

COLLAPSUS

COLLAPSIBLE
SIDE TABLE

COLLAPSUS is a deceptively simple yet thoughtfully designed collapsible table inspired by the intelligence of nature and the evolving needs of modern living.

Crafted from eco-friendly cane and locally sourced wood, COLLAPSUS features two adjustable height levels, offering dual functionality as both a tray table and a reversible game table. Its collapsible base makes it easy to store, while its woven surface design evokes the radial geometry of sunbursts and nests.

When not in use, the table becomes wall decor, merging aesthetic value with spatial efficiency — a concept rooted in circular design thinking. Its modular components are ideal for scalable production, yet the handwoven elements honor local craftsmanship and the “Think Local, Make Local” ethos.

Key features

- Nature-inspired radial woven top
- Dual height levels for versatile use
- Multi-functional: tray table + game table
- Collapsible structure for space-saving storage
- Can be wall-mounted as decorative art
- Made using only natural materials: cane, wood, and recyclable metal
- Celebrates Indian artisanal craft traditions

CONCEPT BRIEF

NESTED IN NATURE - A COLLAPSIBLE WOVEN TABLE

A sustainable approach to collapsibility - this versatile side table redefines folding mechanisms with a featherlight structure made from eco-friendly cane. It features dual functionality, serving as both a tray table and a reversible game table with two height options. When not in use, it transforms into wall decor, ideal for style-conscious urban dwellers in compact spaces. Supporting the "Think Local, Make Local" philosophy, it celebrates craftsmanship yet remains scalable through a modular pair-of-parts system. Lightweight, multifunctional, and artisan-rooted, this table blends beauty, utility, and sustainability seamlessly

KEY FEATURES

- Dual Height Levels
- Collapsible Design
- Multi-Functional
- Aesthetic Appeal
- Easy Height Adjustment

MOOD BOARD

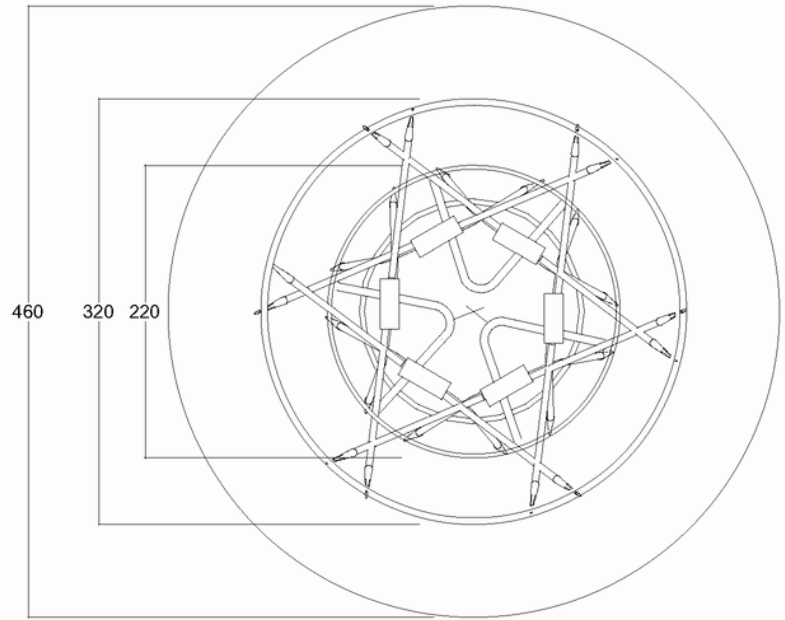
LINES | REPETITION | TEXTURES | ECO MODERN



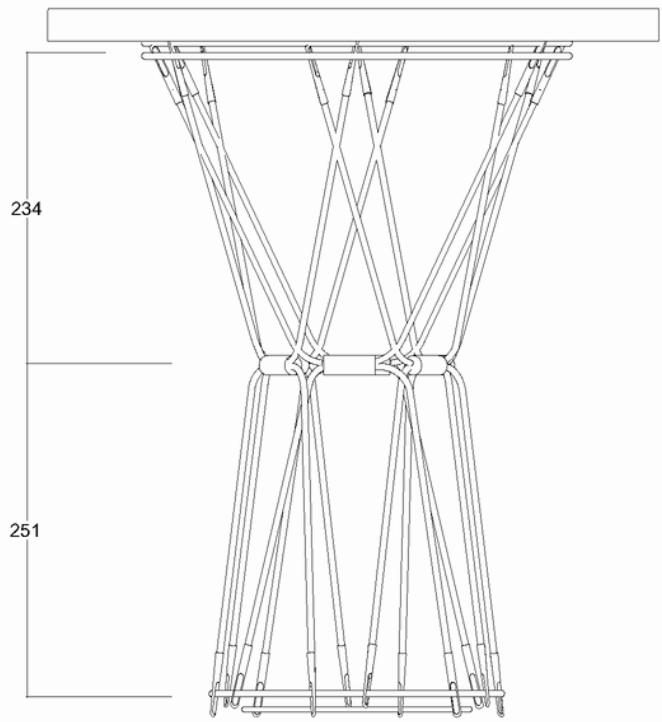
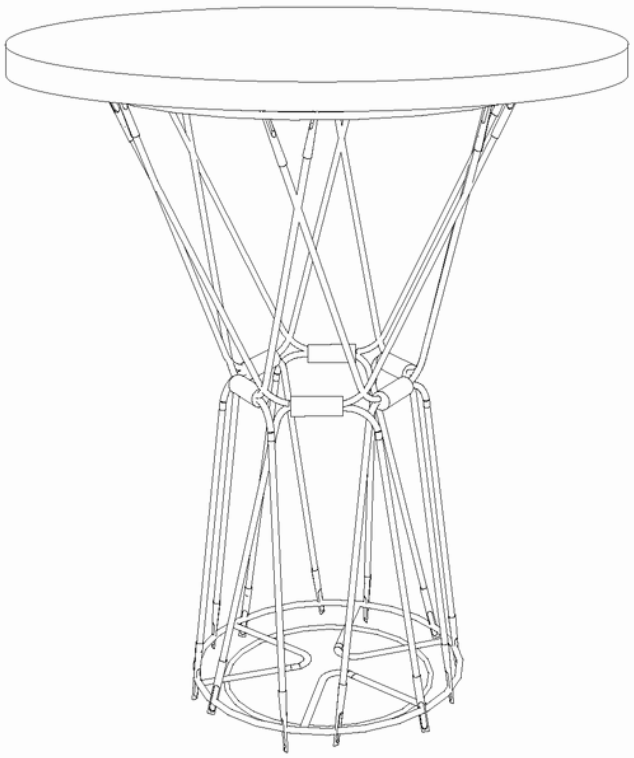
Cane Weaving | Rattan | Mild steel

Birds's nest like weaving

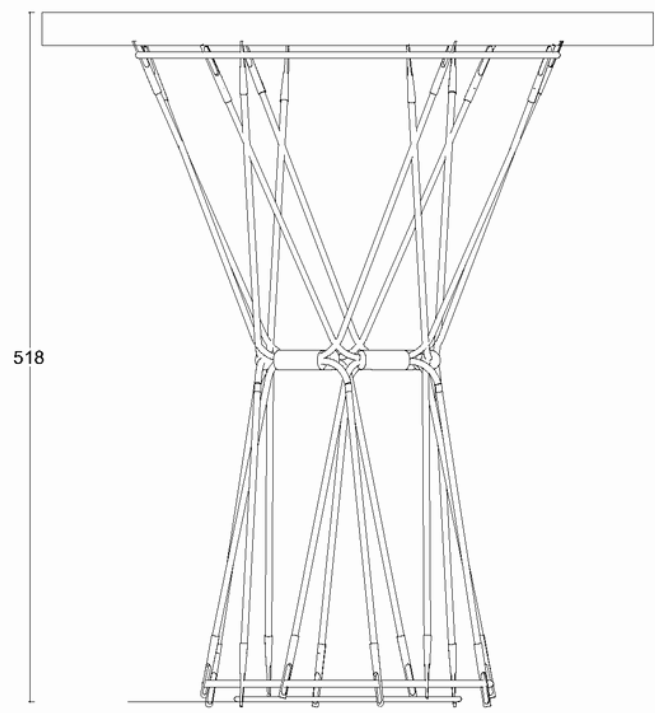
TECHNICAL DRAWINGS



TOP VIEW

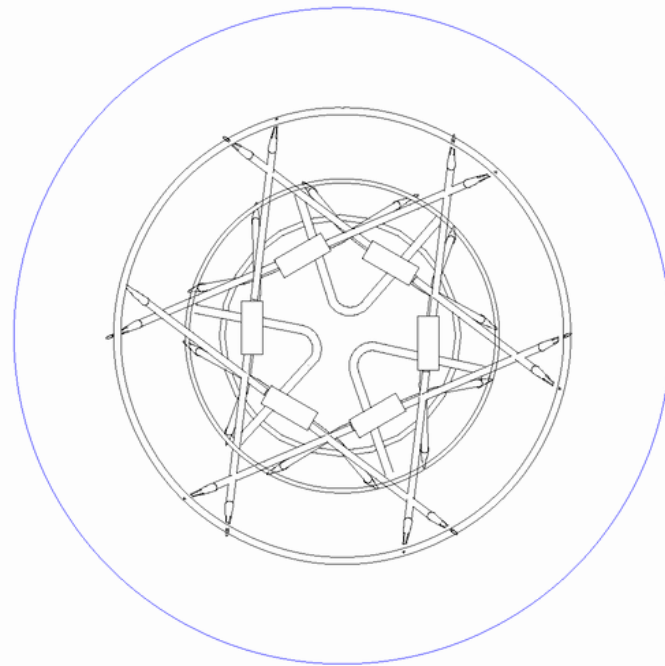


FRONT VIEW

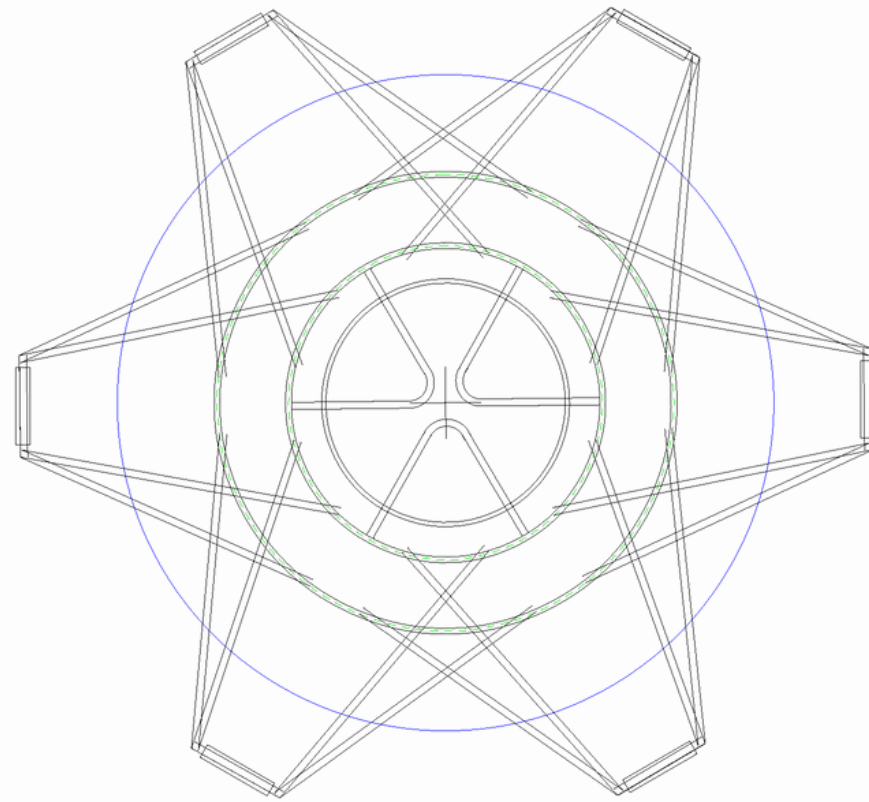


SIDE VIEW

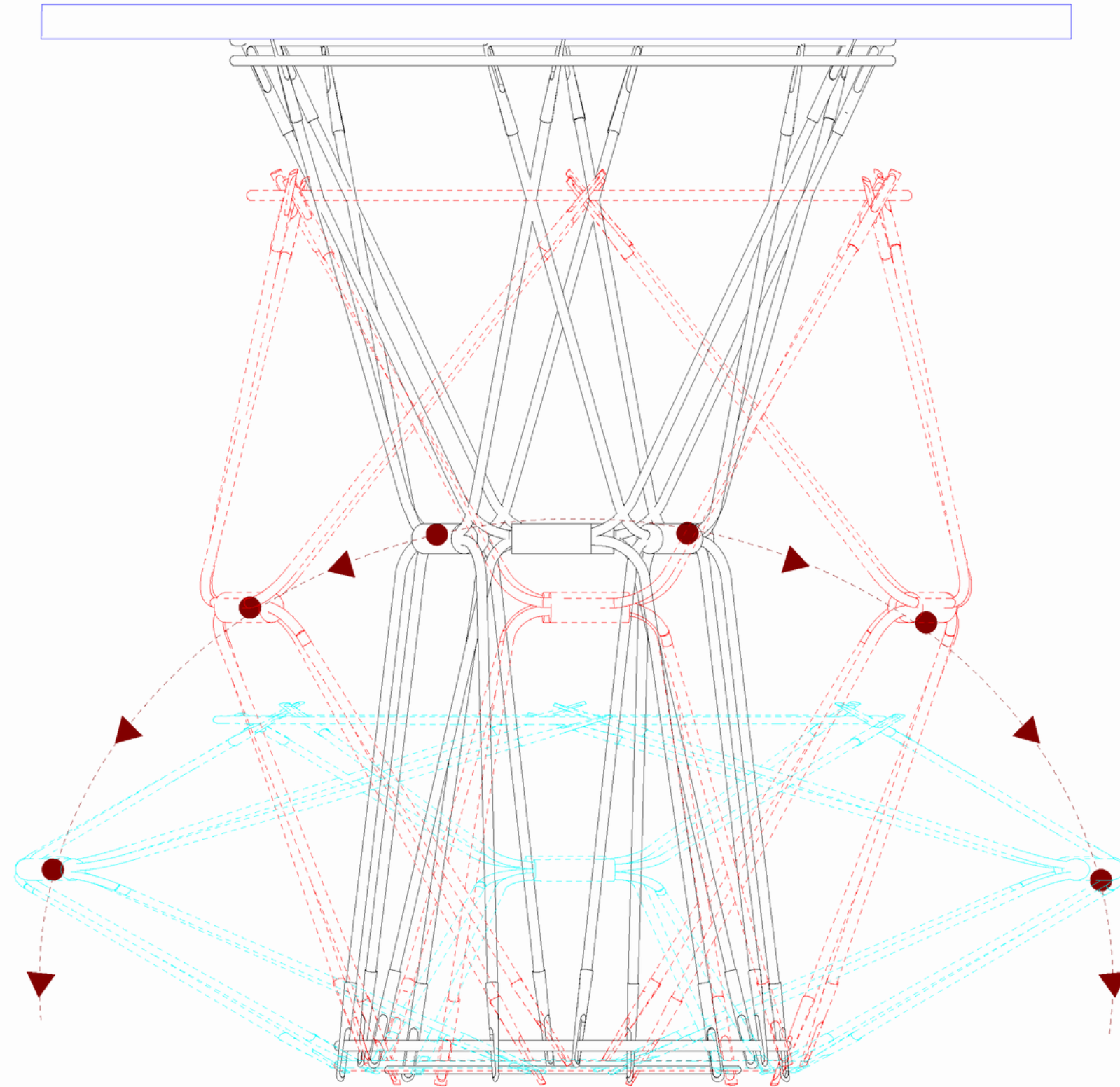




ACTIVE STATE

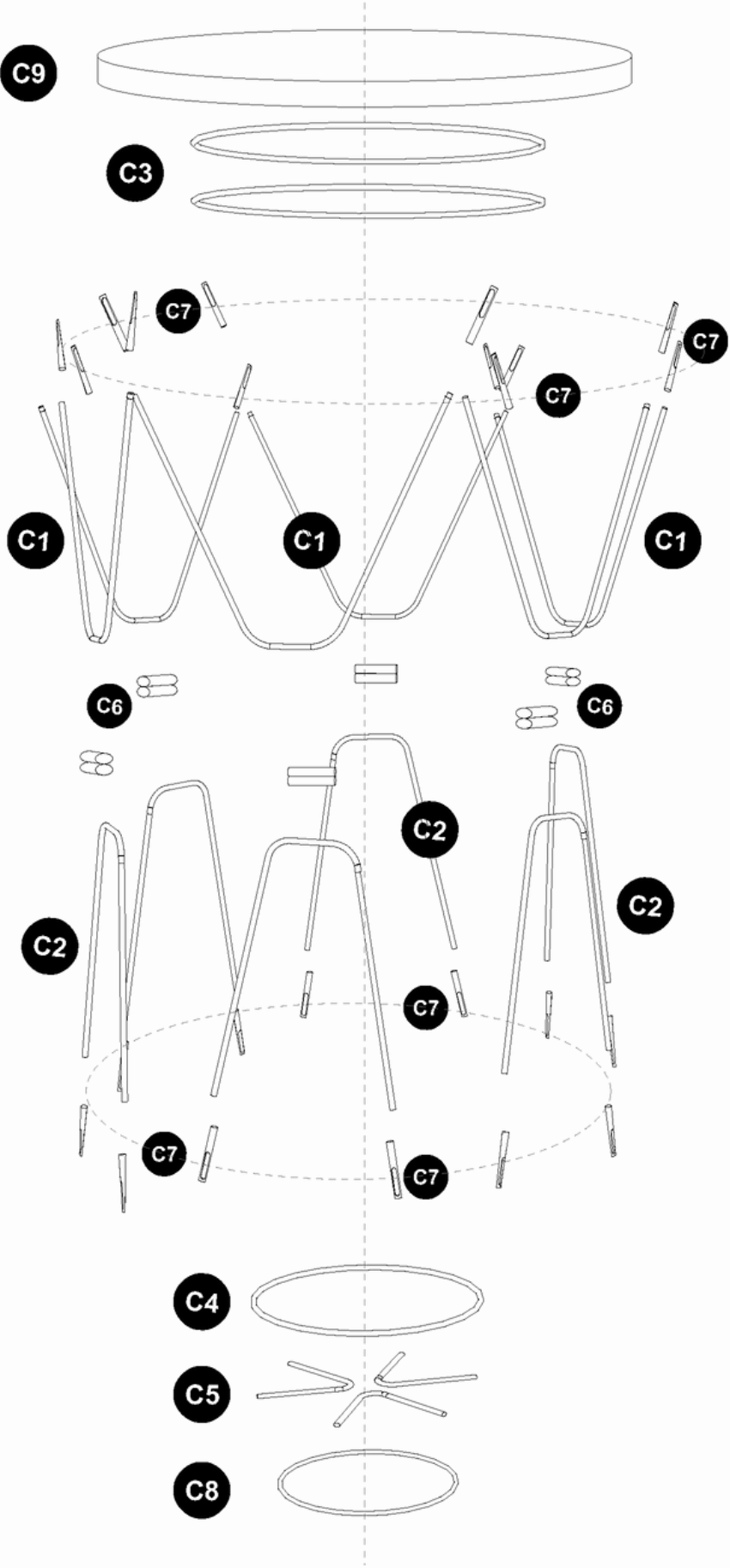


PASSIVE STATE



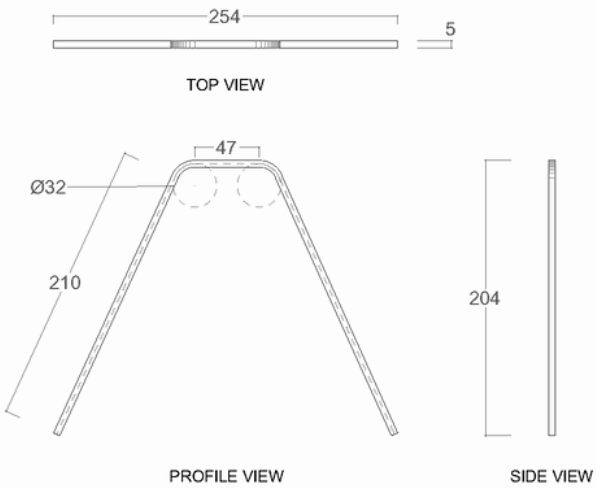
EXPLODED VIEW

CODE	COMPONENT DESCRIPTIONS	MATERIAL	FINISH	DIMENSIONS		QUANTITY (Nos.)	REFERENCE SHEET AND DRAWING
				C	H		
C1	UPPER LEGS	MS ROD	POLISH	510	200	06	Drawing 1 Sheet no. 4
C2	LOWER LEGS	MS ROD	POLISH	530	220	06	Drawing 2 Sheet no. 4
C3	UPPER RING	MS ROD	POLISH	1000.57	320Ø	02	Drawing 3 Sheet no. 4
C4	LOWER RING	MS ROD	POLISH	690.08	220Ø	01	Drawing 4 Sheet no. 4
C5	LOWER RING DIVISIONS	MS ROD	POLISH	190	82	03	Drawing 5 Sheet no. 4
C6	TIE MEMBER FOR UPPER AND LOWER LEGS	MS PIPE	POLISH	-	50	06	Drawing 6 Sheet no. 4
C7	TERMINAL CONNECTORS	MS PIPE	POLISH	-	60	24	Drawing 7 Sheet no. 4
C8	BASE RING	MS ROD	POLISH	530.58	170Ø	01	Drawing 8 Sheet no. 4
C9	TABLE TOP	TEAK WOOD	MELAMINE POLISH	460	460	01	Drawing 9 Sheet no. 4

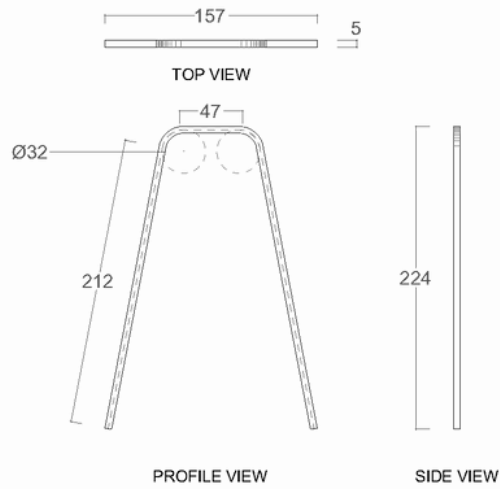


COMPONENTS DRAWING

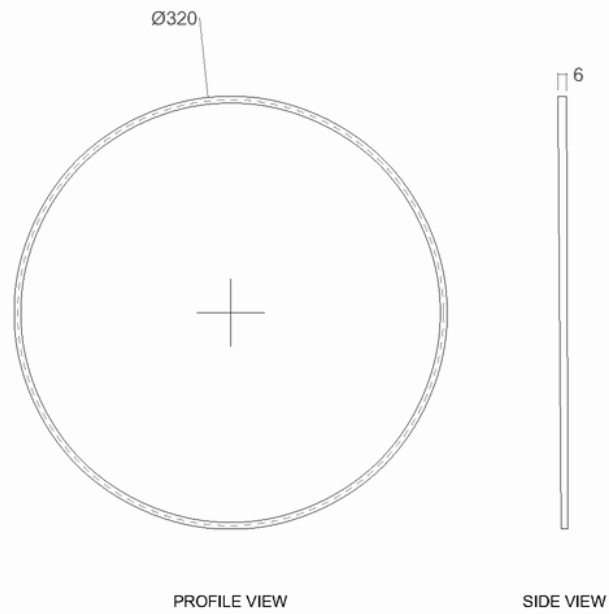
01 C1 UPPER LEGS
Quantity - 6 nos. Finish - clear polish
Material - MS ros 5mm



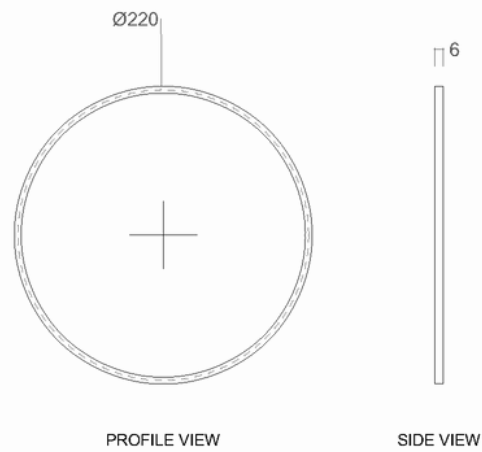
02 C2 LOWER ELGS
Quantity - 6 nos. Finish - clear polish
Material - MS ros 5mm



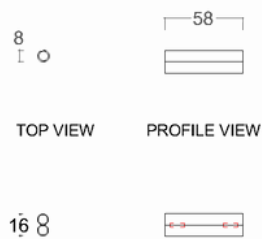
03 C3 UPPER RING
Quantity - 1 nos. Finish - clear polish
Material - MS rod 6mm



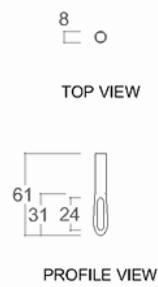
04 C4 LOWER RING
Quantity - 1 nos. Finish - clear polish
Material - MS rod 6mm



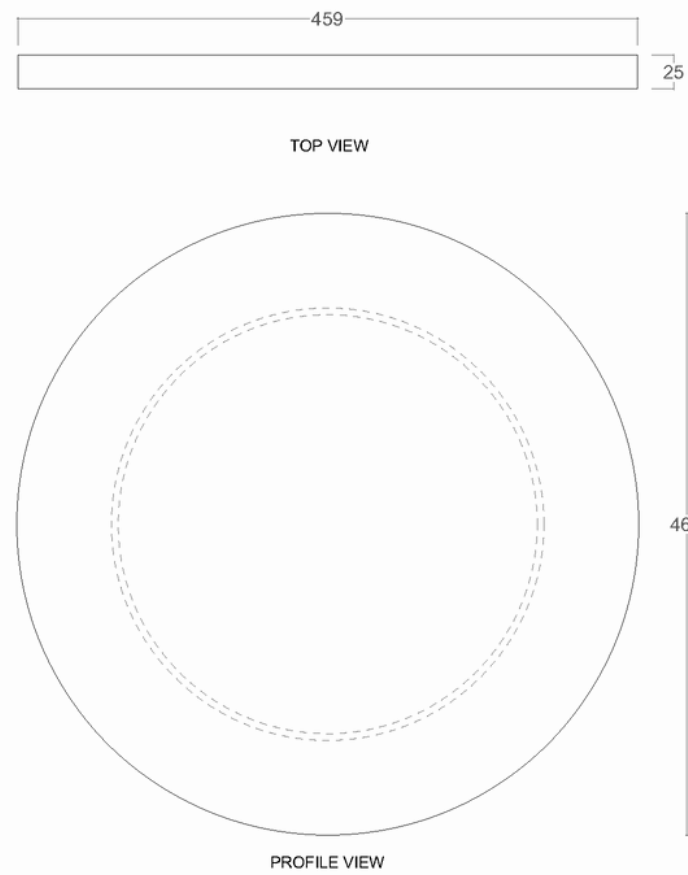
06 C6 TIE MEMBER FOR UPPER AND LOWER LEGS
Quantity - 12 nos. Finish - clear polish
Material - MS Pipe



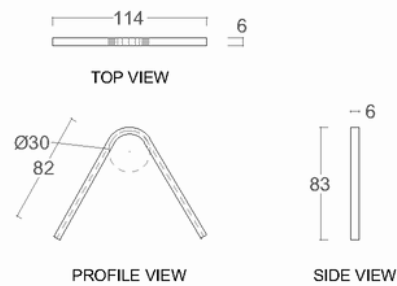
07 C7 TERMINAL CONNECTORS
Quantity - 24 Material - MS Pipe Finish - clear polish



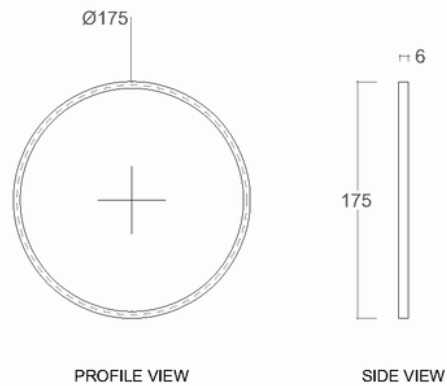
09 C9 TABLE TOP
Quantity - 01 nos. Finish - clear lacquer basecoat and clear melamine top coat.
Material - Teak wood



05 C5 LOWER RING DIVISIONS
Quantity - 3 nos. Finish - clear polish
Material - MS rod 6mm



08 C8 BASE RING
Quantity - 01 nos. Finish - clear polish
Material - MS rod

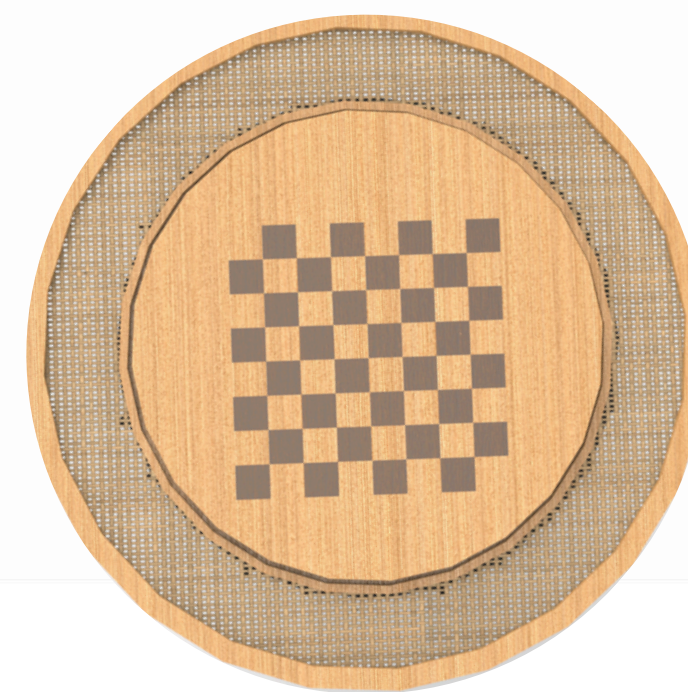


MATERIAL BREAKDOWN

Component	Material	Sourcing & Rationale
Around the top	Handwoven Natural Cane	Biodegradable and locally sourced in India; supports traditional skills
Table Top	Commercial Plywood	Sourced from leftover wood sheets; reduces landfill waste and supports reuse
Reversible Tray Insert	Same Plywood (laminated) + Cane sheet	Designed for dual use (tray/game surface); finished with non-toxic natural oil
Base	Powder-Coated Mild Steel	Minimal use; recyclable and offers long-term strength; flat-packable for lower shipping impact
Finish	Natural Oil	Enhances longevity of cane and wood; non-toxic and environmentally safe



TOP VIEW



TOP VIEW



FRONT VIEW



RENDERS

IDEATIONS FOR TABLE TOP

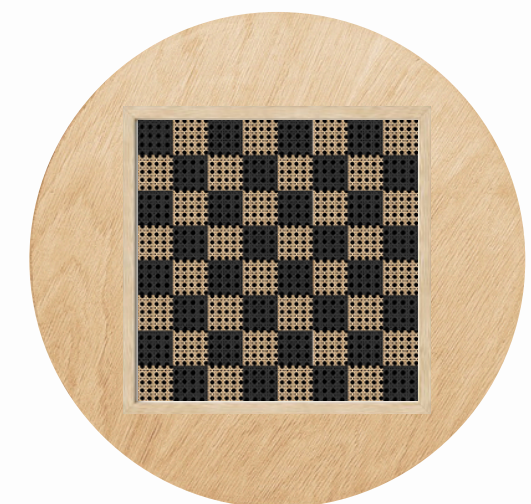
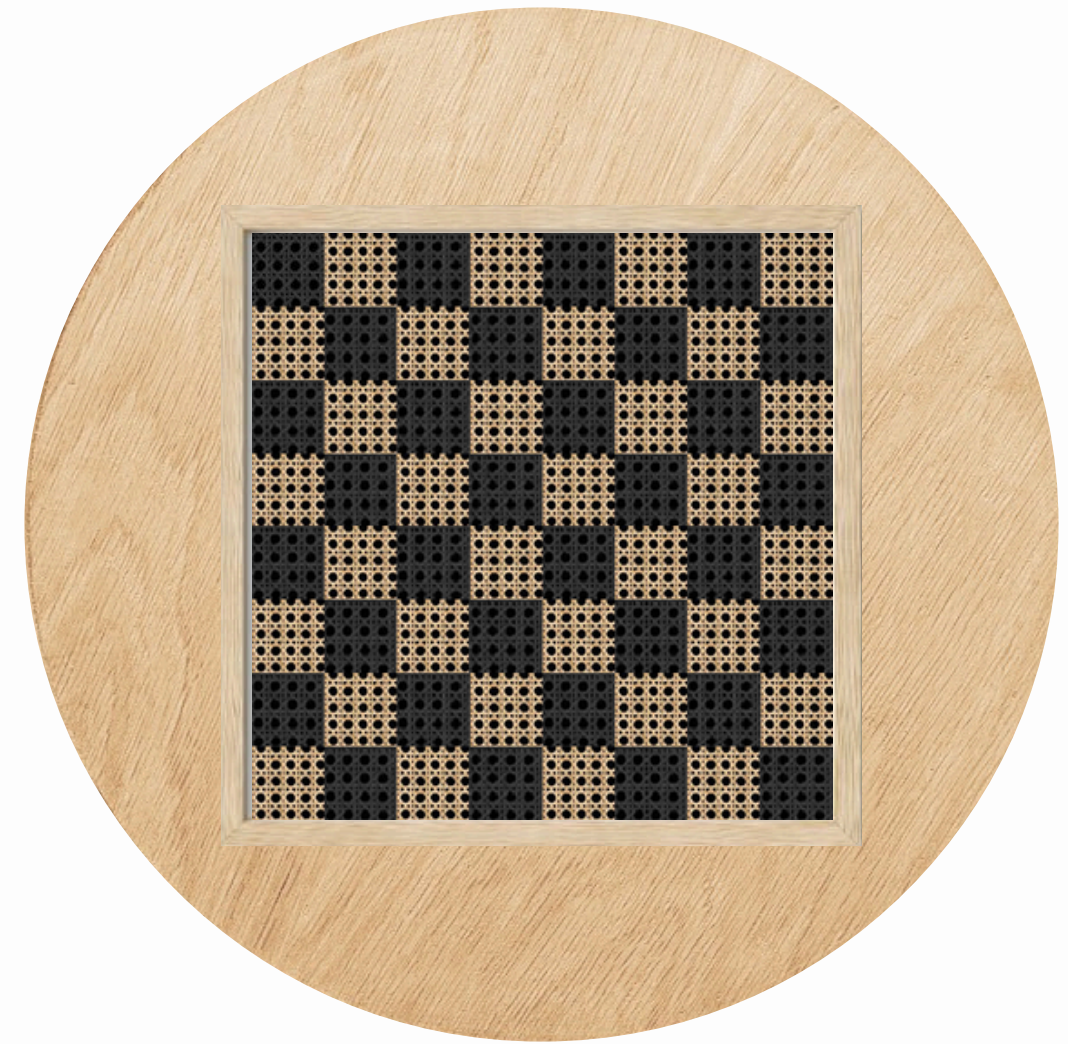


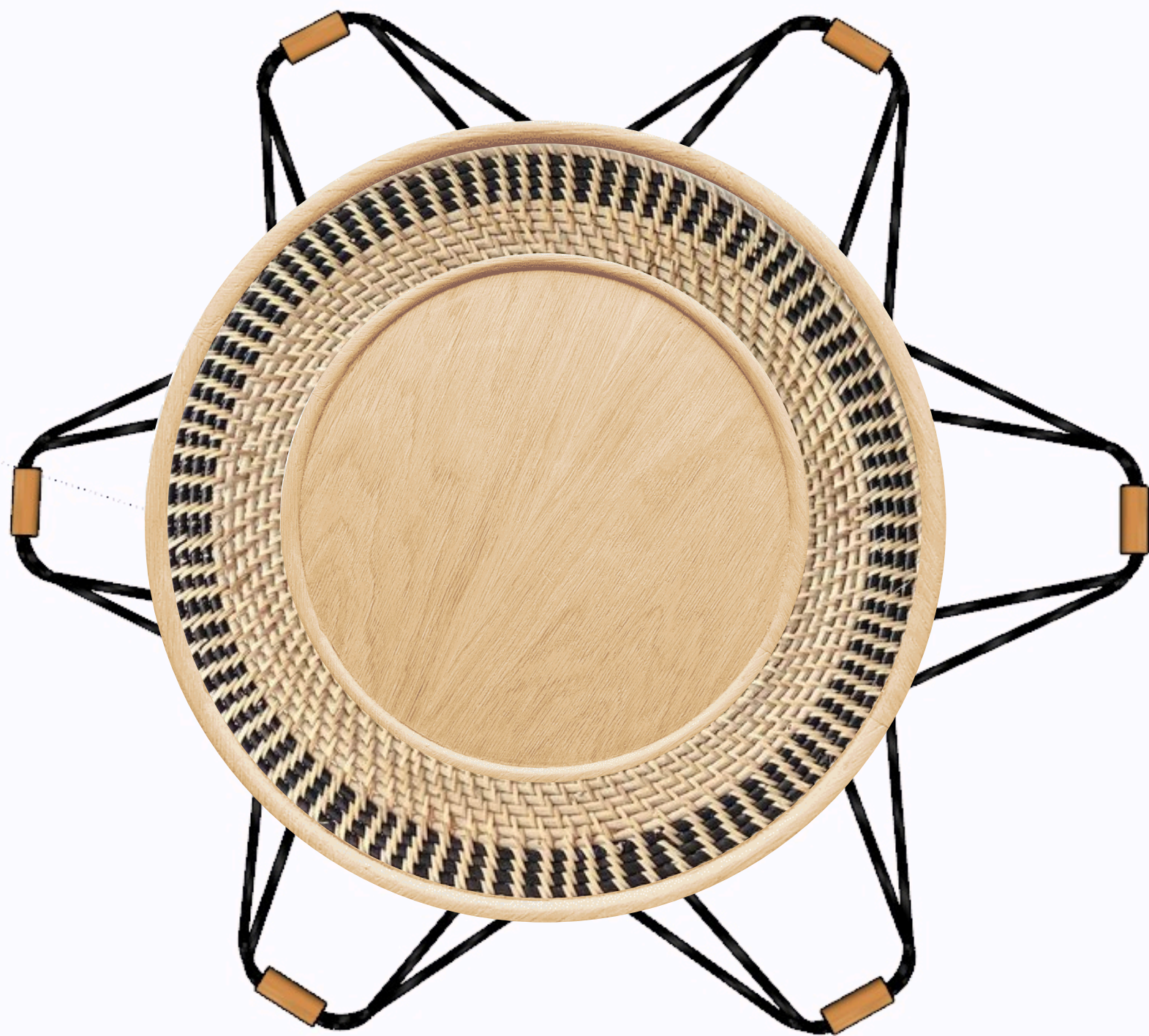
TABLE TOP



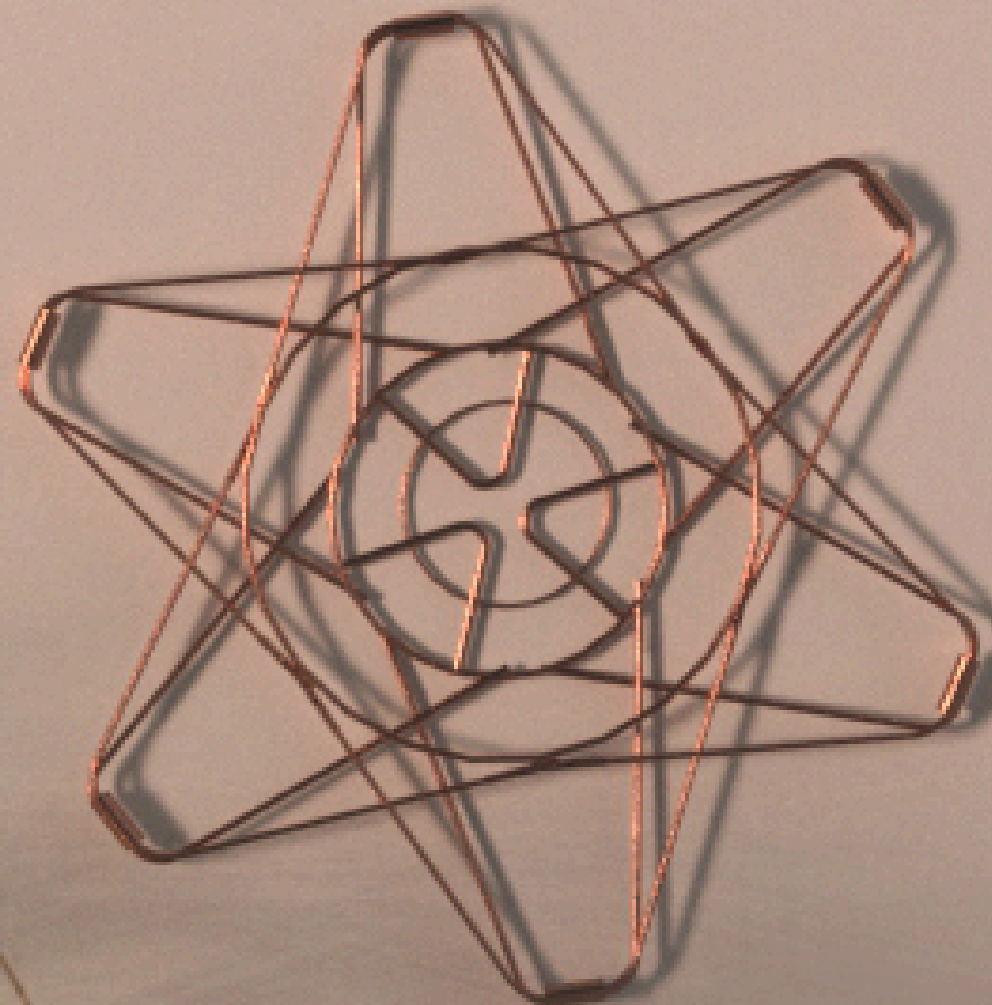
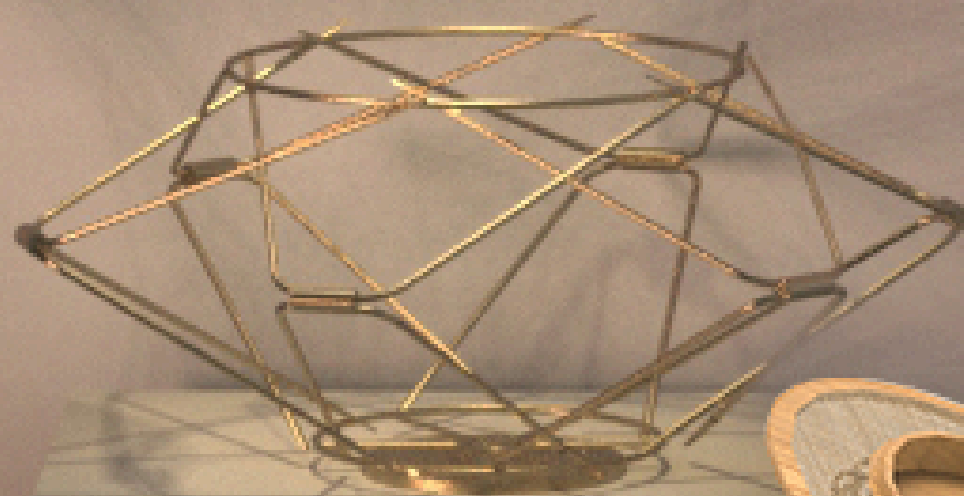
TABLE TOP - TRAY TABLE



REVERSED GAME TABLE



FINAL DESIGN

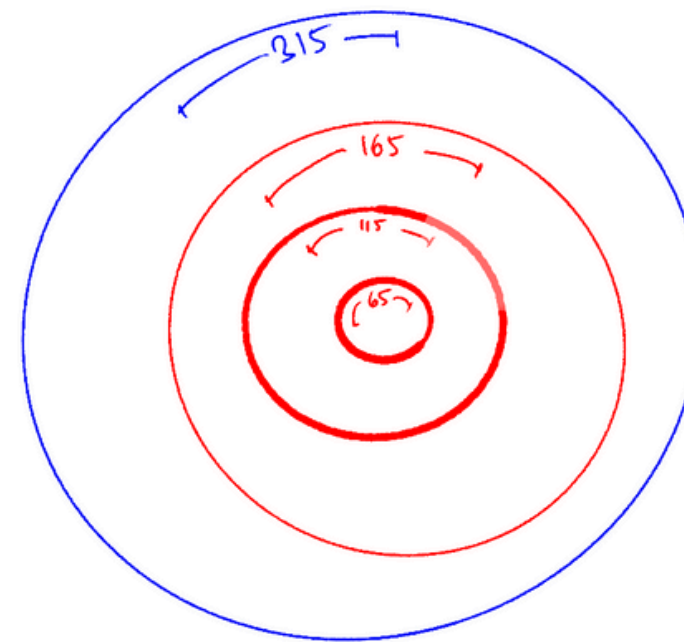
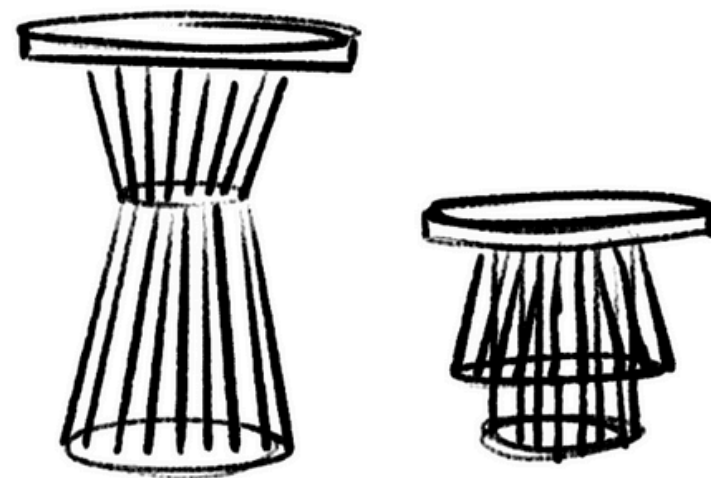
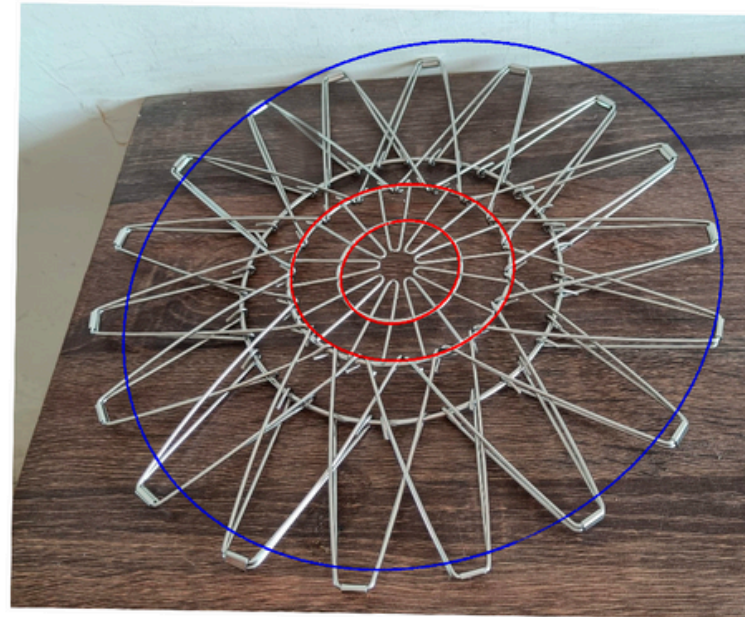
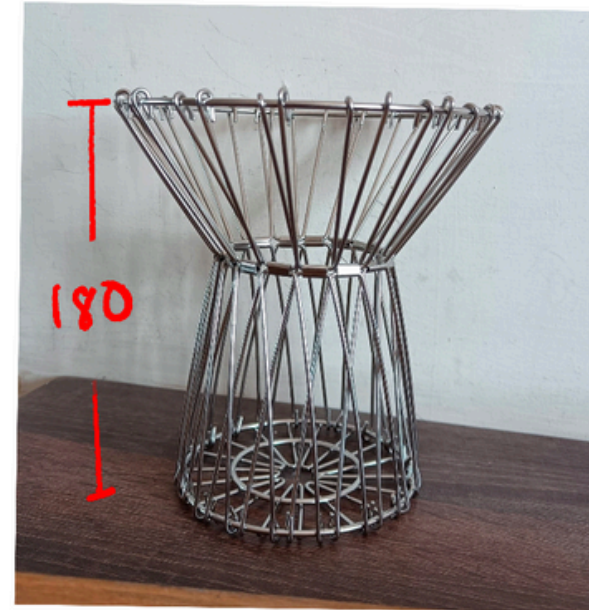
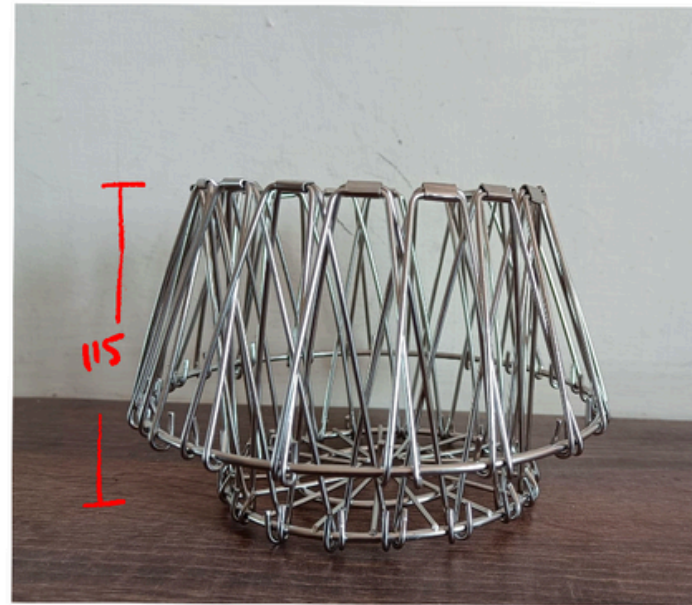




THE MAKING AND
EXPERIMENTATION OF
COLLAPSUS

DESIGN INSPIRATION

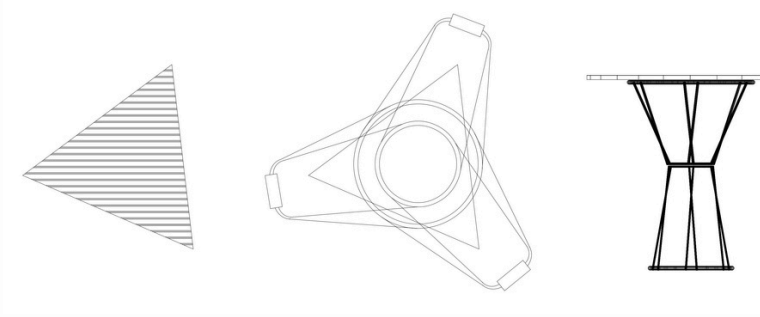
MECHANISM BASED



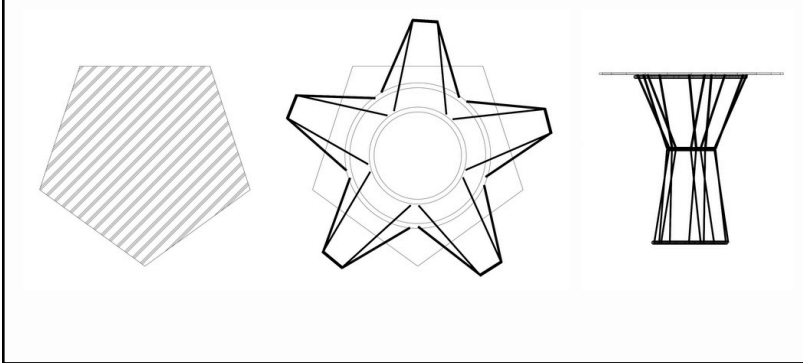
Collapsible - Adjustable Dual height for different occasions foldable and can be stored

DESIGN EXPERIMENTATION

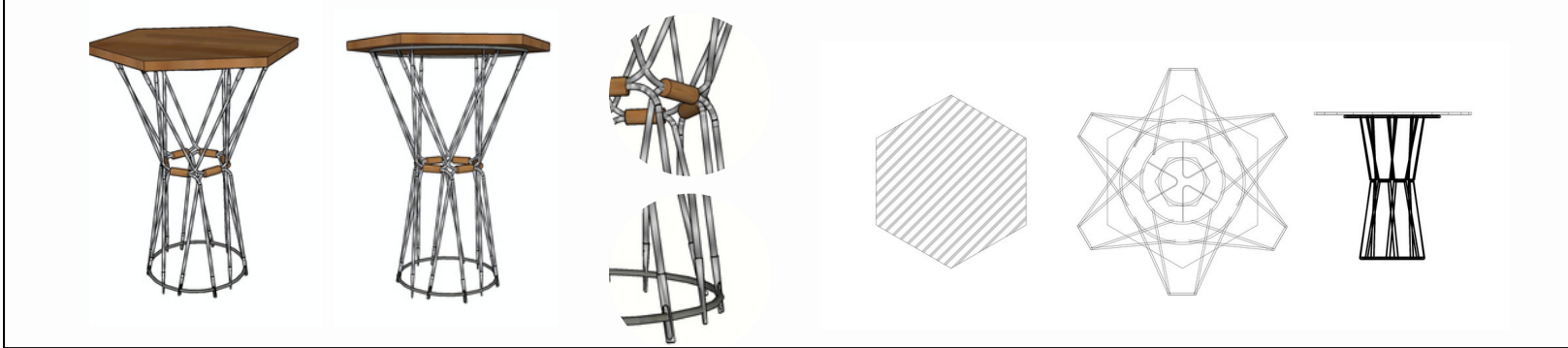
3 LEGS



5 LEGS



6 LEGS



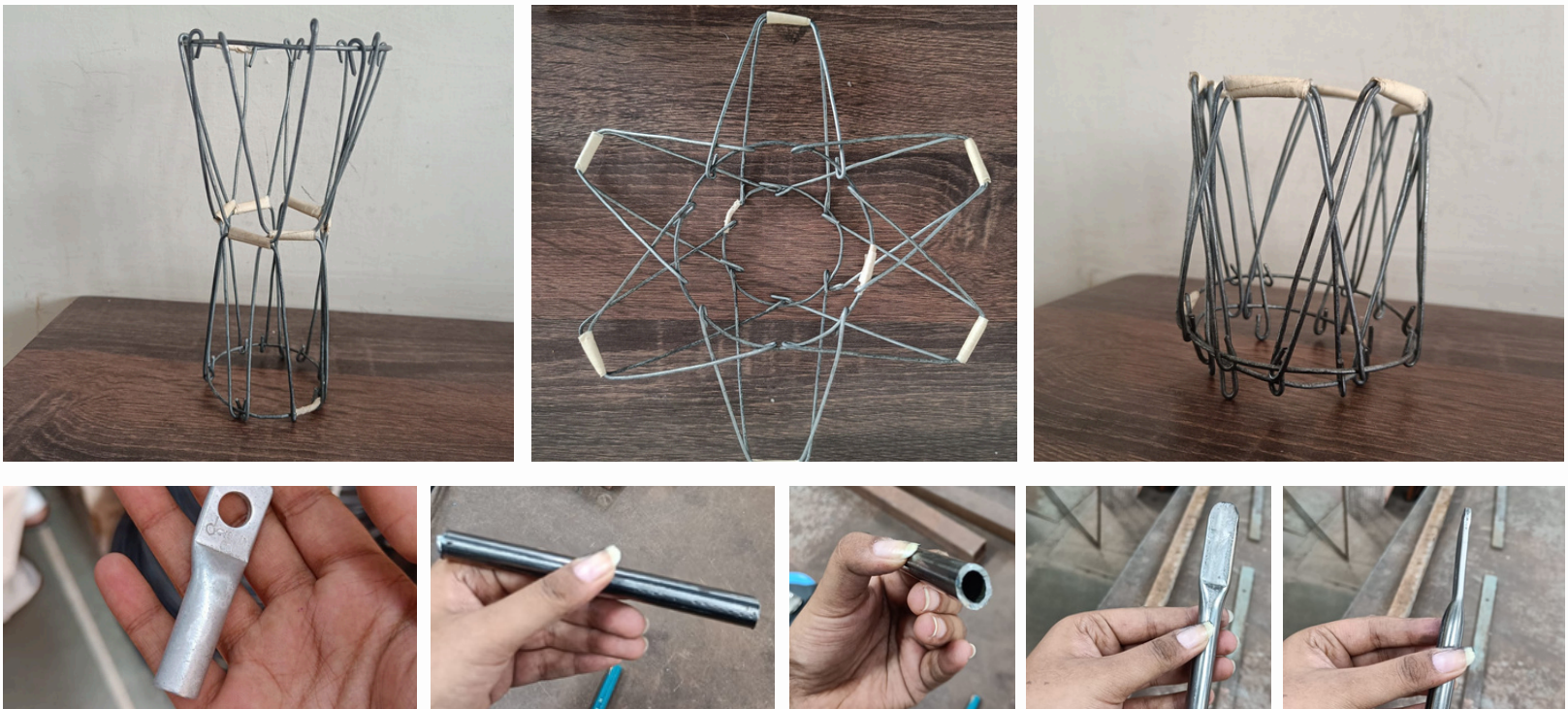
3 LEGS

Utilizing a terminal connector to secure the rods and facilitate rotational motion, the rotation angle surpassed the available space within the ring. Consequently, achieving full collapsibility was impeded, as the hooks continually intersected and hindered the collapsing process.



4 legs

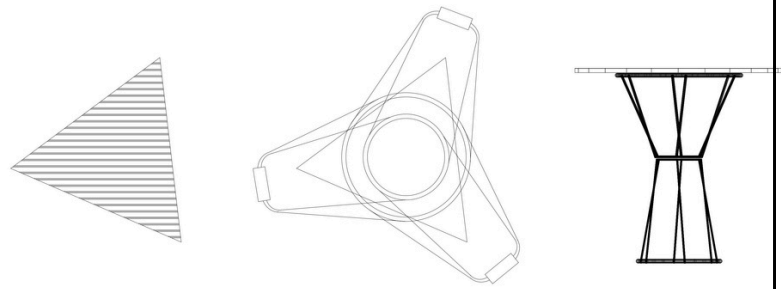
The issue of intersecting hooks persisted, obstructing the collapse of the structure. Additionally, the absence of significant overlap meant that the four legs diverged in four distinct directions, preventing any form of secure interlocking.



6 Legs

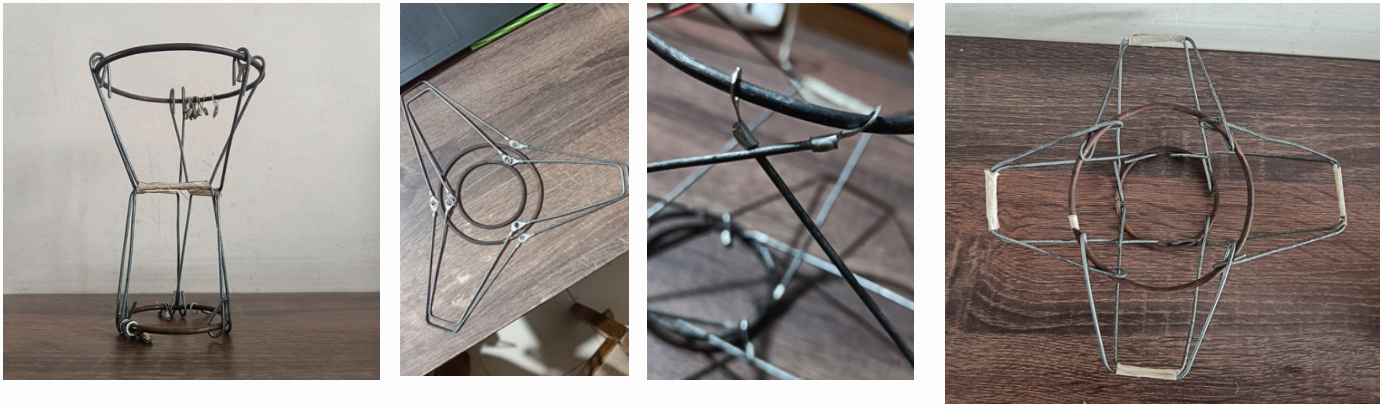
Opting for 6 legs proved to be the most optimal choice, as it prevented the hooks from obstructing each other during the collapsing process. The sole issue encountered was with the hooks disengaging from the base and top rings. To address this, an alternative solution was explored, which involved replacing the hooks with custom made ring terminals equipped with capsule holes to facilitate easy movement along various axis.

3 LEGS

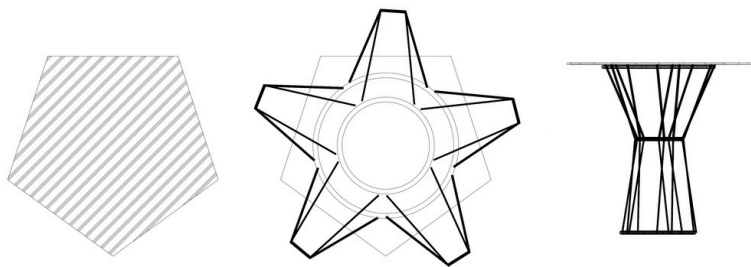


3 LEGS

Utilizing a terminal connector to secure the rods and facilitate rotational motion, the rotation angle surpassed the available space within the ring. Consequently, achieving full collapsibility was impeded, as the hooks continually intersected and hindered the collapsing process.

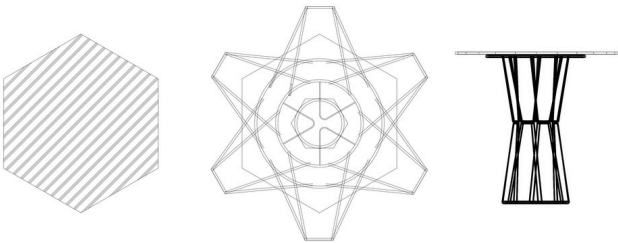


5 LEGS

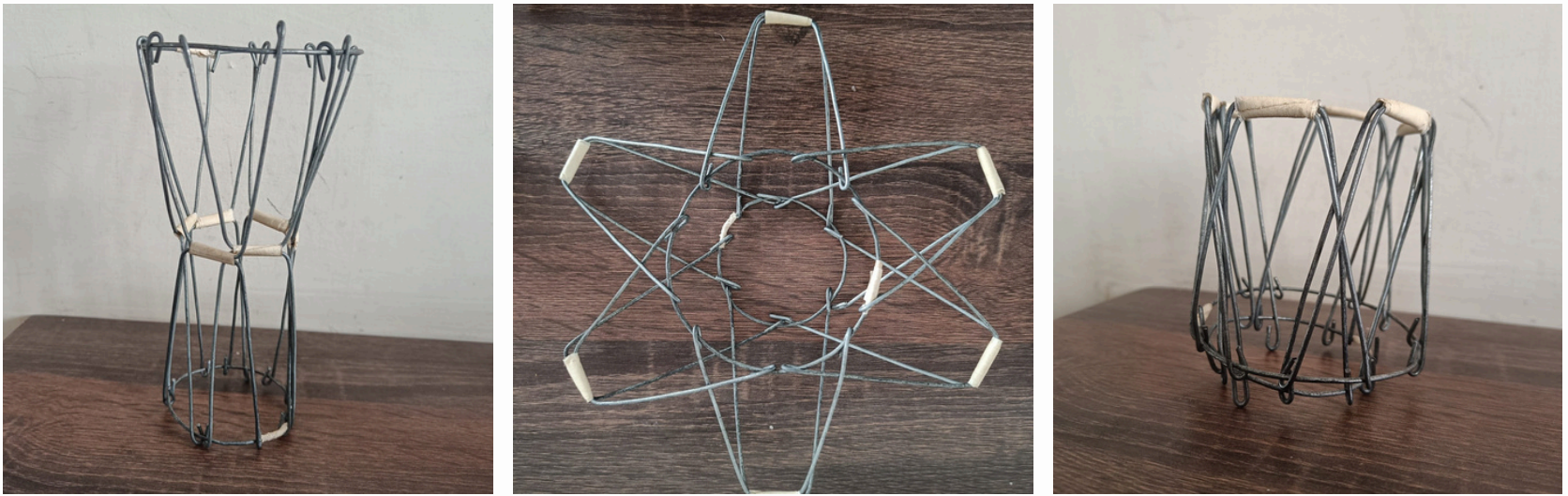


4 legs

The issue of intersecting hooks persisted, obstructing the smooth collapse of the structure. Additionally, the absence of significant overlap meant that the four legs diverged in four distinct directions, preventing any form of secure interlocking.



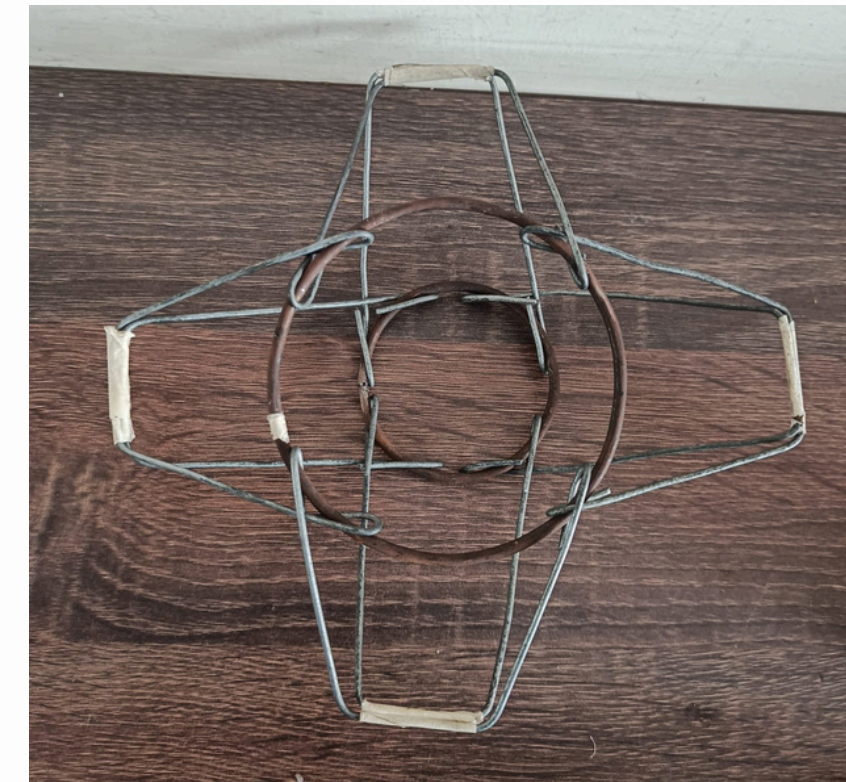
6 LEGS



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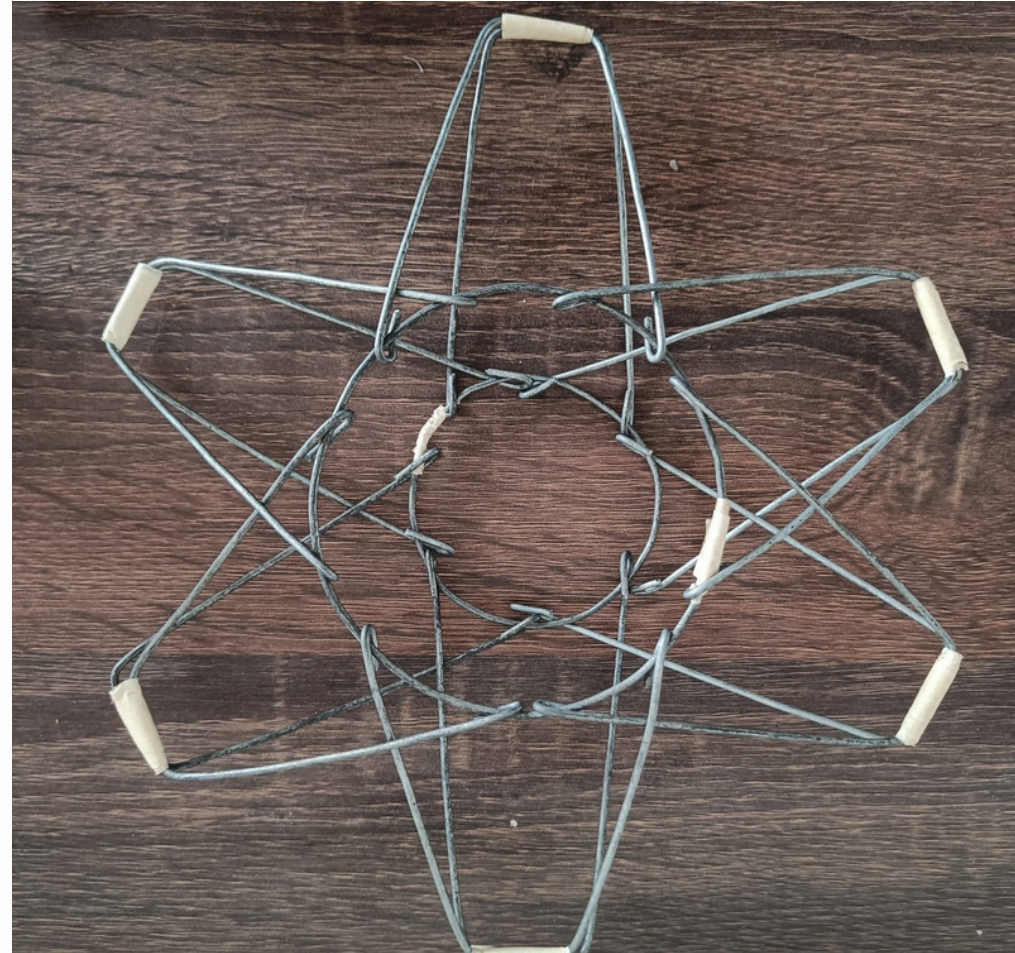


DESIGN PHASE



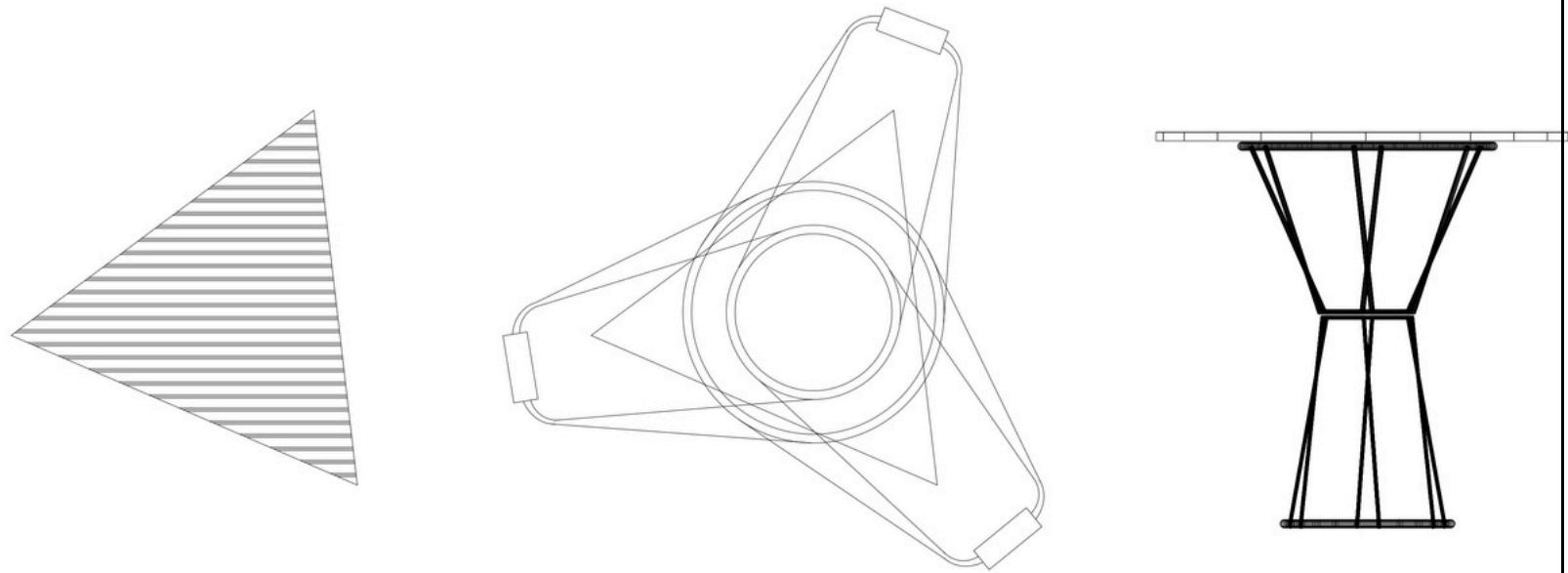
3 LEGS - Utilizing a terminal connector to secure the rods and facilitate rotational motion, the rotation angle surpassed the available space within the ring. Consequently, achieving full collapsibility was impeded, as the hooks continually intersected and hindered the collapsing process.

In the case of 4 legs, the issue of intersecting loops persisted, obstructing the smooth collapse of the structure. Additionally, the absence of significant overlap meant that the four legs diverged in four distinct directions, preventing any form of secure interlocking.

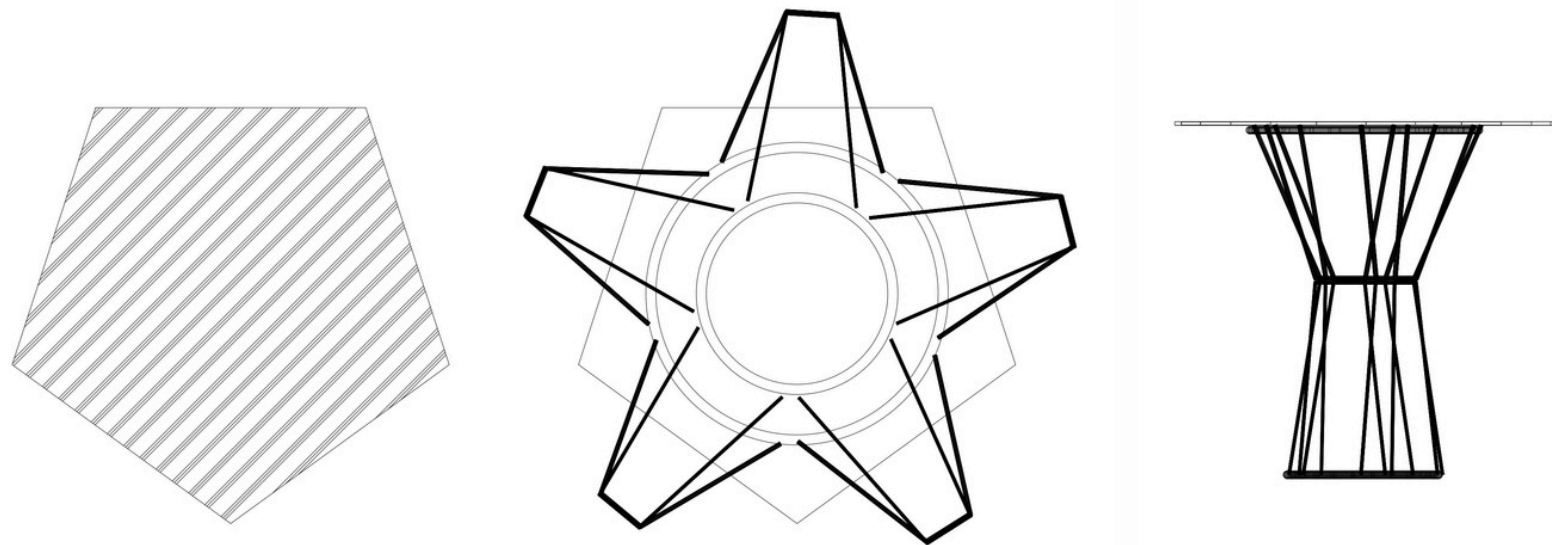


Opting for six legs proved to be the most optimal choice, as it prevented the hooks from obstructing each other during the collapsing process. The sole issue encountered was with the hooks disengaging from the base and top rings. To address this, an alternative solution was explored, which involved replacing the hooks with custom made ring terminals equipped with capsule holes to facilitate easy movement along various axis.

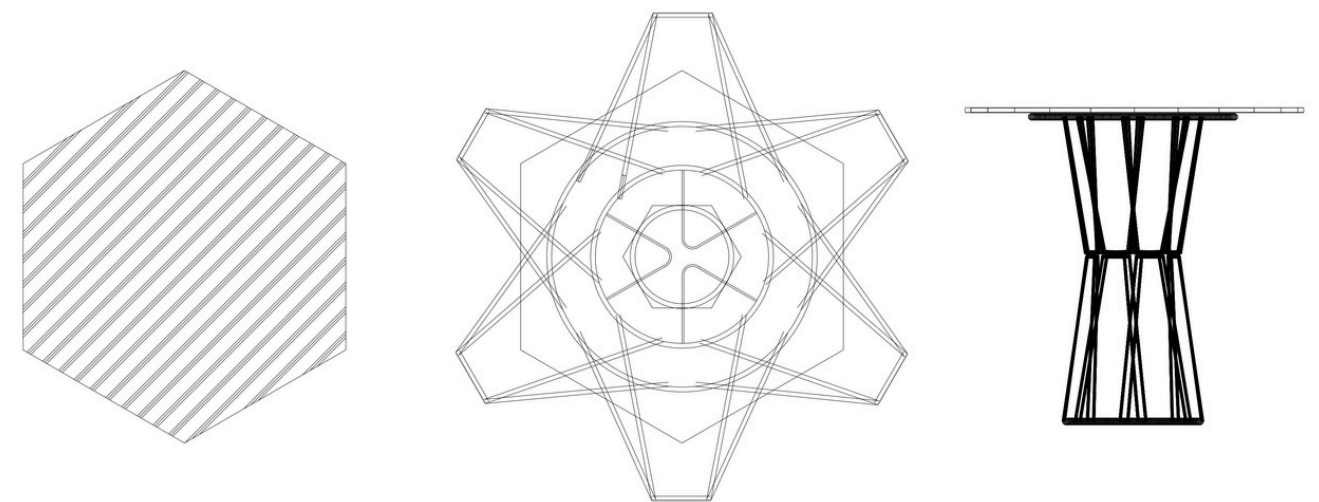
3 LEGS



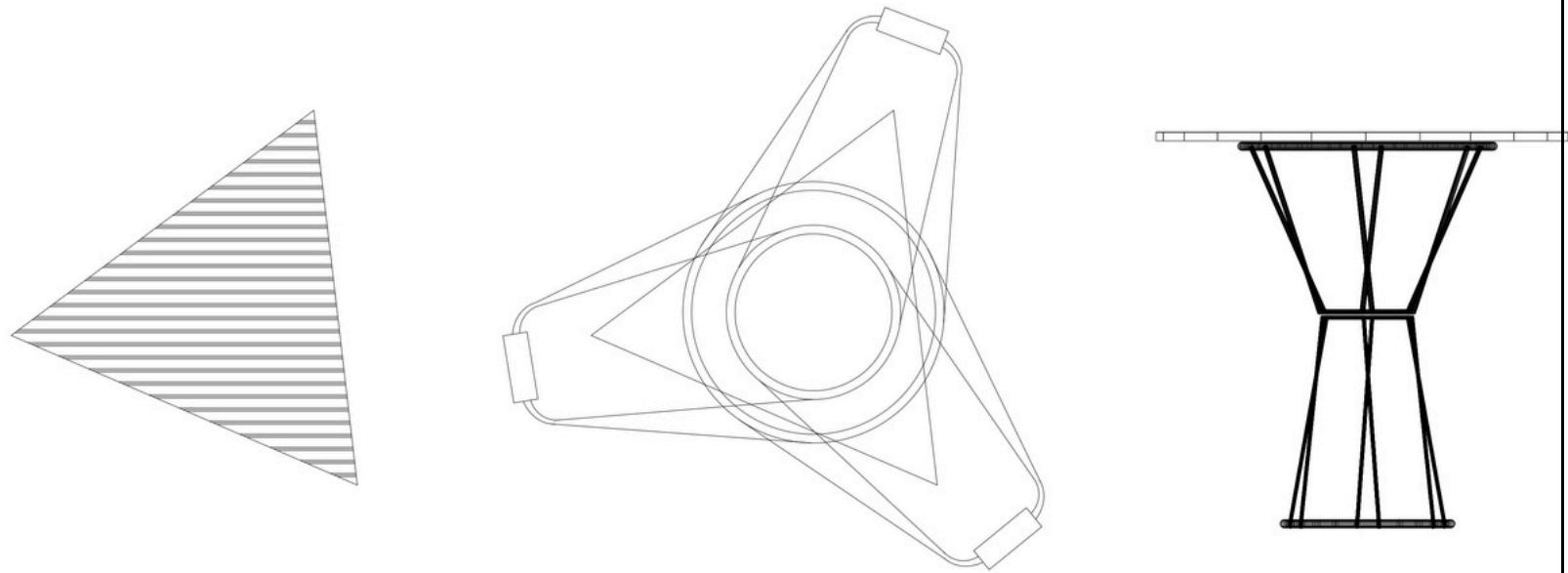
5 LEGS



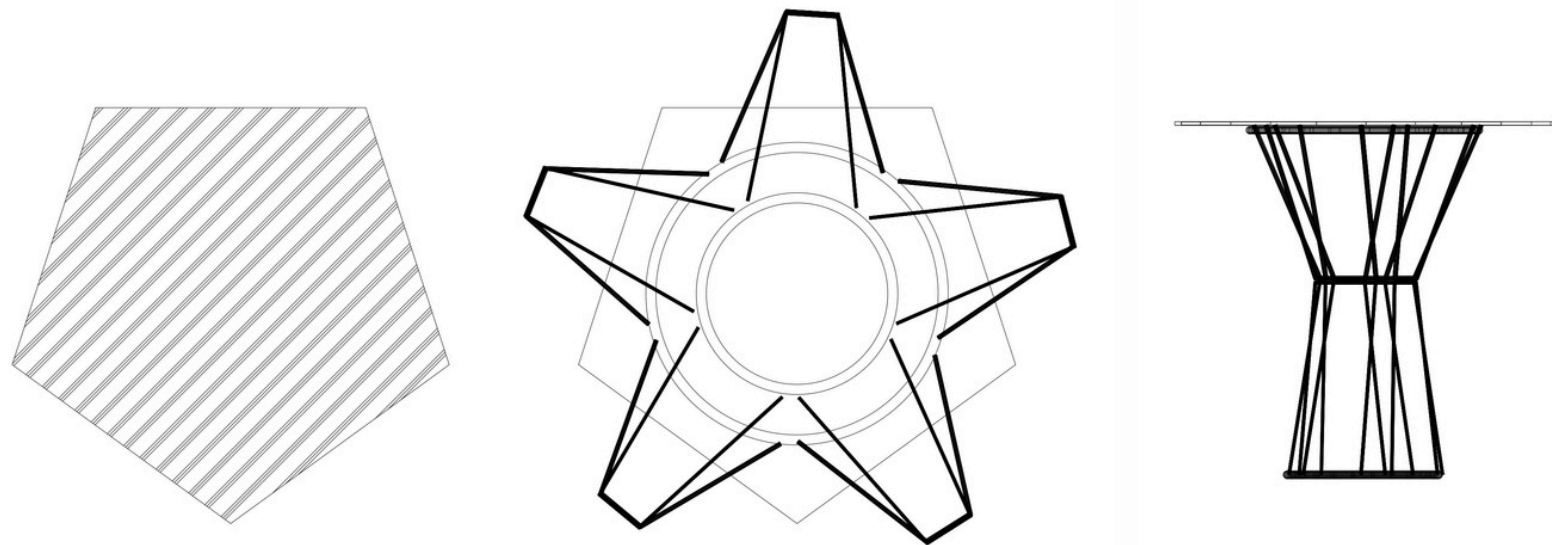
6 LEGS



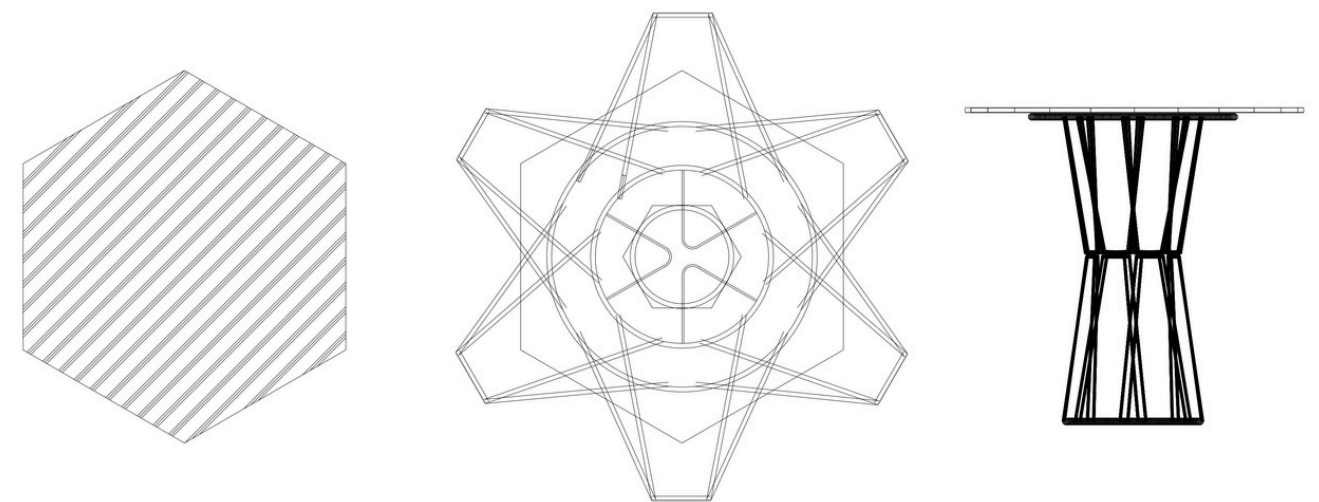
3 LEGS



5 LEGS



6 LEGS



INITIAL PROTOTYPE



FINAL PROTOTYPE

