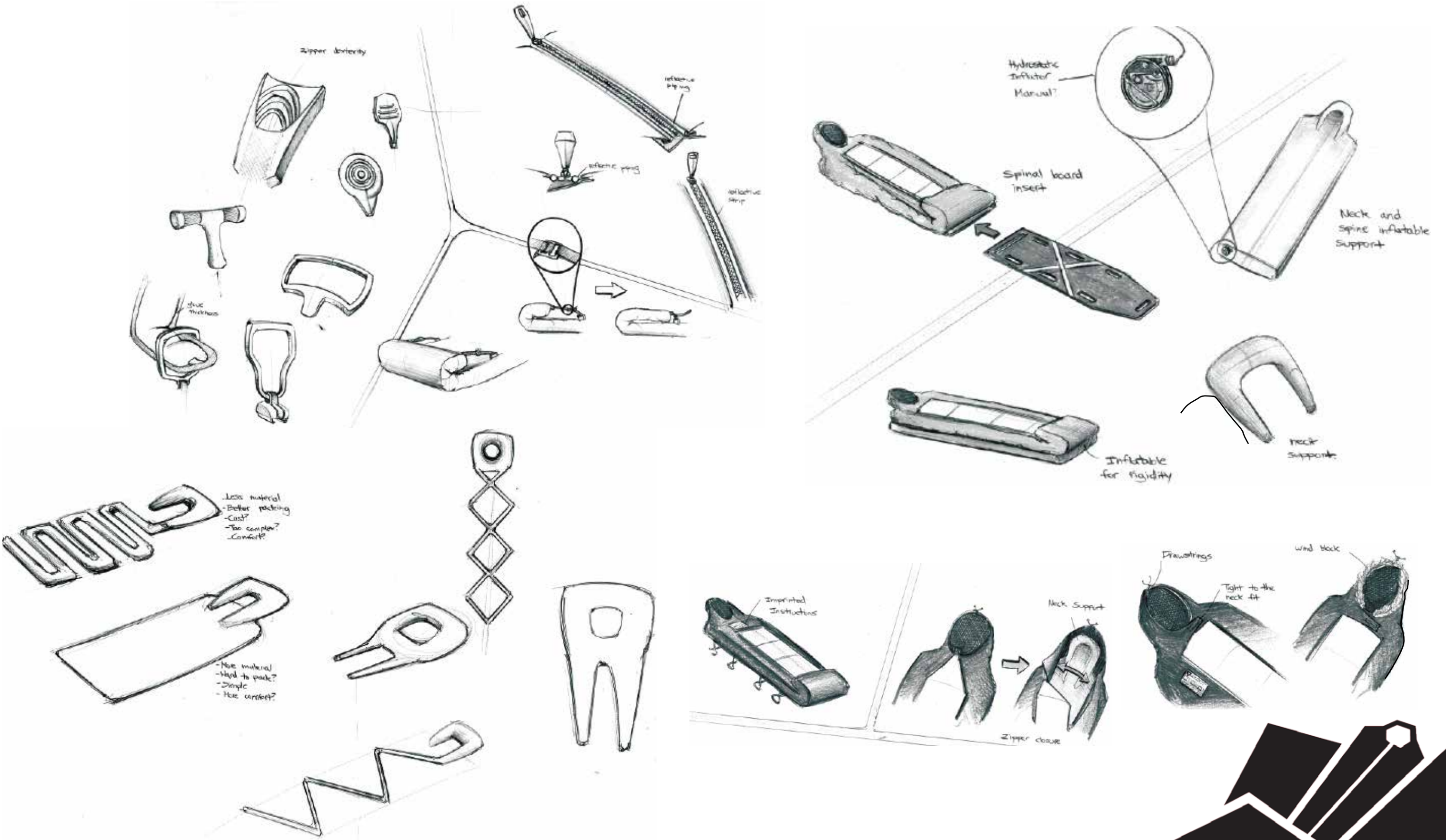
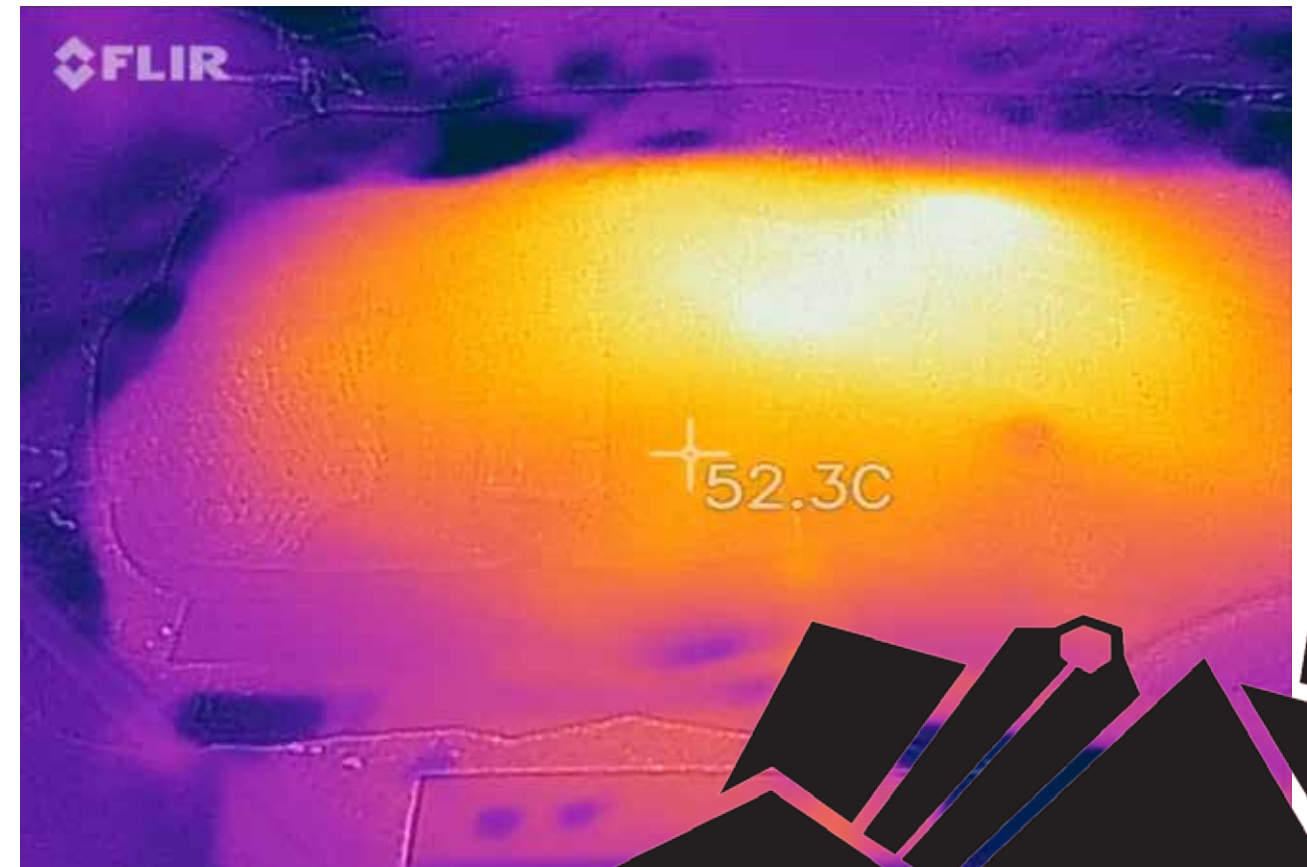
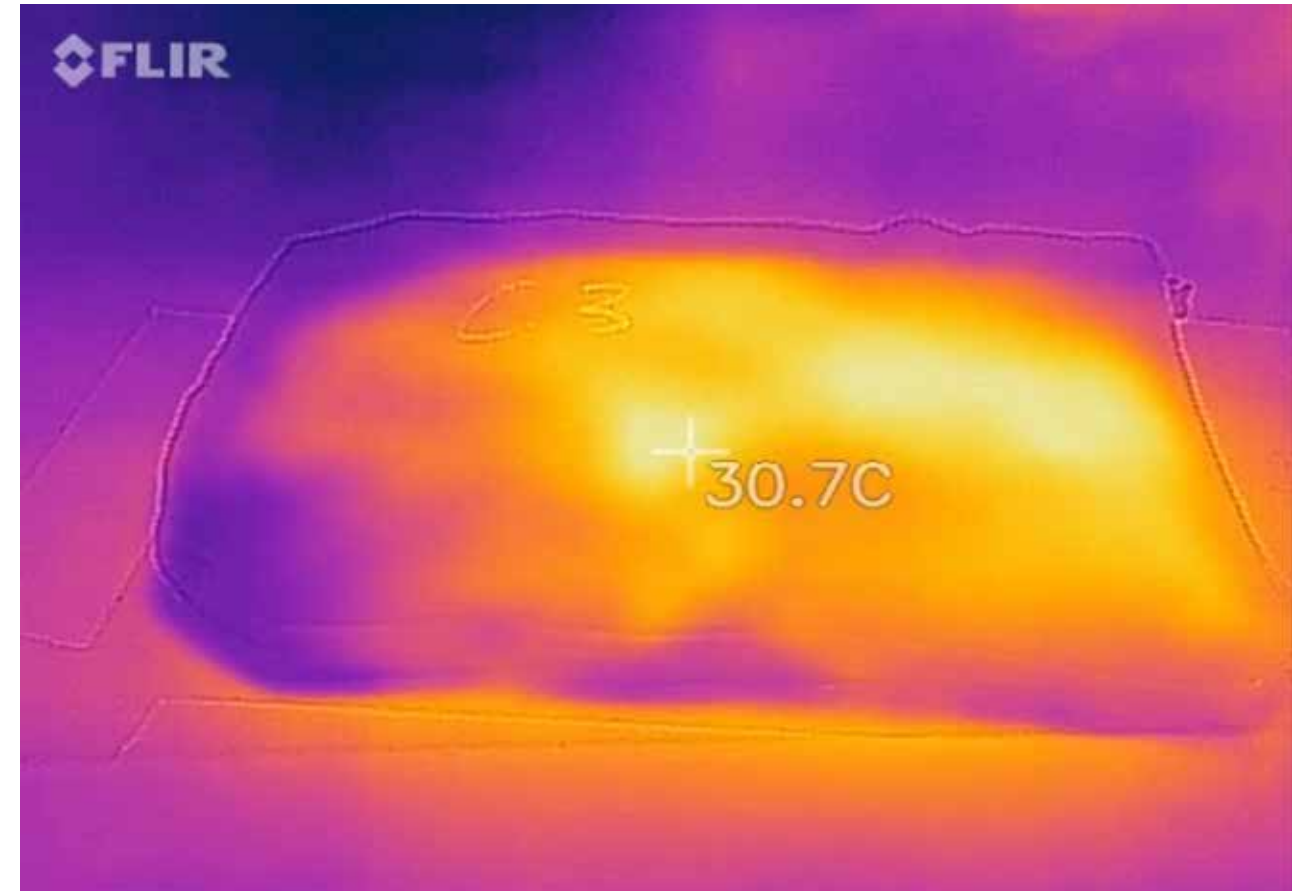




CONTEXT





MATERIAL TESTING

HYPOTHERMIA

Mild 35-33°C
Shivering
Vasoconstriction

Moderate 32-30°C
Shivering Reduces
Impairment of
Motor Skill

Severe 29-26°C
Rigid
Unconscious
Absent Vitals

Severe >25°C
Spontaneous
Ventricular
Fibrillation
Cardiac Arrest

TREATMENT

Do Not
Manipulate
Extremities

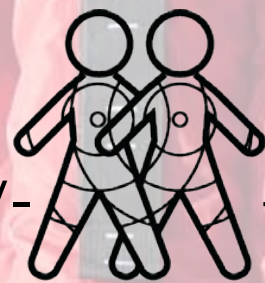
Careful
Handling

Keep
Horizontal

Protect
from
Elements



Radiation



Conduction



Work



Convection



Metabolism



Evaporation

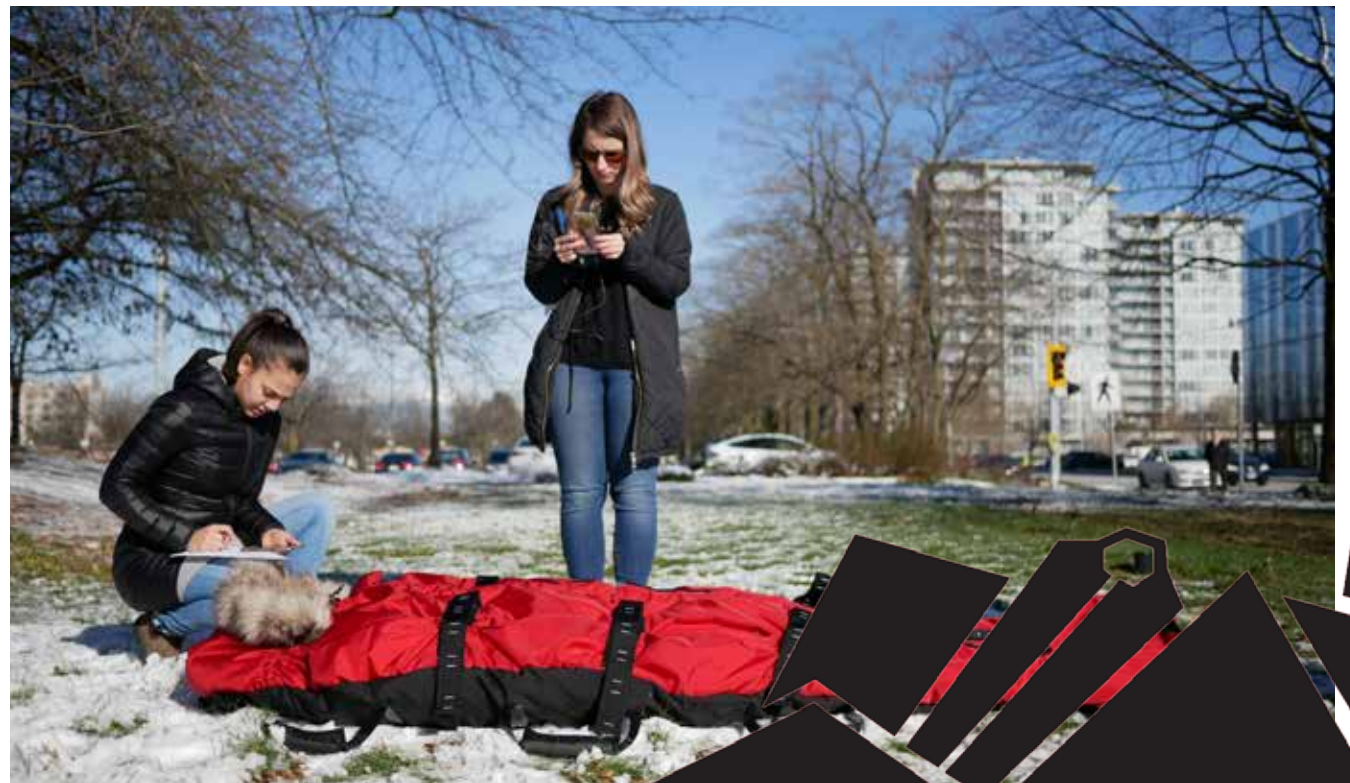


Thermal
Balance



Respiration

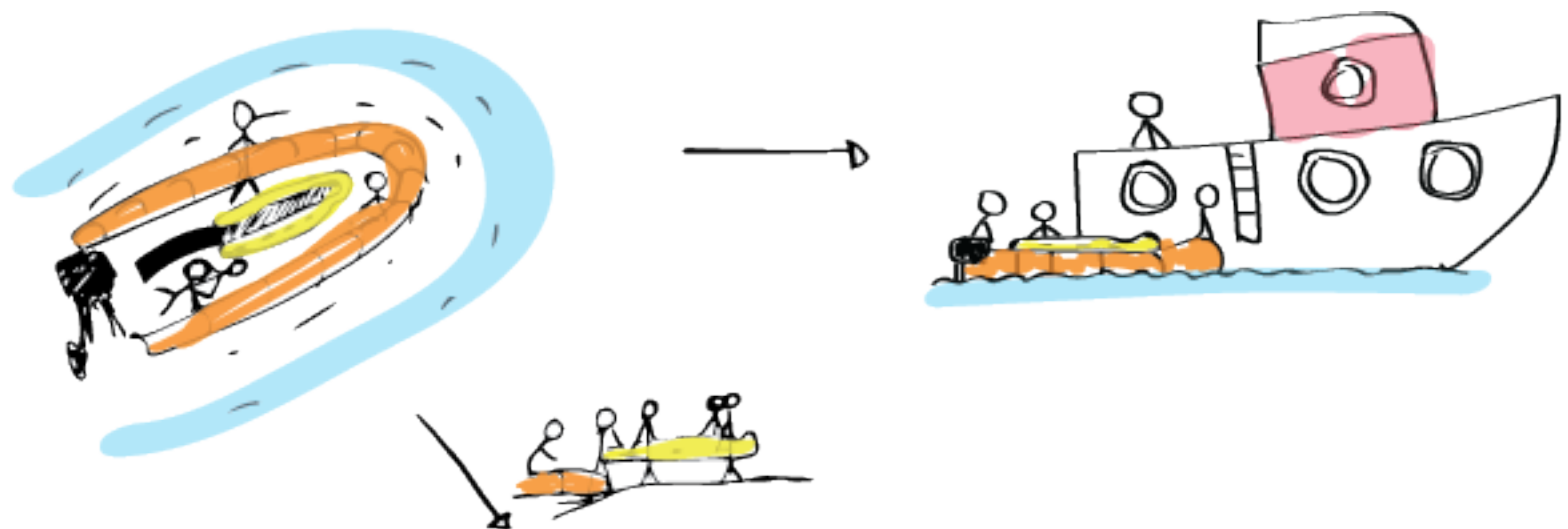
THERMAL PHYSIOLOGY



USER TESTING

Zodiac Rescue

1.



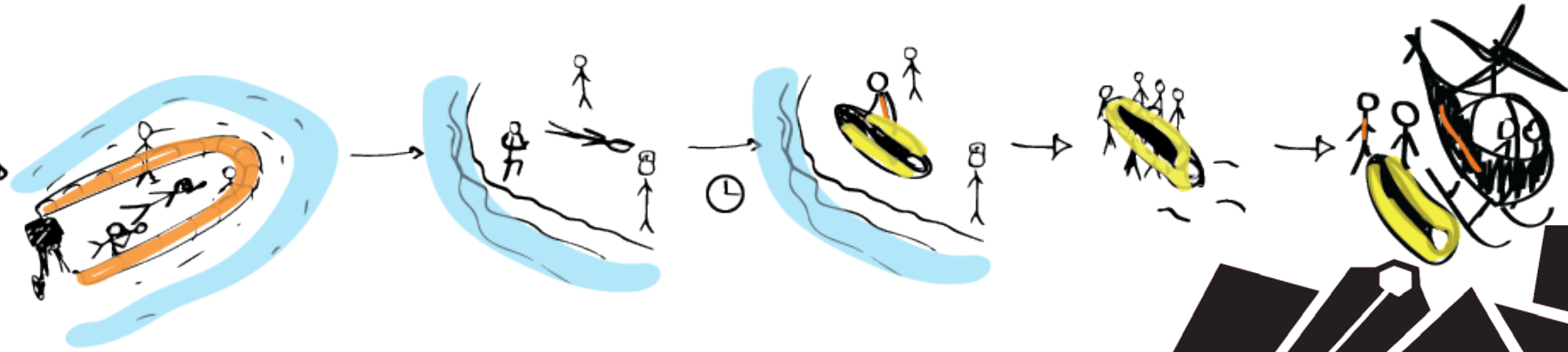
Shore Rescue

2.

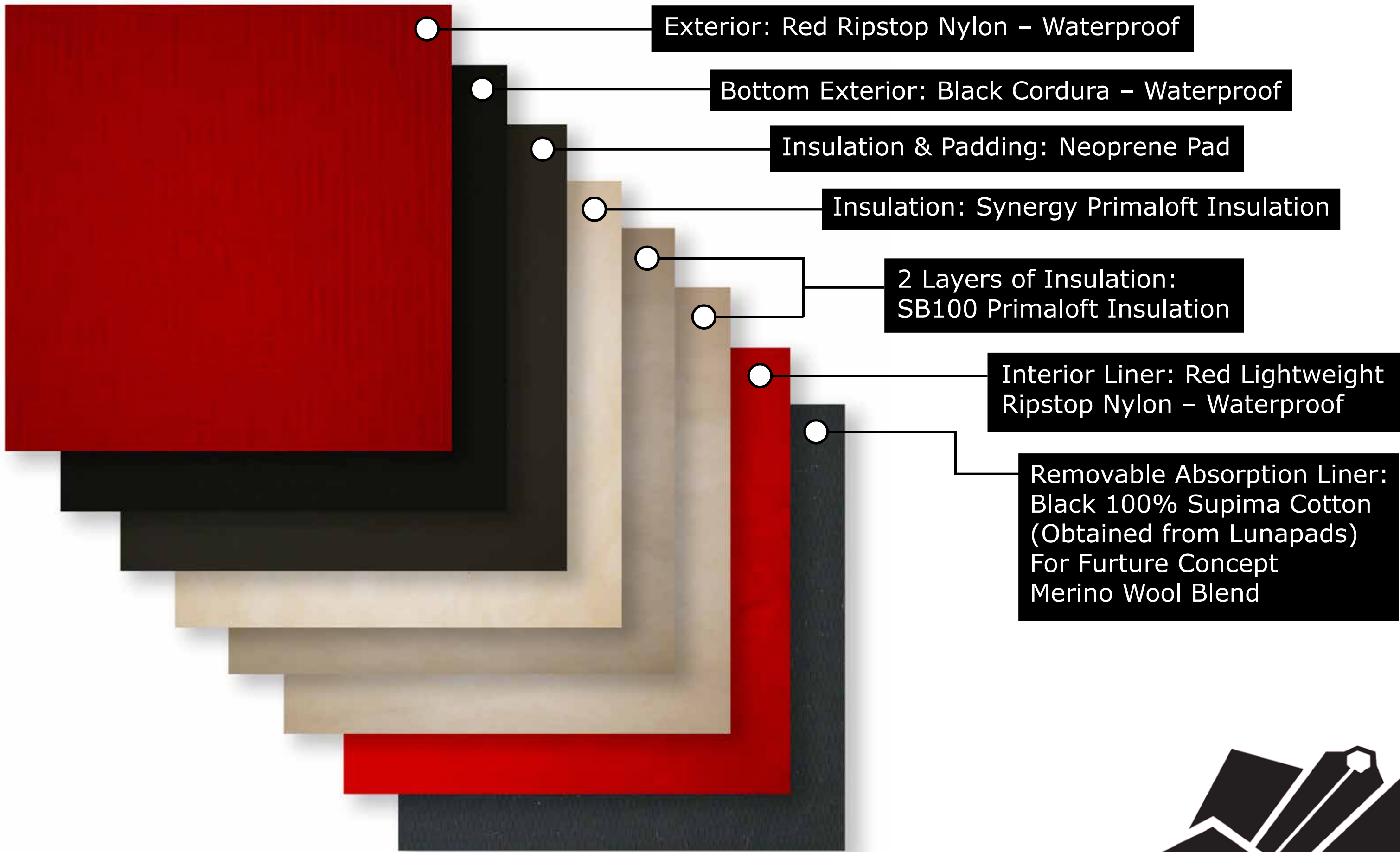


Arctic Rescue
w/o Burrito

3.



SCENARIOS



FINAL MATERIAL



1. Hood

Face Cinch   

Fur Hood   

2. Interior

Inflatable Pillow  

Absorbant Lining  

3. Exterior

Red Exterior 

Waterproof Material 

4. Zipper

3-Way Zipper  

Zipper Toggles  

5. Insulation

Loft Insulation  

6. Closure

Zipper Flaps  

7. Cinching

Length Velcro Cinching  

Side Velcro Cinching  

8. Handles

Coated Handles  

9. Support

10. Base Material

Durable Bottom  



Radiation



Conduction



Work



Convection



Metabolism



Evaporation



Thermal Balance



Respiration



Posture



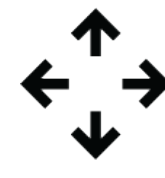
Visibility



Access



Comfort



Portability



Durability

FEATURES



PATTERN FACE CARD

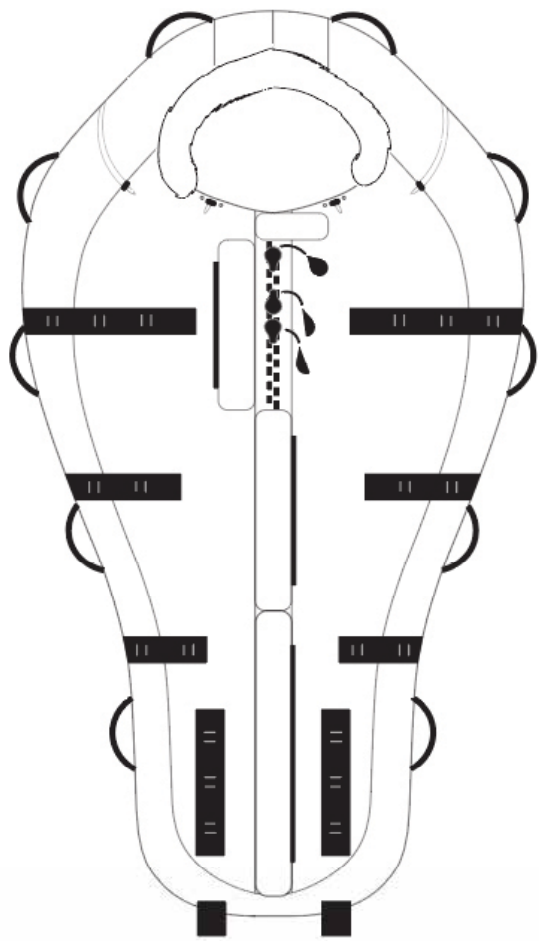
Style Number : Burrito

Season: Winter 2018
Size Range: One Size
Sample Size: N/A
Description: A passive rewarming device for people suffering from hypothermia for use in polar conditions.

Measurement	
eight	31cm
Length	220cm
Width	105cm

Piece List

Red Ripstop Nylon	Amount of Pieces
Top Body	x2
Side Panel	x2
Hood Top	x2
Fur Hood Additional	x1
Hood Rim	x1
Flap #1x	2
Flap #2x	4
Flap #3x	4
Flap #4x	4
Flap #5	x2
Zipper Side	x4
Side Cinch x	2
Liner	
Top Body	x2
Side Panel	x2
Bottom	x1
Hood Cinch	x1
Absorbent Liner	
Hood Top	x1
Bottom	x1
Side Panel	x2
Top Body	x2
Inflation Pillow Casex	1



Technical Flat:

Notes:
Machines Used: Straight stitch, Bartack, Flatlock, Heat press, seam Sealer, ultrasonic welder, walking foot,

BOM:

See BOM Page



PATTERN FACE CARD

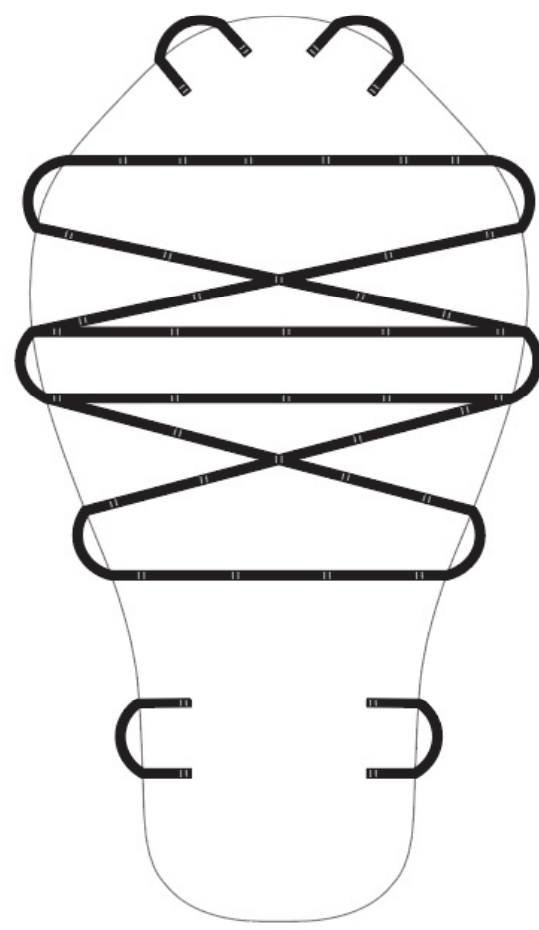
Style Number : Burrito

Season: Winter 2018
Size Range: One Size
Sample Size: N/A
Description: A passive rewarming device for people suffering from hypothermia for use in arctic scenarios.

Measurement	
eight	31cm
Length	220cm
Width	105cm

Piece List

Cordura	Amount of Pieces
Bottom	x1
Insulation	
Top Body	x6
Side Panel	x6
Hood Top	x3
Flap #1x	2
Flap #2x	2
Flap #3x	2
Flap #4x	2
Flap #5	x2
Bottom	x3
Fur	
	x1
Neoprene	
Handles	x10
Coated Nylon	
Inflation Body	x1
Inflation Side	x2






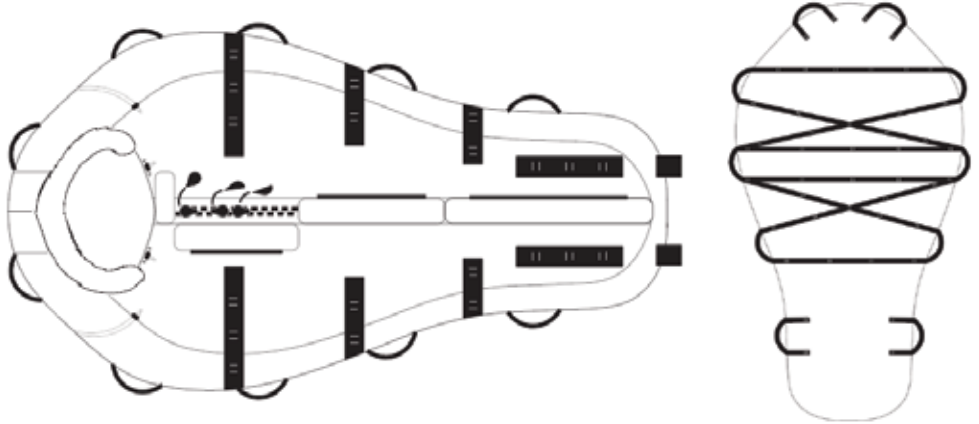
Technical Flat:

Notes:

BOM:

See BOM Page

COSTING							
	Style Number:	2 . 0					
	Style Name:	Burrito					
	Season:	Winter 2018					
	Size Range:	One Size					
	Description:	A passive rewarming device for people suffering from hypothermia for use in polar conditions.					
TECHNICAL FLAT: 							
FABRIC DESCRIPTION							
TYPE	SUPPLIER	ITEM NUMBER	WIDTH/SIZE	COLOUR	PRICE/UNIT	USAGE	AMOUNT
Absorbent Lining	Lunapad		150cm	Black	4	9.5	38
Lining	Kwantlen		150cm	Red	5.50	5.80	31.90
Self	Kwantlen		150cm	Red	8.00	8.00	64.00
Insulation	Kwantlen		150cm	white	5.50	21.50	118.25
Inflation	Kwantlen		150cm	green	4.00	0.40	1.60
Outer	Kwantlen		150cm	Black	8.00	2.30	18.40
Neoprene	Kwantlen		150cm	black	30.00	2.00	60.00
FABRIC COST:							\$ 332.15
TRIM DESCRIPTION							
TYPE	SUPPLIER	ITEM NUMBER	WIDTH/SIZE	COLOUR	PRICE/UNIT	USAGE	AMOUNT
Rivets	Kwantlen		large	silver	0.1	6	0.6
Snaps	Kwantlen		large	silver	0.10	9.00	0.90
Eyelets	Kwantlen		large	silver	0.10	6.00	0.60
1" Nylon Coated We	FAST		1"	black	1.50	46.70	70.05
2" Webbing	Kwantlen		2"	black	1.25	7.90	9.88
2" Coated Webbing	FAST		2"	black	2.20	1.70	3.74
Toggles	Kwantlen		2.5	black	0.30	1.60	0.48
2" Velcro Loop	Kwantlen		2"	black	1.25	6.00	7.50
2" Velcro Hook	Kwantlen		2"	black	1.25	6.50	8.13
1" Velcro	Kwantlen		1"	black	1.00	2.30	2.30
1/4" Velcro	Kwantlen		1/4"	black	0.50	1.70	0.85
Cording	Kwantlen		4mm	Black	0.10	3.00	0.30
2" adjuster	Kwantlen		2"	black	2.00	2.00	4.00
Fur	Kwantlen		73cm	crème	20.00	1.00	20.00
Zipper Pulls	FAST		1"	black	1.10	3.00	3.30
#10 Zipper	FAST		1 3/4"	black	1.60	7.50	12.00
TRIM COST:							\$ 144.02
MANUFACTURING BREAKDOWN							
	Rate/hour	Time/Hours	Amount				
Sewing	\$15.00	36	\$540.00	FABRIC/TRIM COST:		476.17	
Pattern	10% of sewing		\$54.00	MANUFACTURING COST:		675.00	
Cutting	5% of sewing		\$27.00	GARMENT SUBTOTAL:		1,151.17	
Grading	5% of sewing		\$27.00	GROSS MARGIN (60%):		N/A	
Marker	5% of sewing		\$27.00	WHOLESALE COST		N/A	
Surcharge				SALES AGENT FEE (10%):		N/A	
TOTAL			\$675.00	TOTAL WHOLESALE PRICE		\$1,151.17	
				SUGGESTED RETAIL PRICE		\$2,350.00* for initial estimate only	

BILL OF MATERIALS				Date:	20/02/2018		
	Style Number:	2 . 0		N/A			
	Style Name:	The Burrito		Size Range: One Size			
	Description:	A passive rewarming device for people suffering from hypothermia for use in polar conditions.		Season: Winter 2018			
	Self Fabric:	Red Ripstop		Weight:			
	Fiber Content:						
Ref Style:							
							
FABRICS							
Fabrics	Vendor/Style	Description	Colour 1	Width	Weight	Yield	Placement
Self		Ripstop	Red	150cm	186gm	26	Hood, top body, side panels, fur rim, flaps, side cinch
Lining		ripstop	red	150cm	73gm	19.00	Top body, bottom, side panels, hood cinch
Absorbent Lining		knit	black	150cm	253gn	31.00	Hood, top body, side panels, bottom.
Insulation		primaloft	white	150cm	122gm	70.5	Hood, flaps, bottom, top body, side panels
Neoprene		5mm neoprene	black	150cm	1512gm	8	bottom, Handles
Inflation		Coated Nylon	green	150cm	221gm	1.5	pillow
Outer		Cordura	black	150cm	297gm	7.5	bottom
NOTIONS/TRIMS							
Notions/Trim	Vendor/Style	Description	Colour 1	Width	Length	Yield	Placement
Snaps		Large silver	silver			9	Fur rim
Eyelets		Large silver	silver			6	Fur rim
Rivets		Large silver	silver			6	Zipper Pulls
Cording		Black nylon cording	black			9.5	hood
Toggles		round black	black			5	hood, side panels, carry bag
1" Coated Webbing		1" Coated Webbing	black	1"		46.7	bottom
2" webbing		2" webbing	black	2"		28.1	straps, carry bag
2" velcro loop		2" velcro	black	2"		19	straps, flaps
2" velcro hook		2" velcro	black	2"		21.3	straps, flaps
2" Coated webbing		2" Coated webbing	black	2"		5.3	flaps
1" velcro		1" velcro	black	1"		7	flaps
1/4" Velcro		1/4" Velcro	black	1/4"		1.1	handles
2" Adjusters		2" adjuster	black	2"		2	carry bag
Fur		Real animal fur	crème	73cm		1	hood
zipper Pull		zipper Pull	white			3	zipper
#10 Zipper Pull		#10 Zipper Pull	black			3	zipper
#10 Zipper		#10 Zipper	black			7.1	zipper
NOTION/TRIM REFERENCE PHOTOS/SAMPLES							

TECHNICAL PACKAGE