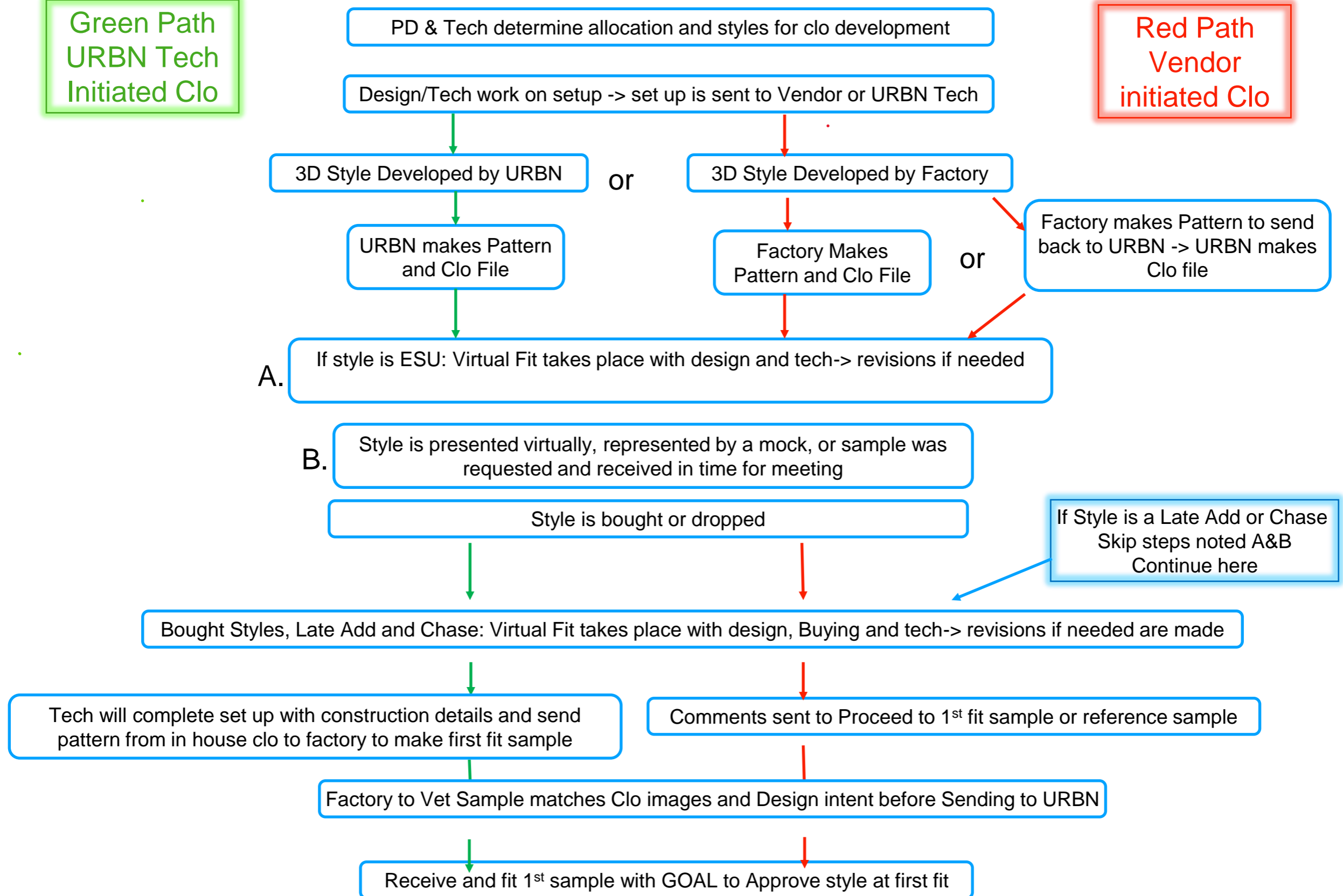# Vendor Clo3D Process

URBN - Production & Sourcing Dept.
May 2022

# 3D Development Process Overview

Green Path
URBN Tech
Initiated Clo
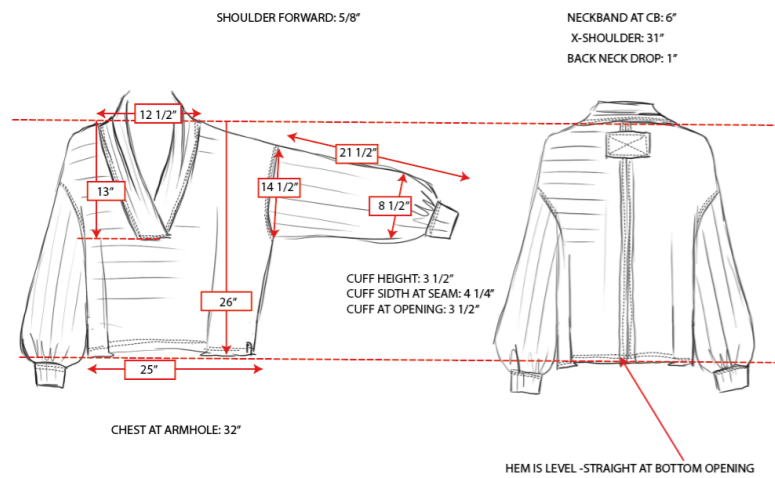
Red Path
Vendor
initiated Clo

PD & Tech determine allocation and styles for clo development

Design/Tech work on setup -> set up is sent to Vendor or URBN Tech

3D Style Developed by URBN

or

3D Style Developed by Factory

URBN makes Pattern and Clo File

Factory Makes Pattern and Clo File

or

Factory makes Pattern to send back to URBN -> URBN makes Clo file

A. If style is ESU: Virtual Fit takes place with design and tech-> revisions if needed

B. Style is presented virtually, represented by a mock, or sample was requested and received in time for meeting

Style is bought or dropped

If Style is a Late Add or Chase Skip steps noted A&B Continue here

Bought Styles, Late Add and Chase: Virtual Fit takes place with design, Buying and tech-> revisions if needed are made

Tech will complete set up with construction details and send pattern from in house clo to factory to make first fit sample

Comments sent to Proceed to 1st fit sample or reference sample

Factory to Vet Sample matches Clo images and Design intent before Sending to URBN

Receive and fit 1st sample with GOAL to Approve style at first fit

# Factory to develop Clo File
# Set Up to Vendor will Include:

**SKETCH, IMAGE OF MOCK, AND/OR INSPIRATION TEAR**

**SPEC/MEASUREMENT PAGE** -> find on set up page in trade stone or if not there on POM page

SHOULDER FORWARD: 5/8"

NECKBAND AT CB: 6"
X-SHOULDER: 31"
BACK NECK DROP: 1"

12 1/2"

21 1/2"

13"

14 1/2"

8 1/2"

CUFF HEIGHT: 3 1/2"
CUFF SIDTH AT SEAM: 4 1/4"
CUFF AT OPENING: 3 1/2"

26"

25"

CHEST AT ARMHOLE: 32"

HEM IS LEVEL -STRAIGHT AT BOTTOM OPENING

**CONSTRUCTION/DETAIL PAGE** -> find on set up page in trade stone

CLEAN FINISH INTERIOR WB, BINDING AT ZIPPER EDGE

1 3/4" HOLLYWOOD WB

2 SEAM LINES WITH EDGE STITCH AT PKT FLAP

BELT LOOPS - 5/8" X 2 1/4"

EDGE STITCH AT EACH SIDE, ADDITIONAL STITCH DOWN CENTER OF BELT LOOP, 2 BARTACKS AT BTM OF WB

TOP OF CARGO PKT FLAP IS SEAMED IN AT TOP OF WB

PLEATS ON PKT PER INSPO IMAGE

HIDDEN SNAP AT PKT

1" BELLOW AROUND PKT BAG

ENCASED ELASTIC AT BACK WB, 1/4" STITCH AT TOP AND BOTTOM, DN THROUGH CENTER

PKT IS SMALLER THAN BELLOW PLACEMENT

3/4" TURNBACK WITH DNTS

2 1/2" INSEAM

**TRIM INFO** -> find on BOM page in trade stone

**FABRIC ZFAB FILE**
 -> find fabric info in trade stone -> find zfab file in Brand fabric room in clo-set
**if not available call out a sub is used**

K45223 PALMA CHEVRON YD clo.zfab

I42079 GRANDPA FLANNE L clo.zfab

W45283 Melody Tonal Knit Velvet clo.zfab

**PRINT FILE** -> Print Team should send as TIFF or JPEG

**DXF PATTERN FILE IF BLOCK OR STARTER PATTERN IS SUGGESTED**
-> find in pattern tab in trade stone

Digital Pattern.dxf
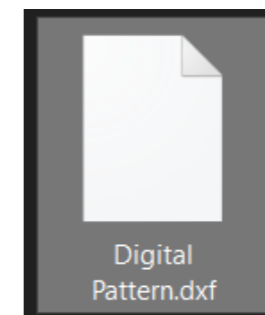
# URBN In-house developed Clo
# Set Up to Factory will Include

**FRONT/SIDE/BACK IMAGES OF STYLE**

**CONSTRUCTION PAGE** -> find on set up page in trade stone

**PRINT FILE** -> Print Team will send as TIFF or JPEG

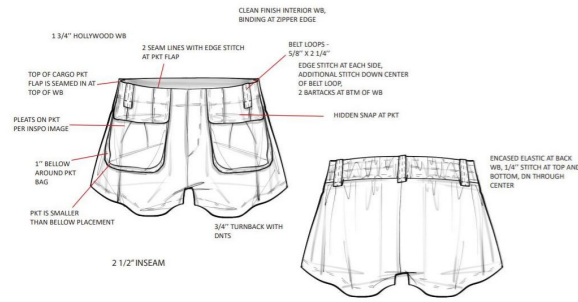**TRIM INFO** -> find on BOM page in trade stone
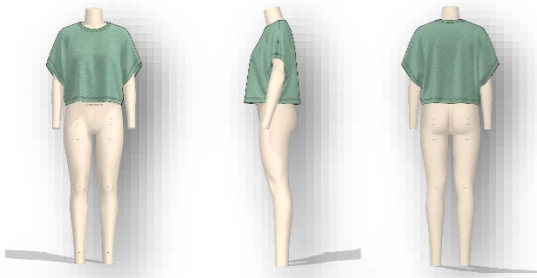
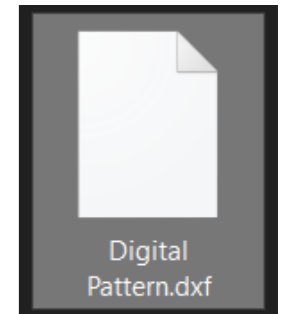**SCREEN SHOT OF PATTERN PIECES FOR VISUAL CHECK TO ENSURE PATTERN OPENS PROPERLY AND THAT ALL PIECES ARE RECEIVED**
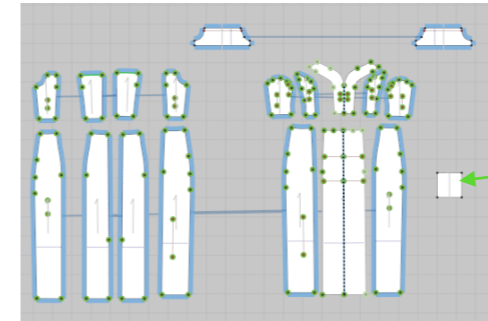
PATTERNS SHOULD HAVE A 5" X 5" SQUARE TO ENSURE PATTERN OPENS CORRECT SCALE

**DXF PATTERN FILE FOR IN- HOULSE DEVELOPED CLO**
-> find in pattern tab in trade stone

Digital Pattern.dxf

**BASIC PATTERN MEASURMENTS**
TO ENSURE PATTERN OPENS PROPER SIZE/SCALE

***URBN SENDS FACTORY PATTERN WITH NO SEAM ALLOWANCE AND NO SHRINKAGE SO IT SHOULD REFLECT THE FIT/SIZE WE WANT

***FACTORY MUST ADJUST FOR SHRINKAGE AND/OR STRETCH OF FABRIC

DXF pattern file exported from Clo
Patterns will usually not include bindings, bias strips, lining pieces or pocket bags
Factory should follow construction page to make any additional pieces needed

# In-House Developed Printed Styles will Include

Tech will send Front Side Back clo images along with print layout for easy reference to follow for first fit sample

*Print review*
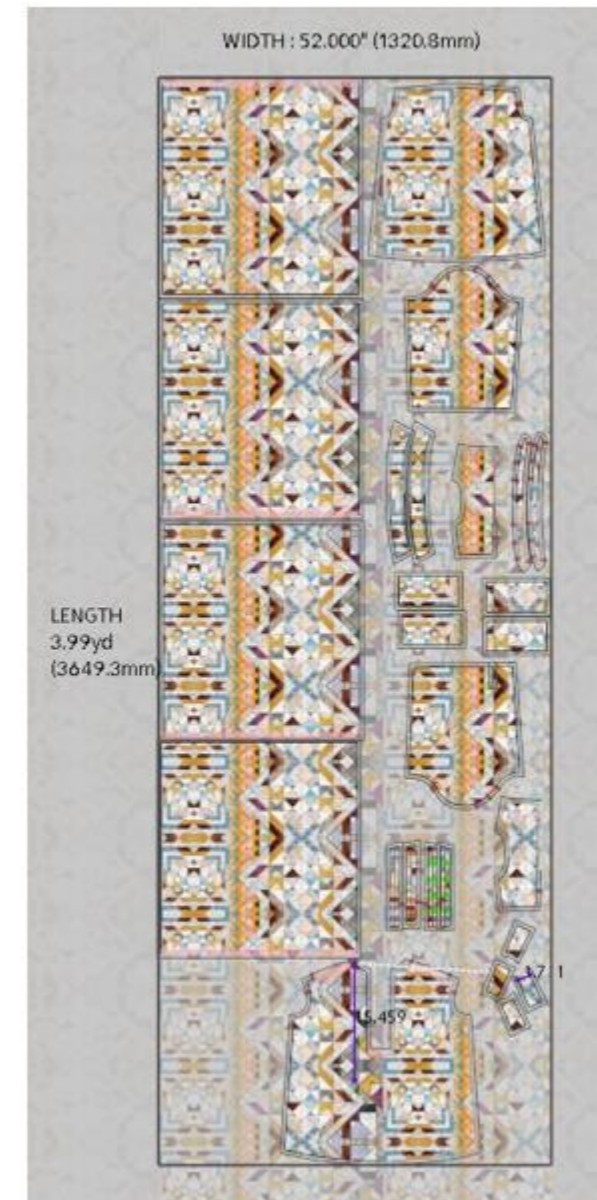
LINK TO CLO FILE IN CLO-SET VENDOR WORKROOM   -   EACH VENDOR WILL HAVE THEIR OWN WORKROOM TO UPLOAD FILES TO SHARE BACK TO URBN – PROVIDE USER'S EMAIL ADRESS FOR ACCESS

INCLUDE BASIC PATTERN MEASURENTS IN FILE WHEN DIFFERENT THAN WHAT TECH REQUESTED
   MINIMALLY INCLUDE LENGTH, CHEST, WAIST, SWEEP, SLV LENGTH, LEG OPENING
   This should be sent to Tech via email as some of our techs only see style in clo-set

FRONT/SIDE/BACK IMAGES OF STYLE IF REQUESTED BY TECH
     this should be for request only – images can be rendered as jpeg, 200 dpi, letter size



ENSURE GARMENT IS SITTING PROPERLY ON AVATAR
   no hiking, no dipping, symmetrical left to right, hanging straight and balanced.
   This will make fitting styles in clo-set easier for our techs that do not open Clo
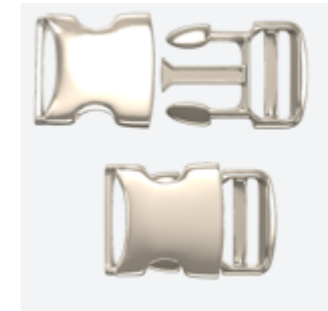   This also will ensure we are able to assess the fit properly

APPLY CORRECT TESTED FABRIC- ***always call out if a sub fabric is used  - see page 7 for URBN Tested fabric room links in Clo-Set

ENSURE UO6 CLO AVATAR is used for all clo files sent back to URBN
     This will make virtual fitting accurate to our fit standard and live models.   - see pages 8 & 9 for links to correct size and shape clo avatars

Link to our pre-made trims

https://style.clo-set.com/season/24355

| HardWare | Wash Distressing | Labels | Soft Trims | Embroidery | Smocking |

Link to our tested fabrics:  ZFAB files

https://style.clo-set.com/brand/11303

FABRIC TEAM

| Clo Sphere Temp… | UO | Free People | Anthro |

K30643 - BUFFY RIB.zfab
Kelsey Hughes

s10190 Sienna Gauze.zfab
Kelsey Hughes

I45725 Gardenia Lace close
t.zfab

S33481 The Perfect Indigo D
ouf…t.zfab

K45798 STELLAR CHEVRO
N SEQUIN closet.zfab

K45808 All For It Dot Mesh c
loset.zfab

F44313 BOUDOIR LACE.zfa

F44910 KACEY LACEY LAC

F45765 BETSEY BOW MES

M34797-GT PEACHED - PE

I41140 LULA LINEAR LACE .

F30410 COTTON SEXY RIB.

URBAN·
OUTFITTERS

S-P   Made in China / Fabriqué en

free people

Maeve
ANTHROPOLOGIE

## Use URBN Clo Avatar for fit accuracy
### Clo-Set Link below

https://style.clo-set.com/content/b3827dcc814c4d87923cddf73eda67e2

Avatar is Same for all 3 Brands - Sizing per Brand as below

Urban Outfitters:   medium or 6
Free People:        small or 6
Anthropologie:      small or 6

UO6.2
Alva

Identifying tattoo

UO6.2 clo avatar
Matches our URBN
Fit standard Alvanon form

Tick marks match our
Alva form for placement

| Standard Measurements | Client | Alva |
|---|---|---|
| Neck Base | 14 1/4 | ✓ |
| Across Shoulder | 15 1/2 | ✓ |
| Shoulder Drop | 1 7/8 | ✓ |
| Across Front | 13 | ✓ |
| CFneck To Across Front | 3 | ✓ |
| Across Back | 14 1/4 | ✓ |
| CBneck To Across Back | 5 3/8 | ✓ |
| Chest | - | - |
| ·Chest Height | - | - |
| Under Pecs | - | - |
| Bust | 36 | ✓ |
| ·Bust Height | 48 1/2 | ✓ |
| Under Bust | 31 1/2 | ✓ |
| ·Under Bust Height | 45 7/8 | ✓ |
| Apex To Apex | 7 3/4 | ✓ |
| Halter | 27 1/4 | ✓ |
| HPSto Apex | 10 7/8 | ✓ |
| Waist | 28 | ✓ |
| ·Waist Height | 42 1/8 | ✓ |
| CFneck To Waist | 14 1/4 | ✓ |
| CBneck To Waist | 15 7/8 | ✓ |
| High Hip | 34 1/2 | ✓ |
| ·High Hip Height | 37 3/4 | ✓ |
| Waist To High Hip | 4 | ✓ |
| Low Hip | 38 | ✓ |
| ·Low Hip Height | 33 7/8 | ✓ |
| Waist To Low Hip | 8 | ✓ |
| Inseam | 30 3/8 | ✓ |
| Total Rise | 27 3/4 | ✓ |
| Thigh | 22 | ✓ |
| ·Thigh Height | 29 1/4 | ✓ |
| Knee | 14 1/4 | ✓ |
| ·Knee Height | 18 1/4 | ✓ |
| Calf | 13 3/4 | ✓ |
| ·Calf Height | 12 3/4 | ✓ |
| Ankle | 9 1/4 | ✓ |
| ·Ankle Height | 2 3/4 | ✓ |
| Armhole | 16 | ✓ |
| CBneck To Wrist | 31 | ✓ |
| Arm Length | 23 1/4 | ✓ |
| Bicep | 11 | ✓ |
| Elbow | 9 7/8 | ✓ |
| Wrist | 6 1/8 | ✓ |
| Vertical Trunk | - | - |
| Arm Extension | 1 1/2 | ✓ |
| **Extra Measurements** | **Client** | **Alva** |
| Total Height | 65 3/4 | ✓ |
| ·CBNHeight | 57 5/8 | ✓ |
| Shoulder Length | 5 3/8 | ✓ |
| Mid Neck | 13 1/4 | ✓ |
| CFneck To Mid Neck | 1 1/8 | ✓ |
| CBneck To Mid Neck | 0 7/8 | ✓ |
| ·CFwaist Height | 41 3/4 | ✓ |
| ·CBwaist Height | 42 1/4 | ✓ |
| Waist To Low Low | 9 1/4 | ✓ |
| Thigh Crease | 22 3/8 | ✓ |

## Use URBN Clo Avatar for fit accuracy
### Clo-Set Link below

https://style.clo-set.com/content/763fab99e0cf4d0dafb266817a50a5ff

Avatar is for Urban Outfitters Men's
size: 38 or Medium

UOM
Size 32 M
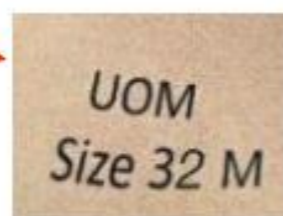
Identifying tattoo

UOM38 clo avatar
Matches our URBN
Fit standard Alvanon form

### alva FORM

**Urban Outfitters**
**- Mens - 38**
UOS-MMN038S-1109
09-May-12
Elena

| Standard Measurements | Client | Alva |
|---|---|---|
| Neck Base | 16 1/8 | ✓ |
| Across Shoulder | 17 3/4 | ✓ |
| Shoulder Drop | 2 1/4 | ✓ |
| Across Front | 15 1/8 | ✓ |
| CFneck To Across Front | 3 1/2 | ✓ |
| Across Back | 16 5/8 | ✓ |
| CBneck To Across Back | 7 | ✓ |
| Chest | 38 1/2 | ✓ |
| -Chest Height | 51 1/4 | ✓ |
| Under Pecs | 35 | ✓ |
| Bust | - | - |
| -Bust Height | - | - |
| Under Bust | - | - |
| -Under Bust Height | - | - |
| Apex To Apex | - | - |
| Halter | - | - |
| HPSto Apex | - | - |
| Waist | 32 | ✓ |
| -Waist Height | 43 3/4 | ✓ |
| CFneck To Waist | 15 7/8 | ✓ |
| CBneck To Waist | 18 3/8 | ✓ |
| High Hip | 36 | ✓ |
| -High Hip Height | 39 3/4 | ✓ |
| Waist To High Hip | 4 | ✓ |
| Low Hip | 38 | ✓ |
| -Low Hip Height | 35 3/4 | ✓ |
| Waist To Low Hip | 8 | ✓ |
| Inseam | 33 1/4 | ✓ |
| Total Rise | 27 1/8 | ✓ |
| Thigh | 22 | ✓ |
| -Thigh Height | 32 1/4 | ✓ |
| Knee | 15 1/4 | ✓ |
| -Knee Height | 20 1/4 | ✓ |
| Calf | 15 | ✓ |
| -Calf Height | 13 5/8 | ✓ |
| Ankle | 10 1/2 | ✓ |
| -Ankle Height | 2 3/4 | ✓ |
| Armhole | 18 1/2 | ✓ |
| CBneck To Wrist | 33 7/8 | ✓ |
| Arm Length | 25 1/8 | ✓ |
| Bicep | 12 3/4 | ✓ |
| Elbow | 12 | ✓ |
| Wrist | 7 | ✓ |
| Vertical Trunk | 65 5/8 | ✓ |
| Arm Extension | - | - |

| Extra Measurements | Client | Alva |
|---|---|---|
| Total Height | 71 | ✓ |
| Mid Neck | 15 1/8 | ✓ |
| Forearm | 11 | ✓ |
| Pants Waist | 33 1/2 | ✓ |
| Waist To Pants Waist Front | 1 1/2 | ✓ |
| CFneck To Mid Neck | 1 1/4 | ✓ |
| CBneck To Mid Neck | 1 | ✓ |
| Hand Length | 7 5/8 | ✓ |
| Hand Width | 4 | ✓ |
| Foot Length | 10 1/2 | ✓ |
| Foot Width | 4 | ✓ |

# Send Clo Files - Simplified

CLO FILE:  CAN BE SIMPLIFIED VERSION OF PATTERN AND TRIMS TO MINIMIZE FILE SIZE
         THIS MAKES FILE EASIER FOR OUT TECHS TO WORK WITH AND ALSO QUICKER FOR YOU TO MAKE
         UPLOAD ALL CLO FILES INTO YOUR VENDOR WORKROOM IN CLO-SET – SEND LINK TO TECH

Request for Simplified clo files:

Eliminate 2 plys in clo – cuff, placket, collars, et can be sewn up in clo single ply – Factory to make "real sample" 2 ply following construction

Prefer to receive files without pins or tacks – freeze pieces or increase friction on avatar to keep pieces in place.   This makes it easier
    for tech to make pattern adjustments.    Pins and tacks are hard to find if you do not know they are there.

Exporting TIFF files for prints to JPEG's will reduce file size – this makes for quicker upload and download time in clo-set

Do not use the "shirring" function to reduce mesh size – this seems to slow down files if tech needs to make corrections.

Do not make raw edge details.  Confirm understanding to tech where raw edges should be.  This will help to make certain styles
    a little quicker similar types of trim can be eliminated from Clo file.

Buttons can be used but we are also okay with graphic to show button placement instead of button as an object

Make sure all symmetrical pieces are unfolded with symmetrical sewing.

Increase topstitch tex to 150-200 with SPI of 7-10.   this is so top stitch details will show up for tech/design virtual fitting

Styles should be simulated in particle distance 5 for best look/drape of fabric.

Please try to keep mesh type as triangle.   Quad mesh slows down moving points when making corrections.

Do not tile heavy graphics.   For example sequins or embroidery.   Tiled graphics can slow down opening the clo file.
    An image of the sequins applied as a texture is acceptable.
    Single graphics for example like on a t-shirt are okay.

# Thanks!

Any 3D related issues
Please reach out to the URBN 3D Team:

Paige Regan – Lead 3D Tech Anthropologie: kregan@urbn.com

Heidi Cheng – Lead 3D Tech Free People: hcheng@urbn.com

Brielle Lombardi – Lead 3D Tech Urban Outfitters Women's: blombardi@urbn.com

Wei Peng – Lead 3D Tech UO Men's, Technical issues, and Clo program training: wpeng@urbn.com

Lynda Lovell – 3D Team Project Manager , Tech Design 3D Process and Resources: llovell@urbn.com