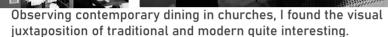
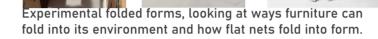
FOLDEDREAMS

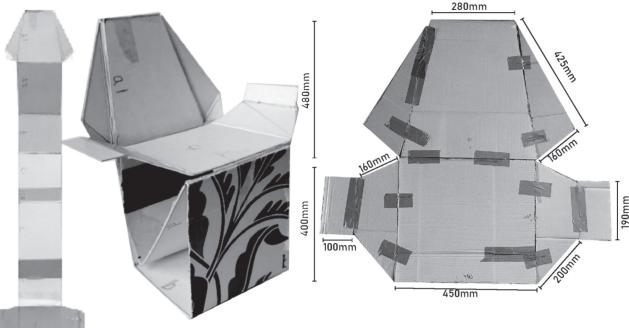
CONCEPT DEVELOPMENT











Developed prototype cardboard chair at 1:10 and 1:1 to determine necessary angles needed to bend. I decided here to incorporate fabric as it can be moulded into various shapes.

MATERIAL EXPERIMENTATION

Royal Garrison Church, which I reimagined and transformed into a restaurant, blending historical tradition with contemporary dining. The dialogue between furniture and space reflects a tension between tradition and innovation. The folding forms draw directly from the ancient art of origami, a practice rooted in ritual, discipline, and cultural heritage. Yet it also lends itself to contemporary reinterpretation through material experimentation and innovative construction.

My main chosen material is felt. Natural felt is a textile material made out of sheep wool. It is one of the oldest forms of non-woven fabric. The material is fabricated by matting, condensing, and pressing the wool together. Wool felt has amazing qualities making it a suitable choice for its use within a restaurant, including: natural, acoustic, biodegradable, thermal and hygrometric regulation, odour reduction, high combustion temperature, and water resistance properties.

HOW

adaptive reuse of the

Felt making can be achieved through a number of processes. Including dry felting, which involves weaving the individual strands using barbed needles. Wet felting, the process of using a combination of heat, friction, and agitation to matt the fibres. Also pressed felt, which is commonly made industrially in the same way with heat and water but is compressed into different thicknesse

Making felt becomes ritualistic through its repetition, community bonding, and its symbolic transformation of a raw material into meaningful objects. Felt making is labour intensive and often done in groups, with rhythmic, repeated actions such as rolling, rubbing, and pressing. These repeated gestures can take on a meditative, almost ceremonial quality, much like origami.

My 1:50 model of a section of the church restaurant expresses the materiality and folded forms across a range of scales. Each piece was individually folded and assembled to embody origami, not only in form, but in process. This hands-on approach was a continuation of my exploration into ritual allowing me to engage in the repetitive acts of making, fostering a deeper connection to my concept.







Making felt by aggrivating the fibres with hot soapy water and rubbing over a textured surface, causing the wool to felt.

FIION?



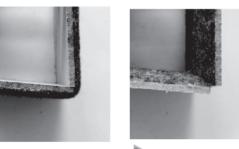




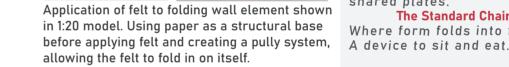


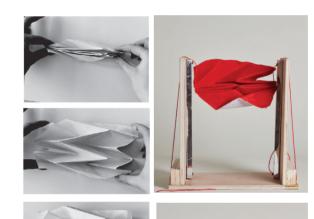


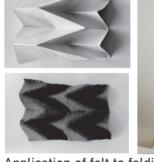


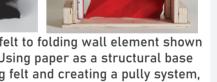






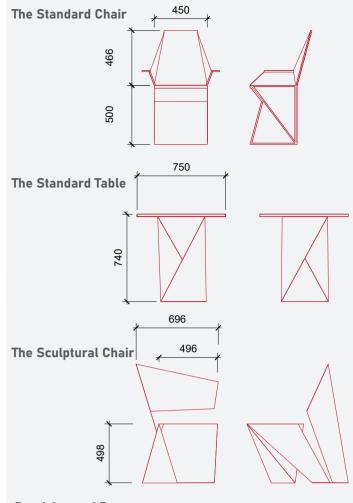






From Flat to Function: The Standard Chair

I developed a series of furniture looking specifically at one chair exploring how it folds from flat form to functional. Through detailed material exploration, the work contrasts precise detailing with the poetic motion of transformation.



Precision and Presence

A word experiment juxtaposing technical and poetic construction language.

Folded in thought, like paper made solid, the chair

Fold lines 5mm tollerance

Grey felt lining, softens the welcome, 5mm grev wool felt

While plywood, encased in vinyl's warm sheen,

5mm oak veneer laminated plywood Held fast by angled brackets, each screw a promise

M6 x 80mm hex socket countersunk screw

Brings strength drawn from grain, firm beneath shifting weight.

Measured with intention,

3400mm length net stored flat

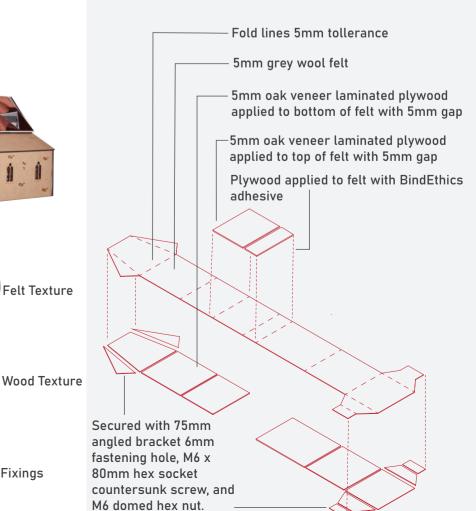
It slips beneath the table, awaiting its guest,

Cradling the diner in a structured embrace.

A support beneath laughter, clinking glasses, and shared plates.

The Standard Chair

Where form folds into function,



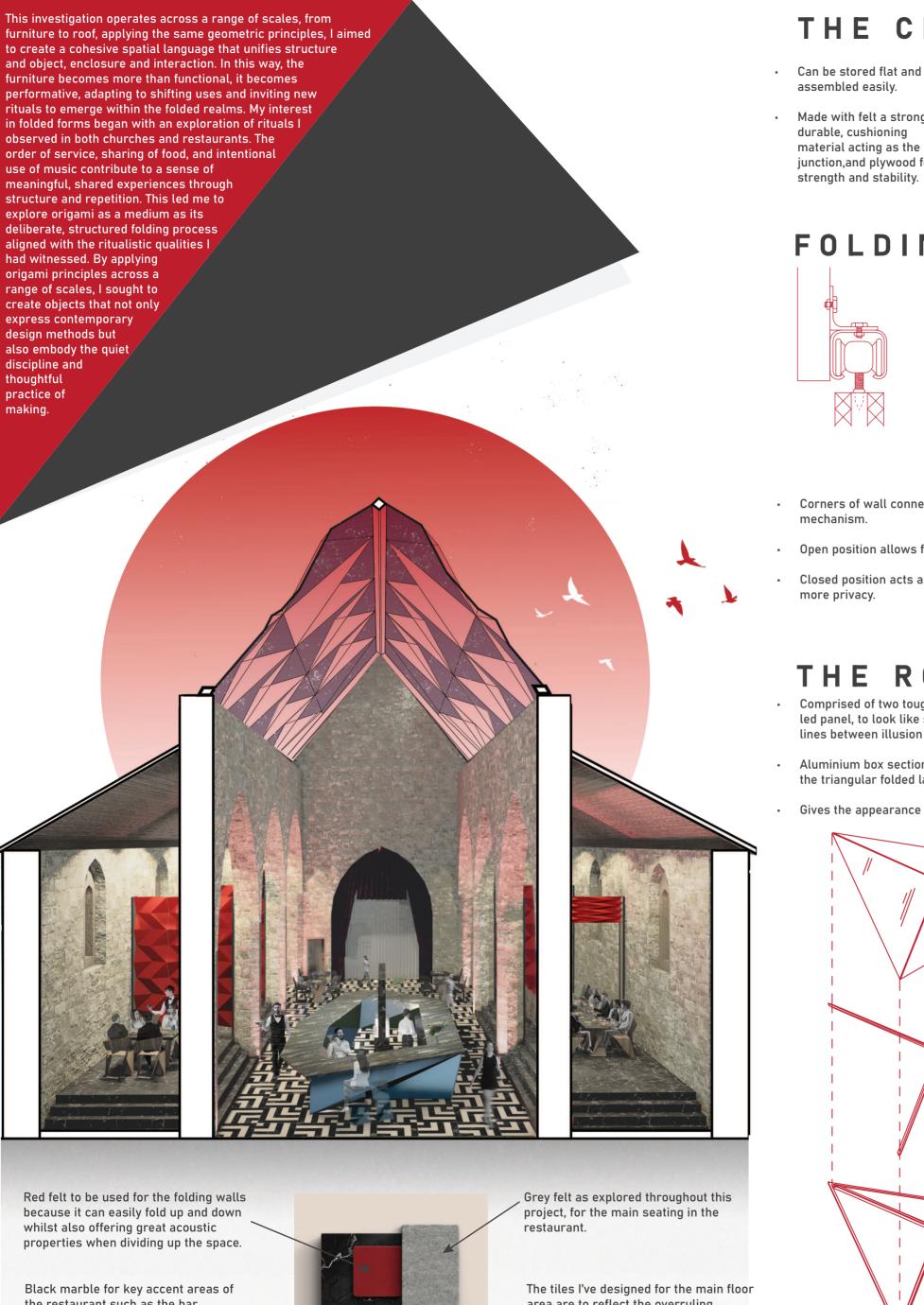
MATERIALITY THROUGH MAKING











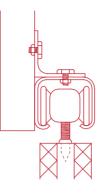
· Made with felt a strong

assembled easily.

durable, cushioning material acting as the junction, and plywood for strength and stability.

THE CHAIR



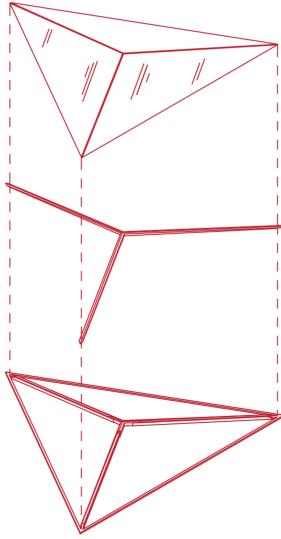




- Open position allows for space utilisation.
- Closed position acts as an acoustic barrier enabaling more privacy.

THE ROOF

- Comprised of two toughened glass panels with one solid led panel, to look like stars from underneath, blurring the lines between illusion and reality.
- Aluminium box section tetrahedron framework, mirroring the triangular folded language below.
- Gives the appearance of unfolded paper form afar.



I chose red as the primary colour of this project for its rich symbolic connotations, in the context of the church, red holds significant representations of passion, sacrifice and reverence. While in a restaurant setting, it stimulates appetite and energy, while also encouraging connection. Additionally, red is used in performative spaces, enhancing the theatrical and dynamic spaces in this project, in line with the rest of the church which unfolds into an illusory journey with shifting perspectives and spatial ambiguity.

area are to reflect the overruling the restaurant such as the bar, elevated seating platforms and the concept of illusion while also referencing the tiled floor of the existing table tops as it has a strong presence which is best suited to the focal areas. church's altar.

I've echoed the classic timber roof The limestone walls of the Garrison Church along the aisles in my furniture by are inherently hard, but their weathered incorporating timber structurally in my and deteriorating surface give them a table and chair designs in my project. softer, more textured appearance.

