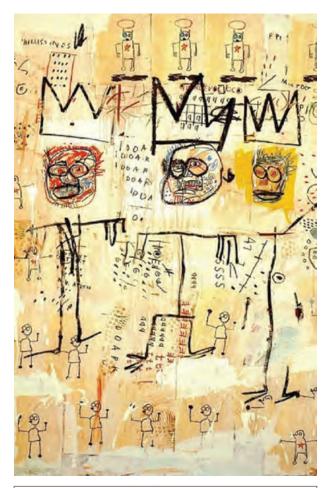
CURIOSITY

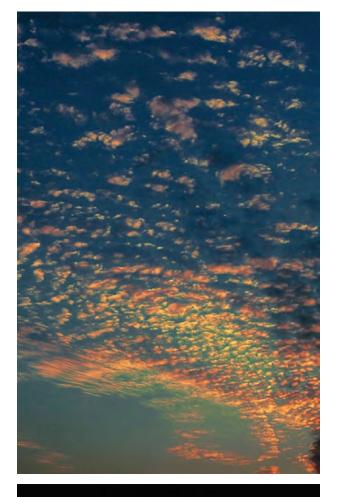


CURIOSITY

CURIOSITY IS DEFINED AS A NEED. THIRST OR DESIRE FOR KNOWLEDGE: THE MAINTENANCE OF AN OPEN MIND IS CENTRAL TO MOTIVATION EXPLORATION AND CREATIVITY- A FACT THAT WAS CONFIRMED REPEATEDLY THROUGHOUT MY OWN DESIGN PROCESS. RESULTANTLY. MY THESIS COMBINES THE ACT OF FXPI ORATION WITH THE MOST OPEN-MINDED LEVEL OF CURIOSITY- THAT OF A CHILD. IN THIS WOMENSWEAR COLLECTION I PULLED VISUAL ELEMENTS FROM THE NOVELS "AROUND THE WORLD IN 80 DAYS" (JULES VERNE). "THE LITTLE PRINCE" (ANTOINE DE SAINT-EXUPERY) AND JEAN-MICHELE BASQUIAT'S WORK THE GARMENTS ARE VISUALLY SUPPORTED BY THE FORM AND SHAPE OF HOT AIR BALLOONS. A VEHICLE FOR EXPLORATION AND A MOTIF CENTRAL TO VERNES' NOVEL FOR THE STRUCTURAL PIECES LEXAMINED THE BALLOON'S PANELS AND HOW TENSION WITH STRING CONTRIBUTED TO THE OVERALL FORM: IN ORDER TO ACHIEVE THE DESIRED FABRIC STIFFNESS, I COMBINED SILK ORGANDY, STITCH WITCHERY, AND SILK ORGANZA, MOREOVER, WITH THE JERSEY GARMENTS I STROVE TO USE CURVILINEAR SEAMS THAT MIMICKED THE SHAPE OF A HOT AIR BALLOON. FUNCTIONING AS BLANK CANVASES THESE FORMS WERE THEN LAYERED WITH BASQUIAT'S WORKS INFLUENCED. BY THE "DRAWINGS OF FOUR AND FIVE YEAR OLD INFANTS" BASQUIAT IS ABLE TO ACCESS HIS INNER CHILD IN HIS WORK. IN THE SAME VEIN. "THE LITTLE PRINCE"- A CHARACTER RENOWNED FOR HIS YOUTHFUL OPEN MINDEDNESS- SERVED AS MY CHARACTER INSPIRATION.



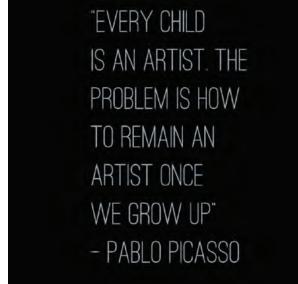




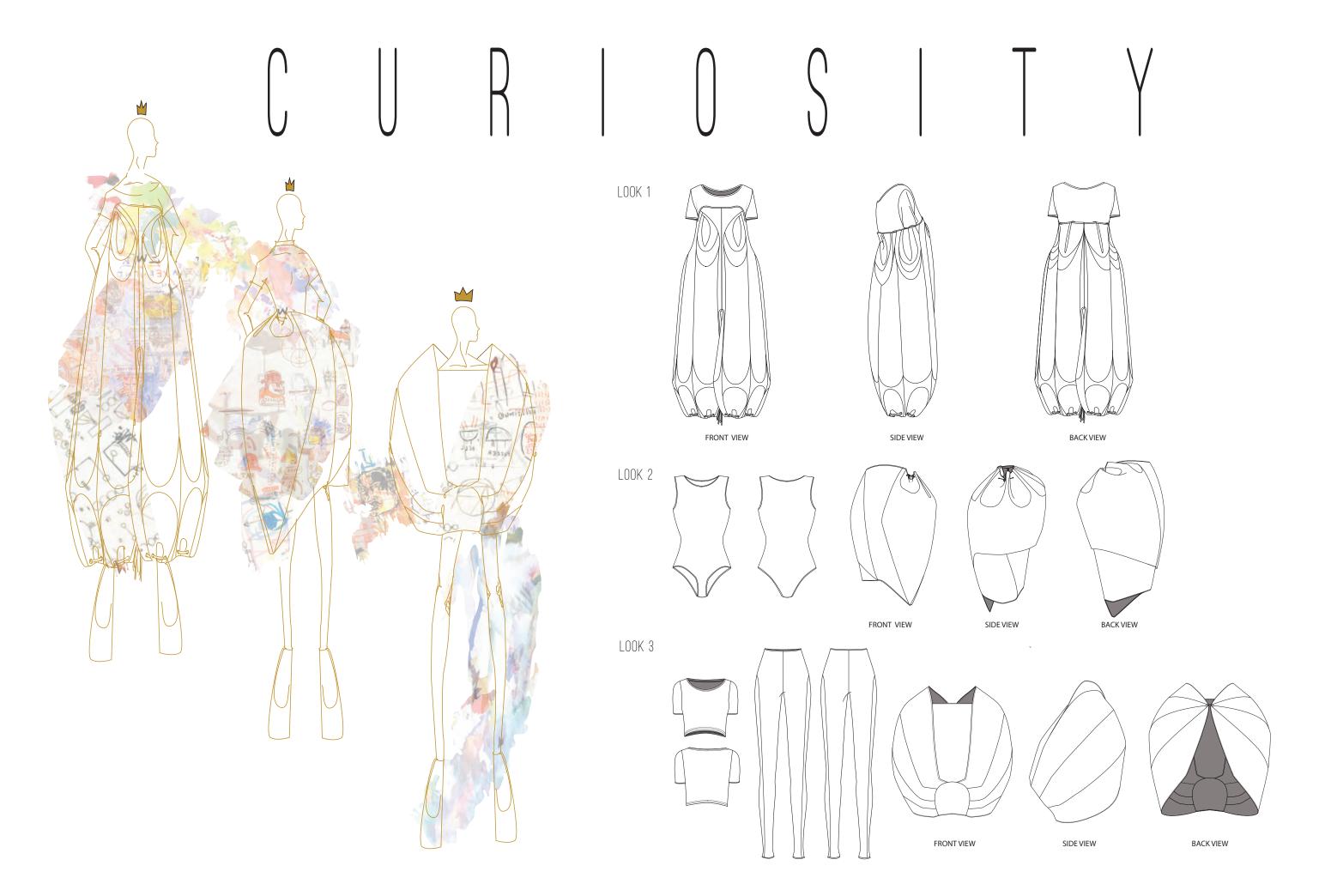


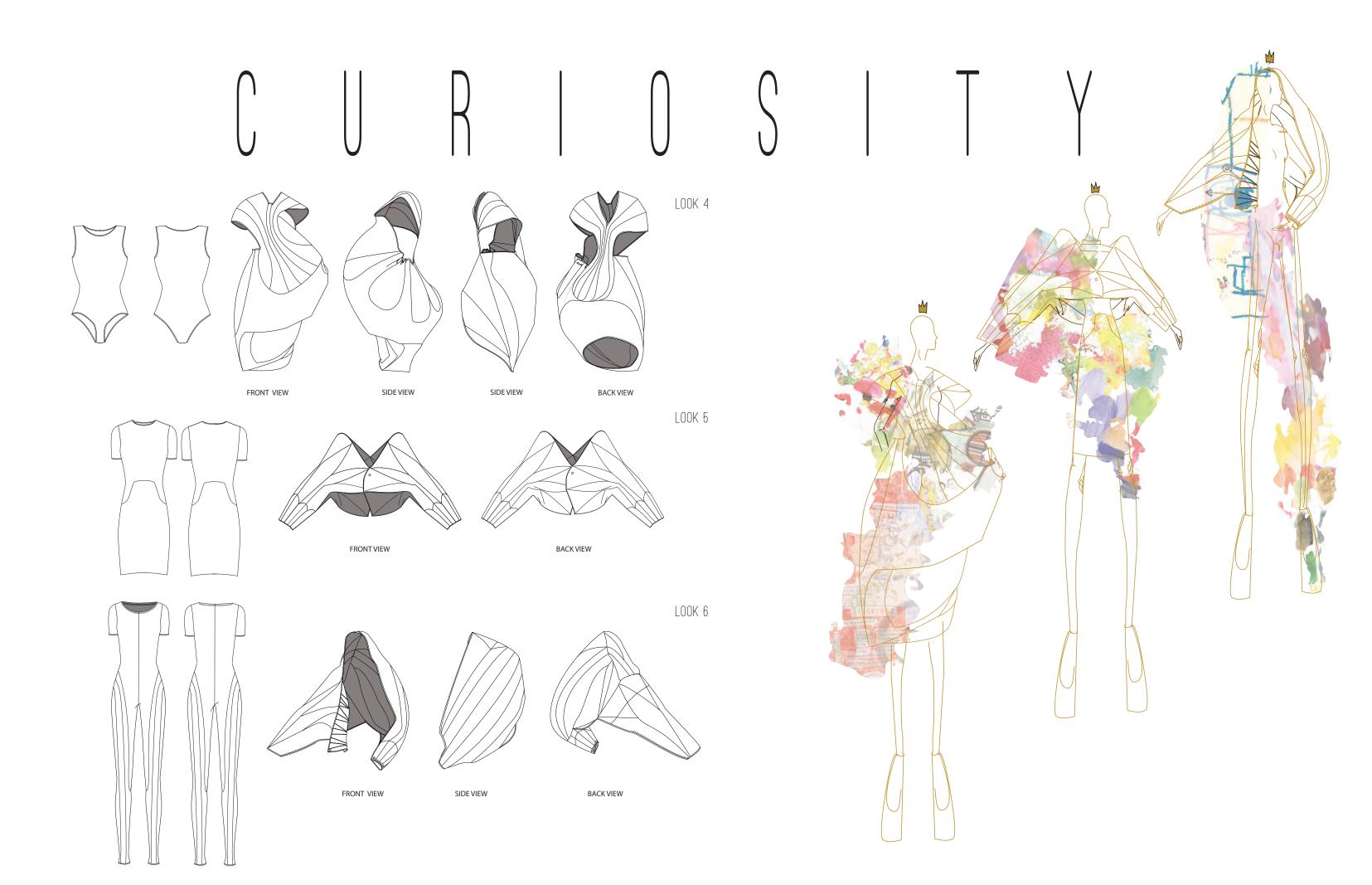


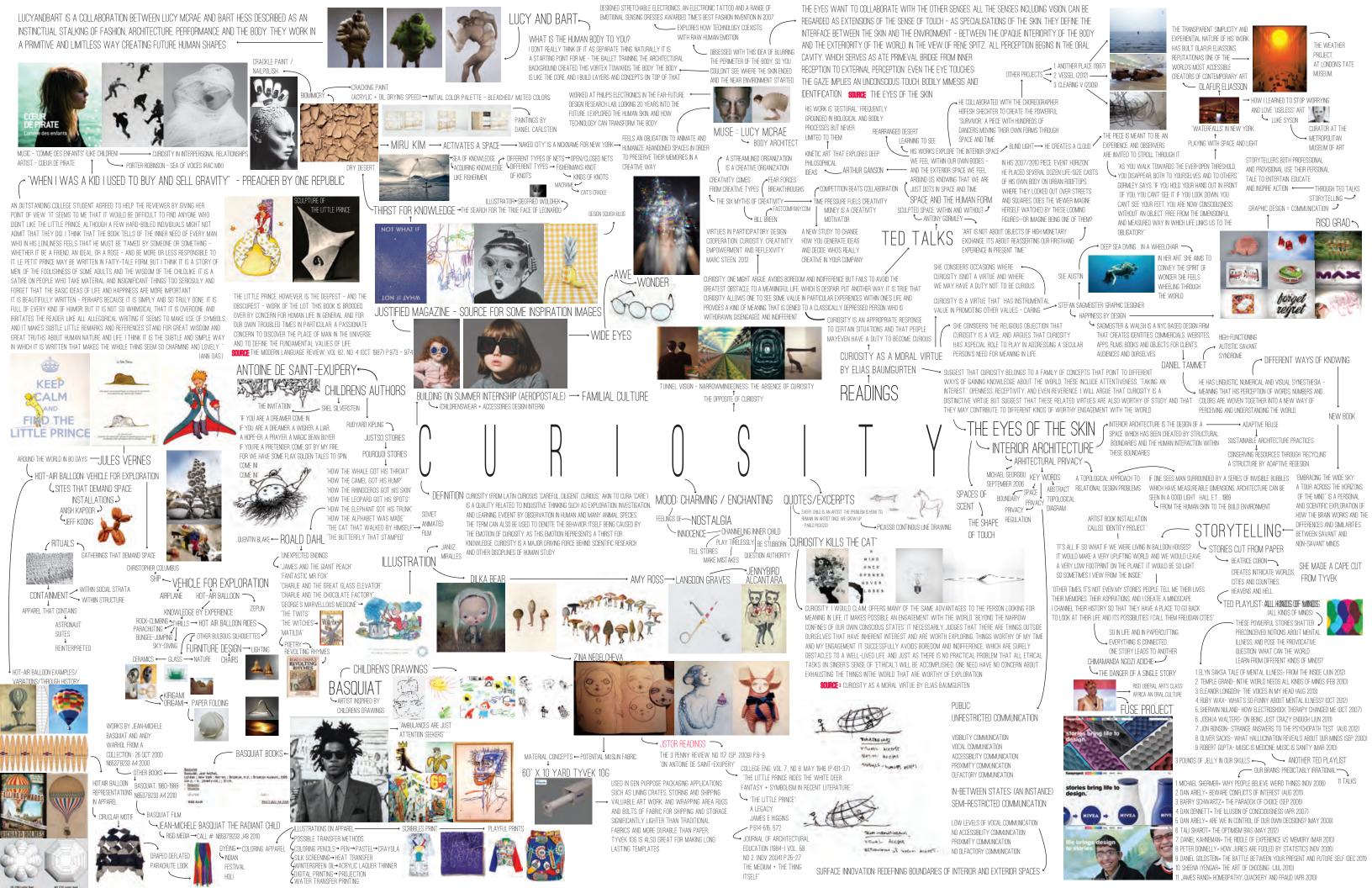












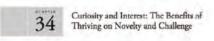
MOOD BOARD



WARM-UP SKETCHES



THESE SKETCHES HELPED INFORM THE SILHOUETTE I WAS CONSTRUCTING. THEY SERVED AS GUIDELINES TO REALIZE A MORE UNPREDICTABLE FORM.

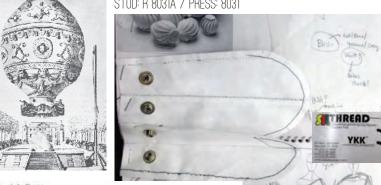


FURTHER SUPPORTING RESEARCH

VARIETY OF TYVEK MATERIAL SAMPLES

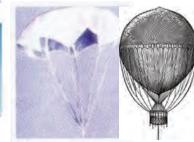


TOP AND BOTTOM SNAP MACHINE PARTS STUD: R 8031A / PRESS: 8031



Hot air balloon

HTTP://EN.WIKIPEDIA.ORG/WIKI/HOT_AIR_BALLOON



MATERIALS + CONSTRUCTION BOARD



FIRST ATTEMPT AT CREATING STRUCTURE

REED AS THE PANELS WERE BEING SEWN

Material

INVOLVED THE HEMMING FOOT AND INSERTING

PULLED VISUAL ELEMENT OF HOT-AIR BALLONS FROM THIS NOVEL



WEIGHT SERGER



JERSEY FABRIC ASSORTMENT

VELCRO

CLOSURE OPTIONS VARIED FROM VELCRO, MAGNETIC +

MANUAL SNAPS, TWINE, AND

LA SIRENE

PARACHUTE CORD.

THE SECOND ATTAMPT INVOLVED SERGING THE PANELS TOGETHER WITH THE LIGHT-





SUPPORTING INSPIRATION + MOOD RESEARCH

I DID EXTENSIVE RESEARCH ON THE HISTORY OF HOT-AIR BALLOONS, THE SEAMS USED TO CONSTRUCT HOT-AIR BALLOONS, HOT-AIR BALLOON EVENTS, THE FILM AND NOVEL OF "AROUND THE WORLD IN 80 DAYS," AS WELL AS PARACHUTING AND THE BALLOON FORMS THAT TRANSPIRED FROM THIS THRILL-SEEKING SPORT





HTTP://WWW.BRISBANEHOTAIRBALLOONING.COM.AU/FAQS/BALLOONINGHISTORY.HTML



HTTP://WWW.HOTAIRBALLOON.COM

One of the great mysteries in life is how to properly sew a hot air balloon together. OK, maybe it's one of the more exister's mysteries, but shodily hot air balloon construction workmanship is an epidemic widespread enough that the decided it's time to write a studied in some of the proper methods and techniques to use in order to get the best results when sewing together a hot air balloon.

The double-needle French Feil seam, folded feil seam, feiled seam, folded seam, fiat feil (a misnomer) - whatever you want to call it, is technically known as Federal Seam Type LSc-2. Each thread sith) open strough four layers of material if the seam is properly folded. This diginar shows sent thread sith opassing through only three layers, which is just fine, as long as the fold with decent vary which or begin to come unfolded. The ultrante goal of a folded feil seam is to

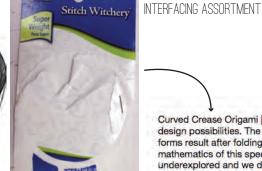




HTTP://WWW.APEXBALLOONS.COM/TIPS/

WHITE / CREAM / IVORY COLORED WOVEN FABRICS **ASSORTMENT**

design possibilities. The challenge is to understand what 3D forms result after folding a set of curved creases. The mathematics of this special kind of geometry has been relatively underexplored and we don't have proper descriptions of these curves. Most materials in architecture come as sheet goods and this research proposes a family of curved 3D geometries that can be fabricated from 2D sheet materials, by way of curved



Curved Crease Origami | Curved creases offer a wealth of new

Erik and martin demain

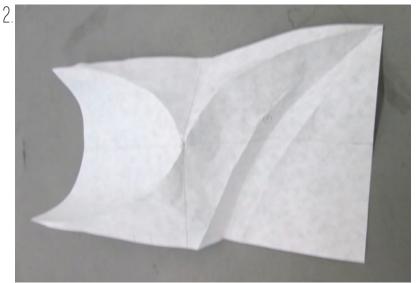
AT THIS STAGE, MY FOCUS HAD SWITCHED TOWARDS THE SHAPE OF HOT-AIR BALLOON SHAPES AND FORMS. I WAS ALSO FURTHER INSPIRED BY THE CONSTRUCTION OF THE BALLOON PANELS AS WELL AS THE USE OF ROPE TO PROVIDE THE NECESSARY TENSION FOR LIFTOFF AND NAVIGATION.

PAPER MUSLINS

I TRIED A VARIETY OF SHAPES AND FOMS INSPIRED BY THE SILHOUETTE AND CONSTRUCTION OF A HOT-AIR BALLOON. I USED MAGIC TAPE AND THE APPAREL RULERS TO ACHIEVE THE LARGE DIMENSIONS AND DESIRED CURVILINEAR SHAPE ON PAPER BEFORE FULLY REALIZING THE PRODUCT SILHOUETTE ON THE SIZE 8 FORM.

- 1. POTENTIAL UPPER BODY STRUCTURE
- 2. BEGINNING STAGE OF HOT-AIR BALLOON TOP CONSTRUCTION
- 3. INITIAL JACKET PANEL LAID OUT
- 4. JACKET PANELS ATTACHED. SMALL SCALE AND LARGE SCALE.
- 5 + 6. CURVED FOLDING SAMPLES
- 7. SKIRT PATTERN LAID OUT
- 8. SIDE AND TOP VIEW OF SAMPLE FOR THE BOTTOM PART OF PANT LEG.
- 9. PAPER SAMPLE INSPIRED BY THE CURVED CREASE SCULPTURE OF ERIK + MARTIN DEMAINE
- 10. INITIAL BODYSUIT FORM



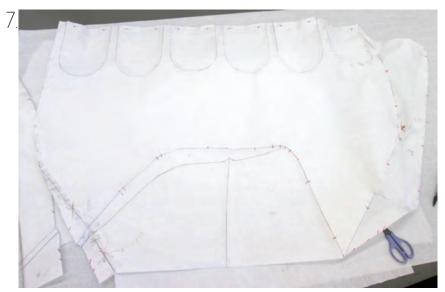




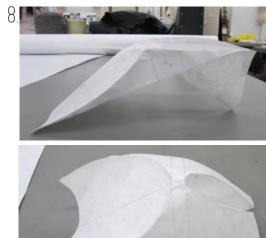




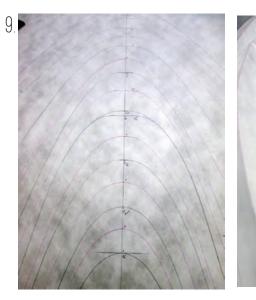




THE SKIRT CONSTRUCTION DIFFERED FROM THE OTHER TWO GARMENTS AS IT INVOLVED PLACING THE PAPER ON THE FORM AND THEN SHAPING IT AROUND UNTIL A SATISYING LOOK EMERGED. I THEN REMOVED THE FINALIZED PAPER STRUCTURE AND TOOK IT APART SO THAT I COULD PROCEED TO DRAFT AND PATTERN.



WHILE EXPLORING WHAT SHAPES ARE POSSIBLE IN THE GENRE OF SELF-FOLDING ORIGAMI I PRODUCED A SAMPLE THAT SERVED AS THE BOTTOM STRUCTURE OF MY PANT LEG.



I CAME ACROSS THE WORK OF ERIK AND MARTIN DEMAINE AND USED THATIN MY SECOND ATTEMPT FOR A PANTS LEG. I DID GET A PANTS LEG, BUT FELT IT WAS TOO REGUALTED AND PREDICTABLE.







MY THIRD ATTEMPT WAS THE MOST SUCCESSFUL PANT LEG AND SO I USED THESE PANEL PATTERNS AS A JUMPING BOARD TO REACH A MORE RESOLVED DESIGN. I HAD PLANNED TO MAKE THIS BODYSUIT LEAD INTO THE JERSEY SWEETHEART TOP THROUGH THE USE OF DARTS. HOWEVER AFTER NUMEROUS DESIGN REVISIONS THE DARTS WERE COMPLETELY ELIMINATED AND REPLACED WITH SNAP CLOSURES.

BALLOON PAPER MUSLIN



THIS IS THE PAPER SKIRT CONSTRUCTION PROCESS. THERE WERE DIFFICULTIES MAKING THE WAIST FIT SNUGLY, HOWEVER AFTER CONSTANT REVISIONS THE PATTERN FITTED SMOOTHLY AROUND THE WAIST. I THEN REMADE IT IN TYVEK MATERIAL.

BALLOON BODYSUIT, DRESS, AND HOODIE

1. HOODIE - USED 1/2 OF THE PATTERN FROM JACKET AS A JUMPING BOARD AND TO ASSURE SENSE OF CONTINUITY WITHIN COLLECTION.

2. DRESS - INTIAL FORM HAD AN UPPER SHOULDER THAT CONFLICTED WITH THE BOTTOM HALF.

3. TOP - CONSIDERED NOT ATTACHING MIDDLE PANEL

4. BODYSUIT - PANELS CONSISTED OF AN ABAB RHYTHM







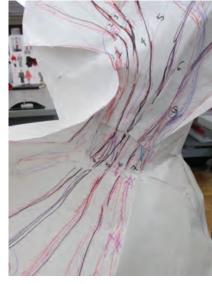
































DECONSTRUCTION



EVERY CURVED FOLD BECAME A SEAM AND WAS SUBSEQUENTLY DRAWN ON WITH PERMANENT MARKER.



ANY CURVED FOLDS THAT WERE TOO COMPLICATED OR THAT WERE GATHERING THIS STAGE REQUIRED THE FORM TO BE AT VARYING HEIGHTS IN ORDER TO AT ANY ONE POINT WERE SIMPLIFIED AND MADE INTO A SINGLE PIECE.



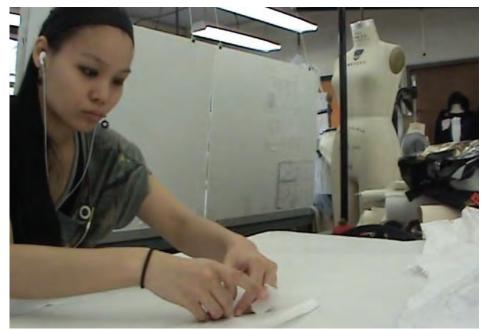
ACCESS OTHER AREAS BETTER.



THE UPPER PART OF THE DRESS WAS LEFT TILL LAST BECAUSE IT WAS THE MOST CONVOLUTED AND UNRESEOLVED PART.



TO BETTER SHAPE THE PATTERNS INTO A MORE FLUID FORM, I HAD TO CUT THEM FROM THE FORM THAT I HAD STAPLED/TAPED/PINNED THE PAPER TO.



THESE WERE THEN TAPED DOWN AND REDRAWN WITH SMOOTHER LESS PROBLEMATIC CURVES



THESE PATTERNS WERE THEN TRANSFERRED ONTO TYVEK MATERIAL AND RESEWN TO ENSURE THE REVISED PATTERNS FITTED WELL. ANY UNANTICIPATED BUMPS MEANT REDOING THE ENTIRE PROCESS AGAIN.

METHODS TO CREATE STRUCTURES



SEWING ORGANZA WITH AN INVISIBLE ZIPPER FOOT.



SEWING ORGANZA WITH A HEMMING FOOT WITH REED INSERTED AFTERWARDS. IT WAS CHALLENGING SEWING ORGANZA WITH A HEMMING FOOT AND THERE WERE MANY MISTAKES BEFORE I WAS ABLE TO MAKE A DECENT SAMPLE.



CLOSE UP OF SUCCESSFUL REED AND HEMMING FOOT COMBINATION



CLOSE UP OF SUCCESSFUL REED AND HEMMING FOOT COMBINATION



I SETTLED ON THIS MATERIAL COMBINATION OF STITCHWITCHERY AND POLYORGANZA. HOWEVER WHEN I PURCHASED SIMILAR FABRICS THE RESULTING OUTSOME WAS NOT SO STIFF.
SO I CONTINUED EXPERIEMENTING WITH STITCHWITCHERY AND WOVEN FABRICS UNTIL I REACHED A SATISYING FABRIC SOLUTION. SILK ORGANZA SILK ORGANDY AND STITCHWITHCERY SANDWICHED IN BETWEEN.

MATERIAL CONVERSATION



FIRST BATCH OF MATERIAL COMBINATIONS UNTIL I WAS CONTENT WITH FABRIC STIFFNESS OF THE BLUE FABRIC IN THE ABOVE PHOTO.



VARIETY OF ROPES, CORDS, TWINE, YARN

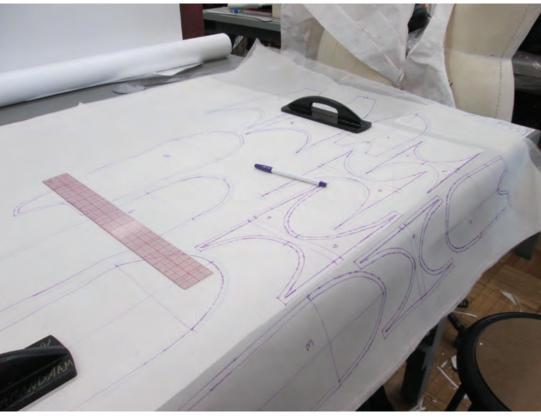


SECOND BATCH OF MATERIAL COMBINATIONS WITH STITCHWITCHERY BEFORE I REACHED A FABRIC COMBINATION WITH THE DESIRED STIFFNESS SIMILAR TO THAT OF THE BLUE FABRIC.

MAKING FINAL GARMENTS



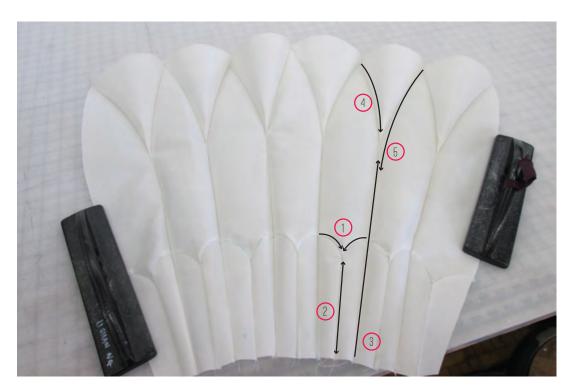
DECONSTRUCTED TYVEK GARMENTS. THESE WERE REVISED ON THE FORM AFTER CRIT. THE NEWLY MADE PATTERN PIECES WERE CUT OUT AND LAID FLAT FOR PATTERNMAKING.



PATTERNS READY TO BE CUT OUT IN FINAL FABRIC



THESE ARE THE TWO MAJOR PARTS OF THE BOTTOM HALF OF THE DRESS. THEY ARE READY TO BE ATTACHED TO EACH OTHER.



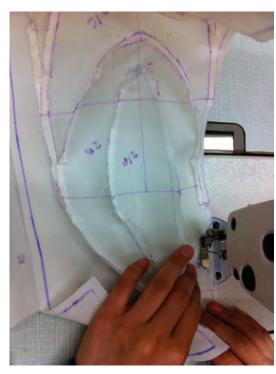
SEWING PANELS TOGETHER



INITIALLY USED THE COVERSTITCH FOR THE JERSEY
GARMENTSBUT SWITCHED TO USING SELF FABRIC WITH
THE SERGER TO COMPLIMENT BOUND FINISHING OF
STRUCTURAL GARMENTS.



4 PANELS OF THE BODYSUIT. "LOOK 1" CONSISTS OF THE MOST FABRIC



I DREW LINES WITH DRITZ WATER SOLUBLE PEN TO MAKE SURE I WAS HITTING ALL THE RIGHT POINTS.

MAKING FINAL GARMENTS



SEWING TOP AND BOTTOM HALF WAS LEFT UNTIL THE VERY END DUE TO BINDING HEM ISSUES AT THE WAIST



SIDE VIEW OF FULLY CONSTRUCTED DRESS.



SKIRT.



SIDE VIEW OF FULLY CONSTRUCTED SIDE VIEW OF FULLY CONSTRUCTED TOP.



THE GARMENTS WERE CONSTANTLY COVERED IN PLASTIC TO PRESERVE CLEANLINESS



FULL VIEW OF HOT AIR BALLOON JACKET



FULL VIEW OF HOT AIR BALLOON HOODIE



USING DOUBLE FOLD BIAS TAPE (OYSTER COLOR) FOR THE INTERIOR OF EACH GARMENT



USING 1/2 INCH SELF FABRIC TO FINISH THE HEMS OF THE GARMENTS

FITTINGS

LOOK A - ANNA SKOPENKO



TYVEK MUSLIN FITTING



FRONT VIEW



SIDE VIEW



BACK VIEW

DIFFICULTIES.

- 1ST FORM I USED WAS A SIZE 10 CHILDRENS SIZE AS THE OTHER FORMS WERE BEING USED FOR THE APPAREL WOODSGERRY SHOW
- I HAD TO LENGTHEN EVERY PANEL 6" AND MADE SURE THE CHEST AREA WAS
- INITIALLY I DECIDED ON STRAPS TO HOLD THE BODYSUIT UP BUT THEN REALIZED IT WAS THE ONLY ONE THAT DIDNT HAVE AN ACCOMPANYING JERSEY
- REALIZING THAT, I CHOOSE TO MAKE AN UNDERLYING LEOTARD, THE LEOTARD WAS THEN HANDSTITCHED ONTO THE BODYSUIT.



FINAL FABRIC FITTING





LOOK F - ELENA BARRE



INITIAL BODYSUIT



SIDE VIEW



FULL-LENGTH BODYSUIT WITH HOT-AIR BALLOON HOODIE.



THE COLLAR NEEDED TO BE PRESSED AND ROLLED INTO SHAPE, AND THEN HELD IN PLACE WITH A SNAP.



SIDE VIEW



BACK VIEW THE RIPPLES ARE INTENTIONAL. THIS LOOK SHOWS THE HIGHEST HEIGHT OF THE BALLOON AS WELL AS INDICATES ITS DEFLATION: AND SO THE BEGINNING OF ANOTHER LIFE CYCLE.

TRANSFER PROCESS



PRIOR TRANSFER METHODS INCLUDED PEN, CRAYON, COLORING PENCILS, AND MARKERS WITH THE USE OF A LIGHTBOX.

OTHER CONSIDERATIONS WERE PROJECTIONS, SILKSCREENING, AND DIGITAL EMBROIDERY



PRIOR TRANSFER METHODS INCLUDED PEN, CRAYON, COLORING TRIAL FINAL FABRIC PIECE - LAQUER THINNER APPLIED TO HP PRINTED SHEET FILLED WITH BASQUIAT'S WORK.



- MASK AND SOLVENT RESISTANT GLOVES WERE NECESSARY.

-ALL THE WINDOWS WERE KEPT OPEN TO VENTILATE THE ROOM.

FALL SEMESTER = 1 CAN OF THINNER + 1 CAN OF SPRAY ADHESIVE

SPING SEMESTER = 2 1/2 CANS OF THINNER + 1 CAN OF SPRAY ADHESIVE

INSTRUCTIONS FOR TRANSFERRING:

- 1. THE CHOSEN PRINTS HAD TO BE FLIPPED VERTICALLY ON ILLUSTRATOR TO ENSURE THEY WERE TRANSFERRED WITH THE CORRECT ORIENTATION. THIS WAS NECESSARY AS SOME OF BASQUIAT'S WORK HAD VERBAGE
- 2. PLACE PRINTED HP SHEET FACE DOWN.
- 3. APPLY THE THINNER WITH A BRUSH.
- 4. RUB CAREFULLY WITH A FLAT OBJECT.



JACKET PANELS PARTIALLY COVERED. I APPLIED THE PRINTS CAUTIOUSLY AS I HAD NOT FULLY DECIDED WHETHER OR NOT IWANTED AN ALL OVER OR LOCALIZED PRINT ARRANGEMENT. HOWEVER THE TRANSFER PRINT TURNED OUT TO BE MORE SUCCESSFUL THAN ANTICIPATED AND SO I DECIDED ON AN ALL-OVER PRINT.

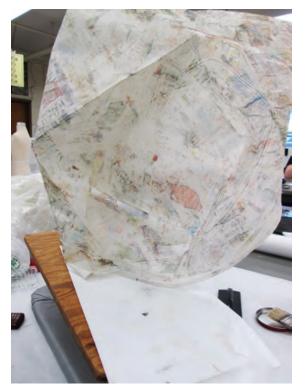


TO APPLY THINNER TO TOP I HAD TO INVERT IT AND AT TIMES HAD TO ATTACH IT TO A MINIFORM THE KEEPIT AN ANGLE THAT ALLOWED ME TO APPLY THINNER AT PROBLEM AREAS (IE. CENTER FRONT MINI PANEL)



CLOSE-UP IMAGE OF SKIRT CLOSURE AFTER PRINT APPLICATION.

TRANSFER PROCESS



DRESS IS PINNED ONTO THE MINIFORM AND THEN THE E WOODEN PART OF THE MINI IRONING BOARD IS USED AS A HARD SURFACE TO RUB THE PRINT AGAINST.



DRESS IS PINNED ONTO THE MINIFORM AND THEN THE BOTTOM BODYSUIT IN THE PROCESS OF HAVING THE PRINT APPLIED





TOP PHOTO: SIDE VIEW OF DRESS ON MINI IRONING BOARD BOTTOM PHOTO: PILE OF USED PRINT SHEETS



CLOSE UP OF WATERCOLOR PRINT ON BODYSUIT.



SIDE VIEW OF FULLY COVERED DRESS.



5 LOOKS IRONED AND READY TO BE WORN.



BRITTANY IS WEARING A STRUCTURED TOP WITH A CROP TOP AND JERSEY LEGGINGS.



KIERA IS WEARING A JERSEY LEOTARD AND A STRUCTURED SKIRT ELENA IS WEARING A JERSEY BODYSUIT WITH A STRUCTURED HOODIE.



HOODIE AND JACKET LOOKS READY FOR PHOTOSHOOT

TREATING SHOES



STARTING MATERIALS: PROCION MX DYE, PAINT BRUSHES, SPRAY BOTTLE, BOWL FOR WATER, PAINT PALETTE, CONTAINERS.

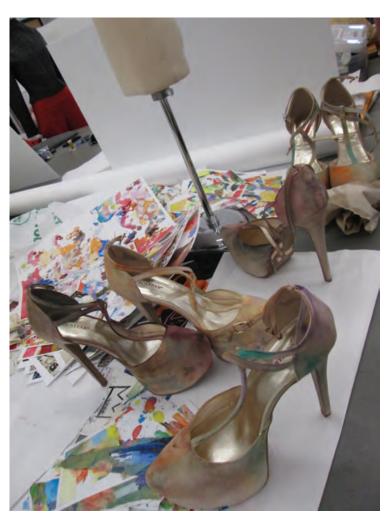


THE OUTCOME AFTER THROWING DYE ONTO THE SHOES.

THE COLORS WERE VIBRANT AT FIRST BUT FADED EACH TIME WHEN THEY WERE DONE DRYING.



DRIPPING WATERCOLOR PAINT WAS SUCESSFUL AS WELL BUT WERE TOO COLORFUL AND VIBRANT. THEY STOLE THE ATTENTION AWAY FROM THE GARMENTS. I DID THIS TWICE, FIRST WITH LIGHTER TONES. AND THEN WITH LARGER STROKES AND BOLDER COLORS.



AFTER REWASHING THE SHOES A THIRD TIME TO MUTE THE COLORS.
I APPLIED THE SAME TRANSFER PROCESS AS I HAD WITH THE JERSEY GARMENTS.



THE FINAL PRODUCT WAS MORE SUCCESSFUL THAN I HAD EXPECTED IT TO BE.

SENIOR THESIS COLLECTION

