

A Step-by-step production and assembly guide for

# Market Stand Adaptive Costume

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# PRODUCT DEFINITIONS

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## WHO?

This costume design and assembly approach was created to enable and empower wheelchair users of all sizes and ages to enjoy dressing up without feeling left out or limited! In fact, we believe that wheelchair users have an advantage - an amazing base for an awesome structure! So this guide is how to make a wheelchair part of a costume :)

## WHY?

Although there is some adaptive clothing costumes on the market for individuals with disabilities, there remains a lack of options including assistive equipment and technologies such as wheelchairs, walkers and strollers in the design. This lack of inclusion often leaves users feeling segregated from peers.

## HOW?

This costume is more a guiding template than a single-directed-use design. It includes multiple components intended to be independently attached to the user's wheelchair and uses basic square materials such as cardboard and zip ties to enable size and aesthetic personalization while remaining affordable.

## WHAT?

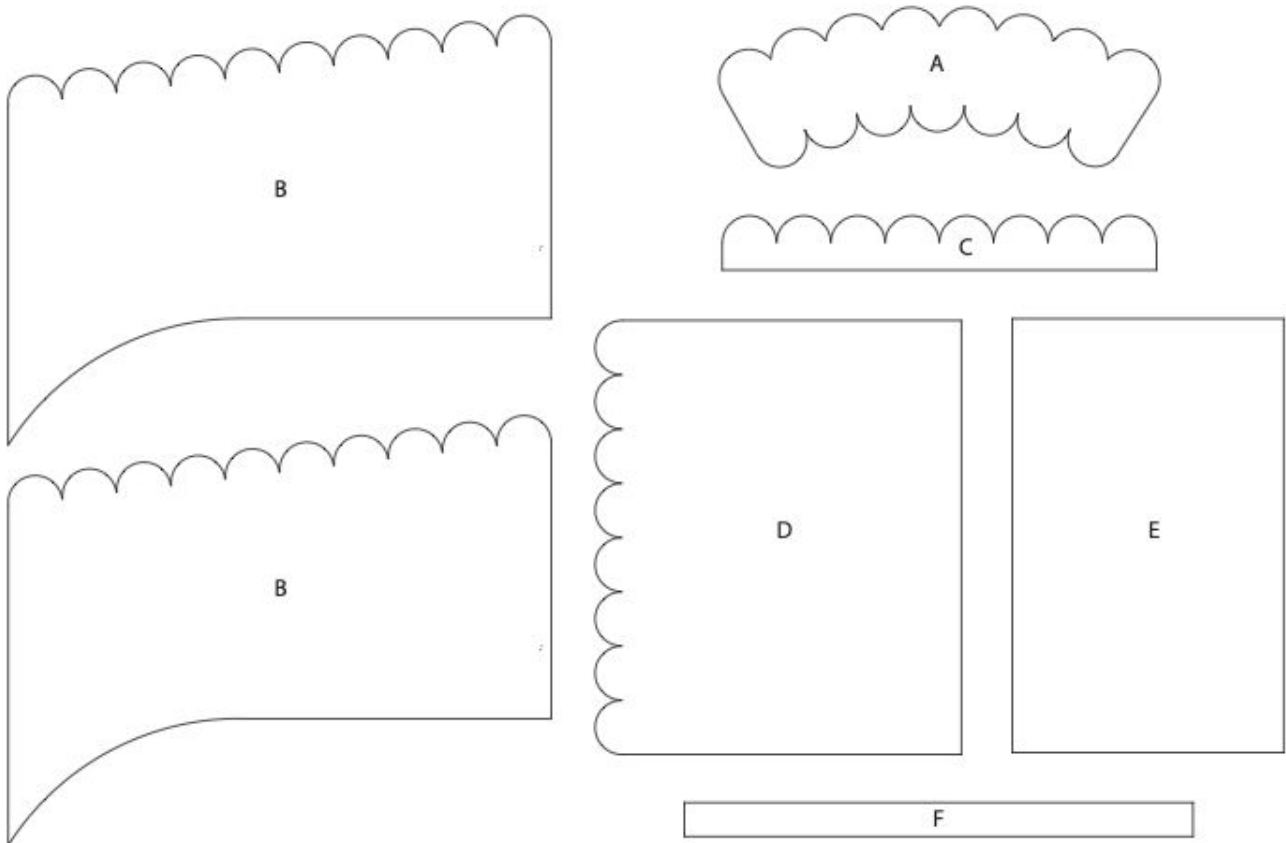
This is an adaptive, customizable costume for use with assistive equipment. It was originally designed as a market stand, it can also be used as a base template for any costume you might imagine!

Please share with us any new designs you come up with!

# EXPLODED PRODUCT VIEW

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Labels matching parts in BOM:





# PRICING + SPECIFICATIONS

## ESTIMATED COST

Materials:

If buying new cardboard

**15 USD**

**or**

If using recycled cardboard

**5 USD**

Laser Cutter Machine Time

**0.5 HOURS**

**or**

Manual Trace & Cut Time

**1 HOUR**

Assembly Time

**1.5 HOURS**

## DIMENSIONS

Height

**200 CM**

Width

**64 CM**

Length

**85 CM**



# PRODUCT VIEWS

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# BEFORE YOU START

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Carefully read the entire product file to ensure that you have all the required tools, materials and correct printer settings **BEFORE** you start making the product.



Always wear protective gear when working with power tools.



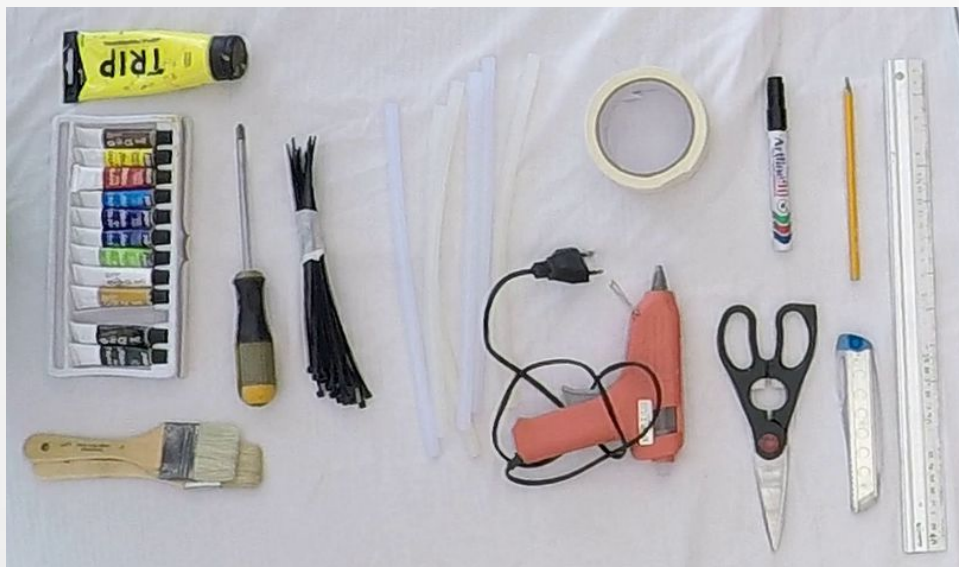
Send us feedback if you are having difficulty building this product - [hello@tomglobal.org](mailto:hello@tomglobal.org)



**Have fun and give yourself a pat on the back for making the world a better place!**

## TOOLS NEEDED

- Cardboard
- Masking tape
- Hot glue gun
- Velcro or zip ties
- Ruler
- Pencil/marker
- Scissor and/or exacto knife
- Screw driver
- Child safe paint
- Pain brushes/rollers



**SAFETY!** **Always** wear protective gear when working with power tools.





# Bill Of Materials

Item	Item Description	Material	Manufacturing Technology	Dimensions	QTY	Supplier
A	Sign	Cardboard	Laser cutting	65cm * 23.6cm	1	Maker - <a href="#">Full DXF</a>
B	Box side	Cardboard	Laser cutting	80cm * 63.3cm	2	Maker - <a href="#">Full DXF</a>
C	Box inside border	Cardboard	Laser cutting	64cm * 8cm	1	Maker - <a href="#">Full DXF</a>
D	Box front	Cardboard	Laser cutting	64cm * 54cm	1	Maker - <a href="#">Full DXF</a>
E	Box top	Cardboard	Laser cutting	64cm * 40cm	1	Maker - <a href="#">Full DXF</a>
F	Box diagonal cross	Cardboard	Laser cutting	75cm * 5cm	1	Maker - <a href="#">Full DXF</a>
G	Broomstick	Cardboard	Off the shelf	3.2cm * 3.2cm * 152.4cm	2	<a href="#">Link - broomstick</a>
H	Non-toxic paint		Off the shelf	*optional*		<a href="#">Link - Non-toxic paint</a>
I	Zip ties		Off the shelf			<a href="#">Link - Zip ties</a>
J	Hot glue sticks		Off the shelf			<a href="#">Link - Hot glue sticks</a>



# Bill Of Materials - Files

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## Files:

- [Market Stand Parts Exploded View Labelled True Scale DXF](#)
- [Market Stand Parts Exploded View Labelled A4 Document](#)

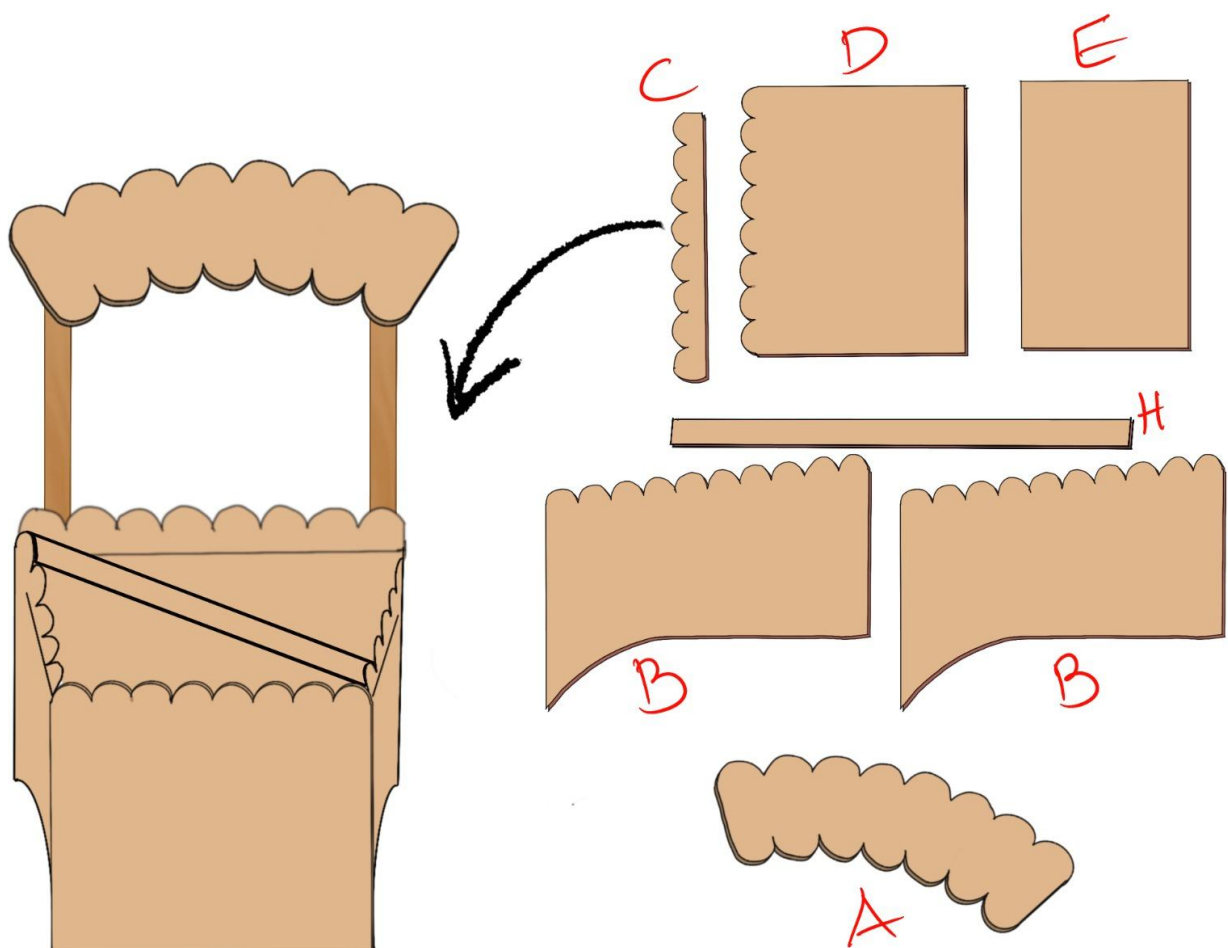
## And you are welcome to watch the:

[Market Stand Assembly Guide Video](#) !



# ASSEMBLY GUIDE

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**Market Stand  
Adaptive Costume**



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# **THANK YOU FOR MAKING WITH US MARKET STAND ADAPTIVE COSTUME!**

Feel free to send us your feedback  
to us at [hello@tomglobal.org](mailto:hello@tomglobal.org)