

● ● ● | Home Modification  
for Changing or  
Temporary Needs

By  
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Assistant Director of Independent Living  
Society's Assets, Inc.

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● ● ● | "Peter Pan" Housing



- Homes built  
as if people  
never change  
and no one  
grows old.

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● ● ● | What will you learn today?

- Low cost modifications
- High cost modifications
- Identify potential funding sources

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● ● ● | **How to make a home accessible?**

- Purchase an accessible home
- Modify/remodel the existing home
- Use assistive technology

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● ● ● | **Where we need Assistive Technology**

- Home Entry
- Interior Access
- Bathroom Modifications
- Bedroom Modifications
- Kitchen Modifications
- New Home Construction

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● ● ● | **At Each Home Visit**

- Smoke Detectors
- Emergency Exit
- Notify 911
- Method to call for help
  - Personal Emergency Response System
  - Alerting system inside the home

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## ● ● ● Telephones

- Amplified Phones
- Large Button
- Cordless
- Hands Free
- Emergency Auto-matic Dialer
- Picture Memory
- Speaker
- Video Phone




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## ● ● ● Clarity Fortissimo Speaker Phone (Voice Activated)



- Loud, clear speaker phone.
- Digital Answering machine.
- Large Color Touch Screen.
- Talking Caller ID Pad/Talking Keypad
- Tone Control
- Bluetooth connectivity for pairing with wireless devices such as headsets and neck loops...
- Remote Pendant
  - With built in microphone that allows you to roam freely, answer and end calls, and communicate even when you are not near the phone. \$79
  - Expansion handset \$99
  - Switch access and lapel mic

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## ● ● ● Hearing Assistance

- Safety
  - Visual Smoke Alarms
  - Light strobe for door bell
- Head sets
- Sonic Hearing
- Vibrating alarm clocks
- Amplified phones
- Vibrating watches




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## Personal Emergency Response Systems



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## Life-line

o The main lifeline telecare equipment include:



- **Pendant alarms:** This sends an alert to the response center if the person is having difficulties.
- **Fall detectors:** This automatically alerts the response center if a fall occurs.
- **Flood detectors:** This automatically alerts the response center if a flood occurs.
- **Smoke detectors:** This automatically alerts the response center if there is smoke from a fire.

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## In Home Intercom Systems

- o Through the telephone
- o Intercom
- o Baby monitor
- o Wireless door bell



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● ● ● | **Video Monitor**  
<http://steminnovation.com/section/iZON/24/>



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● ● ● | **Getting safely in and out of your home**

- Railings
- Ramps
- Platform Lifts
- Changing the swing of a door
- Removing a screen door
- Using set back hinges
- Creating a new opening



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● ● ● | **RAMPS**

- **Portable ramps** are small and designed for no more than three steps. They are easily carried and stored.



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● ● ● | RAMPS

- **Wood ramps** are a permanent structure and must meet building codes.



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### Important Measurements <http://safepathproducts.com/>



- o More than 1/2" should be ramped




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### Critical Measurements

- Doorways
  - ADA - 32" clear width, 30" ok
  - 36" doors preferred
  - Screen Door
- Hallways
  - Minimum 36"
  - 48" preferred
  - Note "pinch points"
- Thresholds
  - Anything over .5" should be ramped.
  - "Get level" when measuring.

If your client is currently in a wheelchair, then they can just show you the problem spots.

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### Doorways

- o Off Set hinges
- o Pocket Doors
- o According doors
- o Curtains
- o Door Widening




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# Opening Doors

- o IR & RF
- o Automatic door openers
- o Lever handles
- o Add on knobs




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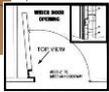
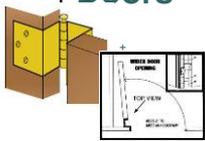
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# Doors



- o Off Set Hinges
- o Accordion Doors
- o Pocket Doors
- o Automatic Door Opener

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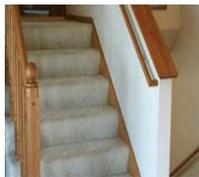
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# Threshold Ramp, handles, lighting




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## ● ● ● Low Cost Option

- EZ Step, Inc.
- <http://www.goldviolin.com>



Low Rise Steps

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## ● ● ● Stairs

- Lighting
- Color Contrast
- Texture Contrast




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## ● Ramps/Lift Alternatives

### Stair-Track



- <http://www.youtube.com/watch?v=ICqG7sARFhw>

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## ● Emergency Evacuation

Stair-Track



Ski Sheet

- <http://www.evachair.co.uk/evacuation-aids.aspx>
- Mini Slide

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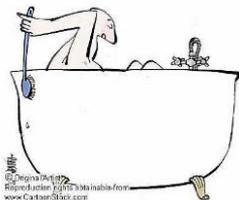
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## ● Bathroom




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## ● Critical Measurements Bathroom



- – Door Threshold
- • inside and out
- – Tub
- • Tub Doors?
- • Height of Tub Edge
- – Shower Stall
- • Threshold – inside and out
- Size of stall – built in seat?
- • Type of door
- • Toilet
- – Height of Toilet Seat
- • TAKE A PICTURE

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● ● ● Roll-in Shower Alternatives  
[www.myshowerbuddy.com](http://www.myshowerbuddy.com) (manufacturer)



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● ● ● Roll-in Shower Alternatives  
[www.myshowerbuddy.com](http://www.myshowerbuddy.com)



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● ● ● Portable Options  
<http://www.nuprodx.com/>



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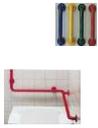
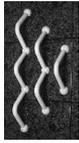
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### Choices of Grab Bars

There are many choices in grab bars. Choices include:

- color
- shapes
- size
- position
- folding
- length
- angled




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### Tub/Shower Seats\*



Chairs



Stools



Benches

These chairs provide a place for the person to sit while bathing.

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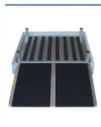
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### Roll-in Shower Alternatives

o [www.pviramps.com](http://www.pviramps.com)



o [www.guldmann.net](http://www.guldmann.net)




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## Toilets



Raised Seat with Bars\*



Lift Seat



Bidet



Raised Seat\*



Raised Toilet

Raising the seat or toilet assists people with poor physical strength in the legs to get up or down.

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## Transfer Benches/Boards

These devices allow a person to move from a seated position outside the tub to inside the tub.



Beasy board – where a person can slide over and rotate into the tub



Fold up seat mounted to the wall.



Bench that sits on the edge of tub with chair inside and bench part outside.

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## Bath Lifts\*



Bath Lifts help move the individual in the bath tub up and down to have a bath. They can be water or battery powered.



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• • • Bathroom Modifications



Shower with rotating seat



Tub cut out so person can walk in



Roll-in shower

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• • • Barrier Free Lift Systems



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• • • Portable Barrier Free



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● ● ● | Portable Lift System



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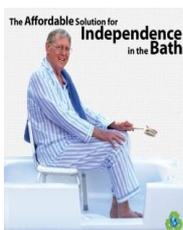
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● ● ● | Bathtub Cutout



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EZ STEP, INC.

W. 8580 Yosemite, Rathdrum, ID 83858  
PH: (208)771-0630



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## Bathroom Safety

- o Foot Flush
- o Nonskid mat, friction tape or patterned appliqué strips to tub/shower
- o Shower baskets to hold items close by
- o Long handle sponge
- o Foot Scrubber
- o Suction cups for bath chairs
- o Movable Mirror
- o Soap dispenser



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## No Bathroom Access

- o EZ-Bathe
- o EZ-Shampoo
- o EZ-Shower



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## No Bathroom Access

Portable Shower System - FAWSSit



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## No Shower Access



Tray collapses to floor for wheelchair access, bounces back automatically.

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## Accessible Sinks



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## Faucets.

- o Hand held shower
  - Long hose
  - On/off switch on shower head
  - Mounted on a glide bar
- o Faucets placed outside tub area
- o Automatic water turn on
- o Temperature control
- o Lever handles
- o Removable spout
- o High spout



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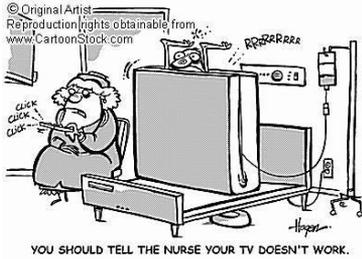
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## ••• Bedroom




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## ••• Bed Rails



Bed rails come in many forms and sizes.




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## ••• Beds & Accessories.

- o Risers
- o Hospital bed
- o Bed Pull
- o Trays by bed
- o Waterproof mattress pads
- o Foot protectors
- o Wardrobe lifts




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## ••• The Accessible Bedroom




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## ••• Kitchen




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## ••• Kitchen Modifications

- o Lower cabinets
- o Open under sink
- o Pull out shelves
- o Raised appliances
- o Automated sink, stove and cabinets
- o Lower work surfaces




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••• | **Open Cabinets**



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••• | **Smart Appliances**

- Side by side refrigerator
- Front control on appliances
- Raised appliances
- Drawer appliances
- Remote control hood
- Side opening oven
- Talking Microwave



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## ● ● ● Living Areas



I can't really be a "couch potato" so I occasionally refer to myself as a "chair chip".

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## ● ● ● Electrical Aids.

- Automatic switches
- Light switch pull
- Large knob turner
- Sound activated
- Touch activated
- Remote switch



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## ● ● ● Furniture risers



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## ● ● ● Easy Household Adaptations.

- Key Holder
- Knob Turner
- Lever Door Handles
- Pulls



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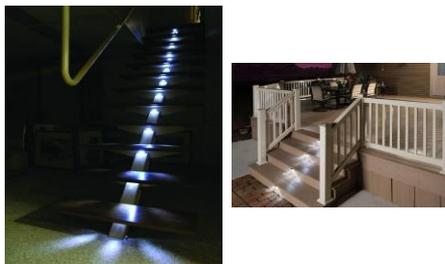
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## ● ● ● STAIRLIGHTING KIT



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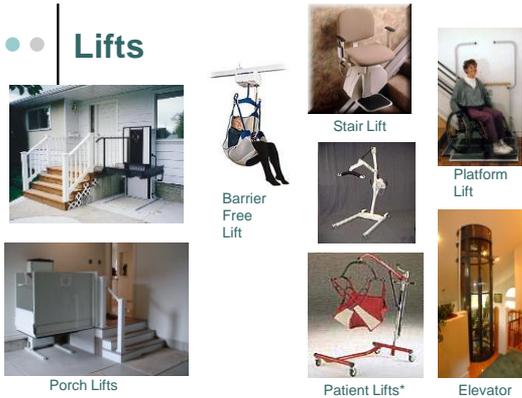
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## ● ● ● Lifts



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### Transferring Consumer – Hoyer Lift Alternatives



www.liko.com

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### Reachable controls, switches, outlets, thermostat

- o Sound activated light switch
- o Motion detection switch
- o Remote switch



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### Low Vision Lighted Products



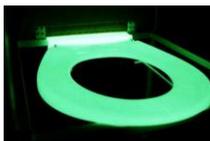
Bright Feet Slippers



Great Grips  
Faucet Cover



Glow-in-the-dark tape



Glow-in-the-dark toilet seat



Pathlighter Cane

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## Color & Texture Contrast




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## New House Design

- o **Additional Suggestions**
  - 1) lever-style door handles
  - 2) lower windowsills than the norm, so that Don gets a better view from a seated position
  - 3) Carpeted rooms with a very short looped carpet with a dense commercial grade padding underneath that is glued on both sides. (The wrong choice of carpeting and padding can make it difficult-to-impossible for wheelchair and walker users.)
- o 4) single lever faucet handles
- o 5) First floor laundry Accessibility in and around the home
- o Open floor plans
- o Control panels for electric on main level

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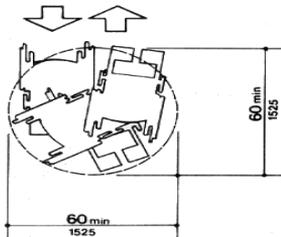
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## Moving around inside your home

- 30" X 40" clear Floor space
- Turning radius of 5 feet.




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## Funding

- Sources of Funding
  - Long Term Care Insurance
  - Vocational Rehabilitation
  - Veterans Administration
  - Grant/Loan – Rural Development
  - Local Community Block Grants
- HUD – Residential Rehabilitation
  - Loan /Recycling Programs
  - Disease Specific Organizations
  - Patient/Family

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## Additional Product Resources

- |  |  |
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| o • <a href="http://www.rjcooper.com">www.rjcooper.com</a>                 | o • <a href="http://www.healthcraftproducts.com">www.healthcraftproducts.com</a> |
| o (switch adapted chime)   | o • <a href="http://www.brondell.com">www.brondell.com</a>                       |
| o • <a href="http://www.adaptivelifts.com">www.adaptivelifts.com</a>       | o • <a href="http://www.myshowerbuddy.com">www.myshowerbuddy.com</a>             |
| o • <a href="http://www.garaventalift.com">www.garaventalift.com</a>       | o • <a href="http://www.nuprodx.com">www.nuprodx.com</a>                         |
| o •  | o • <a href="http://www.pvcdme.com">www.pvcdme.com</a>                           |
| o <a href="http://www.safepathproducts.com">www.safepathproducts.com</a>   | o • <a href="http://www.pviramps.com">www.pviramps.com</a>                       |
| o • <a href="http://www.dynamic-living.com">www.dynamic-living.com</a>     | o • <a href="http://www.guldmann.net">www.guldmann.net</a>                       |
| o • <a href="http://www.smarthome.com">www.smarthome.com</a>               | o • <a href="http://www.fawssit.com">www.fawssit.com</a>                         |
| o • <a href="http://www.optexamerica.com">www.optexamerica.com</a>         | o • <a href="http://www.liteshower.com">www.liteshower.com</a>                   |
| o • <a href="http://www.bhm-medical.com">www.bhm-medical.com</a>           |  |
| o • <a href="http://www.liko.com">www.liko.com</a>                         |  |
| o • <a href="http://www.clarkehealthcare.com">www.clarkehealthcare.com</a> |  |

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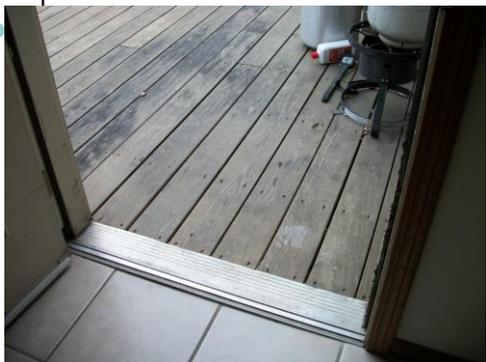
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Basic home access is **convenient** for all....

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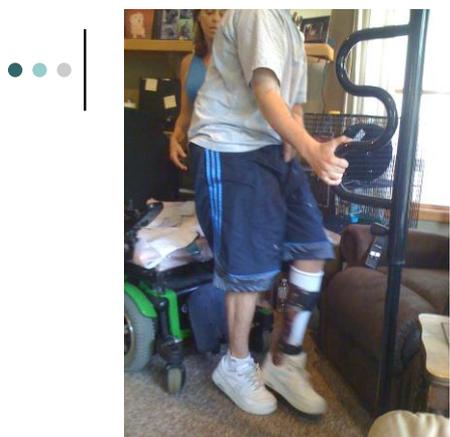
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## THANK YOU!

o QUESTIONS?????????????

o My Contact Information:

- Linda Vogelmann
- Assistant Director of Independent Living/Society's Assets, Inc.
- Assistive Technology Practitioner
- Certified Aging in Place Specialist
- 262-637-9128 x 3608
- lvoelmann@societysassets.org

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