

**ADA**

**ACCESSIBILITY**



**HANDBOOK**

**by**

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# ADA HANDBOOK

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### **Who Are The Disabled?**

People who have-

1. Physical Impairments
2. Visual, Speech, and Hearing Impairments
3. Mental Retardation
4. Medical conditions- Cancer, Epilepsy, Heart Disease
5. HIV and AIDS Infections
6. Alcoholism or History of Drug Addiction
7. The Elderly

## **Disability**

- Trauma-mental or physical anguish resulting in disordering abilities
- Genetics- chromatin indifferences causing deformities or malfunctioning abilities of the human anatomy
- Disease-A disease can be contracted or be genetically founded such as Diabetes
- Limits a persons mobility, hearing, vision, speech, mental

## **Handicap**

Handicap means, with respect to a person-

- A physical or mental impairment, which substantially limits one or more of such person's major life activities.
- Attitude constraint/ mental anguish
- Imposed regardless of whether that person has a disorder, having a record of such impairments
- To put at a disadvantage



### **Mission Statement**

Accessibility in an inaccessible world. The scope is of creating livelihood to promote and encourage independence, in which having human dignity in equality of life by treasuring the conditions of individuals. An ADA consultant could aide, define and strategize accessible designs and concepts to complete the Utilitarian Design Theory. The Commitment and intent is to increase awareness of the Universal Design importance and Utilitarian Design concepts thru Architecture.

# Universal Design

Utilitarian Design  
Rehabilitative Architecture  
Barrier Free  
User Friendly

- Universal Design-Universal is defined as knowledge.
- Utilitarian Design Theory proposes the most manageable, effective, and useful architecture applying sustainability and having aesthetics (concinntas).
- Rehabilitative Architecture creates accessibility throughout designs and concepts to let people continue and reenter life with disabilities.
- Americans with Disabilities Act generates accessibility guidelines for buildings and facilities with no barriers
- Consultations on ADA building regulations consider mass handicaps, which can develop ergonomically, sound environment that are user friendly.

## **The Americans with Disabilities Act**

Employment responsibilities for businesses under the Americans with Disabilities Act, Rehabilitation Act, and Oklahoma state law.

- ADA Title 1 Employment - Prohibits employment discrimination based on disability.
- Rehabilitation Act, title V, sec. 504 employment - Prohibits discrimination based on disability in federally funded programs.
- Rehabilitation Act, title V, sec. 503 employment – Affirmative action program for hiring qualified individuals with handicaps.
- Oklahoma General Laws-title 25 OK statutes 1991, as amended, sec. 1101, et seq. Employment - Prohibits employment discrimination based on handicap.

The Americans with Disabilities Act-ADA, is not a building code, ADA is a **CIVIL RIGHTS ACT/LAW-AMENDMENT** to the United States Constitution.

The *Department of Justice* heading the *US Attorney General* office is responsible for interpreting the Equal Employment Opportunity Commission-EEOC. The EEOC uses the Uniform Federal Access Standards-UFAS and ADA Accessibility Guidelines-ADAAG for fielding approximate solutions. Accessibility issues may seem to put restriction on Architects creativity; but these issues could enhance designs, moving architecture in a more sophisticated fashion or trend.

It is the policy of the United States to provide, within constitutional limitations, for fair housing throughout the United States. No person shall be subjected to discrimination because of race, color, religion, sex, handicap, familial status, or national origin in the sale, rental, or advertising of dwellings, in the provisions of brokerage services, or in the availability of residential real estate-related transactions.

(100.5 **Scoop** P 541 ADA and Fair Housing Amendments Act)



## **History**

ADA signed by President Bush on July 6, 1990 is a landmark  
legislation to extend civil rights protection to people with  
disabilities

Legislation- non discriminative

Disabilities- employment and life opportunities

Specific design guidelines – federal register

Babylon ramps no steps

## Creative Solutions

♦Ask: In what ways can we...?

–Assess the situation

– Employment



- Smart home at O.S.U-Dorset Home
- Designs that create ergonomics
- Home ergonomics - Adapting conditions to people to better improve living conditions including household chores and duties so that the client may live independently with comfort ability.

- Accessibility Cost is 5% more in expense
- ATM's, kitchen appliances, double doors, roll under cabinets.
- 32" clear opening
- Level and clear pathways – contrasted colored carpet patterns  
for the vision impaired
- 5' turn around radius
- Light switch heights
- Counter heights
- Lower mirrors to 40 " max above floor useful for seated  
person
- Faucet handles with lever type action for people with arthritis  
and other hand limitations that might have difficulty with  
knobs
- Adjustable countertops
- Proper temps – Body temperature pulse for automatic room  
to room body regulated temperatures
- Improved parking for the disabled
- Slope pitch – 1 to 12 with handrails, 1 to 20 w/o handrails

- Label
- Same experience
- Designs that create ergonomics- Home ergonomics

Adapting conditions to people to better improve living conditions including household chores and duties so that the client may live independently with comfort ability

### **Strategies**

- State vision and long term direction
- Multiple points
- Cost verses moral aspects
- Surveys showing Needs
- Funding -Federal Grants, State Grants, Private Grants
- Maximum effect or result

## **Recommendations on Strategies-**

Hygiene within the workplace could deal with accessibility issues making a better working environment.

ADA regulations could be enhancements or added qualities of the Utilitarian Design Theory.

ACCESSIBILITY BOOKS-CALIFORNIA-federal and state  
ADA regulations combined.

- Wheelchair Accessible Designs-[www.ssblueprints.com](http://www.ssblueprints.com)
- ADA and Fair Housing Amendemnts Act
- Process consulation-Schien, Edgar H. 2nd edition
- Weinberg Gerald- The secrets of consulting



NOTES: