

JK LAKSHMIPAT UNIVERSITY
Institute of Design
NAAC 'A' Grade Accredited

Residential Furniture Design

Designing teak-wood bespoke furniture for a residence.

Student : **Akshat Jain**

Sponsor : **F3 Furniture for Future**

Mentor : **Mr. Raj Gopal Menon**

Programme :
Bachelor of Design (B.Des)
Product Design

THE GRADUATION PROJECT 2024

The Evaluation Jury has recommended **Akshat Jain**

for graduation from **Institute of Design, JK LAKSHMIPAT UNIVERSITY**

with specialization in **Product Design**

Herewith, for the project titled RESIDENTIAL FURNITURE DESIGN : JAPANDI & KERALA STYLE FURNITURE

on fulfillment of requirements by

Jury Chairman	Neeraj Kumar	Neeraj
Jury Member	Pritam Singh	Pritam Singh
Jury Member	Abhimanyu Nohwar	Abhimanyu.

Remarks, if any.

- Follow-up : Research Kerala furniture.
- Be more explorative & fearless in design ideations. Understand wooden craft & manufacturing processes in wood.

Dean, Institute of Design
JK Lakshmipat University

Preface

Welcome to our innovative furniture design project, where the serene elegance of Japandi aesthetics harmoniously meets the rich material heritage of Kerala. Japandi, a blend of Japanese minimalism and Scandinavian functionality, embodies simplicity, tranquility, and refined elegance. By integrating Kerala's traditional materials, such as robust teak wood and luxurious brass, we offer a distinctive twist on contemporary design

Each piece in this bespoke collection is meticulously crafted to fulfill our clients' unique needs and desires. From the initial consultation to the current manufacturing phase, we ensure that every client's vision is being realized, blending functionality with artistic expression. The use of teak and brass brings durability and warmth to the minimalist Japandi style, creating furniture that is both enduring and contemporary, rooted in cultural richness while looking ahead to the future.

Our collection represents more than just furniture; it is a narrative of cross-cultural innovation and impeccable craftsmanship. Each piece is designed to enhance the aesthetic and functional quality of living spaces, providing personalized luxury tailored to individual tastes. The harmonious fusion of Japandi design principles with the rich textures of Kerala's materials results in creations that are simple yet profound, elegant yet robust.

We invite you to anticipate the unveiling of this exceptional collection, where every piece will tell a story of dedication to quality, a celebration of diverse design philosophies, and an unwavering commitment to client satisfaction. This project exemplifies the beauty that arises when different worlds of design converge, creating spaces that inspire and elevate the everyday experience.

Acknowledgement

This document represents the culmination of my learnings from the past four years spent at JK Lakshmipat University (JKLU), and more specifically, the learnings of my graduation project. throughout the journey, I have faced challenges that truly tested my skills, knowledge and perseverance. However, these experiences have been an invaluable addition to my bucket, providing opportunities to learn, adapt and overcome obstacles, contributing significantly to my personal and professional growth.

I am very grateful to Prof. A.Balasubramaniam, the founding director of the Institute of Design at JKLU, for assembling a dedicated team of faculty members who provide unwavering support and their invaluable expertise. His invaluable contributions and constant mentoring have played a very crucial role in establishing and nurturing this institute.

I would also like to extend my sincere gratitude to Mr. Raj Gopal Menon, Dean and Professor at JKLU, for supporting me and making me see the field of design with a new lens. His feedbacks have helped me polish my craft and has given direction to my project.

I would also like to thank Mr. Punyavardhan Singh Rathore, Administrative Officer in Institute of Design, JKLU, for helping in providing support whenever it was needed.

I am also grateful to the F3 Furniture for Future Pvt. Ltd. for taking me in their company as a product design intern and providing me a platform to learn, experiment and apply my knowledge in a product.

The support provided by my colleague Kartik AK even when he was not in the situation to help me, he went out of the way and helped me with the renders, have been incredibly valuable.

The contributions, suggestions and collaborative efforts of the tech team and design team members whom I have interacted with during this project have helped me overcome challenges and achieve my project goals.

Furthermore, I would like to thank the faculty and staff at JK Lakshmipat University, Jaipur, for providing me with the necessary resources, facilities, and academic support.

Last, but not least, I am deeply thankful to my family, Five of my closest friends Sandeep Motwani, Sanskar Singh Thakur, Soumya Birla, Ugesh K, Yashovardhan Shetty and loved ones for their support, encouragement, and motivation throughout this journey.

I would also like to extend my sincere appreciation to anyone whom I might have unintentionally missed out on acknowledging. I have made every effort to acknowledge all individuals who have contributed to my graduation project, and I am grateful for their support, guidance and contributions.

Project

Residential Furniture Design

Designed furniture pieces for an apartment which is a fusion of Japandi and Kerala Style Furniture. Extracting aesthetics of Japandi style and picked materials that are most common in Kerala Style Furniture i.e Teak-Wood and Brass.

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Introduction



Institute of Design, JK Lakshmipat University



Established in 2011, JKLU is inspired by the futuristic vision of Lala Lakshmipat Singhania, the key founder of Lakshmipat Singhania Education Foundation. Under the aegis of J.K.Organisation, the Foundation has been extending its legacy and vision of 'Education to all' for decades. Institute of Design at JKLU aims to shift from conventional design education towards a more future-ready and transformative way of learning to enable students to become successful designers.



Product Design, JKLU



Product design is concerned primarily with the relationship between products, systems and those who use them. A 4-year programme aims to create a new brand of individualistic product designers who enjoy creating with their hands and yet comfortably leverage new-age technology. Product Design is both people-centric and technology-led.

I am thankful that JKLU allows me to pursue Product Design since they provide me with excellent facilities, mentors, and a calm, comfortable workspace. Working day and night with facilities and friends, made me confident about my work.

About Mentor



Raj Gopal Menon

Professor & Dean

M.Des. in Industrial Design, IIT Mumbai; B.Tech. in Mechanical Engineering, Calicut University

Raj Gopal Menon is a graduate in Mechanical Engineering from Calicut University with a postgraduate degree in Industrial Design from IIT, Mumbai. He is an Industrial Designer, with experience in designing products that range from medical to consumer electronics, interface devices to furniture. He loves designing products from the inside out; develop the concepts, research into technologies behind them and then finally bring them to life as working products.

He has more than 35 years of experience encompassing a wide array of industries and sectors such as technology, consumer products, energy, health, and design. Kaynes Technology, RAL Consumer Products, Duron Energy Pvt. Ltd., Geneva Innovations International, Perfint Health, Vital Bio Systems, Indez Designs, and his alma mater IIT, Mumbai are some of the prestigious organisations and institutions where he has significantly contributed as a design professional.

Prior to joining JKLU, Raj worked as a Consultant where he was involved in medical devices prototype production for the last two years. He is an avid reader with profound interest in music, calligraphy and origami.

Sponsor

F3 Furniture For Future

F3 FURNITURE -for- FUTURE

F3 Furnitures is an interior design studio which was founded by Sonal Choudhary and Umang Choudhary in 2020. The studio focuses on crafting unique and bespoke furniture which caters the need of the clients and also mass manufactures. The studio believes in creating pieces that are timeless in nature and are indeed furniture for future.

Design Team

Sonal Choudhary

Founder

Umang Choudhary

Co-Founder

On-Site Team

Niranjan Koshta

Civil Engineer

Product Design Team

Akshat Jain

Product Design Intern

Sakshi Jain

Interior Designer

Kartik A K

3D Render Artist

Development

Ashish Kushwaha

Production Manager

Raj

Asst. Production Manager



Furniture Revamp!

About the Client

The Family lives in Erode, Tamil Nadu.

Alok Jain

50 yrs. | Businessman

Alok is a textile businessman. He is the bread-earner of the family. He has been very keen and has been growing interest in minimal interior styles. Alok believes that his house needs a revamp, a reglow. Alok's lifestyle reflects his new found interest i.e minimalistic living.

Rashmi Jain

43 yrs. | Housewife

Rashmi is a housewife who manages the whole family and the house. She is the core user of the furniture and interior in the house. She believes in Vaastu-Shastra and wants her house according to vaastu. Right now, even she is fed up with her house's interior and wants more space.

Arham Jain

17 yrs. | Student

Arham is a boarding school student so he stays away from home for most of the time. But has equal interest in having the apartment renovated and have his own room. His taste is similar to his father, minimalistic interior.

Bhavya Jain

6 yrs. | Student

Bhavya is a kindergarten student and she is very playful in nature. She does not care about the furniture in the house but she keeps getting hurt because of the sharp corners and edges of the current furniture.

Interview with the Client

What do they need in their house?

“Bhara Bhara nhi acha lagta, bht zyada congested feeling aati hai, esa lagta hai khuli space hi nhi hai.”

~Rashmi Jain, The Housewife

“Ratan Cane bahut sundar toh dikhta hai lekin, kaafi zyada high maintenance material hai, aur mere ghar mein ek 6 saal ki bachi bhi rehti hai. Baar baar sudharvana is too much inconvinience.”

~Alok Jain, The Businessman

“Simple yet interesting”, esa kuch furniture chahiye mujhe. Vo hota hai na too-much factor nhi chahiye furniture mein.”

~Rashmi Jain, The Housewife

“Teak wood aur brass, ek furniture ko timeless bana deta hai.”

~Rashmi Jain, The Housewife

“Humare ghar mein ek 6 saal ki bachi bhi hai aur khel kood krte krte usko bht zyada lagti rehti hai, curvy furniture sahi rahega.”

~Alok Jain, The Businessman

“Minimalistic interior chahiye, bhara bhara toh bahut dekh liya, minimal design, soft color palette”

~Alok Jain, The Businessman

“Itna toh nhi rahunga ghar mein lekin, furniture minimal aur cool dikhne wala hi chahiye mere room mein.”

~Arham Jain, Student

“Fabric upholstery normal hi chahiye, lekin ye dhyaan mein rakh ke ki yaha (Erode, TN) mein bahut humidity rehti hai.”

~Alok Jain, The Businessman

“Low seating setting mereko bahut pasand hai, relaxed feel hota hai.”

~Arham Jain, Student

Understanding the Client Brief

Project Overview:

The goal of designing the teak-wood minimalistic furniture, a Japandi style interior, was to make the apartment look bigger and have more space. The furniture is aimed to look timeless, minimal, aesthetically pleasing and most of all reflection of client's aspired lifestyle. Key features included brass as an accent material to best compliment it with teak wood, curved/soft designs, low-seating setting, replacing rattan cane with textured and sandwiched glass in many furniture pieces.

Key Stakeholders:

Client's whole family are the main users of the furniture and interior.

Goals and Objectives:

The primary objectives were to:

- **Space Saving:** Minimal and less cluttery designs of sofas, coffee table etc.
- **Stability:** The concepts which are designed are they sturdy and strong enough.
- **User-Connectedness:** Reflecting user's aspired lifestyle.
- **Welcoming:** Furniture should welcome the users itself, people would want to sit on it more.

Functional Requirements:

Essential features included:

- **Safety:** Designing concepts which have soft designs, curved edges and rounded corners.
- **Low-Seating:** Regular seating area is for closer relatives and family to spend time together, they should be more comfortable.
- **Similarity:** The furnitures in the apartment should show connectedness, same design flow.

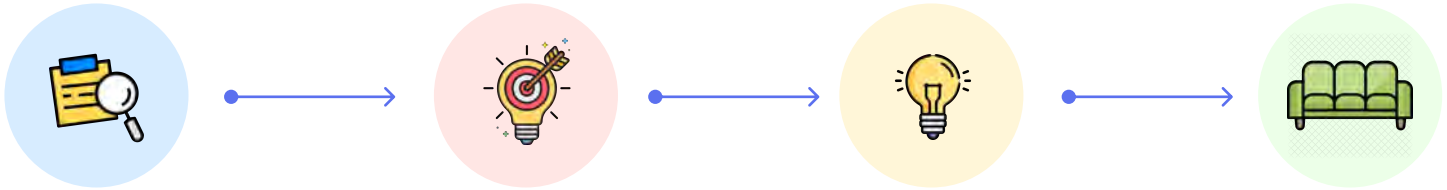
Constraints and Considerations:

Key constraints included:

- **Technical Constraints**: Integration with existing infrastructure and third-party services.
- **Material**: Rattan cane was not allowed in the design, which best complimented the texture and color of teak-wood.
- **Timeline**: Strict adherence to project deadlines and milestones.
- **User Feedback**: Continuous incorporation of user feedback to ensure the furniture meets user needs.

Understanding this brief allowed me to align design and development efforts with project objectives, ensuring that the concepts and designs addressed stakeholder needs.

My Design Process



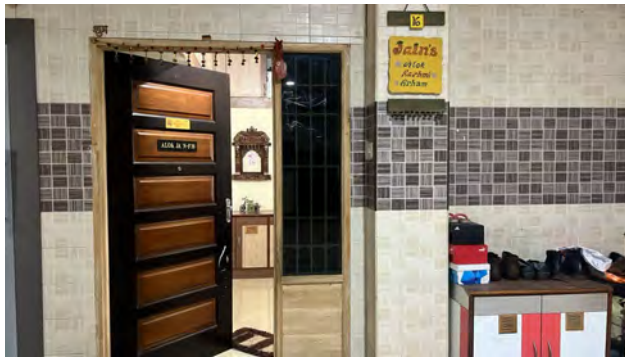
Client Interview

Defining Requirements

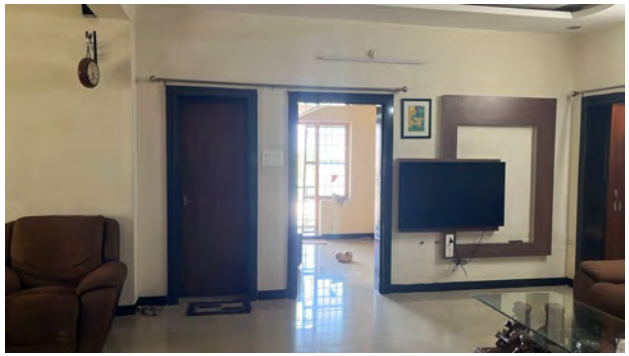
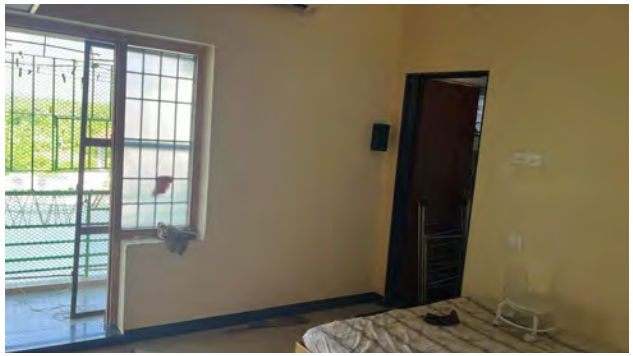
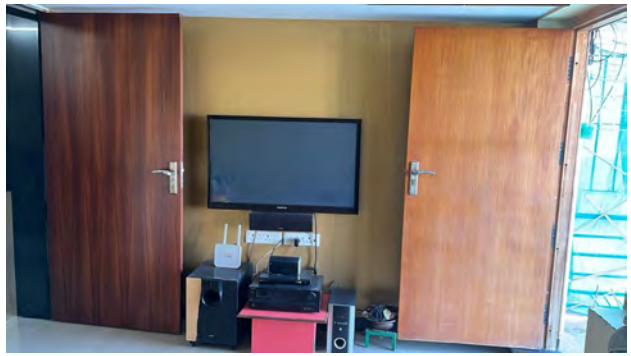
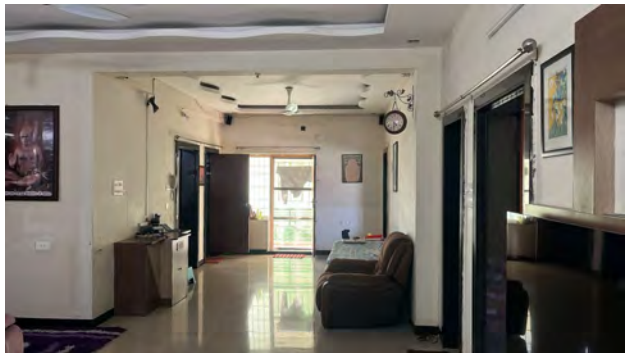
Ideation

Renders & Development

Site Visit







Site Analysis: Lighting and space arrangement

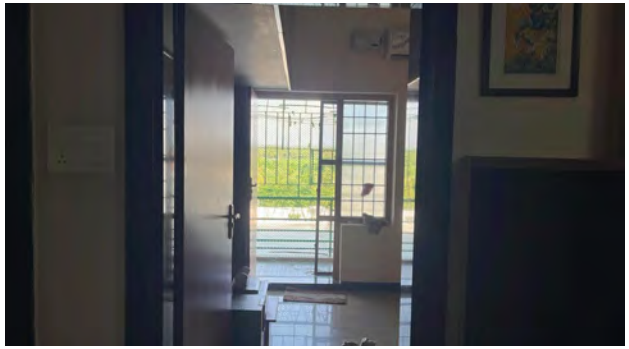
Light Sources and Current Space and furniture arrangements



Light source in the kitchen. Lights up the whole kitchen enough.

Current living room light source number one.

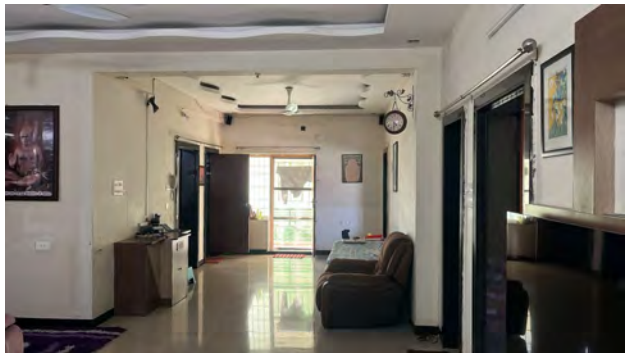




Light source number one for living room is also light source for the son's room and is also a balcony.

Son's bedroom currently used as a guest room since he went to hostel.



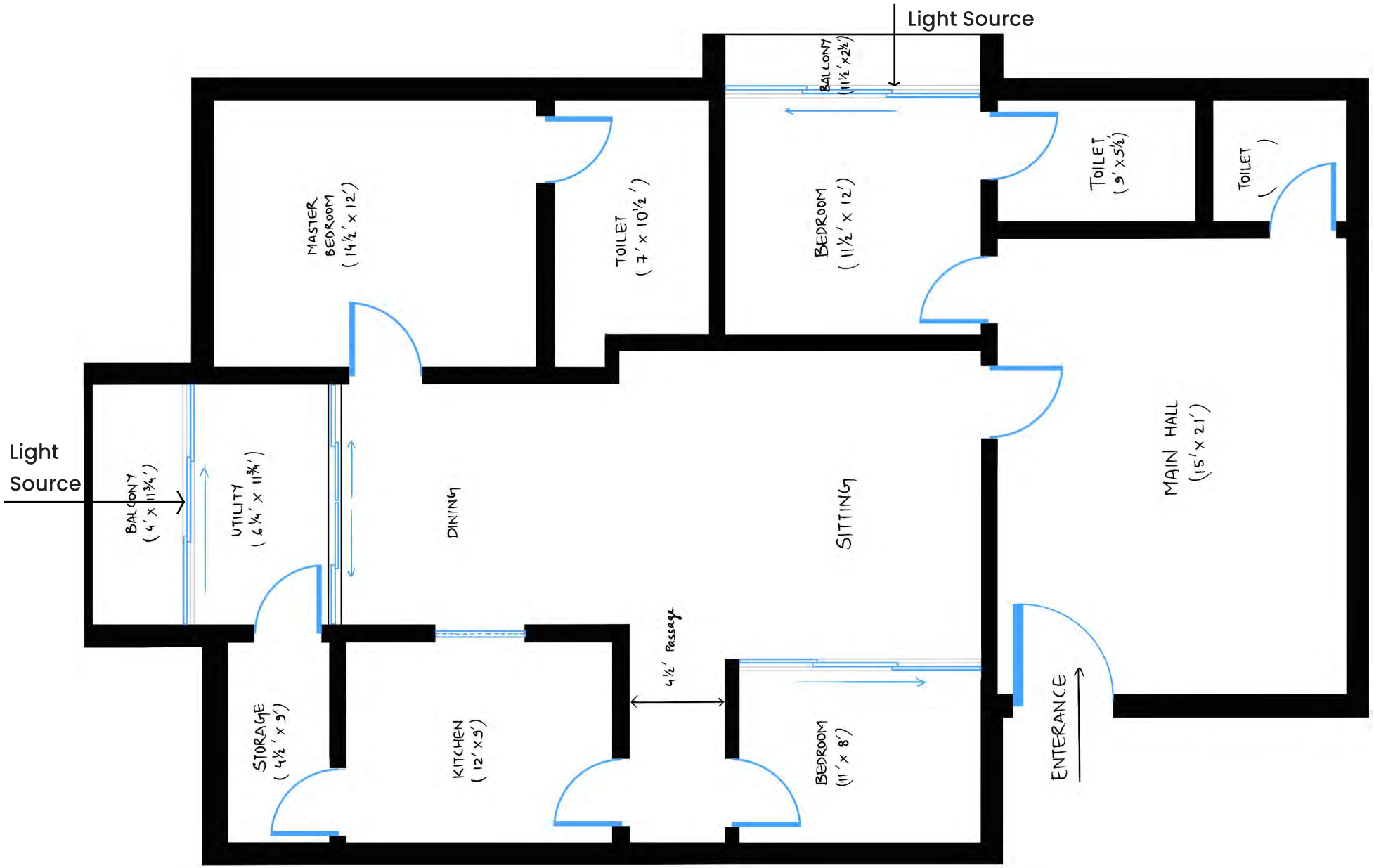


Light source number two for living room is also a balcony.

Current master bedroom light source. It is dull right now because the client usually keep that window closed.

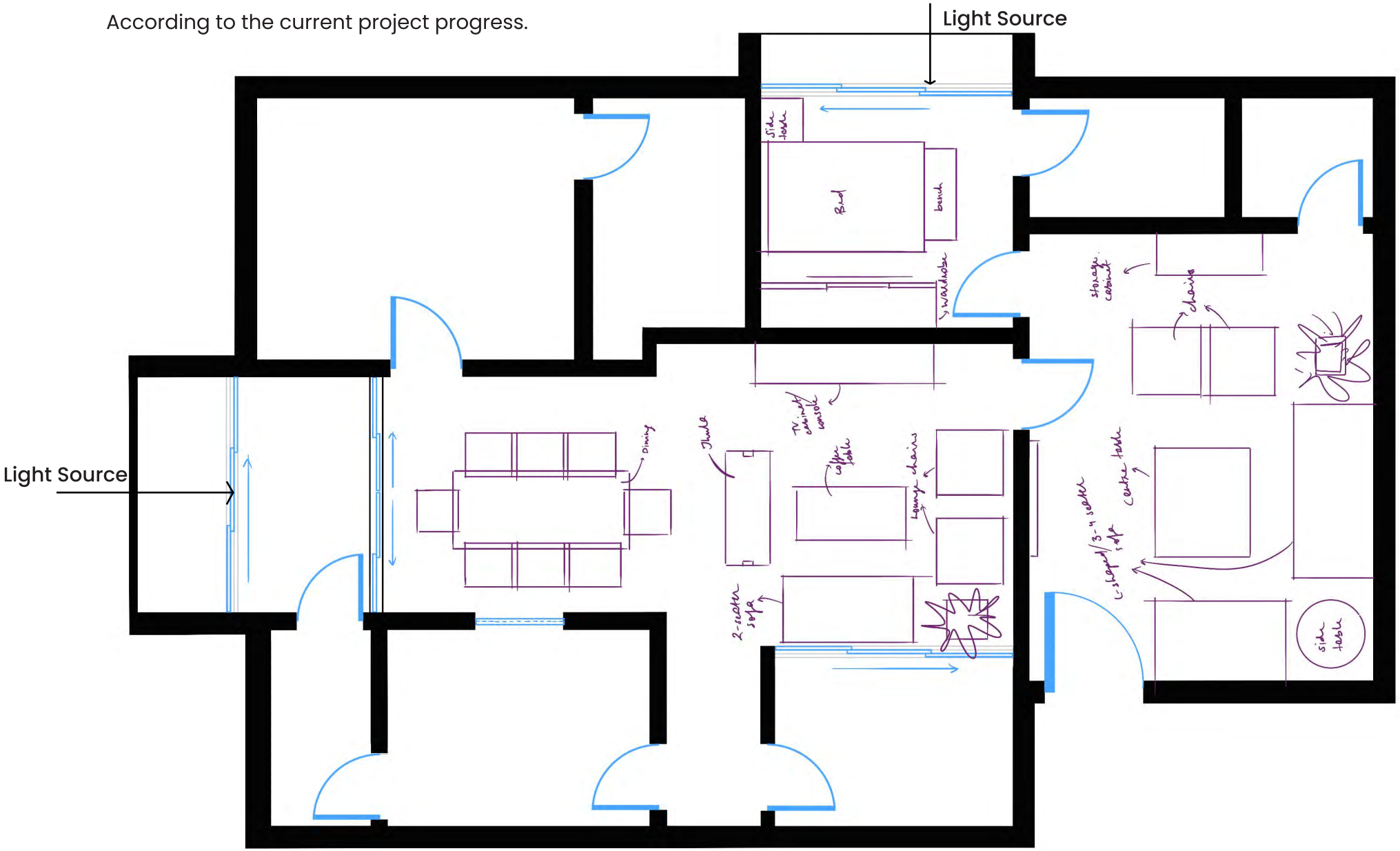


Layout: mapping out the apartment



Layout: Furniture placement

According to the current project progress.



Ideation

Dining Area

Goals and Objectives:

- 6 seater
- Spacious
- Sturdy, Bold & Minimal.
- Similarity with other furniture in the apartment.

Furniture Pieces:

- Dining Table Set
- Crockery Cabinet Storage

Dining Table Set

Mood Board

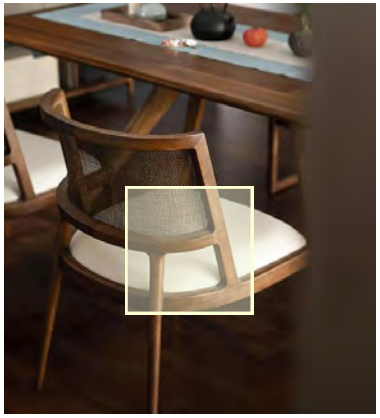












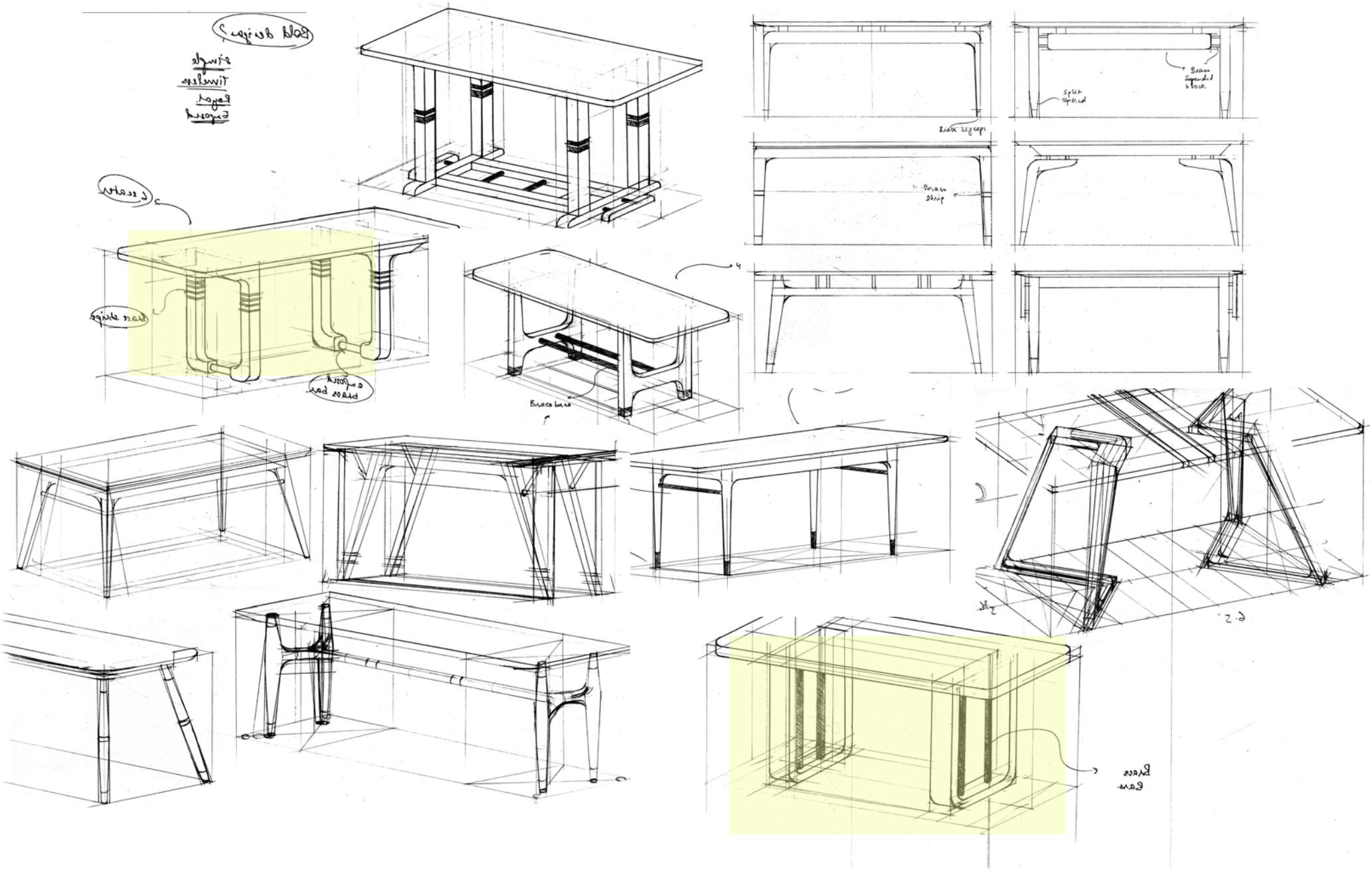








Ideation



Specifications:

Essential features included:

- **Safety:** Designing concepts which have soft designs, curved edges and rounded corners.
- **Strength:** Strong and sturdy build.
- **Similarity:** The furnitures in the apartment should show connectedness, same design flow.

Materials Used and Manufacturing:

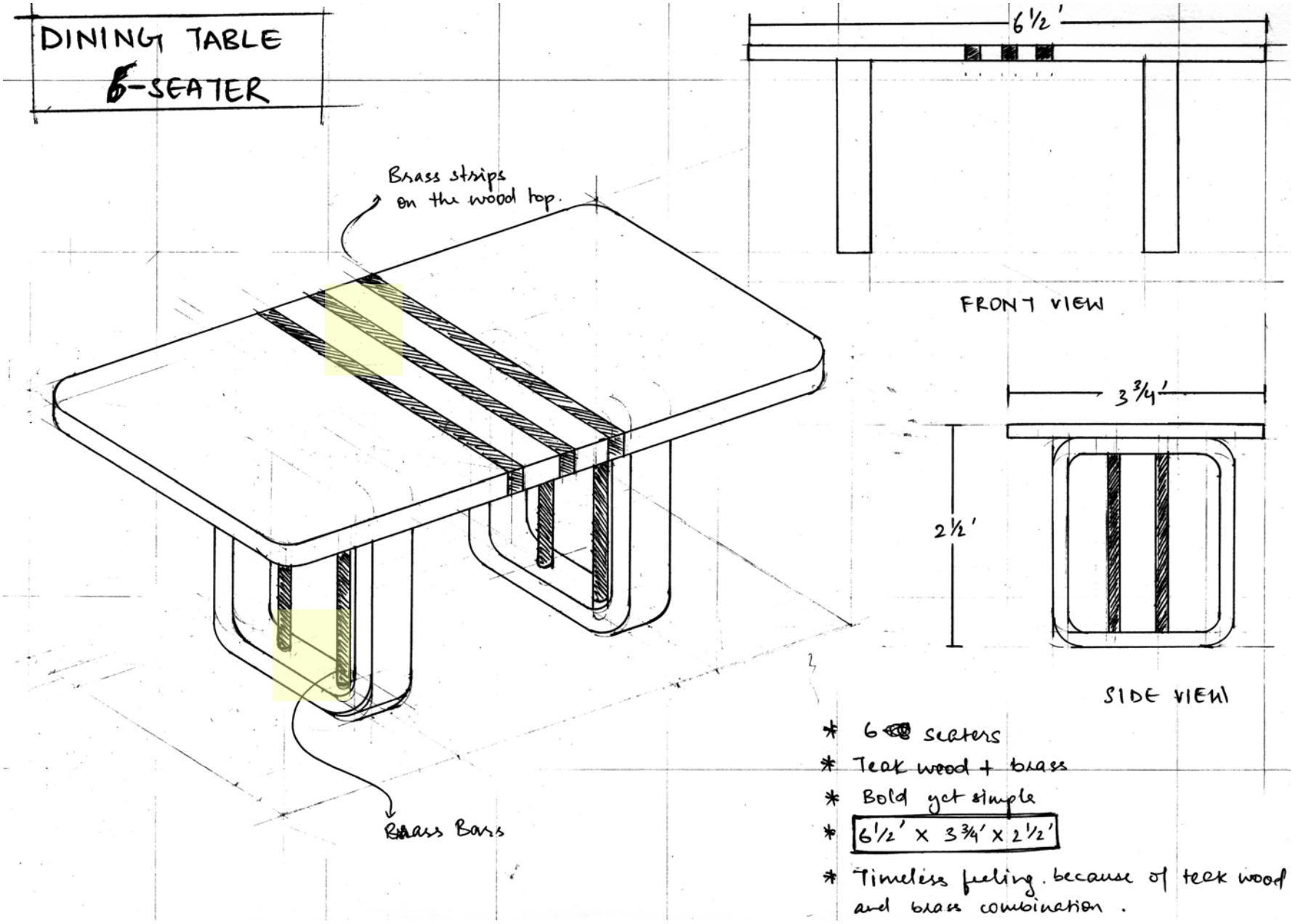
- **Brass:** Warm feeling.
- **Teak Wood:** Traditional and authentic experience.
- All wooden joints are dowel joints.
- Brass Dowels are joined by using either CA Glue or Epoxy.

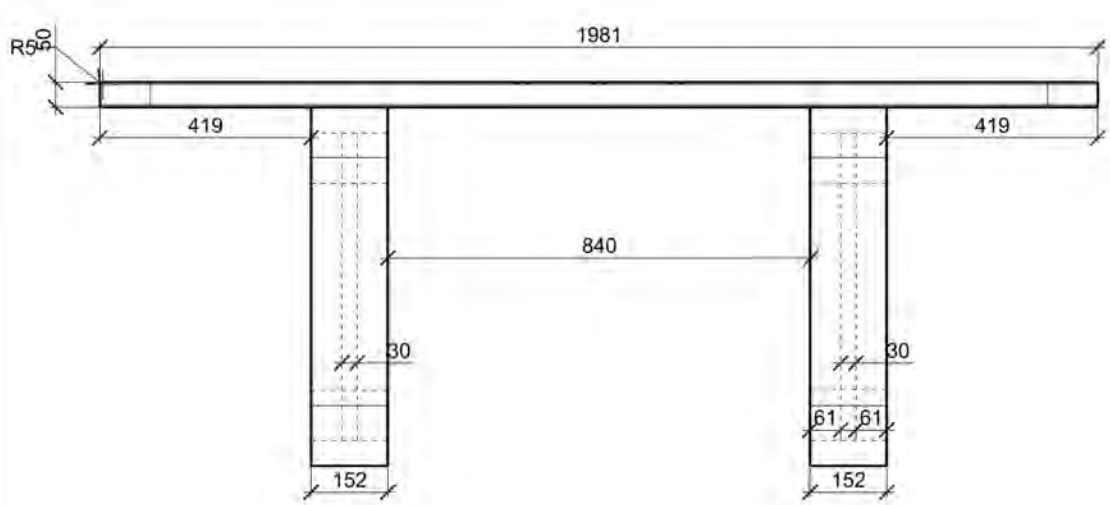
Together used to depict the timeless nature.

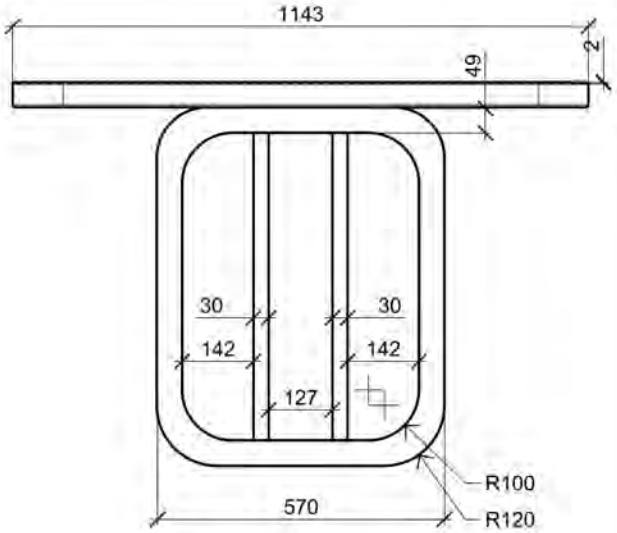
Ergonomics:

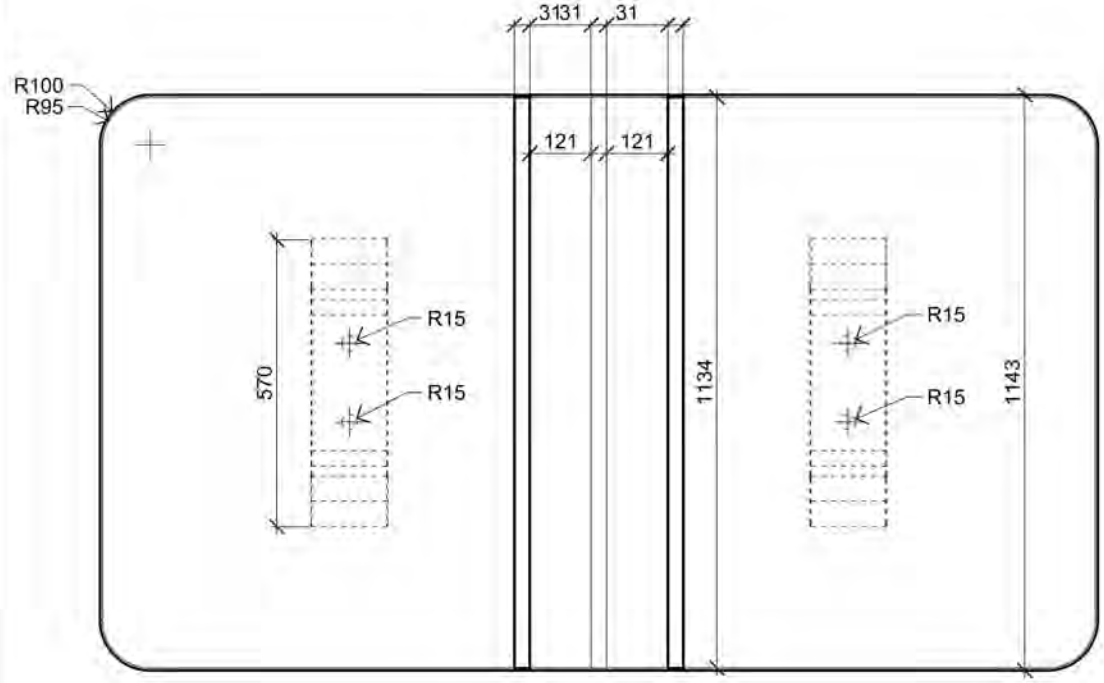
- **Table:** Best 6 seater Dining Table is always 72-78” in length, 36-40” wide and 30-32” in height. This size allows enough room for each person to have adequate space to dine comfortably and allows for additional serving dishes to be placed on the table.
- **Chair:** The average seat height ranges from 16-22 inches. The average seat width is 15.5 inches in the back and 18 inches in the front. The average depth of the seat is 16-18 inches, Hand rest height can range from 25 to 30” from the floor. Backrest height of the chair should be 16-20” from the top surface of the cushion to highest point of the backrest. The angle of the backrest should range from 8-15 degrees.

Detailed Drawing



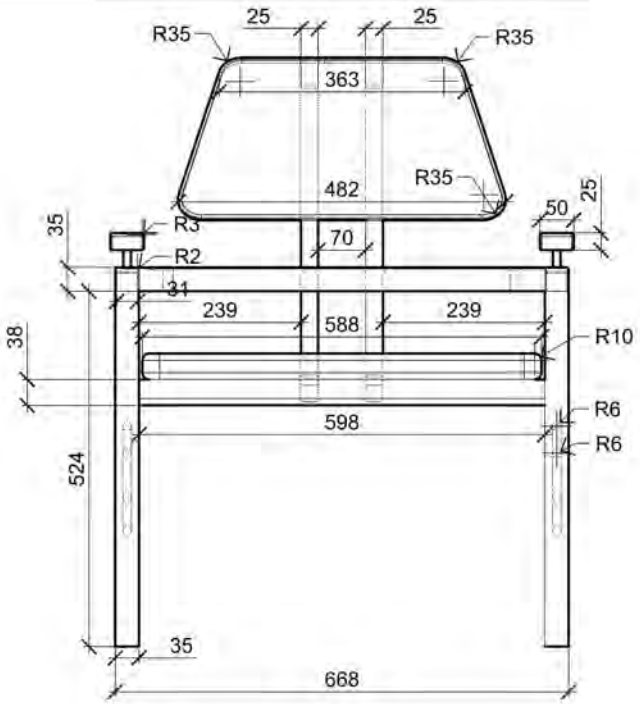


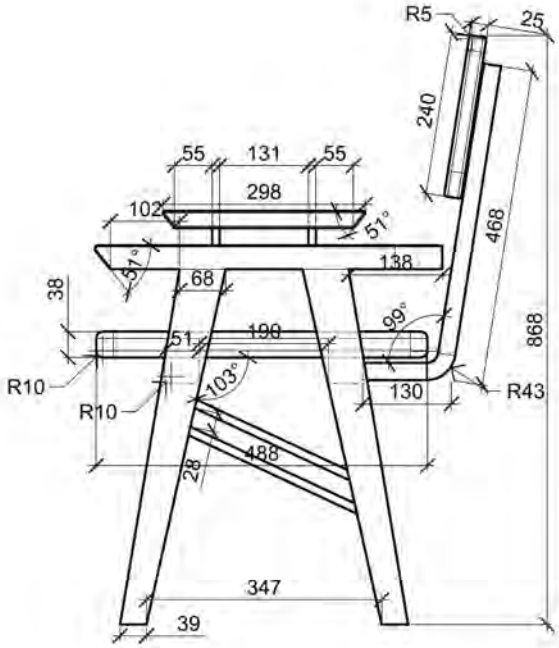


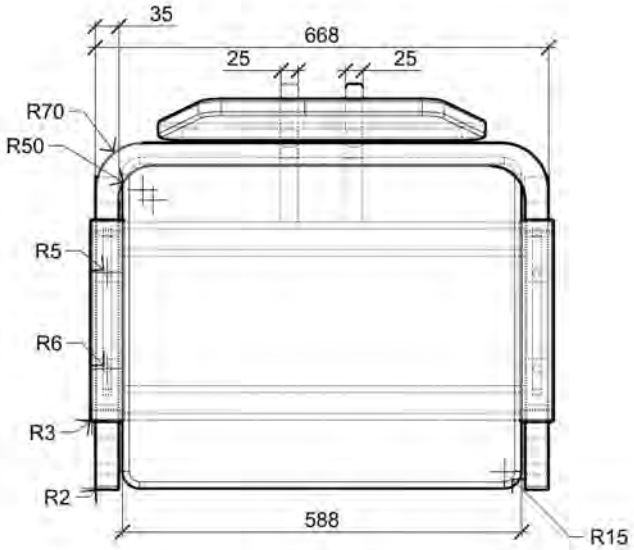


F3 FURNITURE -for- FUTURE

Project Title: Furniture Redesign	Sheet No. 1
Client : Alok Jain	
Content : Dining Table	
Material :Brass Brush Grain Finish Teak Wood with Glossy Top Coat	
	Date : 20-07-2024







F3 FURNITURE -for- FUTURE

Project Title: Furniture Redesign	Sheet No. 2
Client : Alok Jain	
Content : Dining Chair	
Material :Brass Brush Grain Finish Teak Wood with Glossy Top Coat	
	Date : 20-07-2024

Dining Table



Dining Chair



Dining Table Set



Crockery Cabinet Storage

Mood Board



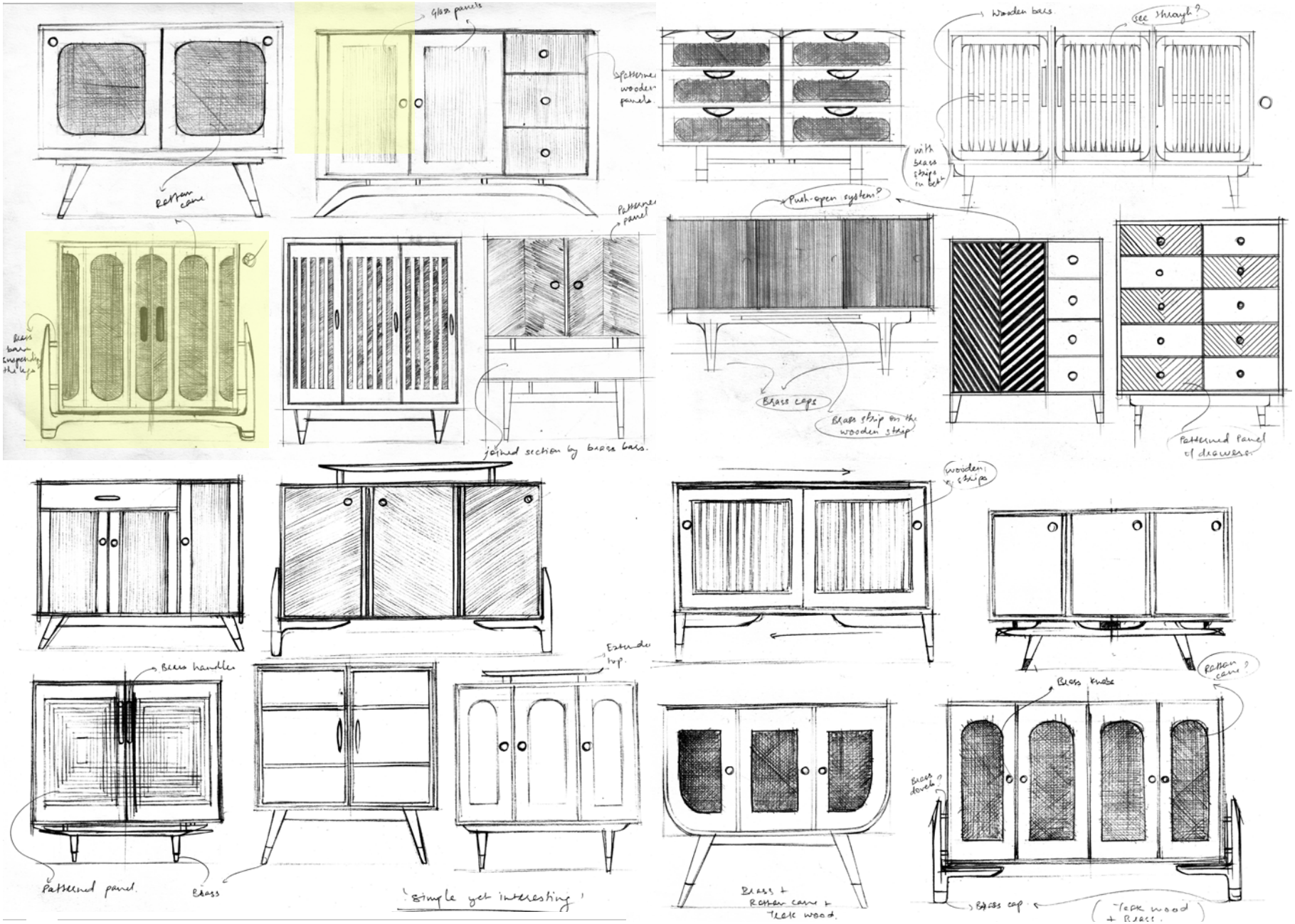








Ideation


Glass panels
Rattan cane
Wooden bars
See through?
with brass strips in between
Push-open system?
Brass caps
Brass strip on the wooden strip
Patterned panel of drawers
Brass handles
Patterned panel
Brass
'simple yet interesting'
Brass + Rattan cane + Teak wood
Brass knobs
Rattan cane?
Brass dowels?
Brass cap
Teak wood + Rattan

Specifications:

Essential features included:

- **Safety:** Designing concepts which have soft designs, curved edges and rounded corners.
- **Strength:** Strong and sturdy build.
- **Transparency:** To showcase the crockery
- **Similarity:** The furnitures in the apartment should show connectedness, same design flow.

Materials Used and Manufacturing:

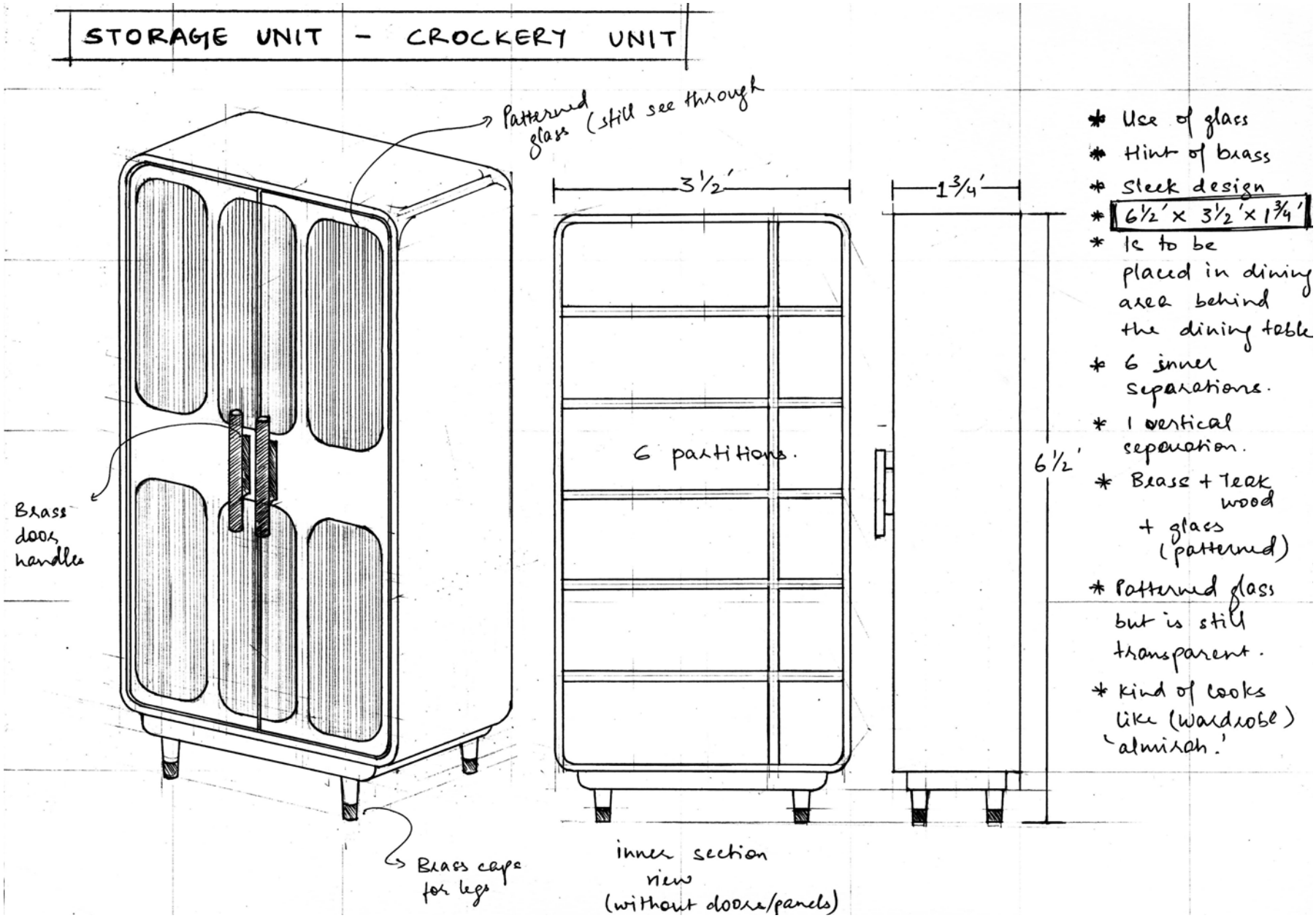
- **Brass:** Warm feeling.
- **Teak Wood:** Traditional and authentic experience.
- **Sandwiched Textured Glass:** Partial Transparency, creates suspense.
- All wooden joints are dowel joints.
- Brass caps are joined by using either CA Glue or Epoxy.
- Brass Handles are joined by 2-1/2" SS screws.

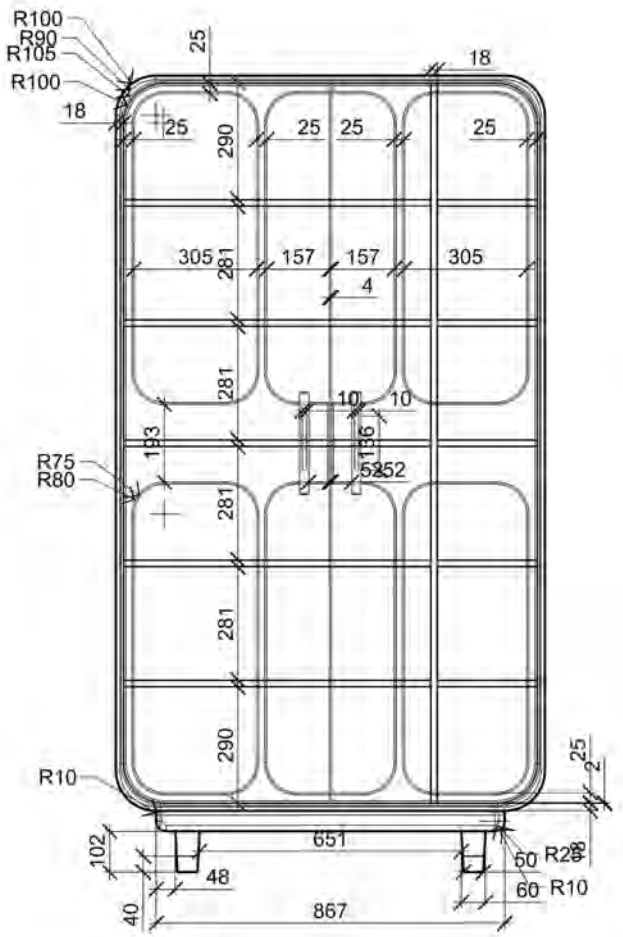
Together used to depict the timeless nature.

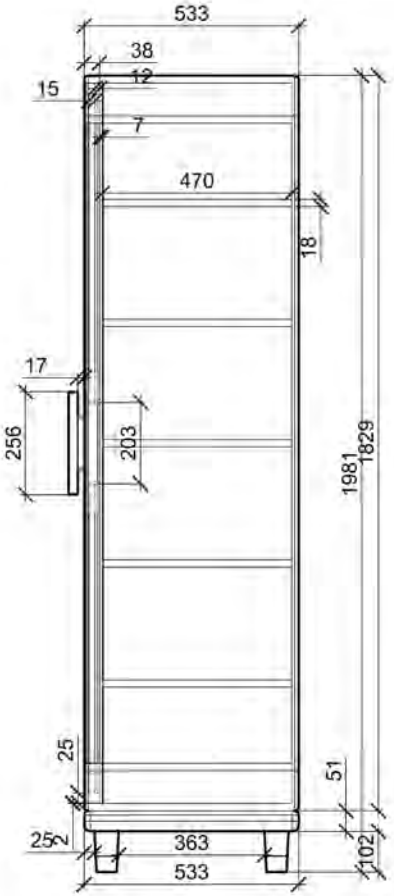
Ergonomics:

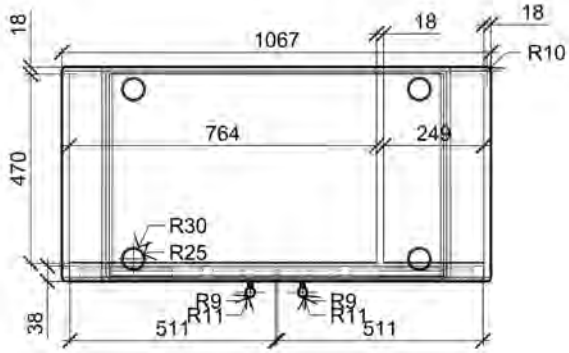
- **Crockery Cabinet:** Optimum utilization of space and ergonomics. This is a medium sized crockery unit. A medium-sized crockery unit can be around 5 to 6 feet in height, 3 feet in width, and 1.5 to 2 feet in depth. This size is suitable for storing a moderate number of crockery items and glassware in a larger dining area or kitchen.
- Easy Reachability, well divided storage is better to manage.

Detailed Drawing









F3 FURNITURE -for- FUTURE

Project Title: Furniture Redesign	Sheet No. 3
Client : Alok Jain	
Content : Crockery Display Unit	
Material :Brass Brush Grain Finish Teak Wood with Glossy Top Coat Sandwich Glass Pattern	
	Date : 20-07-2024

Crockery Cabinet Storage



Regular Seating Area

Goals and Objectives:

- Low-Seating Setting
- Height of the other furniture pieces according to the low-seating setting
- Similarity within the storage units.

Furniture Pieces:

- Jhula
- TV Cabinet/TV Console
- 2-3 Seater Sofa
- Coffee Table

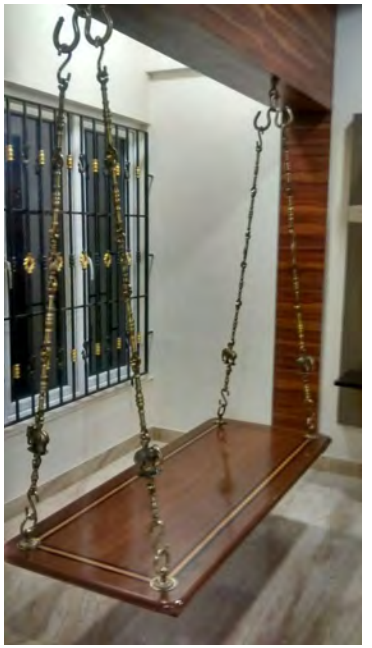
Jhula

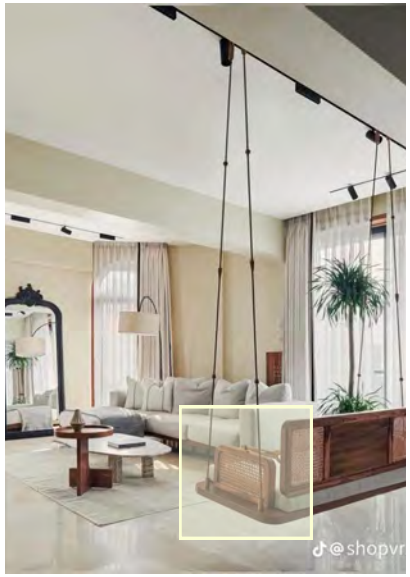
Mood Board



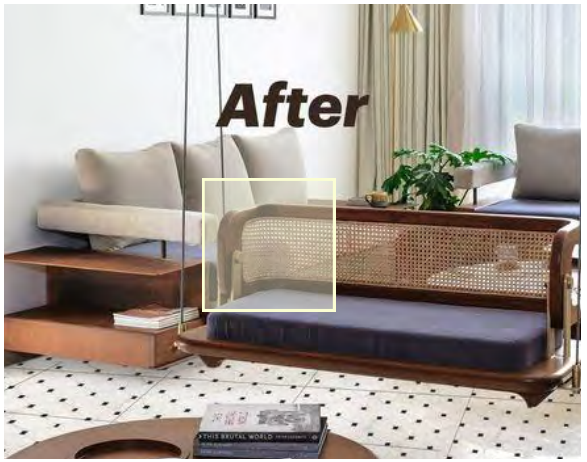




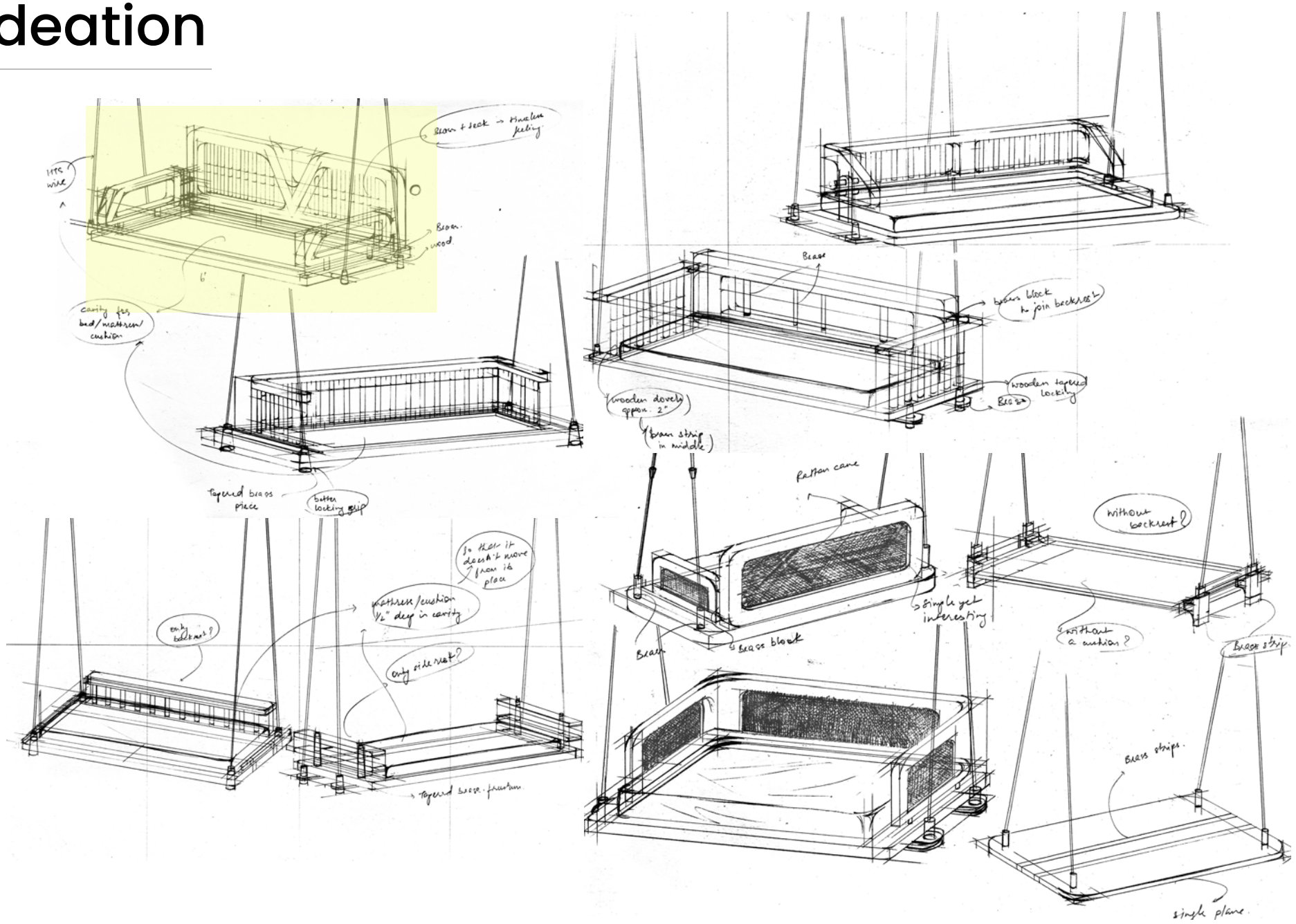








Ideation


cavity for bed/mattress/cushion
tapered brass piece
wooden dowels approx. 2"
brass strip in middle
brass block to join backrest
wooden tapered locking
rattan cane
brass block
without backrest?
without a cushion?
brass strip
brass strips
single plane
mattress/cushion ½" deep in cavity
only headrest?
only side rest?
tapered brass furniture

Specifications:

Essential features included:

- **Safety:** Designing concepts which have soft designs, curved edges and rounded corners.
- **Strength:** Strong and sturdy build.
- **Similarity:** The furnitures in the apartment should show connectedness, same design flow.

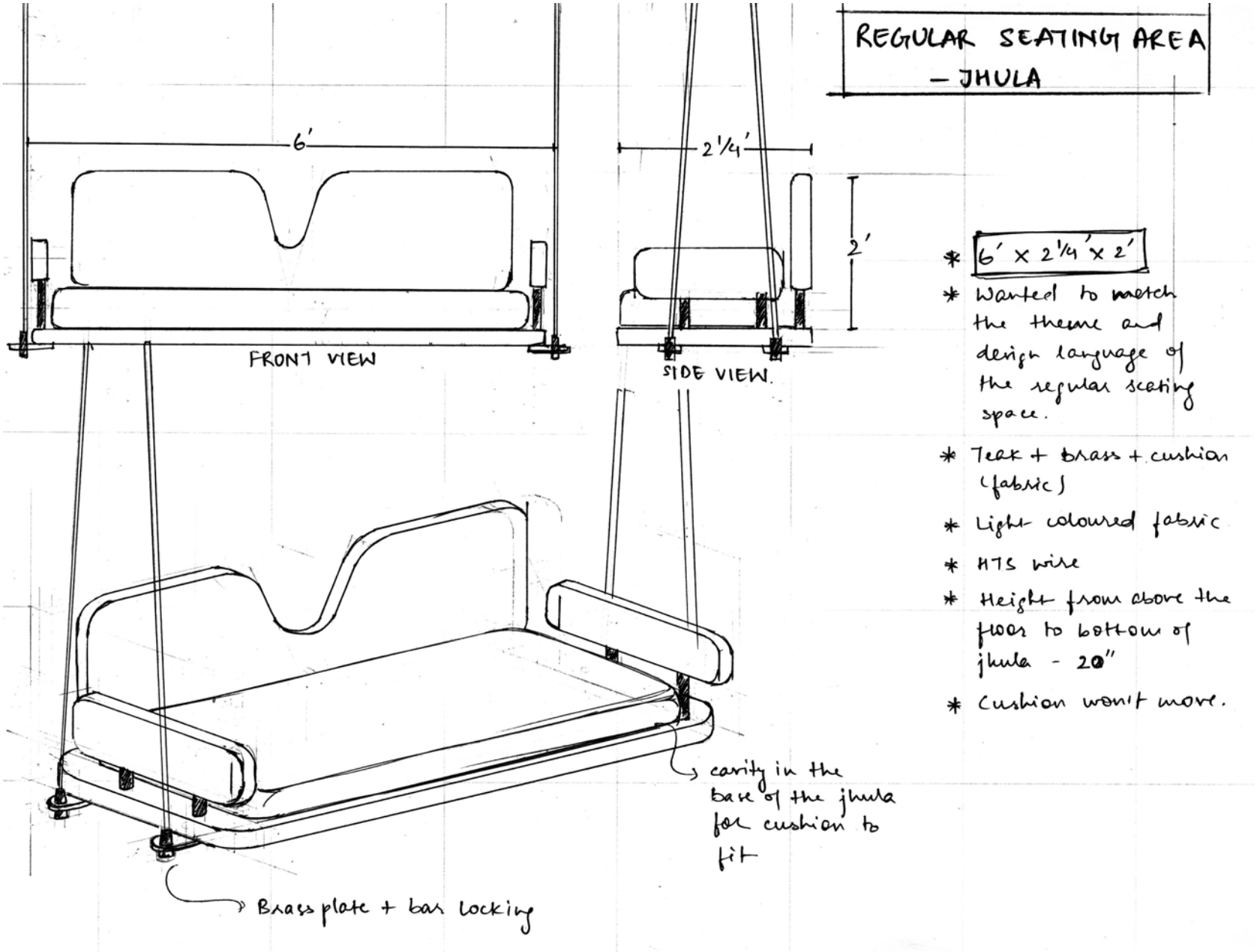
Materials Used and Manufacturing:

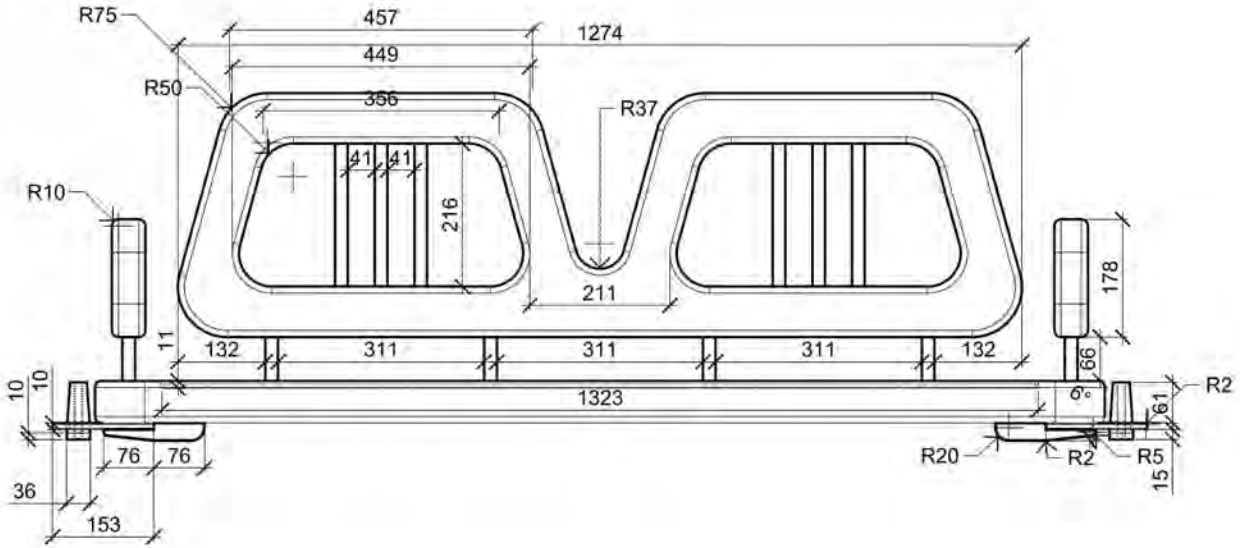
- **Brass:** Warm feeling.
- **Teak Wood:** Traditional and authentic experience.
- **Microfiber Fabric:** Durable and Best in humid weather condition.
- **HTS Wire:** Best for bearing heavy weights.
- All wooden joints are dowel joints.
- Brass Dowels are joined by using either CA Glue or Epoxy.
- Brass tapered block locking system.

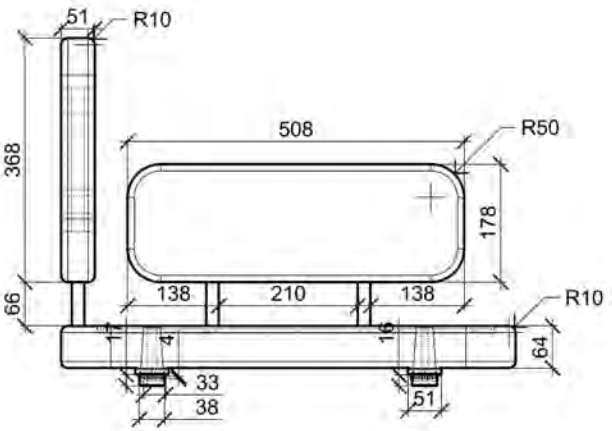
Ergonomics:

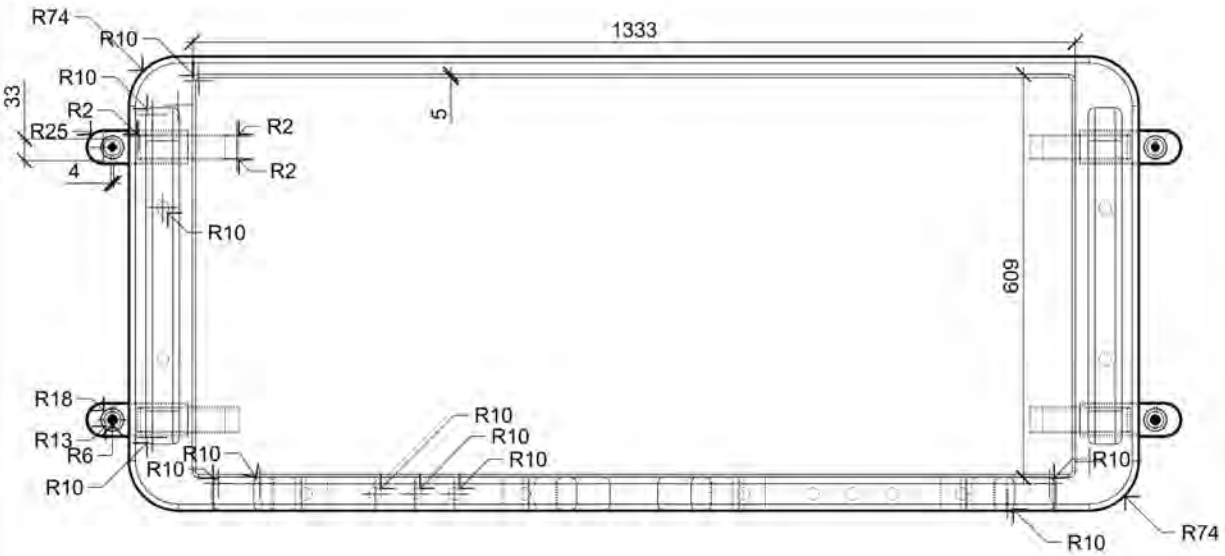
- **Jhula:** The average size indoor swing is between 5 and 6 feet in length, which comfortably seats 2 to 3 people. Seat depth varies widely, from 18 to 36 inches. Anything less than 18 inches deep is generally considered too narrow to be comfortable. The jhula height from the floor should be atleast 2-1/2′ but in a low-seating setting, it can range from 1-1/2′ to 2′.
- **Fabric:** Microfiber isn't just durable, but it's also very comfortable. Known for its soft, suede-like feel, it breathes well, making it a great choice for warmer, humid climates.

Detailed Drawing









FURNITURE -for- FUTURE

Project Title: Furniture Redesign	Sheet No. 4
Client : Alok Jain	
Content : Wooden Jhula	
Material :Brass Brush Grain Finish Teak Wood with Glossy Top Coat HTS Cable Suspenders SS Screws	
	Date : 20-07-2024

Jhula



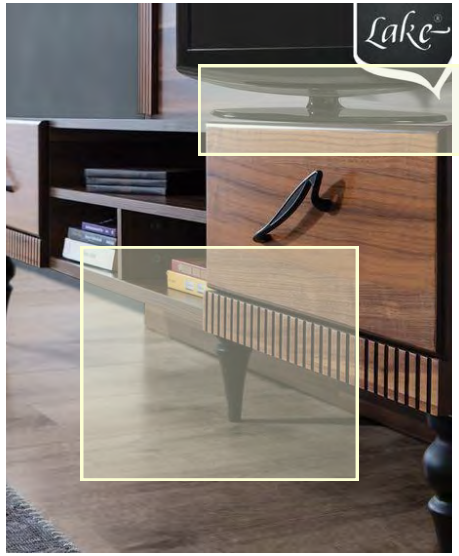
TV Cabinet Storage/Console

Mood Board





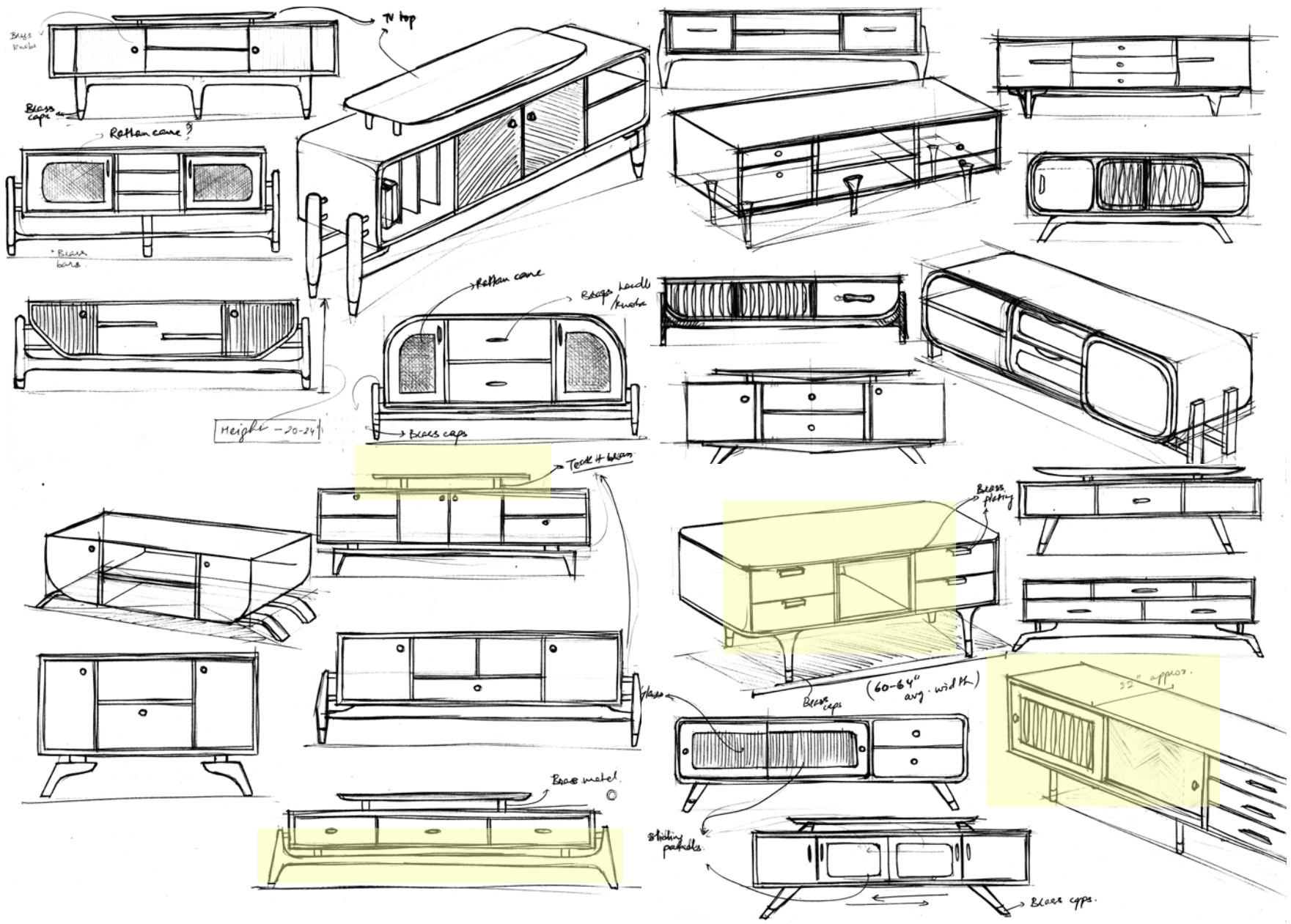








Ideation


Brass caps
Rattan cane
N top
Rattan cane
Brass caps
Height – 20-24"
Teak + brass
Brass plating
(60-64" avg. width)
Brass caps
Glass
Brass metal
Brass caps

Specifications:

Essential features included:

- **Safety:** Designing concepts which have soft designs, curved edges and rounded corners.
- **Strength:** Strong and sturdy build. Added middle leg to give extra support.
- **Island Top:** Elevated platform for TV/Monitors.
- **Similarity:** The furnitures in the apartment should show connectedness, same design flow.

Materials Used and Manufacturing:

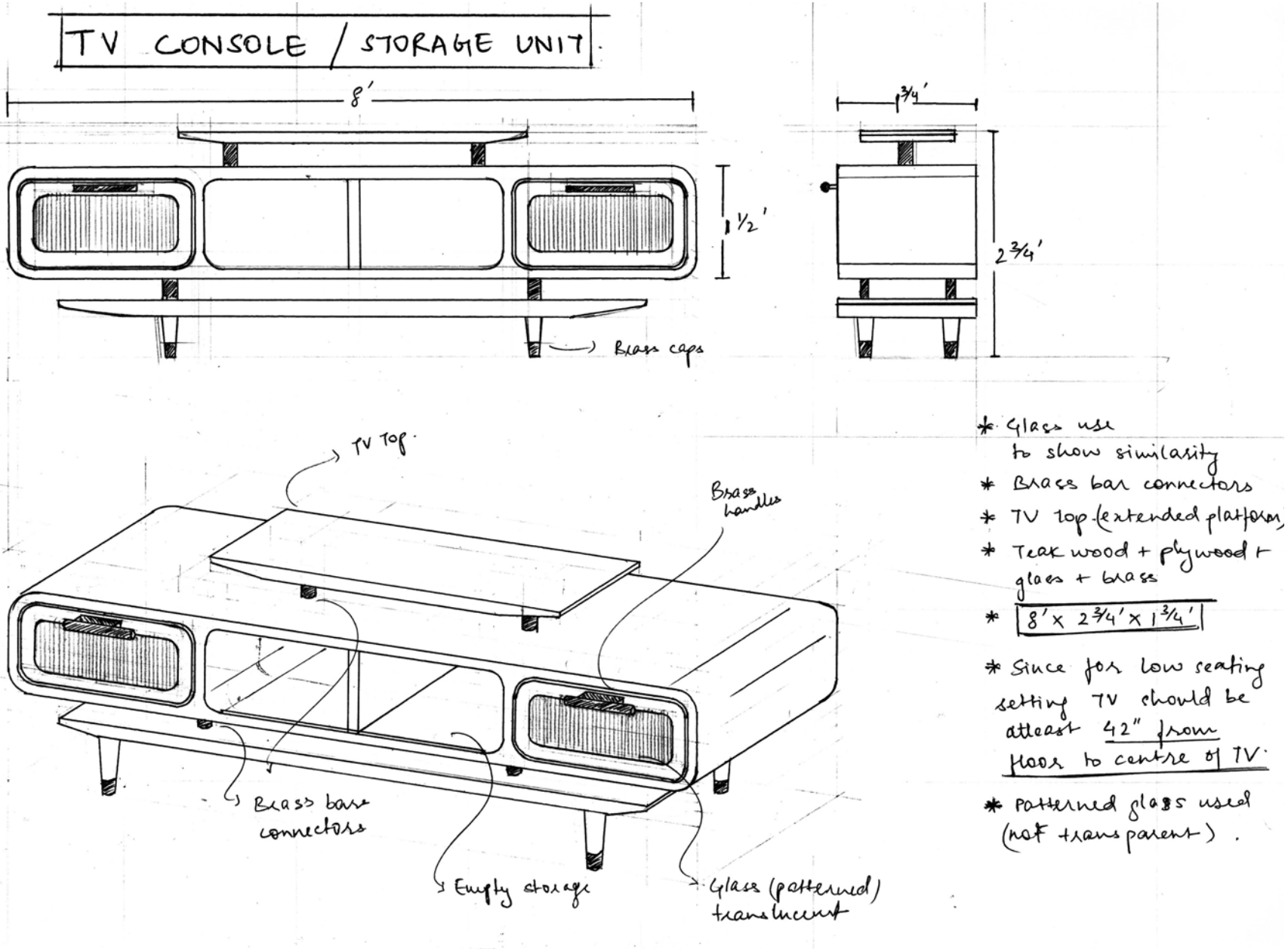
- **Brass:** Warm feeling.
- **Teak Wood:** Traditional and authentic experience.
- **Sandwiched Textured Glass:** Transparency but still private.
- All wooden joints are dowel joints.
- Brass Dowels are joined by using either CA Glue or Epoxy and Brass handles are joined by 2-1/2" SS Screws.

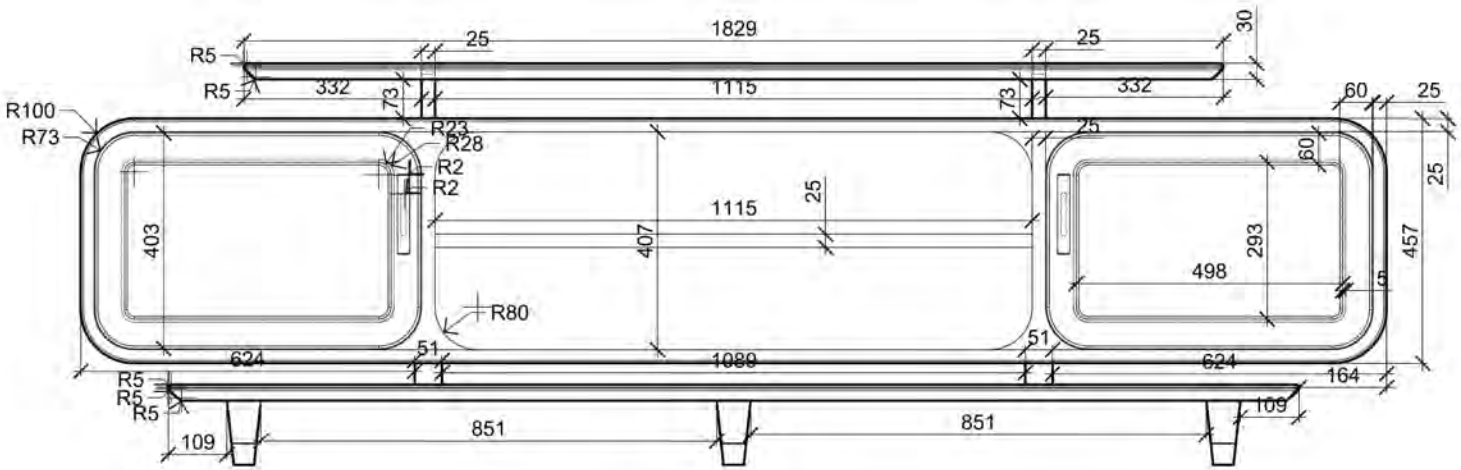
Together used to depict the timeless nature.

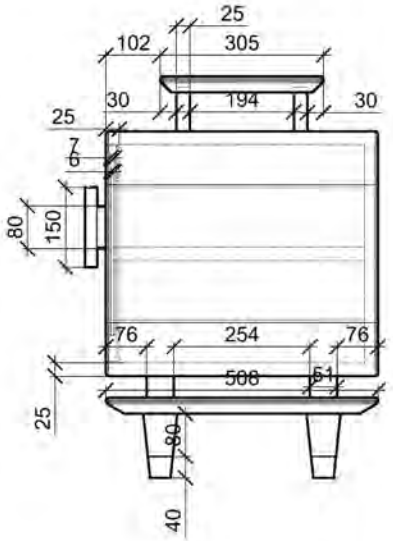
Ergonomics:

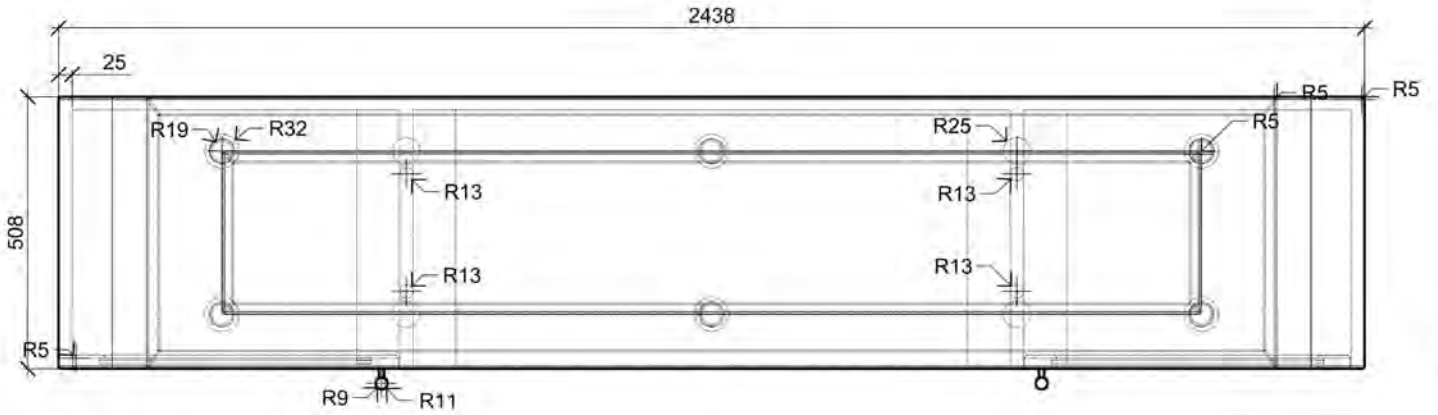
- **TV Console/Cabinet:** For the TV, a tv stand should be at least 60 to 64 inches wide though it can vary according to the clients needs. For a low-seating setting the TV unit should be of enough height that the TV is at eye level i.e 54 inches. The TV enclosure should have a depth of at least 22 inches and preferably more.
- If your TV console/unit is more wide then there should be a middle leg added in the structure.

Detailed Drawing









FURNITURE -for- FUTURE

Project Title: Furniture Redesign	Sheet No. 5
Client : Alok Jain	
Content : TV Cabinet	
Material :Brass Brush Grain Finish Teak Wood with Glossy Top Coat Sandwich Glass Pattern	
	Date : 20-07-2024

TV Cabinet Storage/Console



2-3 Seater Sofa

Mood Board



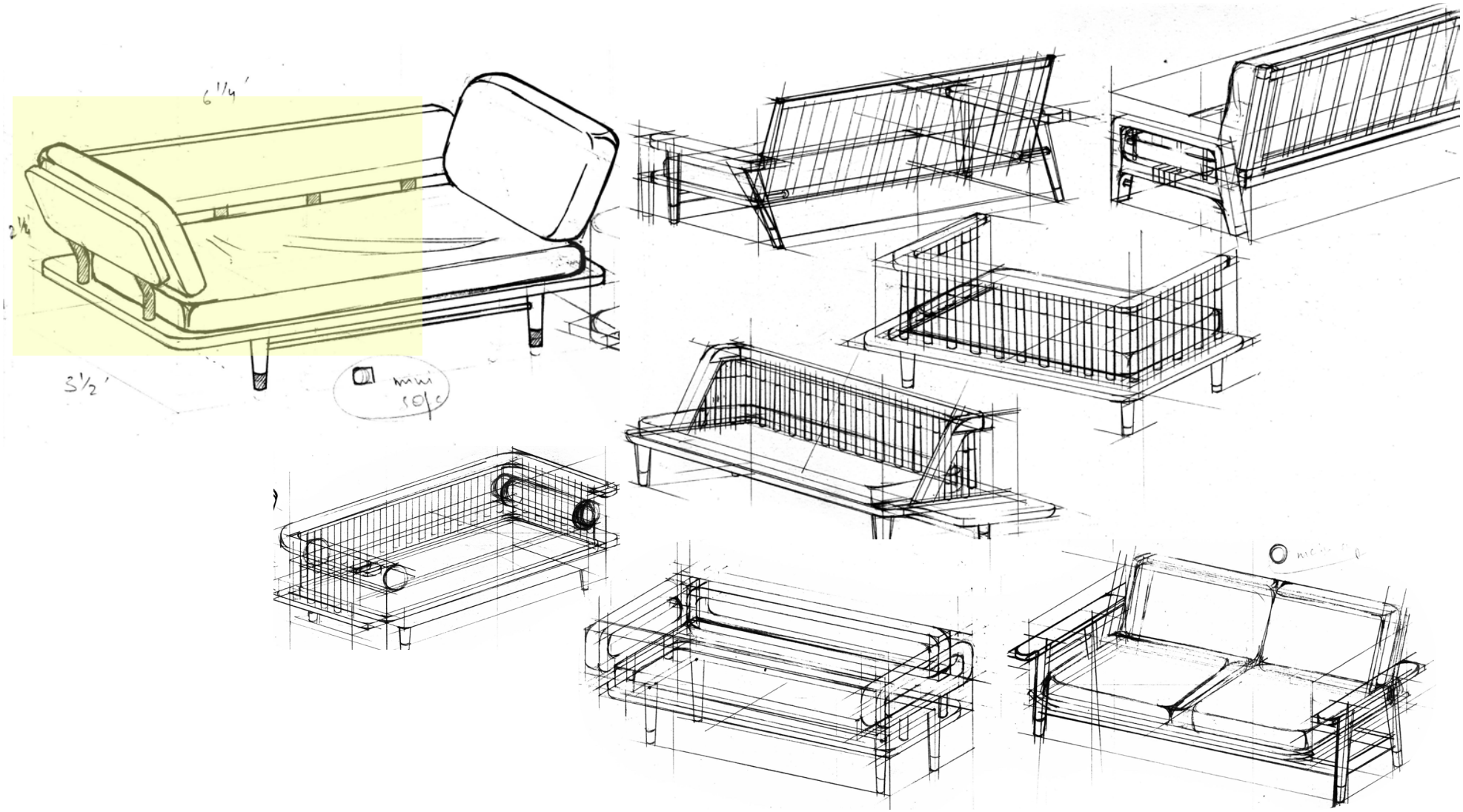








Ideation



Specifications:

Essential features included:

- **Safety:** Designing concepts which have soft designs, curved edges and rounded corners.
- **Strength:** Strong and sturdy build.
- **Low-Height Seating:** More comfortable sitting.
- **Similarity:** The furnitures in the apartment should show connectedness, same design flow.

Materials Used and Manufacturing:

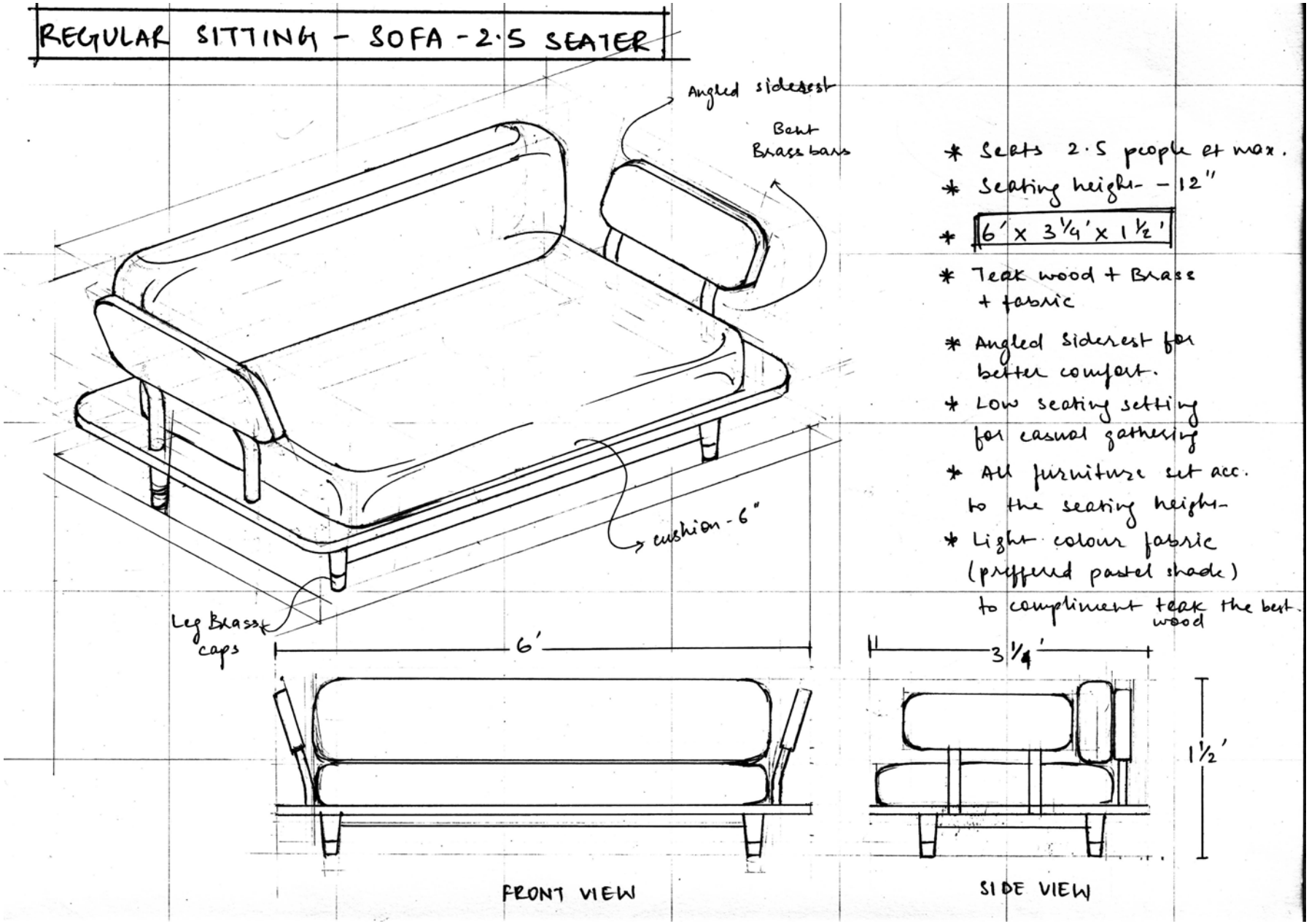
- **Brass:** Warm feeling.
- **Teak Wood:** Traditional and authentic experience.
- **Microfiber Fabric:** Durable and best for humid weather condition.
- All wooden joints are dowel joints.
- Brass Dowels and Brass leg caps are joined by using either CA Glue or Epoxy.

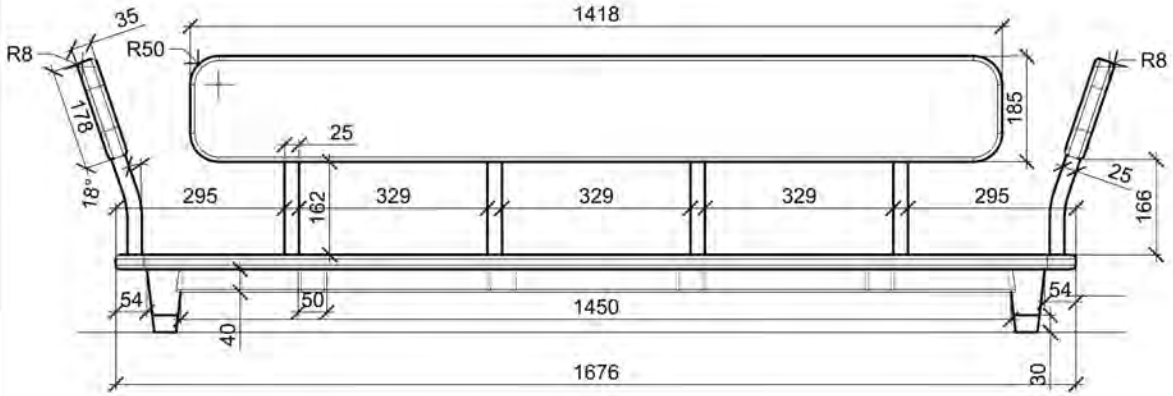
Together used to depict the timeless nature.

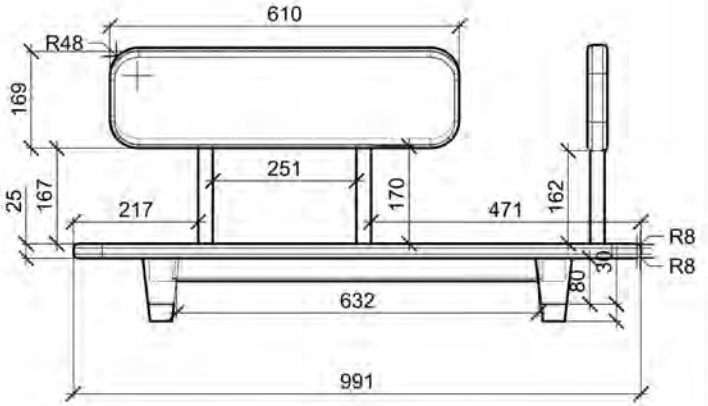
Ergonomics:

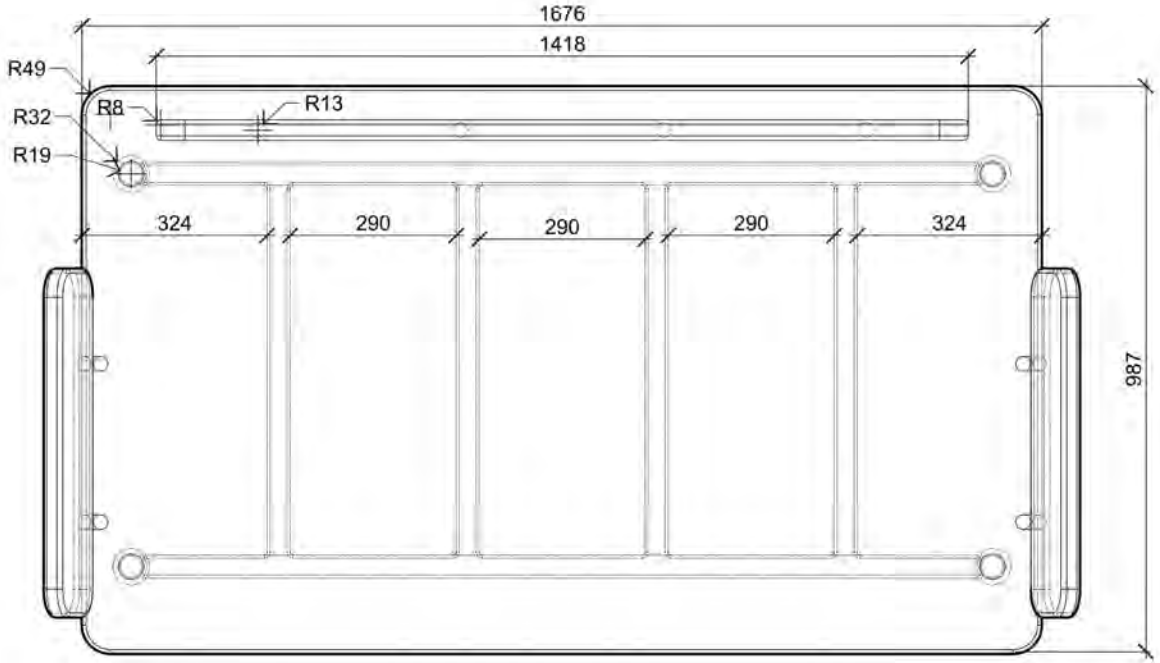
- **Low-height Sofa:** The low 2.5-Seater Sofa has a seat height set in a range of 12” to 14” and an arm height of 19” to 21”. How long is a couch? Although couches can vary in size, the standard range is between 72”-96” (183-244 cm) for a three-seat sofa and 48”-72” (121-183 cm) for a loveseat.
- **Siderest Angles:** This bespoke sofa design has a 18 degrees bend to give more welcoming and comfortable feelinf when you sit on it.

Detailed Drawing









F3 FURNITURE -for- FUTURE

Project Title: Furniture Redesign	Sheet No. 6
Client : Alok Jain	
Content : Low Seating Sofa	
Material :Brass Brush Grain Finish Teak Wood with Glossy Top Coat	
	Date : 20-07-2024

2-3 Seater Sofa



Coffee Table

Mood Board



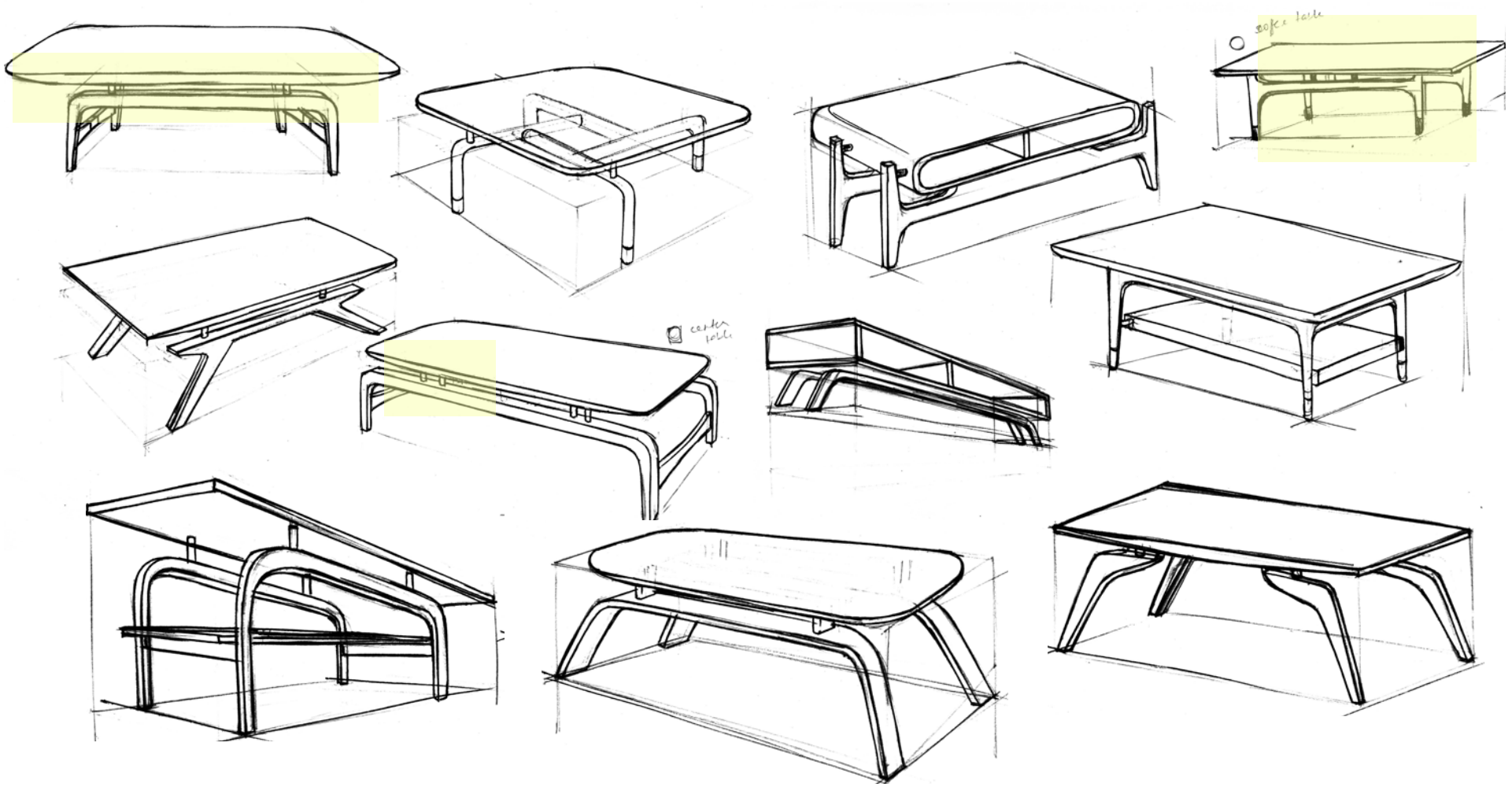








Ideation



Specifications:

Essential features included:

- **Safety:** Designing concepts which have soft designs, curved edges and rounded corners.
- **Strength:** Strong and sturdy build.
- **Similarity:** The furnitures in the apartment should show connectedness, same design flow.

Materials Used and Manufacturing:

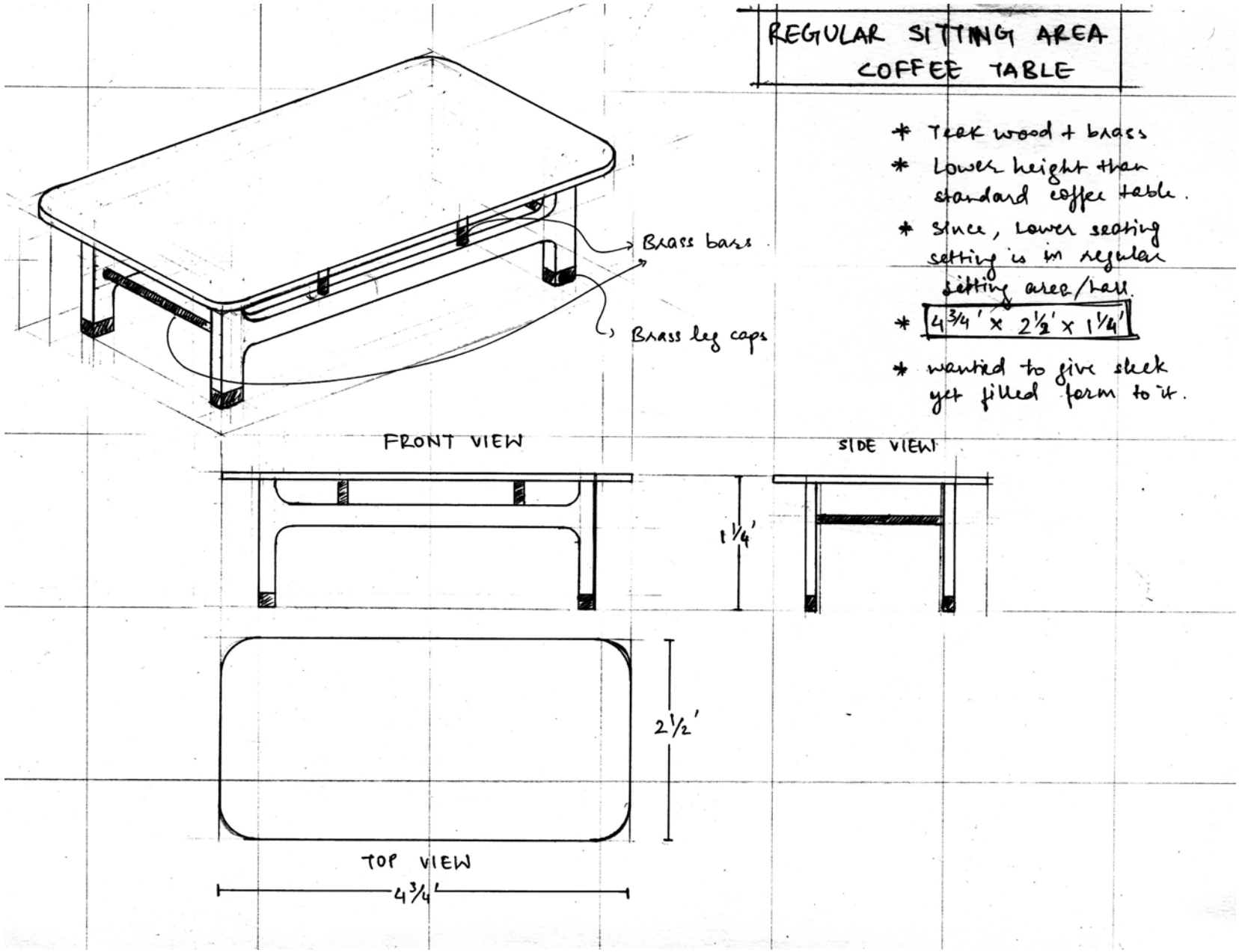
- **Brass:** Warm feeling.
- **Teak Wood:** Traditional and authentic experience.
- All wooden joints are dowel joints.
- Brass Dowels are joined by using either CA Glue or Epoxy.

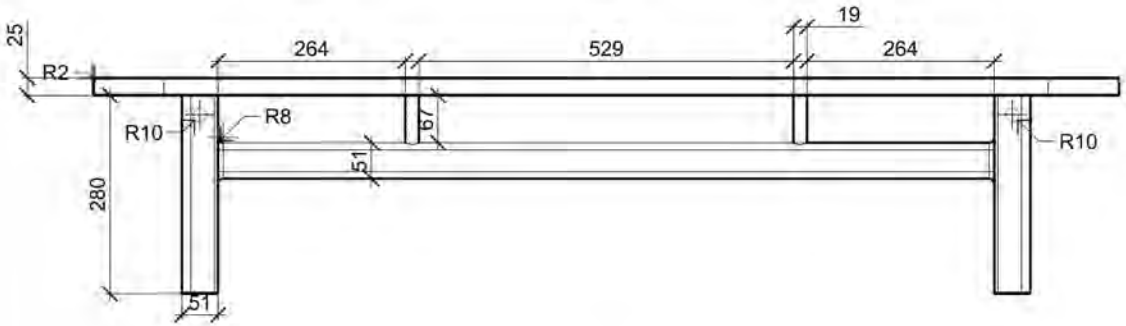
Together used to depict the timeless nature.

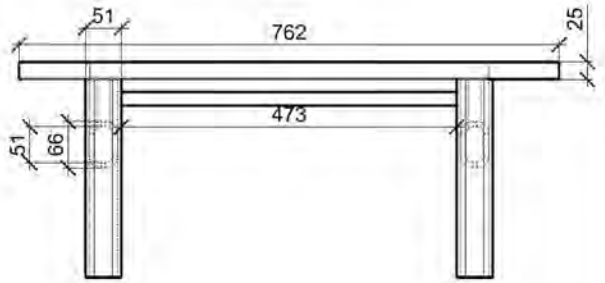
Ergonomics:

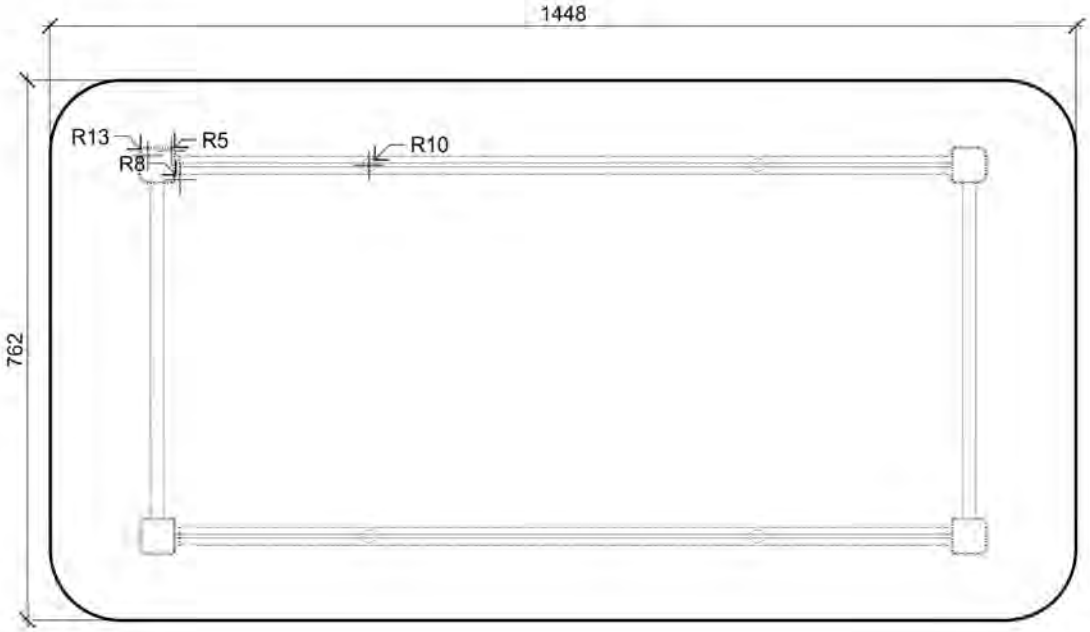
- **Coffee Table:** Since it a low height setting, the average height ranges from 12” to 14”, same as seat height of the sofa for a comfortable experience. Standard height for a coffee table is 16” and can range from 30” to 42” in width.

Detailed Drawing









F3 FURNITURE -for- FUTURE

Project Title: Furniture Redesign	Sheet No. 7
Client : Alok Jain	
Content : Coffee Table	
Material :Brass Brush Grain Finish Teak Wood with Glossy Top Coat	
	Date : 20-07-2024

Coffee Table



Living Room

Goals and Objectives:

- Spacious
- No Dead Space
- Sturdy, Bold & Minimal.
- Similarity with other furniture in the apartment.

Furniture Pieces:

- Center Table
- Side Table
- Sofa Set
- Storage Cabinet

Sofa Set

Mood Board





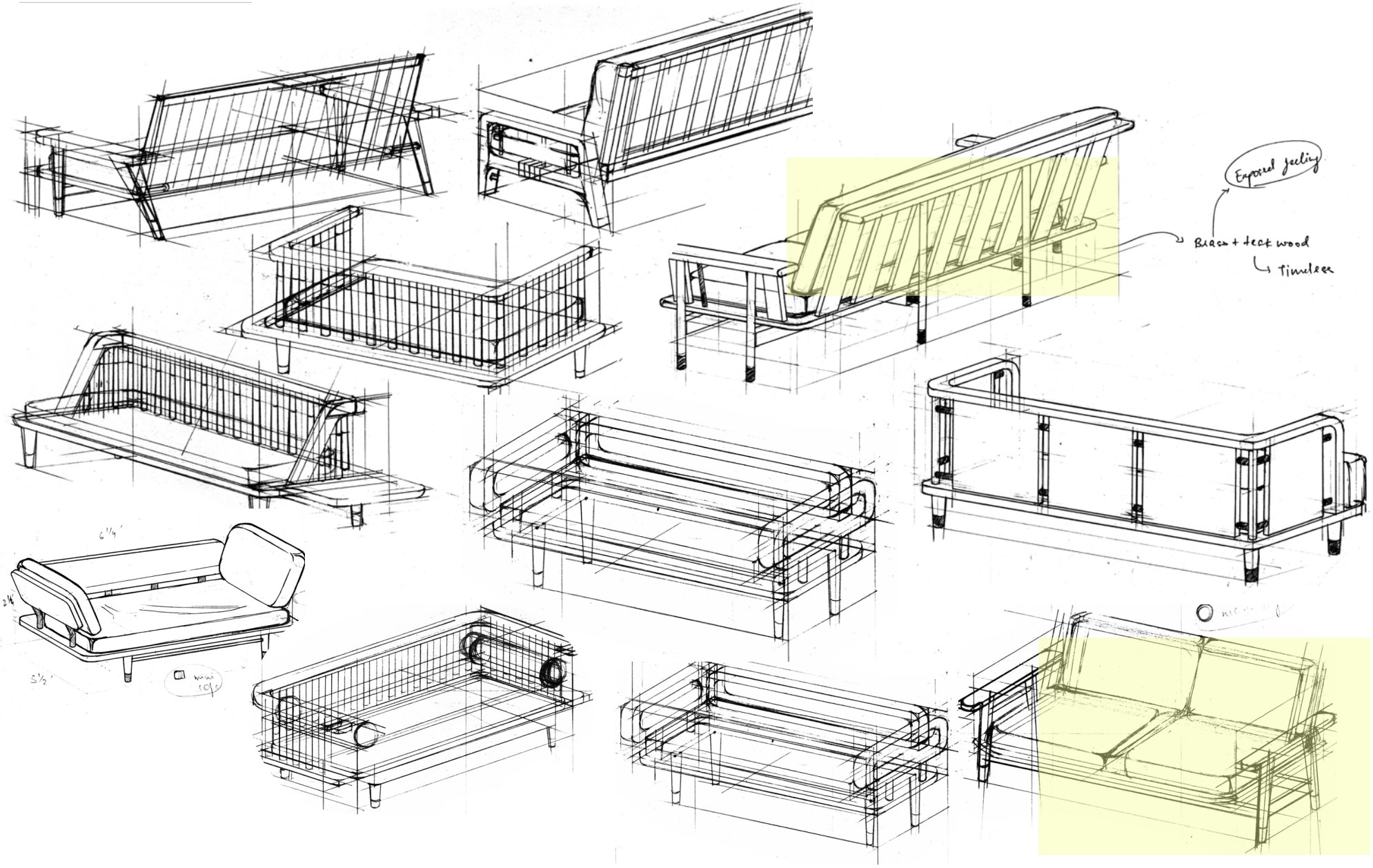








Ideation



Specifications:

Essential features included:

- **Safety:** Designing concepts which have soft designs, curved edges and rounded corners.
- **Strength:** Strong and sturdy build.
- **Similarity:** The furnitures in the apartment should show connectedness, same design flow.

Materials Used and Manufacturing:

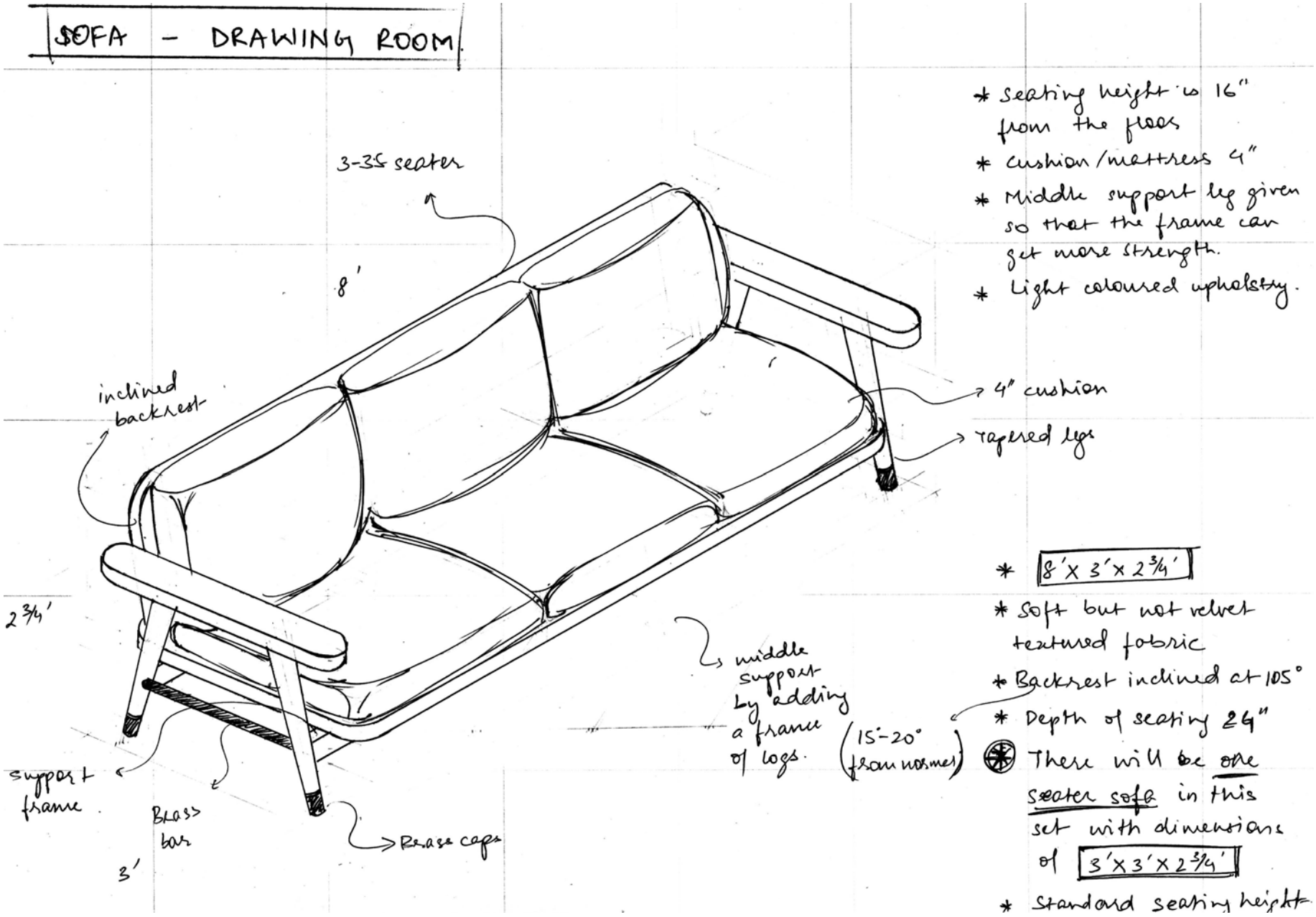
- **Brass:** Warm feeling.
- **Teak Wood:** Traditional and authentic experience.
- **Microfiber Fabric:** Durable and best in humid weather conditions.
- All wooden joints are dowel joints.
- Brass dowels and leg caps are joined by using either CA Glue or Epoxy.

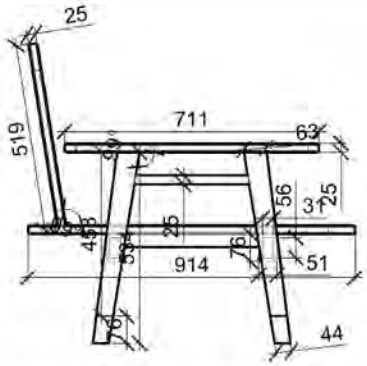
Together used to depict the timeless nature.

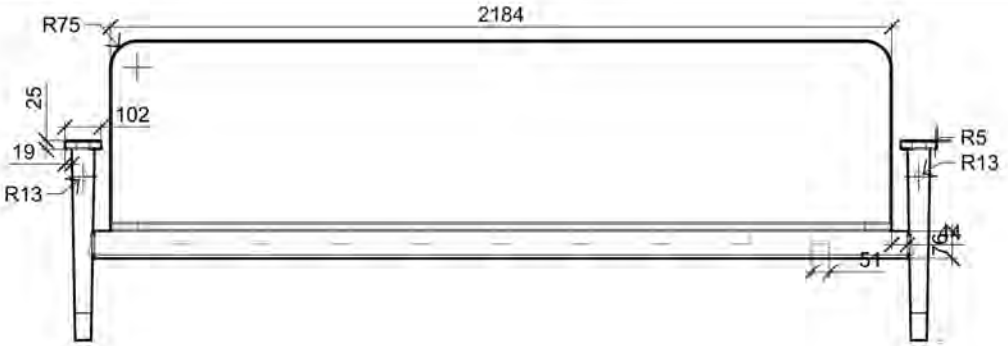
Ergonomics:

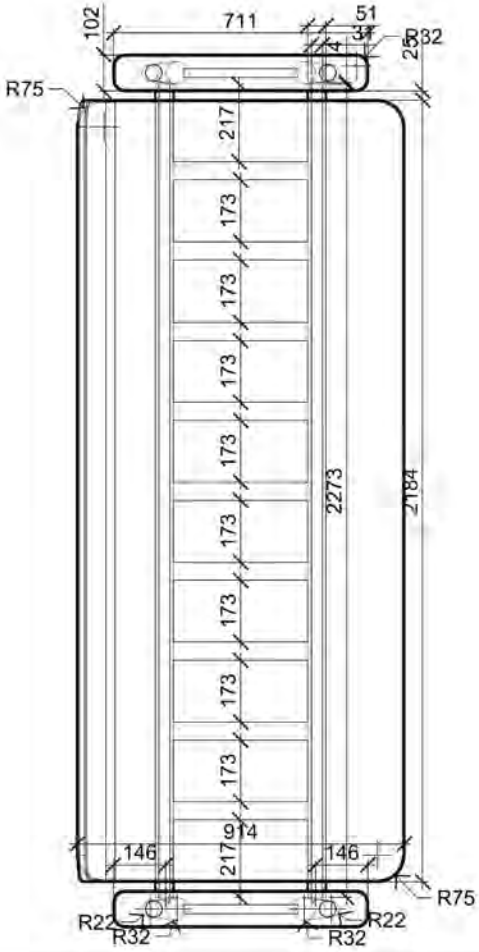
- **Sofa Set:** The standard range is between 72”-96” (183-244 cm) for a three-seat sofa width and 48”-72” (121-183 cm) for a loveseat. Hand rest height can range from 24” to 30”. And the seat height for a standard sofa can range from 16” to 18”, the overall standard height is 32” to 35”.

Detailed Drawing



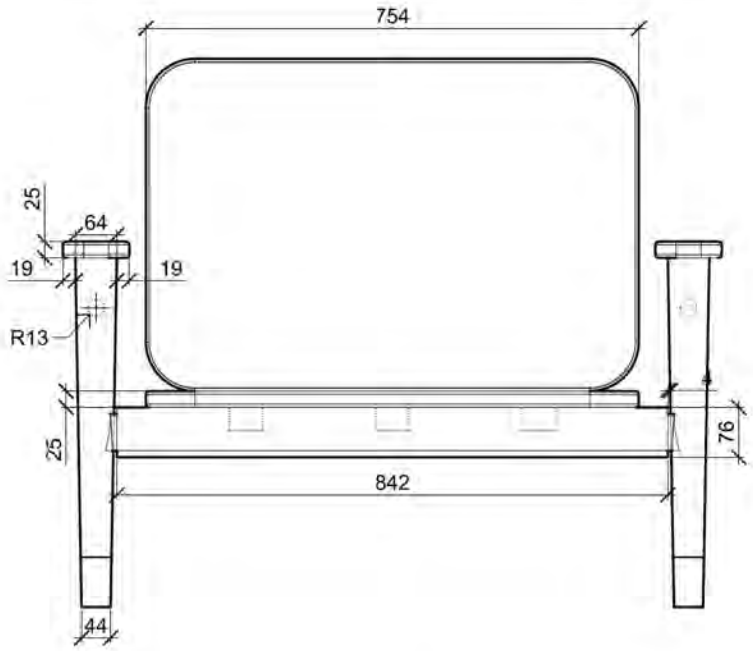


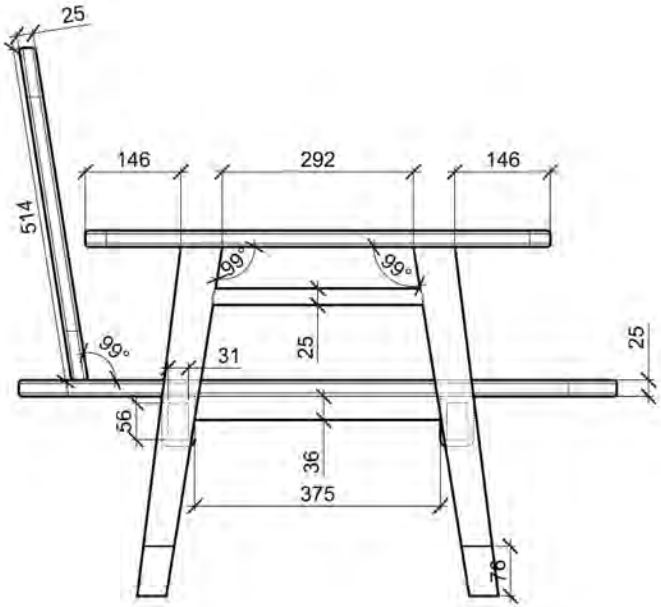


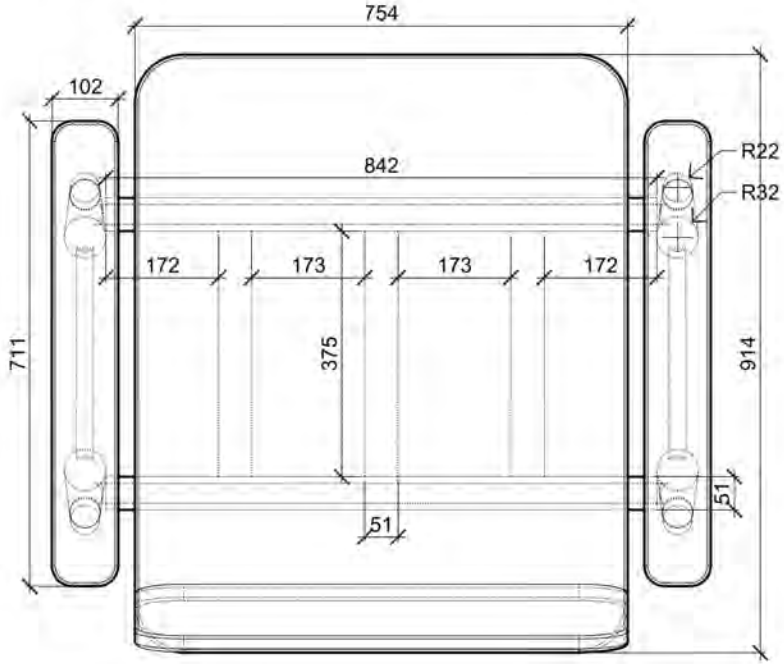


F3 FURNITURE -for- FUTURE

Project Title: Furniture Redesign	Sheet No. 8
Client : Alok Jain	
Content : Living Room Sofa	
Material :Brass Brush Grain Finish Teak Wood with Glossy Top Coat	
	Date : 20-07-2024







F3 FURNITURE -for- FUTURE

Project Title: Furniture Redesign	Sheet No. 9
Client : Alok Jain	
Content : Single Seater LR Sofa	
Material :Brass Brush Grain Finish Teak Wood with Glossy Top Coat	
Date : 20-07-2024	

3-4 Seater Sofa



Single Seater Sofa



Center Table

Mood Board



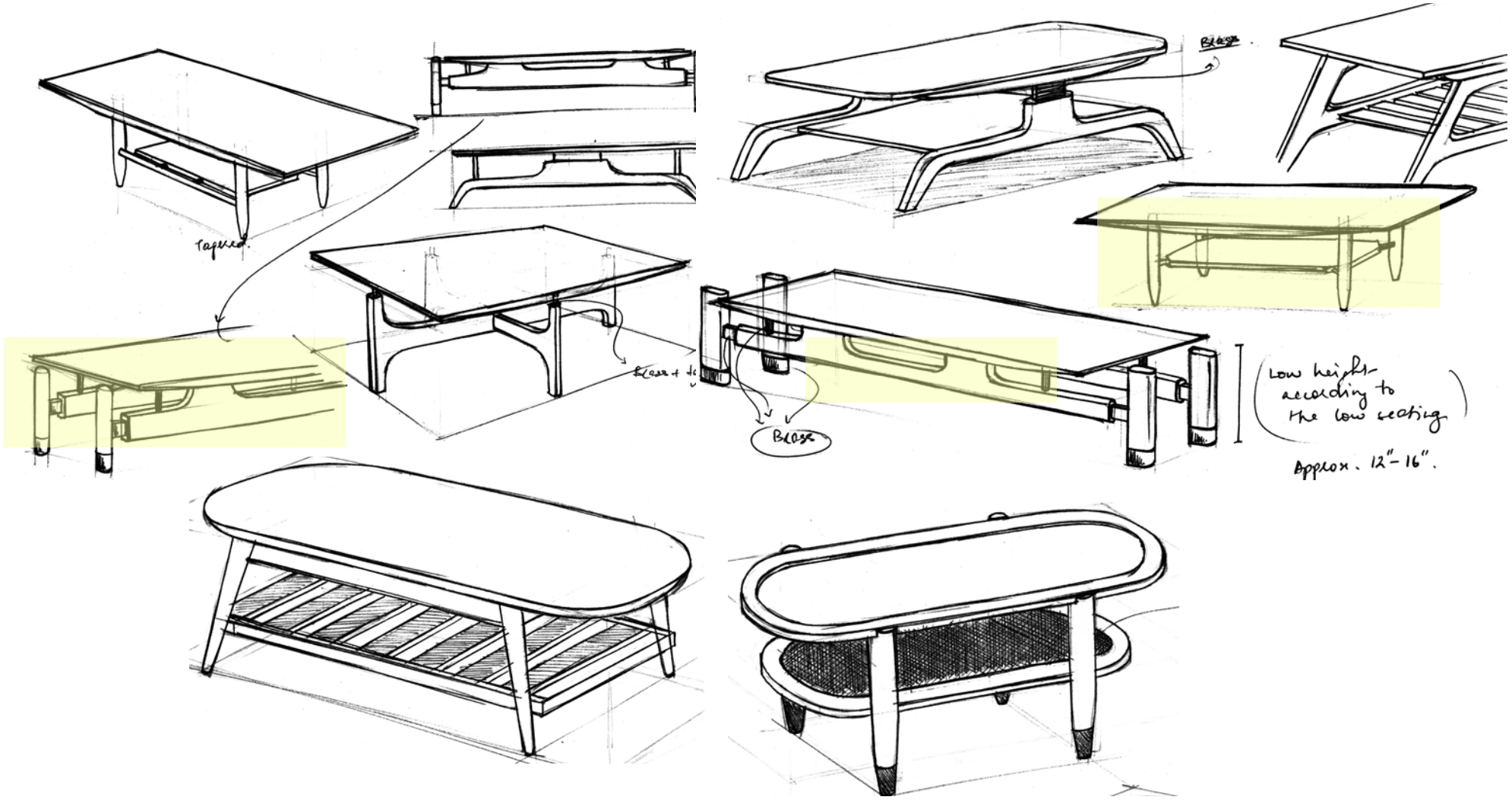








Ideation



Specifications:

Essential features included:

- **Safety:** Designing concepts which have soft designs, curved edges and rounded corners.
- **Strength:** Strong and sturdy build.
- **Similarity:** The furnitures in the apartment should show connectedness, same design flow.

Materials Used and Manufacturing:

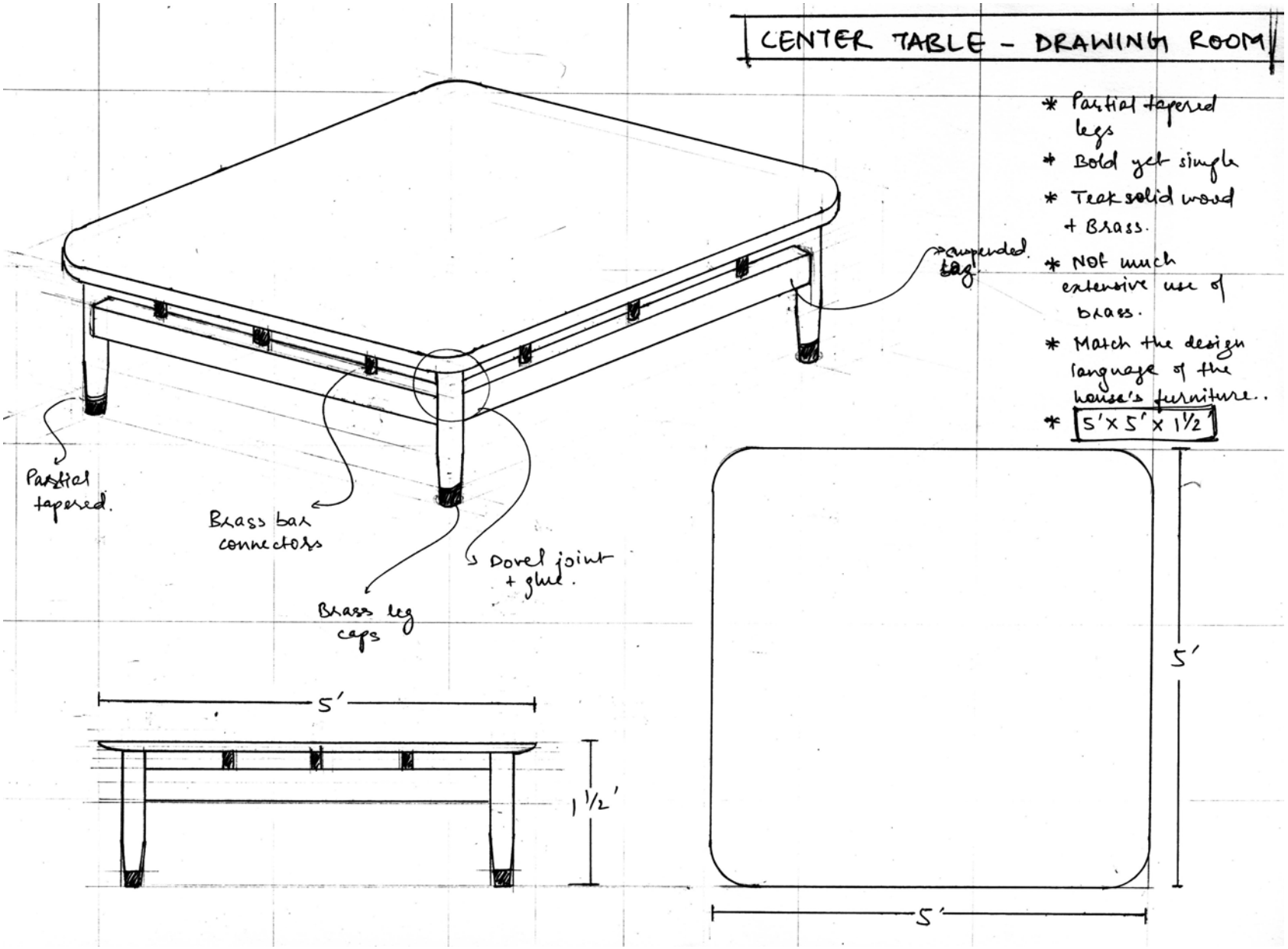
- **Brass:** Warm feeling.
- **Teak Wood:** Traditional and authentic experience.
- All wooden joints are dowel joints.
- Brass Dowels and Brass leg caps are joined by using either CA Glue or Epoxy.

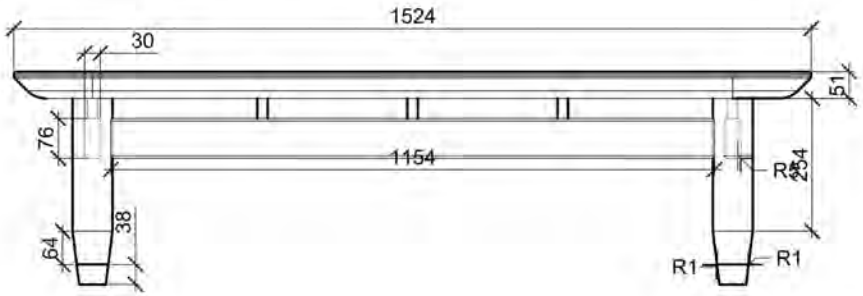
Together used to depict the timeless nature.

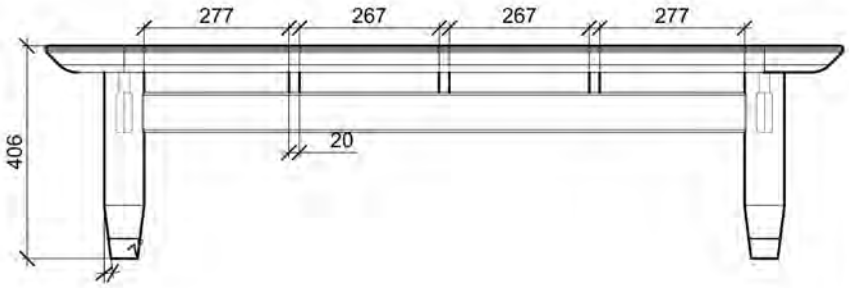
Ergonomics:

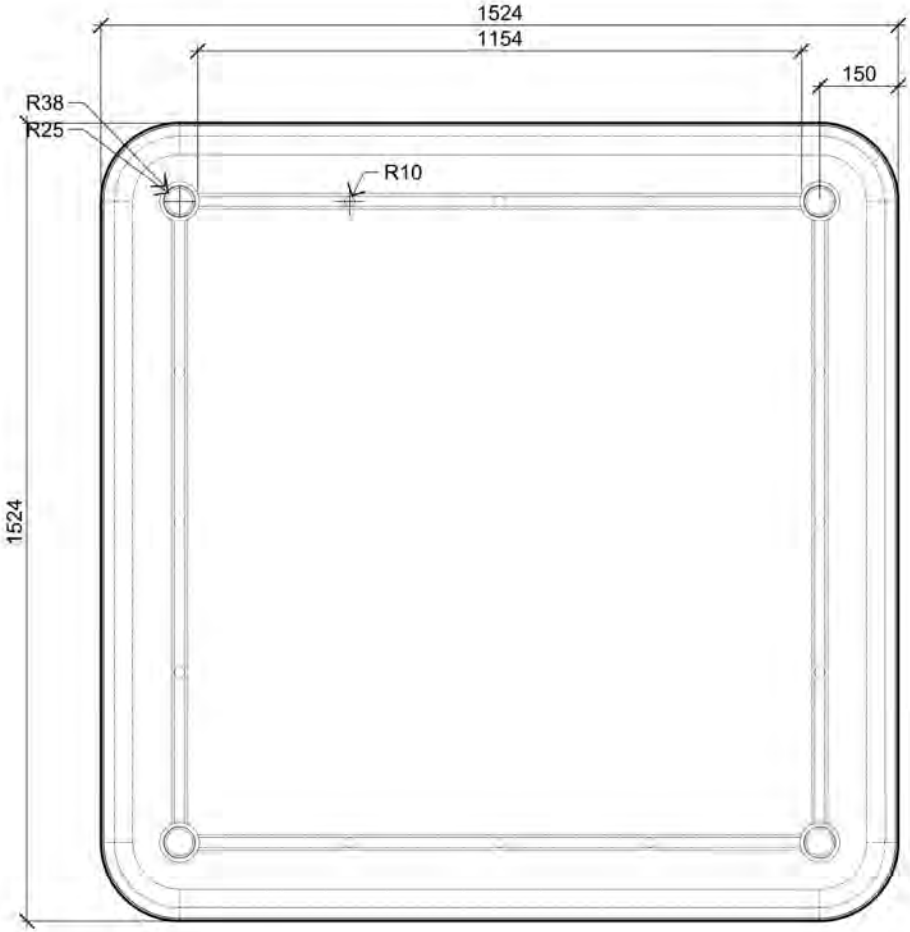
- **Center Table:** A center table in most Indian households has a standard size of 4.5 x 2 feet. However, you can alter these dimensions depending on the space available or your preferences. So for this household the client need was a square center table and the dimensions were 5′ x 5′. The height of the center table is standardized at 16″ or varying according to the sofa's seat height.

Detailed Drawing









F3 FURNITURE -for- FUTURE

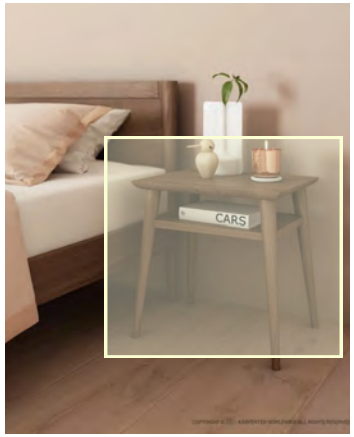
Project Title: Furniture Redesign	Sheet No. 10
Client : Alok Jain	
Content : Center Table	
Material :Brass Brush Grain Finish Teak Wood with Glossy Top Coat	
	Date : 20-07-2024

Center Table



Side Table

Mood Board

















Ideation



Specifications:

Essential features included:

- **Safety:** Designing concepts which have soft designs, curved edges and rounded corners.
- **Strength:** Strong and sturdy build.
- **Similarity:** The furnitures in the apartment should show connectedness, same design flow.

Materials Used and Manufacturing:

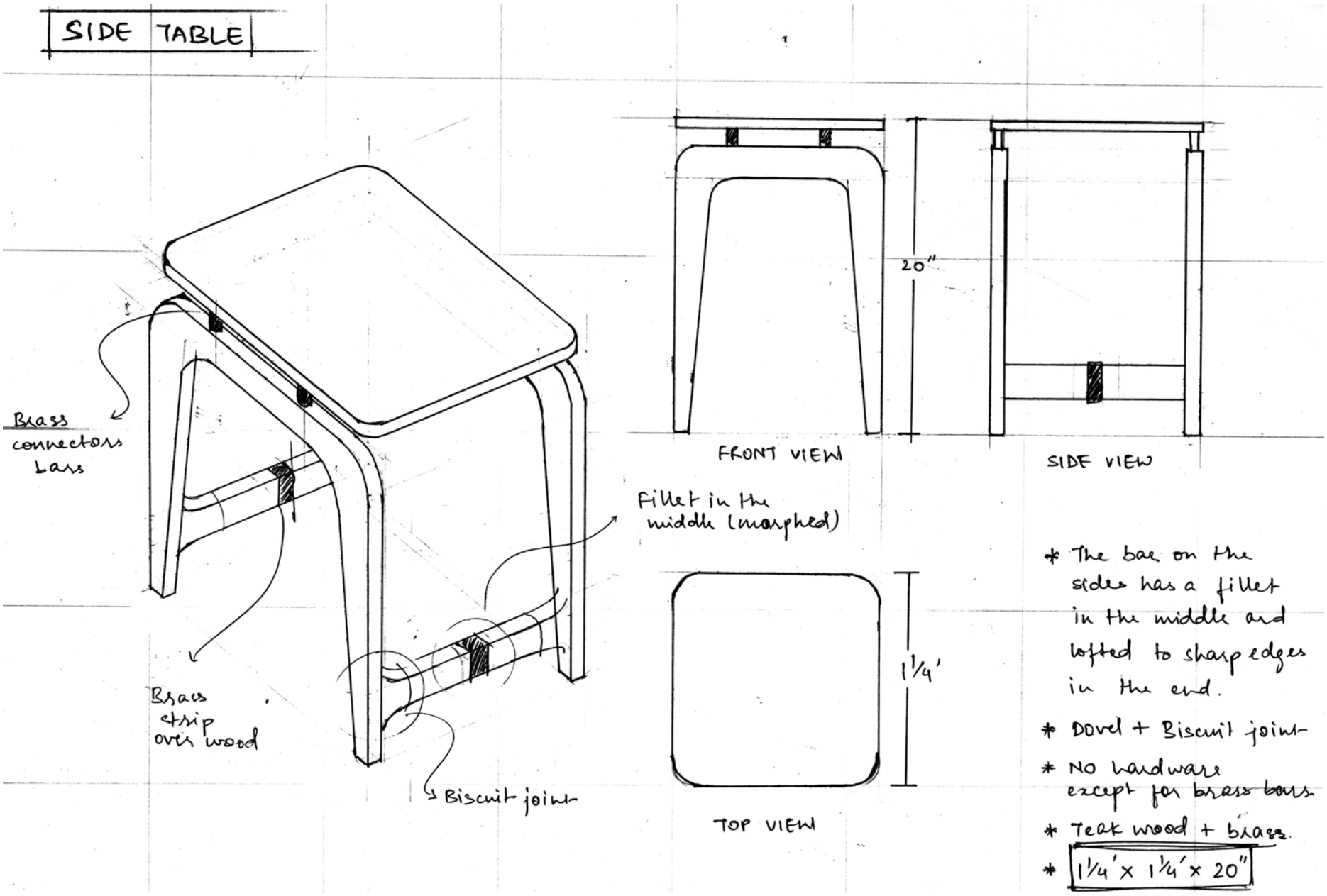
- **Brass:** Warm feeling.
- **Teak Wood:** Traditional and authentic experience.
- All wooden joints are dowel joints.
- Brass Dowels and Brass strip are joined by using either CA Glue or Epoxy.

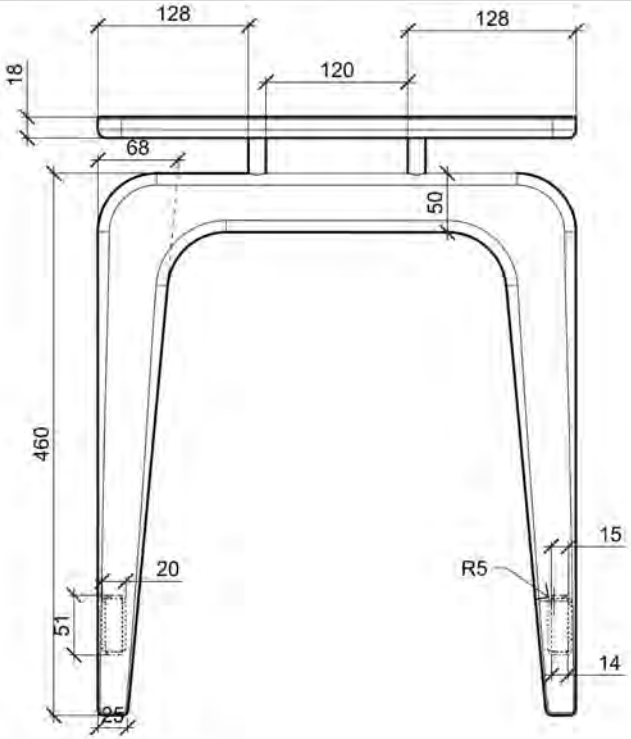
Together used to depict the timeless nature.

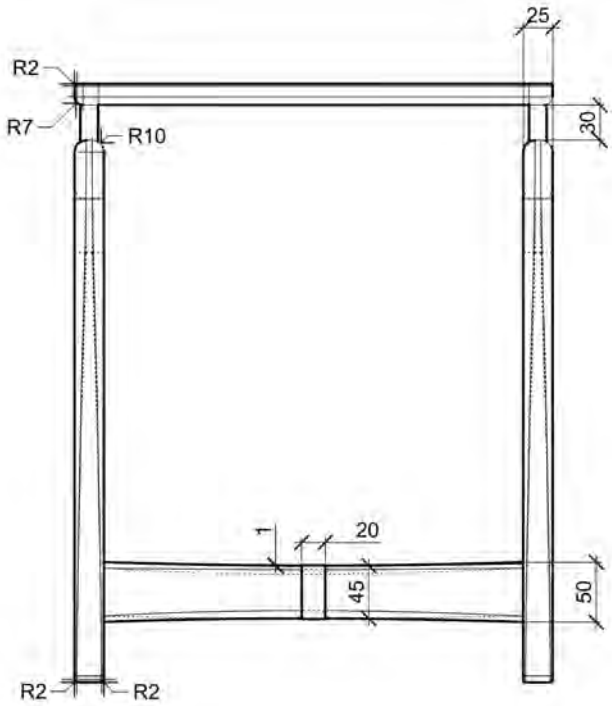
Ergonomics:

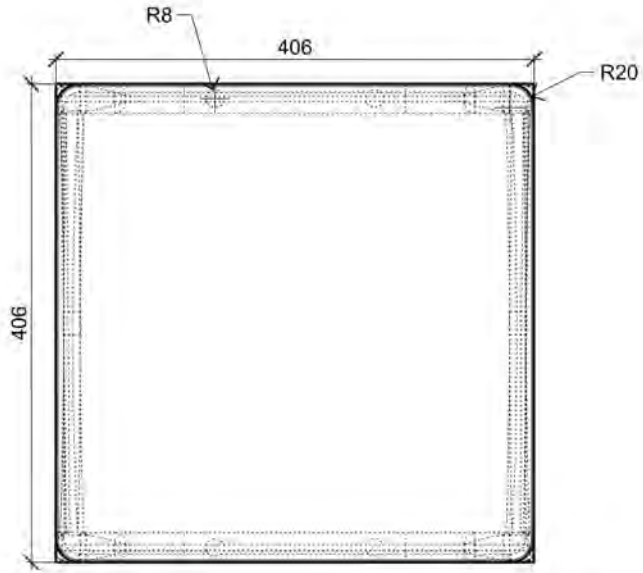
- **Side Table:** The standard dimensions of the side table are Length:- 450 mm (18 inches) , Breadth:- 450 mm (18 inches) , and Height:- 450 mm (18 inches). Generally the side table's height also depends on the height of the arm rest.
- Side tables have different use: to place books, as storage place etc. That's why the surface area for a side table is set/ designed more.

Detailed Drawing









F3 FURNITURE -for- FUTURE

Project Title: Furniture Redesign	Sheet No. 11
Client : Alok Jain	
Content : LR Side Table	
Material :Brass Brush Grain Finish Teak Wood with Glossy Top Coat	
	Date : 20-07-2024

Side Table



Storage Cabinet

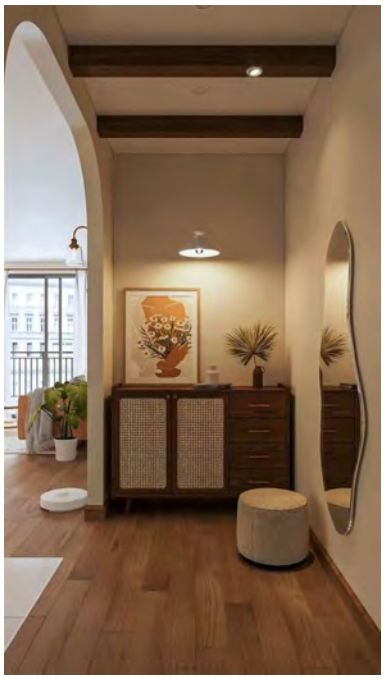
Mood Board





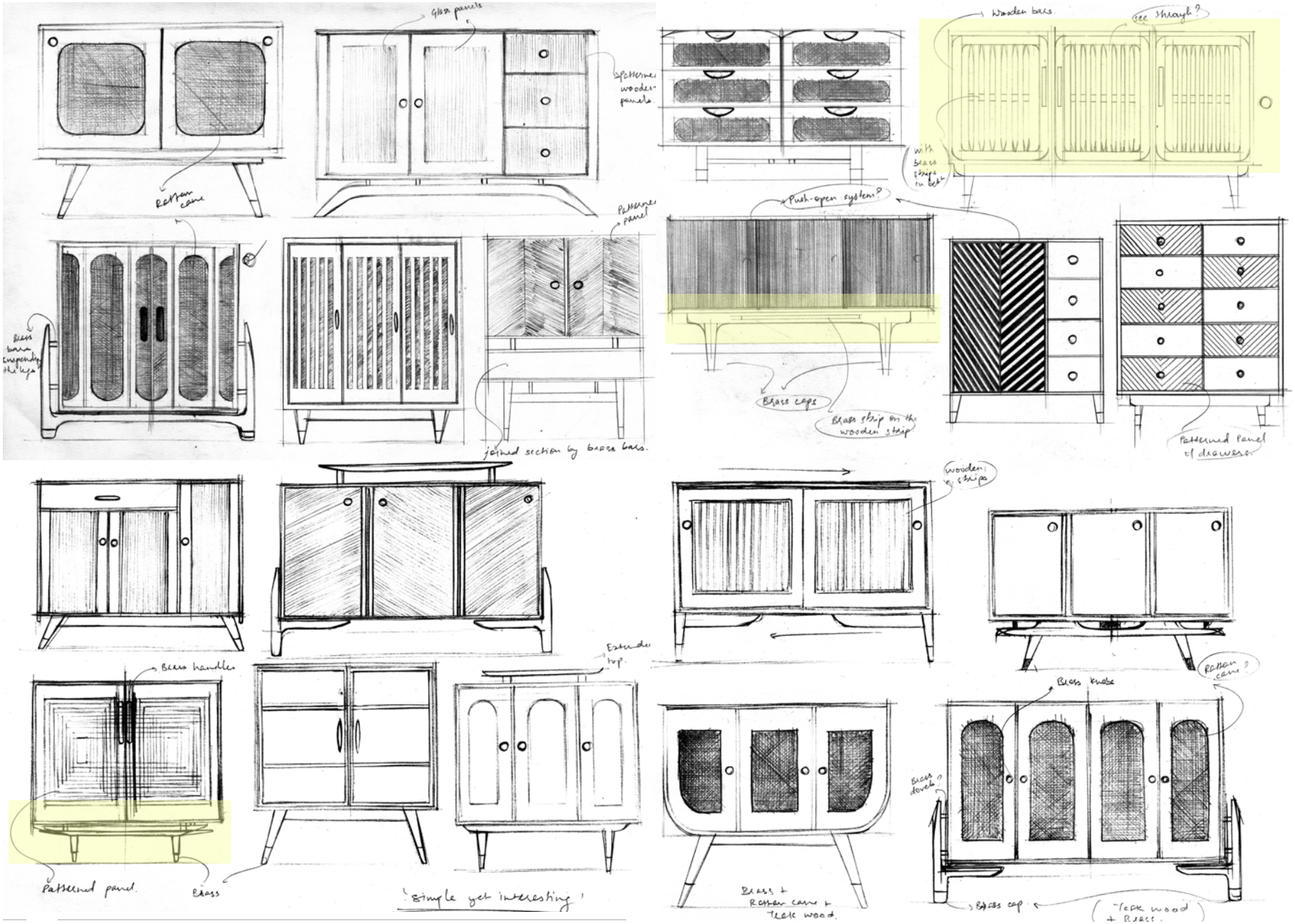








Ideation


Glass panels
Rattan cane
Patterned panel
Brass bars
Push-open system?
Brass caps
Brass strip on the wooden strip
Wooden bars
See through?
Patterned panel of drawers
Brass handles
Extended top
Patterned panel
Brass
'Simple yet interesting'
Brass knobs
Rattan cane?
Brass dowels?
Brass cap
Teak wood + Rattan

Specifications:

Essential features included:

- **Safety:** Designing concepts which have soft designs, curved edges and rounded corners.
- **Strength:** Strong and sturdy build.
- **Island Bottom:** To separate down the main body and legs to make it look similar to other storage units in the house.
- **Similarity:** The furnitures in the apartment should show connectedness, same design flow.

Materials Used and Manufacturing:

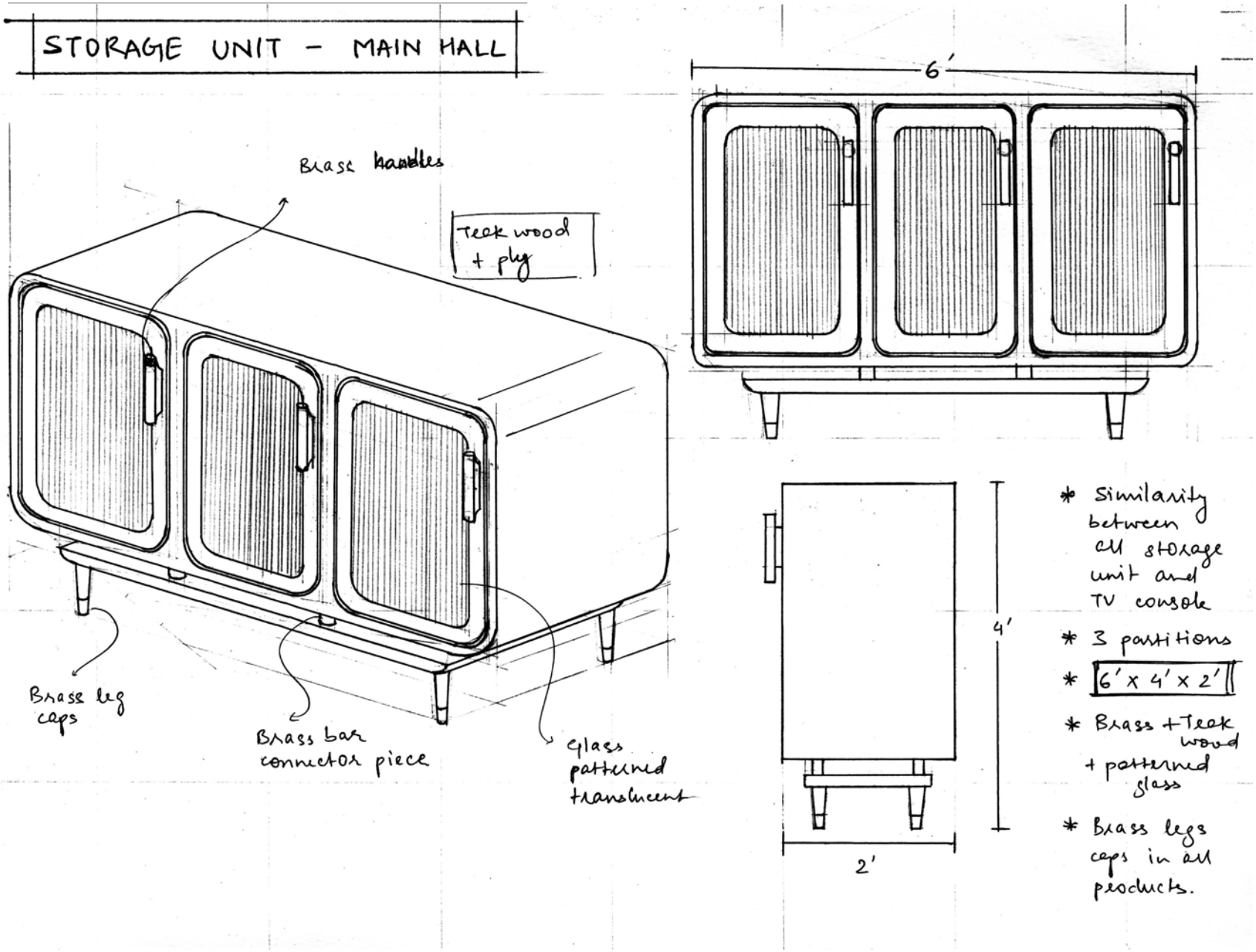
- **Brass:** Warm feeling.
- **Teak Wood:** Traditional and authentic experience.
- **Sandwiched Textured Glass:** Transparency yet privacy.
- All wooden joints are dowel joints.
- Brass Dowels are joined by using either CA Glue or Epoxy and Brass handles are joined by 2-1/2" SS Screws.

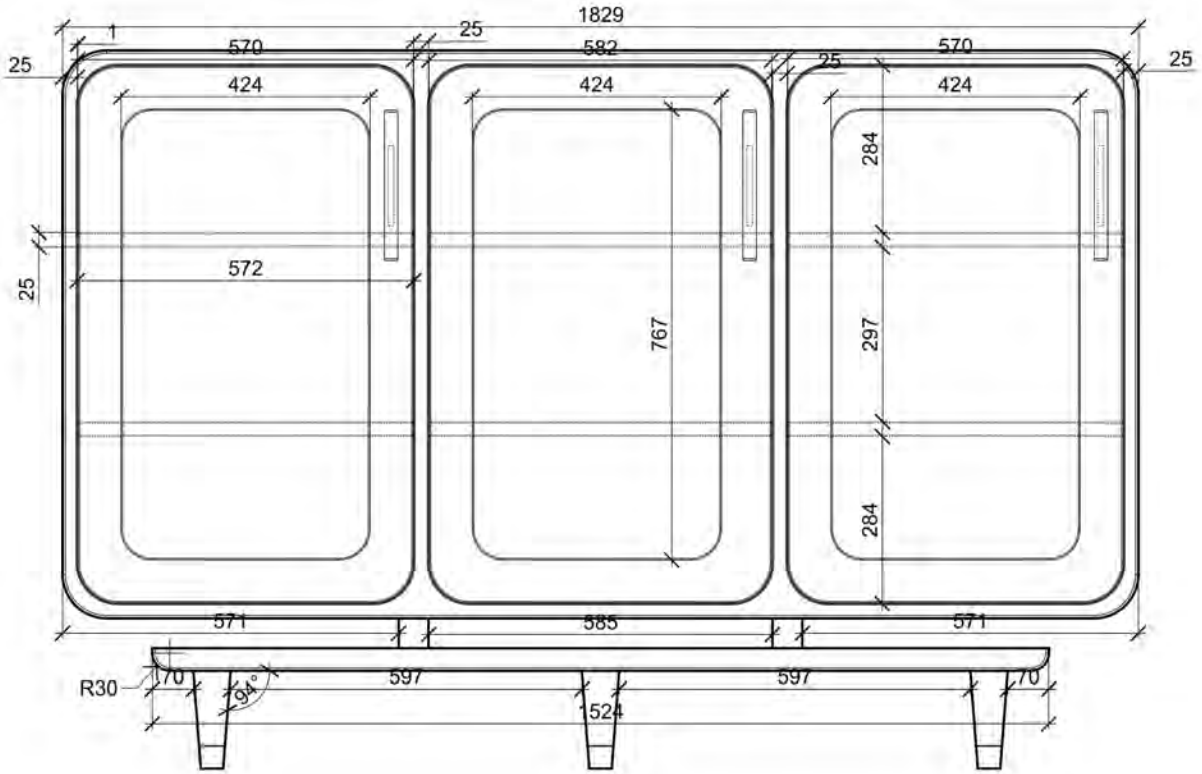
Together used to depict the timeless nature.

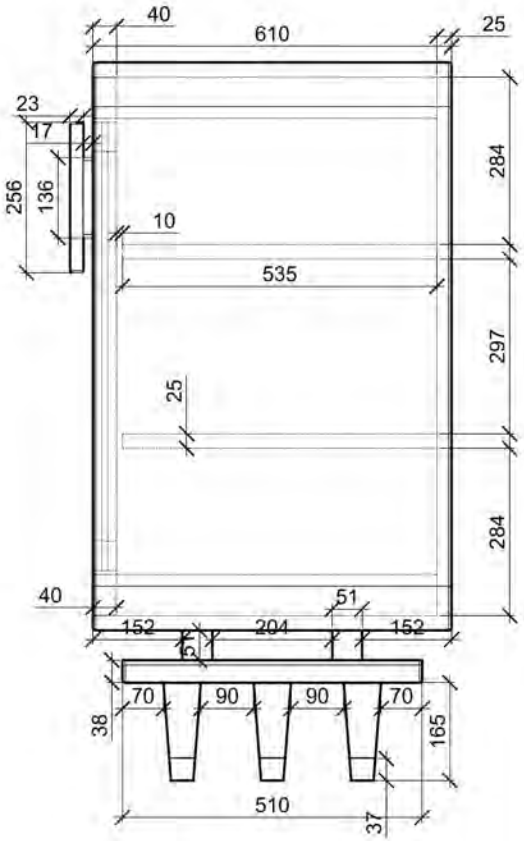
Ergonomics:

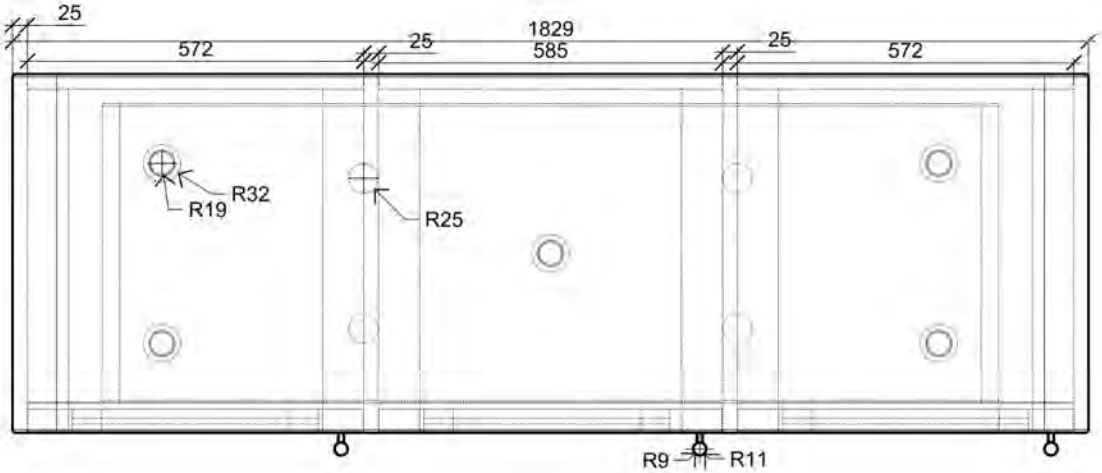
- **Storage Unit:** A small storage unit can be around 4 feet in height, 4-6 feet in width, and 1.5 feet in depth. Storage cabinets vary in size depending on its use or whether they are custom built.

Detailed Drawing









F3 FURNITURE -for- FUTURE

Project Title: Furniture Redesign	Sheet No. 12
Client : Alok Jain	
Content : LR Storage Unit	
Material :Brass Brush Grain Finish Teak Wood with Glossy Top Coat Sandwich Glass Pattern	
	Date : 20-07-2024

Storage Cabinet



Dining Area

Final Renders





Regular Seating Area

Final Renders







Living Room

Final Renders





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THANK YOU

AKSHAT JAIN
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