

Project Report on

Project 3: Furniture Design

Presented by the
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In the subject of

Open Elective 3: Interior Design

Group No. 2

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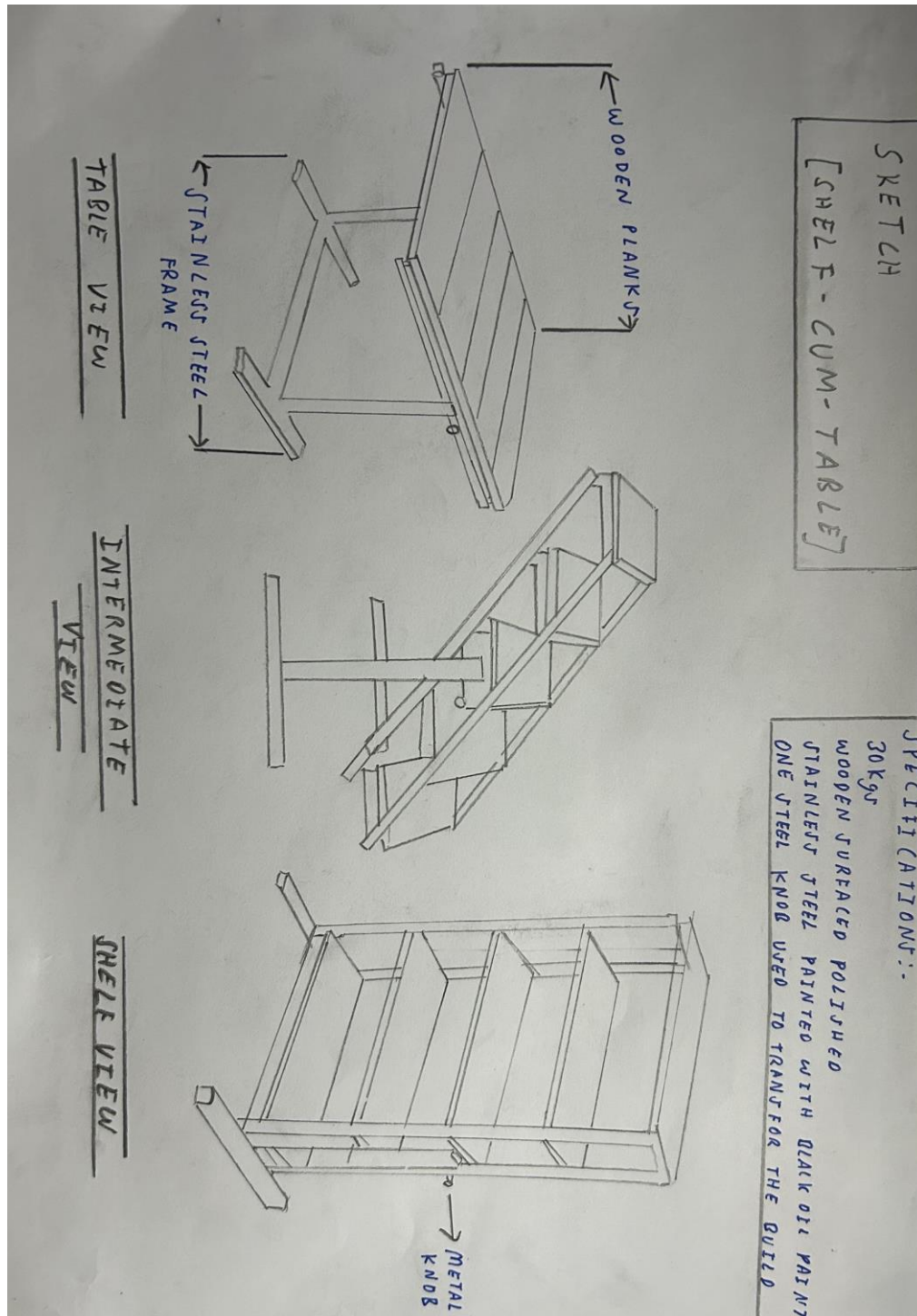
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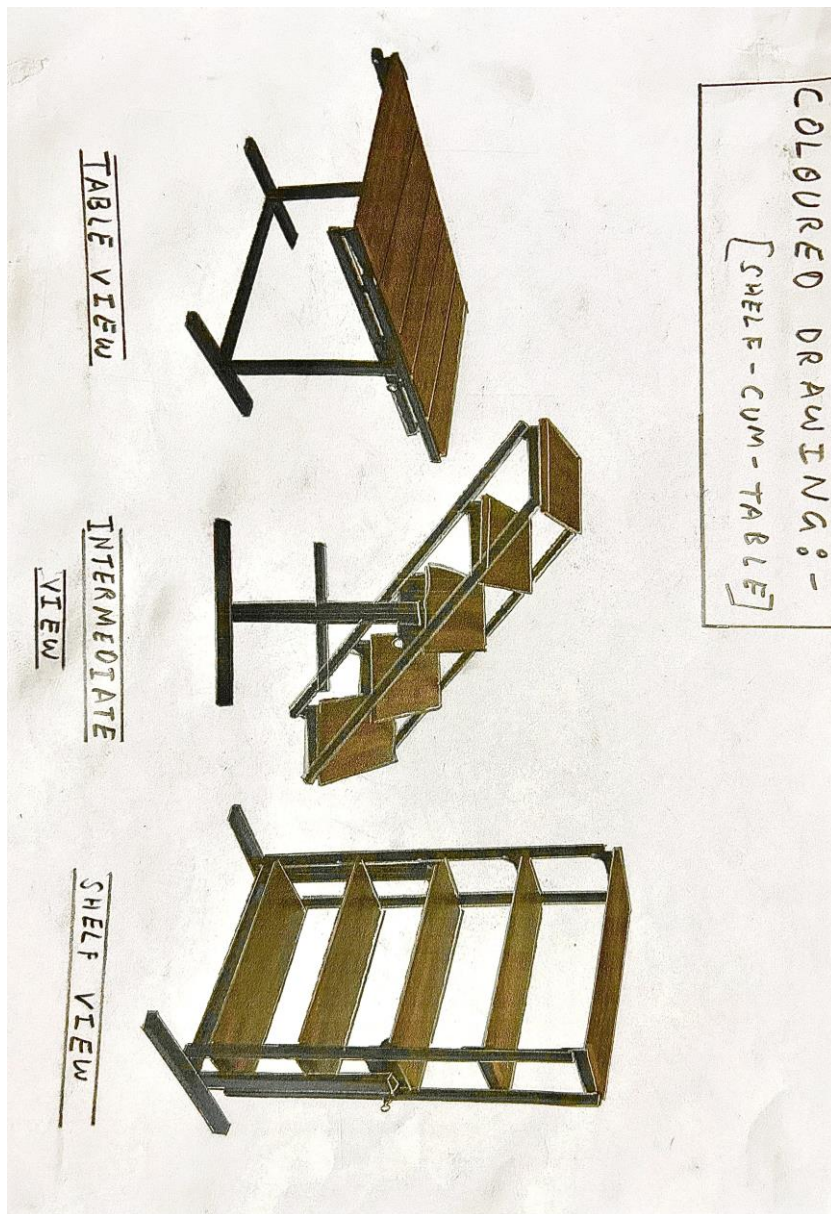
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PROBLEM STATEMENT: To build a multifunctional furniture for the room designed in the prior project (2). I chose to build **bookshelf cum table**.

FURNITURE: multifunctional furniture design offers versatile utility, combining a bookshelf and a table seamlessly. By simply turning a metal knob, it transforms, demonstrating its user-friendly design. The wooden material provides a warm, natural feel, while the stainless steel frame, painted with black oil paint, adds a touch of modern elegance.

Hand drawn:





3D isometric build in sketch-up:



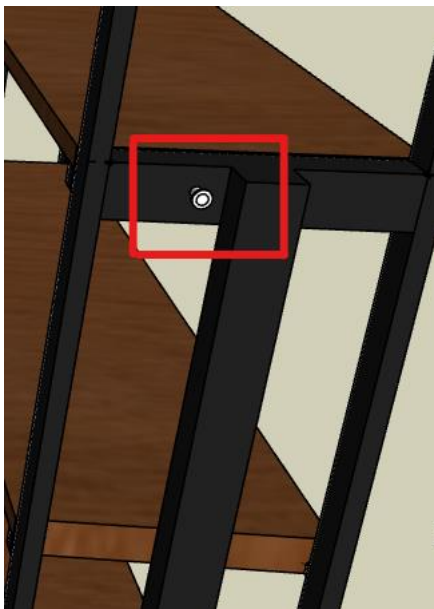
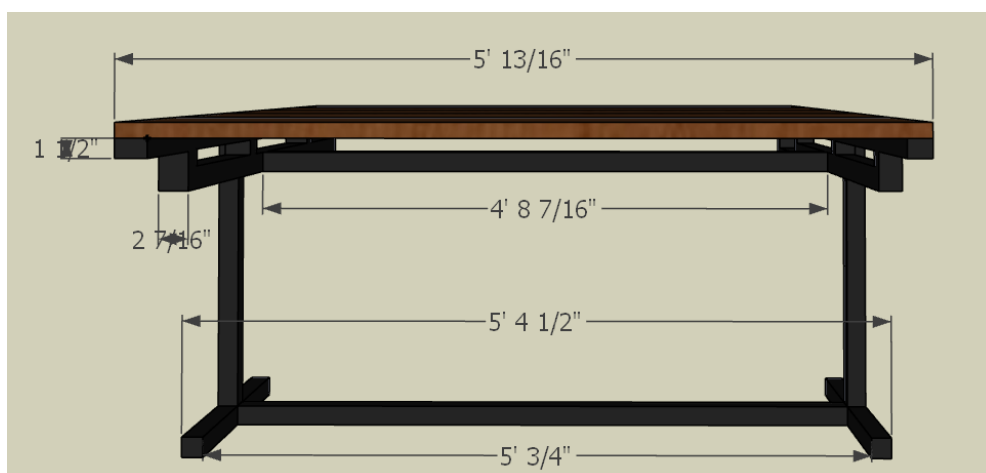
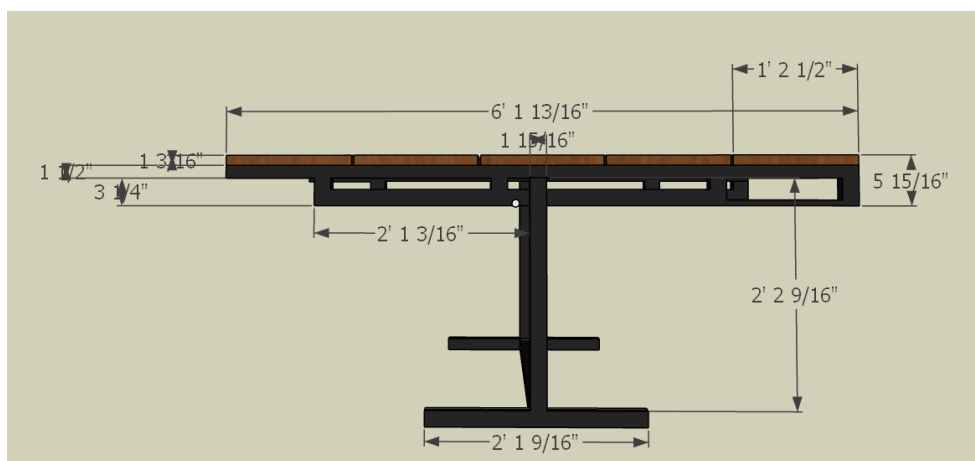
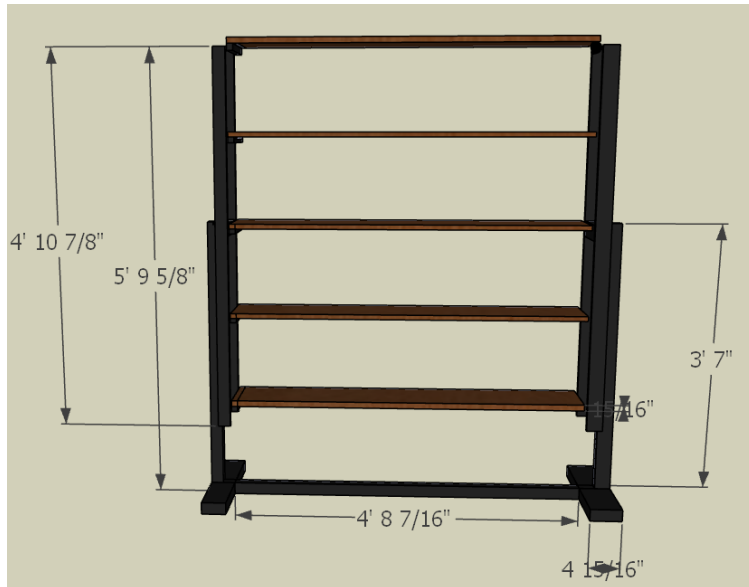


Diagram of a wooden bench with dimensions:

- Width: $5' \frac{3}{4}"$
- Height per slat: $1' 2 \frac{1}{2}"$
- Total height: $6' 1 \frac{13}{16}"$





In terms of utility, the furniture serves as both a storage solution and a functional table. As a bookshelf, it provides ample space for organizing books and decorative items. When transformed into a table, it offers a sturdy surface for various activities, such as dining, working, or studying. This dual functionality maximizes its practicality in different settings, making it ideal for small living spaces where optimizing space is crucial.

The choice of black oil paint for the stainless steel frame not only enhances its visual appeal but also ensures durability and resistance to wear. The wooden elements contribute to a cozy ambiance, adding warmth to the room. The combination of materials and colors creates a harmonious contrast, making the furniture visually striking.

Furthermore, the space-saving aspect of the design is a key highlight. In smaller living spaces, the ability to switch between a bookshelf and a table provides flexibility, allowing users to adapt the furniture according to their immediate needs. This adaptability makes the most out of limited space, addressing the challenges of modern urban living.

Since this multifunctional furniture will be placed in the guest room which has a blue accent wall and the main wardrobe is in brown polish colour, it goes well and matches with the already existing furniture and can be a great addition since it will match not only the wardrobe but also the wooden floor, along with it the black oil paint gives it a nice elegant and shiny look.

Overall, the multifunctional furniture design not only offers practicality and functionality but also stands out aesthetically, making it a valuable addition to any space.