MOBILE ASSESSMENT UNIT DESIGN COMPETITION
CONCEPT

ADAPTABLE SUBMERSION

An adaptable ‘submerged’ environment designed to soothe those who enter with its cool and neutral palette, textures, and lighting.

Features such as privacy and acoustical controls create a space that will calm while positively stimulating the participant to focus and interact socially.

Easily accessible storage and tailorable facilities make the function of the space ideal for the clinician.

RESEARCH

Aquatic Therapy:
• Calms the child’s sensory system (reducing hyperactivity, decreasing tactile sensitivity, decreasing self-stimulatory behaviors and repetitive behaviors, etc.) so that he/she can cope with everyday demands
• Improves the child’s work behaviors (attention span, concentration, ability to follow instructions, etc.), thereby making a more receptive learner

Light and Snoezelen Therapies:
• Rooms designed to deliver stimuli to various senses, using lighting effects, color, sounds, music, scents, etc. that are soothing to the child with autism
• Reduction in stress and stereotypical behavior and less aggression and self-injury

Combination of Aquatic, Light and Snoezelen Therapies in our van:
• Color scheme- Soothing, neutral, aquatic colors that one typically experiences underwater
• Visuals- Curvilinear forms that are similar to gentle waves
• Materials- Soft, smooth, and natural
• Sound proofing- Many enjoy the muffled sounds they hear underwater, very quiet and calming, blocks out most outside sources
• Lighting controls- Dimmed, but not dark, since many have high sensitivity to bright lights. Also having an interactive light show as a reward/assessment technique
• Temperature- Comfortably warm
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INSPIRATION
FULLY RETRACTABLE AWNING

WAVE GRAPHIC OVER CABINETRY

SECTIONS: Driver’s Side & Rear
SCALE: 1/2” = 1’
HIGH PRIVACY WINDOWS

STOWABLE PRIVACY AND PROJECTION SCREENS

SECTIONS: Passenger’s Side & Rear
SCALE: 1/2" = 1'

UNDERSEAT STORAGE
MULTI-VIEW CAMERA

RECESSED LED DIMMABLE LIGHTS

SUNROOF FOR NATURAL LIGHT

PROJECTOR

REFLECTED CEILING PLAN & FLOOR PATTERN

SCALE: 1/2” = 1’
STORAGE SOLUTIONS

PERSPECTIVE

ADJUSTABLE SEAT DETAIL
SCALE: 1" = 1'
ADJUSTABLE WORK STATIONS DETAIL
SCALE: 1" = 1’
FULLY RETRACTABLE AWNING

WAVE GRAPHIC OVER CABINETRY

SECTIONS: Driver’s Side & Rear
SCALE: 1/2” = 1’
HIGH PRIVACY WINDOWS

STOWABLE PRIVACY AND PROJECTION SCREENS

SECTIONS: Passenger’s Side & Rear
SCALE: 1/2” = 1’

UNDERSEAT STORAGE
STORAGE SOLUTIONS

PHLEBOTOMY EQUIPMENT:
- Sharp, Tubes, Alcohol Wipes
- Cannula Storage
- Gloves, Tourniquets, etc.
- Clean Up: Swabs, Disinfectant, Paper Towels
- Tactile Discs, Gel Pads, Sorting toys, etc.
- Medical stool clips during vehicle in transit
- Ramp stores behind toe kick

TOILET AND TOILET ACCESSORIES:
- Risers 3 & 4 Storage
- Adjustable Chair Storage
- Client 1 File Storage
- Client 2 File Storage
- Client 3 File Storage
- Client 4 File Storage
- Clinician Personal Items

CLIENT PERSONAL ITEMS:
- Risers 1 & 2 Storage
- Risers 1 & 2 Storage
- Risers 1 & 2 Storage

FILE STORAGE:
- Outlets

TEMPORARY STORAGE:
- Clinician uses while at desk for therapy tools/tissue rewards

TOY STORAGE:

DOOR MOUNTED WASTE CONTAINER, BIOHAZARD COLLECTION CONTAINER BEHIND ON SHELF

RAMP STORES BEHIND TOE KICK

STORAGE:
- Risers 3 & 4 Storage
- Risers 1 & 2 Storage
- Client 1 File Storage
- Client 2 File Storage
- Client 3 File Storage
- Client 4 File Storage

TEMPORARY STORAGE:
- Client 1
- Client 2
- Client 3
- Client 4

FILE STORAGE:

FRIDGE:
- Refrigerator: Sample storage, food storage separated

- Ramp stores behind toe kick

- Riser 1 & 2

- Riser 3 & 4

- Storage

- Toy Storage

- Adjustable Chair Storage

- Client 1
- Client 2
- Client 3
- Client 4

SCALE: 1” = 1’

STORAGE SOLUTIONS

ADJUSTABLE SEAT DETAIL

PERSPECTIVE
ADJUSTABLE WORK STATIONS DETAIL
SCALE: 1" = 1’
PEDIATRIC WHEELCHAIR TURNING RADIUS

STOWABLE TABLE

PLAN
SCALE: 1/2" = 1'
FULLY RETRACTABLE AWNING

WAVE GRAPHIC OVER CABINETRY

SECTIONS: Driver’s Side & Rear
SCALE: 1/2” = 1’
HIGH PRIVACY WINDOWS

STOWABLE PRIVACY AND PROJECTION SCREENS

SECTIONS: Passenger’s Side & Rear

SCALE: 1/2” = 1’

UNDERSEAT STORAGE
STORAGE SOLUTIONS

PERSPECTIVE

ADJUSTABLE SEAT DETAIL

SCALE: 1” = 1’
ADJUSTABLE WORK STATIONS DETAIL
SCALE: 1" = 1'