

# Lily Pad DAYCARE

ADA Design  
Sustainable Design  
Universal Design  
Design for Autism

Designer: Angela Carlson  
Professor: Bischoff  
Class: ID102 Studio I  
Date: May 15, 2014

Project: Daycare Design  
for Children with Autism  
Concept: Lily Pad

Sheet Title: Floor plan, Enlarged  
Plan, Cross Section  
Sheet 4 of 6  
Scale: 1/4" = 1'0"

Rendered Floor plan  
Rendered Cross Section

Rendered Floor Plan at 1/4" = 1'0"



#### UNIVERSAL DESIGN

- Cubbies with different storage heights and seating
- Split Level reception desk
- Child height
- Easy to understand layout
- Communication through half walls
- Automatic sinks that are easy to understand use
- Four colander sink for multiple uses

#### ADA DESIGN

- Child height seating
- Child height sinks and toilets
- Five foot turning radius
- Sink clearances
- Toilet clearances
- 3'6" doorways
- 4' hallways
- Grab bar clearances

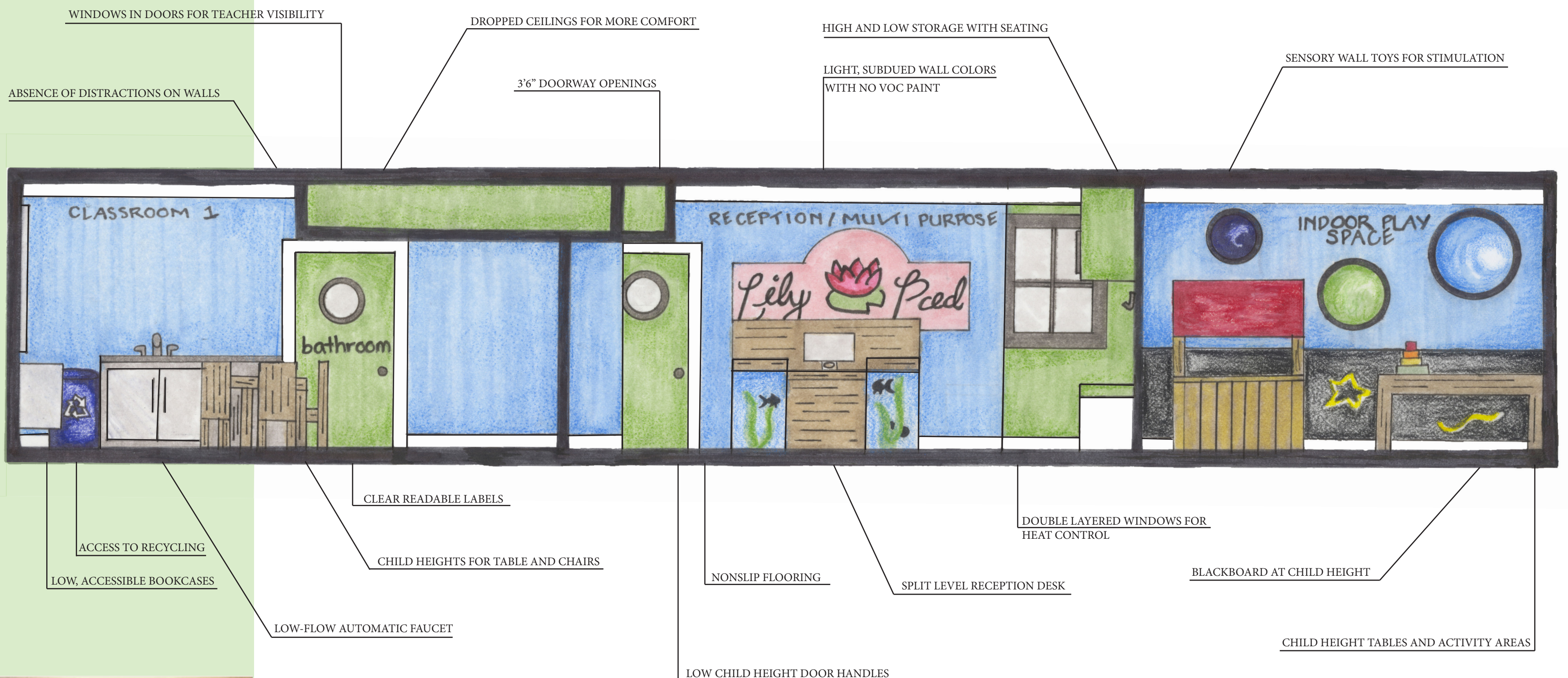
#### SUSTAINABLE DESIGN

- Repurposed tires for flooring
- Double layered glass windows for insulation
- Preset lighting levels for energy efficiency
- Energy efficient LED lighting
- Low-flow faucets
- Recycling bins
- No VOC paints
- FSC hardwood flooring

#### AUTISM DESIGN

- Light wall colors
- Same setup in both classrooms
- Fun textures and patterns
- Low ceilings in reading area
- Higher windows for less distraction
- Cozy chairs to be wrapped in
- Labeled rooms on doors
- Small grouped tables for socialization
- Sound proof walls to keep out noise

Rendered Cross Section Cut at 1/4" = 1'0"



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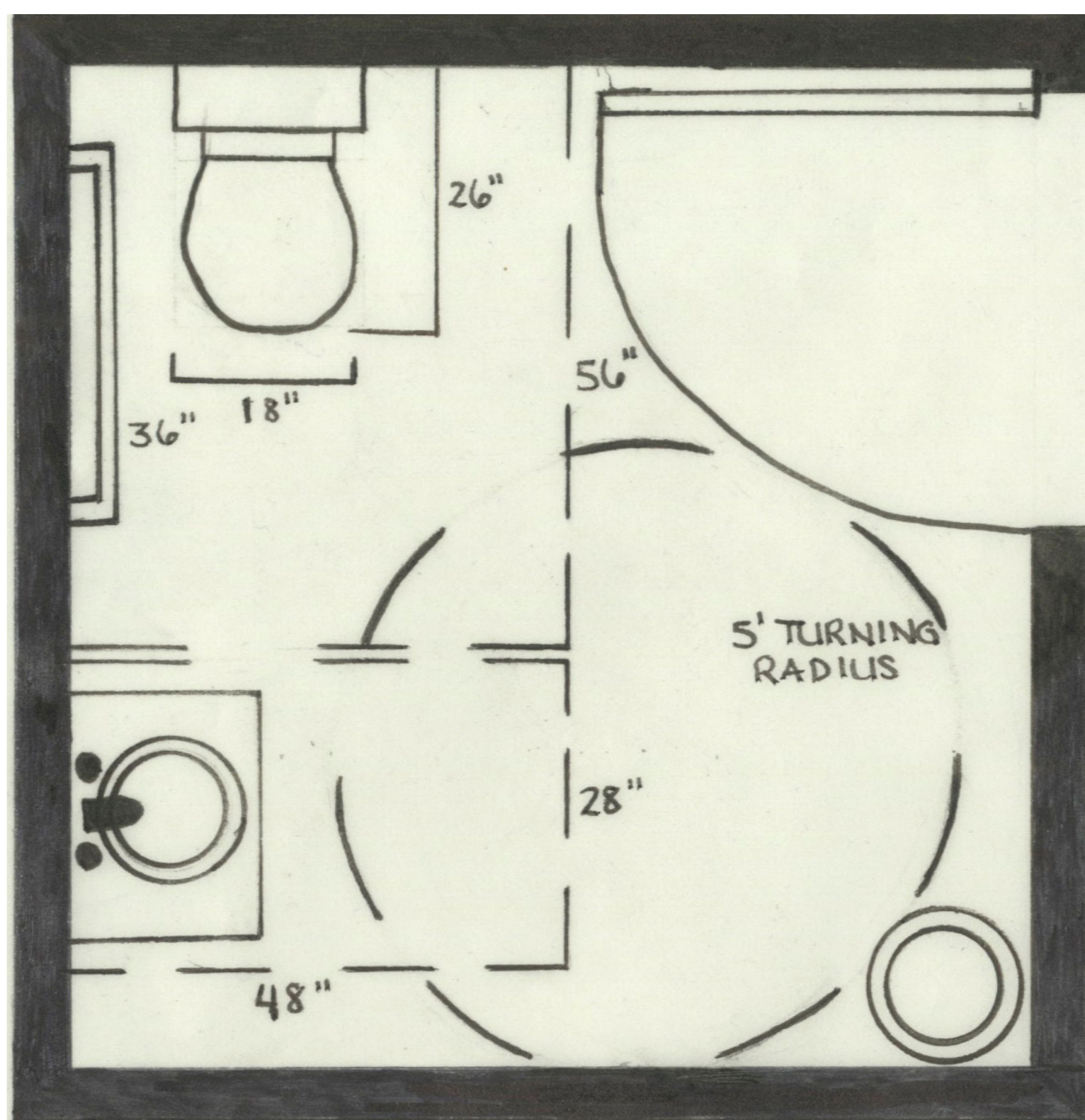
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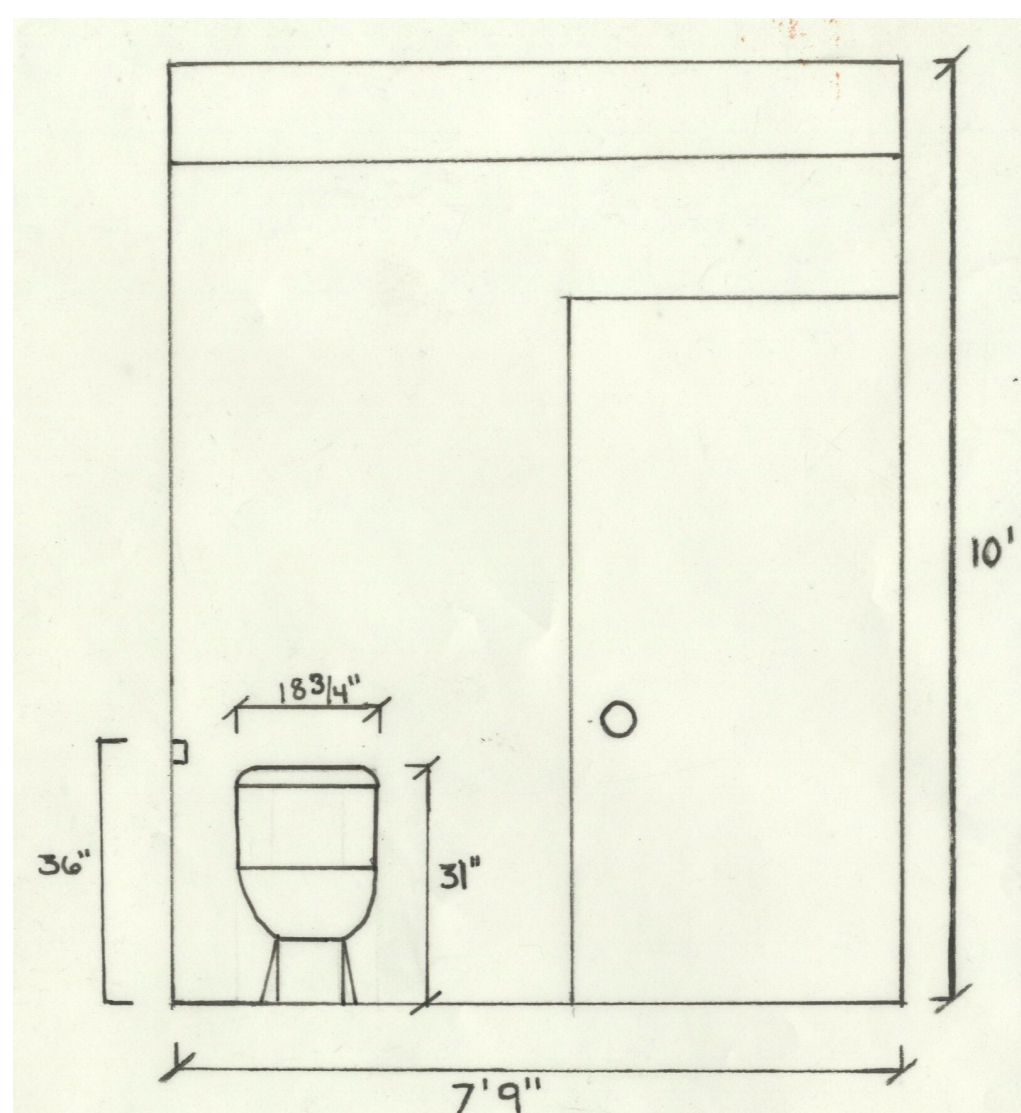
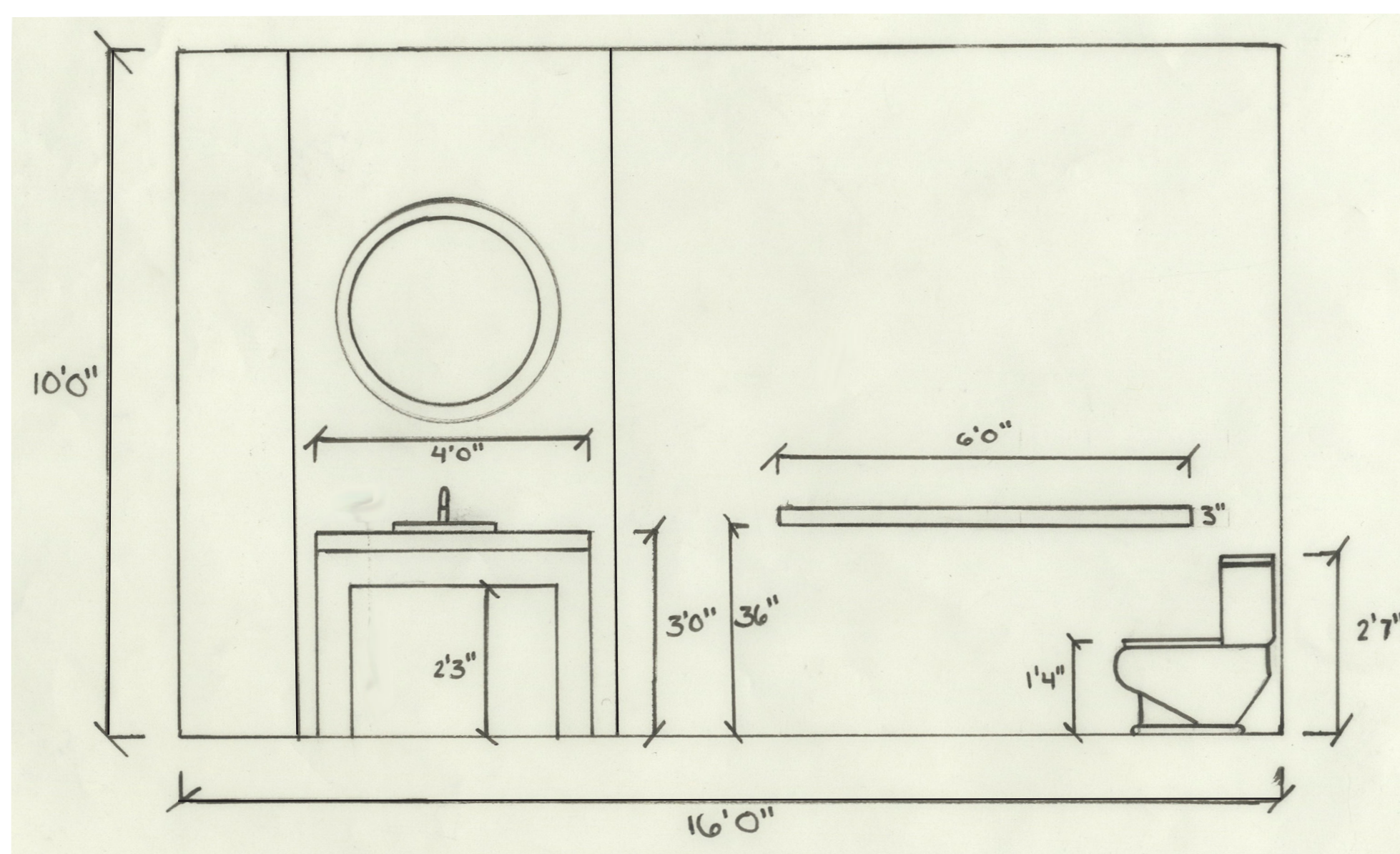
Sheet Title: Enlarged Plan and  
Elevations  
Sheet 5 of 6  
Scale: 1/2" = 1'0"

Enlarged Bathroom Floor Plan  
Enlarged Bathroom  
Elevations

Enlarged Adult Bathroom Floor Plan at 1/2" = 1'0"



Enlarged Adult Bathroom Elevations at 1/2" = 1'0"



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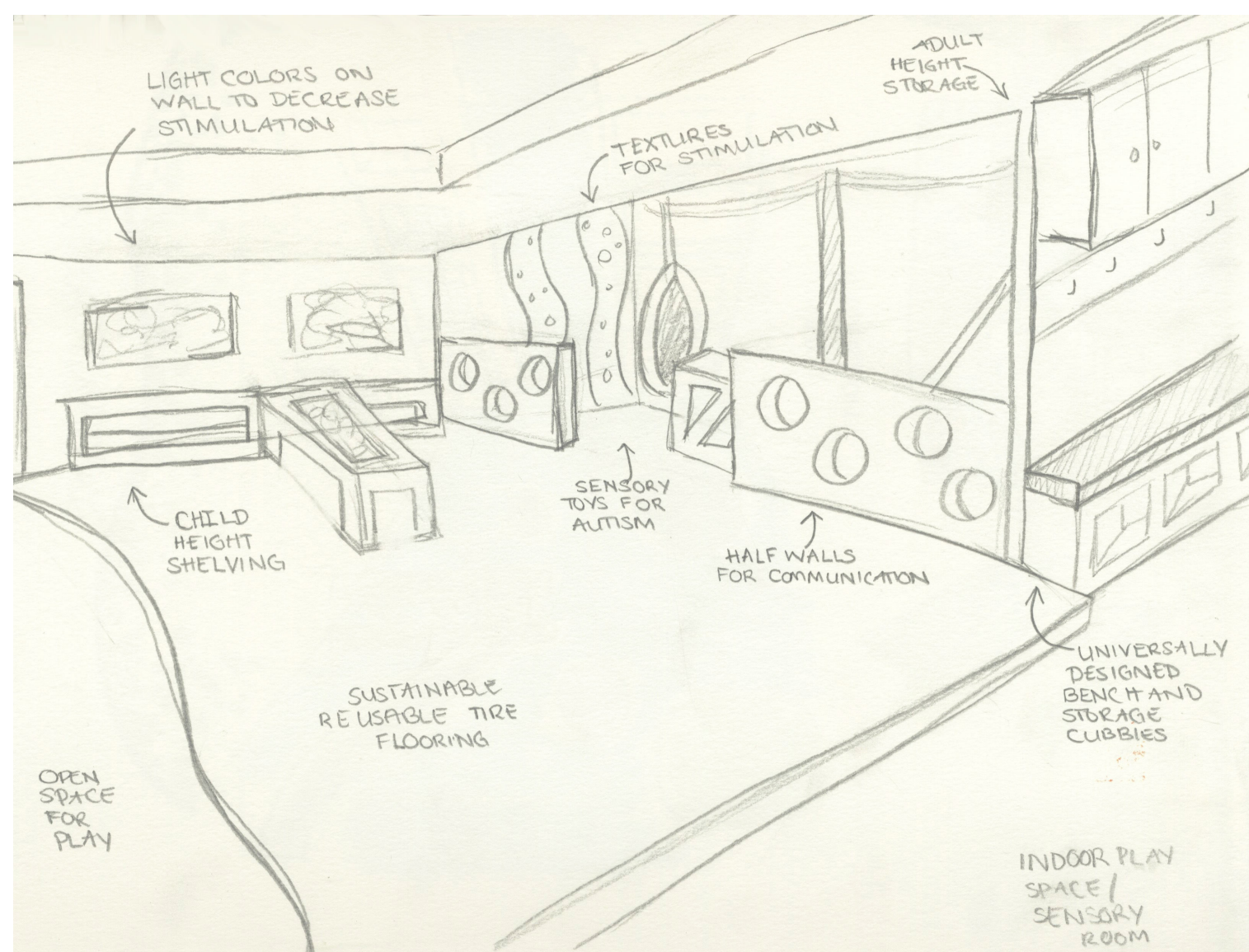
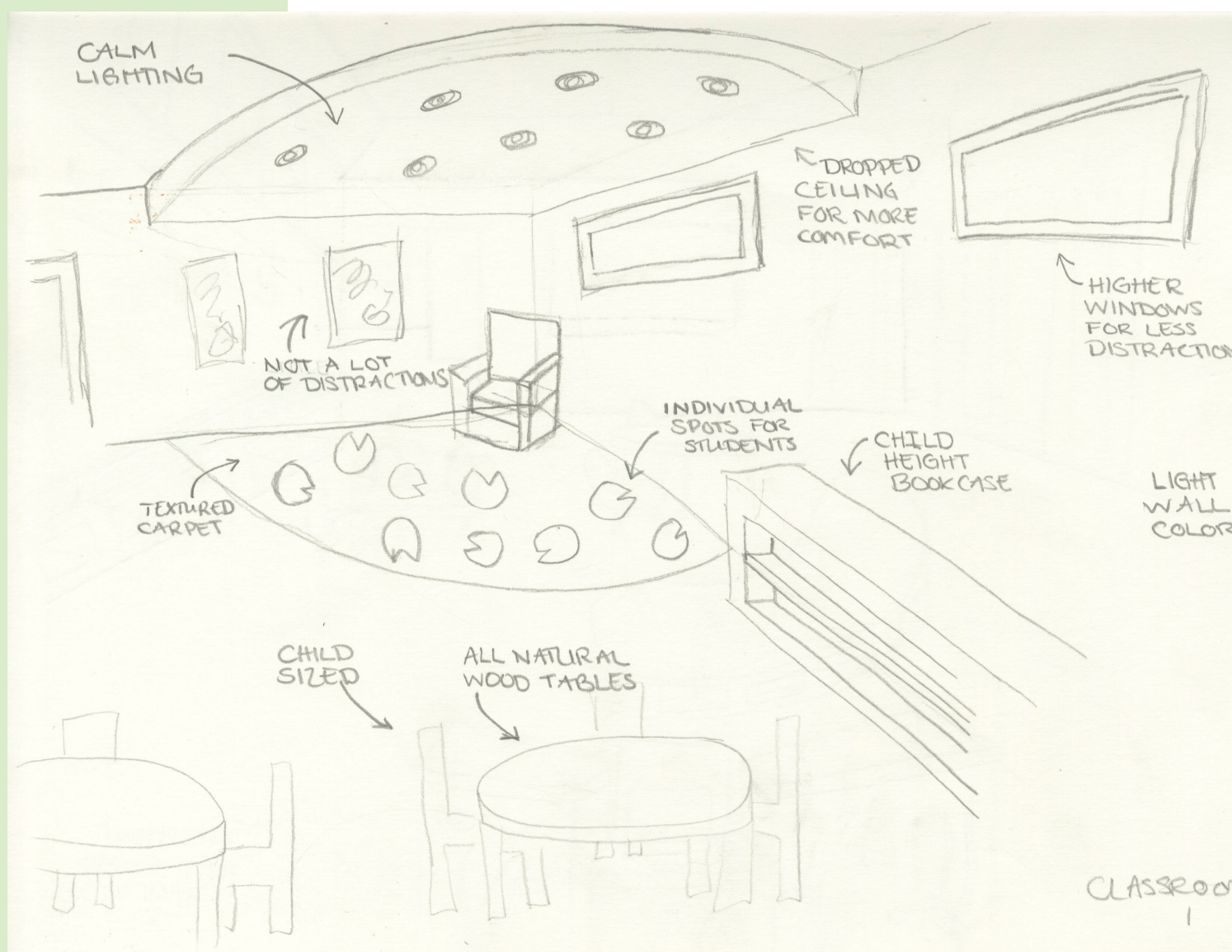
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Sheet Title: Perspectives and  
Vignettes  
Sheet 6 of 6

2 Sketch Perspectives/  
Vignettes  
2 Final Perspectives

## Sketch Vignettes / Perspectives



## Classroom Perspective



## Reception / Multi Purpose Space Perspective

