



Portable Change Table



Some Background

Why is a Portable Change Table Important?

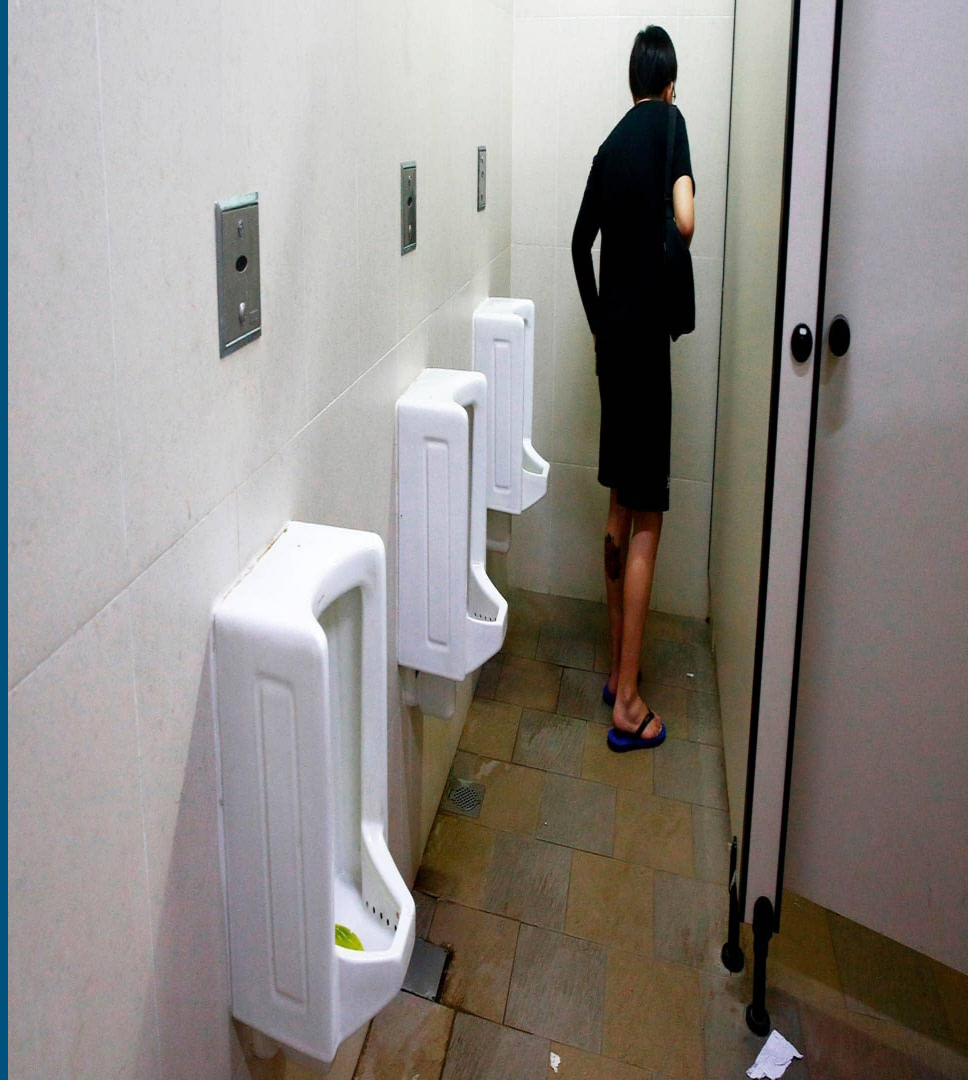
Not every
bathroom has
one of these -->



They usually only
have these -->



Which can lead to
having to change
on one of these -->







60,000

Canadians affected with Cerebral Palsy



There is no other commercially
available solution

Product	Cost To Make	Material Used	Size Availability	Weight	Transportable	Assembly
Armedica Hi-Lo Changing Table 	2330 USD (average price based on size)	Metal with padded side rails	Small: 25"x60" Medium: 25"x72" Large: 30"x76" Ex Wide: 34"x76" Ex Lrg: 40"x76"	450 lbs	Yes	Collapsable (Wheel access)
Rifton Hygiene Support Station 	3270 USD	Metal with rubber padding	46"-86"	250 lbs	Yes	Could be disassembled
Extra Large Portable Folding Comfort 	109.99 CAD	Metal with Polyester	210-72 cm	23.37 lbs	Yes	Collapsable
Smirthwaite Easi-Lift Shower Stretcher - Adjustable Height 67"L 	4,140.00 CAD	Stainless steel w/ vinyl cover	26 1/4" W x 3 1/4" D	440 lbs	No	Wall mounted

These were the closest things we could find

So why is it important?

01 Flexibility

02 Dignity

03 Comfort

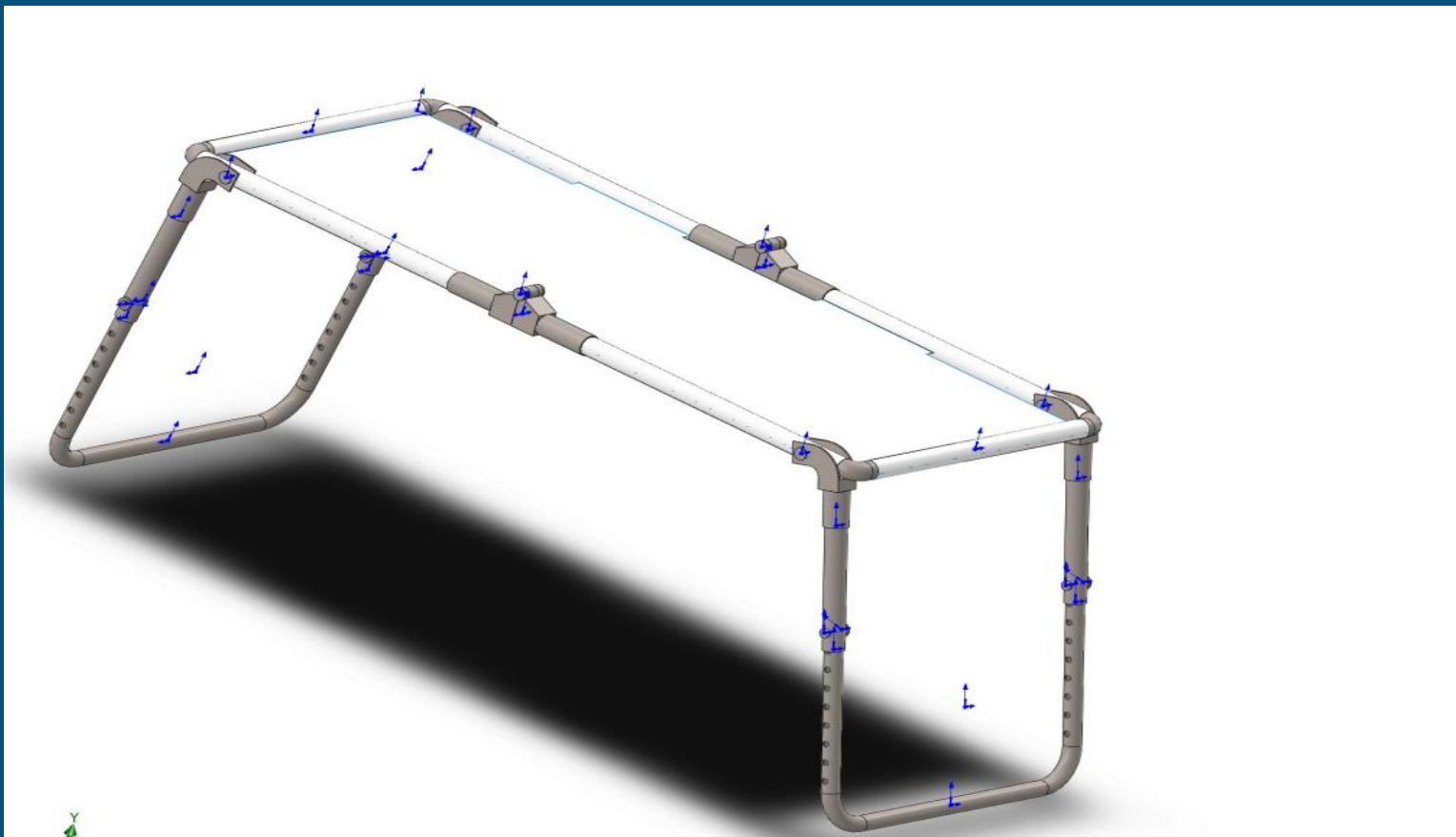
The Solution

Breakdown

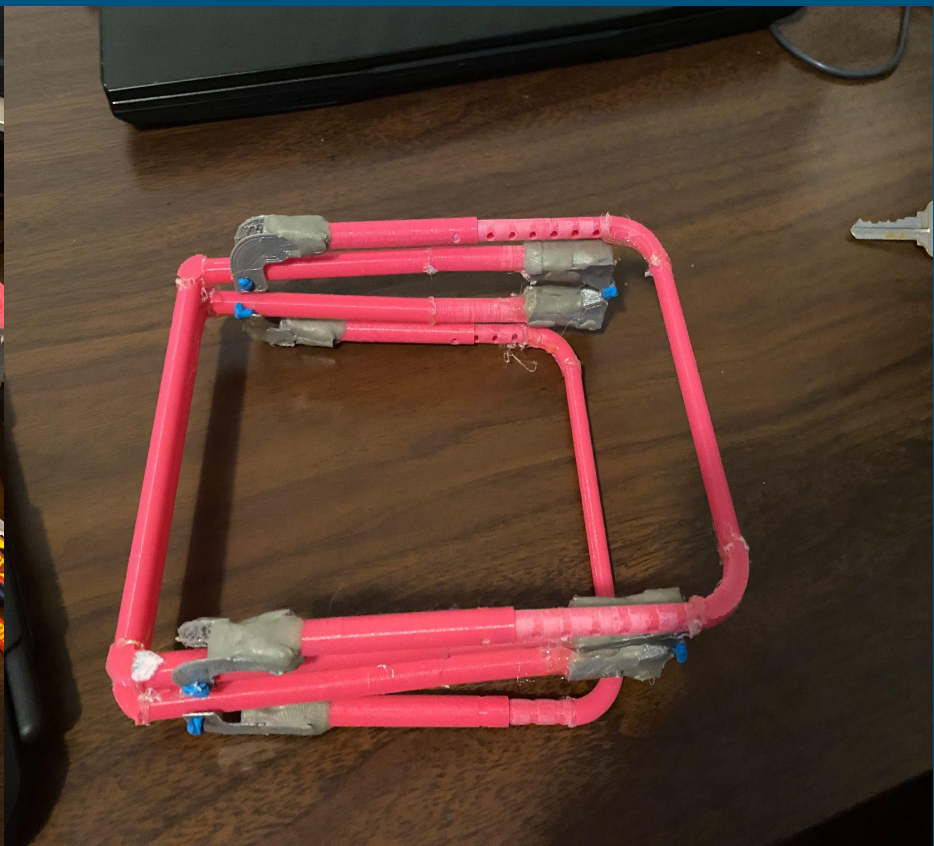
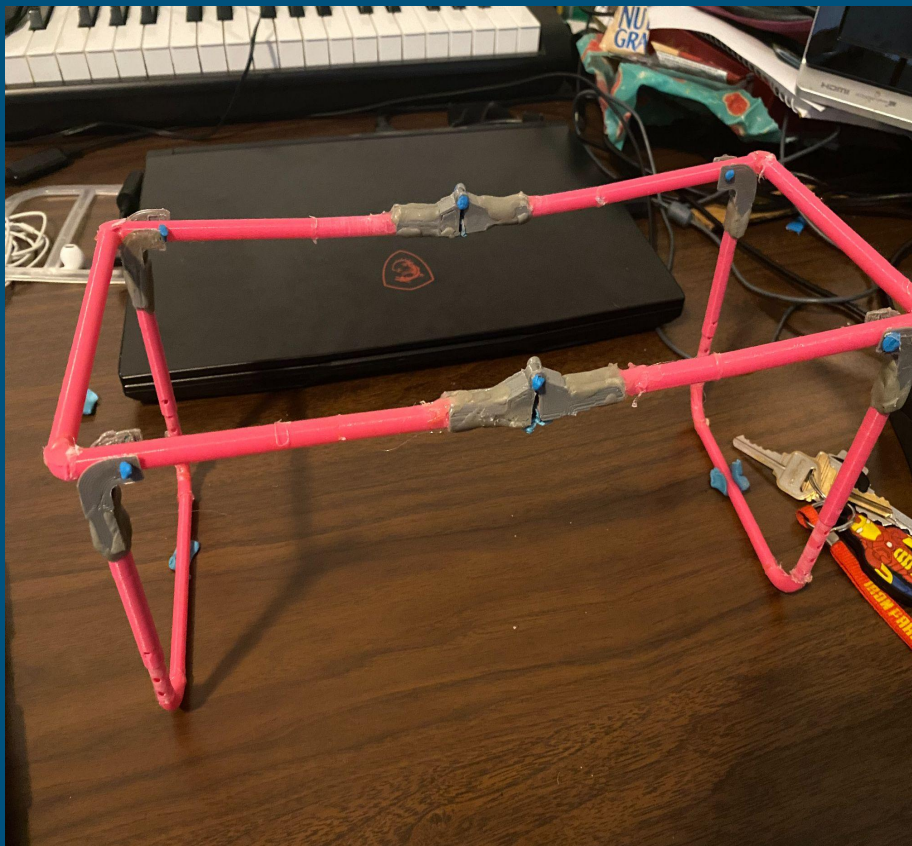
- 01 Changing Table
- 02 For use anywhere
- 03 Compact

Specifics

- Client's brother is 5', 100lbs
- Change table needed to have a range of heights or be at least 24" off ground
- Relatively lightweight
- Have a security belt
- Quick set up time



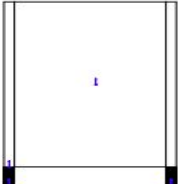
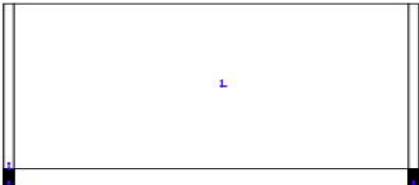
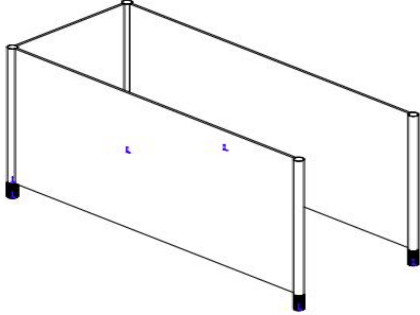
Prototype I



Prototype II



Finally Prototype III

<div style="position: relative; height: 300px;"> 2 A B   </div>	<div style="position: relative; height: 300px;"> 1 A B  </div>																																																					
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p>PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.</p> </div> <div style="width: 40%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">UNLESS OTHERWISE SPECIFIED:</td> </tr> <tr> <td colspan="2">DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td colspan="2">TOLERANCES:</td> </tr> <tr> <td>FRACTIONAL: $\frac{\quad}{\quad}$</td> <td></td> </tr> <tr> <td>ANGULAR: MACH $\frac{\quad}{\quad}$</td> <td>BEND $\frac{\quad}{\quad}$</td> </tr> <tr> <td>TWO PLACE DECIMAL: $\frac{\quad}{\quad}$</td> <td></td> </tr> <tr> <td>THREE PLACE DECIMAL: $\frac{\quad}{\quad}$</td> <td></td> </tr> <tr> <td colspan="2">INTERPRET GEOMETRIC TOLERANCING PER:</td> </tr> <tr> <td colspan="2">MATERIAL</td> </tr> <tr> <td colspan="2">FINISH</td> </tr> <tr> <td>NEXT ASSY</td> <td>USED ON</td> </tr> <tr> <td colspan="2">APPLICATION</td> </tr> </table> </div> <div style="width: 20%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NAME</td> <td>DATE</td> </tr> <tr> <td>DRAWN</td> <td></td> </tr> <tr> <td>CHECKED</td> <td></td> </tr> <tr> <td>ENG APPR.</td> <td></td> </tr> <tr> <td>MFG APPR.</td> <td></td> </tr> <tr> <td>Q.A.</td> <td></td> </tr> <tr> <td colspan="2">COMMENTS:</td> </tr> </table> </div> <div style="width: 20%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" style="text-align: center;"><COMPANY NAME></td> </tr> <tr> <td colspan="3">TITLE:</td> </tr> <tr> <td>SIZE</td> <td>DWG. NO.</td> <td>REV</td> </tr> <tr> <td style="text-align: center; font-size: 1.5em;">A</td> <td style="text-align: center; font-size: 1.5em;">TENTD</td> <td></td> </tr> <tr> <td colspan="2">SCALE: 1:20</td> <td>SHEET 1 OF 1</td> </tr> </table> </div> </div>		UNLESS OTHERWISE SPECIFIED:		DIMENSIONS ARE IN INCHES		TOLERANCES:		FRACTIONAL: $\frac{\quad}{\quad}$		ANGULAR: MACH $\frac{\quad}{\quad}$	BEND $\frac{\quad}{\quad}$	TWO PLACE DECIMAL: $\frac{\quad}{\quad}$		THREE PLACE DECIMAL: $\frac{\quad}{\quad}$		INTERPRET GEOMETRIC TOLERANCING PER:		MATERIAL		FINISH		NEXT ASSY	USED ON	APPLICATION		NAME	DATE	DRAWN		CHECKED		ENG APPR.		MFG APPR.		Q.A.		COMMENTS:		<COMPANY NAME>			TITLE:			SIZE	DWG. NO.	REV	A	TENTD		SCALE: 1:20		SHEET 1 OF 1
UNLESS OTHERWISE SPECIFIED:																																																						
DIMENSIONS ARE IN INCHES																																																						
TOLERANCES:																																																						
FRACTIONAL: $\frac{\quad}{\quad}$																																																						
ANGULAR: MACH $\frac{\quad}{\quad}$	BEND $\frac{\quad}{\quad}$																																																					
TWO PLACE DECIMAL: $\frac{\quad}{\quad}$																																																						
THREE PLACE DECIMAL: $\frac{\quad}{\quad}$																																																						
INTERPRET GEOMETRIC TOLERANCING PER:																																																						
MATERIAL																																																						
FINISH																																																						
NEXT ASSY	USED ON																																																					
APPLICATION																																																						
NAME	DATE																																																					
DRAWN																																																						
CHECKED																																																						
ENG APPR.																																																						
MFG APPR.																																																						
Q.A.																																																						
COMMENTS:																																																						
<COMPANY NAME>																																																						
TITLE:																																																						
SIZE	DWG. NO.	REV																																																				
A	TENTD																																																					
SCALE: 1:20		SHEET 1 OF 1																																																				

SOLIDWORKS Educational Product. For Instructional Use Only.

Tent Subsystem



Thank You