



A close-up photograph of a hand in a white glove pulling a zipper on a blue fabric bag. The zipper is partially open, and the hand is positioned to pull it further. The background is a solid blue color.

DYFA Zip Bag

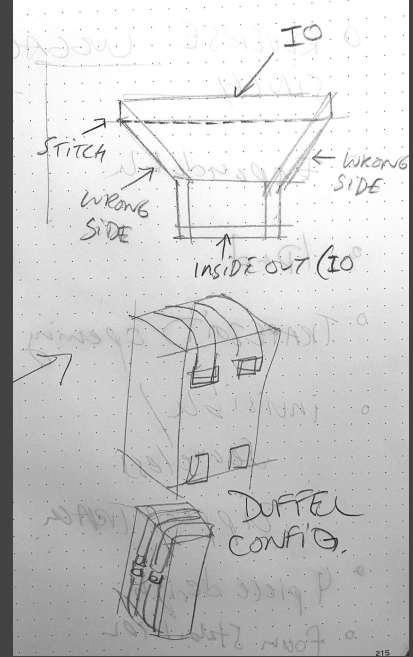
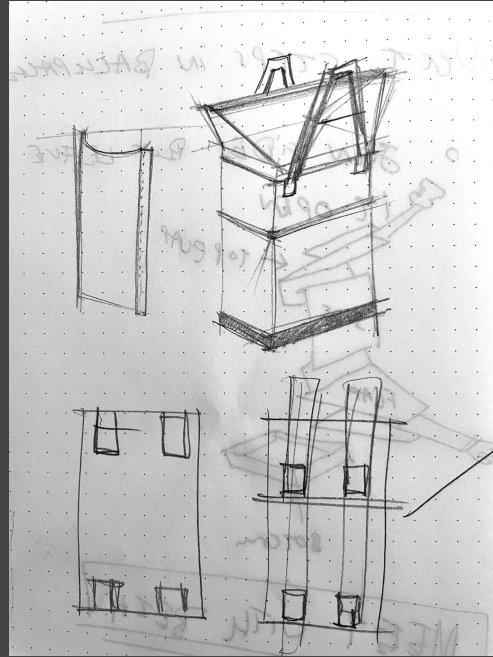
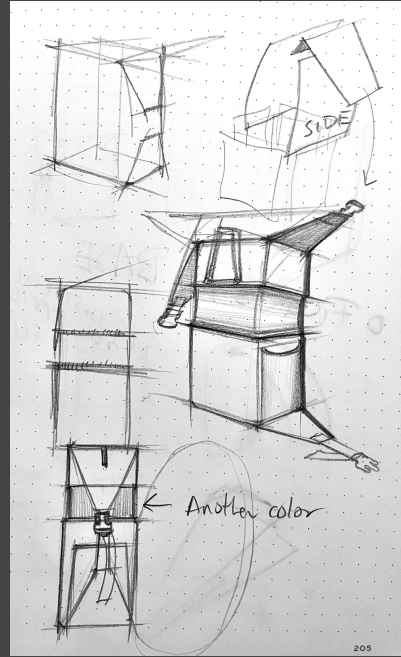
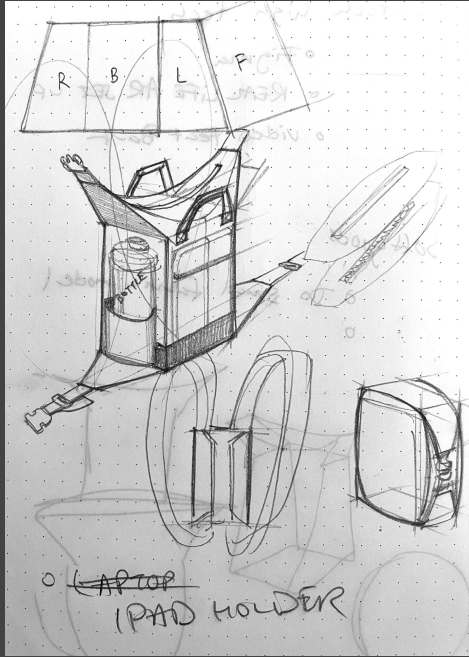
By: Dylan Fan

DYFA

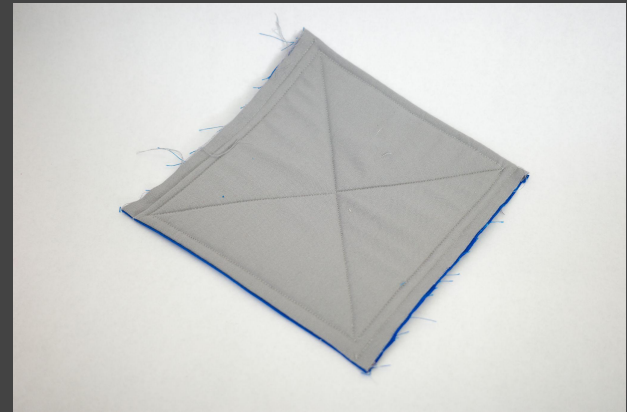
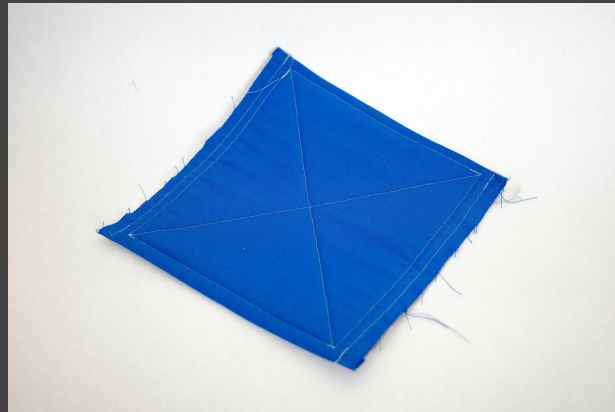
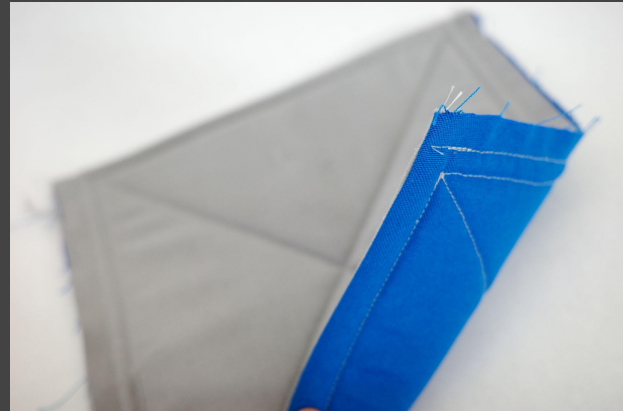
Concept

- Carries camera equipment *safely and comfortably*
- Can *expand* to increase capacity
 - For winter clothing
 - For longer trips
 - For larger items like telephoto lenses or packages
- Non-utilitarian appearance
 - Friendly, unique, neat, *clean*
 - *Functionality* is embedded in good design
- Rugged and *reliable*
- Easy to use

Concept Sketches



3D Sketches

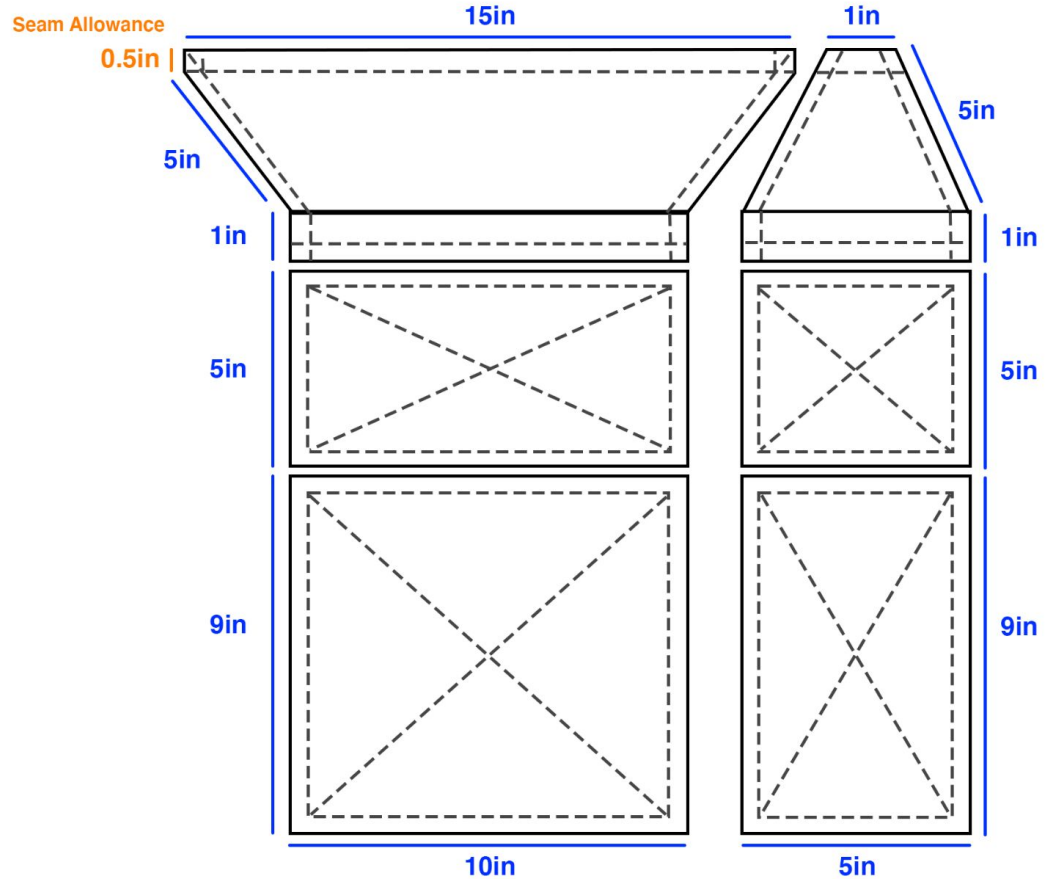
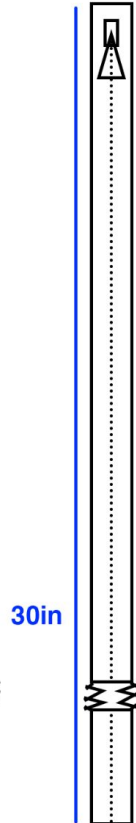
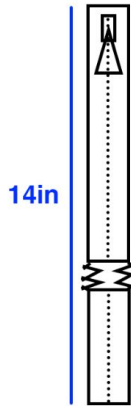


Pattern Layout



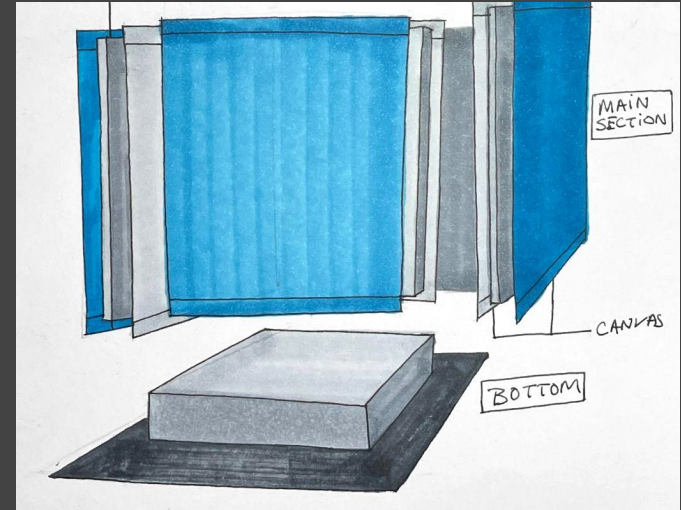
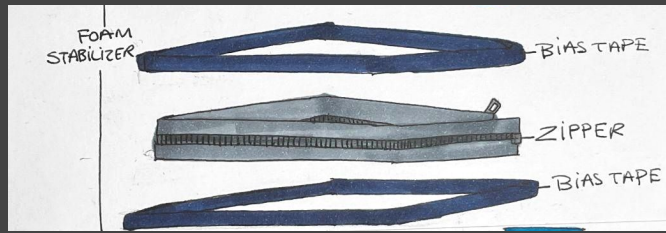
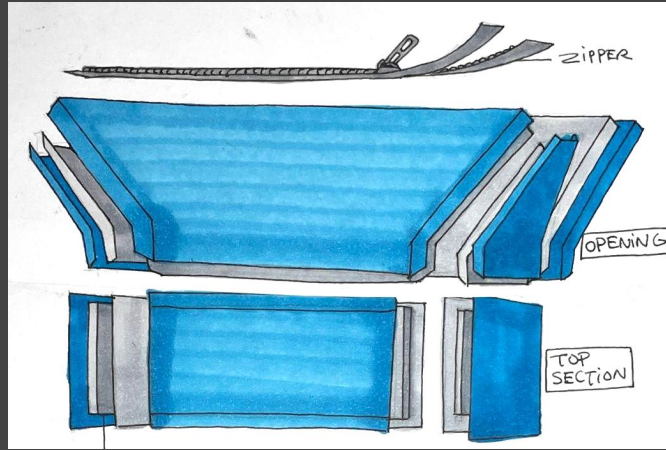
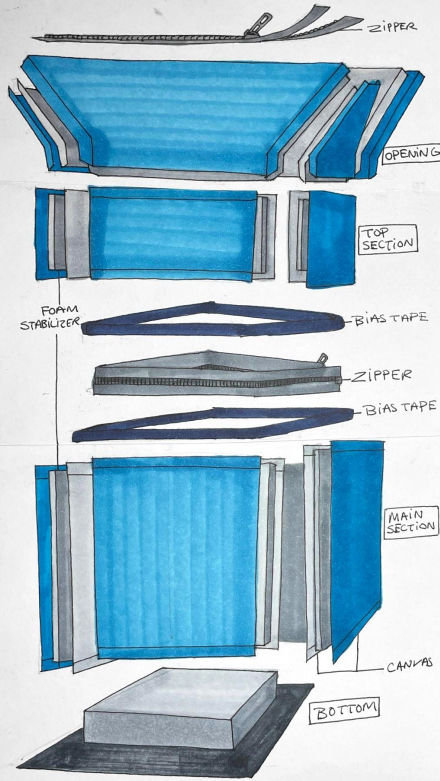
Pattern Layout

- Cut
- - - Stitch

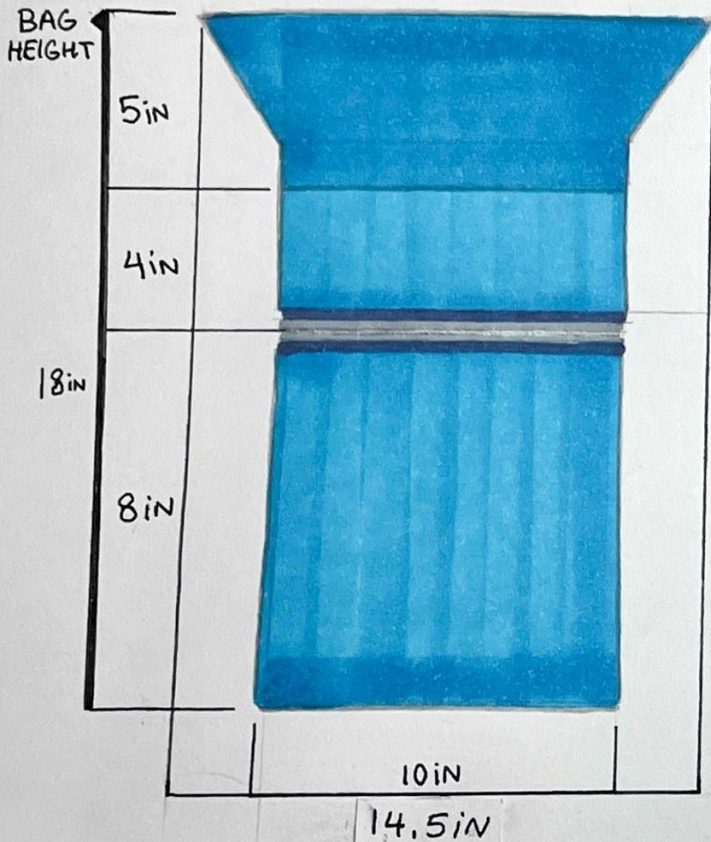


Exploded View

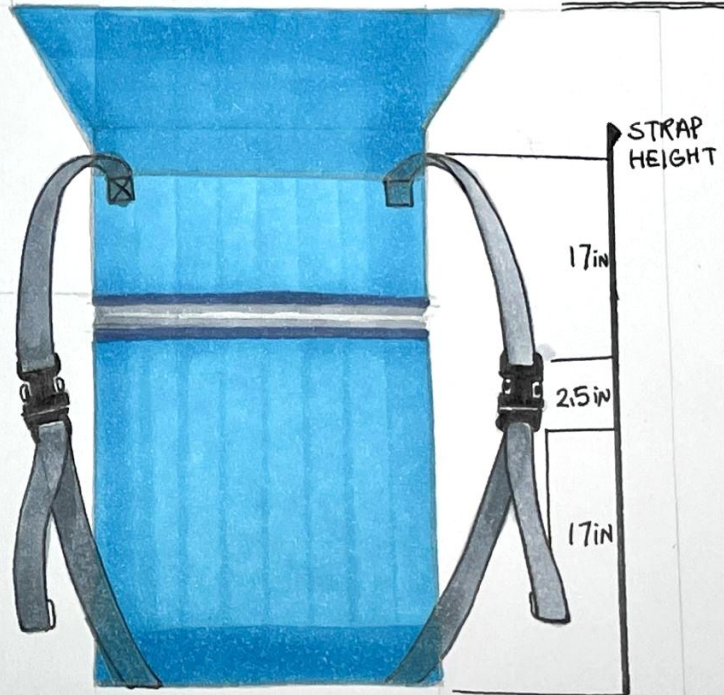
EXPLODED VIEW - BACKPACK



Orthographic

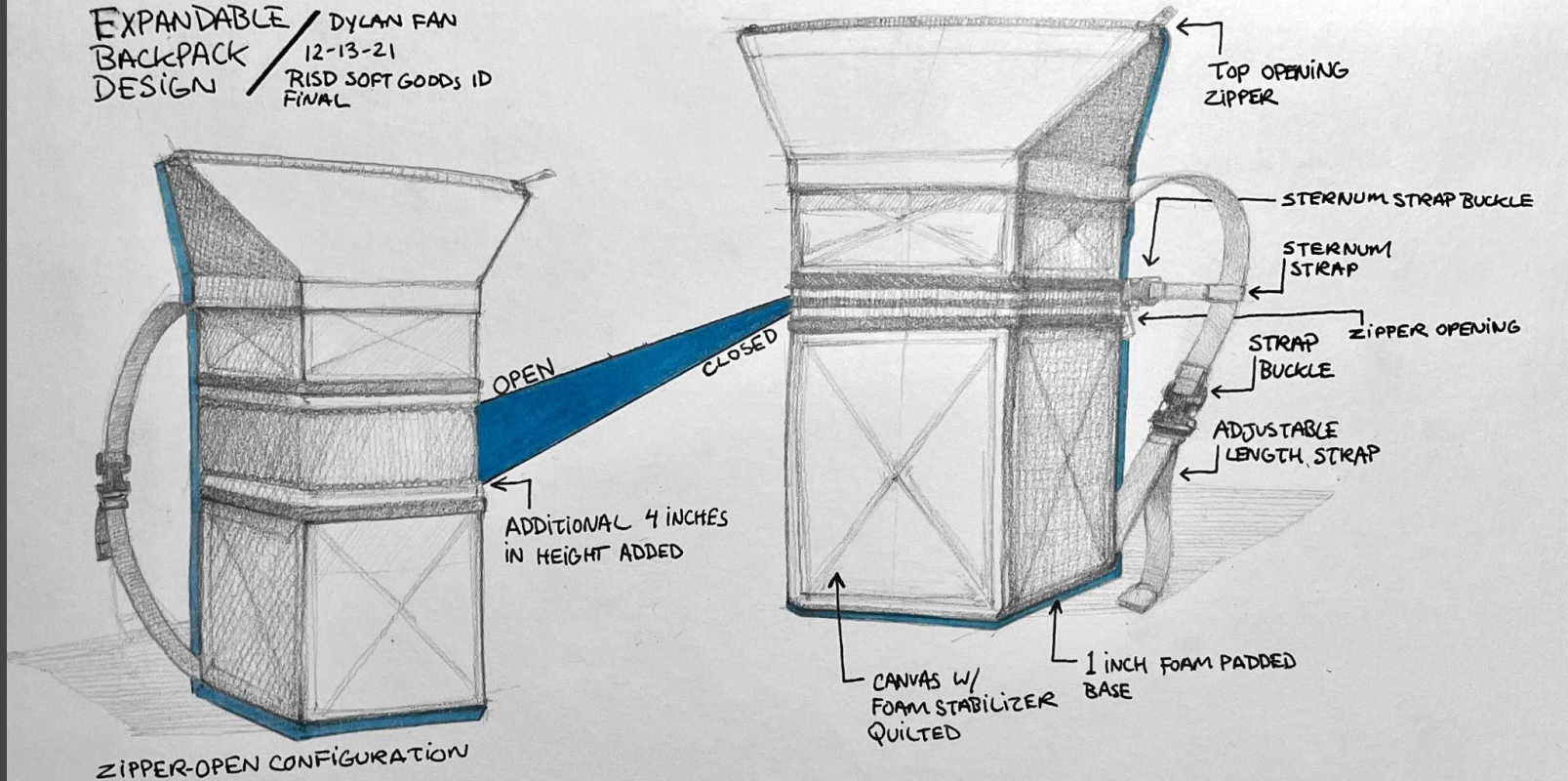


ORTHOGRAPHIC



Final Sketch

EXPANDABLE
BACKPACK
DESIGN / DYLAN FAN
12-13-21
RISD SOFT GOODS ID
FINAL

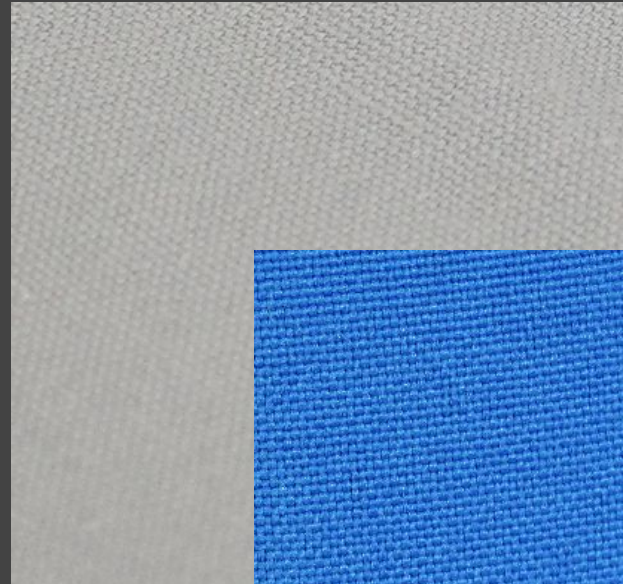


Bill of Materials

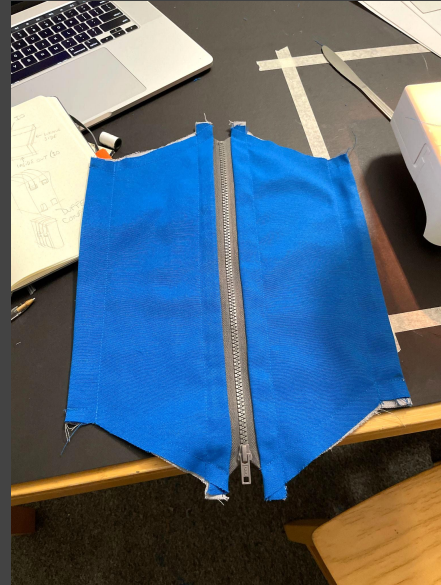
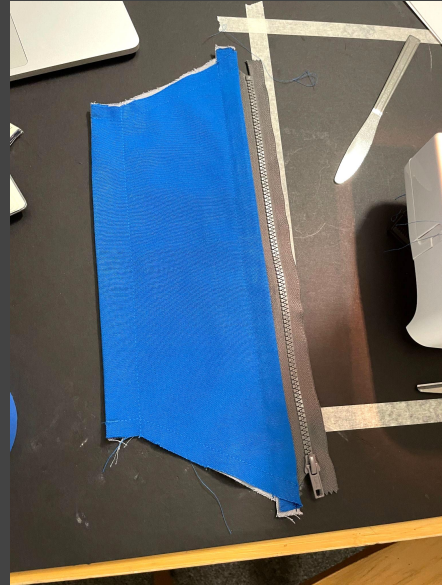
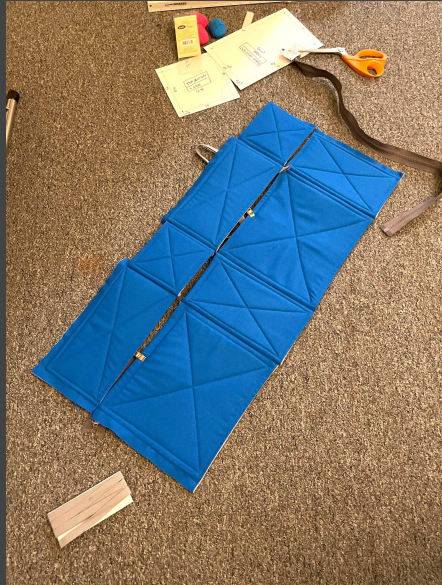
Name	File Name	Revision
Dylan Fan	DYFA ZIP BAG BOM	1

Quantity	Item	Item Number	Description	Yield	Color	Cost
1	Lightweight Canvas	DYFA_01	Soft Rugged Fabric	3 Yards	Any	\$7.99/ Per Yard
1	YKK Heavy Duty Dual Adjustable Buckles	DYFA_02	Plastic Buckles for straps	10 / Per Pack	Any	\$12.79
2	Wrights Double Fold Bias Tape	DYFA_03	For Binding Edges	4 Yards / Per Pack	Any	\$5.89
1	Wrights Single Fold Bias Tape	DYFA_04	For Decoration	4 Yards / Per pack	Any	\$1.89
1	30" Jacket Zipper (Detachable)	DYFA_05	For Top-Main Section Opening (Plastic)	1 Zipper	Any	\$8.99
1	14" Pocket Zipper (Non-Detachable)	DYFA_06	For Bag Opening (Plastic)	1 Zipper	Any	\$7.99
1	1" Strap	DYFA_07	For Shoulder Straps	3.5 Yards	Any	\$0.99/ Per yard
Total						\$70.87

Material Samples



Process Pictures



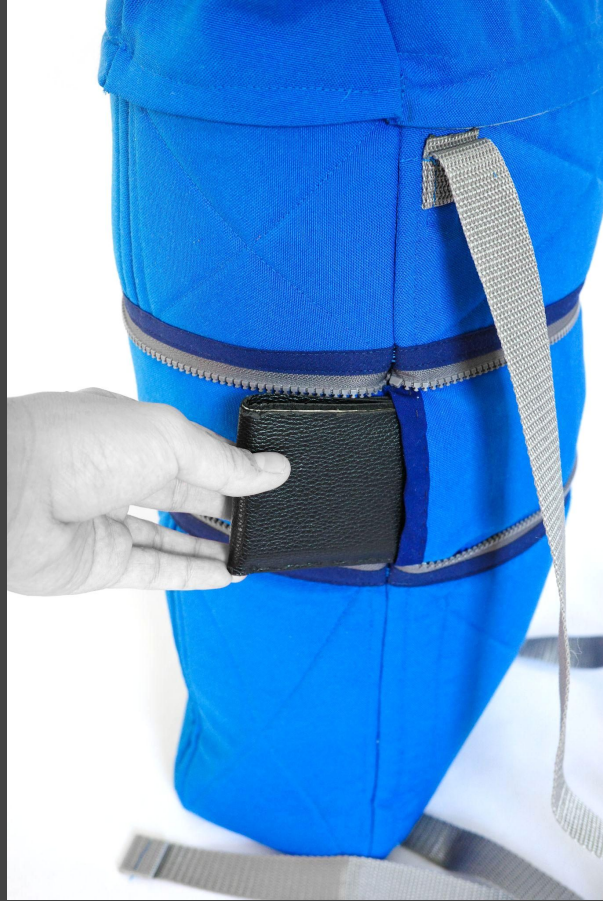
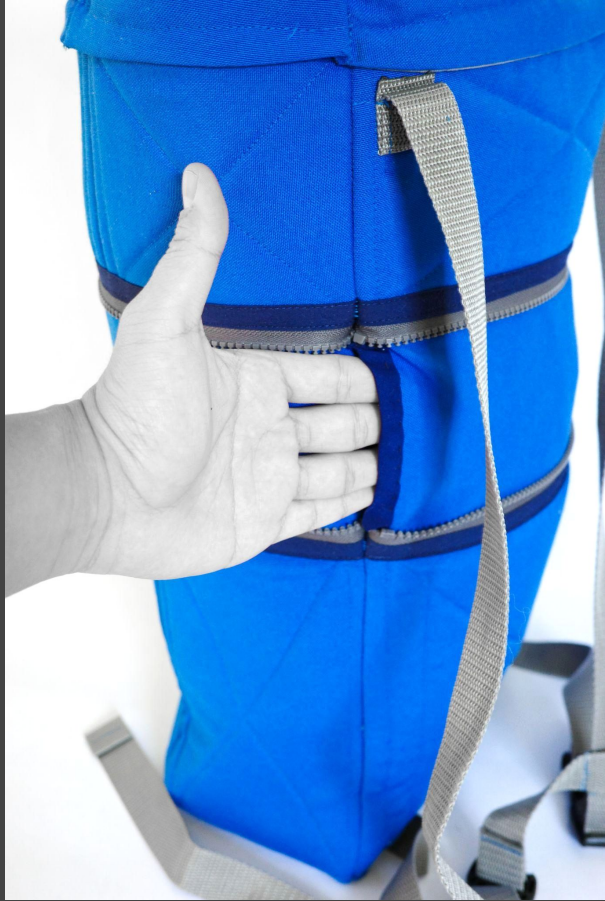


Final Product

















Real World Test

Flying home to DC from Providence



Loaded with camera equipment, headphones, wallet, notebook and space for my sweater.

Review

Pros:

- Bag holds camera insert perfectly and safely
- Thick foam base and side walls keeps fragile items without needing extra protection
- Straps can clip on the front side of the bag
 - to be stowed without strap tangle
 - to cinch down bloated bag
- Does not look utilitarian and rough despite functionality
- Expanded side opening is useful for small items that are stuck in the middle
- Has perfect amount of structure to be sturdy but also flexible and stuffable
- Works as designed

Cons:

- Strap is too thin (will be replaced)
- Expanded side opening should include a secret internal pocket
- Stitching can appear slightly messy from the inside because of the blue thread on grey fabric

The image shows the logo for DIPA (Department of Information Policy Administration) in a light gray color. The logo is centered within a solid blue rectangular background. The letters are stylized and bold, with the 'D' being particularly large and rounded.

End