfaces



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Pull-out Worktop



*Kraftmaid, Passport Kitchen*



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Removable  
Cabinet and  
Adjustable  
Counter



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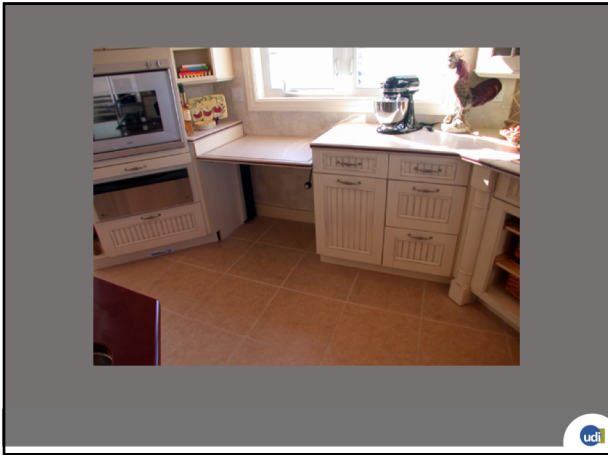
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Adjustable Sink Counter



General Electric, Real Life Design Kitchen

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Storage



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### Kitchen



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Hafele



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Pull Out Shelving



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Full  
Extension  
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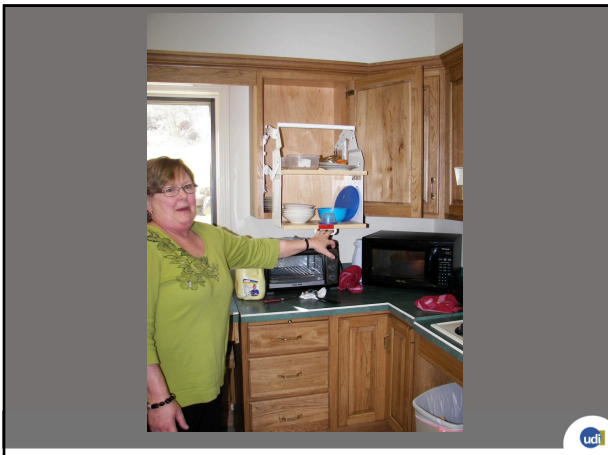
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Adjustable Height Wall Cabinets



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Pantry Storage



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Storage at all reach ranges



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Pantry Storage



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Rolling Carts



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Open Shelving



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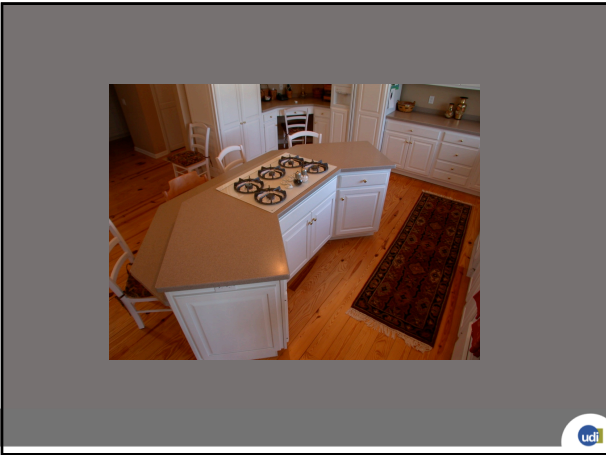
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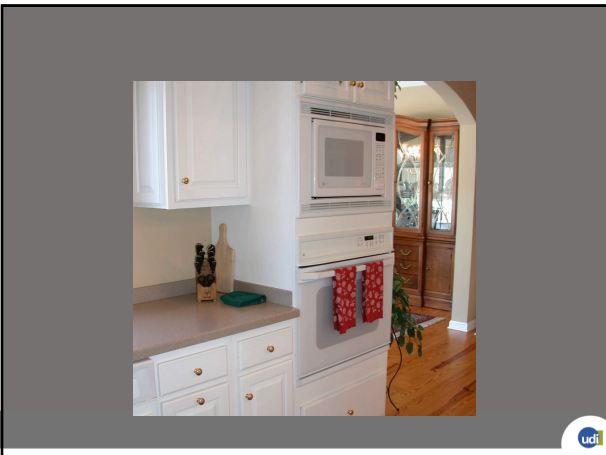
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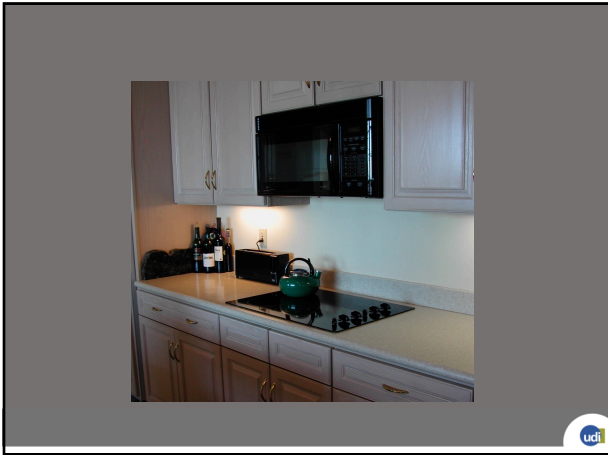
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Maneuvering Room



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Wall  
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Easy Height



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Drawer Type Appliances



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Smart Appliance

- Internet Access
- Television
- Grocery List
- Family Schedule

LG ELECTRONICS  
[www.lgeus.com](http://www.lgeus.com)



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Accessible Kitchens



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Very Accessible - Not UD



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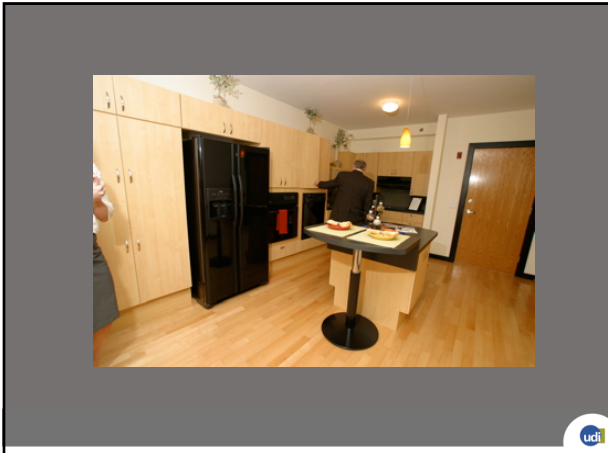
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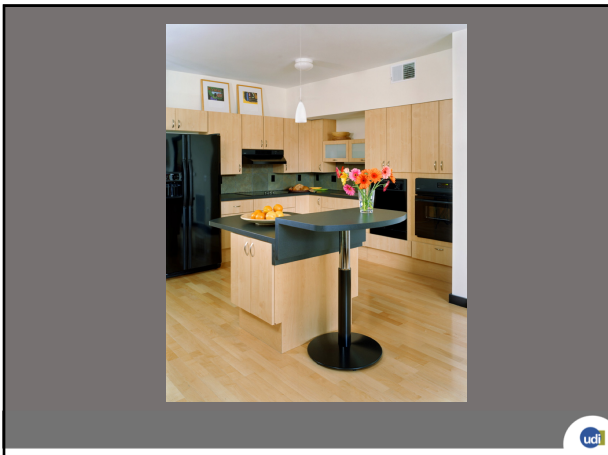
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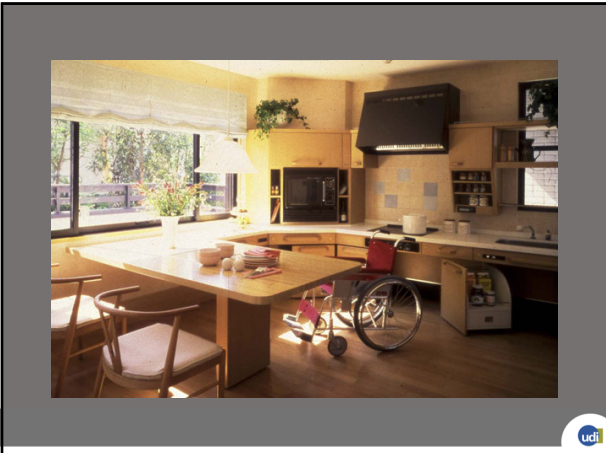
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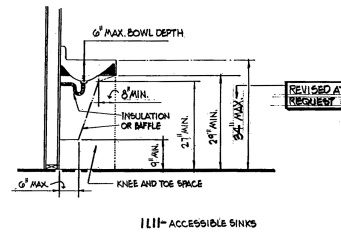
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Accessible not always Universal



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The  
Universal  
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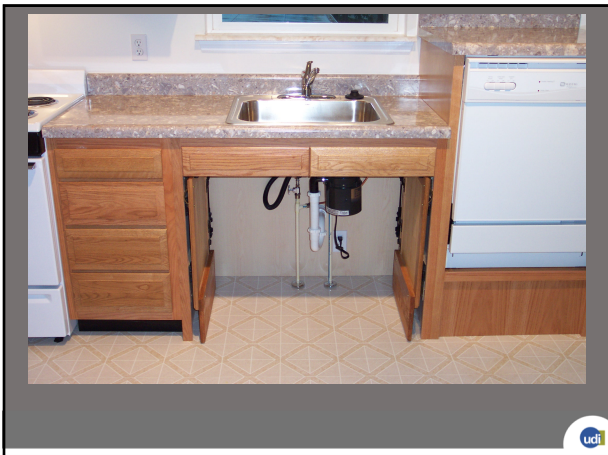
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### Design Considerations

- Heights of counters
- Heights of cabinets
- Placement of controls
- Knee Spaces
- Working spaces



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### Delta Touch – BLD Award



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### Front Operations



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### Universal Design



For Loved Ones

Images courtesy of the Center for Universal Design.



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National Association of Home Builders Research Center  
Upper Marlboro, MD



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### Raised Front Loading W/D



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Combination Washer/Dryer



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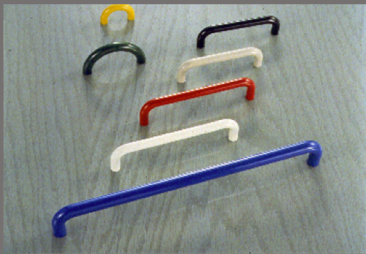
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Loop Handles



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### FAMILY FOCUS



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### CONNECT WITH US!

Asheville, NC

Office: 919.608.1812  
[www.betterlivingdesign.org](http://www.betterlivingdesign.org)

Richard Duncan  
[rduncan@betterlivingdesign.org](mailto:rduncan@betterlivingdesign.org)



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### FIND US ON SOCIAL MEDIA

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Richard Duncan



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