BUBBLE HOUSE

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The design intent of our Bubble House is to create an accessible, safe, aesthetically pleasing house that is comfortable for someone living with cerebral palsy. We have designed a space that is universal, appropriate for people of any age and level of function, whether it is a child with cerebral palsy residing with their family or an adult living independently.

The Bubble House facilitates rehabilitation of a person living with cerebral palsy. The plan and form of both the house and garden support and challenge people of all abilities and functional levels. Development is encouraged by promoting movement, improved balance and strength through the different surfaces, levels and furnishings, all in a controlled environment.

Paramount to our design is that the Bubble House be a pleasant place to live in with ample natural light, cross ventilation and an attractive pallet of materials that make the design homely, safe and hard wearing.
The ramp and booth walls allow furniture to sit against them, without the risk of sliding movement. Smaller items such as bean bags can be placed to allow gentle challenge and exercise, in a safe environment.

The floor finish is Marmoleum vinyl with foam underlay- a low maintenance, easy clean surface, which provides a comfortable walking surface, and elasticity if a person was to fall.
The dining booth allows secure and comfortable seating. Being a single furniture item, it is safer than a normal chair—which may cause injury if fell on. The table ends are rounded, and allow for wheelchair access. The back rest to the kitchen side provides low lying storage for kitchen items.

A hand rail wraps around all the walls, descretely concealed, but providing guidance and support. The walls taper below the handrail, which can be used to lean against.
The kitchen provides a safe working environment for people of all physical abilities. The sink and cooktop are wheelchair accessible under, and an induction stovetop means that there is no chance of burning. Cupboards across the back of the bench allow for appliances to be housed in a permanent location, so a person does not have to lift items on and off the benchtops.
The accessible bathroom provides ample room under the vanity and the laundry workbench for seated use and wheelchair access.

The grab rail under the bench provides support if needed.

The joinery shelves are lipped to provide further control.

The central cupboards have sliding vanish doors for ease of access.
The shower has an in-built bench that allows for someone to be seated whilst showering. The open nature of the shower also provides ample space for wheelchair access. The shower rose is mounted on a sliding rail so can be used at either the seated or in a standing position. Grabrails are located on either side of the shower.
The bedroom is a safe, and pleant enivronment to be in. The deep window sills provide a private place of refuge and rest. An exercise area is located behind concealed joinery.
The garden provides a space for exercise and refuge, with different zones, heights and textured surfaces depending on a person’s energy levels and abilities.
BATHROOM ELEVATION 3_1:20

- Sliding portable shower head on grabrail for standing or seated showering
- Grabrail
- Built-in shower bench for seated showering