Occupational and Physical Therapists Guide to Home Modifications





PERSON CENTERED APPROACH

Each person should be given the opportunity to take part in the decision making process

Home mod solutions will be individual because each person with a disability is an individual

People facing a similar obstacle may require a different solution due to their specific needs

BUT.....

This doesn't mean that all requests for a home modification will be approved.



The OT/PT evaluation still must justify the need for the home mod in order for the person to remain in their home.

The home modification being proposed must be for the benefit of the client.

Currently, the lifetime cap for home mods is \$14,000. (prioritize list of home mods)

Duplication of services is not currently allowed.



Getting a signature on the OT/PT evaluation

The goal of obtaining the client's signature is to ensure that the client is being informed about what modifications will be done to their home with the understanding the proposed home mods can change.

The OT/PT is not required to make multiple trips to the client's home in order to obtain the signature.







The more information and detail you can provide on the OT/PT evaluation, the better!!



THANK YOU!!!



Common Home Modification Terms

Ramp Landing Ramp Run 1:12 Ratio Threshold Ramp Portable Ramp Roll In Shower Walk In/Step In Shower Hand Held Shower Hose with Diverter Glide Rail/Remote Holder VPL-vertical platform lift Stair Glide **Swing Clear Hinges Cased Opening** Barn Door **Transition Strip**

Wall Hung Sink
Pedestal Sink
Vanity/Base Cabinet
Off Set Drain
Walk In Tub
Tub Cut

RAMPS

Important factors to consider when constructing or installing a ramp

Which entrance will provide the best access?

Is there enough room? Since most ramps are constructed to a 1:12 ratio (one foot of ramp for every one inch of height), is there enough room for the proper size ramp, including landing(s). Is a platform lift more appropriate?

Are there any obstacles that can be easily removed or relocated? Landscaping, flower pots, bird bath, gutters/downspouts etc.

Are there any obstacles that are difficult to remove/relocate or that cannot be removed/relocated? Trees, basement window wells, access to septic tank, exterior water faucet, sprinkler heads, electrical panel, etc.

Does the site have a steep slope? Does the area of egress slope away from the home?



RAMPS

Important factors to consider when constructing or installing a ramp

Will there be access from the egress point, like a driveway, to the bottom of the ramp. Where will the ramp end?

What material is being used? Concrete and metal ramps are typically more expensive than a wood ramp but require less maintenance. Wood ramps are more aesthetically pleasing and look less "institutional" than a concrete or metal ramp. Metal ramps can be removed and re-used in another location.

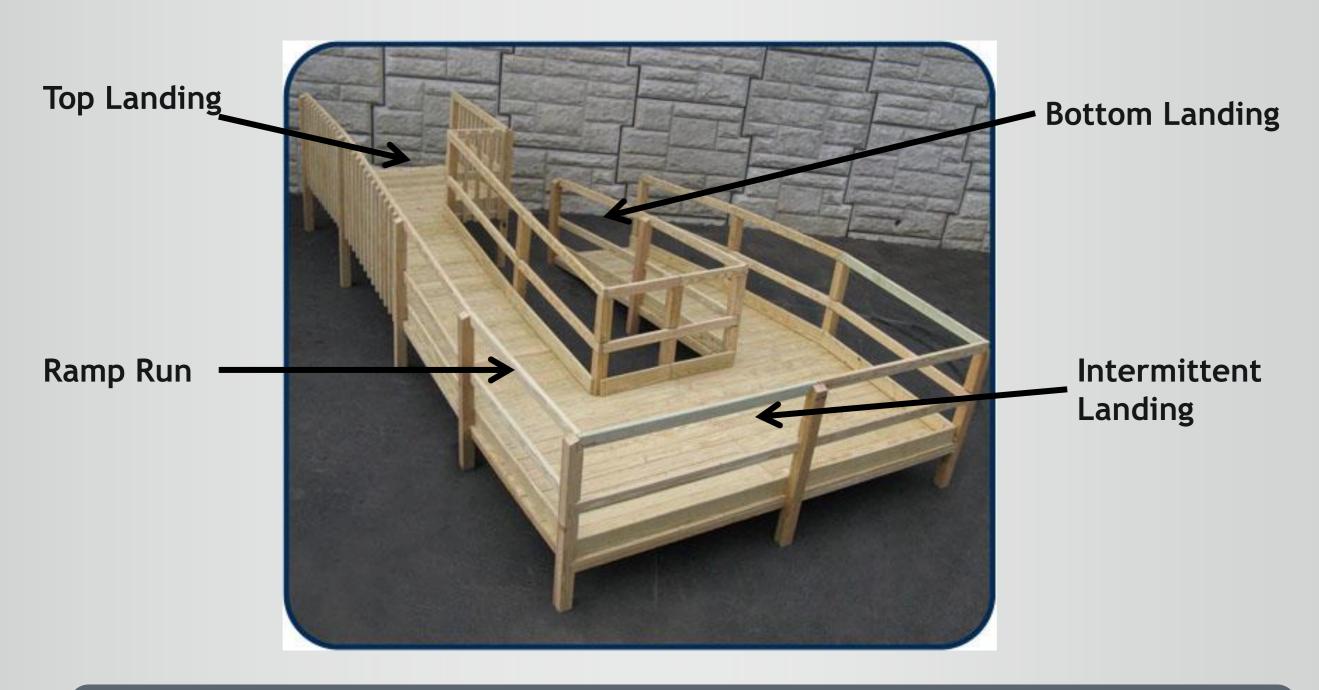
Consider slip resistance surfaces on the ramp runs. Concrete ramps can be finished with a texture. Metal ramps can have a grated surface. Wood ramps will need to be treated with a slip-resistant surface.

Installing a cover over the ramp will NOT keep snow and water from accumulating on the surface of the ramp. Snow removal will still be necessary.

Be sure the ramp doesn't become an obstacle.



All ramps with a straight ramp run must have a top and bottom landing. All ramps that change direction, must have intermittent landing(s).







Steps are typically 7" tall and the exterior door thresholds are typically 4".
This ramp

This ramp would need to be approx. 53 feet.

What about installing a platform lift?

Consider the design of the ramp.

What about the threshold?

Minimum clear width of a ramp should be 36" but can be wider if needed by the client













Where is the final egress point located in relation to the entrance?





Consider the slope of the existing site.

THRESHOLD and PORTABLE RAMPS



Used on thresholds up to 3 inches





Portable ramps are typically not ideal for every day use





STAIR GLIDES and VERTICAL PLATFORM LIFTS

Important factors to remember when considering a stair glide or VPL

How wide is the stair well?

What type of seat is needed? Heavy duty? Swivel? Seat Belt? Arm rests? Is there electrical service for either the stair glide or VPL? Is there an accessible route to the VPL?





EASY STEPS



In situations where an individual either does not need or want a ramp, but still has difficulty using stairs, Easy Steps could be an option.

These steps have a deeper tread and the rise is lower than standard stairs.

The deeper tread can accommodate a mobility device, such as a walker.

The lower rise is good for people who are not able to lift their legs/feet very high.

ACCESSIBLE SHOWERS

Important factors to consider when installing showers for access

Is a roll-in shower or walk-in/step-in shower needed?

Is the existing space large enough for the new shower? Consider the size of the person, their shower chair or bench.

Does a built-in or wall mounted seat need to support additional weight?

Consider the type and location of the shower faucet. Can someone in a seated position reach the faucet controls if necessary?

Is a hand held shower hose needed? If so , how long? Does it need a diverter? Guide rail?

Consider the type and location of grab bars.

What about a shower curtain rod? Shower doors? Other accessories such as storage shelves or soap dish?



ACCESSIBLE SHOWERS

Important factors to consider when installing showers for access

What type of materials will be used on shower walls? Tile, fiberglass, cultured marble?

Tile - looks nice but grout lines can get dirty/moldy and requires cleaning, lasts a long time, more costly to install, looks nice

FRP/Fiberglass - less expensive and durable than acrylic, stains more easily, less expensive that other options

Acrylic- more durable that FRP, some abrasive cleaners can damage the surface, can last a life time, not easily repaired

Cultured Marble - manmade, durable, looks very nice, easily damaged by abrasive cleaners, more expensive



ROLL-IN SHOWER PANS/BASES



Water will end up on the bathroom floor...

Unless someone is drying off completely in the shower,

If someone pushes out the shower curtain,

If the shower hose is misguided.



STEP-IN/WALK-IN SHOWER PANS/BASES





Consider the location of a built in seat or bench in relation to the shower faucet controls.





From a seated position, can someone easily reach the shower controls?







Hand Held Shower Hose with Diverter and Grab Rail/Glide Rail

Allows for more control over water spray

Allows water to come to temperature before showering

Is the glide rail strong enough to use as a grab bar?

Single Lever Shower Faucet

Easier for most people to use

WALK-IN TUBS

Important factors to consider when installing a walk in tub

The home evaluation must justify the need for a walk-in tub vs. a shower. If jets are needed, then this needs to be justified separately.

Can the tub fit thru the bathroom door? Can the tub fit down the hallway?

Will the person fit in the tub? Will the person fit through the tub door? Can the person step into the tub?

While sitting in the tub as the tub either fills with water or drains, how will the person stay warm? Is this an issue?

Walk in tubs use a large amount of water. This can affect a person's water bill and the amount of water that is heated by the existing water heater. The Home Mod benefit generally cannot purchase a new water heater.



Other considerations when requesting a walk in tub



Location of grab bars?

Type and location of faucet? Is a hand held hose needed?

What is minimum width of the door that is needed?

Which way does the door need to swing? In or out?

What is the maximum height of the door threshold that the person can step over?

Consider that the person will have to wait for the tub to fill/drain while sitting in the tub

And more considerations when requesting a walk in tub

If the person uses a wheelchair, will they be able to transfer into the tub?

Will they be able to close the door unassisted?



P.S. Don't forget about grab bars, type/location of faucet, is a hand held hose needed?



TUB CUTS

If neither an accessible shower or walk in tub are possible, consider using a tub cut.

Don't forget about the 'step in' factor.

Don't forget about grab bars, type of faucet, use of shower chair or bench, shower hose.







TOILETS

Comfort Height/Chair Height





Toilet Risers add approx. 3 ½ inches



ACCESSIBLE SINKS/VANITIES/COUNTERS

Important factors to consider when someone needs an accessible sink

What type of faucets are needed?

How far does someone have to reach in order to use the faucets?

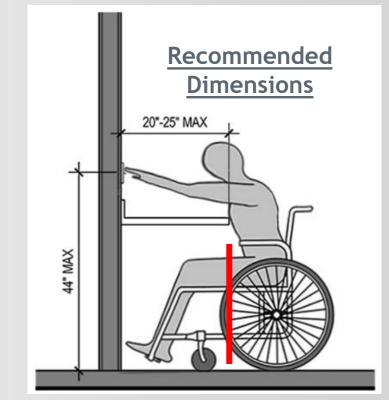
How much wheelchair space is needed under the sink/counter?

What is the height of the sink/counter?

Don't forget about pipe protection.

What about storage?

What about access to an outlet or light switch?



PEDESTAL SINK



Pedestal sinks come in various sizes (height, depth and width).

If space and dimensions are critical, a pedestal sink may not be the best choice.

 Consider how the pedestal could possibly become can obstacle for a wheelchair

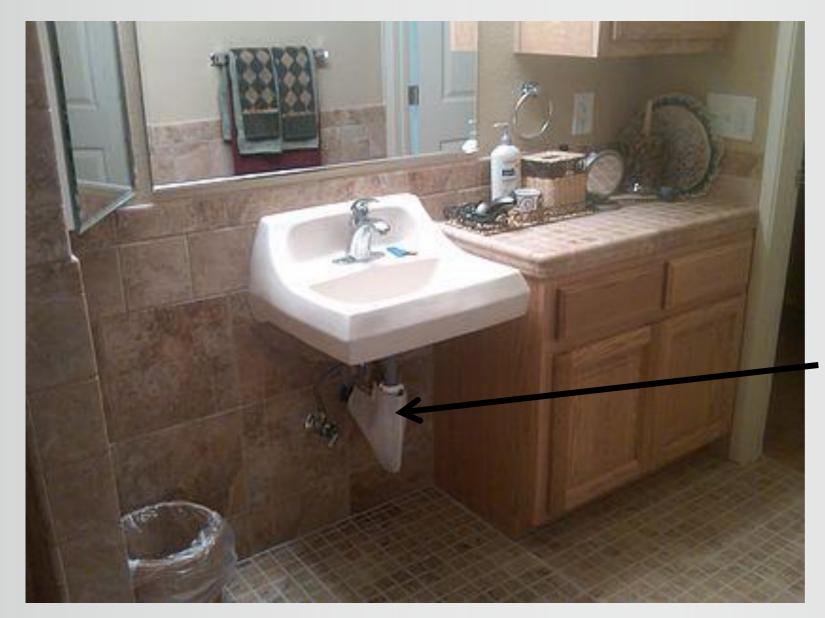
Wall Mounter Counter with Sink and Single Lever Faucet

Can be installed at the proper height that is needed

Provides more counter space than a Pedestal or wall hung sink



WALL HUNG SINK with a Single Lever Faucet



Don't forget about storage. What type of drawer/door pulls are needed?

Pipe protection

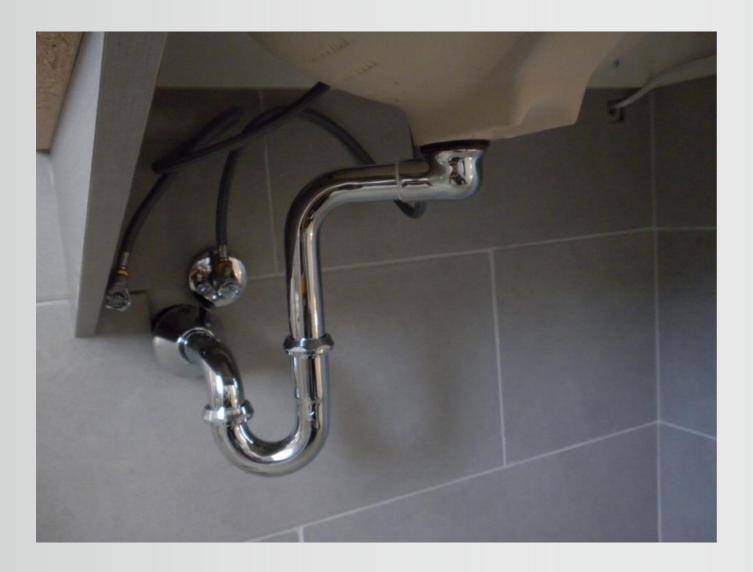


No base cabinet/vanity and counter/sink has been lowered



No base cabinet/vanity





Create more space under the sink by using an off-set drain

Create more space in a small bathroom or ½ bath by using a corner wall mounted sink





SINGLE AND DUAL LEVER FAUCETS





Consider type and location of faucets

DOORS

Important factors to consider when widening or installing a door for access

Can a door be widened enough to provide access? What is the outside width of mobility device? Is clearance for hands/fingers needed?

Will light switches, outlets, vents or other fixtures have to be relocated in order to widen the door?

Can "swing clear hinges" be installed instead?

Installing a new door in an existing wall can be more costly than widening an existing door.



DOORS

Important factors to consider when widening or installing a door for access

What type of door will be installed? Swing type, pocket door, barn door, bi-fold doors, sliding doors?

Is a single lever door handle needed? Does it need to lock?

Is an auto door opener needed?

Is a door even necessary?



What if a door can't be widened but access is still needed?

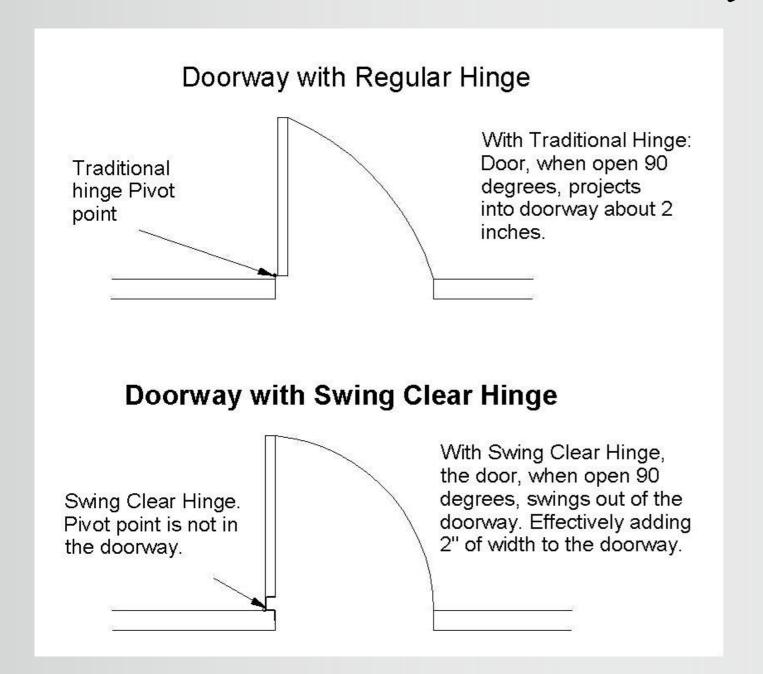


Can a new door be installed in an adjacent room/wall?

Will swing clear hinges provide enough room?

Is a cased opening possible?

Don't Forget!



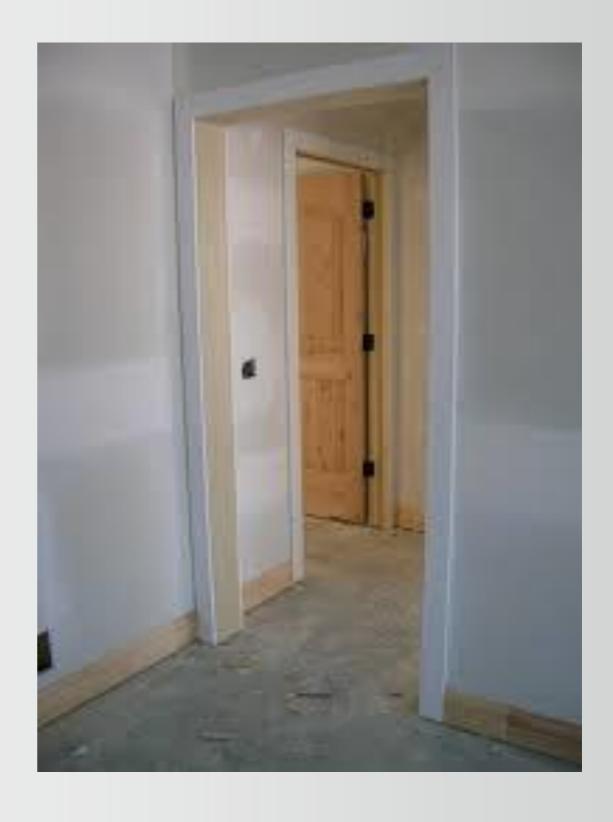
Can someone clear the swing of the door in order to close it behind them?
Will the swing of the door clear the fixtures in a room?
Does the swing of a door need to be reversed?



CASED OPENING

Is a door necessary?

For example, if passing thru a bedroom is necessary in order to gain access to a bathroom that is being modified, a cased opening could be installed.





Will widening a door affect existing fixtures?

Light switch, outlets, temperature controls



Is there a smooth transition between floor surfaces after a door has been widened?





Too high for a wheelchair





Is there enough room to install a pocket or barn door?

Don't forget about light switches, outlets, temperature controls, alarms, medicine cabinets, etc.



Is the client better served with a pocket or barn door?



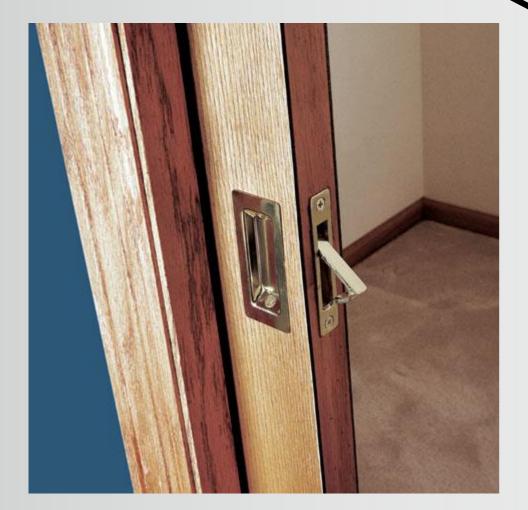
POCKET and BARN DOORS



The typical hardware for a pocket door may be difficult for some people to use. Consider other more "user friendly" hardware.



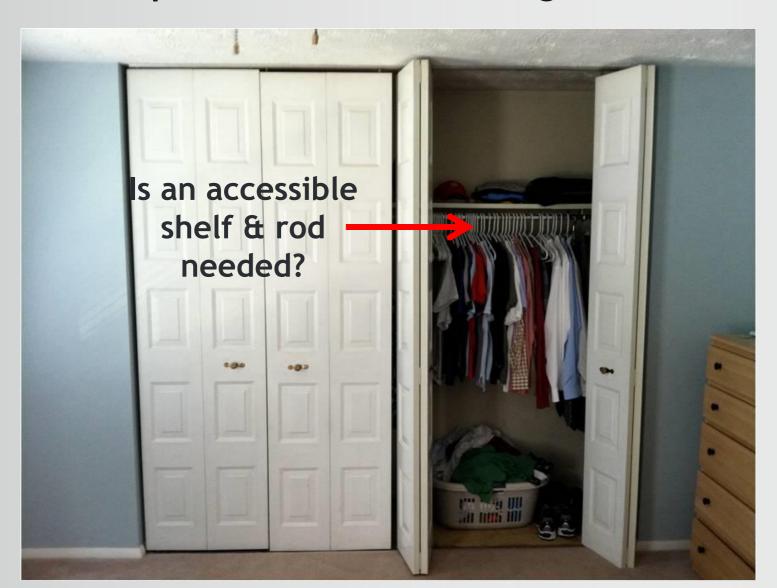
Don't forget to account for the space used by the door handle!



POCKET and BARN DOORS



Consider the space occupied by an opened bi-fold or sliding door



Don't forget about the door pulls!



Bi-Fold and Sliding Doors



DME Durable Medical Equipment



Toilet Frames



Portable Shower Chairs or Benches



Hydraulic Bath Seat



Grab Bars-unless part of a large home mod project



Tub Bars



The more information and detail you can provide on the OT/PT evaluation, the better!!



THANK YOU!!!



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