Bag Prototyping Revision Log & Tech Pack Checklist

One printable working document: the engineering brief fields, the tech pack document set, the revision log columns with severity rules, and the golden sample sign-off list. Built from the same process we run on the LantaoBags sample-room floor.

1 Engineering brief — lock these before sampling

- ☐ Exact job, user, frequency and climate stress
- ☐ Target dimensions, capacity and max load
- ☐ Carry method and access behaviour under load
- ☐ Measurable pass / partial pass / fail criteria
- ☐ Must-have features vs nice-to-have details
- ☐ Unit-cost target and launch date
- ☐ Approval owner and sign-off authority
- ☐ Reference sample or marked-up competitor photos

2 Tech pack document set

1 Design Brief
- ☐ Use case, silhouette, key features
- ☐ Target user and channel

2 BOM Sheet
- ☐ Every fabric, trim, hardware and pack
- ☐ Supplier, spec and stock / custom status

3 Material & Color Reference
- ☐ Swatch references and Pantone targets
- ☐ Finish, hand-feel and backing notes

4 Hardware Spec Sheet
- ☐ Zipper type, slider and tape width
- ☐ Pull, ring, buckle and finish approval

5 Construction Callouts
- ☐ Stitch type, SPI and reinforcement map
- ☐ Seam allowance and panel overlap per piece

6 Measurement & Tolerance
- ☐ Key measurements at ±5 mm
- ☐ Stitch and hardware tolerances

7 Branding, Packaging & QC
- ☐ Logo placement, artwork and packaging
- ☐ QC test plan and inspection gates

8 Revision Log & Sign-Off
- ☐ Numbered revision log
- ☐ Golden sample sign-off sheet

3 Test gates to define in the tech pack

CHECK	TARGET TO AGREE	WHY IT MATTERS
Handle / strap anchor	**Load to failure, then retest**	Reveals weak reinforcement and stitch pattern

Zipper cycle	**500 open / close cycles**	Exposes drag, misalignment and slider wear
Seam and tolerance	**±5 mm on key measurements**	Stops dimension drift between rounds and bulk
Hardware corrosion	**Salt-spray check**	Flags finish failures before they reach the customer
Loaded carry	**Target capacity, 30-minute carry**	Shows foam collapse, strap dig and silhouette loss

4 Revision log — one row per defect

#	ISSUE	PHOTO REF	PROBABLE CAUSE	CORRECTIVE ACTION	SEVERITY	OWNER / DUE
1	Strap anchor tears at load	IMG-01	Single stitch row, no backer	Add PVC backer, X-box stitch	CRITICAL	
2	Base panel 6 mm oversize	IMG-02	Seam allowance not stated	Lock seam allowance in tech pack	MAJOR	
3	Zipper twists at corner	IMG-03	Four-layer seam stack	Thin binding, revise gusset	MAJOR	
4	Edge-paint gloss uneven	IMG-04	Surface prep skipped	Add prep step and drying time	MINOR	
5						
6						
7						
8						

Severity rule: **Critical** = structural failure (tear-out, zipper blowout); **Major** = fit, dimension or function drift; **Minor** = cosmetic. Change one variable per defect category per round.

5 Golden sample sign-off

- ☐ Physical sample signed and tagged
- ☐ Final measurement sheet approved
- ☐ Tech pack version frozen
- ☐ BOM, materials and colors locked
- ☐ Swatches and hardware approvals attached
- ☐ QC checkpoints and watch-outs listed
- ☐ Sample-fee credit and MOQ confirmed
- ☐ Production lead time and owner recorded