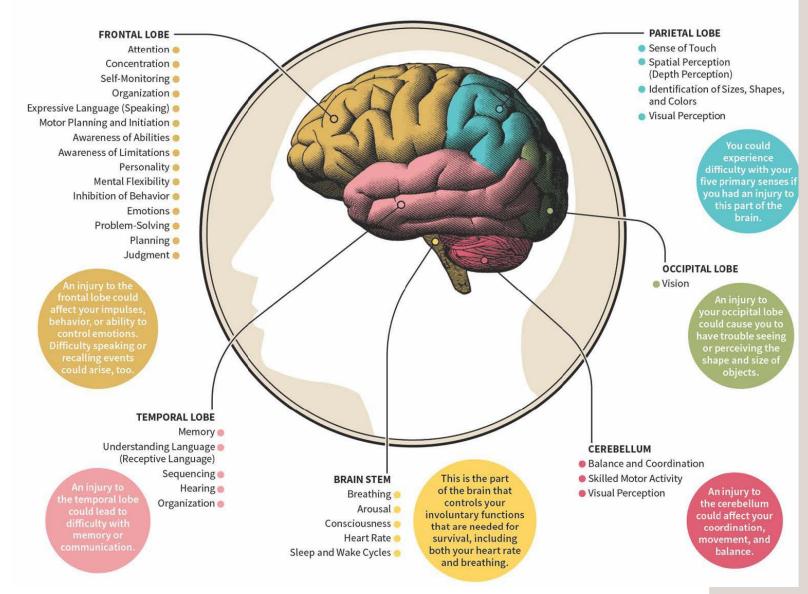
The Effects Architecture has on treating TBI (Traumatic Brain Injury)

Emma Dietrich

In what ways can architecture create atmospheres that promote brain recovery for patients suffering from TBI?









GLENROSE REHABILITATION HOSPITAL

What Happens When You Get a Brain Injury in Different Areas?

SmartAdvocate®. "What Happens When You Get a Brain Injury in Different Areas of Your Brain?" Accessed December 11, 2020.

https://www.smartadvocate.com/News/Blog/what-happens-when-you-get-a-braininjury.

USER GROUP

TBI Survivors, Community, Family

Level VI - Confused, Appropriate: Moderate Assistance

Level VII - Automatic, Appropriate: Minimal Assistance for Daily Living Skills

Level VIII - Purposeful, Appropriate: Stand-By Assistance

Level IX - Purposeful, Appropriate: Stand-By Assistance on Request

Level X - Purposeful, Appropriate: Modified Independent

Original Rancho Los Amigos Cognitive Scale co-authored by Chris Hagen, Ph.D., Danese Malkmus, M.A., Patricia Durham, M.A., Rancho Los Amigos Hospital, 1972. Revised 11/15/74 by Danese Malkmus, M.A., and Kathryn Stenderup, O.T.R.



Shan was crossing a road when a car hit her and left her with a 6% chance of survival.



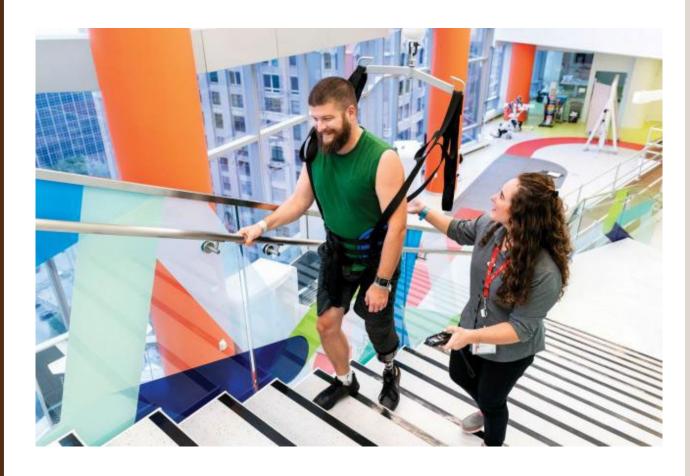
At 11 years old, Joshua was involved in a major bike accident and was told he would never walk or talk again.



At 17, Megan was the victim of a serious road traffic collision.



n 2015, David suffered from a FBI when a car collided with his picycle.

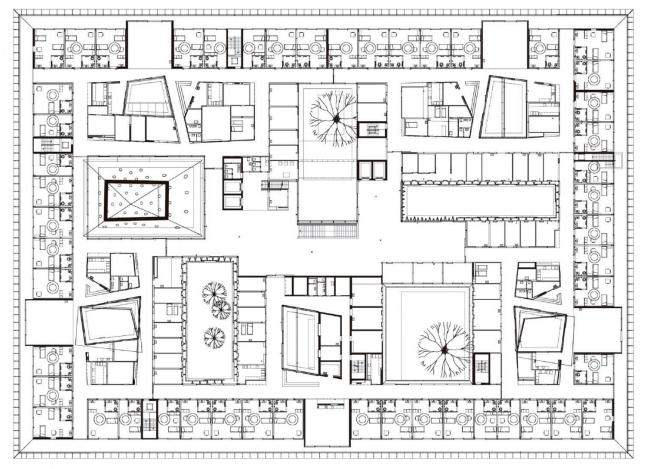








Shirley Ryan Ability Lab



Planta primera First floor plan





BASEL REHABILITATION

Beach Therapy

Horticulture / Gardening Therapy

Recreational Therapy

Nature Meditation

Adventure Therapy















Innovative Rehabilitation



Staff Support



Connection with Nature



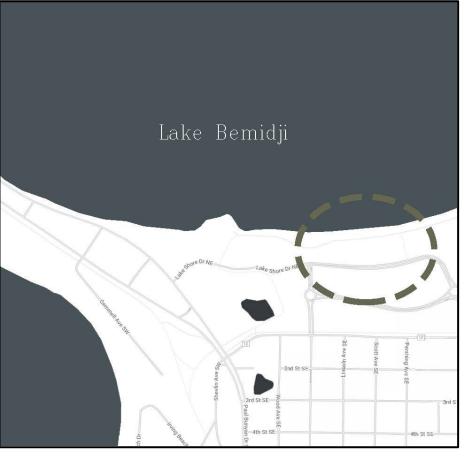






Through design, innovative rehabilitation methods are combined with connections to nature and community to create a holistic and supportive atmosphere for patients to recover from their traumas in this facility. A focus on overall community health and wellness is also provided to benefit a wider population and create space for interaction between TBI patients and the community to assist in breaking stigmas. TBI survivors, family, friends and the broader community will be able to interact and learn in an environment that encompasses whole body wellness.





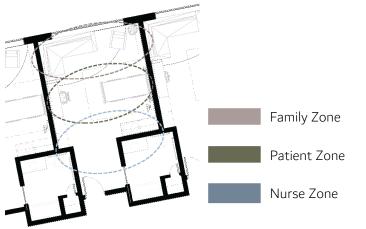








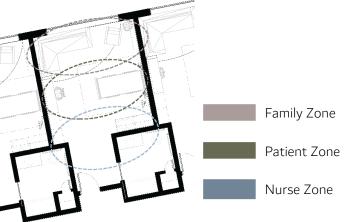






INPATIENT ROOM







INPATIENT ROOM



COMMUNITY AREA

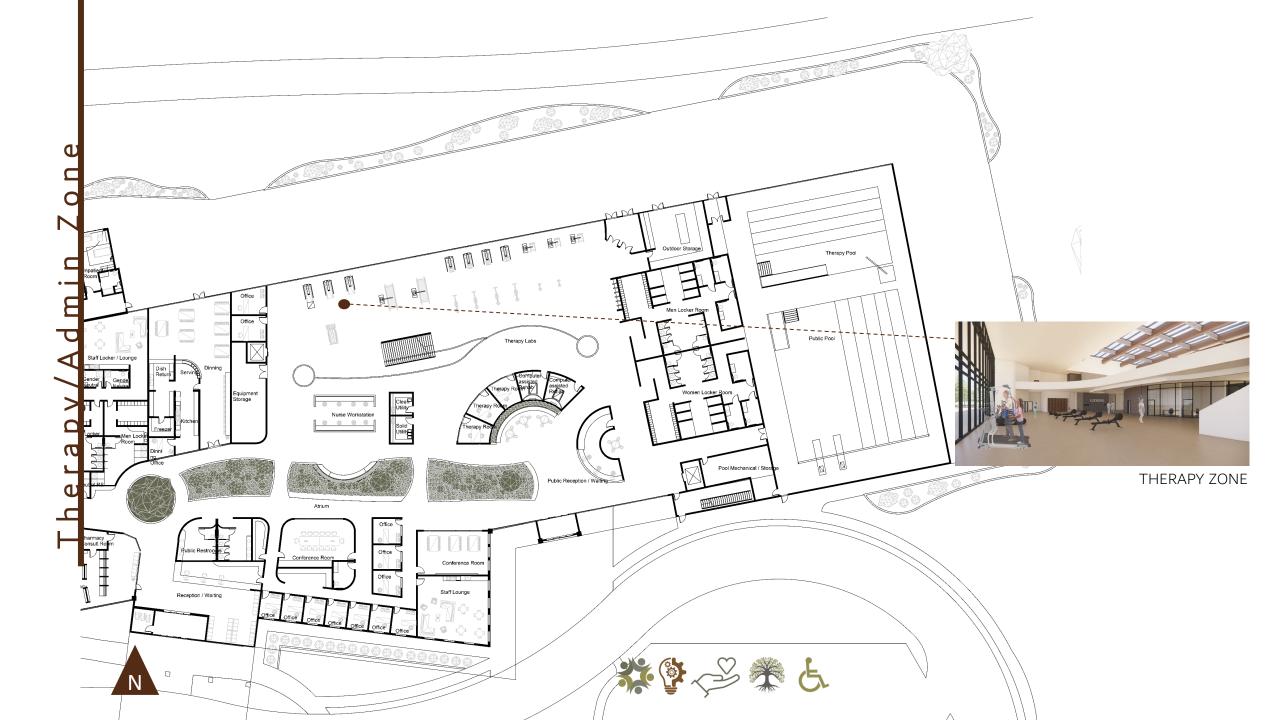


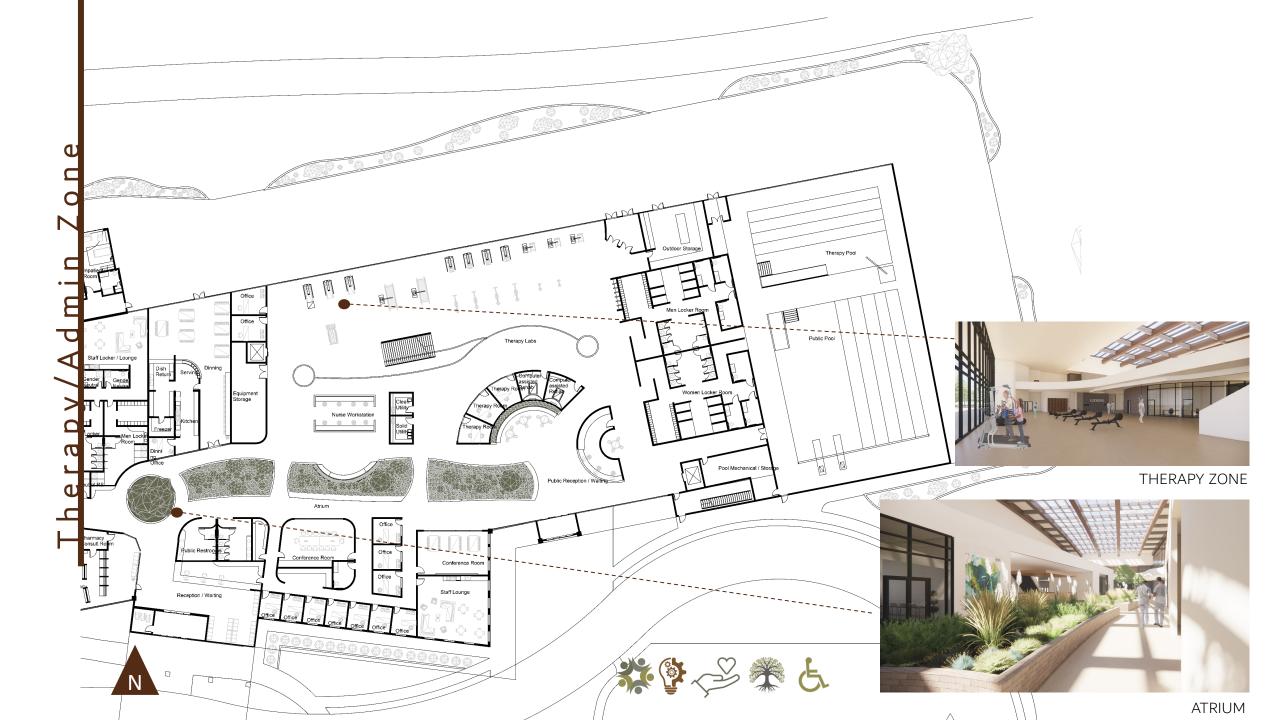


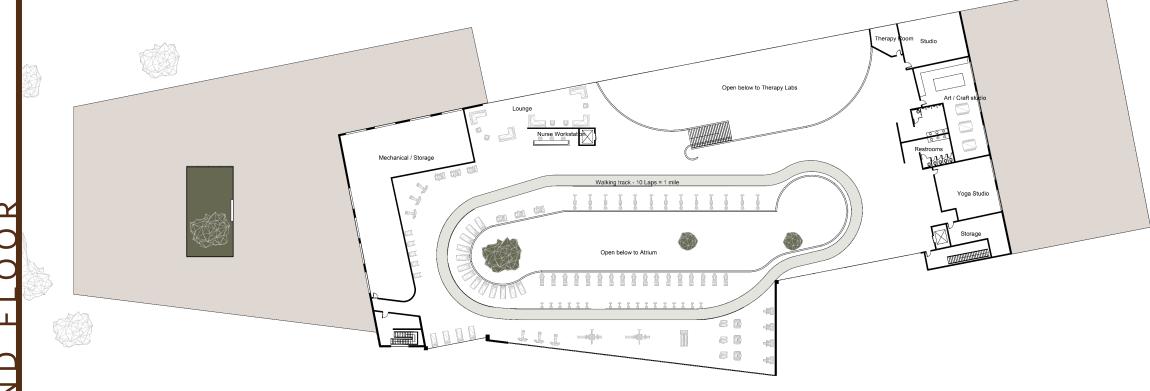
NURSE WORKSTATION























North Elevation



West Elevation



South Elevation



East Elevation





THANK YOU





Traumatic Brain Injury, TBI, is an injury that affects how the brain works. These injuries may Iraumatic Grain Injuty'. Its I, is an injuty mat ances now the train works. Ineste injuries may impact individuals behavior, mobility, memory, language, problem solving and enspathy. Till their from engaging in their pre-injury activities in a normalized way. Depending on how severe one's injuries may be, one may recover from a runaumatic brain injury. However, most will like with permanent effects from their injuries. Recovery at any level may involve years of releasing how to do dally tasks. Throughout a 18 lawivor's recovery process, they will need substantial support to learn, live and work with their disability. Healthcare professionals along with community, family and friends can help the survivor regain confidence when returning to the outside world to live and work with their disability.

Through design, innovative rehabilitation methods are combined with connections to nature and community to create a holistic and supportive atmosphere for patients to recover from their traumas in this facility. A focus on overall community health and wellness is also provided to benefit a wider population and create space for interaction between TBI patients and the community to assist in breaking stigmas. TBI survivors, family, friends and the broader community will be able to interact and learn in an environment that encompasses whole body wellness.

Square One Rehabilitation and Wellness Center

The Effects Architecture has on treating TBI

























USER GROUP TBI Survivors, family members and the community











Lake Shore Dr NE (South Shore Park - Nymore Beach)









BOARDS