

# Aura

Visual and technical documentation for tenderers  
applying to acquire production rights of Aura – the  
chair for the New National Museum of Norway

January 2019



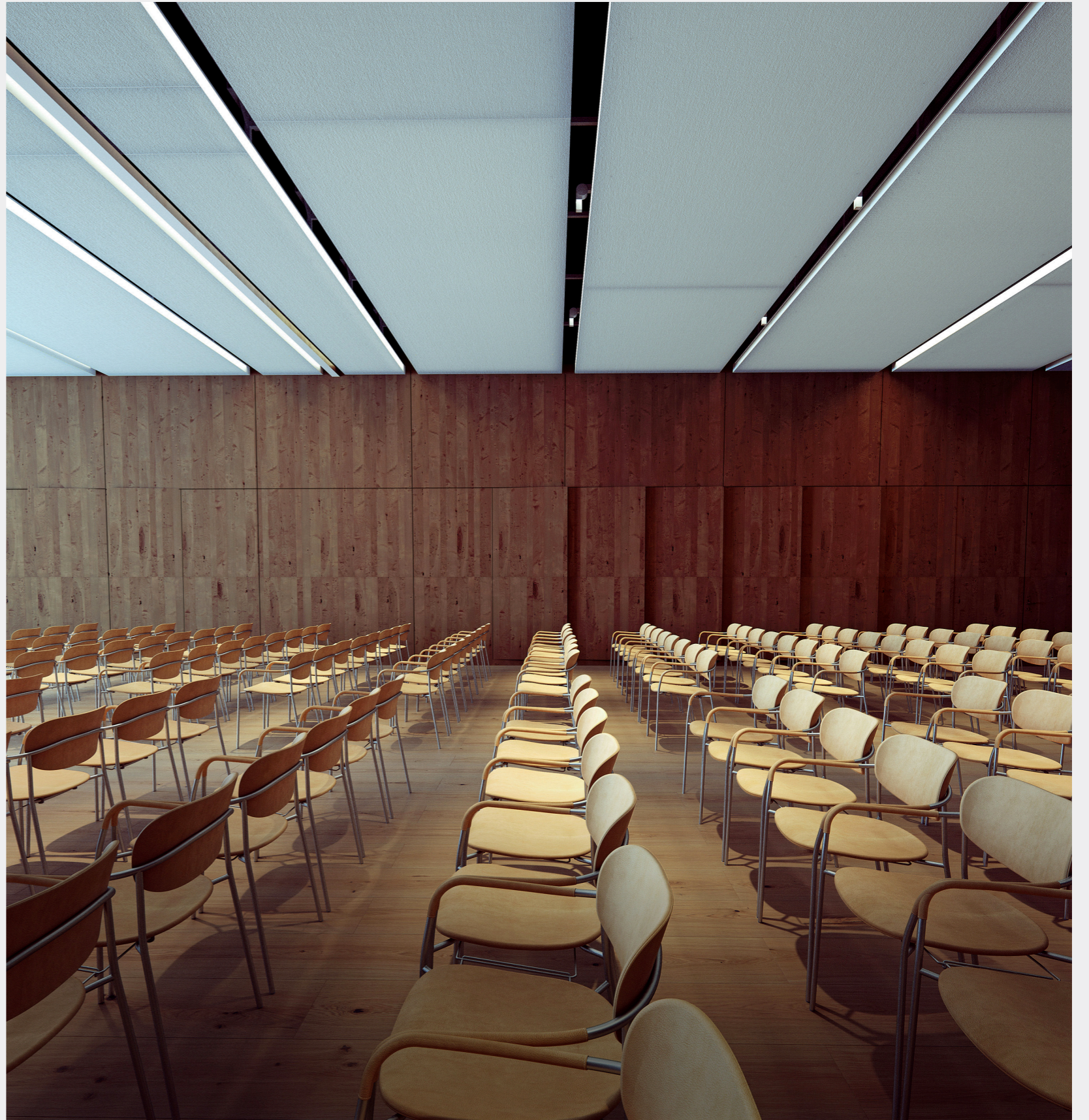
AE, O

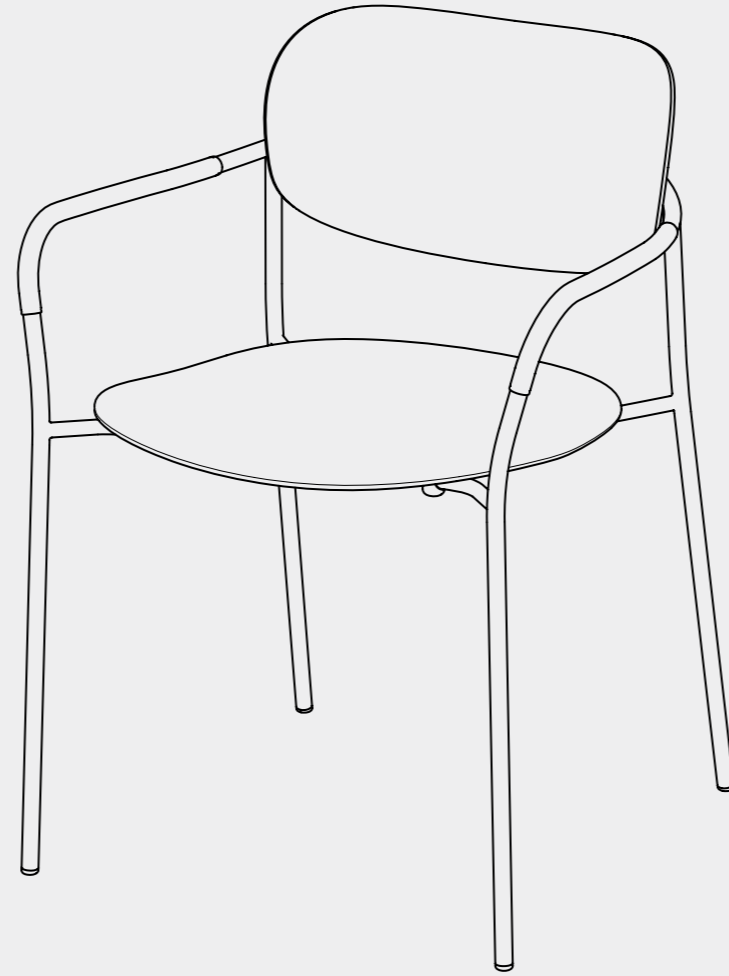
Aura

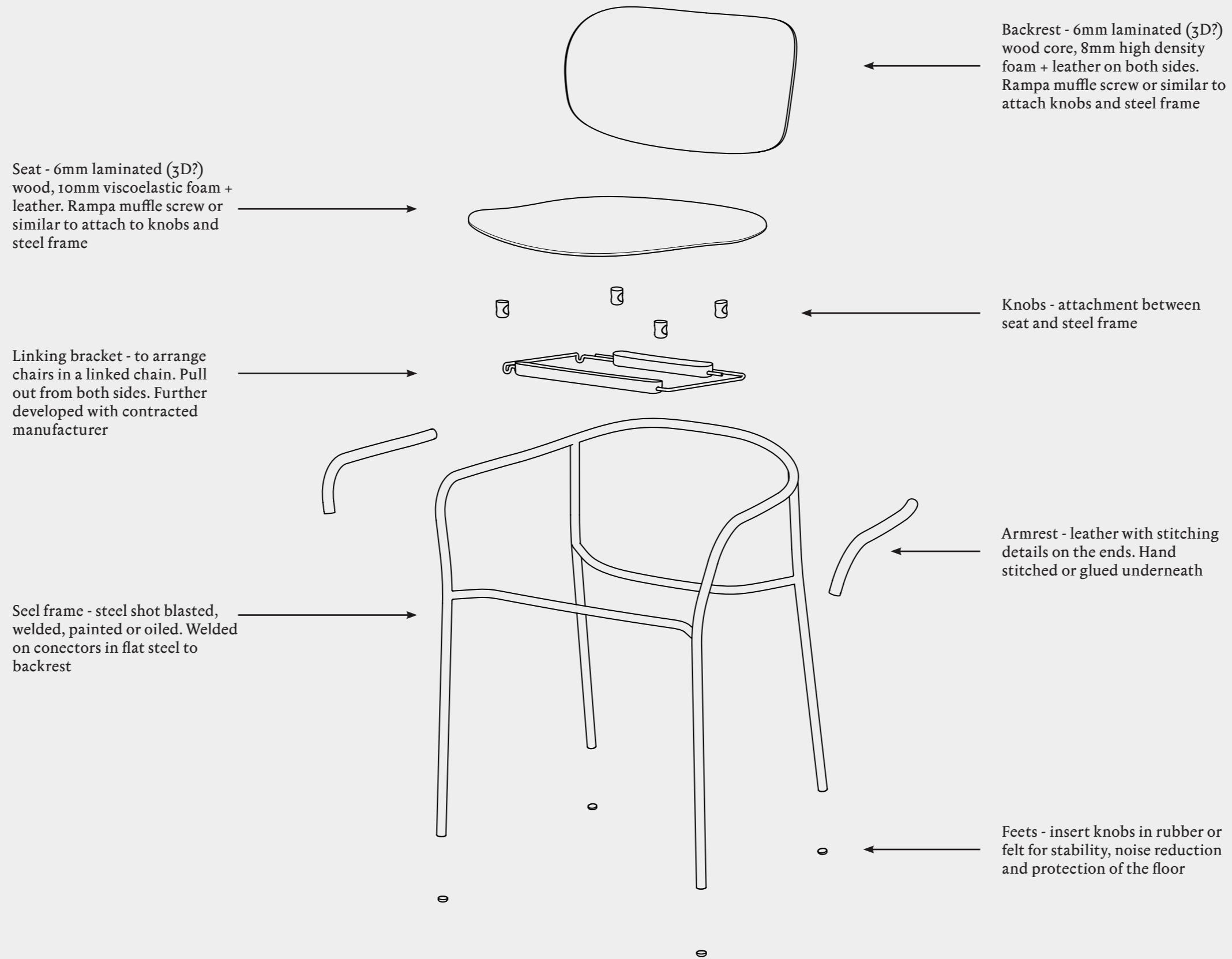
Visualization

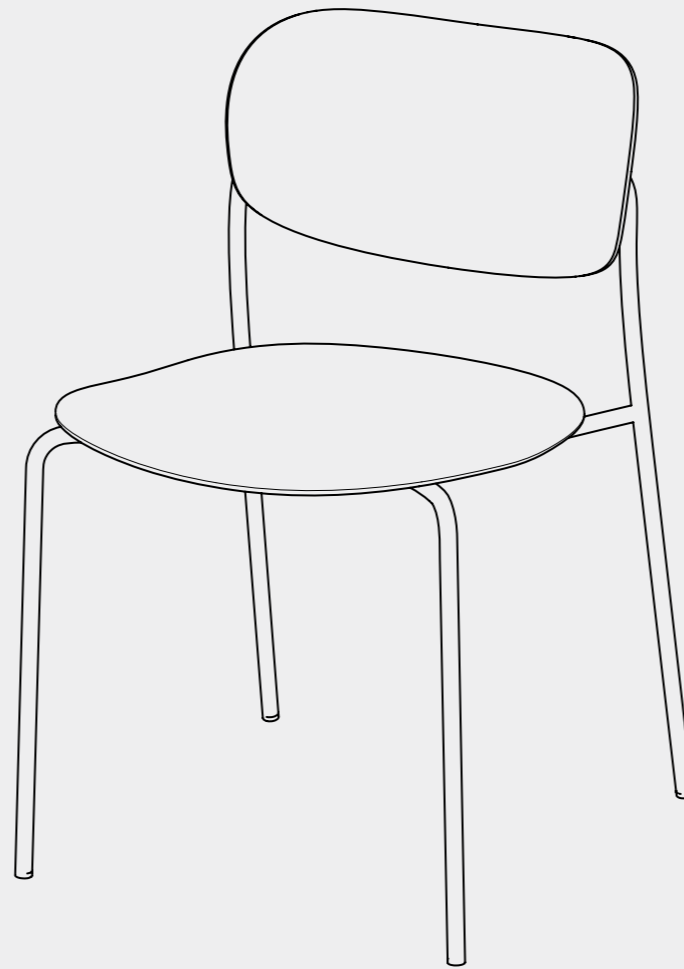
Andreas Engesvik, Oslo  
2019-01-31 / 02

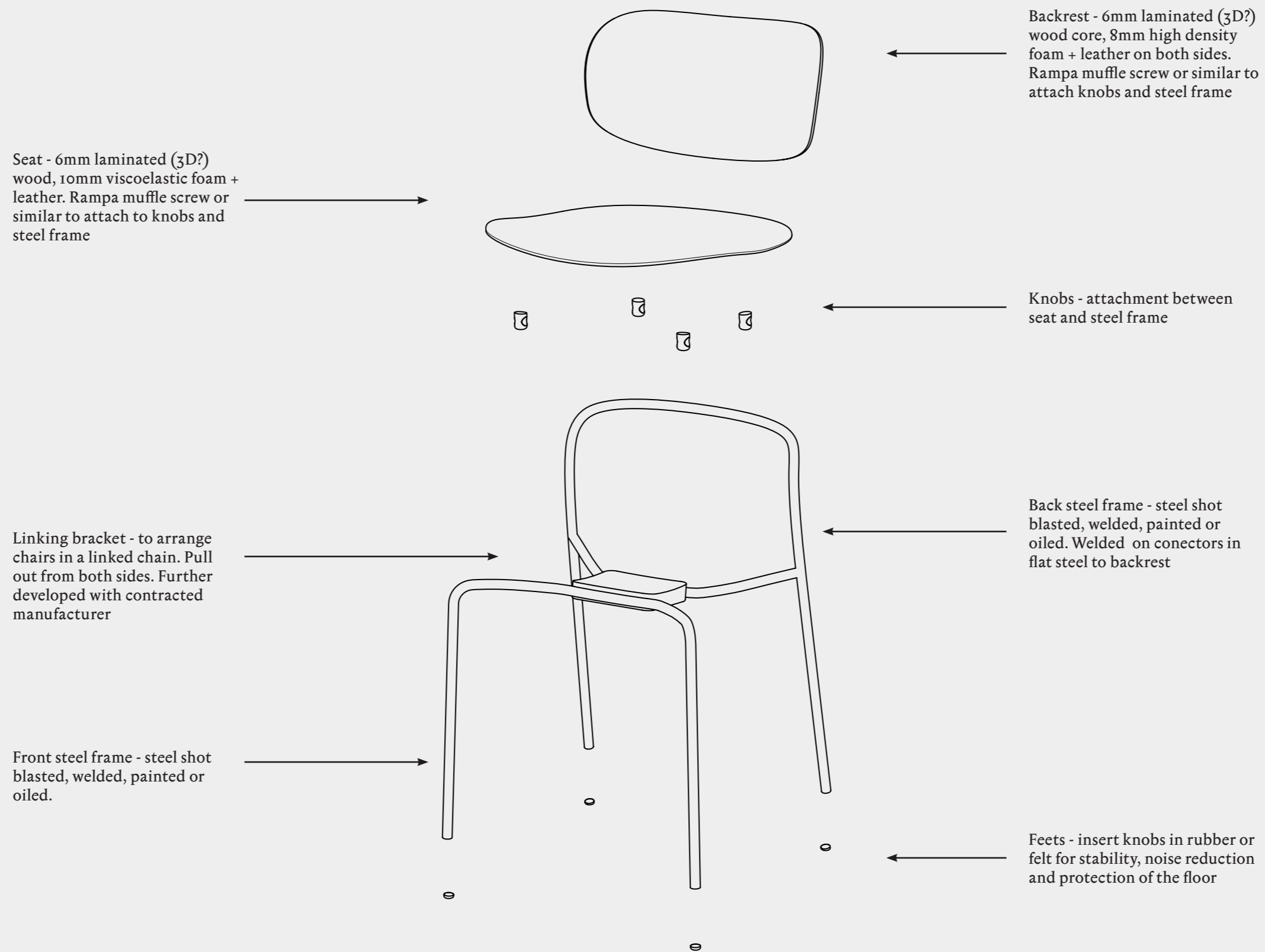










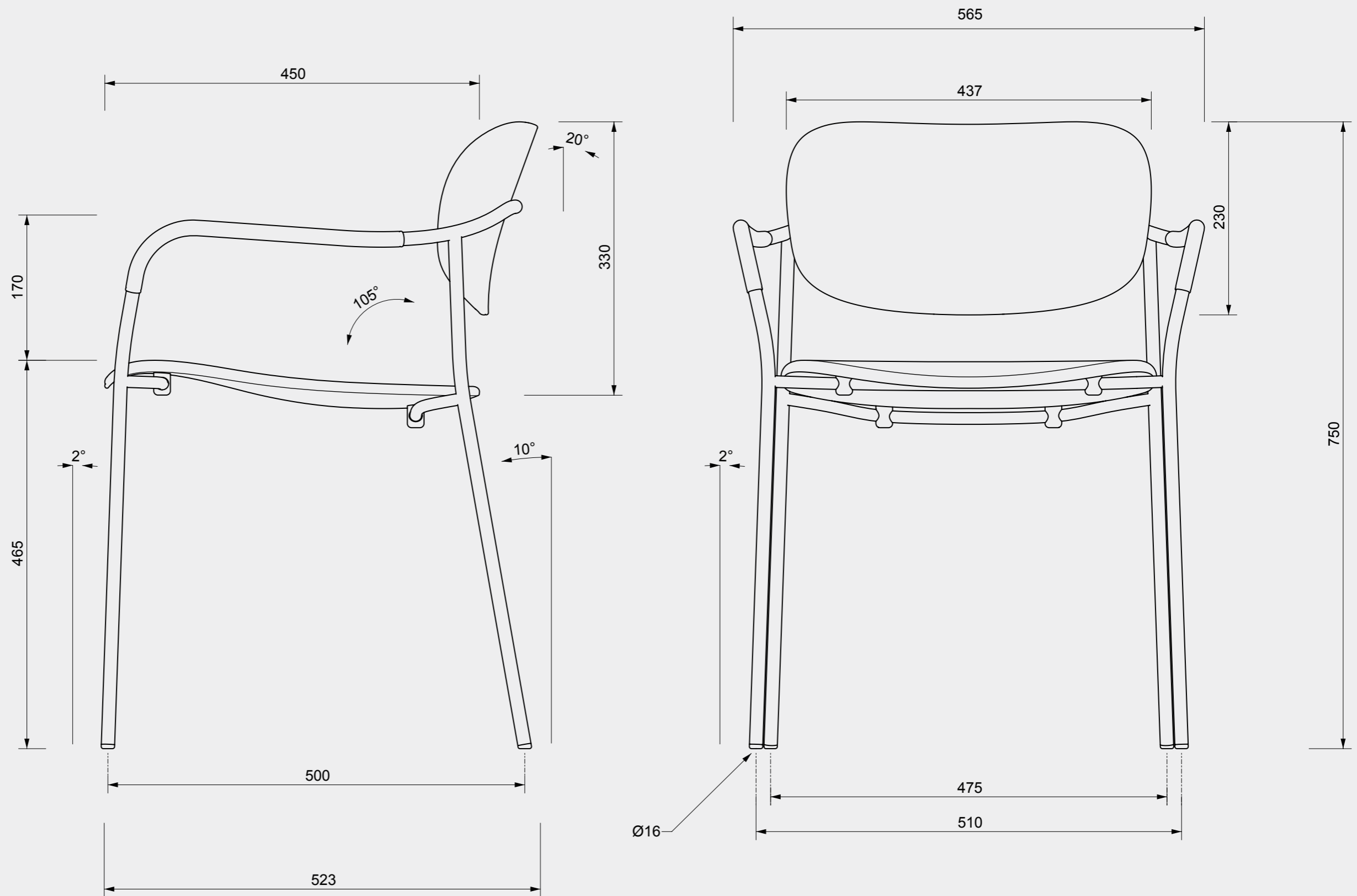




See supplementary 3D-model for more precise information on shape, accurate measurements and preparation for production and machining.

Total height: 750mm  
Total width: 565mm  
Total depth: 523mm

Seat height: 465mm  
Backrest height: 330mm  
Armrest height: 170mm  
Seat depth: 450mm  
Seat width: 450mm

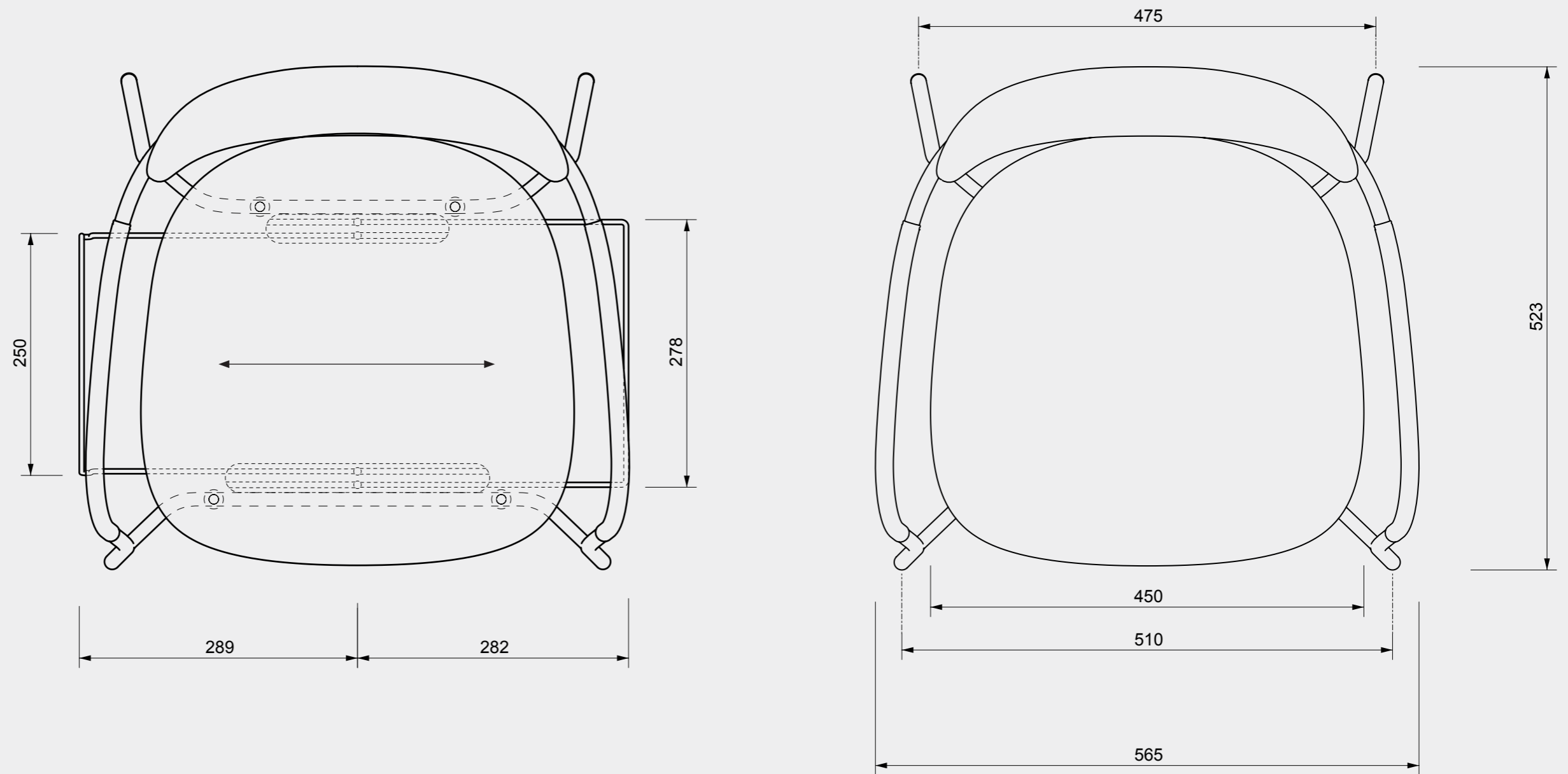


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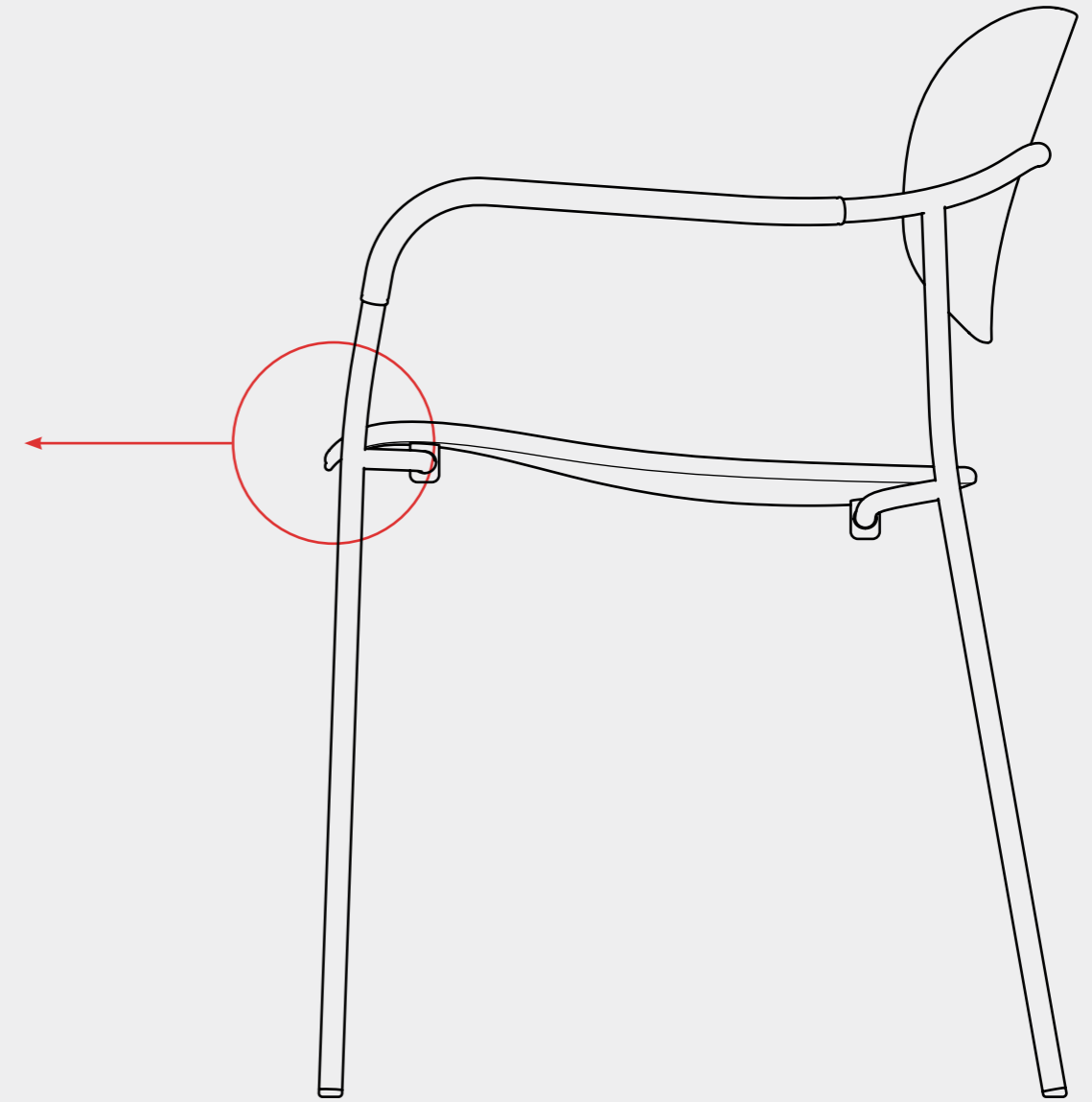
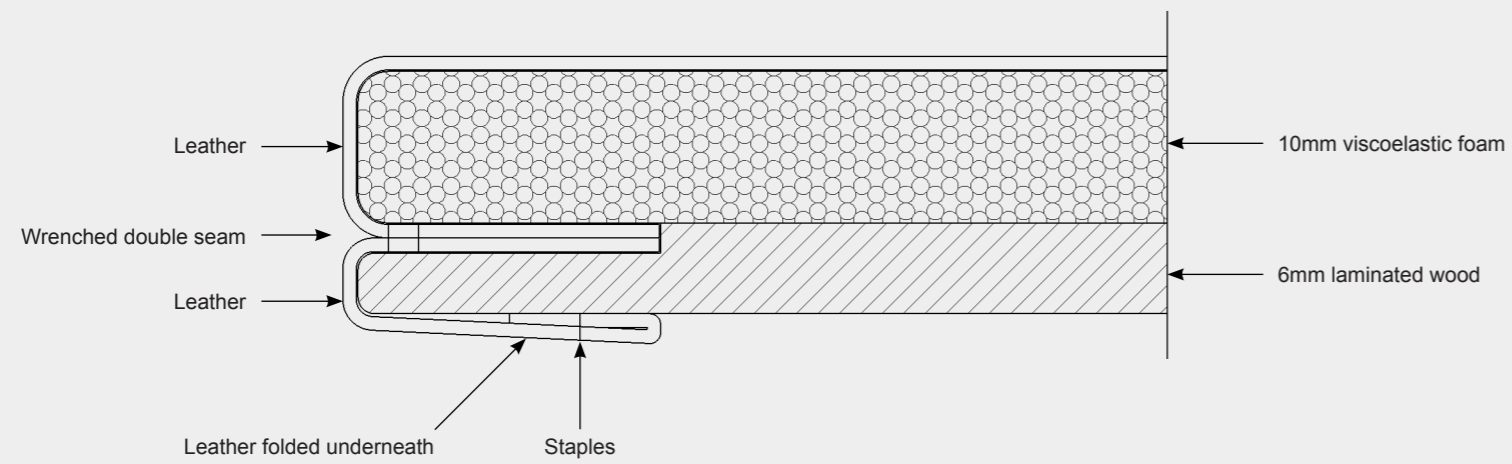
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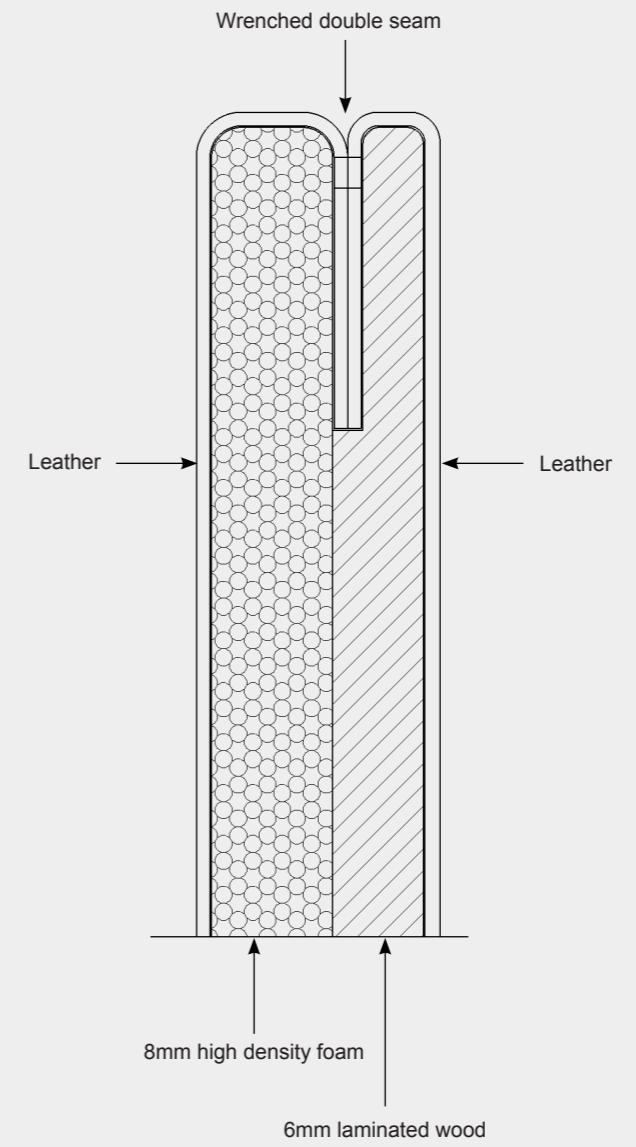
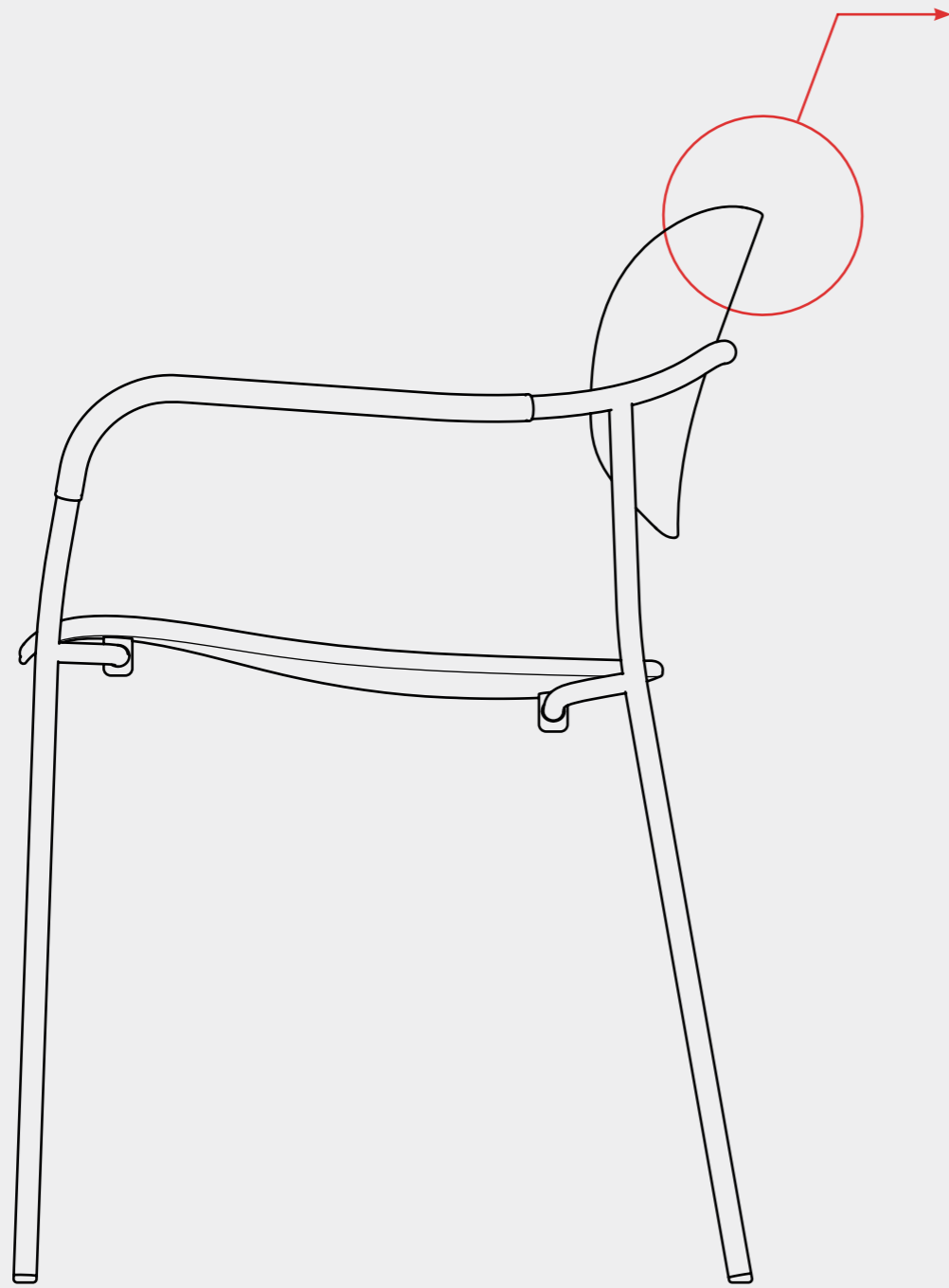
Linking bracket - A visually subtle coupling system that can easily be pulled out from the underside of the seat when ever needed. Will be further developed with contracted manufacturer.



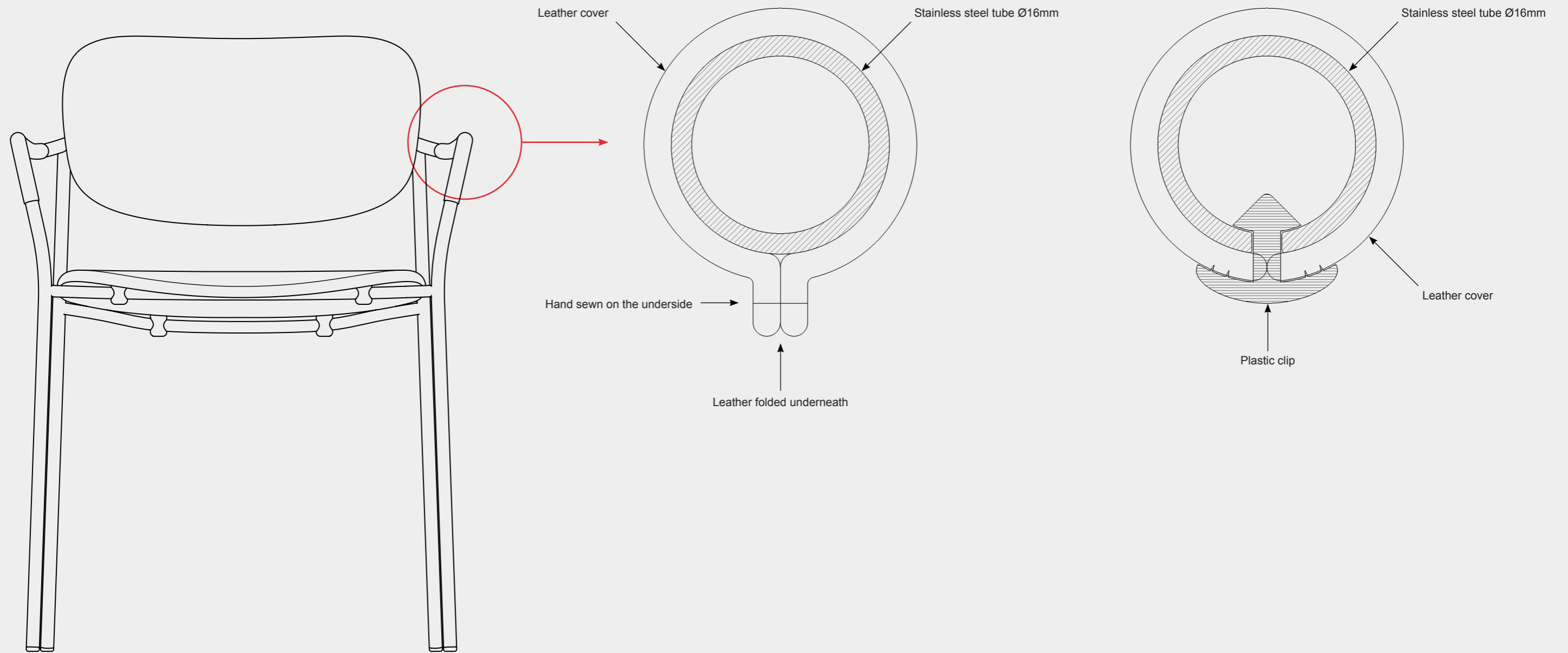
Suggestion for upholstery and seaming - cross section showing sandwich construction in seat with laminated wood, foam and leather.



Suggestion for upholstery and seaming - cross section showing sandwich construction in backrest with laminated wood, foam and leather.



Suggestions for covering and detailing of armrest - cross section showing leather and attachment to steel tube



## Technical specifications and requirements concerning development and production of Aura

The tenderer must adhere to the enclosed technical drawings, 3D-model and technical specifications in the work of developing their offer. Questions regarding the chair's design and technical requirements must be sent to Statsbygg's contact person for the tender procedure. Any questions will be answered by AE,O via Statsbygg and made anonymously available to all of the participants at Mercell.

In development and delivery to the museum, the chair should be developed in a small range: with armrests (main version) and without armrests, with and without upholstered seat and backrest. The un-upholstered versions should be executed in oiled or lacquered laminated 3D-veneer.

When contracting the producer, the chair must be developed in cooperation with AE,O and base all development and production on the current technical documentation.

Contracted producer is responsible for acquiring necessary production tools, expertise, materials and other essential means to produce the chair.

The manufacturer must meet current requirements in accordance with guidelines for sustainable production. See section 4.4 - Award criteria for competition, Environment and quality of environmental systems.

### General construction and appearance

- Basic measurements and fundamental aesthetical expressions of the chair shall be preserved in development and production (unless otherwise agreed with AE,O)
- The final product must meet current technical quality standards for strength, durability, stability, safety, function and ergonomics
- The steel frame must be machined by tube bending with free radius and without significant deformations
- The chair should have a good comfort within its own category - laminating and upholstery of seat and backrest should therefore be of good quality
- The chair should be stackable
- The chair must be able to be connected in chains with linking brackets – brackets are further developed in cooperation between contracted manufacturer and AE, O

### Materials and surface finishing

- The chair should be produced in such way and with materials that provides durability over time
- Steel frame is made in 16mm stainless steel tubes with free radius bending – surface finish with steel shot blasting, welded, clear painted/oiled
- Seat and backrest are made in laminated 3D-veneer (without treatment on upholstered version)
- Seat is upholstered with 10mm viscoelastic foam – glued onto laminated wood
- Backrest is upholstered with 8mm high density foam – glued onto laminated wood
- Seat, backrest and armrest is covered with leather – natural tanned and processed from sustainable and ethical production

### Detailing and fittings

- Two different solutions for feets – rubber and felt. For increased stability, noise reduction and protection of floor. Can be bought of-shelf or developed custom made
- Rubber knobs between seat/back and steel frame. For attachment, increased comfort and noise reduction. Attachments can be further developed with contracted manufacturer
- Linking brackets are further developed with contracted manufacturer
- Plain seams along edge of seat, backrest and armrest

### General comments on the manufacturing process

- Any corrections and changes to the chair that deviates from current technical documentation and specifications shall be made jointly with and / or approved by AE,O
- All materials, production techniques and other relevant information concerning production of the chair, from manufacturer or any subcontractors and/or suppliers should be made accessible to the project's owner and design team
- The final product must meet current ethical and sustainable European manufacturing standards