SEBASTIAN ARAUX

INDUSTRIAL DESIGN

ABOUT

MEET THE DESIGNER

SEBASTIAN ARAUX INDUSTRIAL DESIGNER

WHAT // INDUSTRIAL DESIGN
WHERE // LOS ANGELES ,CA
WHEN // 2012 PRESENT
WHY // PASSION FOR DESIGN

Born in California, raised in Mexico. At the age of 13 I knew that I wanted to be an industrial designer. I've been sketching and striving to accomplish this dream since then.
Whenever I'm not sketching or building projects I enjoy listening to music, trying new foods or watching car blogs.

PROJECTS

ASTRID | LIGHTING

ILLUMINATING YOUR SENSES...



AHNELO | FURNITURE

COMFORT WITH STYLE...



AMBITIO | FURNITURE

FROM A UNIQUE ORIGIN...



SKID ROW | CONCEPT IDEA

HELPING FOR A FUTURE...



RIDGID | PRODUCT

WORK WITHIN YOUR COMFORT ZONE...



BMW | TRANSPORTATION

MADNESS AT ITS BEST...



ORIGEN | TRANSPORTATION

IT'S ALWAYS THE SAME DREAM...



COMBATTENTE | TRANSPORTATION

BORN TO RULE...



ASTRID LIGHTING

ILLUMINATING YOUR SENSES

OBJECTIVE

ASTRID MODERN LAMP

To design a modern lamp inspired by architectural styles.



INSPIRATION

BKK ARCHITECTS

BKK ABOUT

Is an Australian architectural practice based in Melbourne, Australia.

Realized commissions include a broad spectrum of residential, commercial, public and institutional buildings, as well as infrastructure and urban design projects.

The philosophy of BKK is design-based problem solving and is not limited to specific building typologies, although an emerging focus in their work is place making.





BKK AWARDS

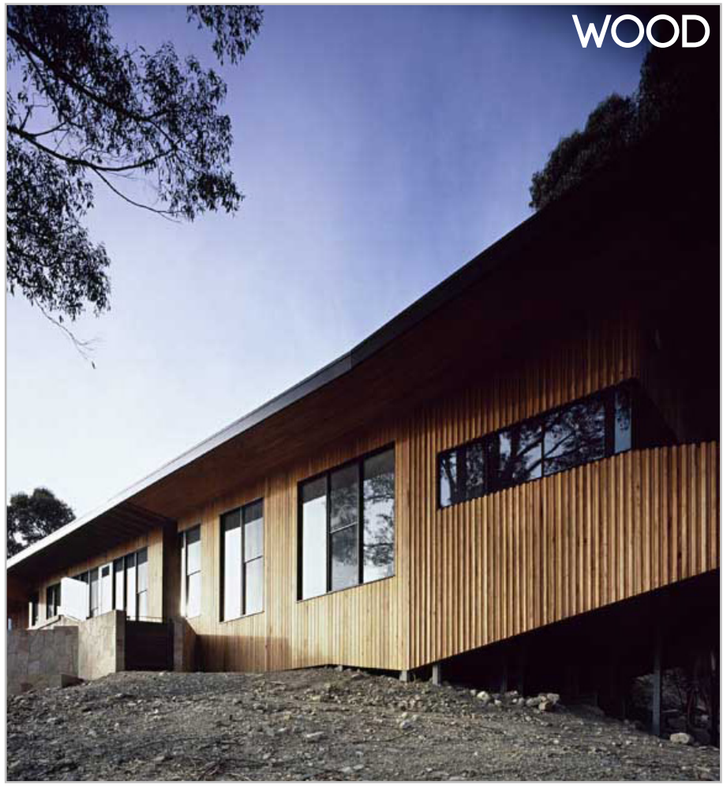
BKK Group has won many important architecture awards such as:
-2013 AIA National Architecture Awards.

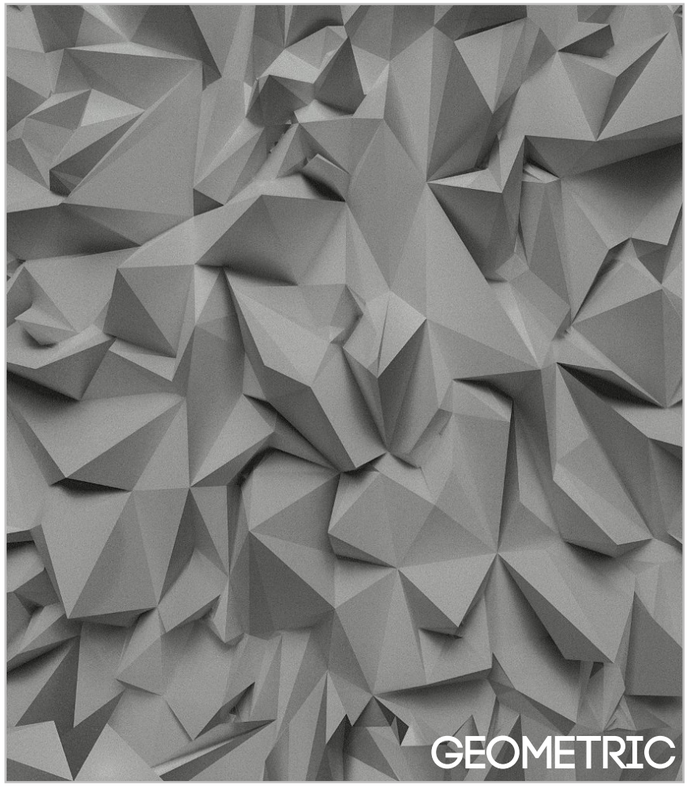
-2012 AIA Victorian Architecture Awards.

-2012 Premier's Design 2012 Awards.

-And many more...







BKK style is recognizable by its use of wood and cornered modern design.

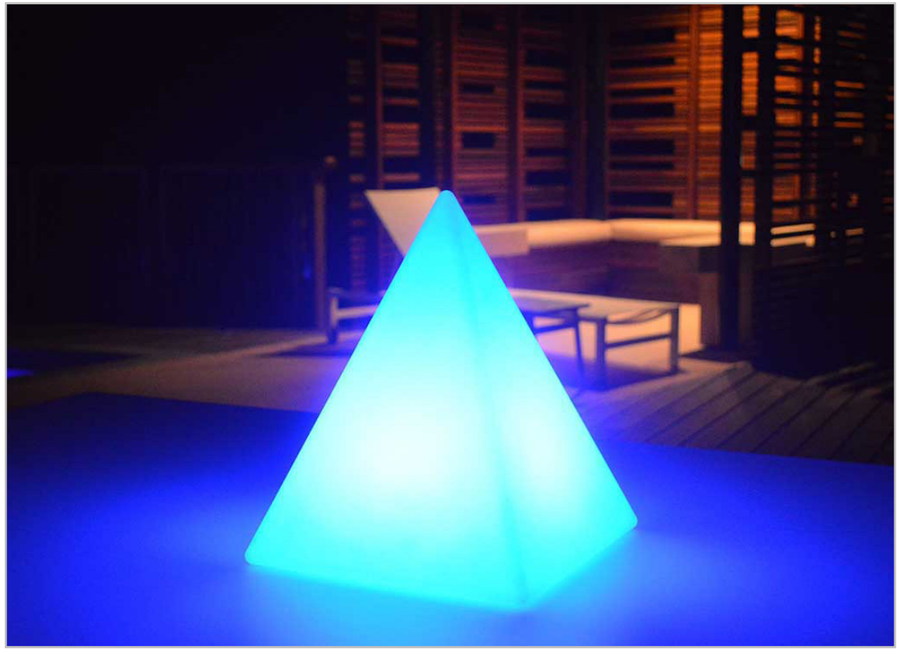
DESIGN DIRECTION



Geometric shapes make the design Modern and unique.



Simplicity with wood is always a good design.

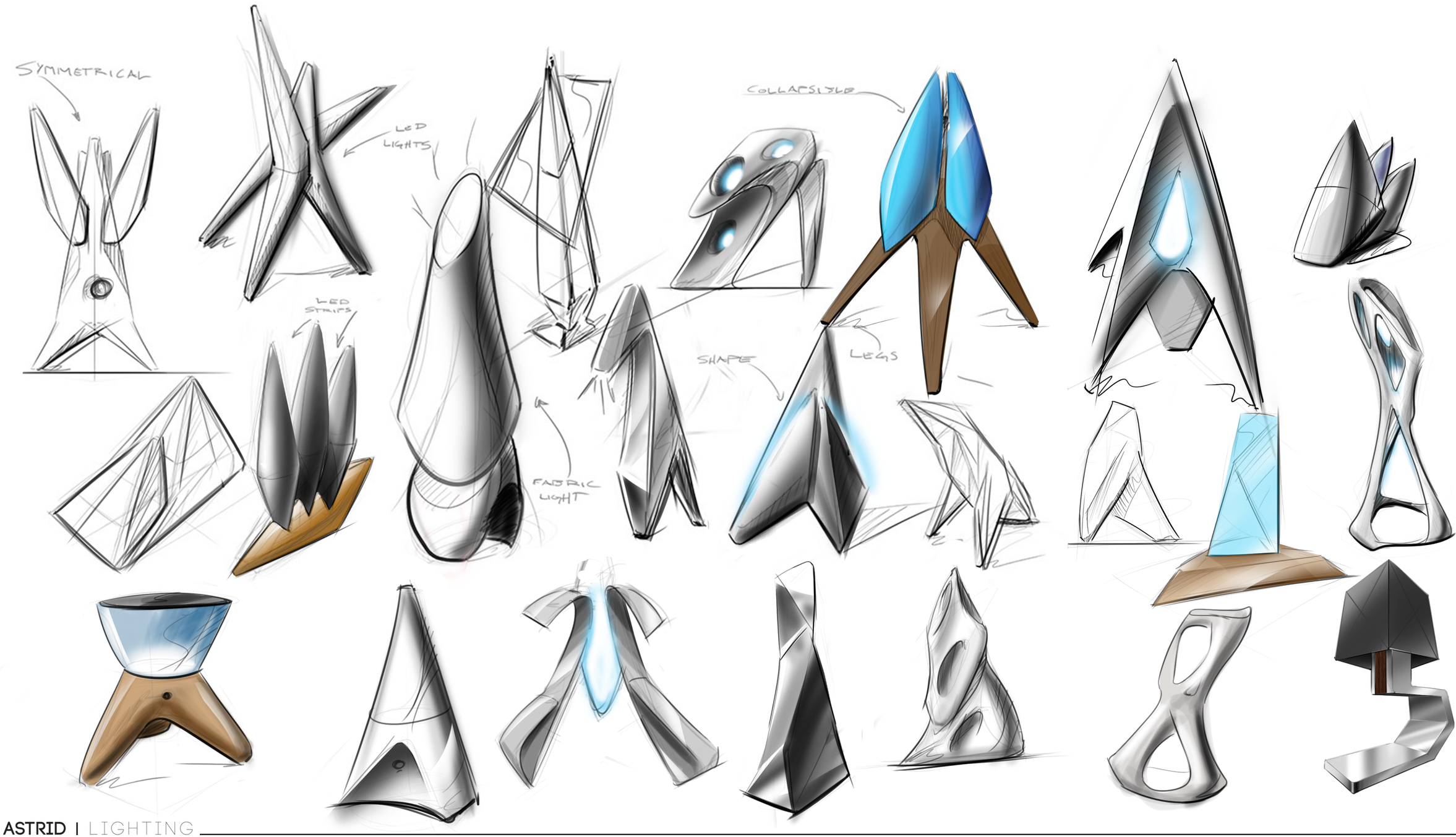


Just a minimal glow is enough needed to illuminate any room.

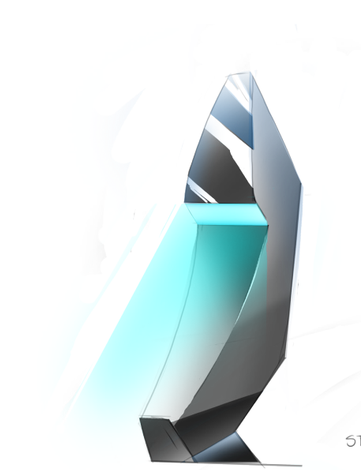


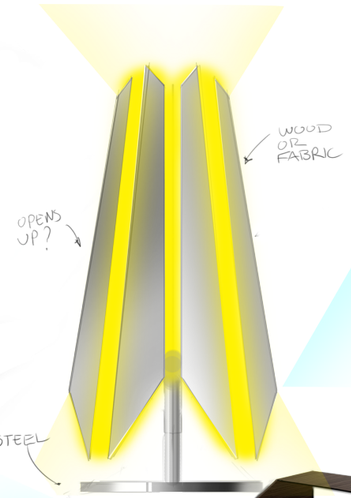
Symmetry is for balance; balance is for aesthetics.

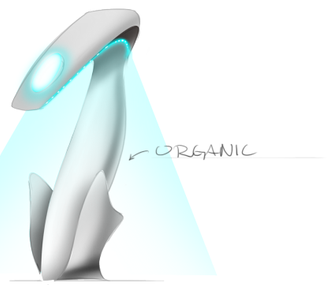
BRAINSTORMING

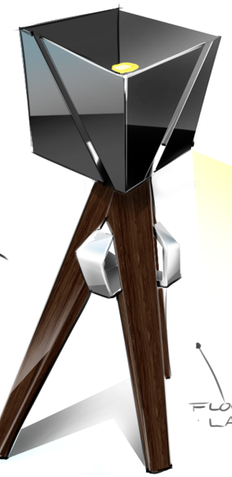


IDEATION

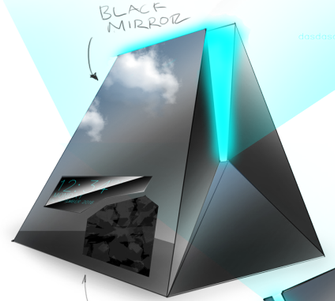


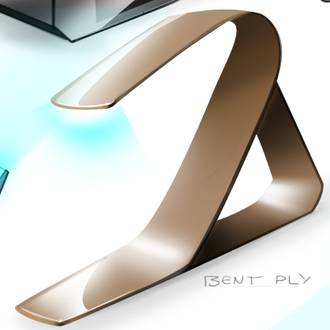

WOOD OR FABRIC
OPENS UP?
STEEL

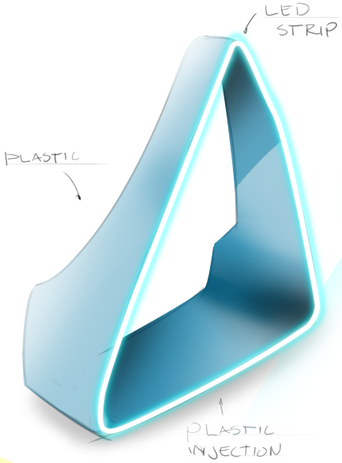

ORGANIC

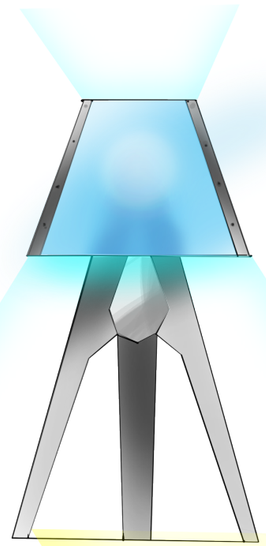

LED'S HIDDING


clock

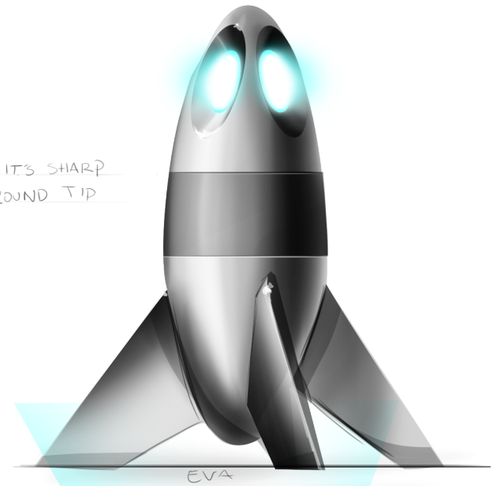

BLACK MIRROR
CLOCK AND SPEAKER

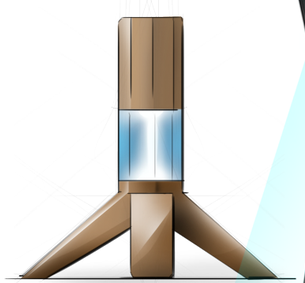

BENT PLY

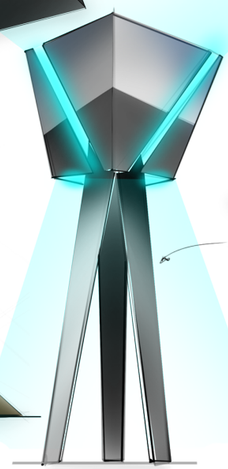

PLASTIC
LED STRIP
PLASTIC INJECTION MOLD.

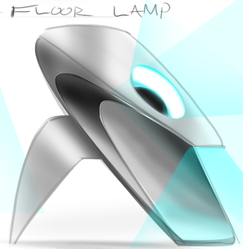


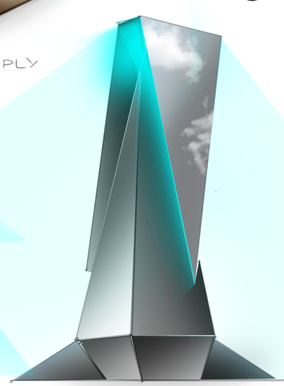

IT'S SHARP ROUND TIP
DIAMONT SHAPE

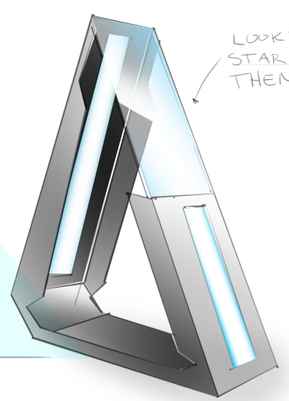

EVA

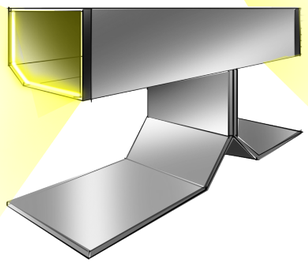



FLOOR LAMP

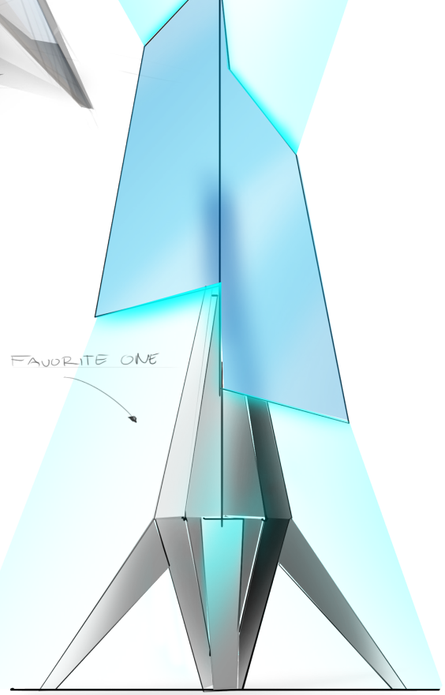

FUTURISTIC



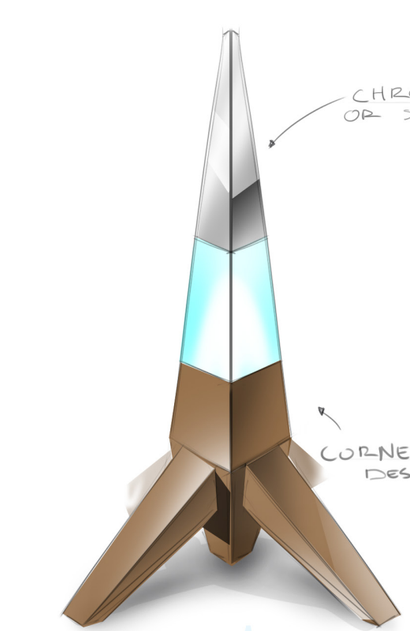

LOOKS LIKE STAR WARS THEME

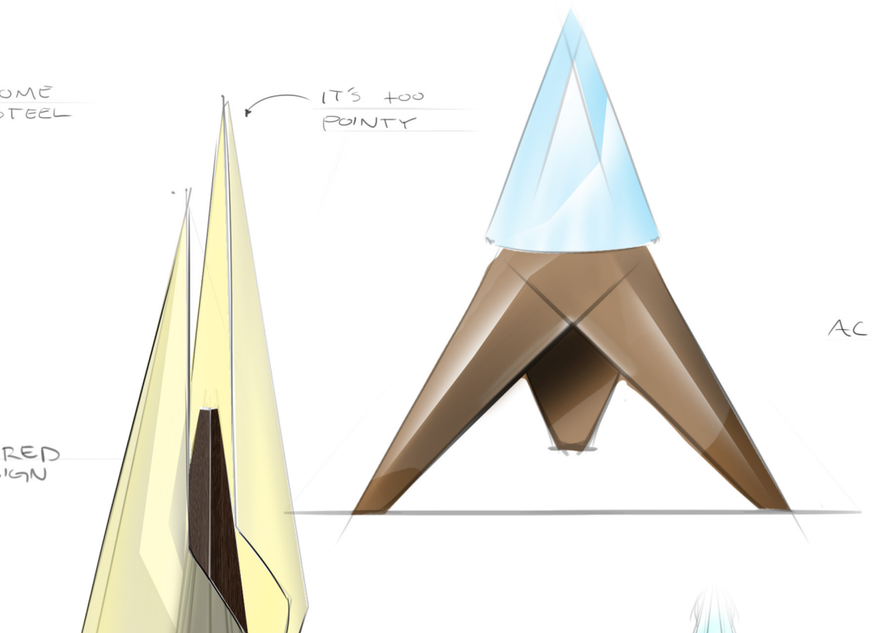


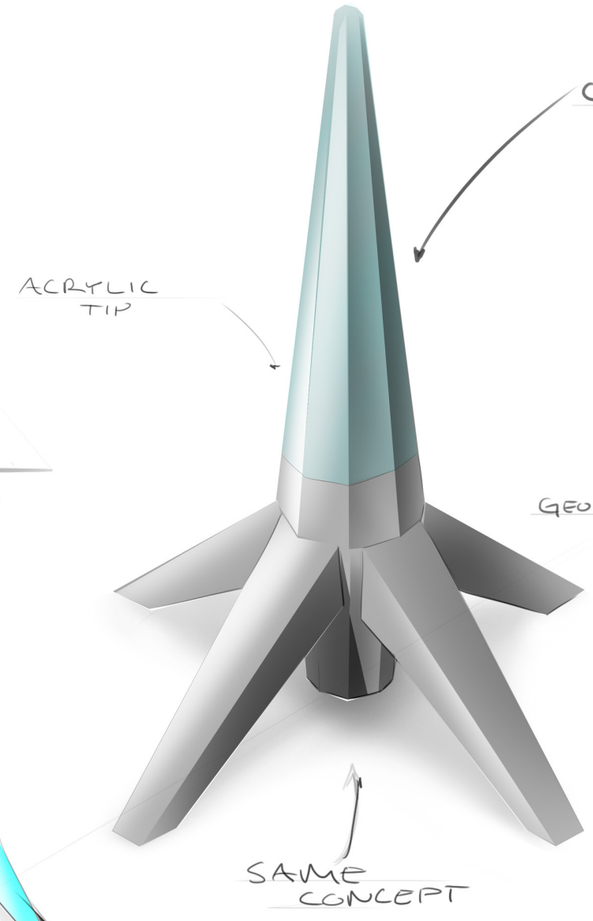


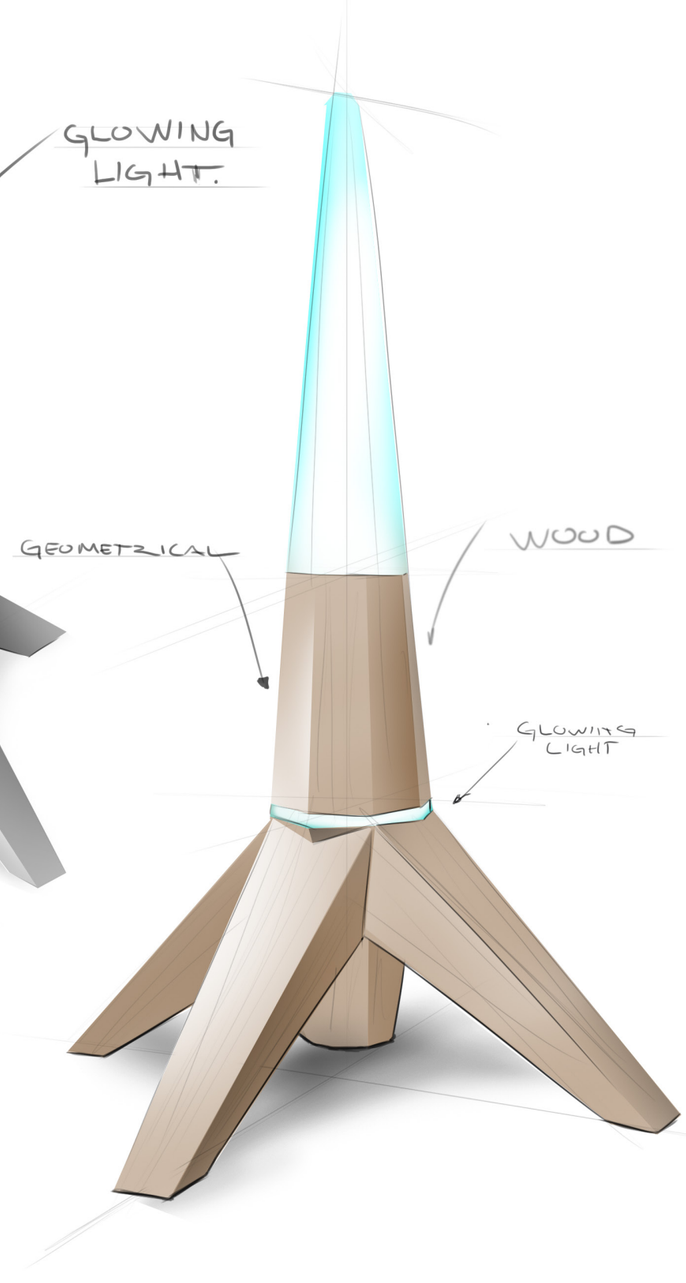

FAVORITE ONE

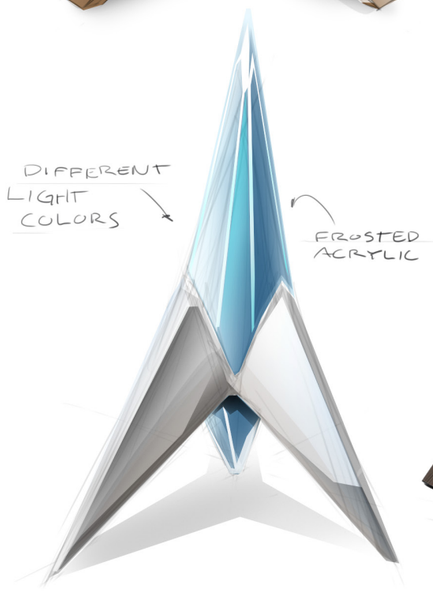
PRELIMINARY DESIGNS

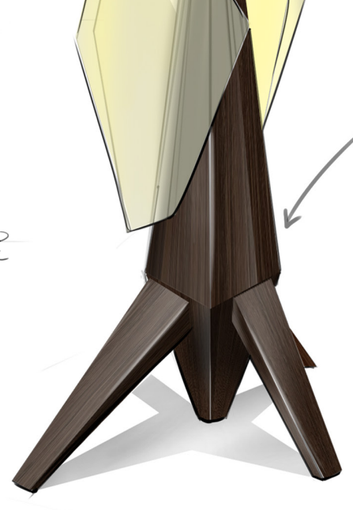


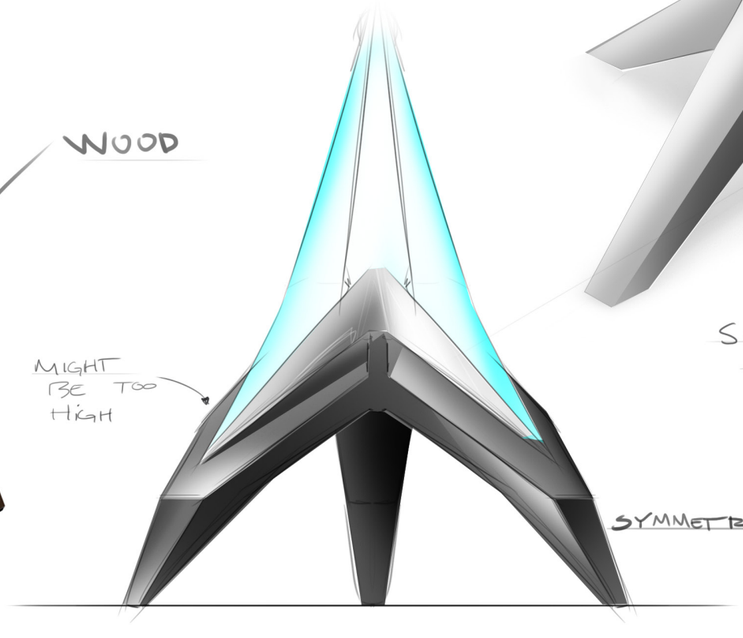




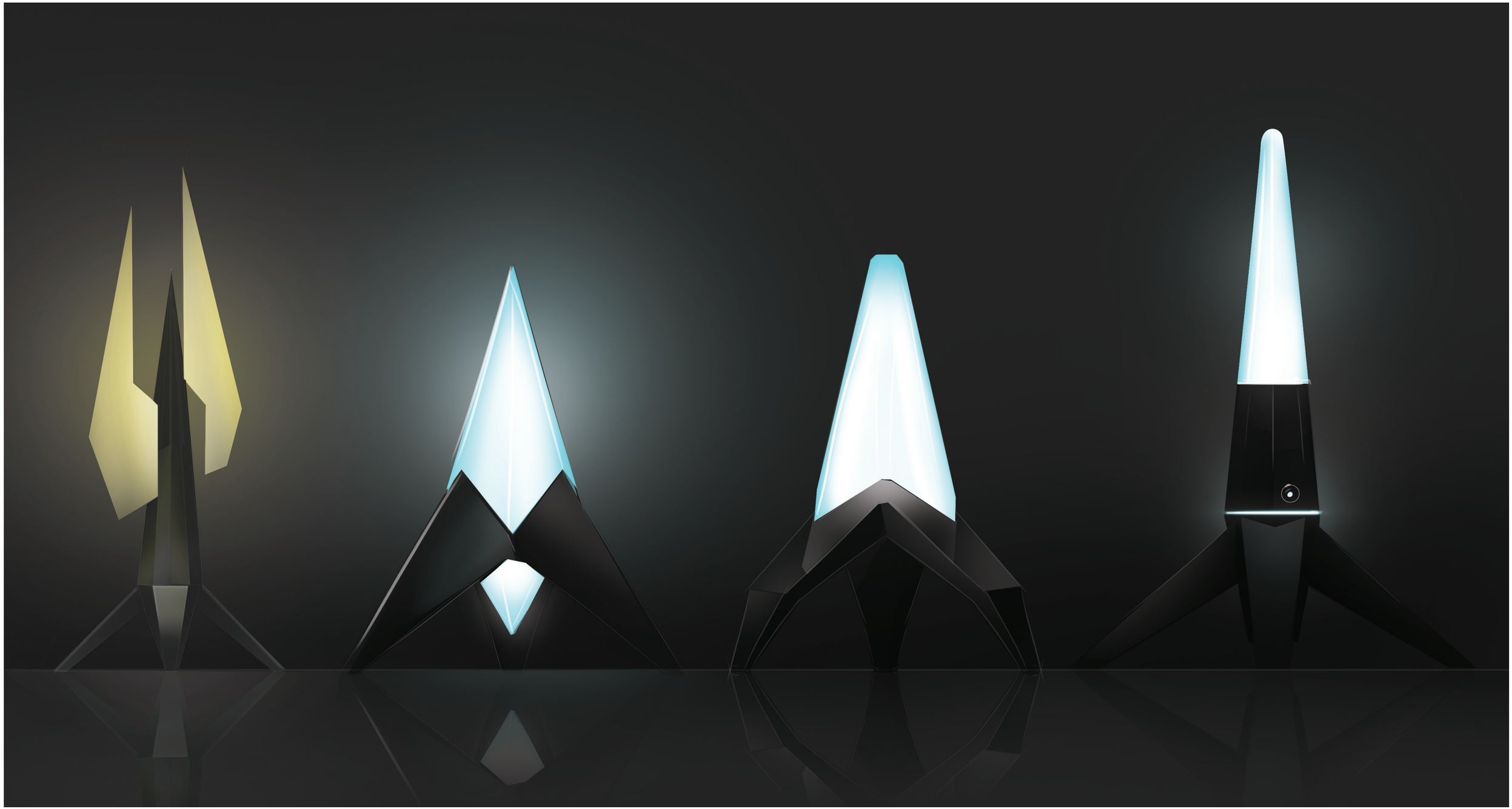




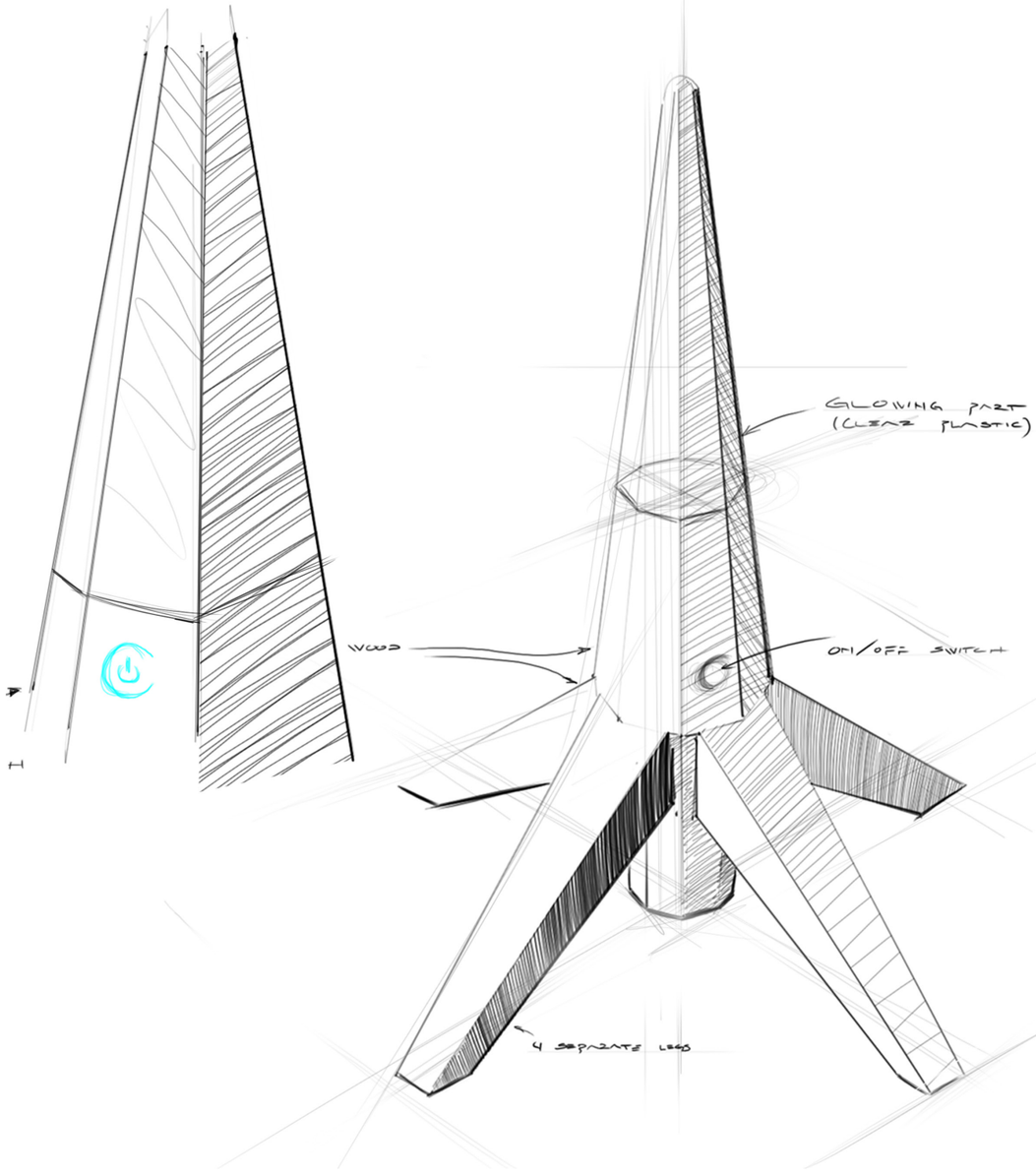


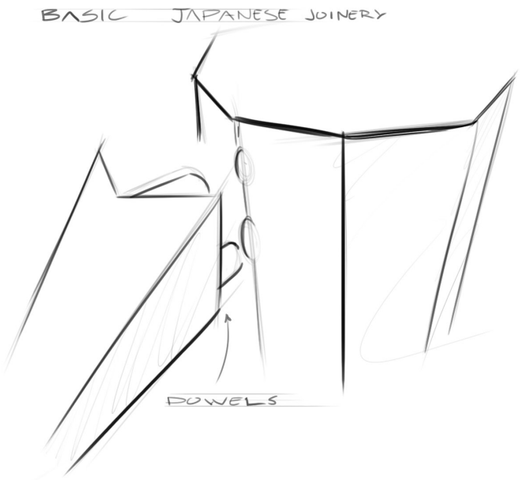


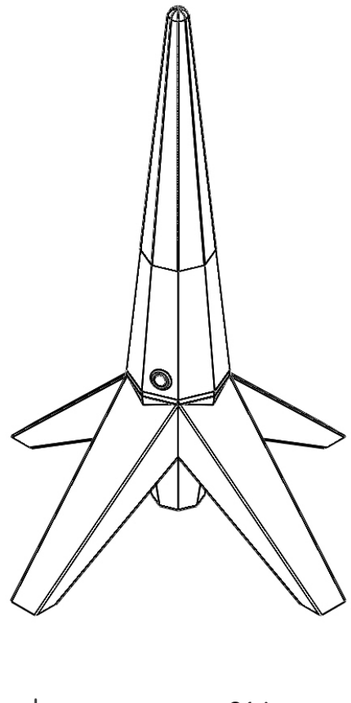
LIGHT STUDIES

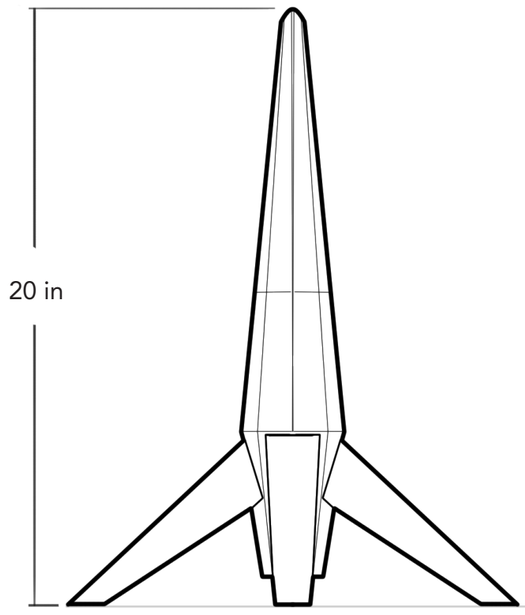


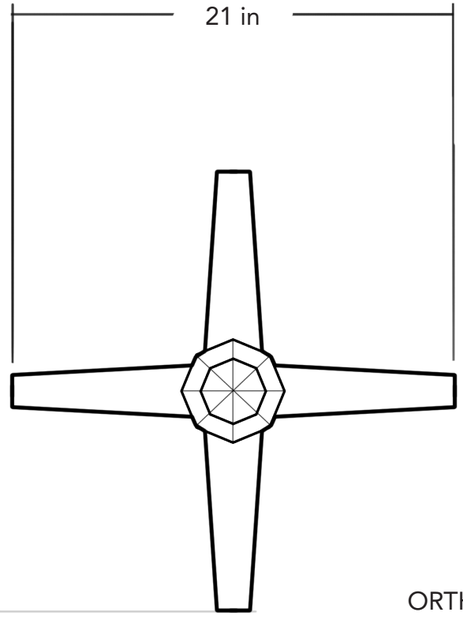
ORTHOGRAPHICS



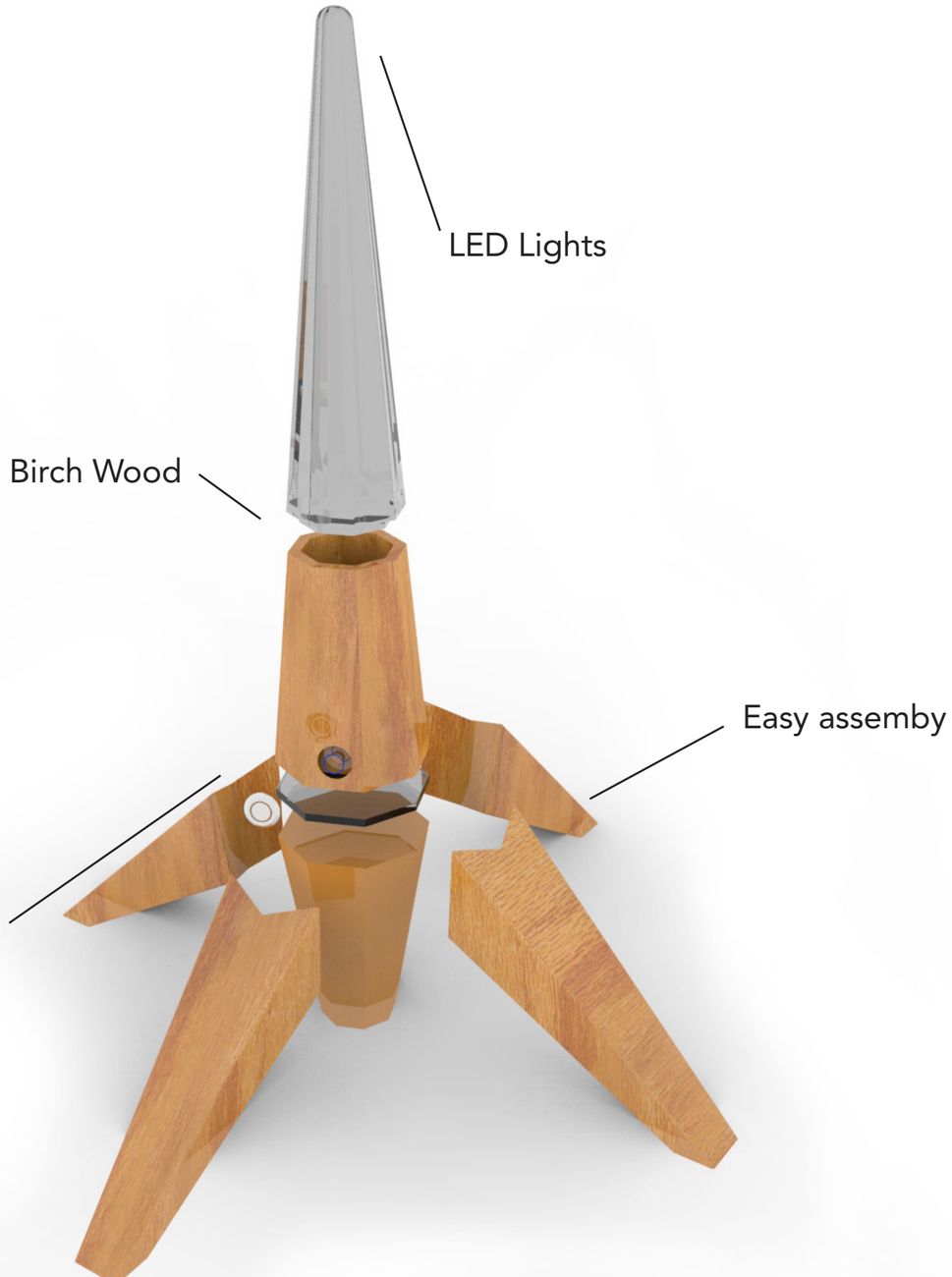








FEATURES



Solidworks exploded view

ASTRID FEATURES

-ASTRID proves that utilitarian design, honest construction of simple materials can both reflect an industrial heritage and perfectly accent a domestic environment.

-ASTRID displays its carefully chosen materials that carry a clear messages: wood with its warmth and life; aluminium for its feelings of stability, reliability, trust and frosted acrylic plastic for its intimate glow, as well as its tactility.

-LED lights are the sustainable choice, and the smart, functional choice.

-Small and easy to place anywhere you want to bring some coziness and mood lighting into your home.

-Astrid is collapsible into 8 parts that can be flatten to fit a small package.

-Easy to assemble.

COLOR STUDIES

ASTRID MATERIALS

A graceful interplay of proportion and materials, the Astrid Lamp was designed to illuminate interiors from traditional to modern. With its variety of materials the Astrid lamp can be customed in different colors and textures.

Cedar	Cherry	Polyester
Fir	Mahogany	Acrylic
Pine	Maple	Thermoplastics
Redwood	Oak	Polyamide-Imide
Ash	Poplar	Polybutylene
Birch	Walnut	and many more...

Most of the woods and plastic listed below are common at factories throughout the U.S and other countries such as China and Mexico where production cost can be very low having these quality materials.



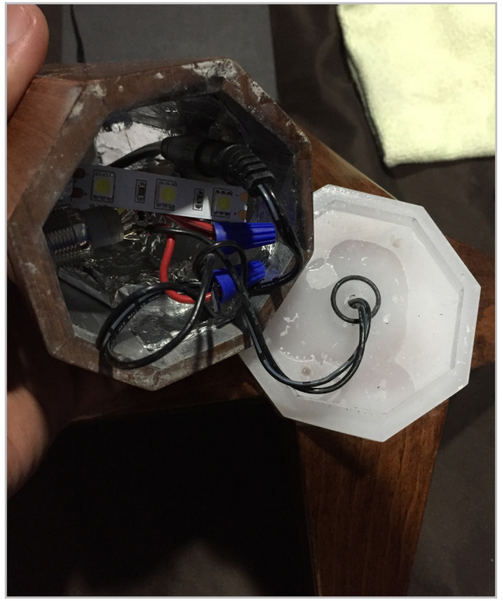
Solidworks models rendered with Keyshot.

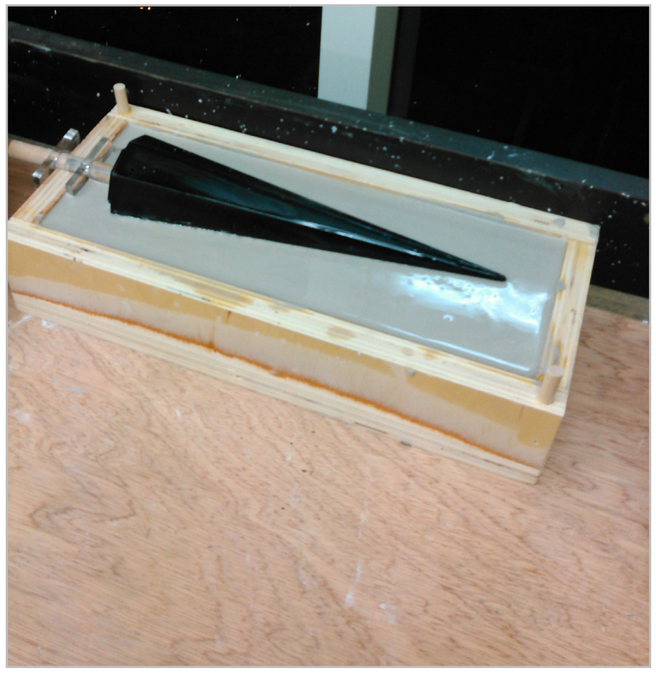
BUILDING PROCESS





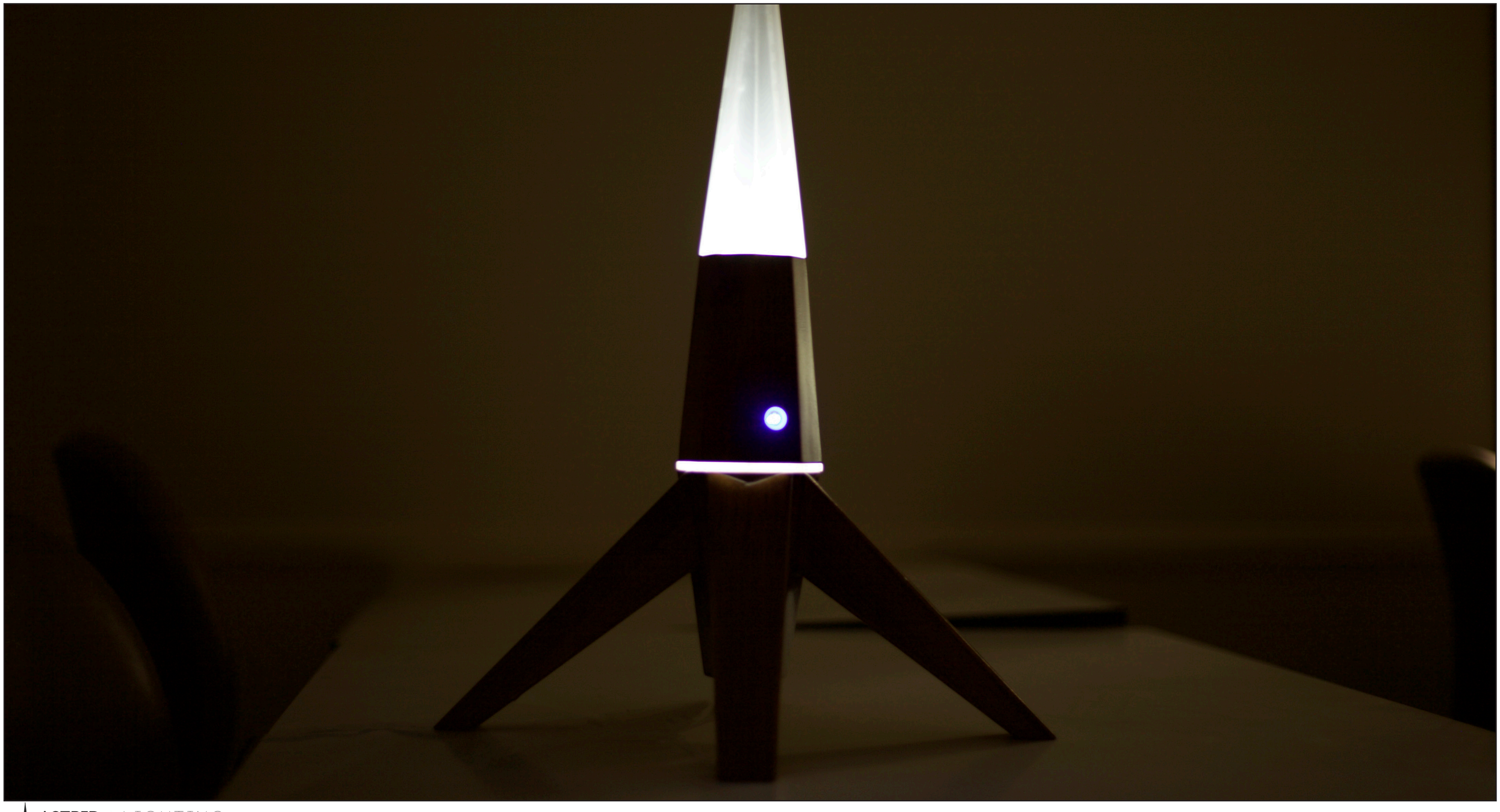








FINAL DESIGN



FINAL DESIGN



AHNELO FURNITURE

COMFORT WITH STYLE

OBJECTIVE

AHNELO LOUNGE CHAIR

To design a comfortable modern chair that provides aesthetics to any room interior.



INSPIRATION

BENT PLY FURNITURE.

BENT PLYWOOD ABOUT

Bent Ply is beautiful, strong, and flexible in ways that make its appeal to designers obvious, but making bent-ply furniture can be a real challenge.

To make bent ply pieces you need gigantic industrial molds and use special glues that can only be cured in the machines. Smaller Bent Ply furniture can be made in a regular woodshop without much more than a band saw, table saw, and a bunch of good clamps.



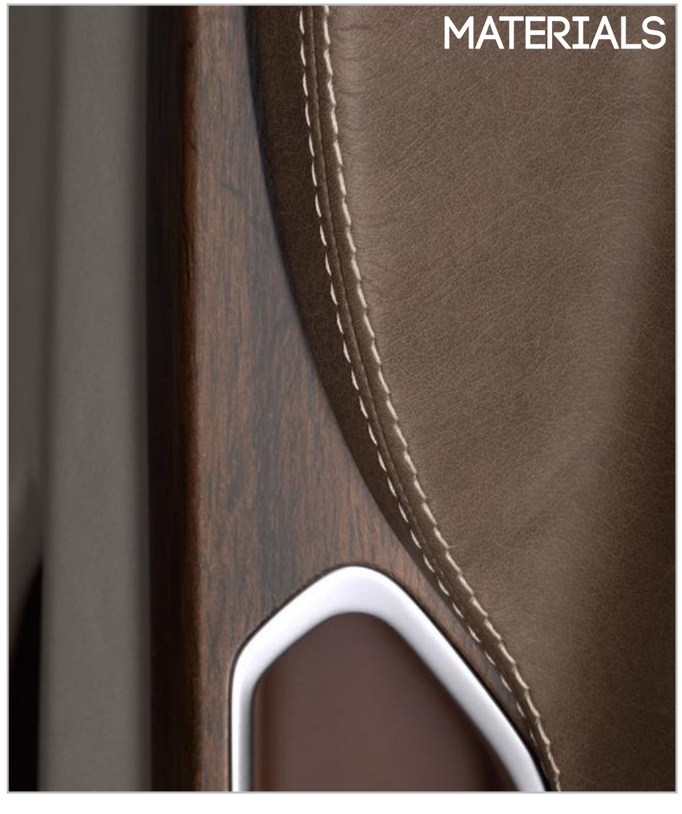
LEATHER ABOUT

Leather furniture is a very popular choice for many families' living rooms. It's a look that has been popular for many years and will never go out of style. Different types of leather are used in furniture and each has its own characteristics.

Now-a-days leathers are produced using the most advanced environmentally friendly techniques available in leather production. Natural Vegetable tanning recipes combined with other water based ecological friendly materials.

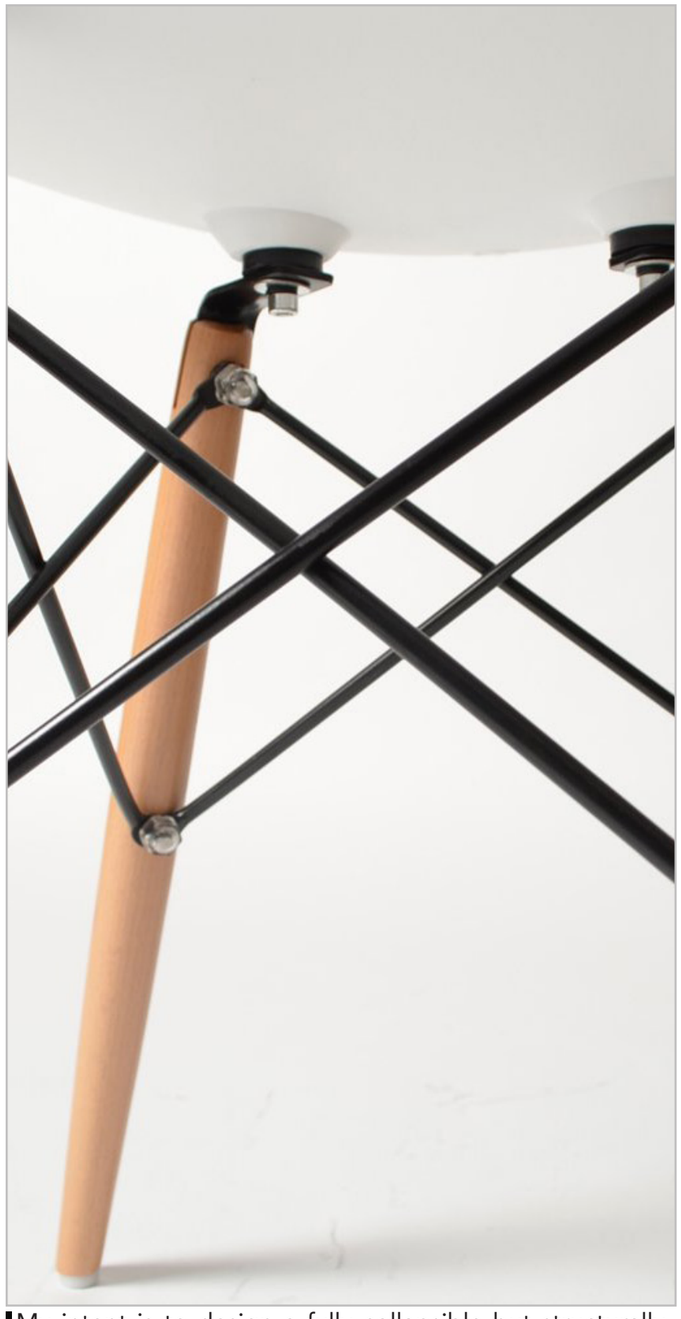




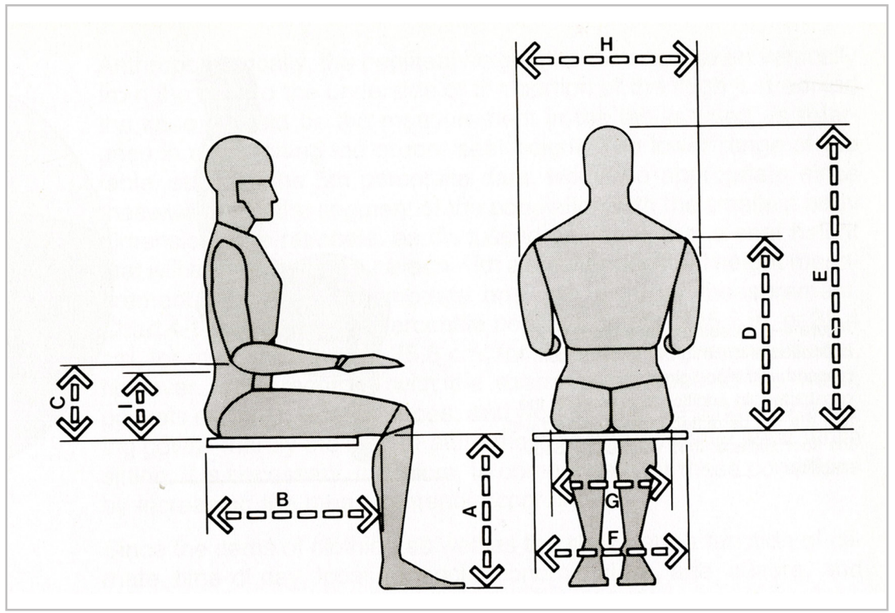


Comfort and the right use of materials always will go hand in hand.

DESIGN DIRECTION



My intent is to design a fully collapsible but structurally stable chair.



Human factors were involved into my design.

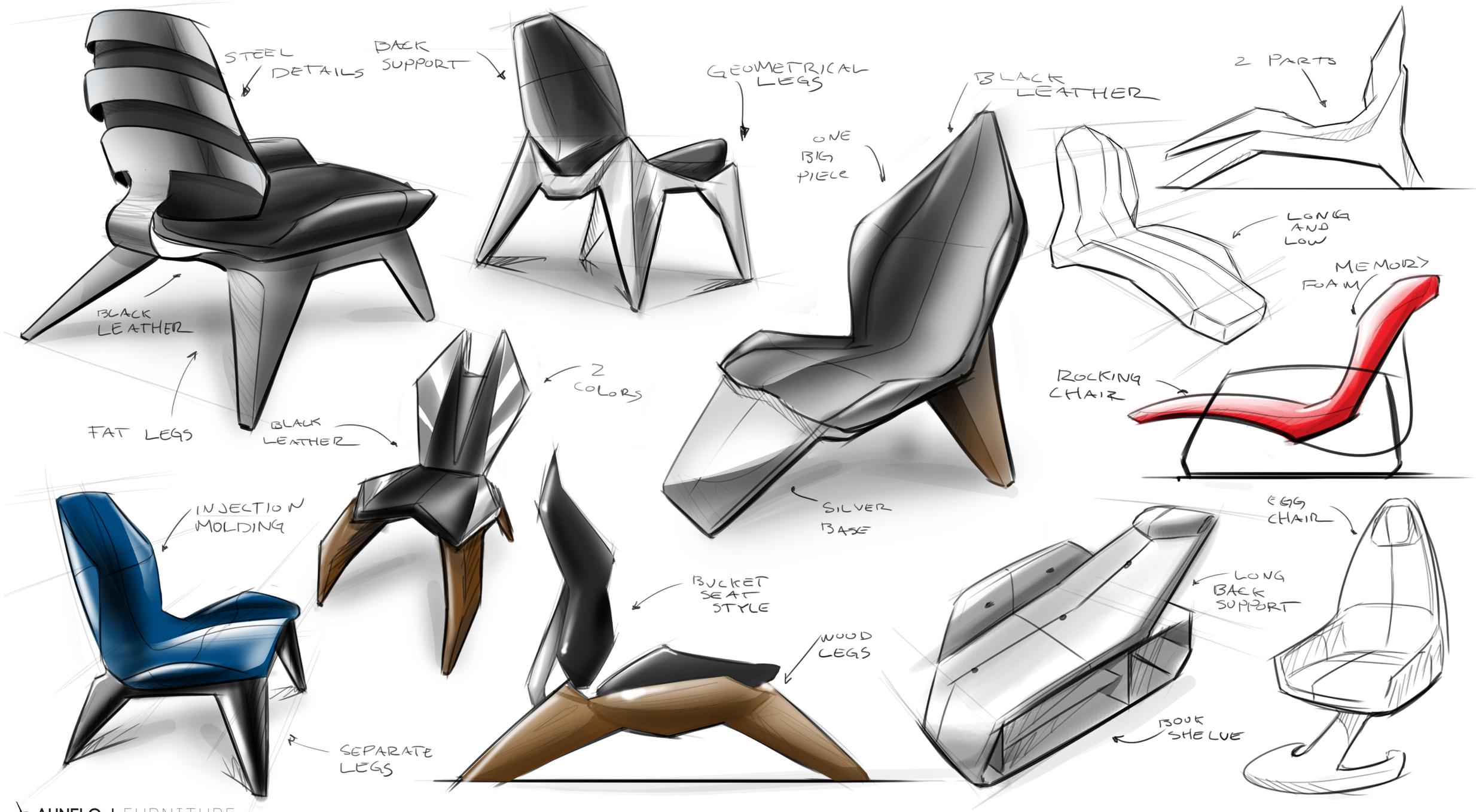


Wood has beautiful pattern and lines. It is naturally beautiful already.

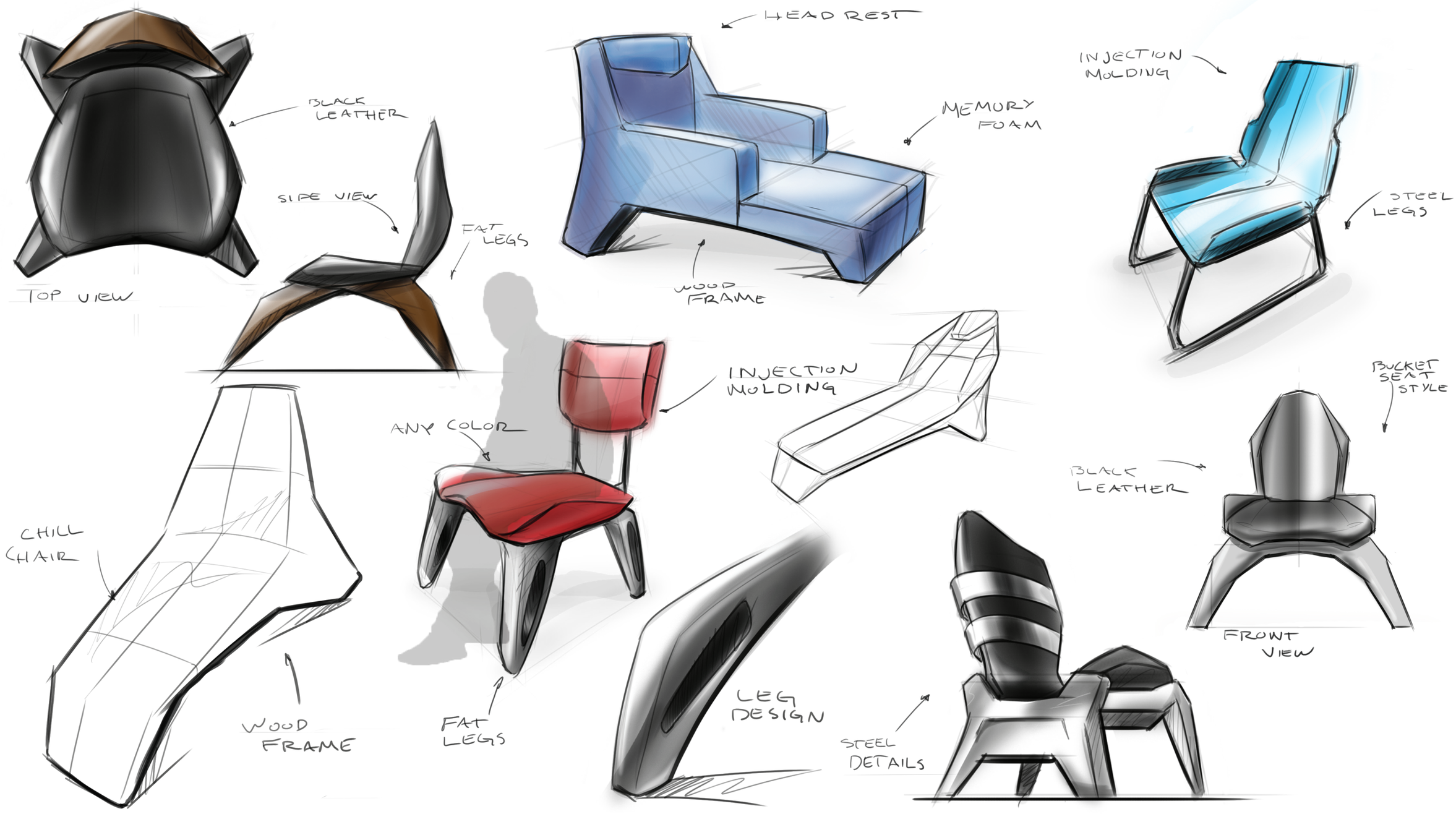


I want to bring the elusive quality of user comfort.

IDEATION


STEEL DETAILS
BACK SUPPORT
GEOMETRICAL LEGS
BLACK LEATHER
2 PARTS
ONE BIG PIECE
LONG AND LOW
MEMORY FOAM
BLACK LEATHER
FAT LEGS
2 COLORS
BLACK LEATHER
ROCKING CHAIR
SILVER BASE
INJECTION MOLDING
BUCKET SEAT STYLE
WOOD LEGS
EGG CHAIR
LONG BACK SUPPORT
SEPARATE LEGS
BOOK SHELVE

IDEATION


BLACK LEATHER
TOP VIEW
SIDE VIEW
FAT LEGS
HEAD REST
MEMORY FOAM
WOOD FRAME
INJECTION MOLDING
STEEL LEGS
INJECTION MOLDING
ANY COLOR
FAT LEGS
BUCKET SEAT STYLE
BLACK LEATHER
FRONT VIEW
CHILL CHAIR
WOOD FRAME
LEG DESIGN
STEEL DETAILS

REDEFINEMENT









REDEFINEMENT





MATERIAL STUDIES

The Ahnelo chair can be available in a variety of veneers, woods, multiple leather and a range of fabric options, and patterns.

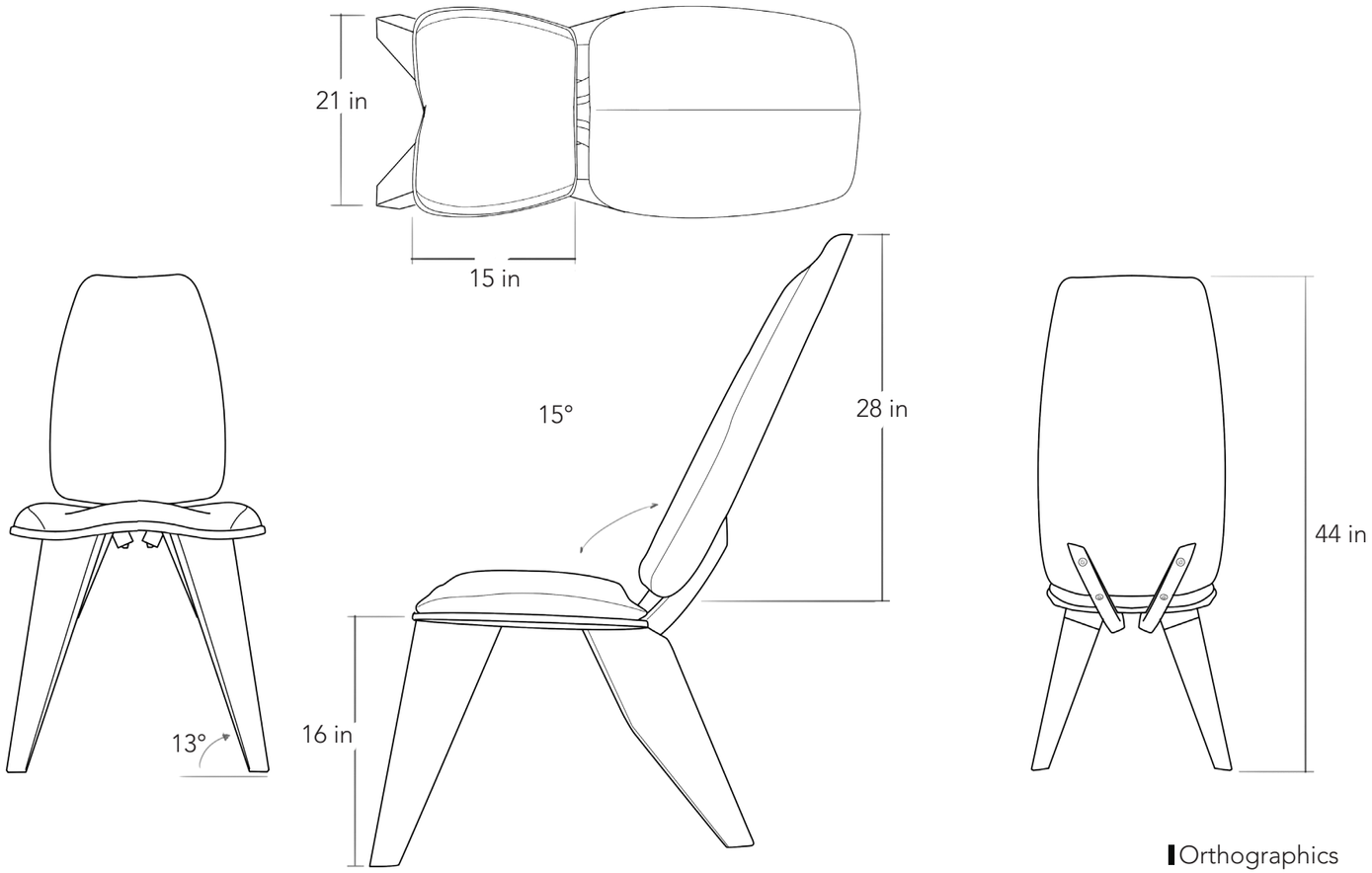


FABRICATION

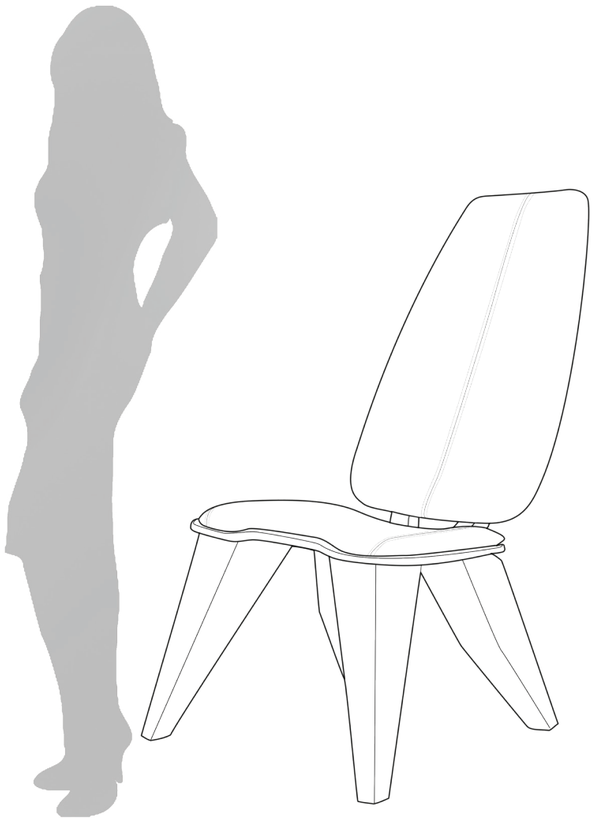
AHNELO ORTHOGRAPHICS

DIMENSIONS:

Length: 86in + 40in with side table
Width: 33.5in
Height: 33 in
Weight: estimate of 40lb



Orthographics



Isometric view

Fabrication Process







FEATURES



Modern design to match any interior environment.



Bent Plywood shaped to fit everyone's body and provide maximum comfort.



Interchangeable Cover for unlimited possibilties of having different colors, materials and textures.



Universal hardware and basic joinery makes the Ahnelo chair easy to assemble and disassemble.



Memory foam, bent plywood and soft leather were added to the design provididing the best of ergonomics to the user and a unique style to any living spaces.

FINAL DESIGN









AMBITIO FURNITURE

FROM A UNIQUE ORIGIN

OBJECTIVE

AMBITIO MODERN SOFA

To design a sofa inspired by designer Charles Eames.



INSPIRATION

EAMES STYLE

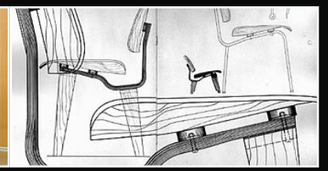
CHARLES EAMES ABOUT

American designer who made significant historical contributions to the development of modern architecture and furniture. Among their most well-known designs is the Eames Lounge Chair.

As a young man he worked for engineers and manufacturers, anticipating his lifelong interest in mechanics and the complex working of things.



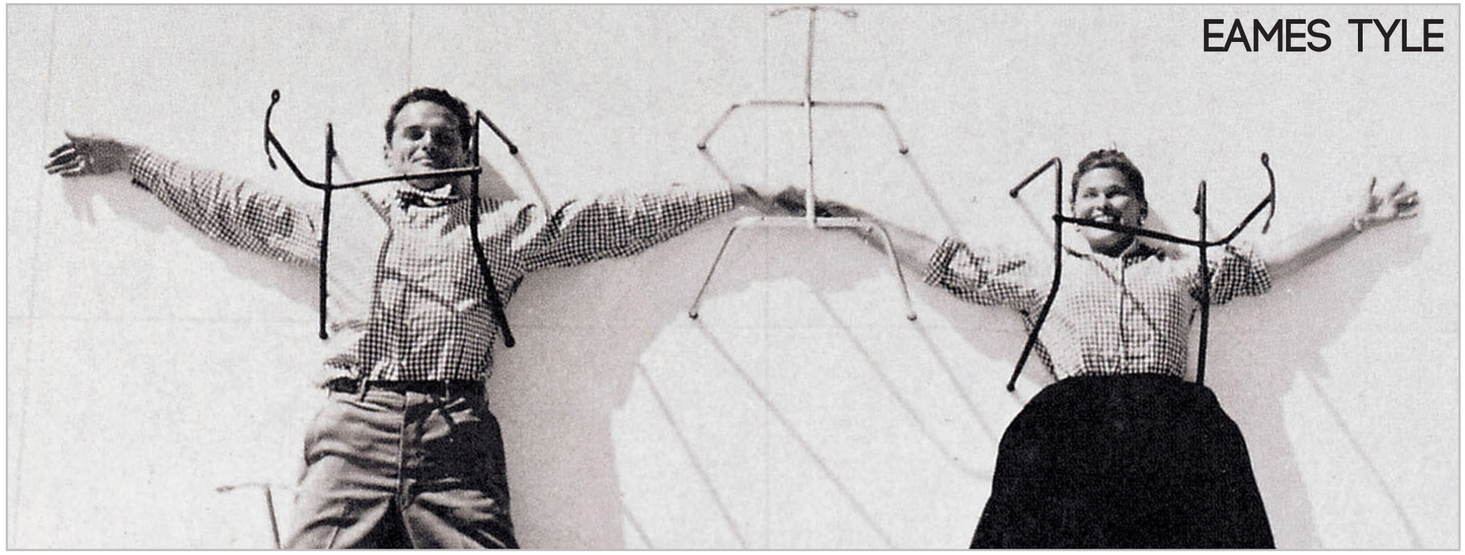


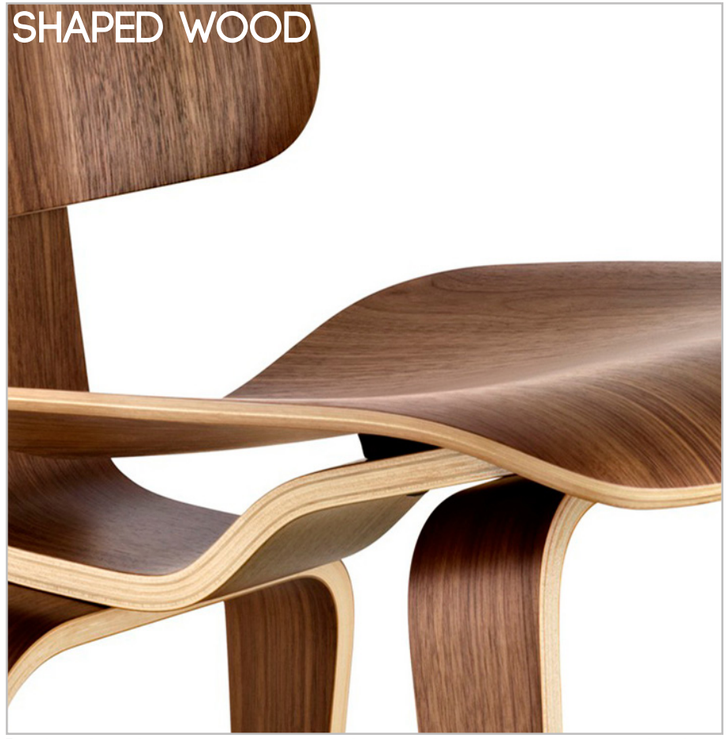


STYLE ABOUT

Charle's unique synergy led to a whole new look in furniture. Lean and modern. Sleek, sophisticated and simple. Beautifully functional.

With his bent plywood chairs or molded fiberglass seating.
He had ideas about making a better world, one in which things were designed to fulfill the practical needs of ordinary people and bring greater simplicity and pleasure to our lives.

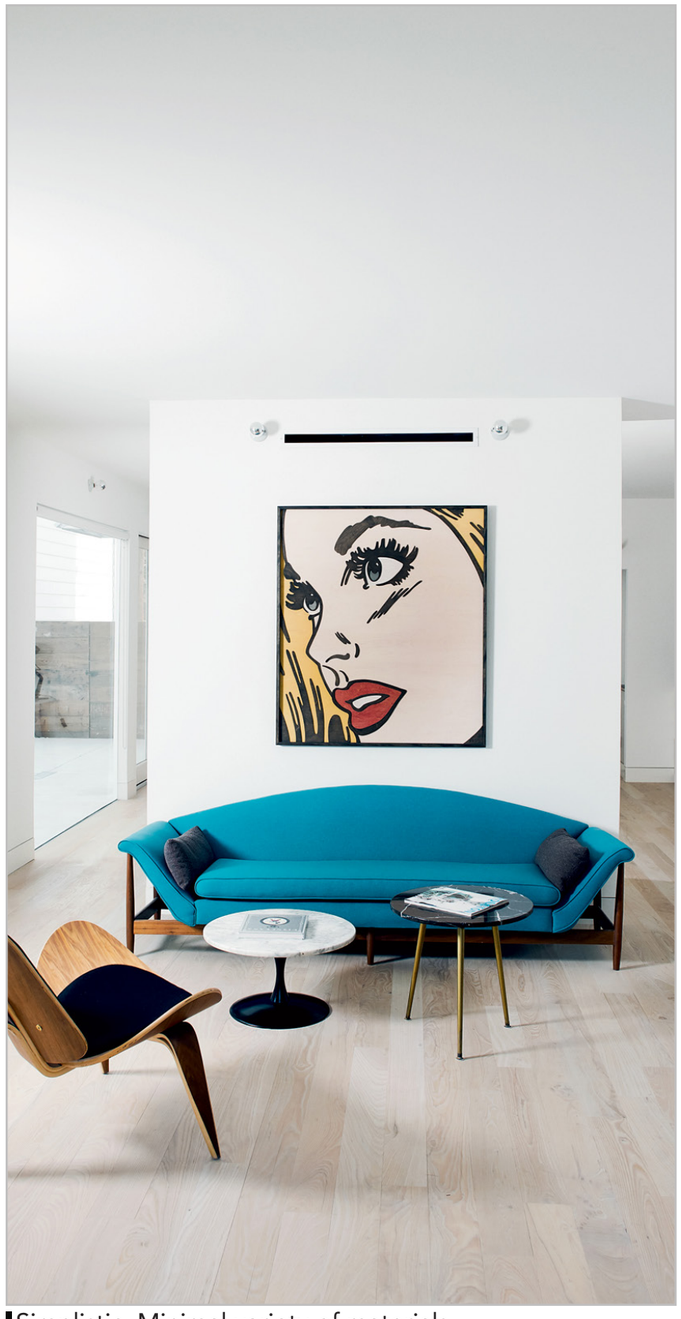






"The details are not details. They make the design." - Charles Eames.

DESIGN DIRECTION



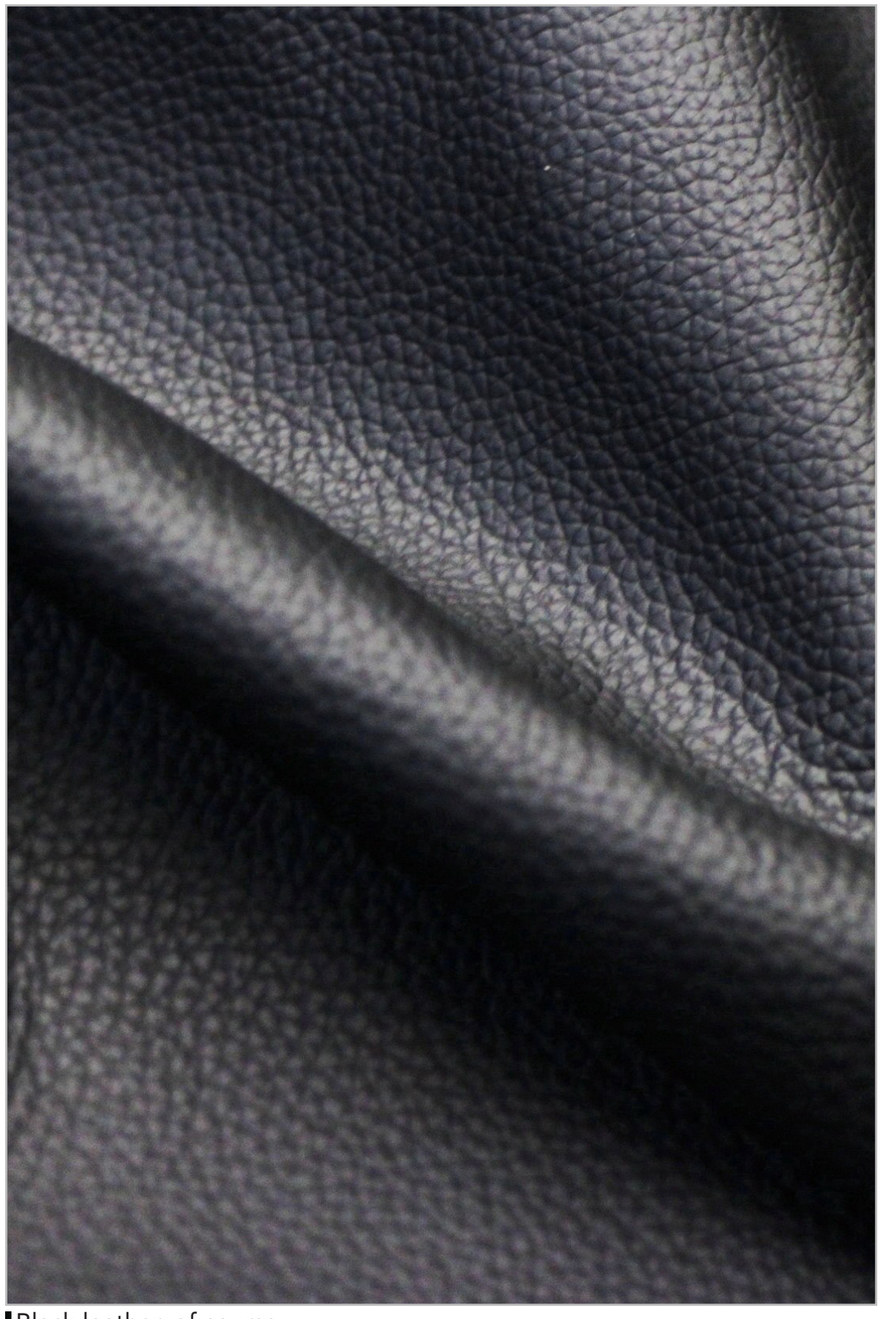
Simplistic. Minimal variety of materials.



I want it to be Multifunctional.

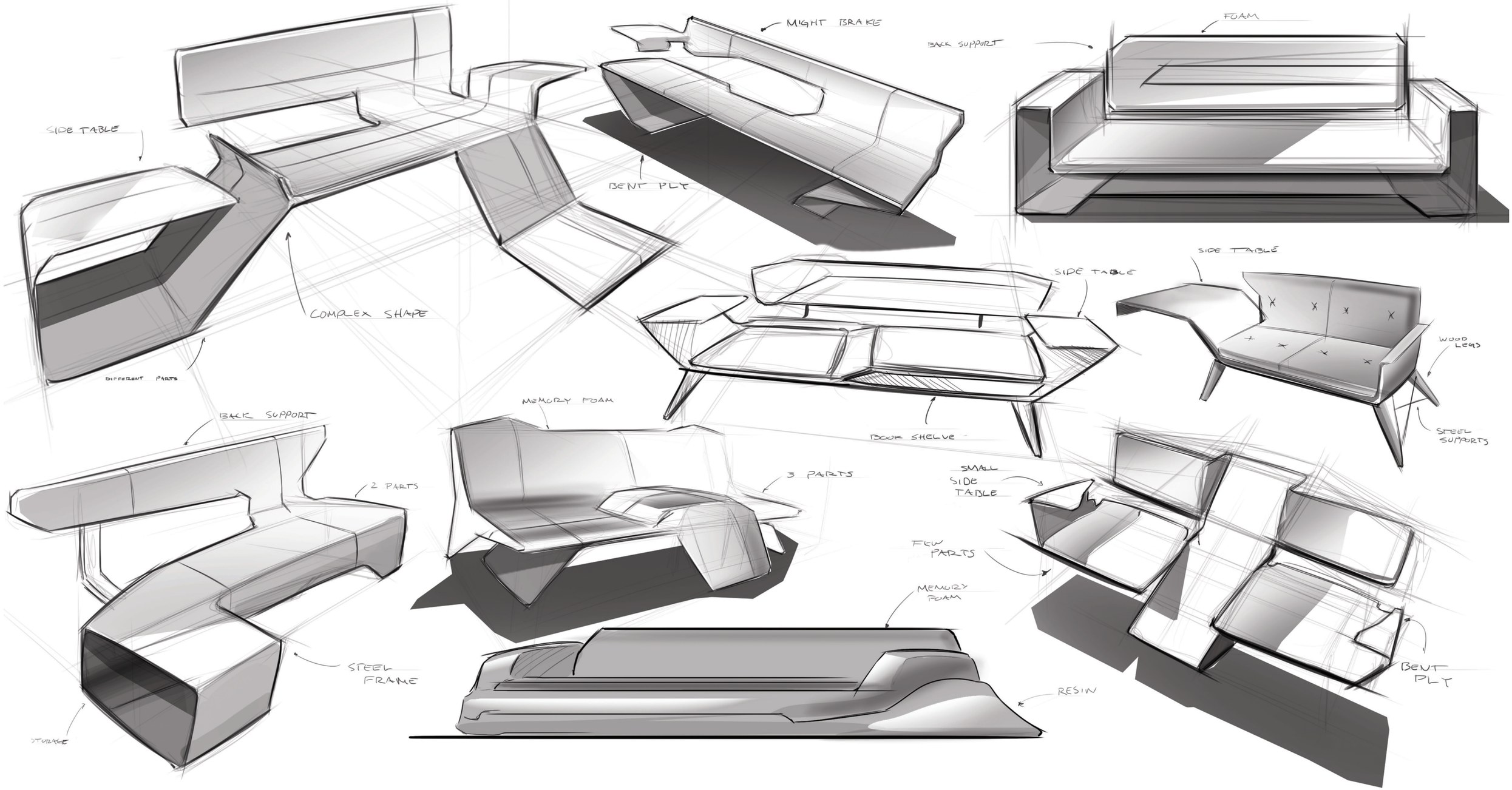


Comfort to bring relaxation.

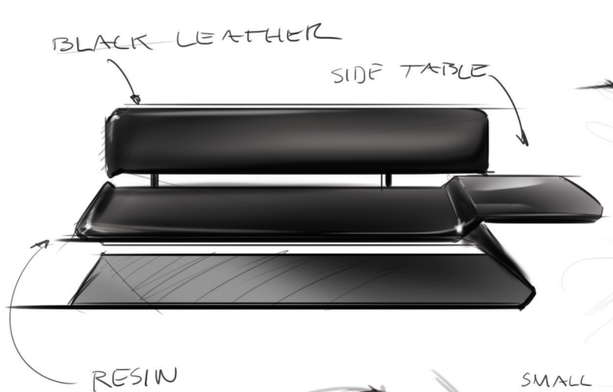


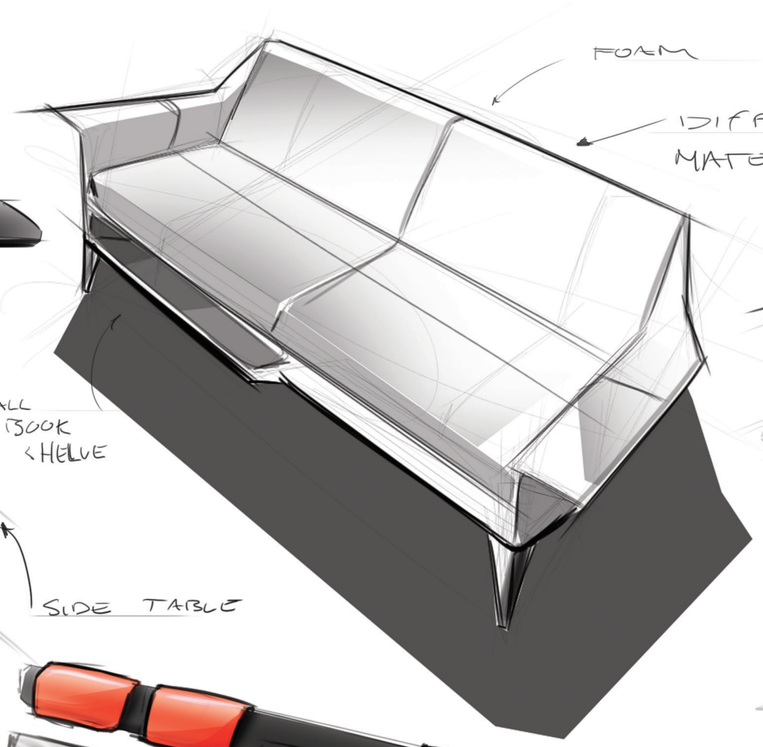
Black leather, of course.

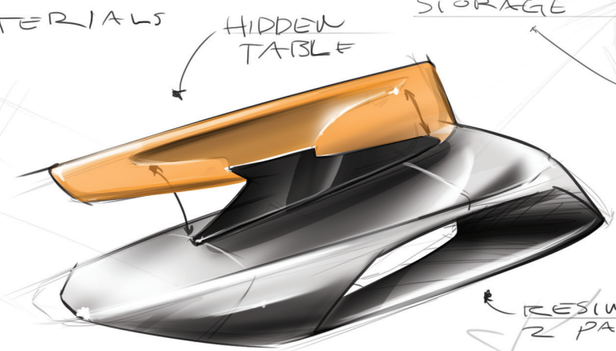
IDEATION

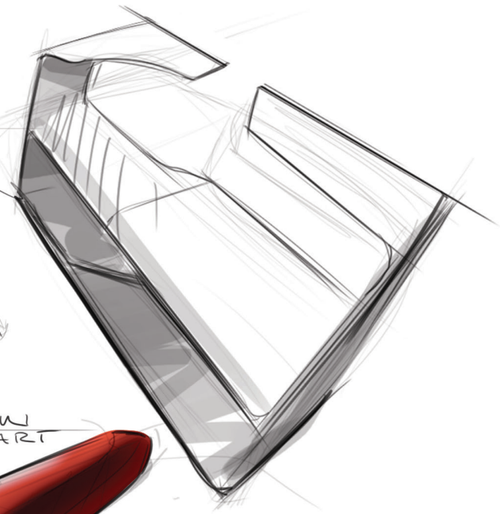

SIDE TABLE
COMPLEX SHAPE
DIFFERENT PARTS
MIGHT BRAKE
BENT PLY
BACK SUPPORT
FOAM
SIDE TABLE
SIDE TABLE
WOOD LEGS
STEEL SUPPORTS
BOOK SHELVE
BACK SUPPORT
2 PARTS
STEEL FRAME
STORAGE
MEMORY FOAM
3 PARTS
MEMORY FOAM
RESIN
SMALL SIDE TABLE
FEW PARTS
BENT PLY

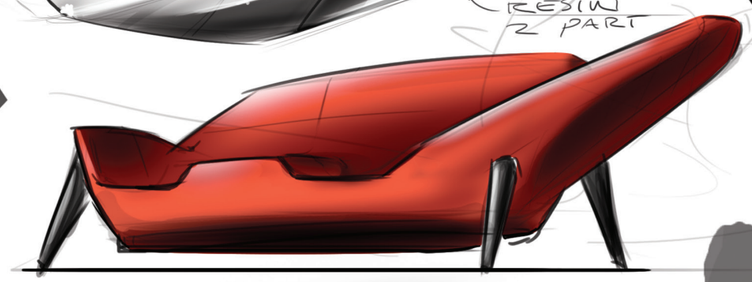
IDEATION

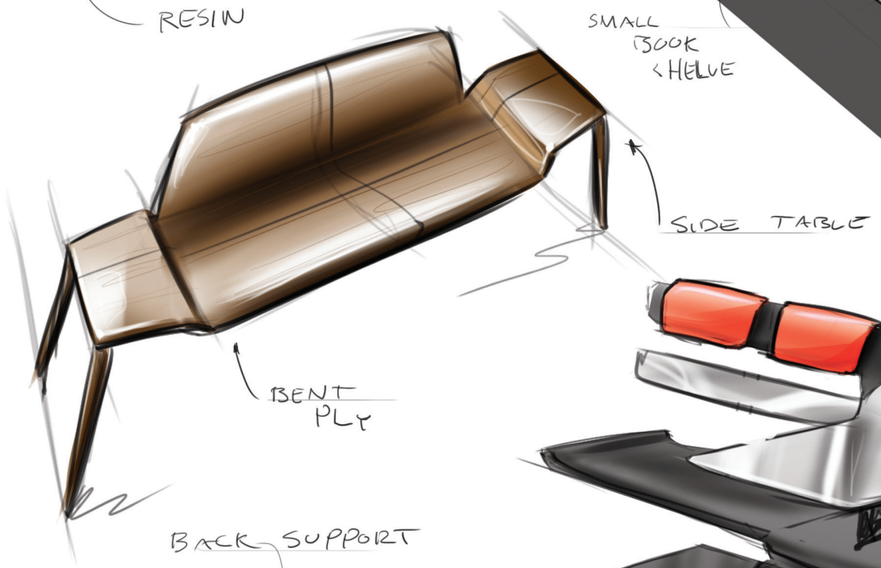

BLACK LEATHER
SIDE TABLE
RESIN

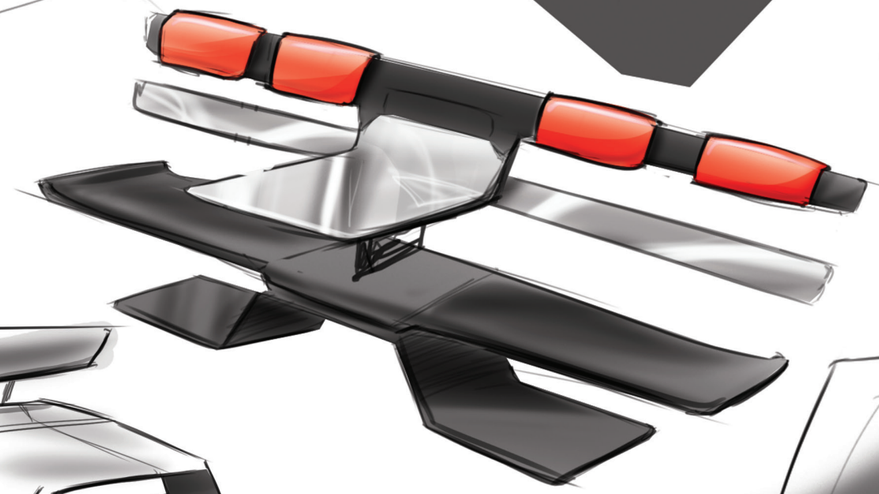

FOAM
DIFFERENT MATERIALS
SMALL BOOK SHELVE

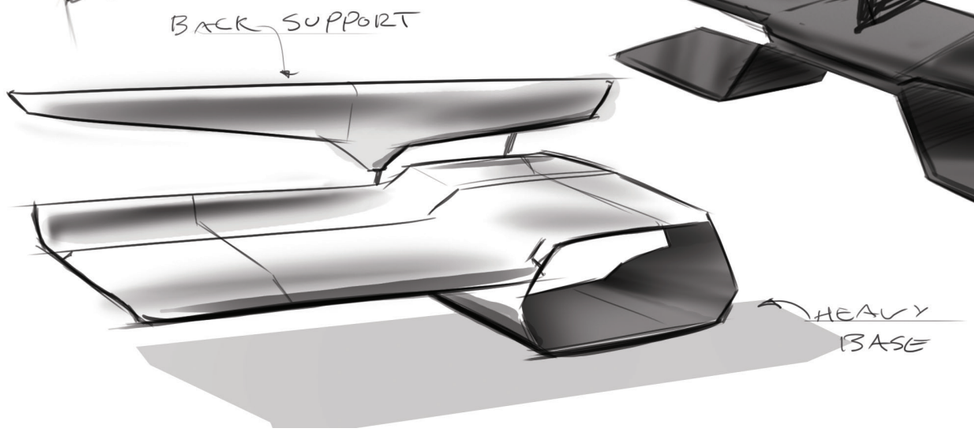

HIDDEN TABLE

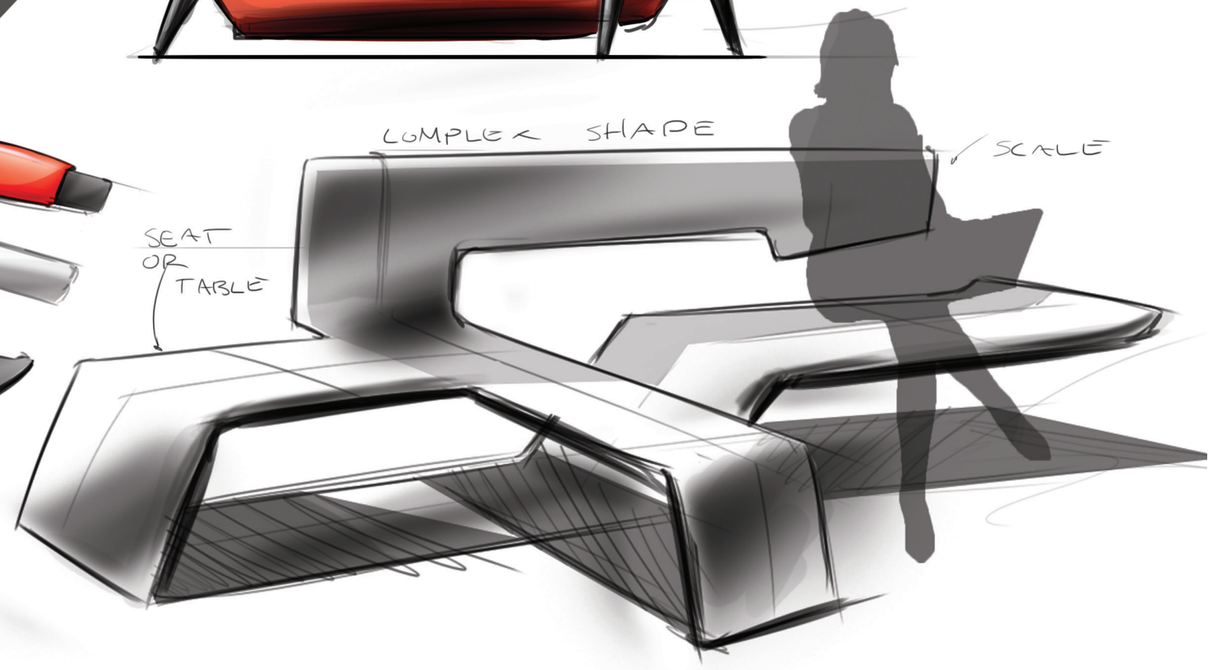

STORAGE


RESIN 2 PART

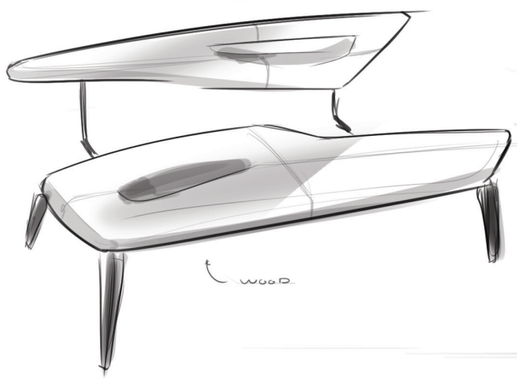

SIDE TABLE
BENT PLY

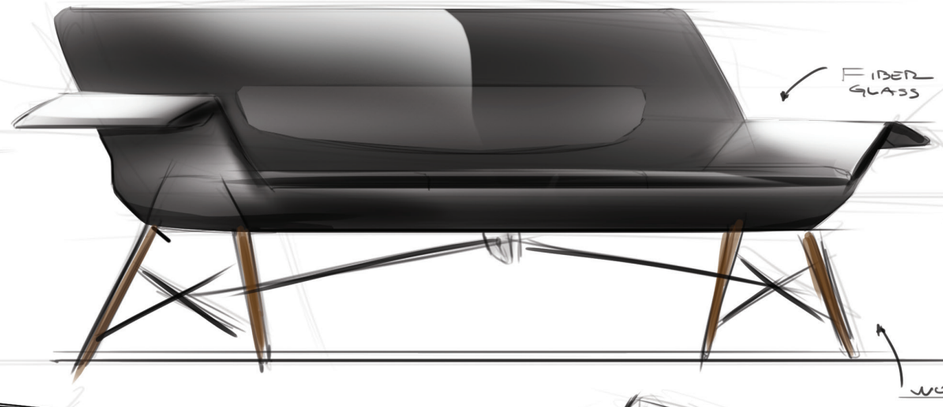


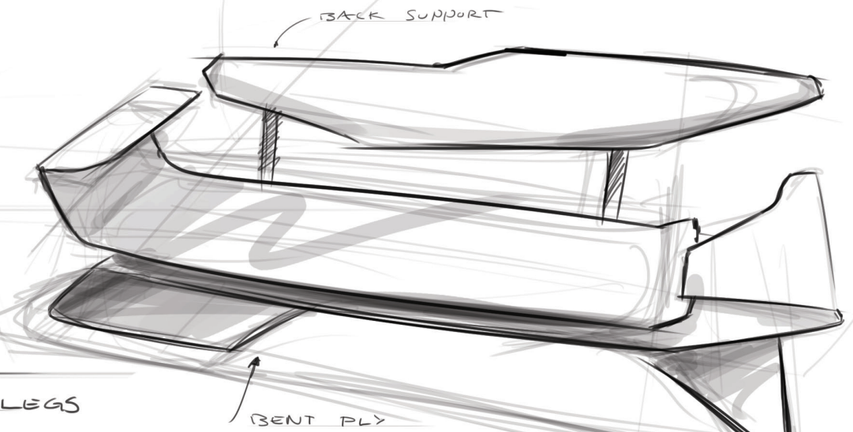

BACK SUPPORT
HEAVY BASE

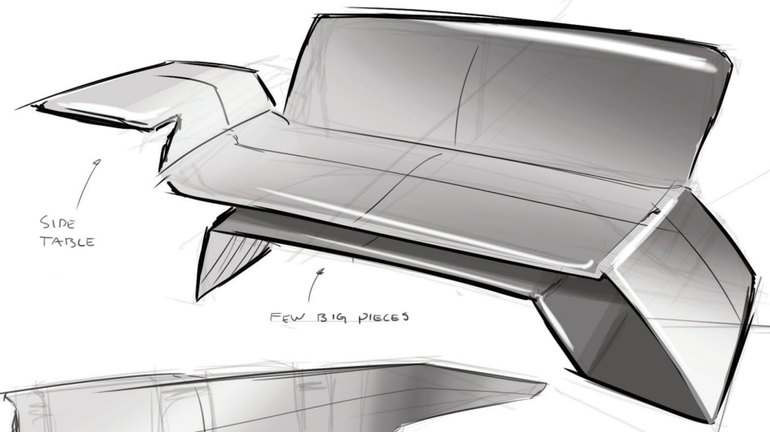

COMPLEX SHAPE
SCALE
SEAT OR TABLE

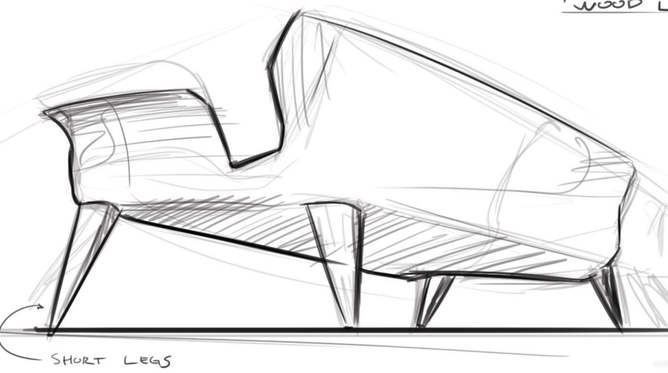
IDEATION

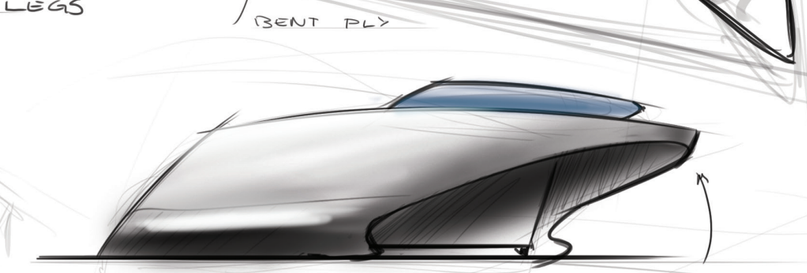

WOOD

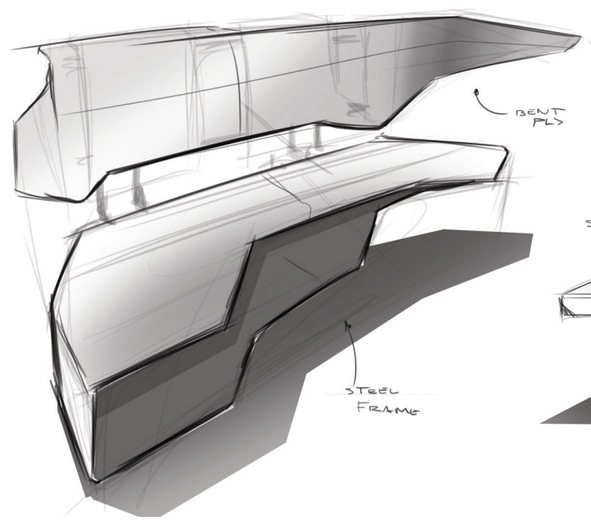

FIBER GLASS
WOOD LEGS

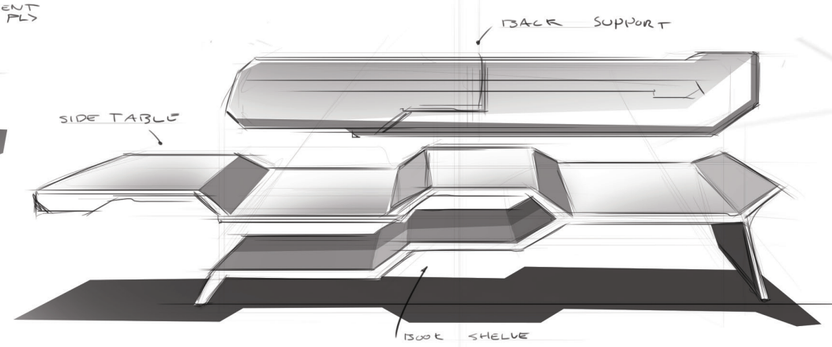

BACK SUPPORT
BENT PLY

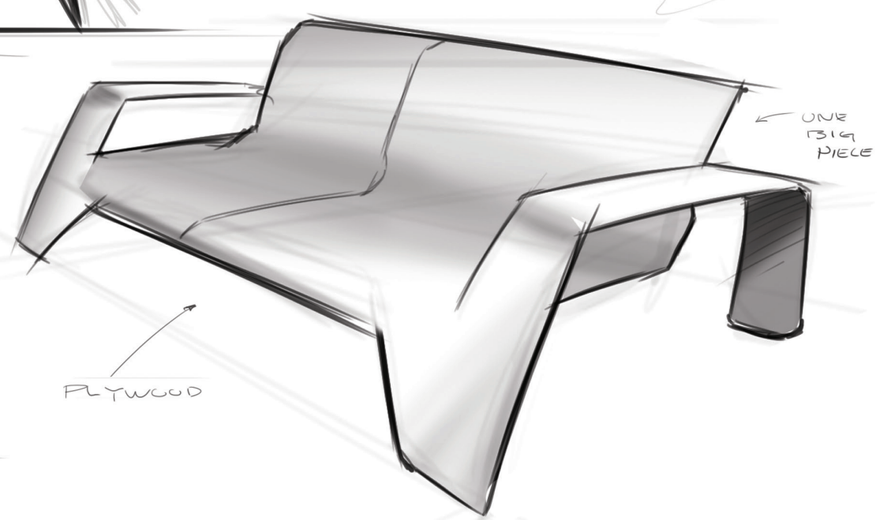

SIDE TABLE
FEW BIG PIECES


SHORT LEGS

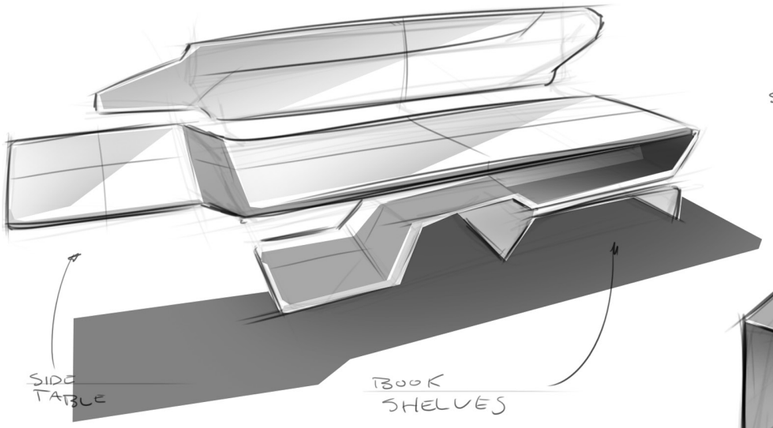

BIG PIECE

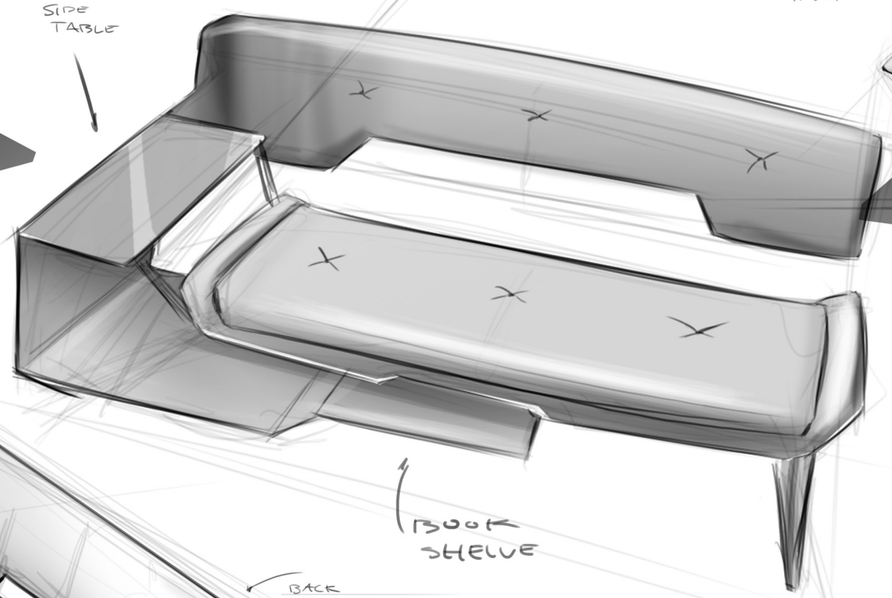

BENT PLY
STEEL FRAME

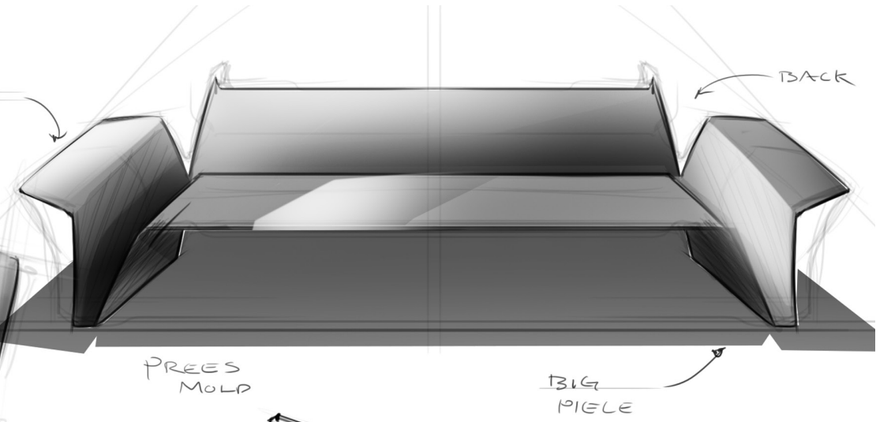

BACK SUPPORT
SIDE TABLE
BOOK SHELVE

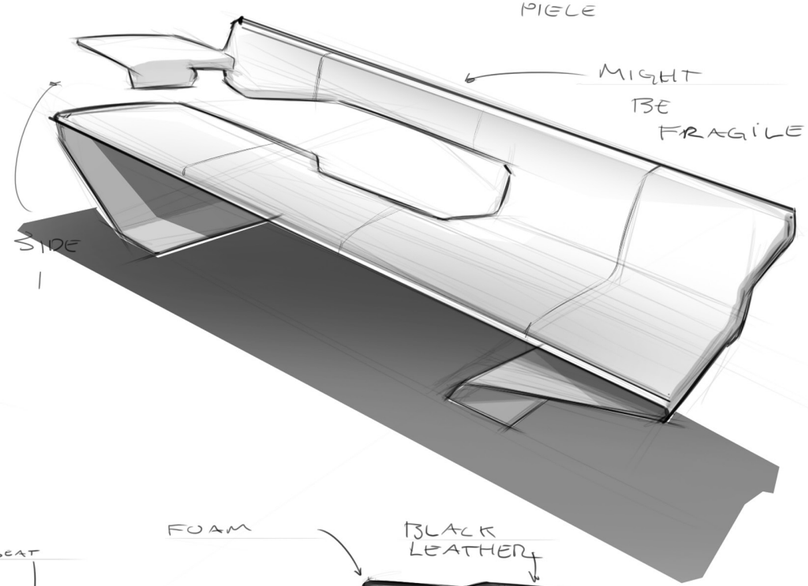

ONE BIG PIECE
PLYWOOD

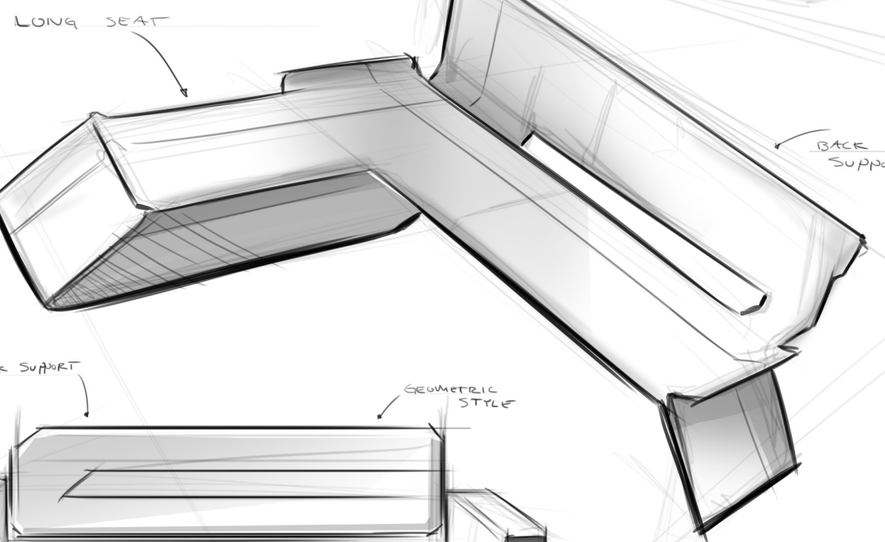
IDEATION

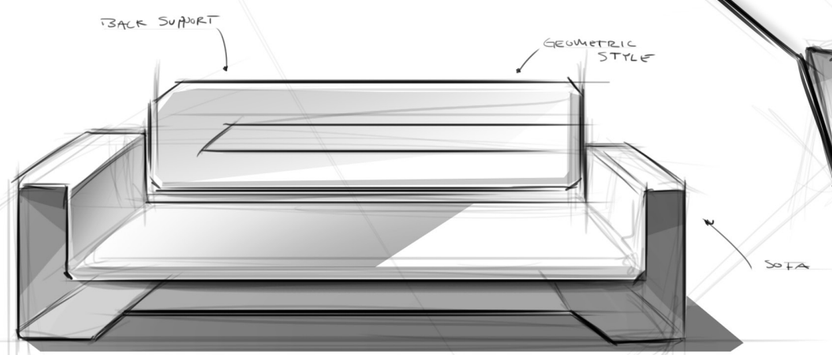

SIDE TABLE
BOOK SHELVES

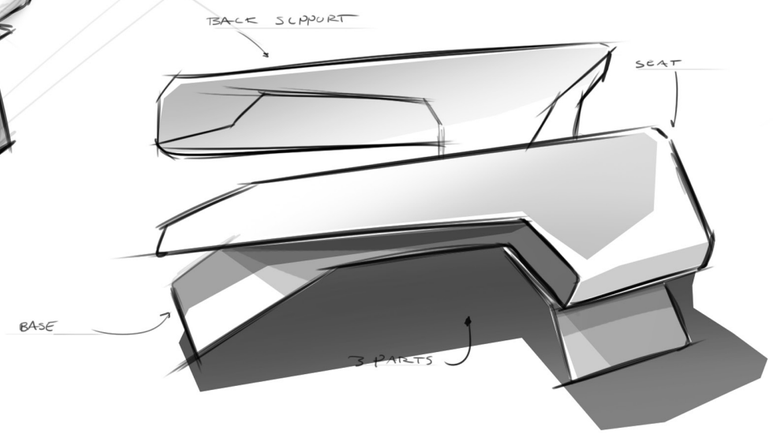

SIDE TABLE
BOOK SHELVE

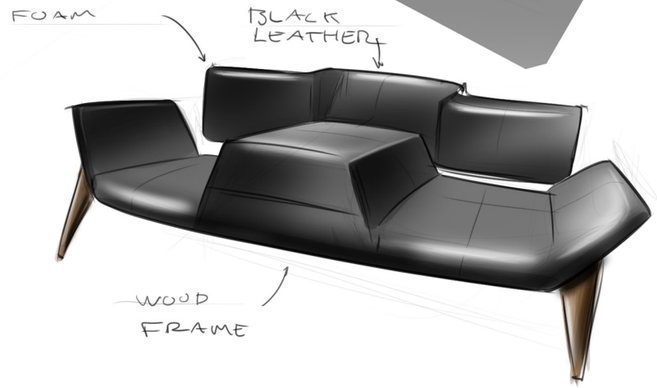

BENT PLY
BACK
PREES MOLD
BIG PIECE


MIGHT BE FRAGILE
SIDE

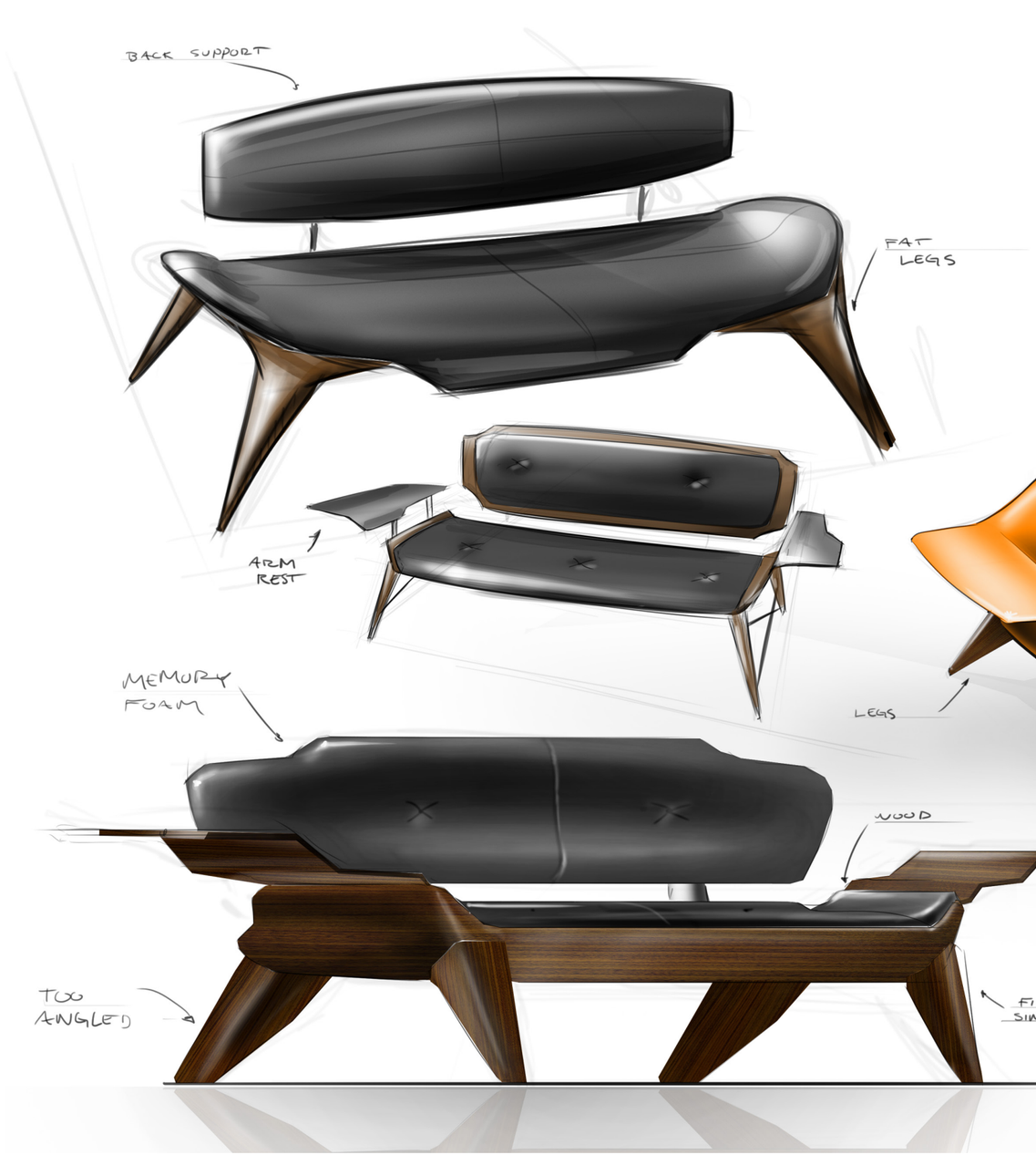

LONG SEAT
BACK SUPPORT

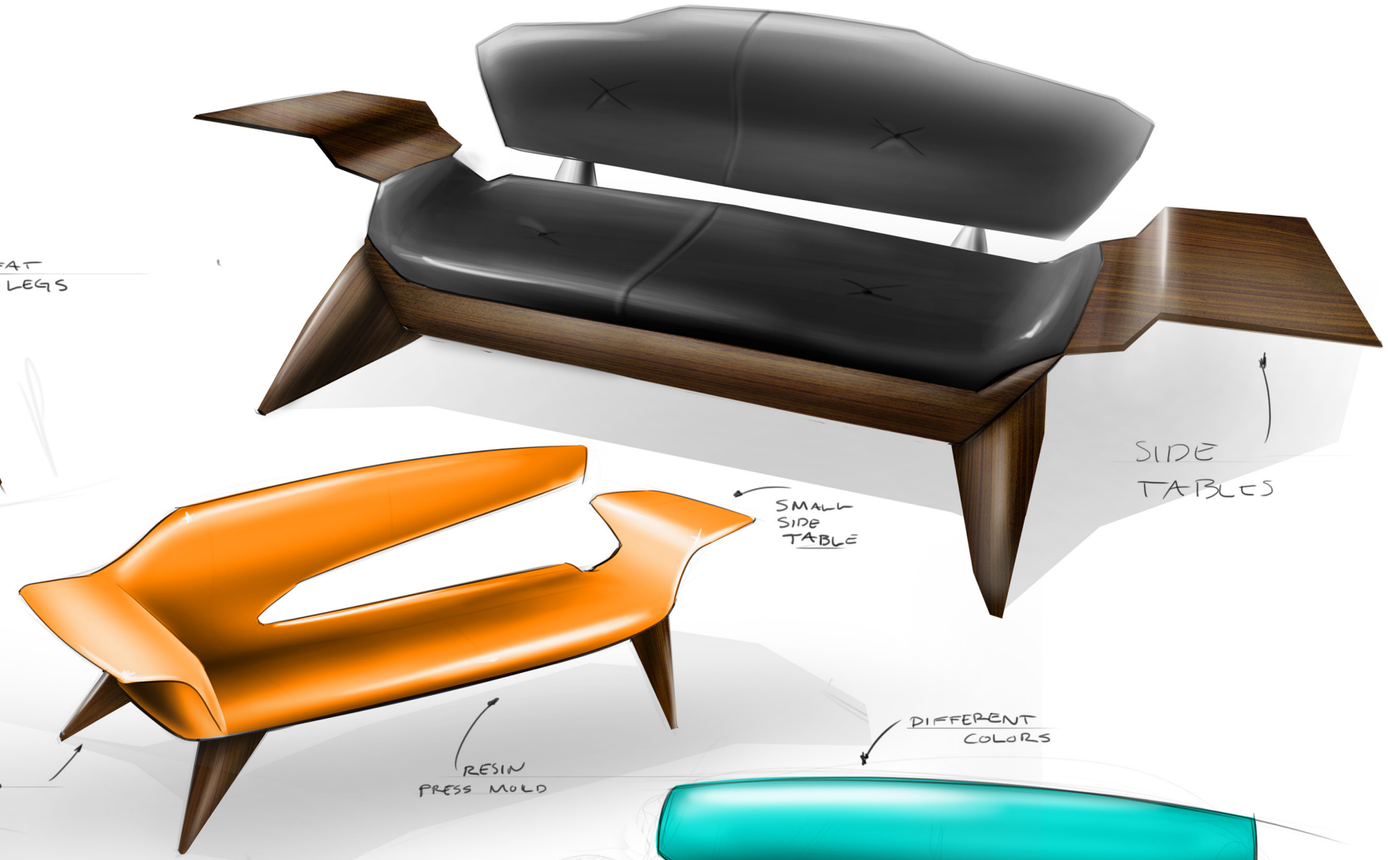

BACK SUPPORT
GEOMETRIC STYLE
SOFA

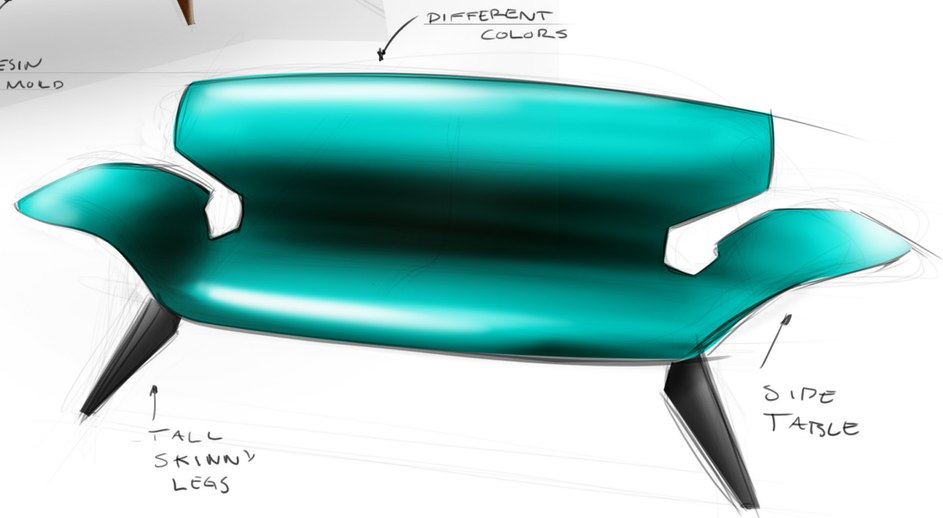

BACK SUPPORT
SEAT
BASE
3 PARTS


FOAM
BLACK LEATHER
WOOD FRAME

DESIGN DIRECTION



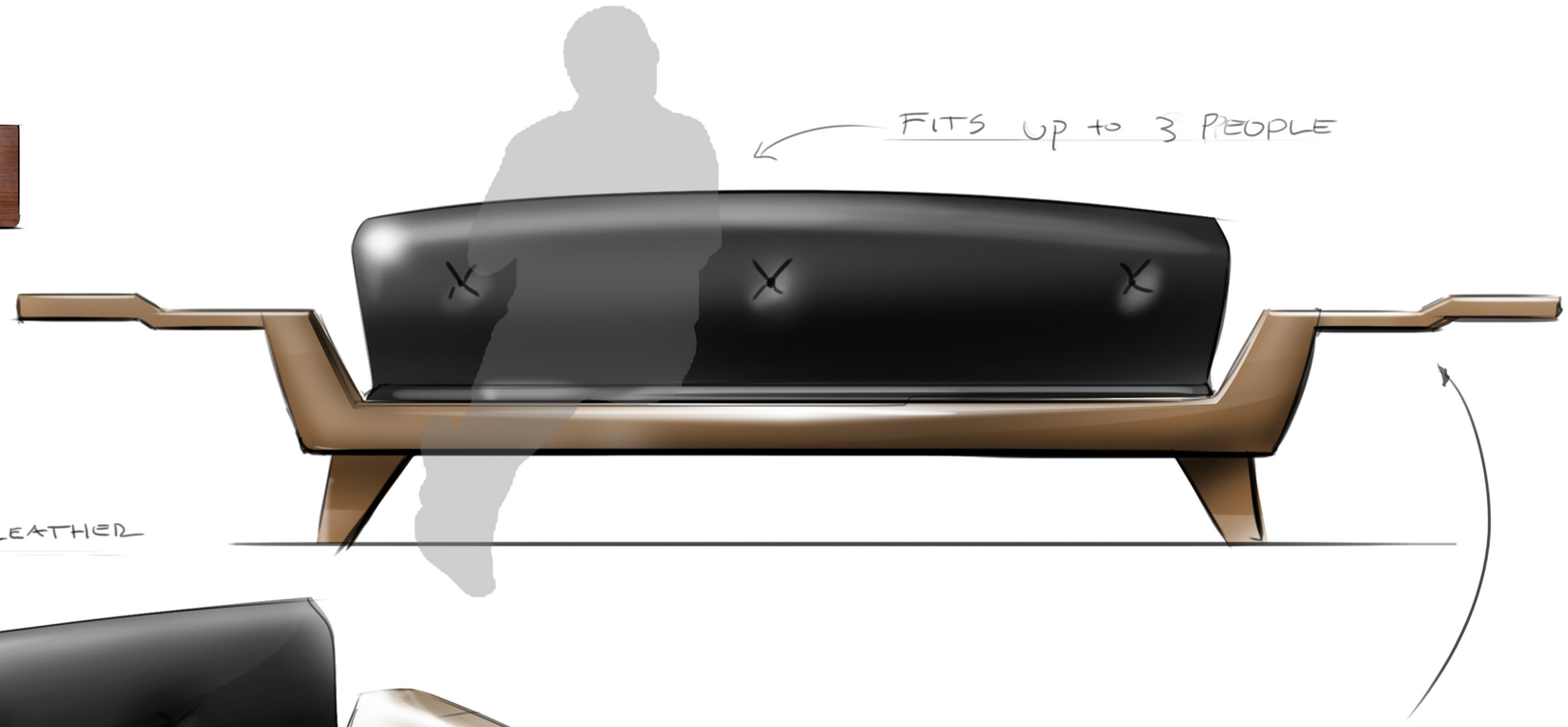




FINAL DESIGN



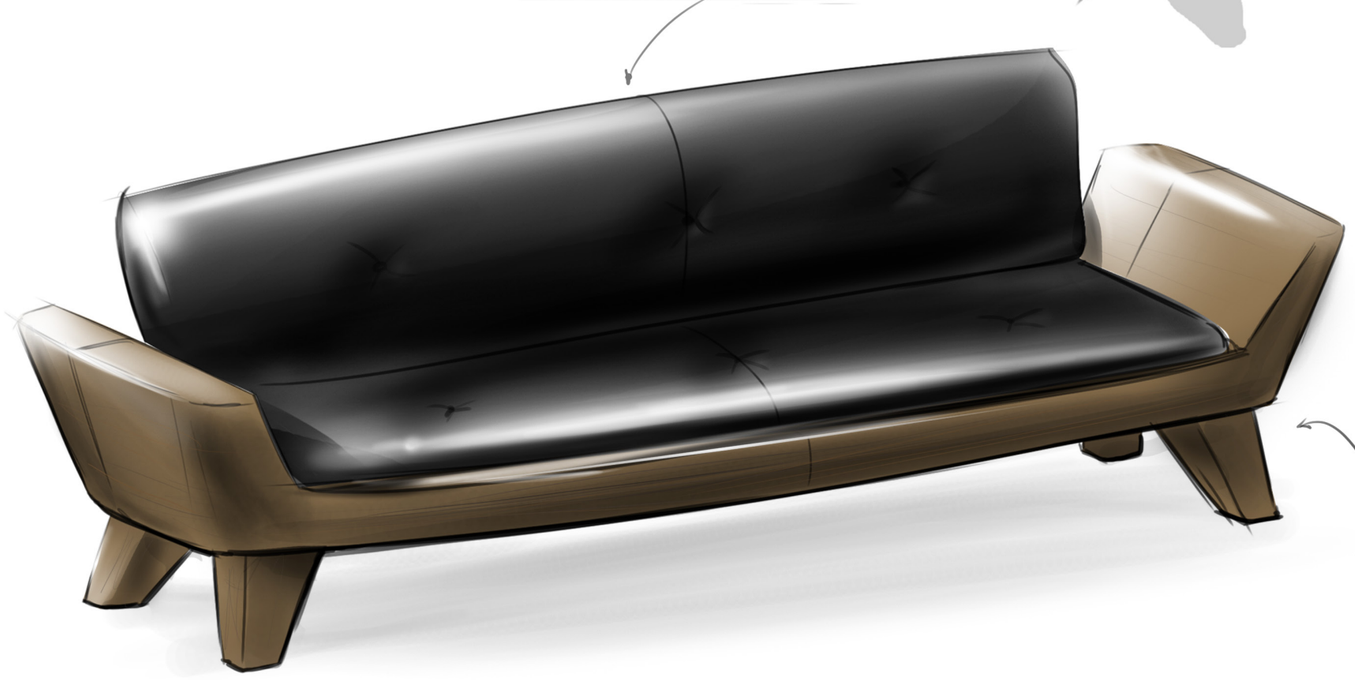
MEMORY FOAM



FITS up to 3 PEOPLE

REMOVABLE SIDE TABLES

BLACK LEATHER



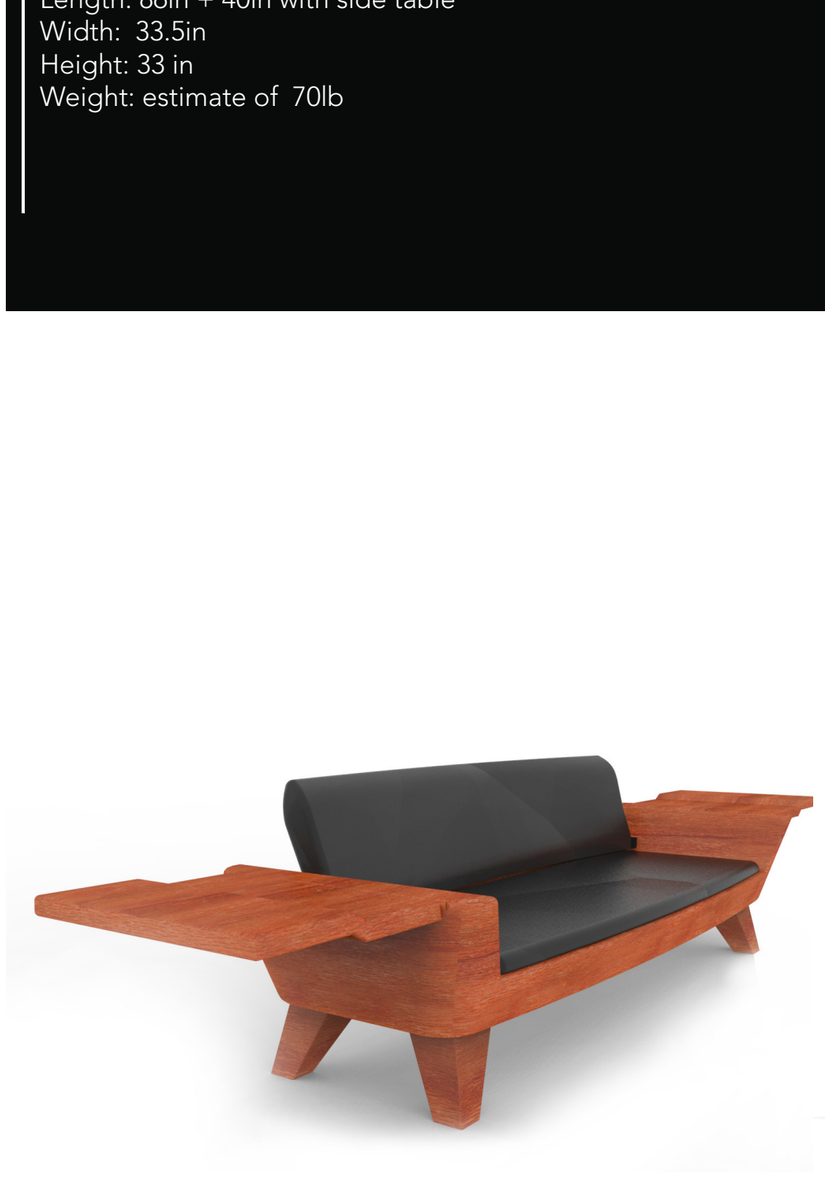
WOOD

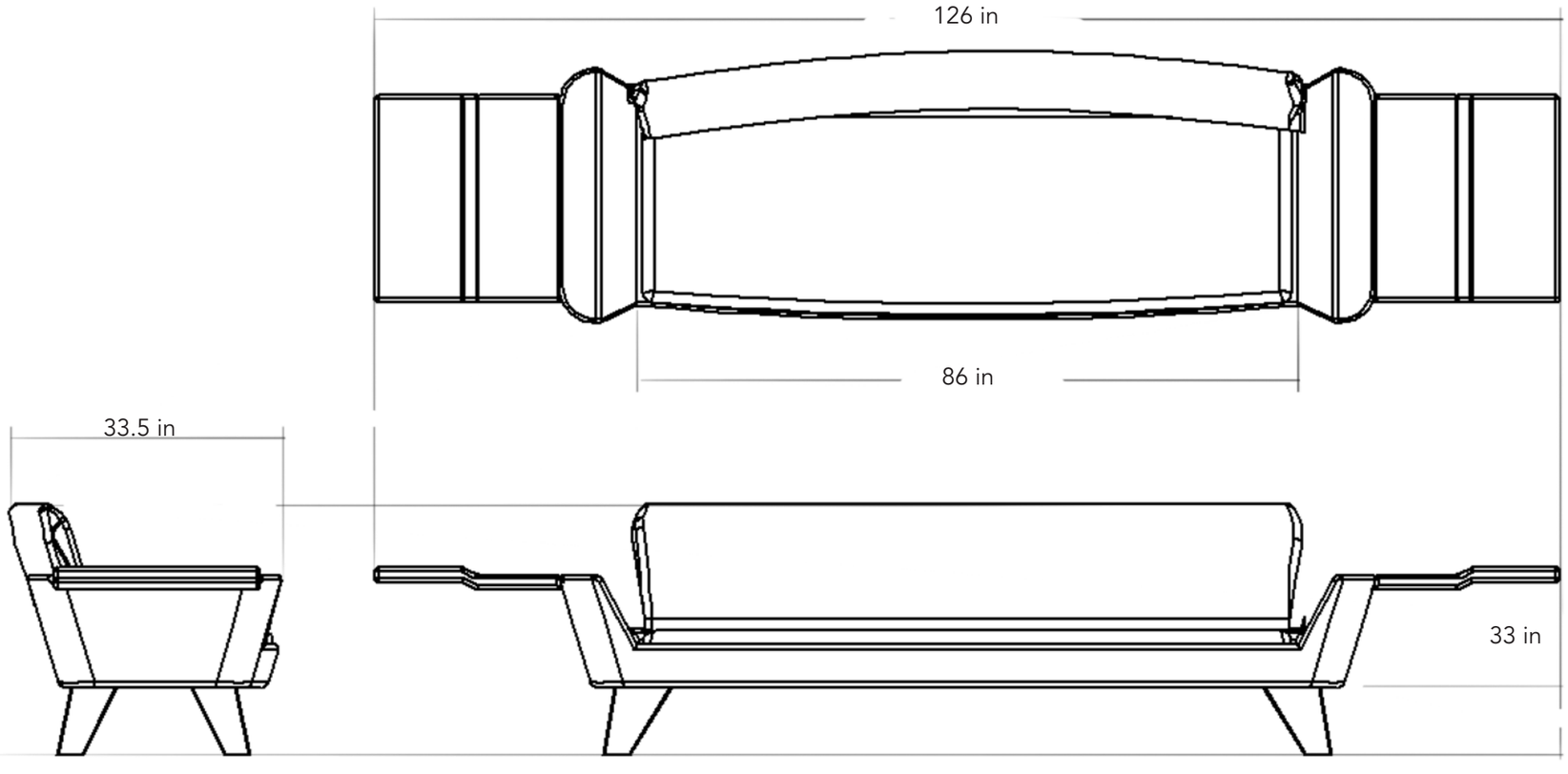
ORTOGRAPHICS

AMBITIO ORTHOGRAPHICS

DIMENSIONS:

Length: 86in + 40in with side table
Width: 33.5in
Height: 33 in
Weight: estimate of 70lb





FINAL DESIGN





Solidworks models rendered with Keyshot.



SKIDROW IDEA

HELPING FOR THE FUTURE

OBJECTIVE

SKIDROW MOBILE HOMELESS SHELTER

To design a sustainable mobile unit that provides shelter and storage to homeless people for the year 2030.


LOS ANGELES
SKID ROW

RESEARCH

SKID ROW , LOS ANGELES

SKID ROW ABOUT

The heart of Los Angeles' Skid Row is comprised of roughly 50 city blocks (0.4 square miles) of the greater downtown area. An estimated of 91,000 homeless people living in Los Angeles County, it is estimated that 2,521 homeless persons can be found within the 0.4 square miles of the Skid Row area.

Skid Row contains one of the largest stable populations of homeless people in the United States.



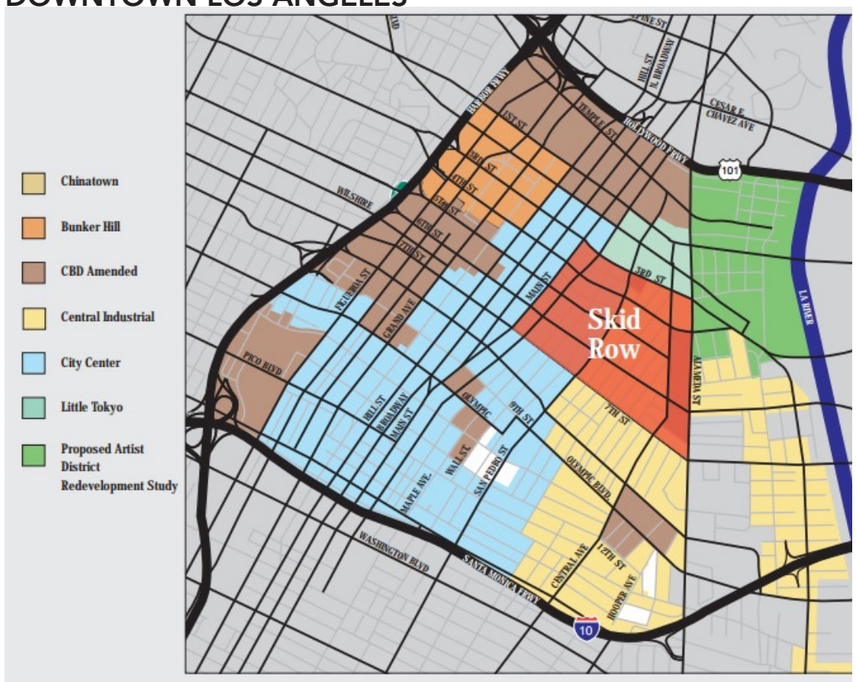
HOMELESSNESS THE PROBLEM

The spread of long-term homelessness in L.A. County has alarmed communities from Sylmar to San Pedro, where residents complain that their quality of life is threatened by crime and trash from unsightly encampments.

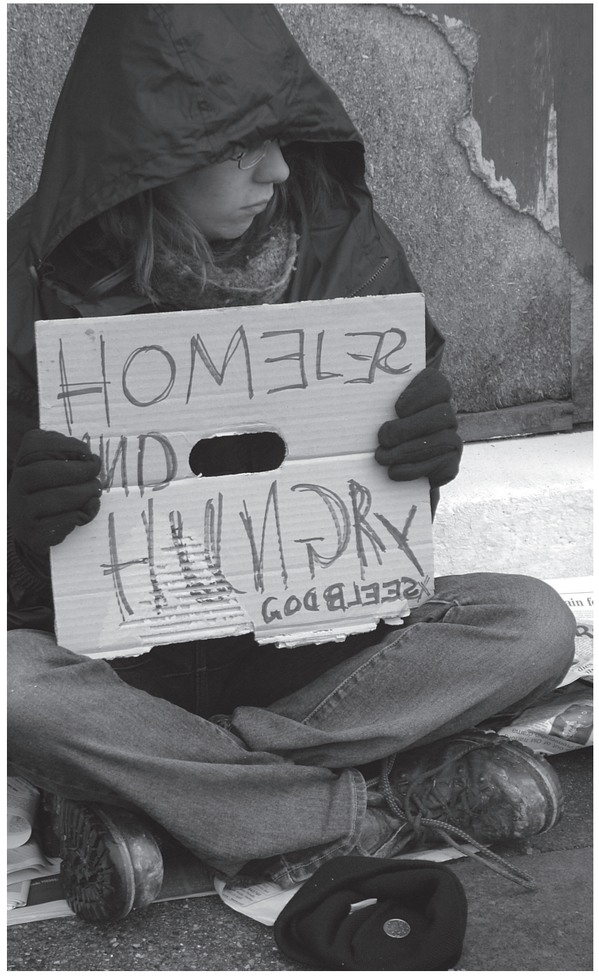
Homeless are seemingly everywhere and yet they are the invisible people. They have become so common as to become a part of the landscape, of no more importance than the wall of a building they lean against, or the freeway overpass that serves as their bedroom ceiling.

Block after block, the homeless and their scant belongings - tarpaulins, tents and trolleys - are scattered on the concrete in the baking sun.

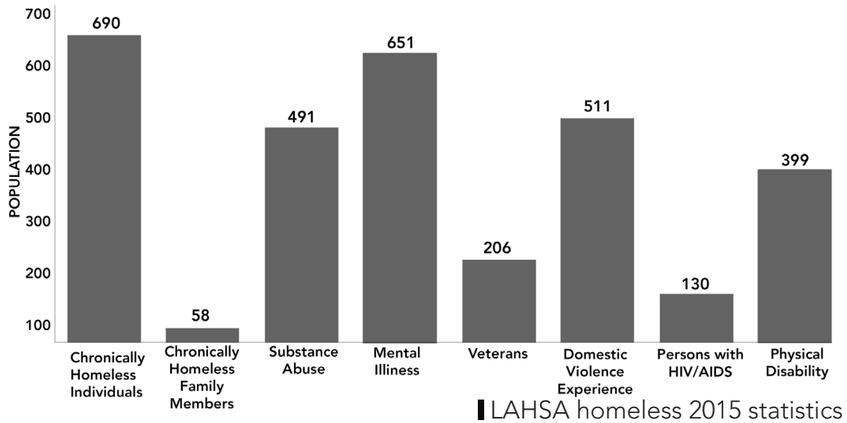
DOWNTOWN LOS ANGELES







Skid Row Homelessness by Subpopulation



LAHSA homeless 2015 statistics



Multipurpose and Mobile.

EDAR (Everyone Deserves A Roof.)
An EDAR is a four-wheeled unit, based on a cart design that provides security for one's belongings and privacy and protection from the elements for homeless people.



Green Technology.

Multi-voltaic Paint
The Multi-voltaic paint harvests solar and wind energy. Concept still in development and it has only been used on the Mercedez Benz G code concept.



Futuristic Design.

IDEATION



SHELTER: The Skid Row mobile shelter is weather resistant and can fit 1 adult person. providing shelter and comfortable space to sleep and rest.



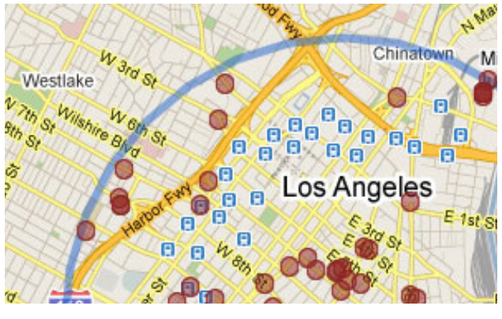
GPS: Skid Row units will be tracked by a solar powered Satellite GPS to prevent losts or damages in the lent unit. The Governement will have control of the lent units.



DONATE: Donations from people like you will provide the sustainable units, made from recycled and Ecofriendly materials.

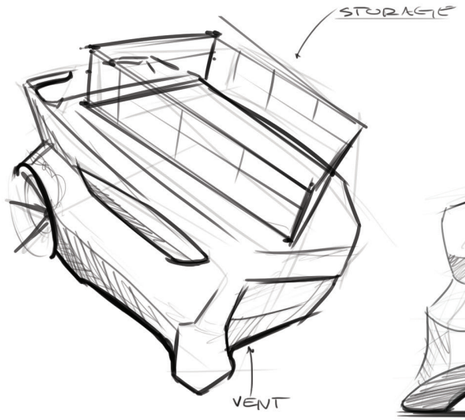


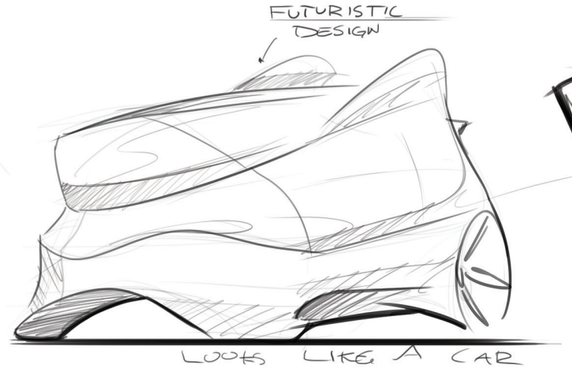
STORAGE COMPARTMENT: Integrated comparment will limit the amount of belongings keeping the streets clean and give a good presentation to visitors.

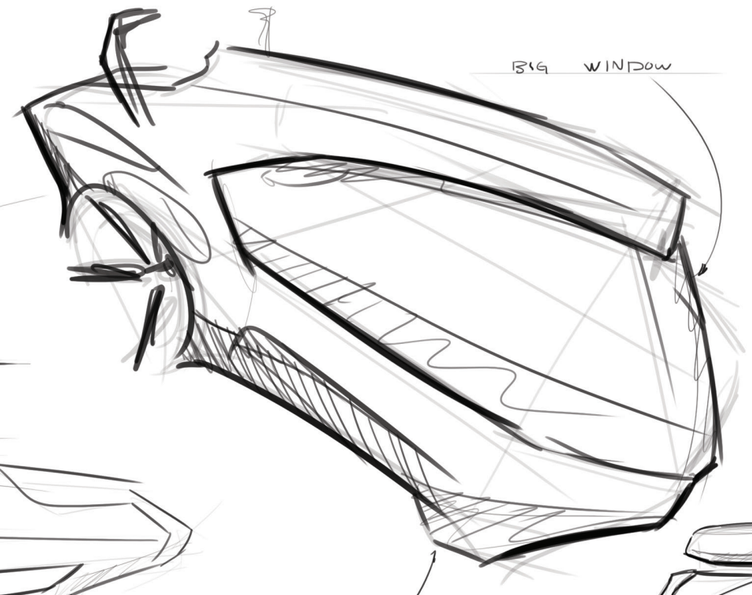


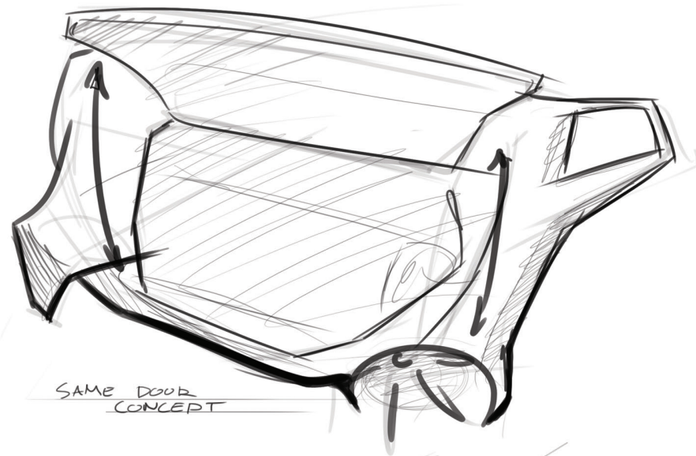
COMMUNITY: City will provide a designated area where they can park the mobile shelters and sleep,eat and use the restroom.

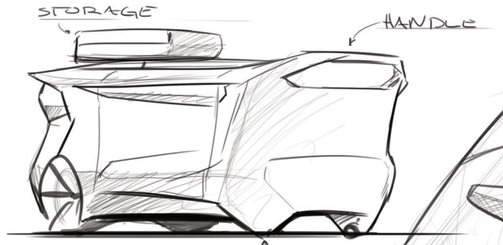
IDEATION

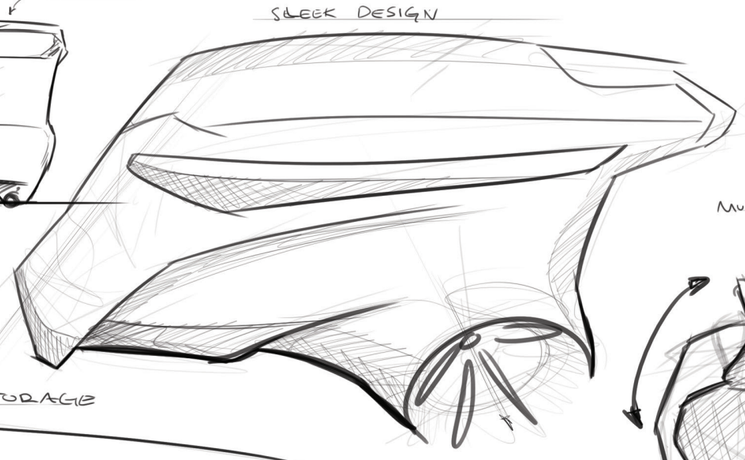

STORAGE
VENT

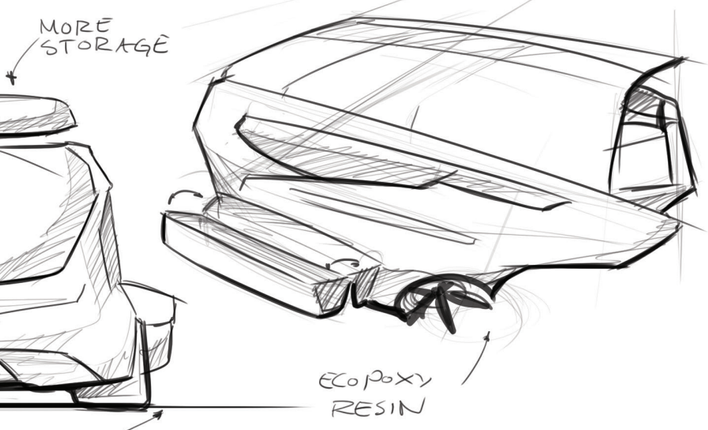

FUTURISTIC DESIGN
LOOKS LIKE A CAR

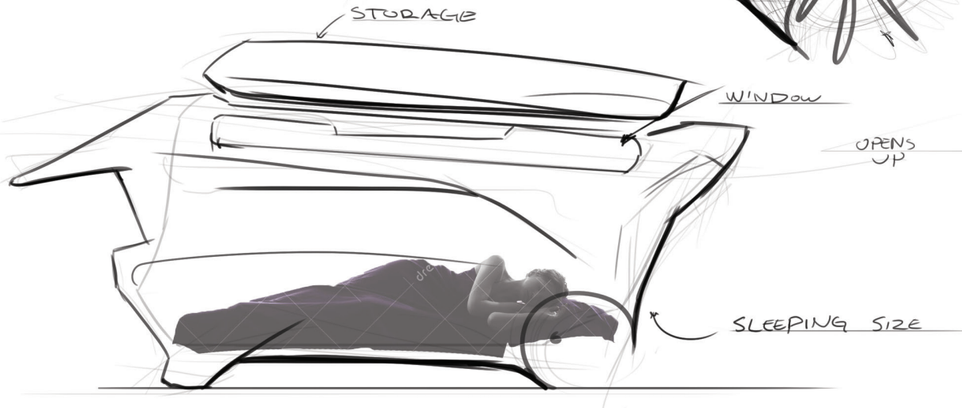

BIG WINDOW
MULTI VOLTAIC PAINT

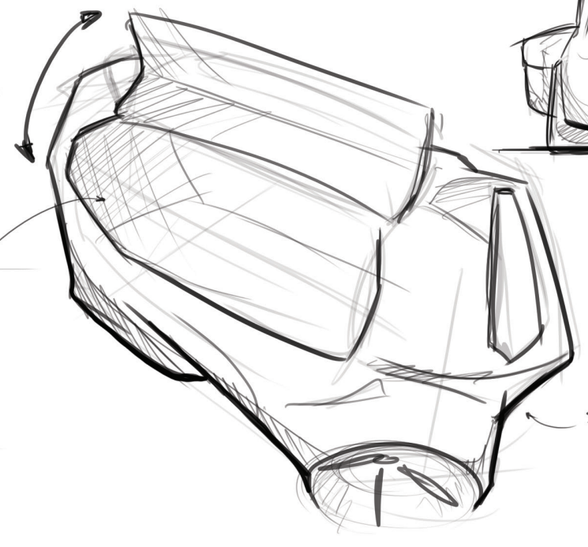

SAME DOOR CONCEPT

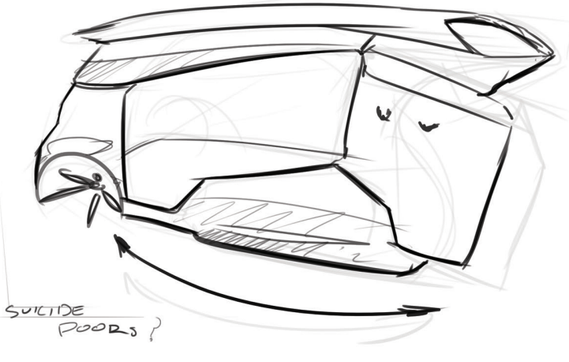

STORAGE
HANDLE
WHEEL LOCK


SLEEK DESIGN

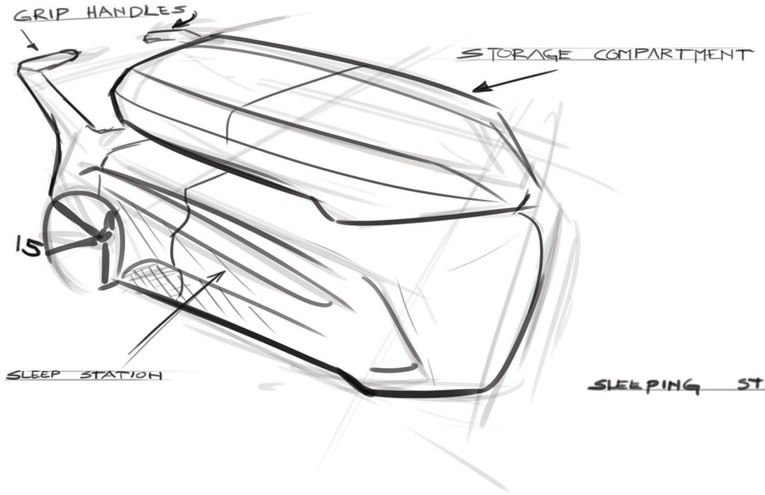

MORE STORAGE
ECOPOXY RESIN
SIDE STORAGE

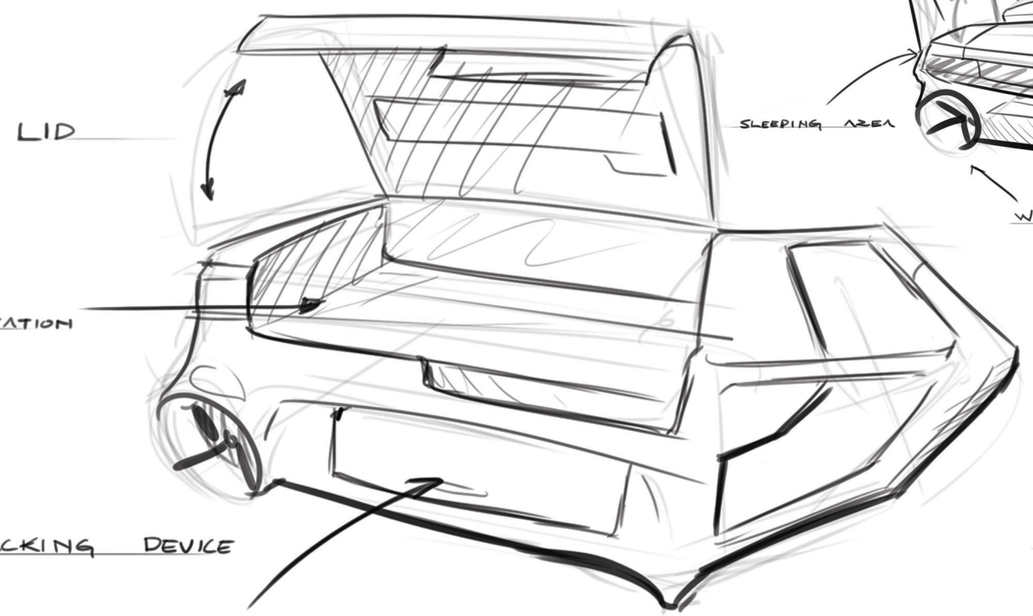

STORAGE
WINDOW
SLEEPING SIZE

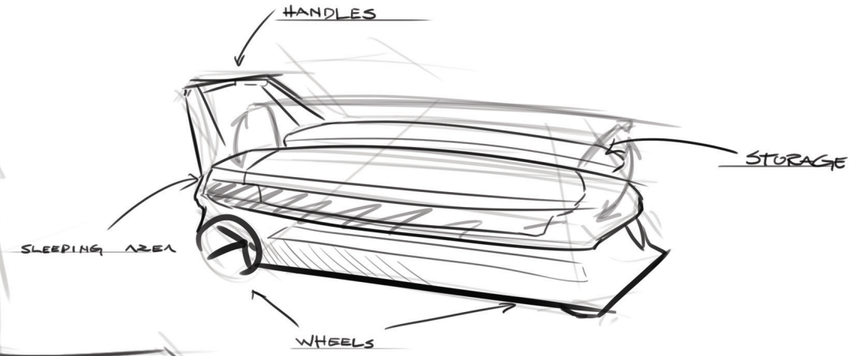

OPENS UP
SOLAR PANELS

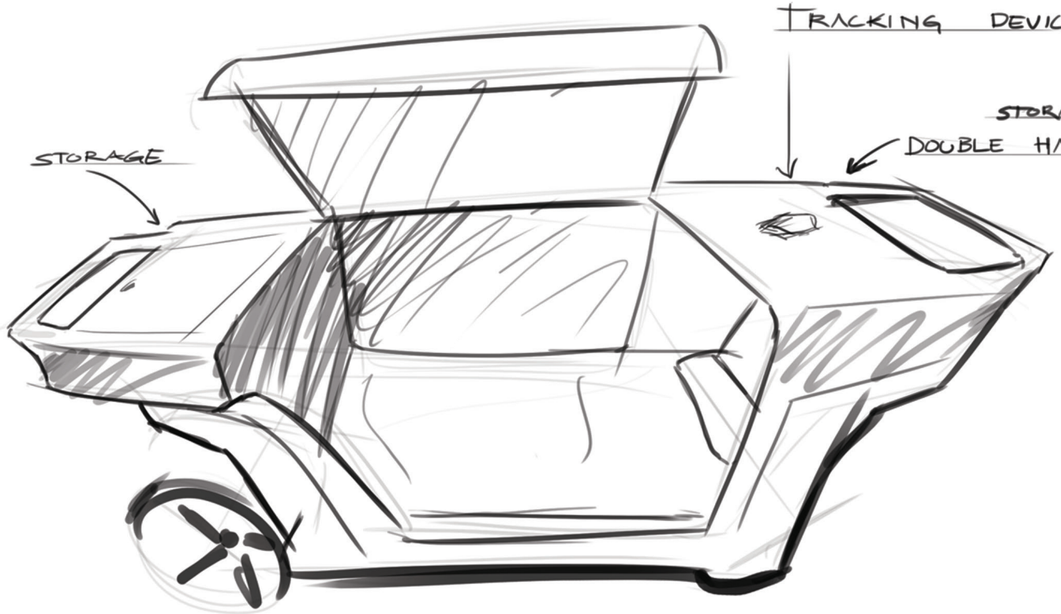

SUICIDE DOORS

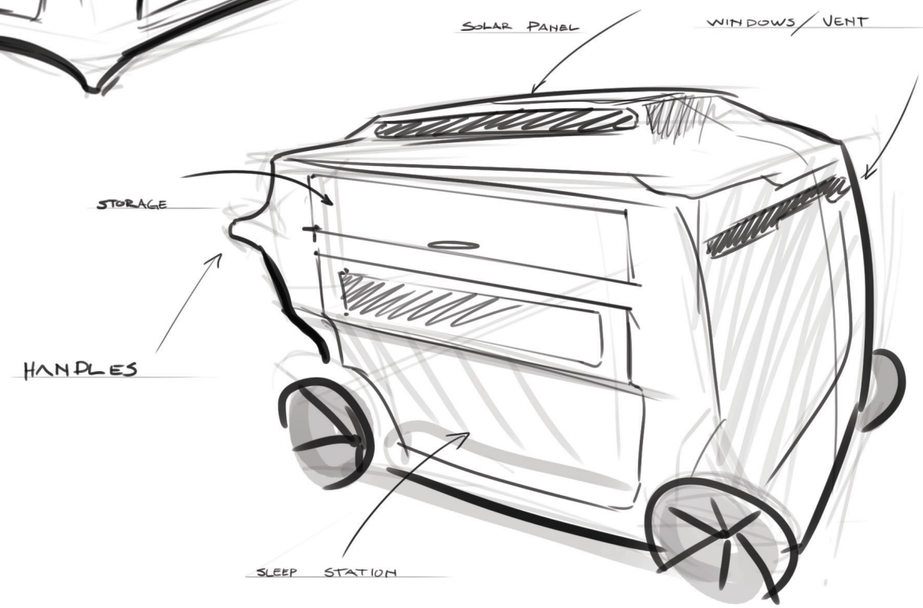
IDEATION


GRIP HANDLES
STORAGE COMPARTMENT
15
SLEEP STATION

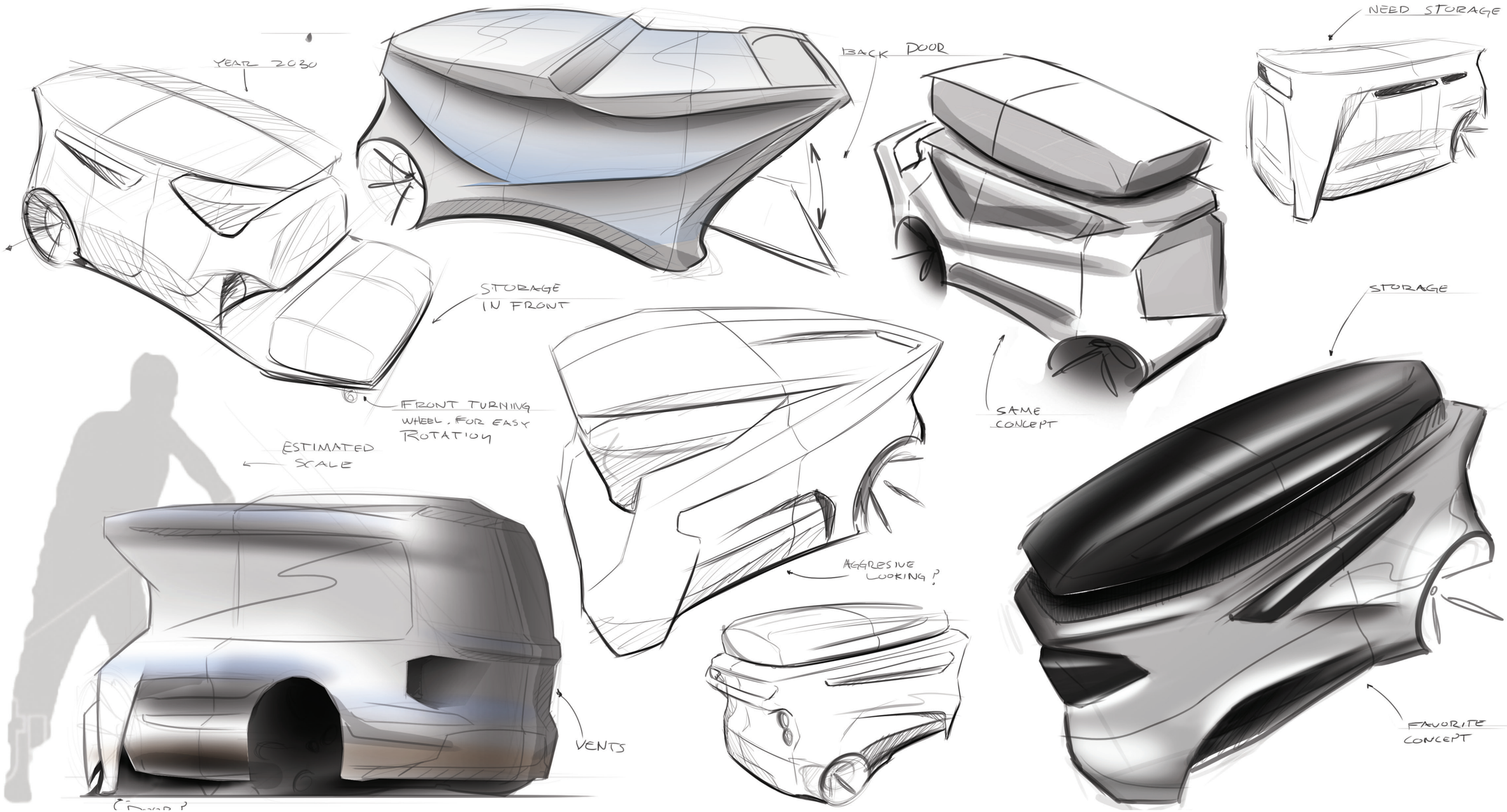

LID
SLEEPING STATION
TRACKING DEVICE
STORAGE COMPT.


HANDLES
STORAGE
SLEEPING AREA
WHEELS

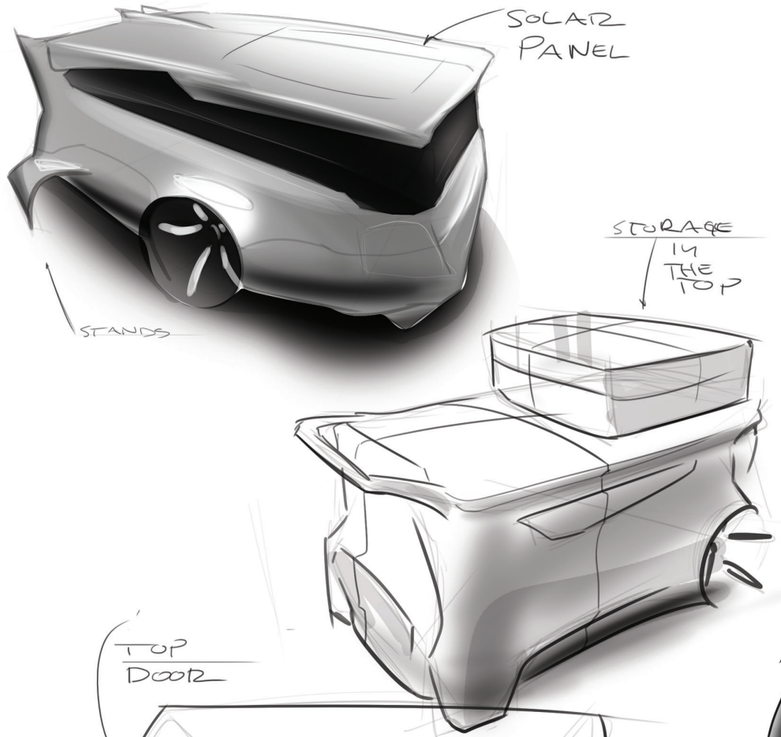

STORAGE
DOUBLE HANDLE GRIPS

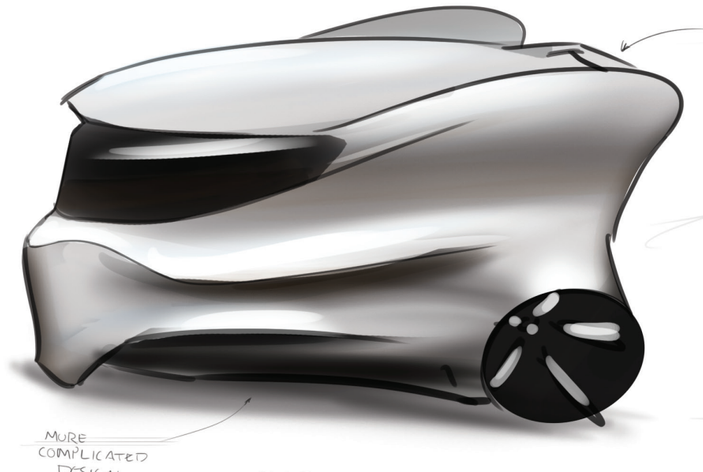

SOLAR PANEL
WINDOWS / VENT
STORAGE
HANDLES
SLEEP STATION

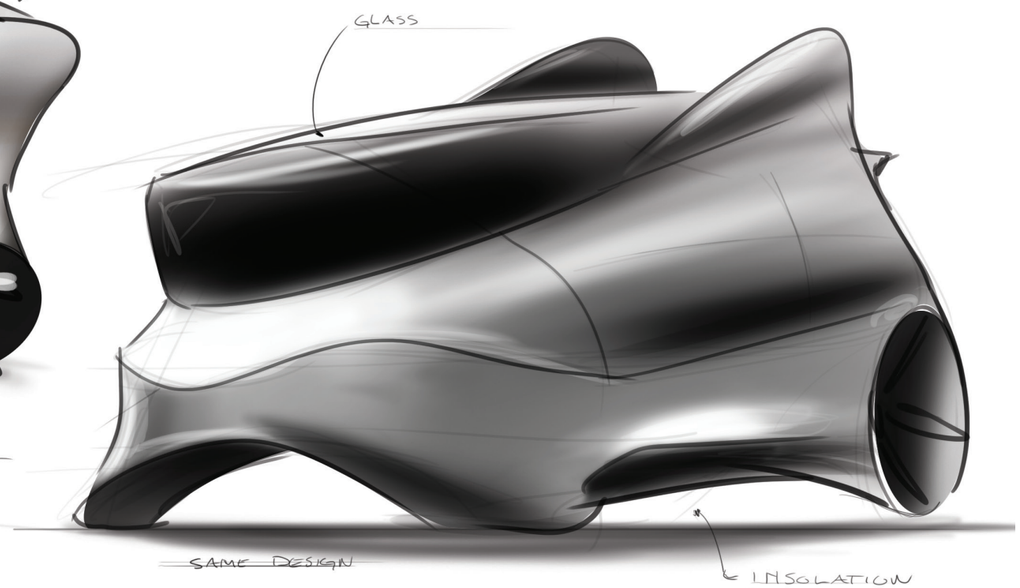
IDEATION

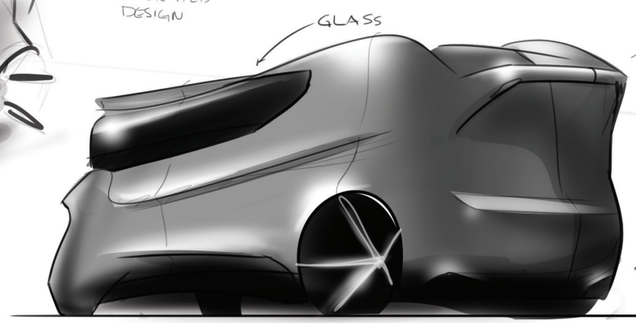

YEAR 2030
BACK DOOR
NEED STORAGE
STORAGE IN FRONT
FRONT TURNING WHEEL, FOR EASY ROTATION
STORAGE
SAME CONCEPT
ESTIMATED SCALE
AGGRESIVE LOOKING ?
VENTS
FAVORITE CONCEPT

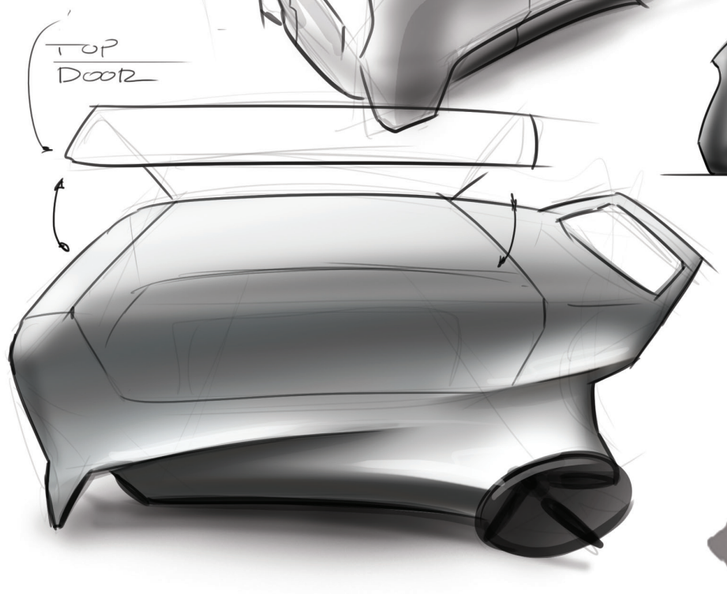
REDEFINEMENT

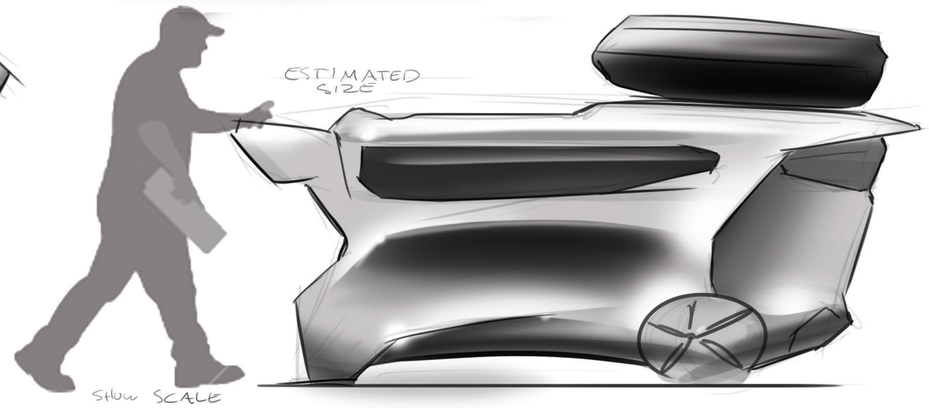


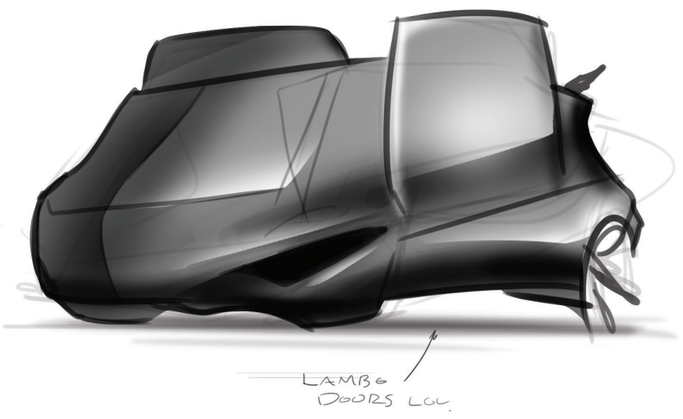








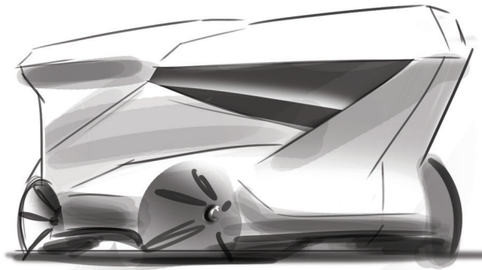




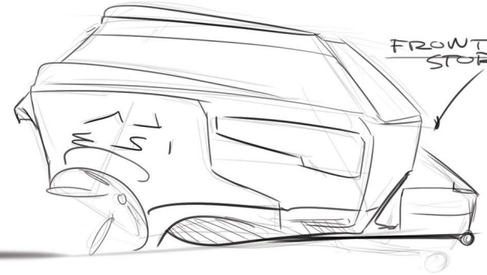
REDEFINEMENT

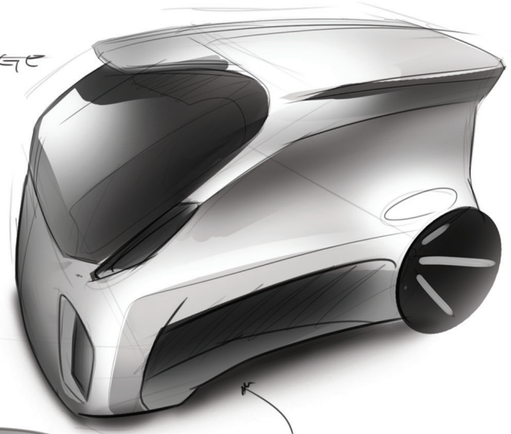


SIDE VIEW



LOOK DURABLE



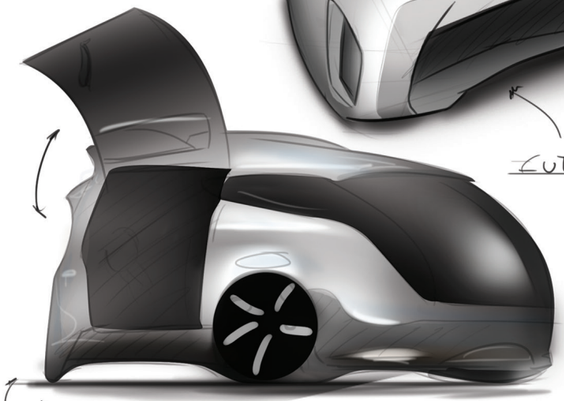


FUTURISTIC

REFLECTIONS

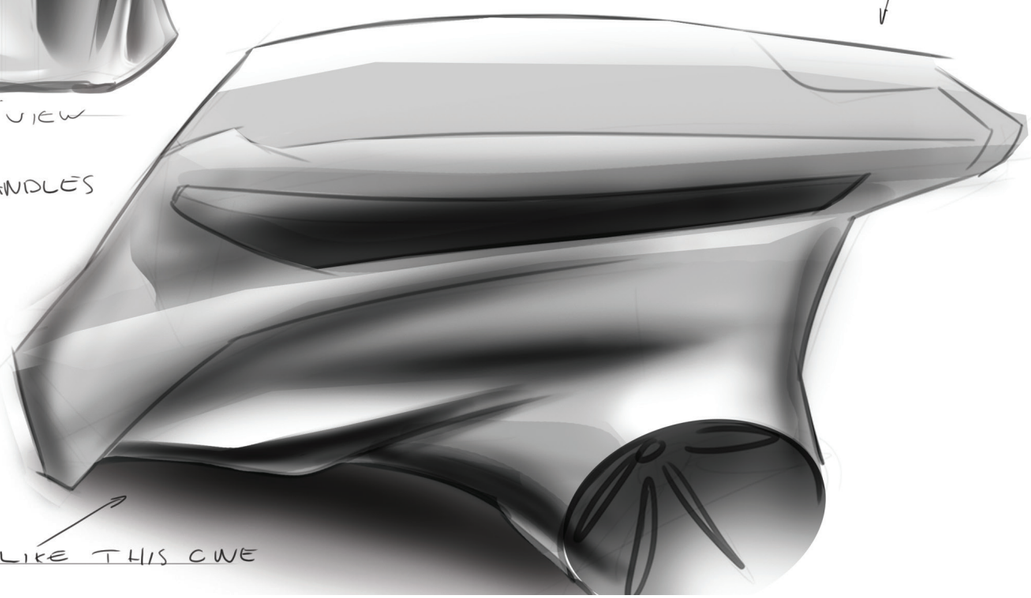


TOP VIEW

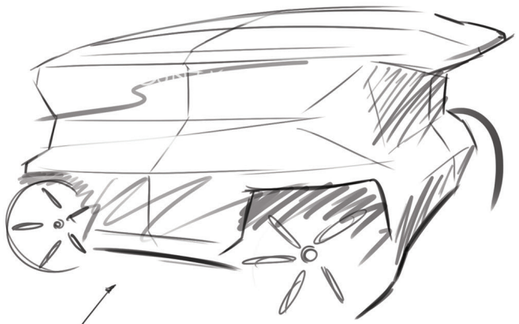


DOOR OPENS UP

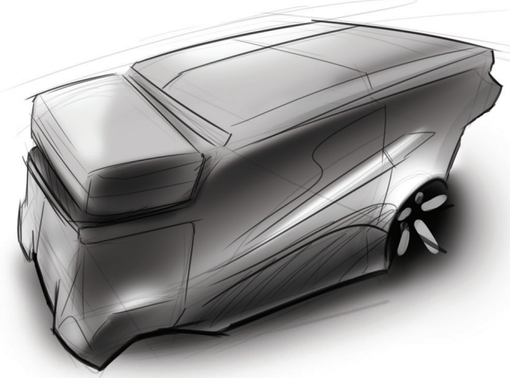
HANDLES



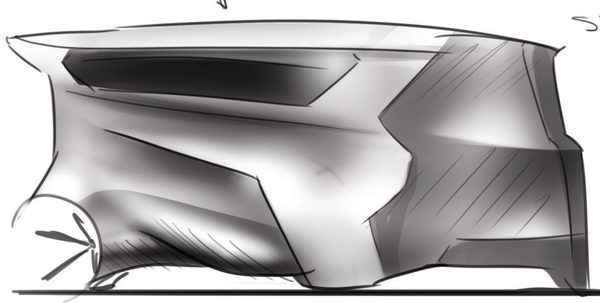
I LIKE THIS ONE



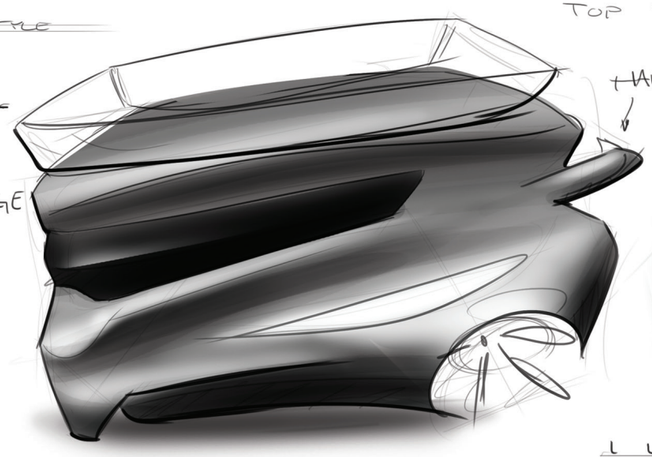
CAR STYLE



SIDE WINDOWS

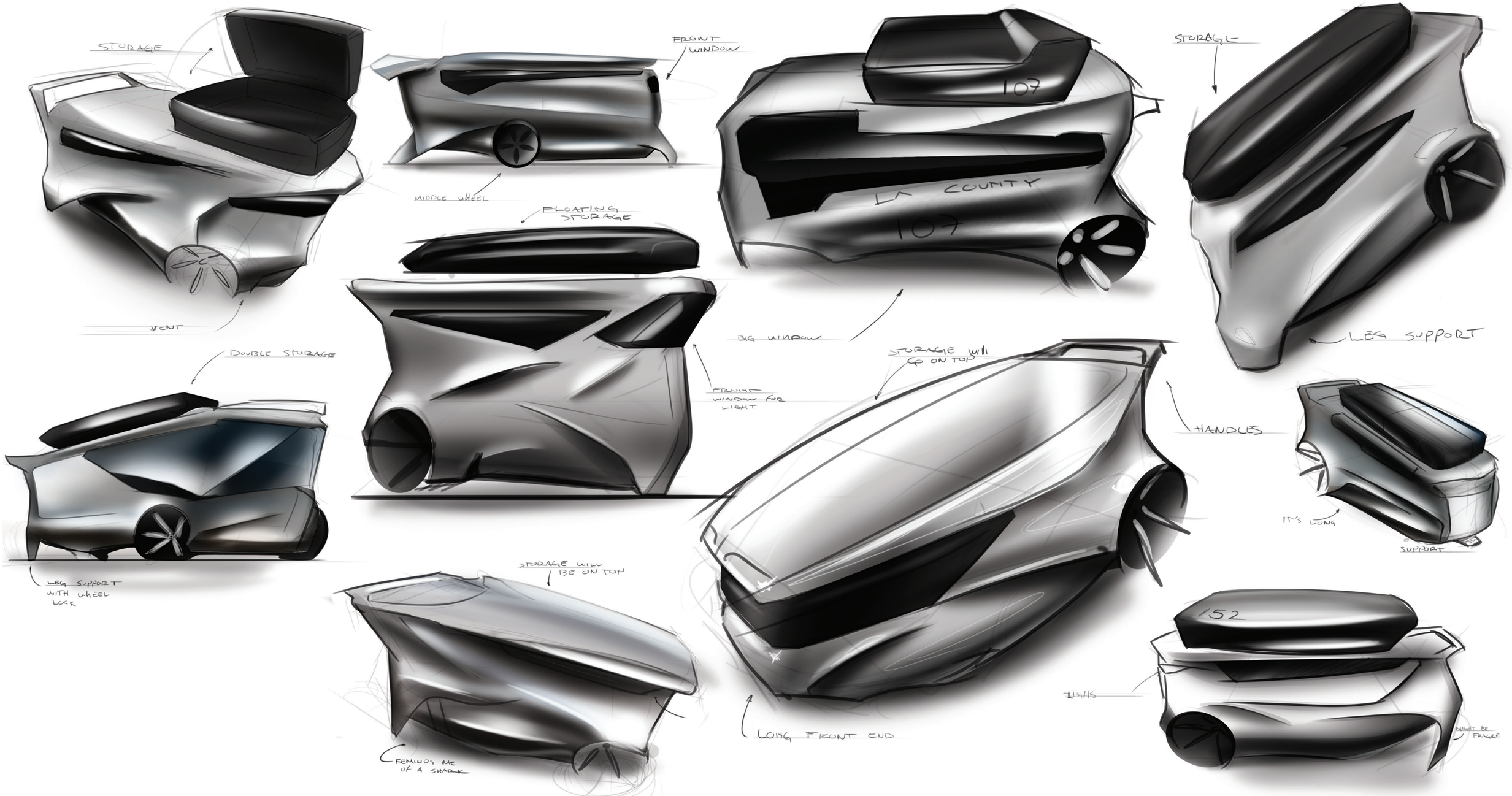


STORAGE

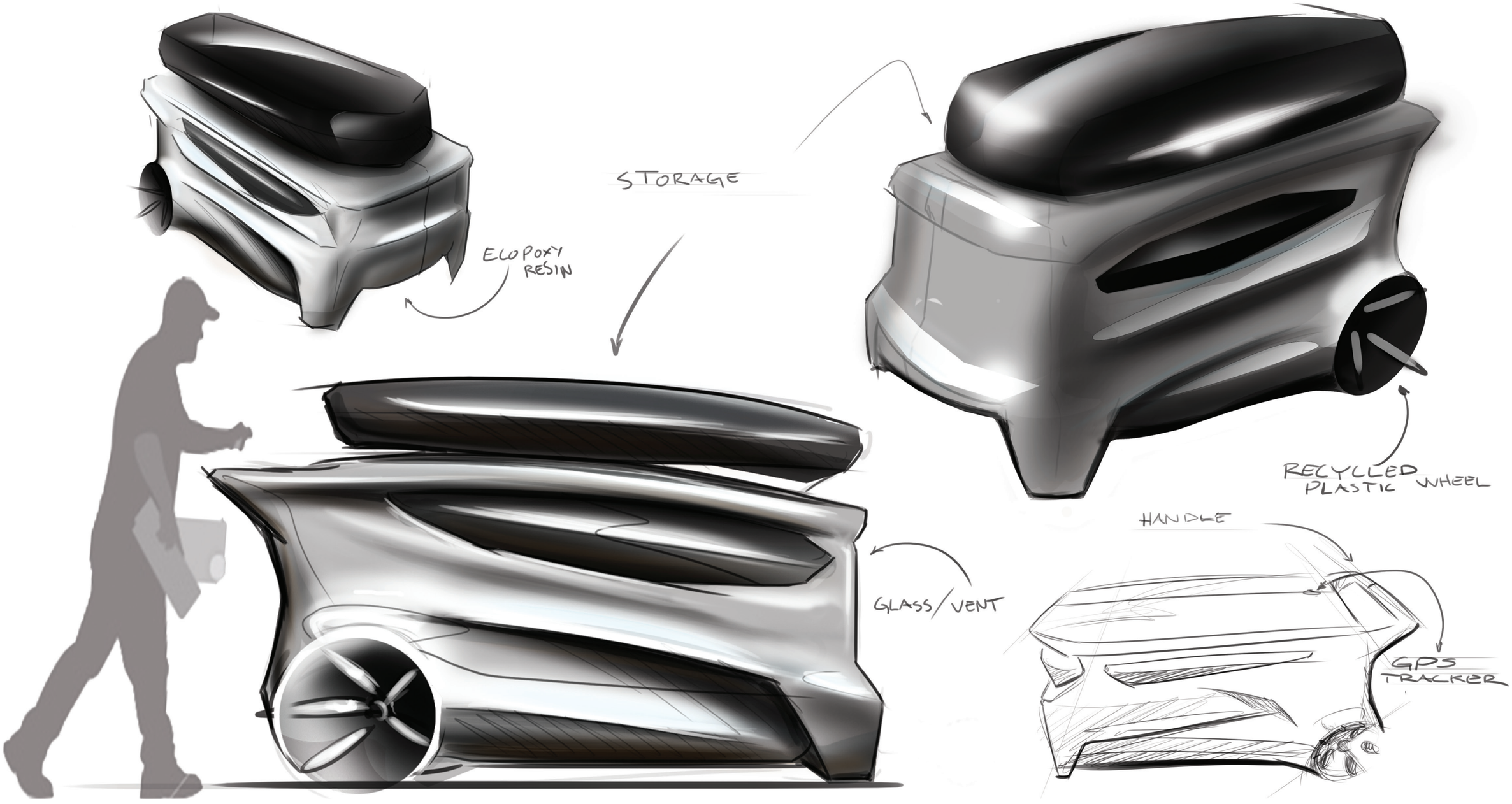


HANDLES

REDEFINEMENT



FINAL DESIGN



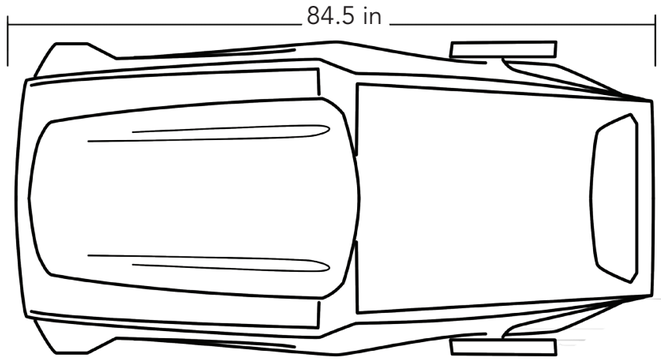
ORTHOGRAPHICS

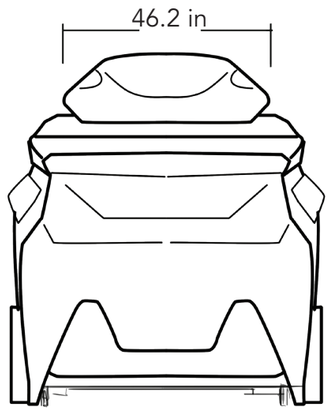
SKIDROW ORTHOGRAPHICS

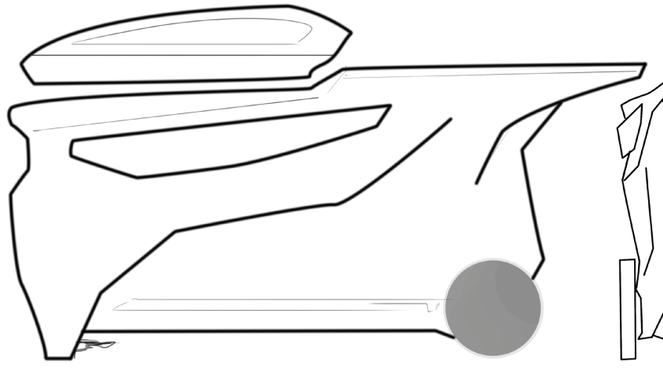
DIMENSIONS:

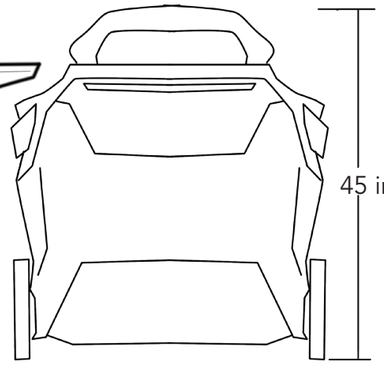
Length: 84.5 in
Width: 46.2in
Height: 45 in
Passenger volume: 44 cu ft
Cargo volume (storage): 6 cu ft
Weight: estimate of 300lb













FINAL DESIGN



RIDGID PRODUCT

WORK WITHIN YOUR COMFORT ZONE

OBJECTIVE

RIDGID ORBITAL PALM SANDER

To redesign a palm sander having human factors in mind to reduce user's fatige and overuse injuries.

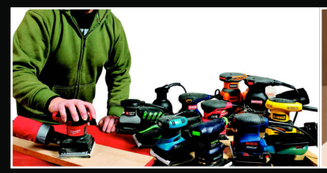


ELECTRIC SANDERS

RANDOM ORBITAL PALM SANDERS ABOUT

Random orbit sanders are hand-held power tools for sanding in which the sanding blade delivers a random-orbit action.

The round pad on a random-orbit sander moves in “random orbits,” meaning it vibrates in tiny circles, like an orbital finishing sander, but it also spins in circles. As a result, this single compact tool can be used for both stock removal and ultra-smooth sanding. And because the pad vibrates and spins simultaneously, it all but eliminates swirl that ordinary orbital sanders sometimes leave behind.







ERGONOMICS THE PROBLEM

Sanding can be tedious. You may get into a zone as you do it. But the palm of your hand will pick up serious feedback with the continuous vibration.

Strong vibration over long periods of time, triggered by power tools, can throw this sensitive structure off balance. While it’s important to limit operating times for high-vibration tools, manufacturers are trying to develop tools that are lower in vibration.







Using ergonomic products can exercise the fingers and hands which may be especially helpful in conditions like arthritis and rheumatoid arthritis.

DESIGN DIRECTION



Powerful.



Multiple grabbing positions



Mess free.



Durable.

DEMOGRAPHIC



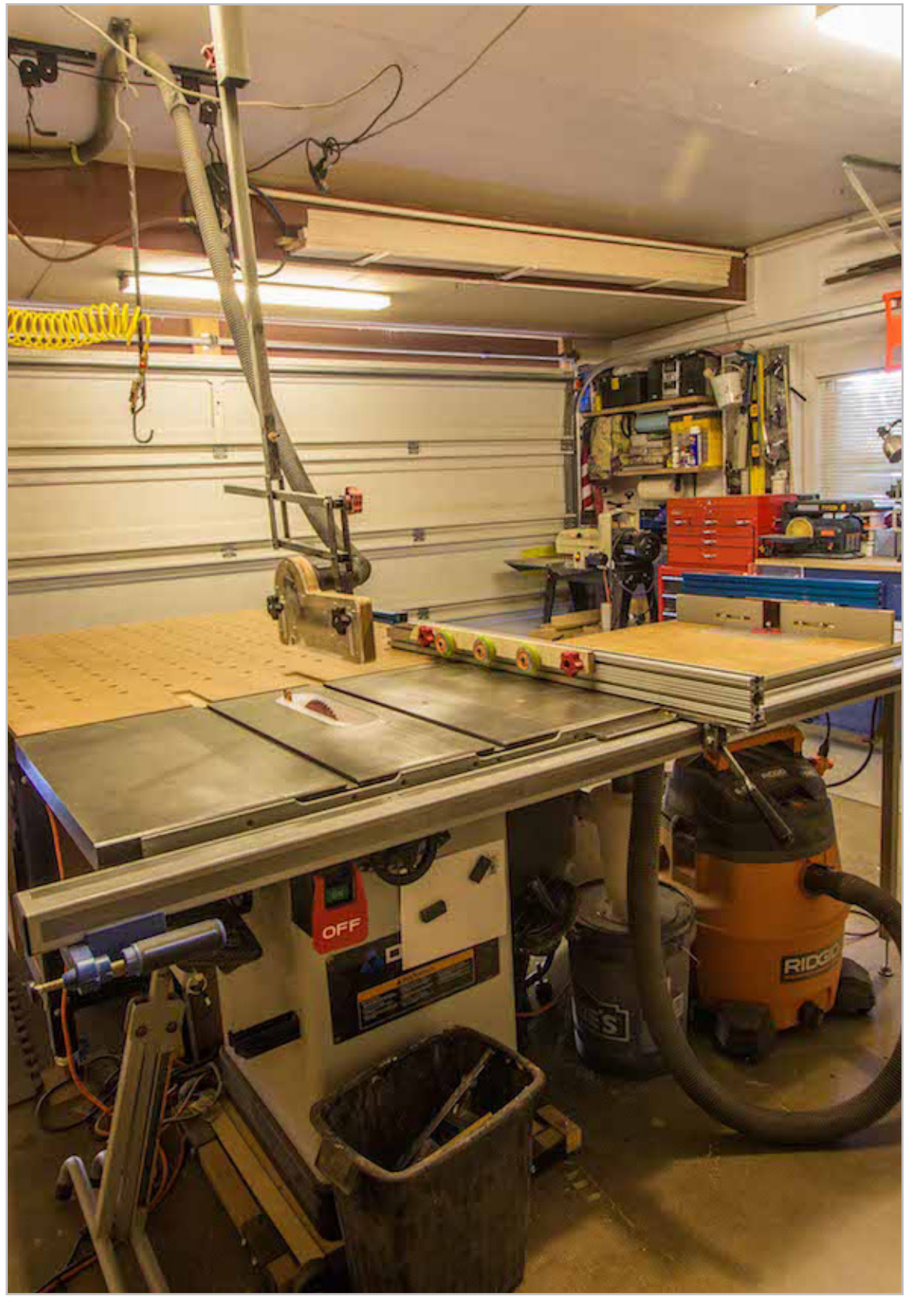
Men, 50+.



Likes to spend time with the family.



Hand injuries.



Enjoys wood working in the garage.

PSYCHO AESTETHICS MAP

Artistic

Enriched



Basic

Versatile

ERGONOMICS

The majority of palm sanders employ a twin-grip style body that lets the user hold the tool either by its top or around the waist. This lets you change your grip, either to suit the sanding situation or to avert the hand fatigue due to holding the tool in the same manner for long periods.

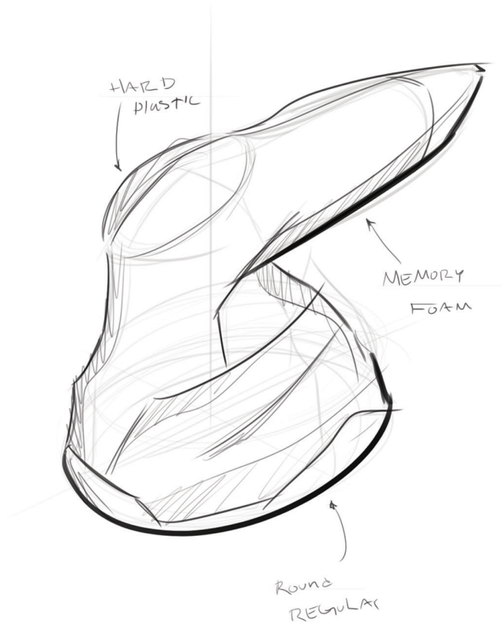
PALM SANDER RESEARCH

The market is full of well-built palm sanders that perform well in the woodshop. All have quirks, and some do one thing better than the rest.

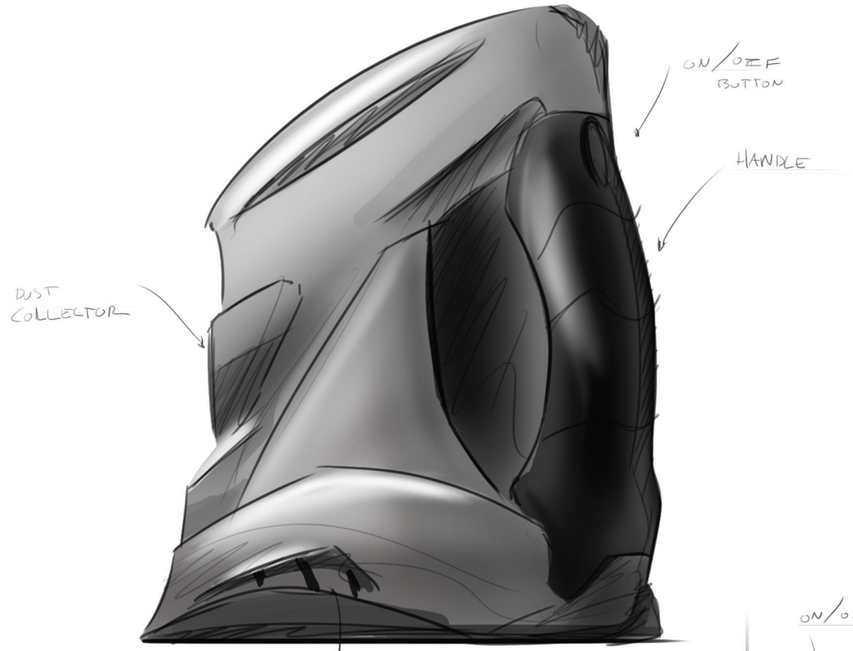
The 1/3 sheet Makita BO3710 is the best all-around palm sander in this lineup. Better engineered than the competition in almost every way, its only drawback is its considerably larger size. Best of all, it sands significantly faster than the closest competitor.

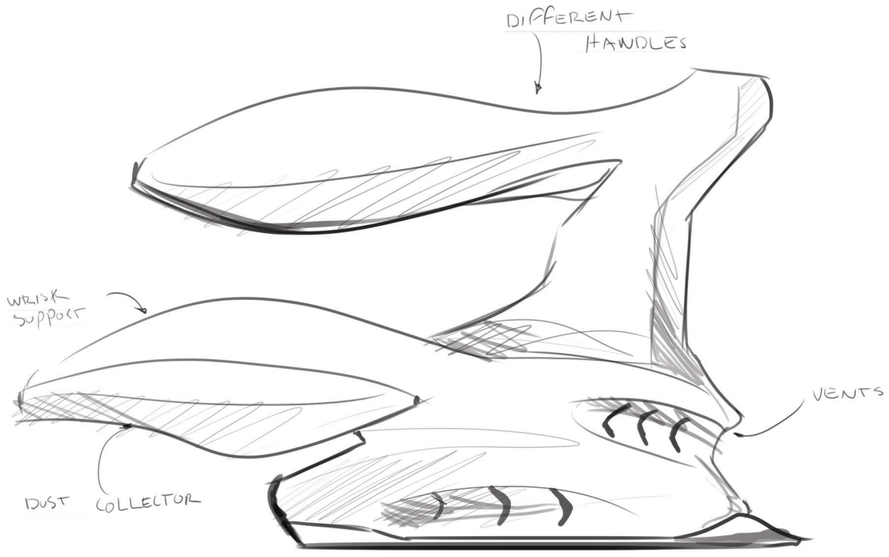
The foursome of the Bosch 1297D, Makita BO4556, DeWalt D26441, and Porter Cable Model 342 defines the middle of the pack. Each one of these is a capable sander that will perform well in any woodshop. Choosing based on brand loyalty is not a bad strategy in this segment.

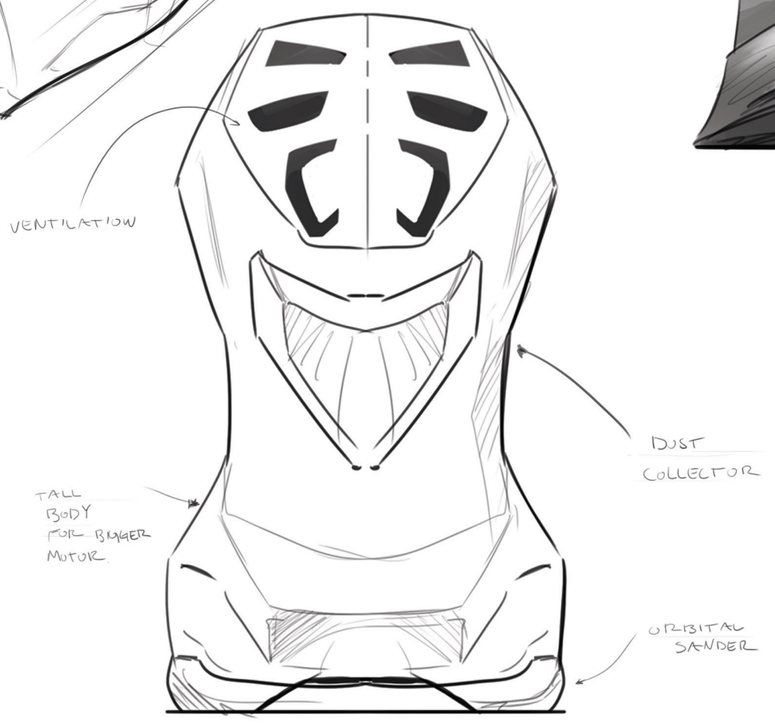
IDEATION

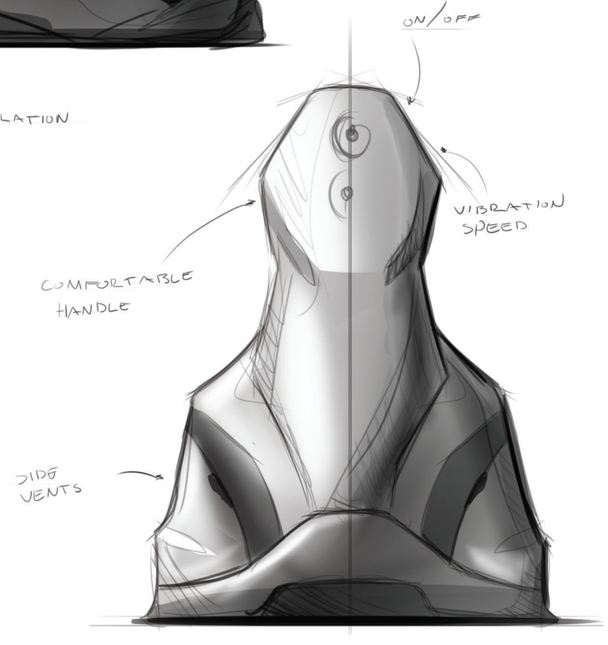

HARD
PLASTIC
MEMORY
FOAM
Round
REGULAR


DUST COLLECTOR
HANDLE
ROUND
ORBITAL
SANDER

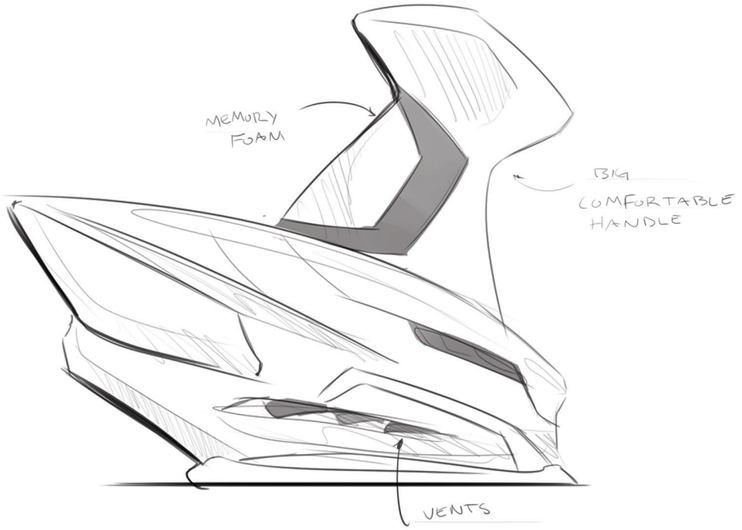

ON/OFF
BUTTON
HANDLE
DUST
COLLECTOR
VENTILATION

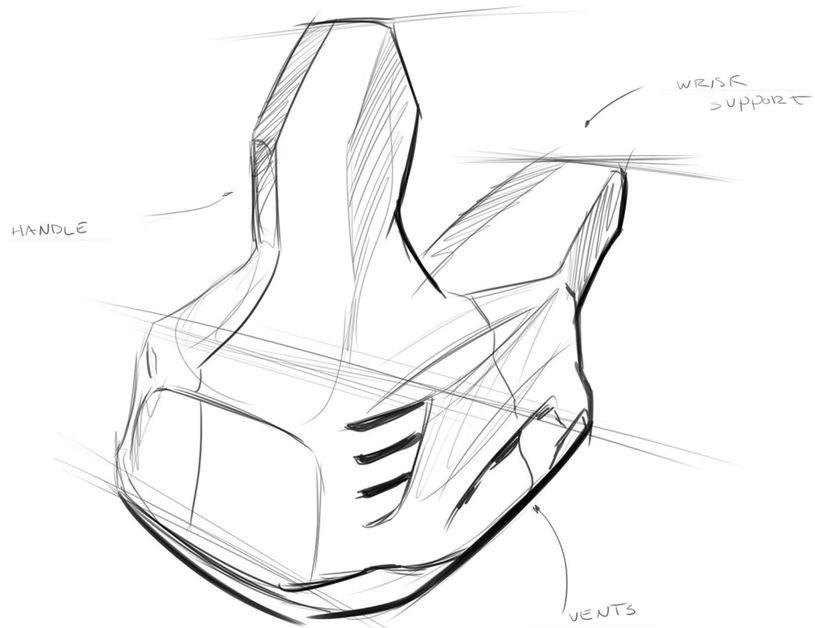

DIFFERENT
HANDLES
WRIST
SUPPORT
VENTS
DUST
COLLECTOR


VENTILATION
TALL
BODY
FOR BIGGER
MOTOR
DUST
COLLECTOR
ORBITAL
SANDER

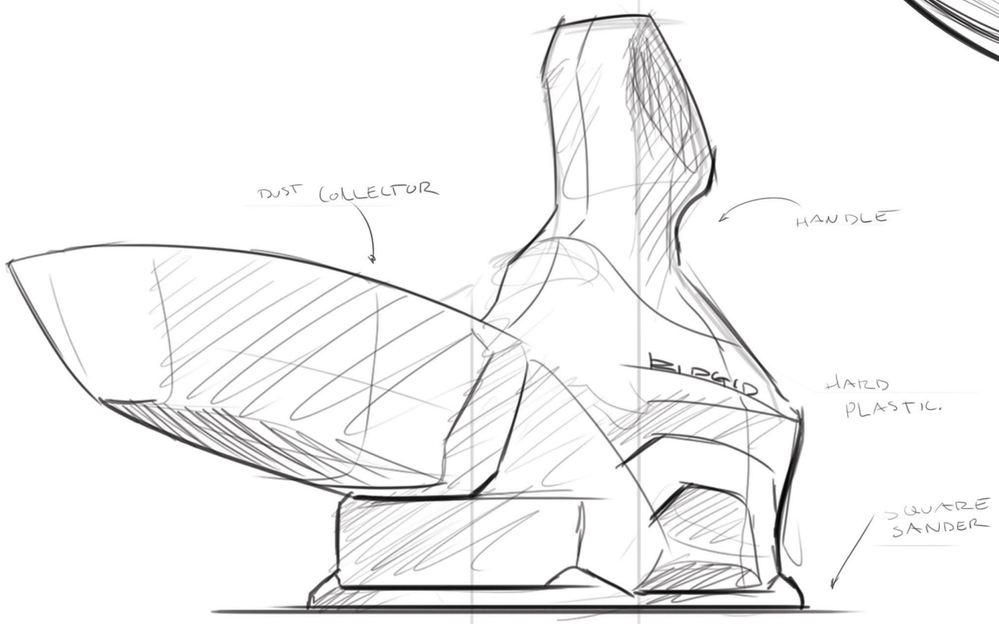

ON/OFF
VIBRATION
SPEED
COMFORTABLE
HANDLE
SIDE
VENTS

IDEATION

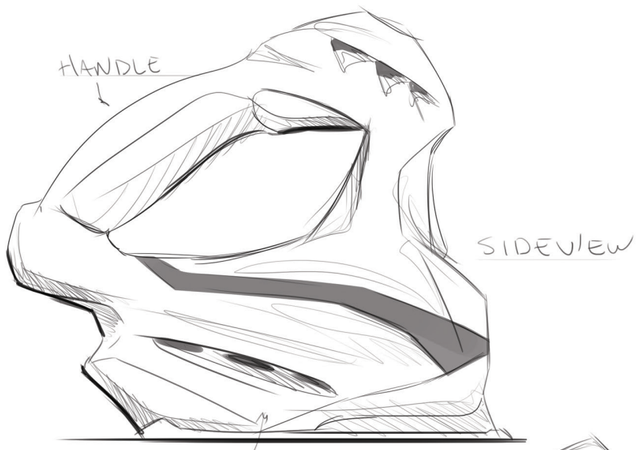

MEMORY FOAM
BIG COMFORTABLE HANDLE
VENTS


HANDLE
WRIST SUPPORT
VENTS

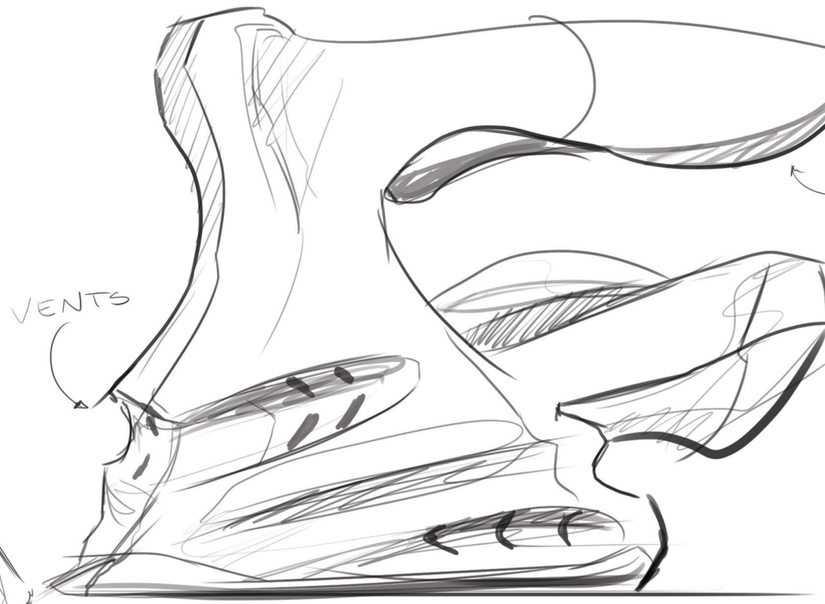

MULTIPLE HANDLES
WRIST SUPPORT
MORE VENTS
HANDLE
MEMORY FOAM
VENTS
DUST COLLECTOR
AGGRESIVE LOOKING

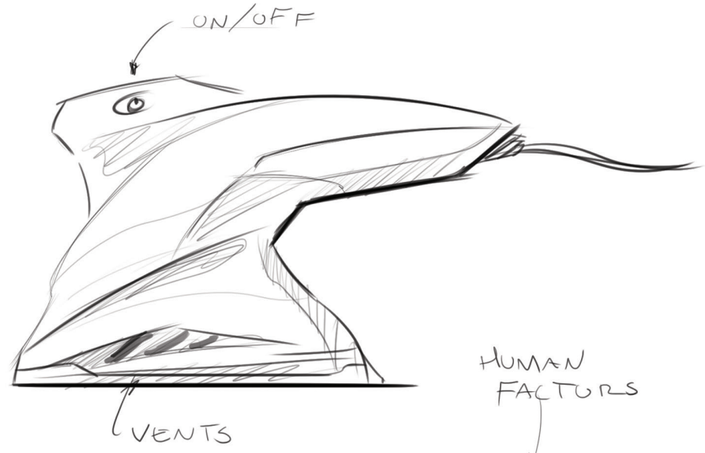

DUST COLLECTOR
HANDLE
HARD PLASTIC.
SQUARE SANDER

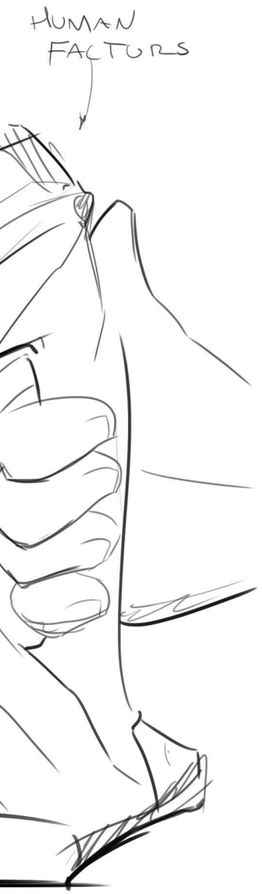
IDEATION

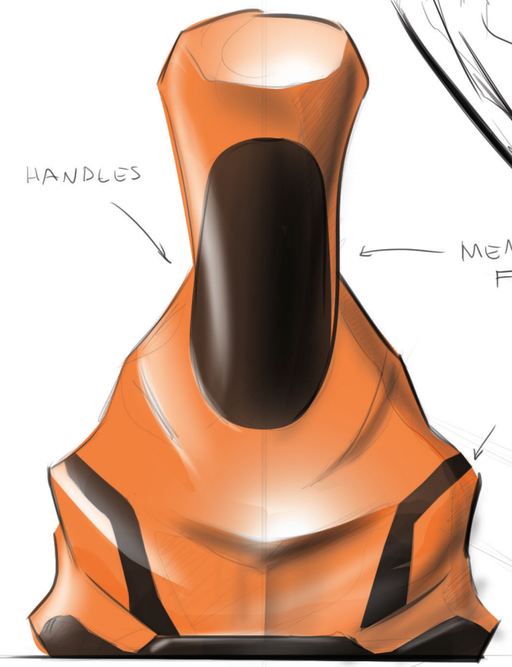

HANDLE
SIDEVIEW
VENTS


TOP
VIEW

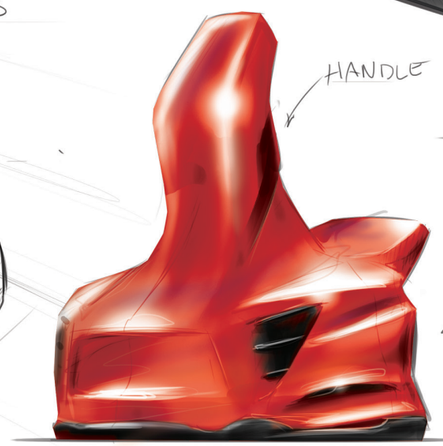

VENTS
HANDLE

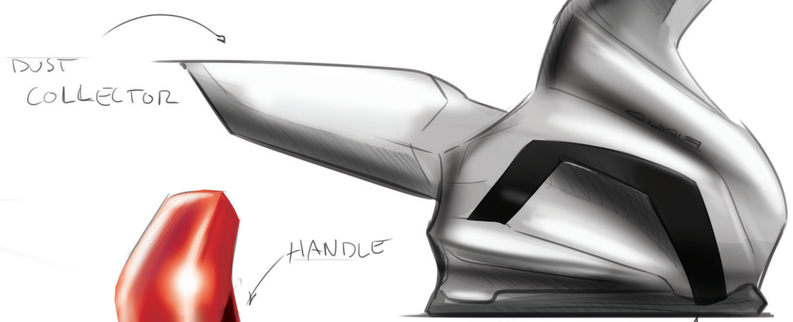

ON/OFF
VENTS


HUMAN
FACTURS
HANDLE

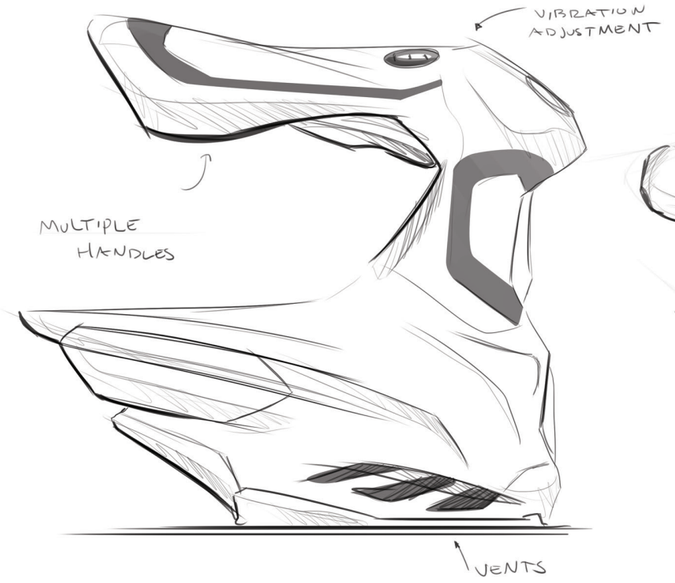

HANDLES
MEMORY
FOAM
ROUND ORBIT

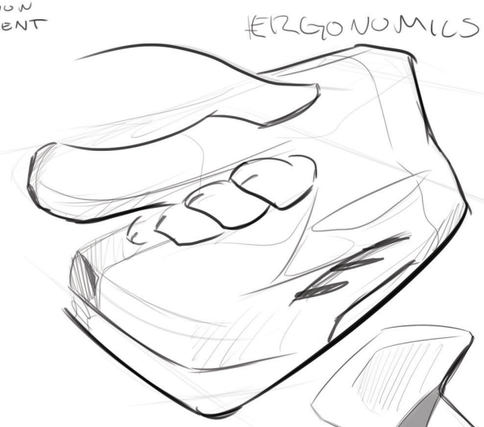

VENTS
ON/OFF


HANDLE
DIFFERENT
COLORS

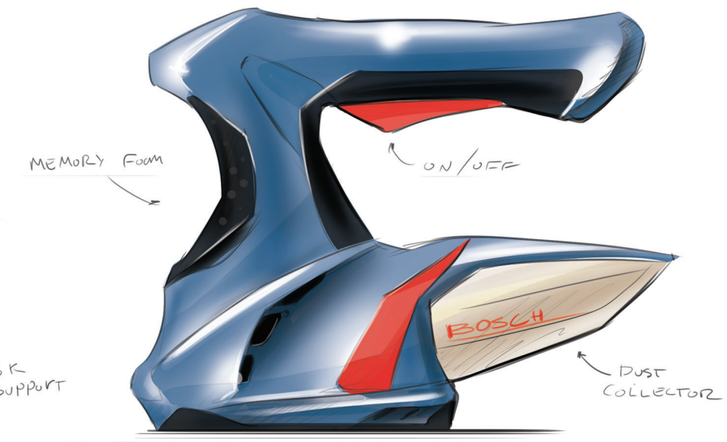

DUST
COLLECTOR
HANDLE
MEMORY
FOAM

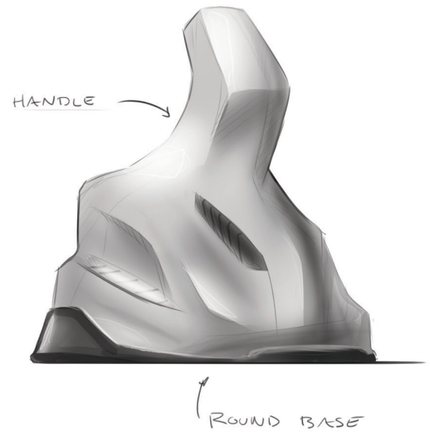
IDEATION

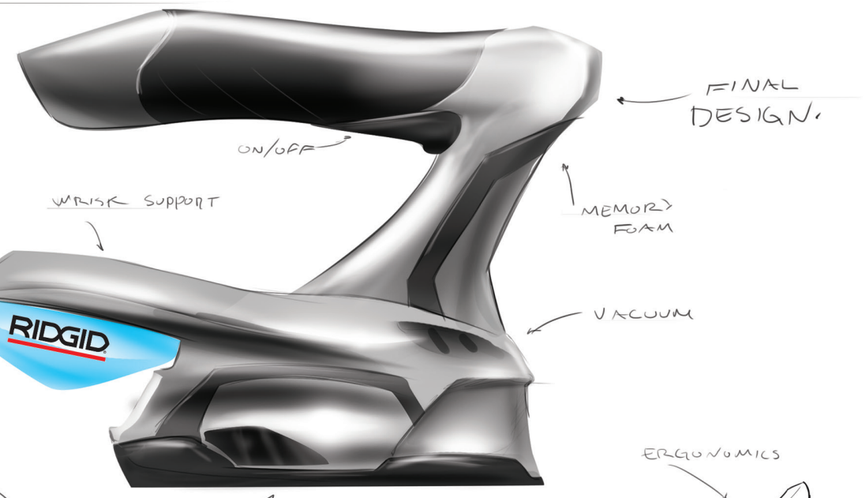

VIBRATION ADJUSTMENT
MULTIPLE HANDLES
VENTS

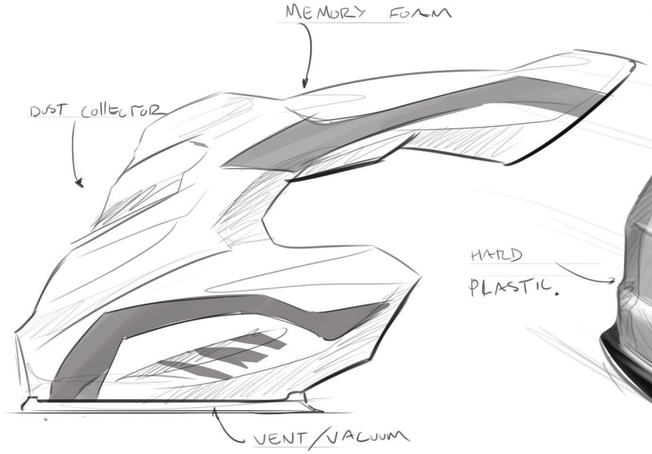

ERGONOMICS

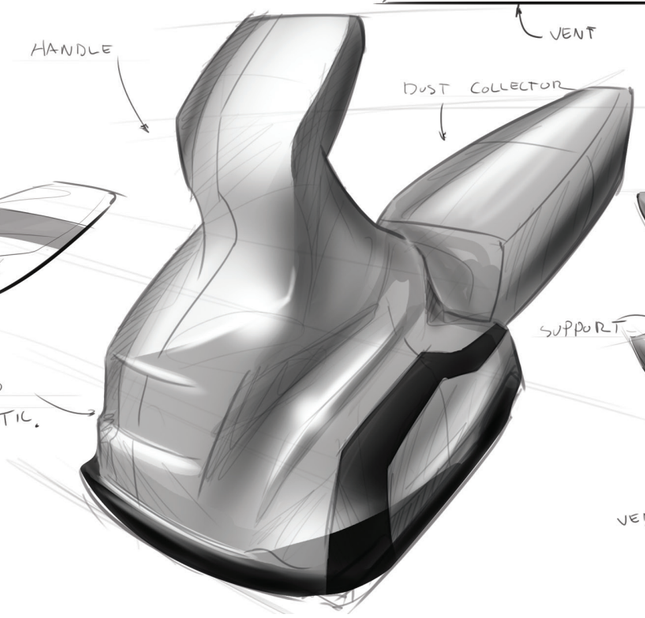

WRIST SUPPORT
HANDLE
DUST COLLECTOR
VENT


MEMORY FOAM
ON/OFF
BOSCH
DUST COLLECTOR

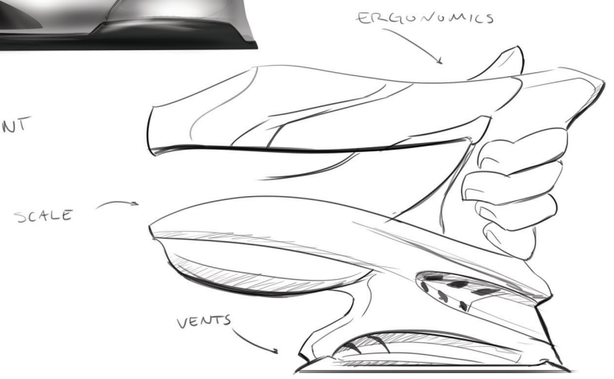

HANDLE
ROUND BASE


FINAL DESIGN.
ON/OFF
MEMORY FOAM
WRIST SUPPORT
DUST COLLECTOR
VACUUM
RIDGID
VENT

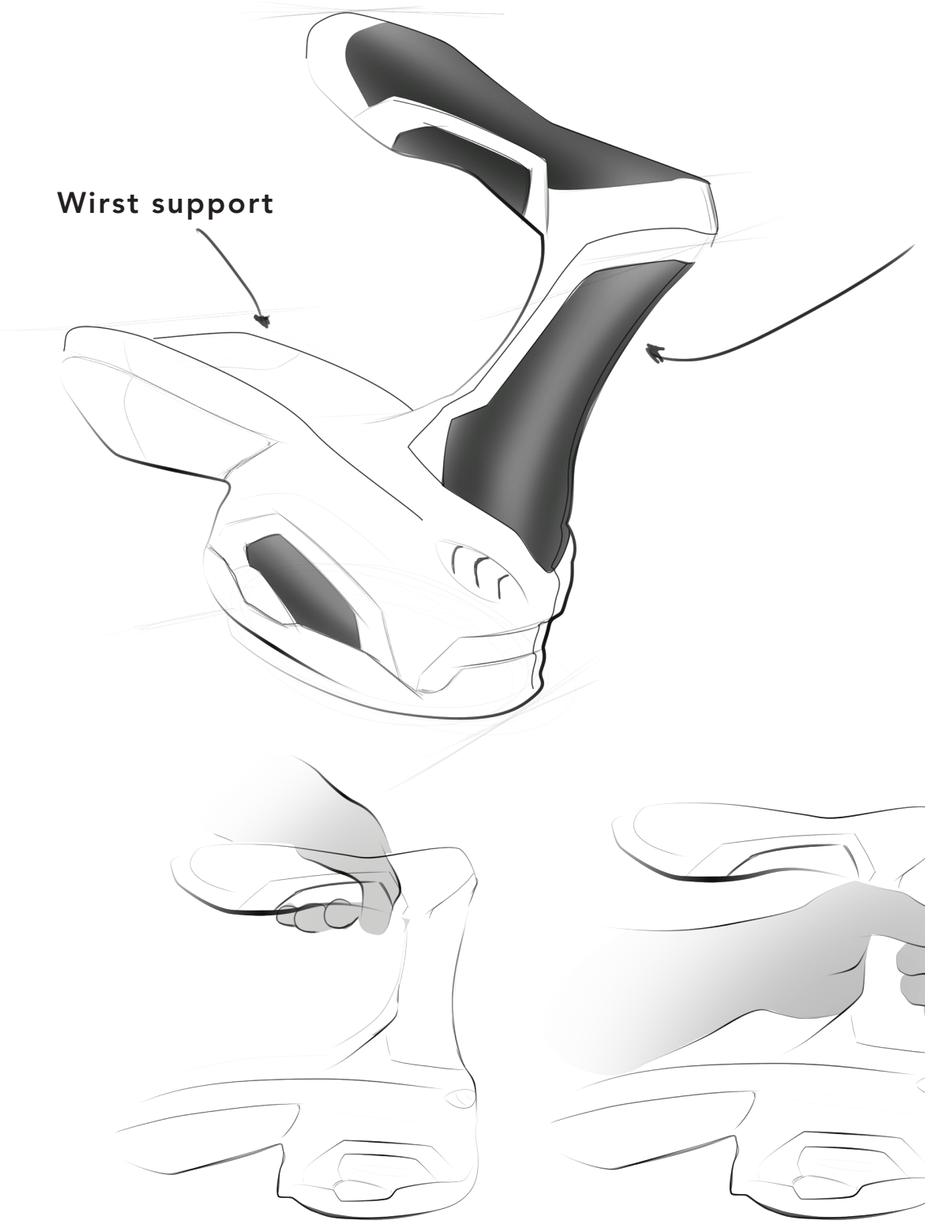

MEMORY FOAM
DUST COLLECTOR
VENT/VACUUM


HANDLE
DUST COLLECTOR
HARD PLASTIC.


ERGONOMIC HANDLE
ON/OFF
SUPPORT
VENTS


ERGONOMICS
SCALE
VENTS

FEATURES



Multiple Grabbing positions



FINAL DESIGN





BMW TRANSPORTATION

MADNESS AT ITS BEST

OBJECTIVE

BMW M SPORTS COUPE

To design BMW's M5 series coupe version, keeping BMW design style.



INSPIRATION

BMW DESIGN STYLE

M5 ABOUT

In 1985, BMW created the M5, nothing less than a supercar in disguise. That first model was powered by the outrageously muscular engine from the M1. The result was extreme performance in the perfect camouflage.

Subsequent iterations of the M5 have been built from each generation of the 5-Series platform, including the E34, E39, E60/E61, and most recently, F10, with the first orders delivered in late 2011.







BMW DESIGN

A BMW is not only technologically impressive but also emotionally moving. Characteristic of this is the perfect harmony of proportions, surfaces and details.

For decades various distinct design features have been shaping the unique styling of BMW. BMW was quick to recognise and consistently cultivate the value of these features. This is why, even today, the traditions that have evolved can be seen in every single BMW. All models reinterpret the typical features for themselves, thus underlining their independent character.







The most powerful letter in the world, BMW “M”.

DEMOGRAPHIC



Wealthy men, 35+



Modern.



Performance.



Magnificient.

COMPETITION

BMW COMPETITORS

There's definitely more competitors for the BMW M5 than ever before. When the M5 was at the top of its game and popularity, the only real competitor was Audi. Even Mercedes-Benz's AMG wasn't actually up to the task of competing with BMW. However, nowadays there are many competitors from many different car manufactures.

It's a strange time in the automotive world. The BMW M5 isn't alone at the top of the hill anymore and there are so many excellent cars to choose from.



BMW M5

0-60 3.7 sec

95.095

15/22 mpg



Cadillac CTS-V

0-60 3.6 sec

84.380

14/20 mpg



Lexus GS F

0-60 4.4 sec

85.380

16/24 mpg



Audi S6

0-60 4.7 sec

70.900

18/27 mpg



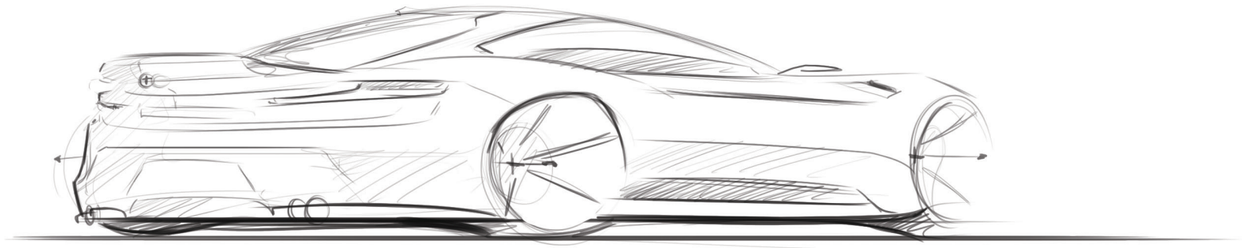
Mercedez Benz E63 AMG

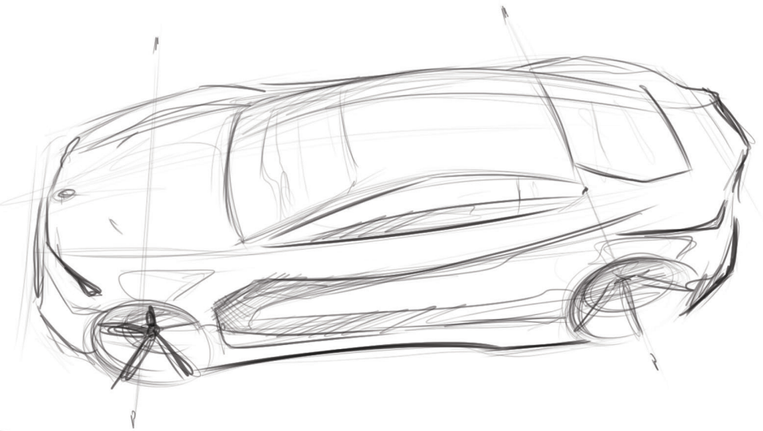
0-60 3.4 sec

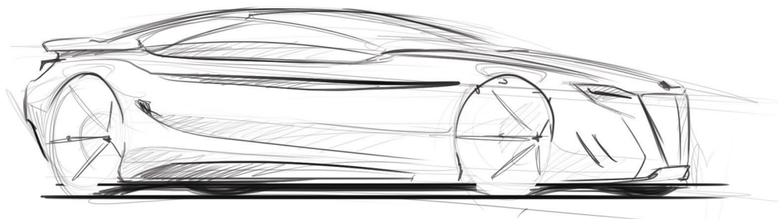
102.625

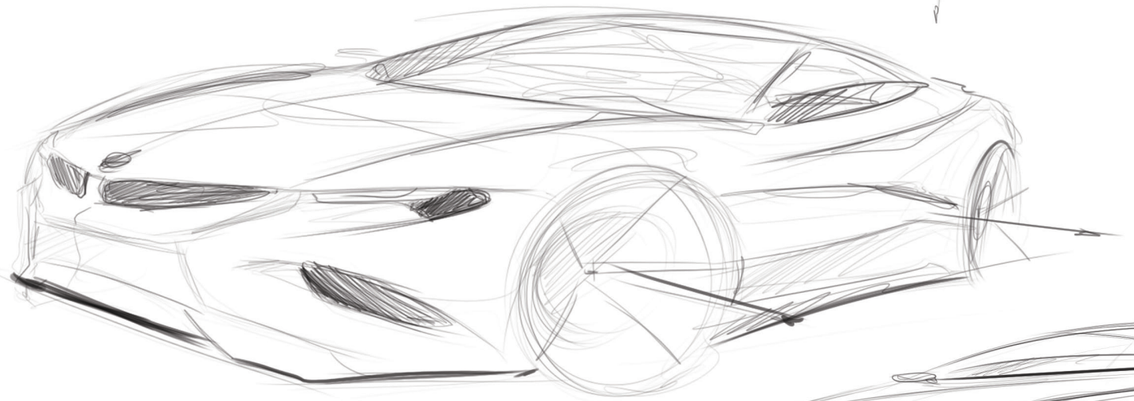
15/21 mpg

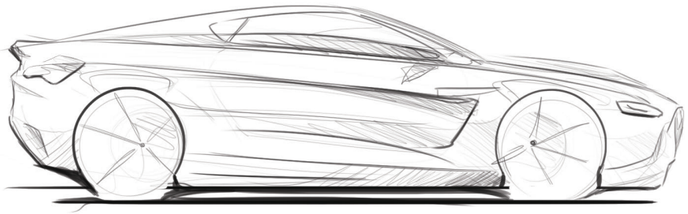
IDEATION

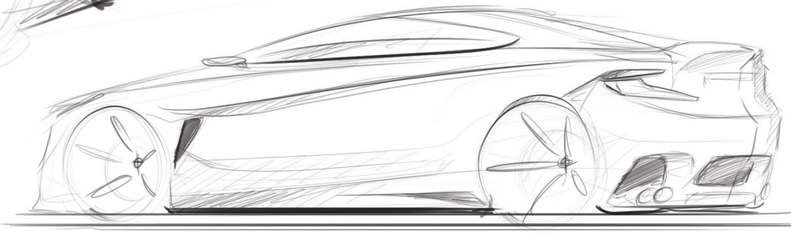


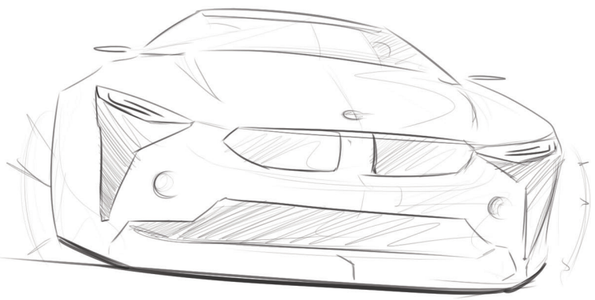


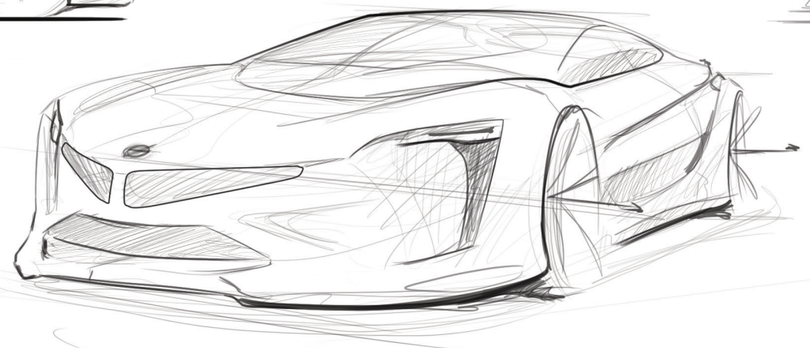


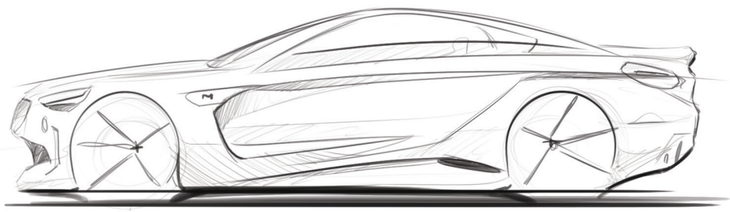








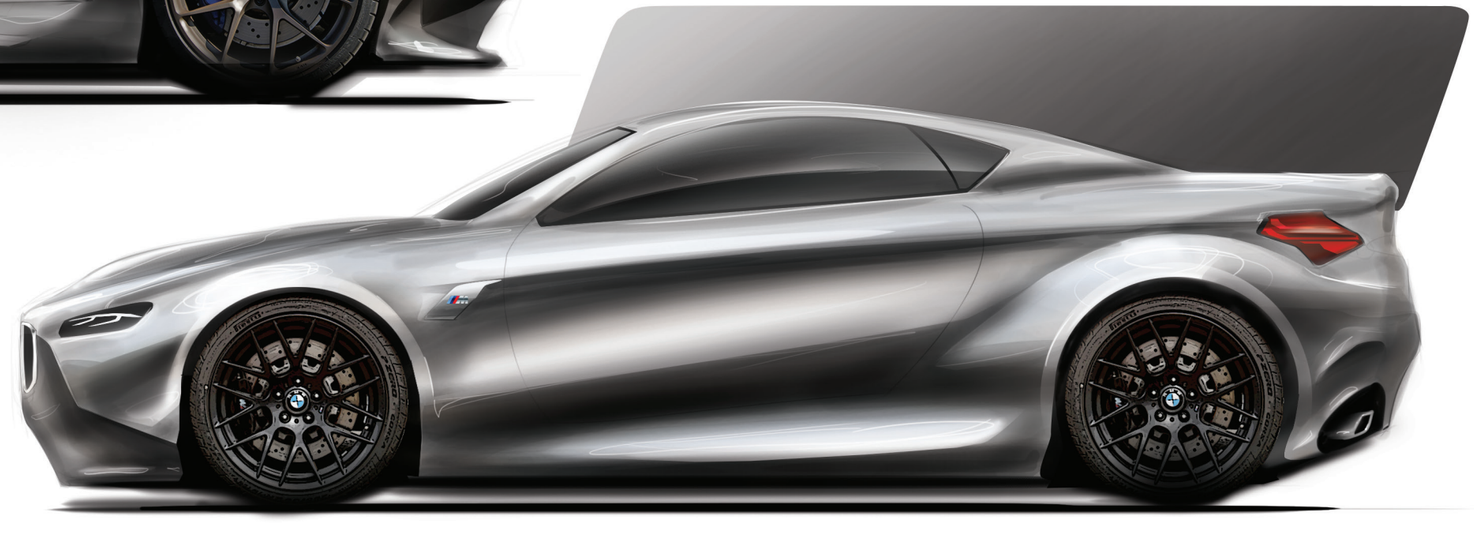




IDEATION







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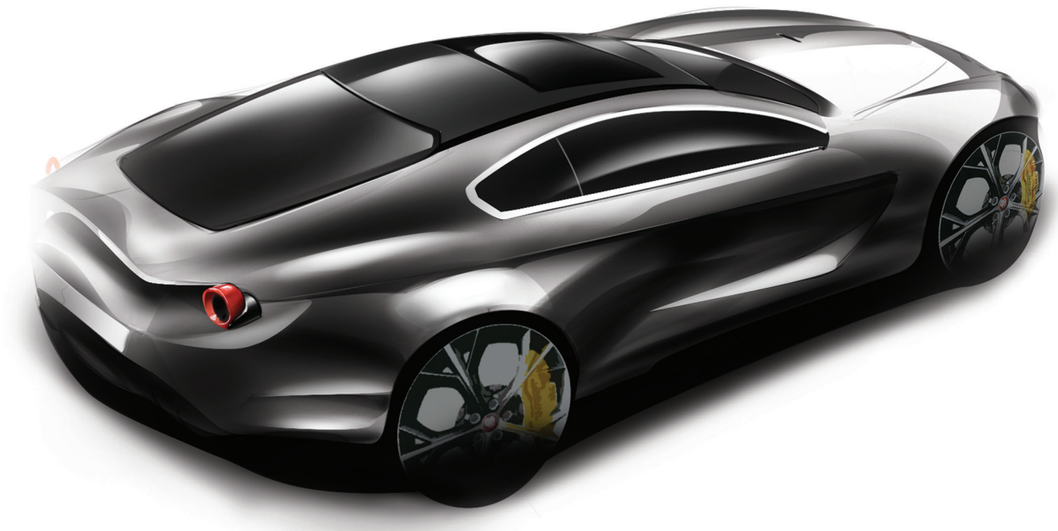
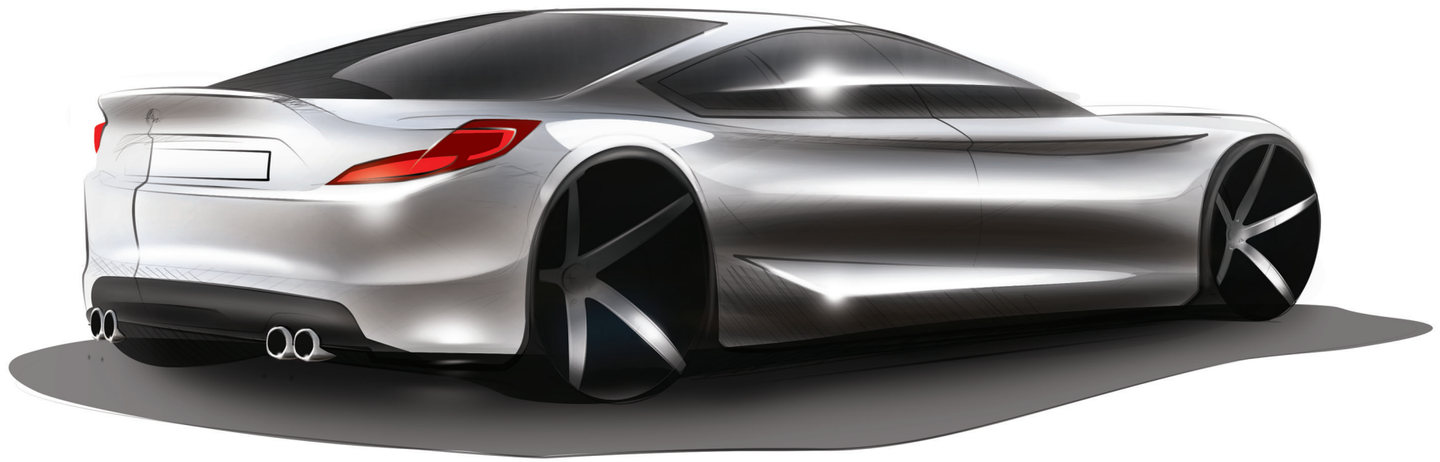


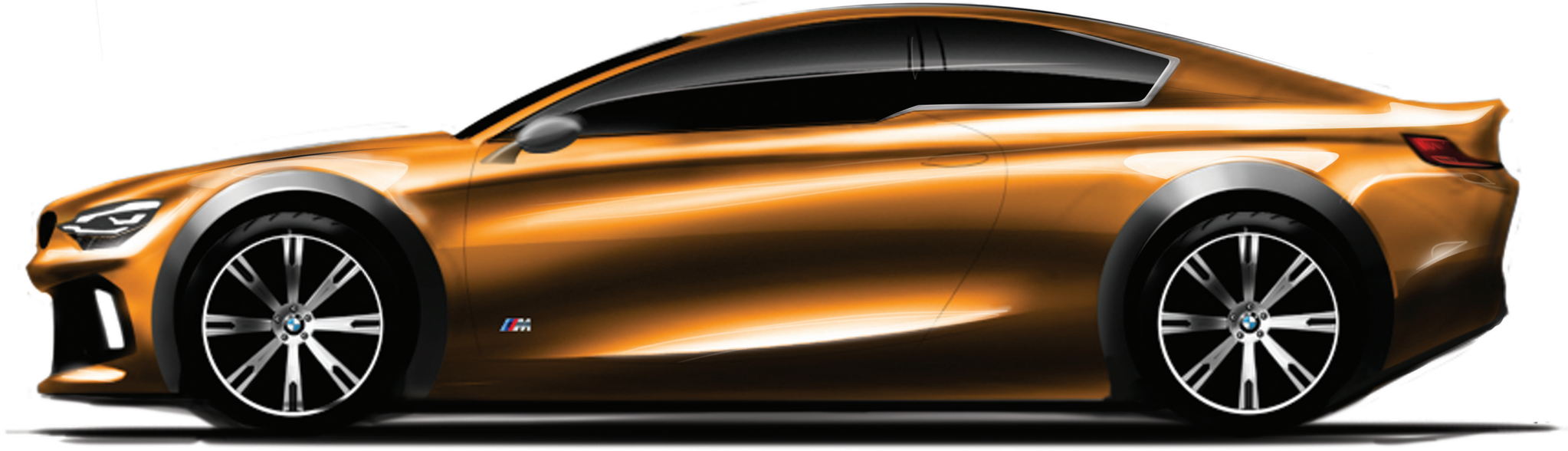




IDEATION







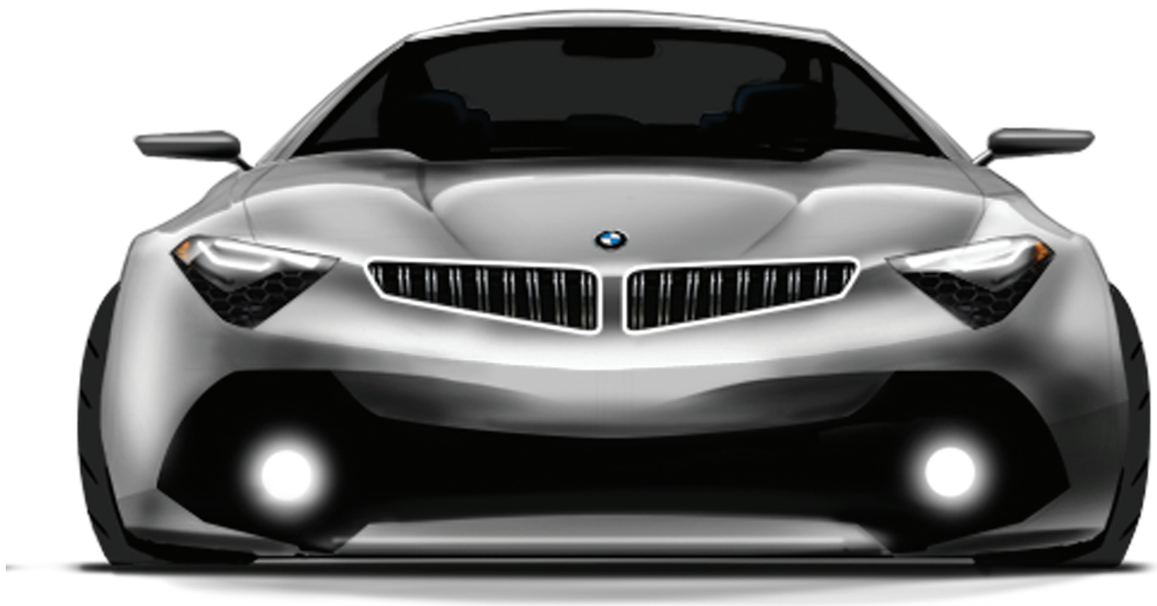
IDEATION





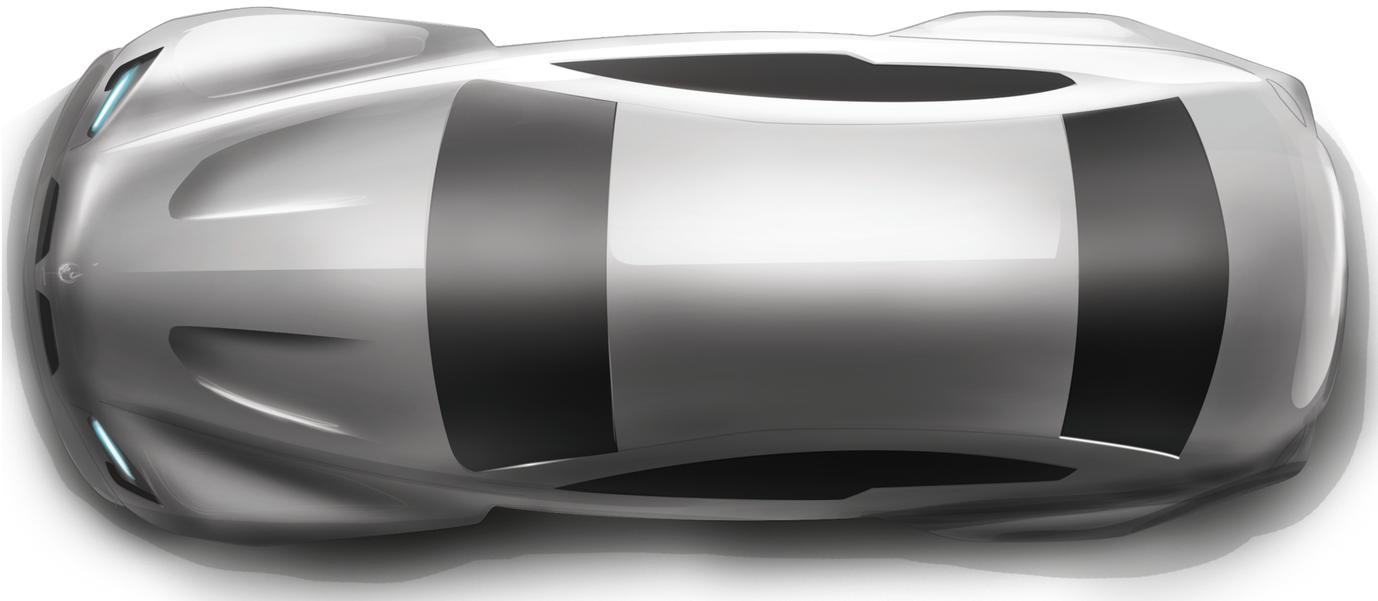


REDEFINEMENT





REDEFINEMENT



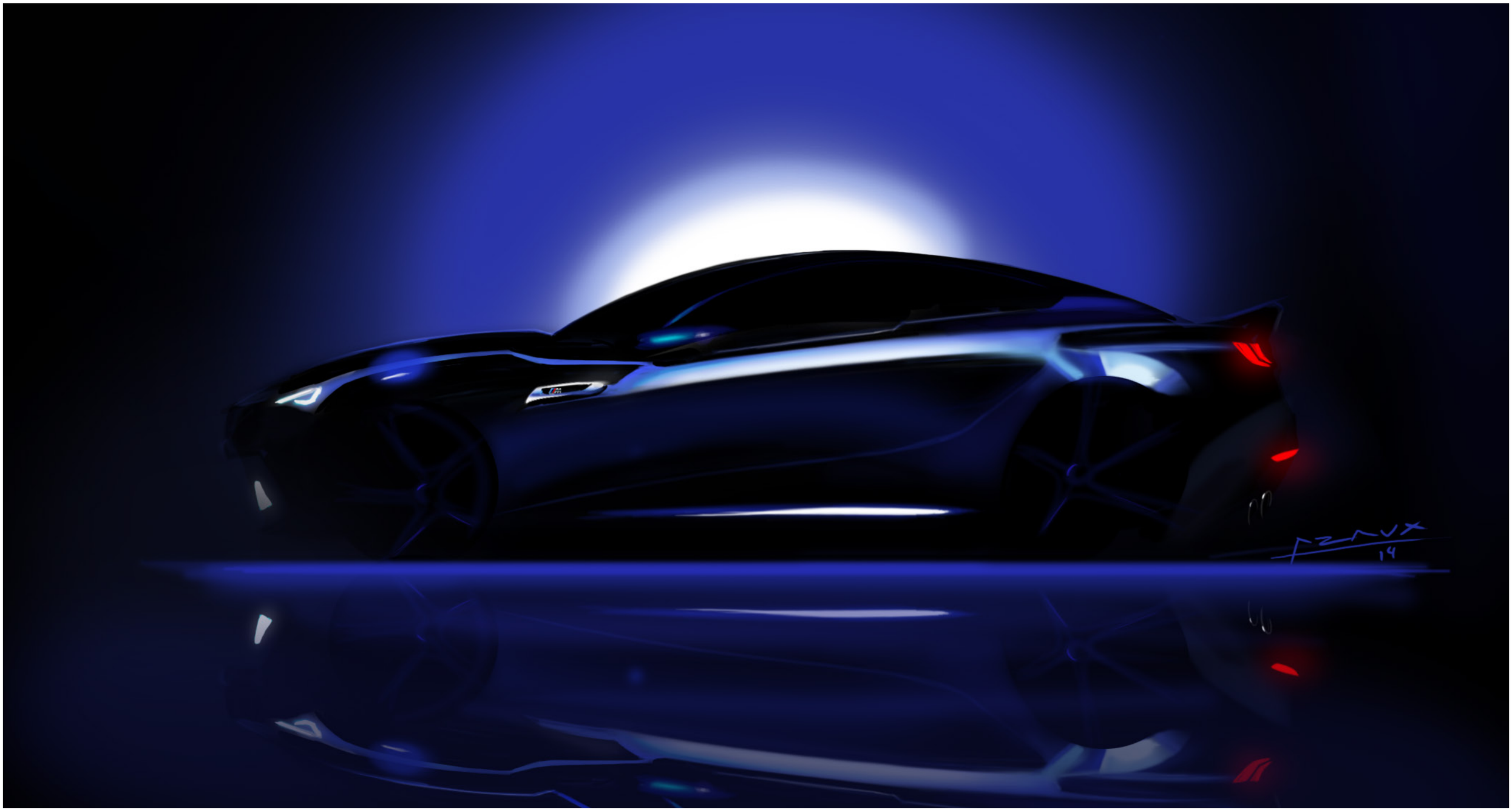




FINAL DESIGN



FINAL DESIGN



ORIGEN TRANSPORTATION

IT'S ALWAYS THE SAME DREAM

OBJECTIVE

ORIGEN SPORTS LUXURY YACHT

To design an evironmental friendly yacht.



INSPIRATION

THE ISLAND

THE ISLAND PLOT

In 2019, Lincoln Six Echo and Jordan Two Delta are best friends in a repressive and intriguing society, where everybody expects to win the lottery. The prize is to move to a paradisaical island outside the domes that protect the dwellers against the contaminated environment. Jordan wins the lottery, and Lincoln accidentally finds the scary truth behind the Utopian award: they are clones, generated to provide replacement organs and parts to the owners of insurance policy.



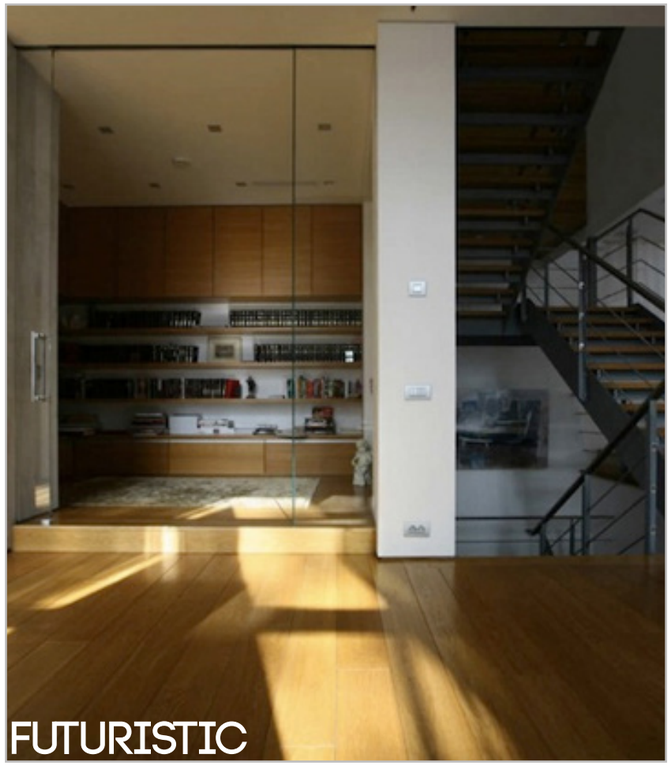
"IT'S ALWAYS THE SAME DREAM" STORY

Back in 2005. When I was 11 years old, My freinds and I decided to go to the movies after school, we all agreed to watch The Island.

I never thought that movie was going to change my life. After seing the life one of the characters on the movie, he had everithing I wanted in life. A wealthy transportation designer with a futuristic house, fast cars and all the beutiful women he wanted.

The moment I left the movie theather I said to my self that I was going to be a Designer and I,ve been striving to accomplish that dream since then.







Wally power 118 (Renovatio) is a luxury power boat, and big part of the movie.

DESIGN DIRECTION



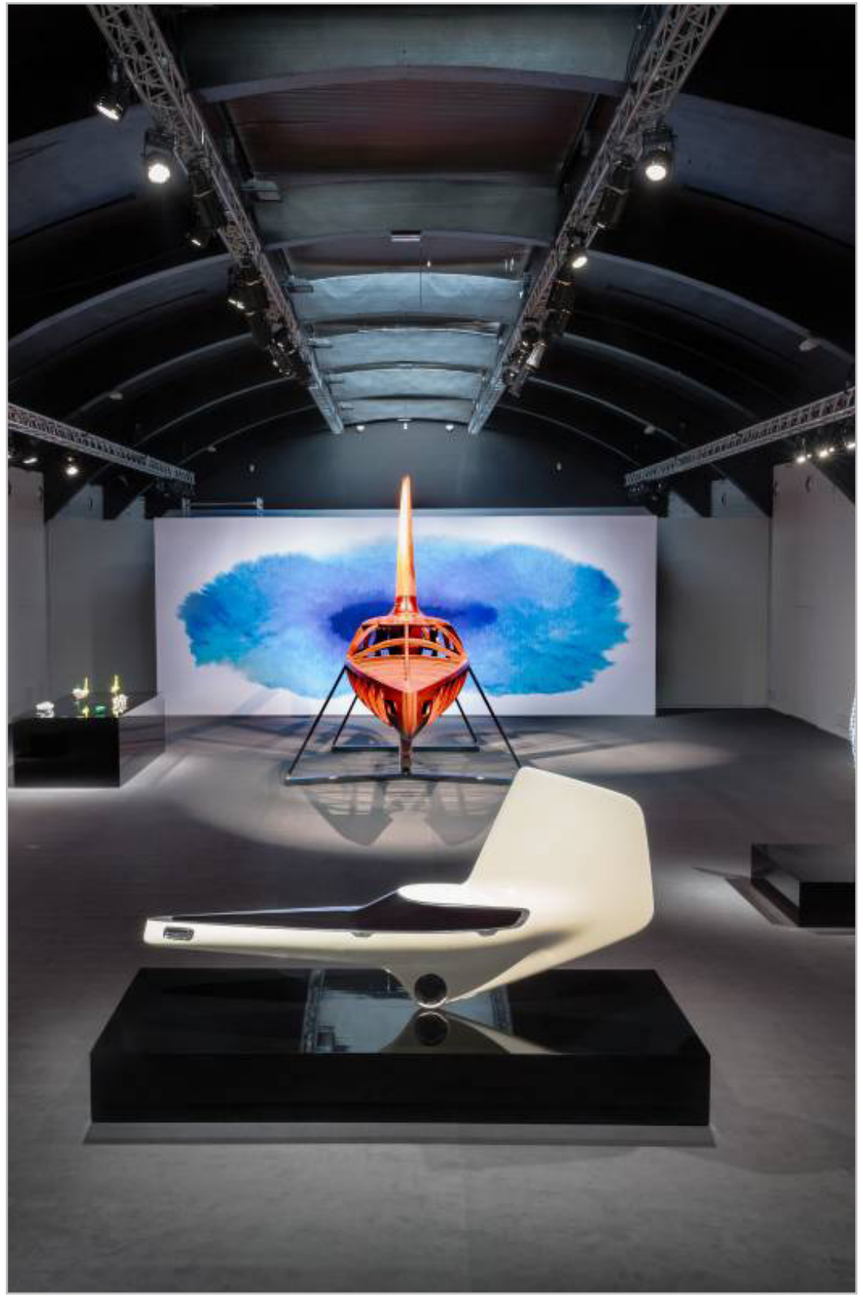
V hull is used on the fastest boats.



Contemporary car design.



Long front end.



Simple and unique

DEMOGRAPHIC



Wealthy small family.



Luxury



Vacations in Europe.



Family business owners.

MATERIALS

ECOPOXY RESIN

EcoPoxy® is a Plant based, 100% solid, waterproof, non-toxic, non-solvent, non-conductive, epoxy system that is Certified "GREEN".

Beginning with its ingredients, EcoPoxy draws it's strength and resource from the plants of the earth through its component of nuts and beans making it a truly revolutionary product. Carbon emissions from the use of these products are close to zero compared with the carbon emissions of other petroleum based resins.



BAMBOO DECK FLOOR

In Asian cultures, bamboo has been used as a building material for thousands of years. As the world becomes more environmentally conscious, however, many are in a sense going retro, abandoning modern construction materials for traditional bamboo.

Bamboo is stronger than steel and heartier than most hardwoods, so you know you are buying a high-quality material with high durability.



ALUMINIUM FRAME

Aluminum is among the most environmentally friendly metals on the planet. On a percentage basis it is the most recycled of any industrial metal. Aluminum is an extraordinarily versatile material.

Aluminium is a lightweight, strong and flexible metal. Due to its unique properties including durability, impermeability, high thermal and electric conductivity, resistance to corrosion and 100% recyclability.



ALTERNATIVE ENERGY

Is energy generated in ways that do not deplete natural resources or harm the environment, especially by avoiding the use of fossil fuels and nuclear power.

Some examples of alternative energy include: wind, solar, biomass, wave and tidal energy.

SOLAR ENERGY

Solar energy is one the alternative energy source that is used most widely across the globe. About 70% of the sunlight gets reflected back into the space and we have only 30% of sunlight to meet up our energy demands.



WIND ENERGY

Wind power is the use of air flow through wind turbines to mechanically power generators for electricity.

Wind power, as an alternative to burning fossil fuels, is plentiful, renewable, widely distributed, clean, produces no greenhouse gas emissions during operation, and uses little land.

OCEAN (TIDAL) ENERGY

Tidal power basically involves using kinetic energy from the incoming and outgoing tides.

The rise and fall of ocean tides are captured by tidal energy generators which turn turbines. The movement of turbines is responsible for producing electricity.

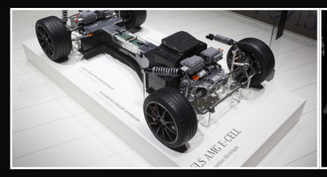
ENVIRONMENTAL FEATURES

AMG TECHNOLOGY

AMG ELECTRIC DRIVE ABOUT

I wanted to incorporate two AMG electric motors, this purely electric driven systems are ideally packaged for the integration of the high-performance, zero-emission technology.

Max. output: 552 kW (751 hp)
Torque: 1000 Nm
0 - 100 km/h: 3.9 s
Range 250 km (according to NEDC combined)
Battery energy content: 60 kWh
Battery voltage: 400 volts



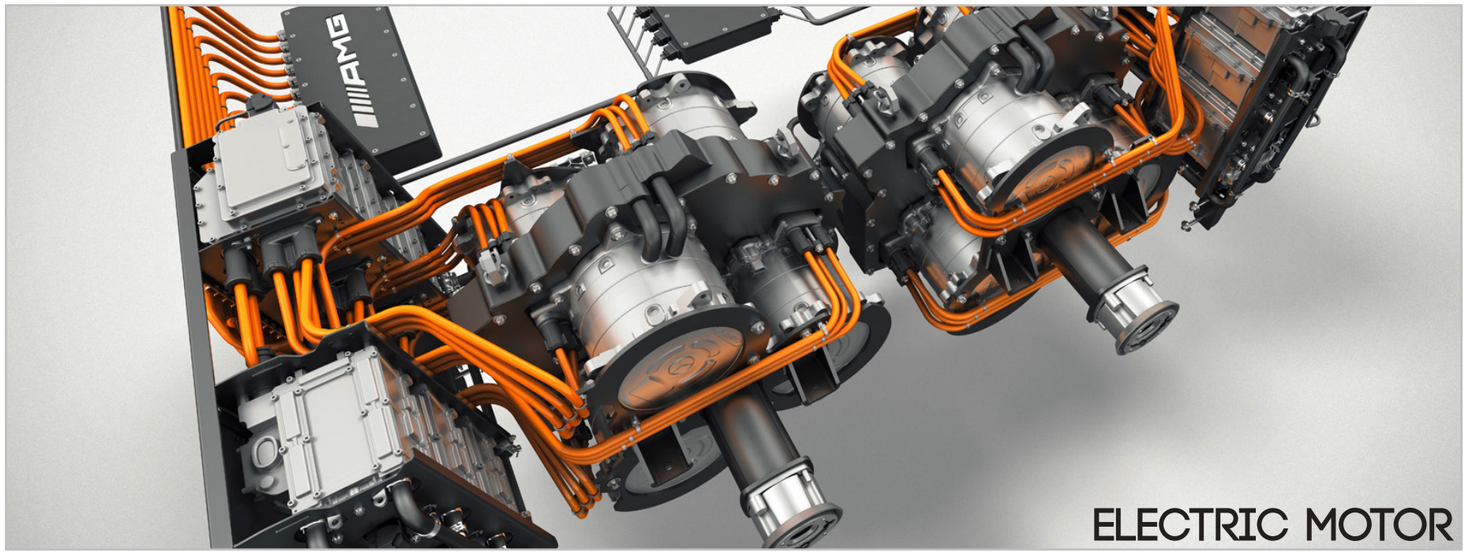




MULTI-VOLTAIC PAINT ABOUT

The Origen boat concept is finished in "multi-voltaic silver" paint that harvests solar and wind energy.

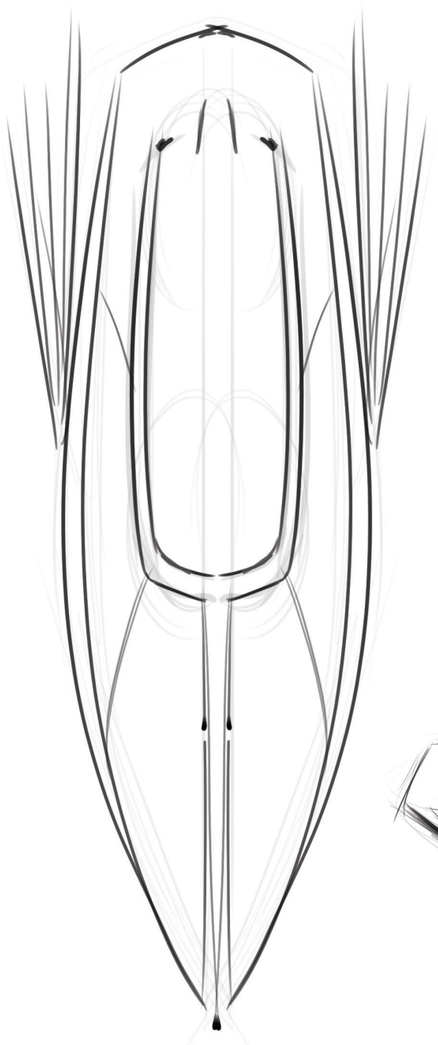
According to Mercedes, the multi-voltaic paint acts like "a giant solar cell with excellent efficiency," recovering solar energy and relaying it into the car's internal system. In addition, it can be charged electrostatically, by the relative wind caused by driving or the natural wind when the vehicle is stationary.

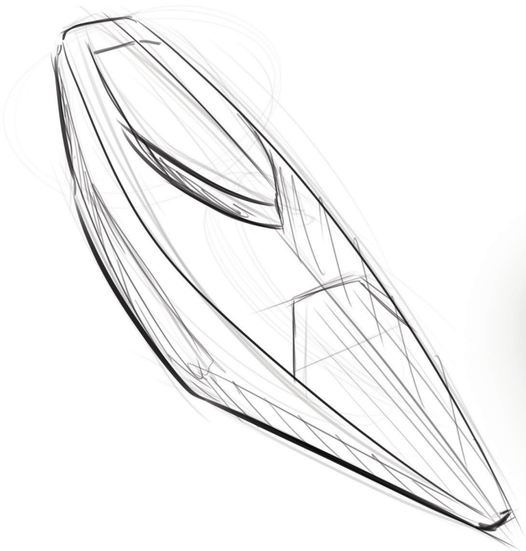




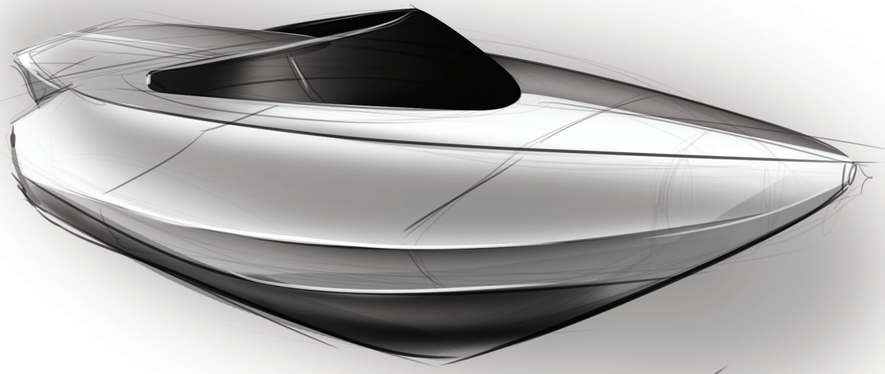


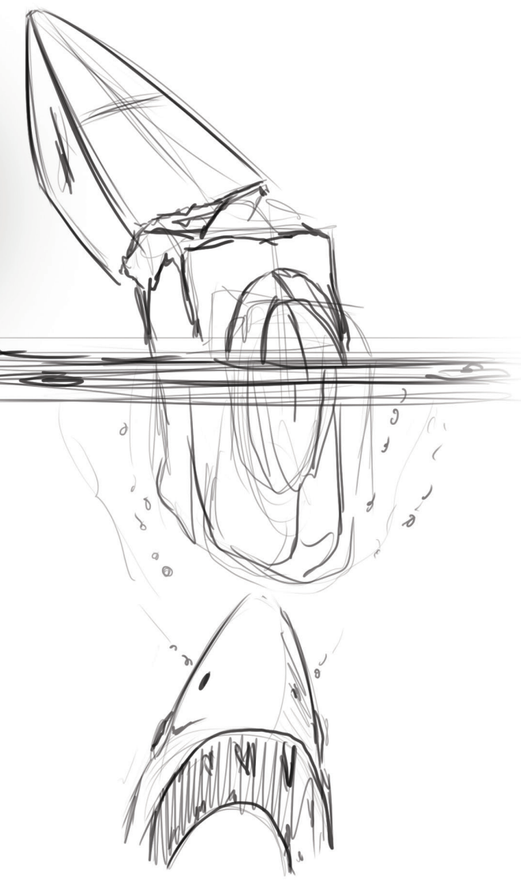
IDEATION

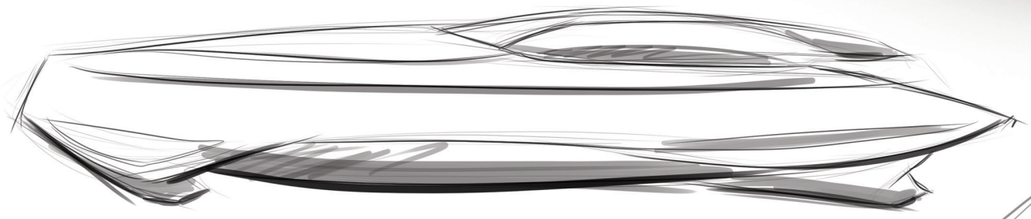


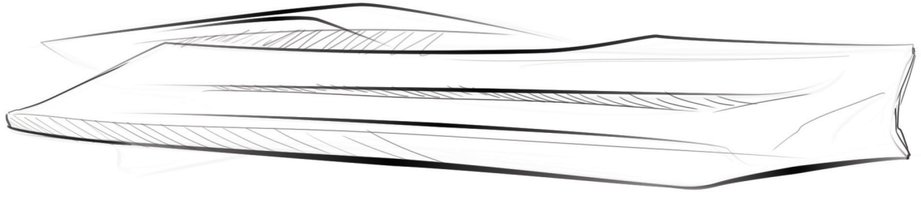


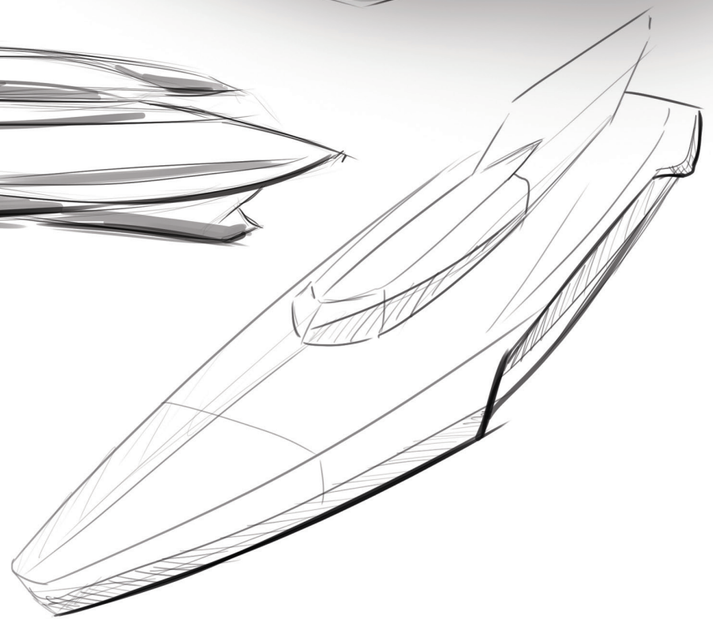












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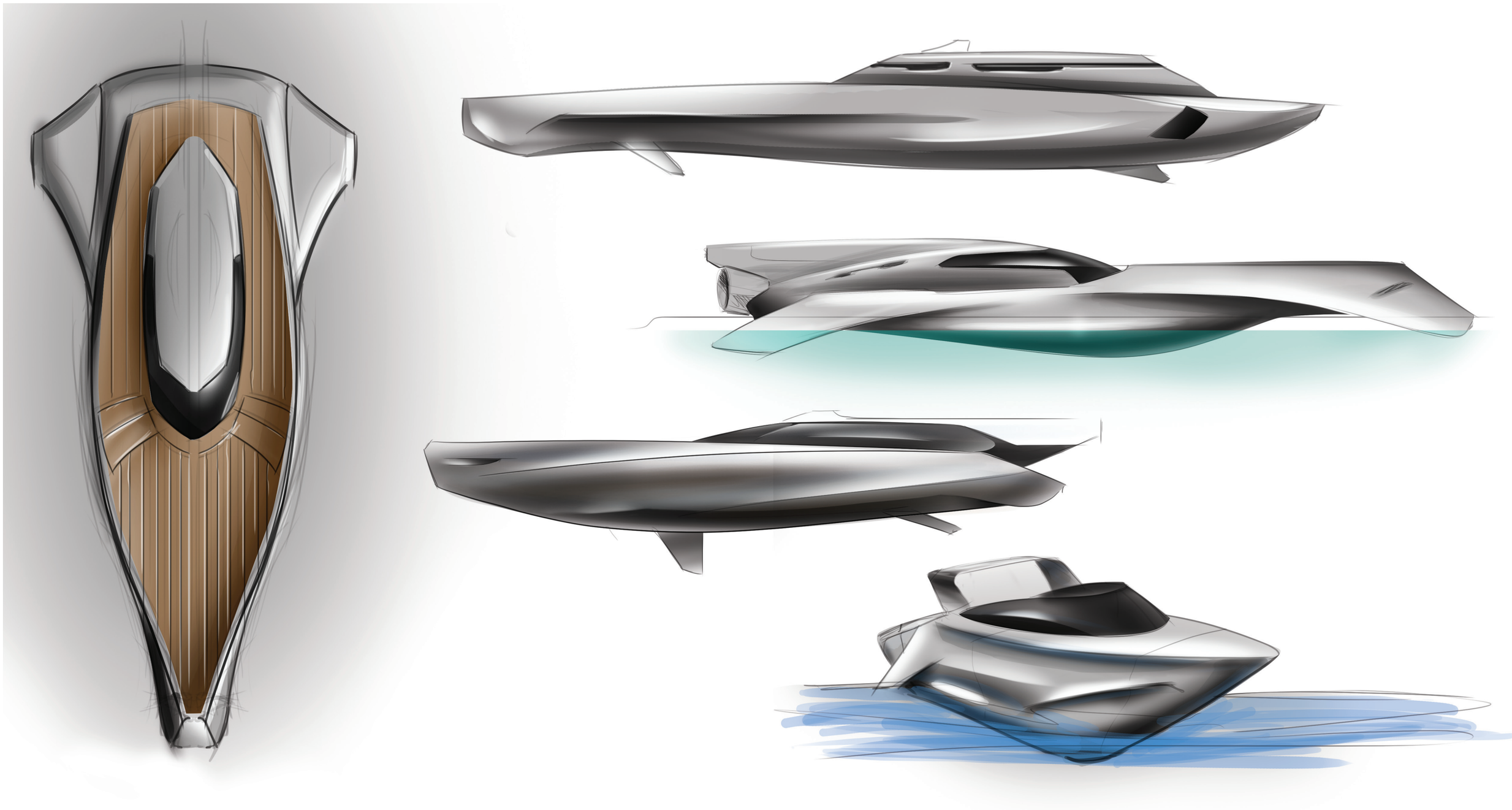

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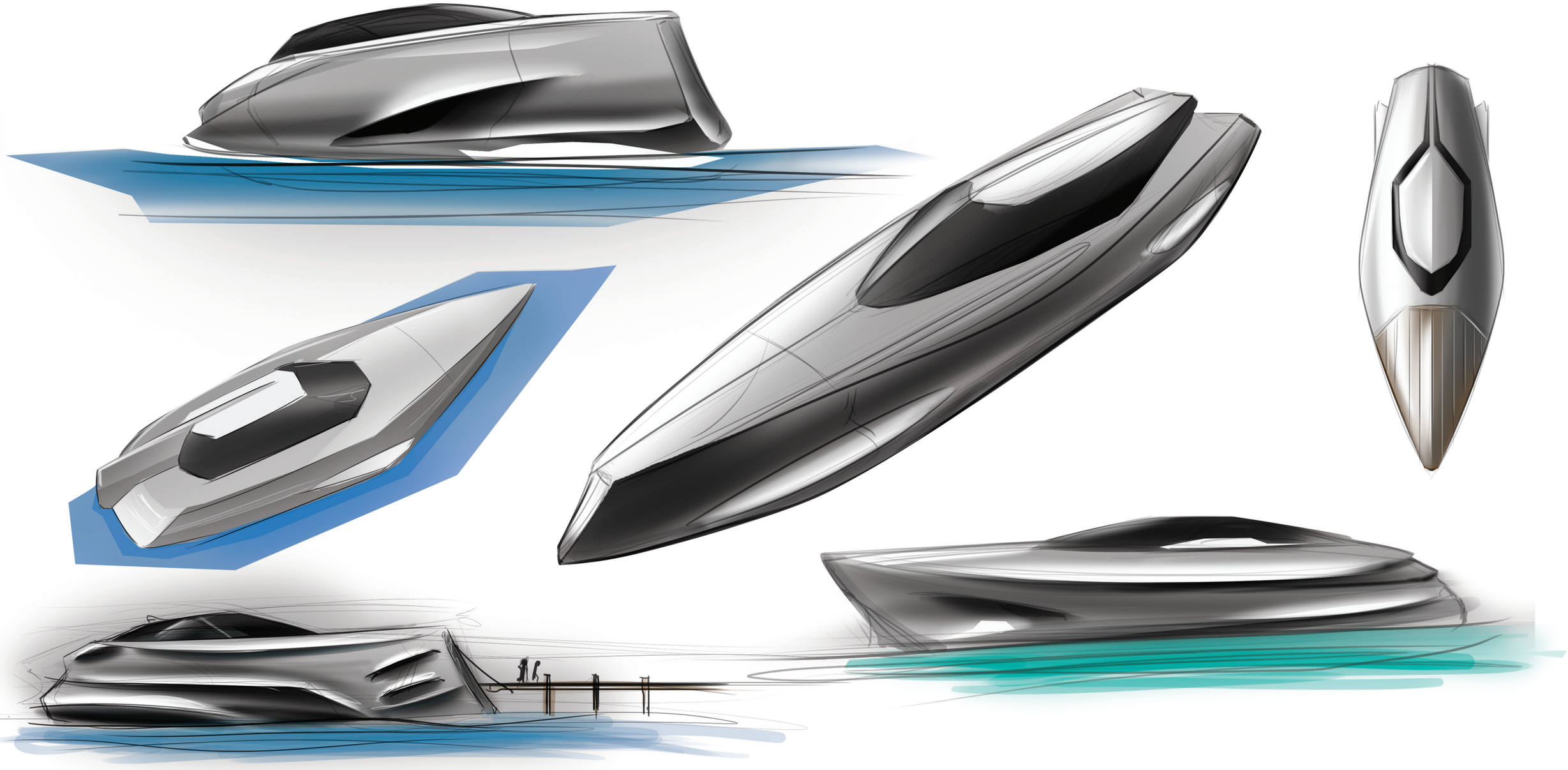

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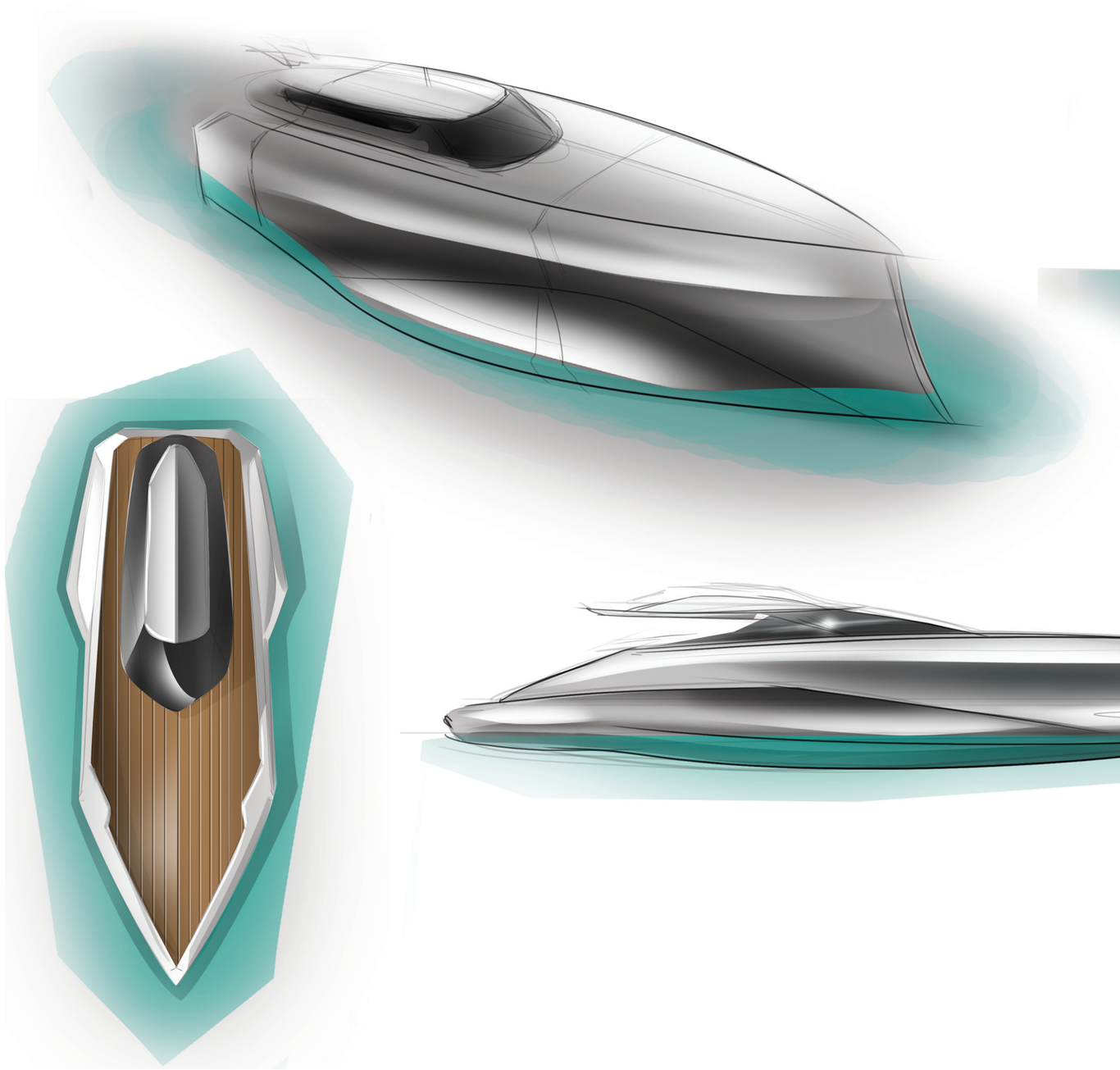

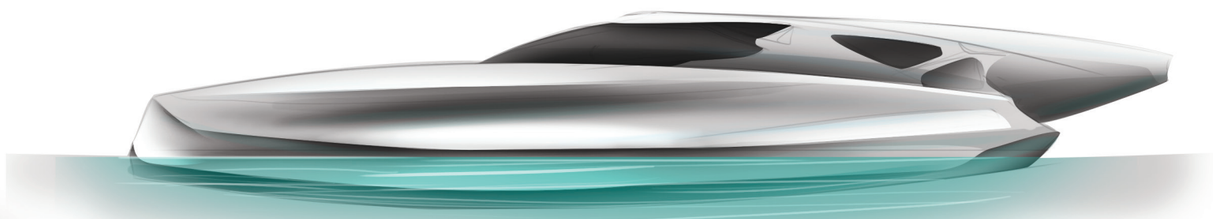



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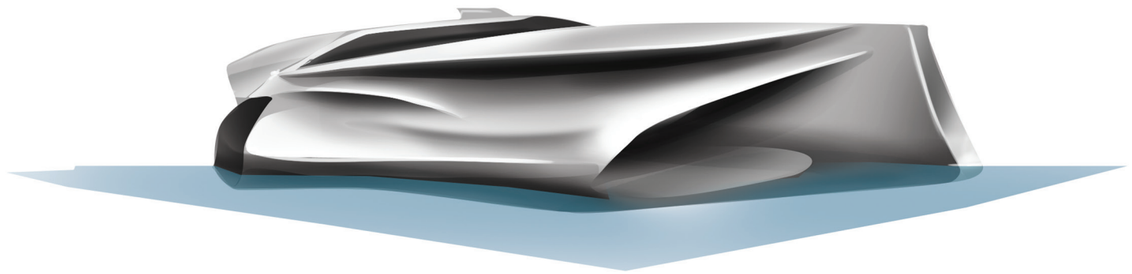

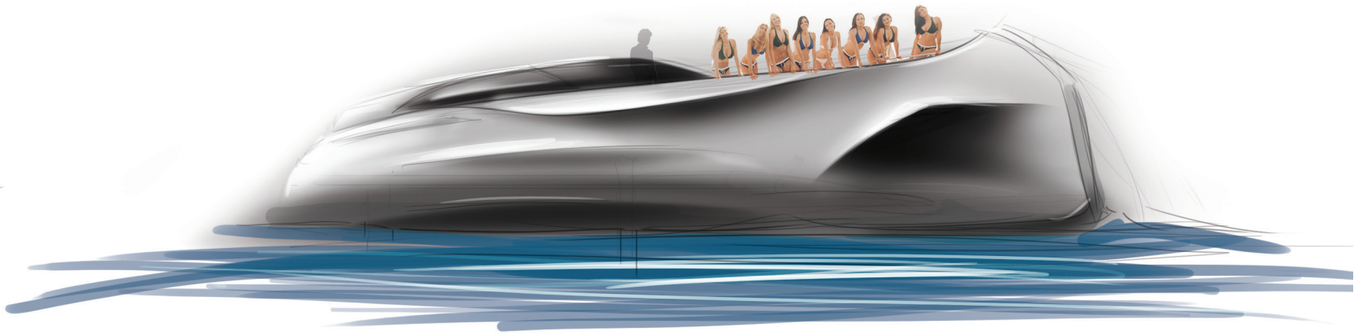

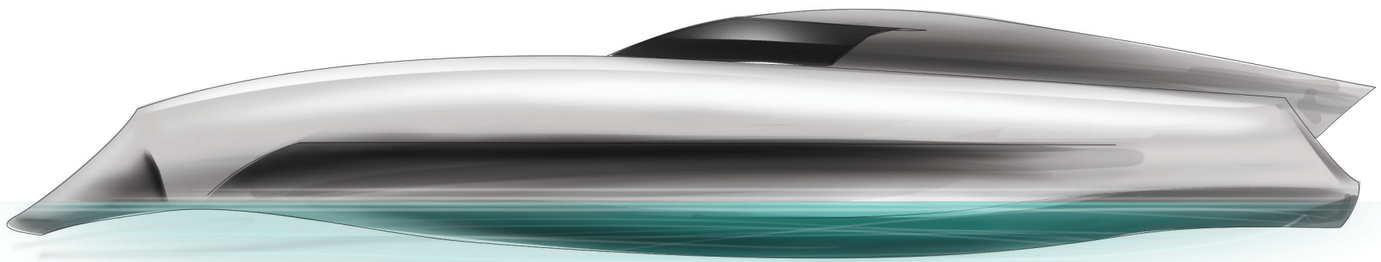

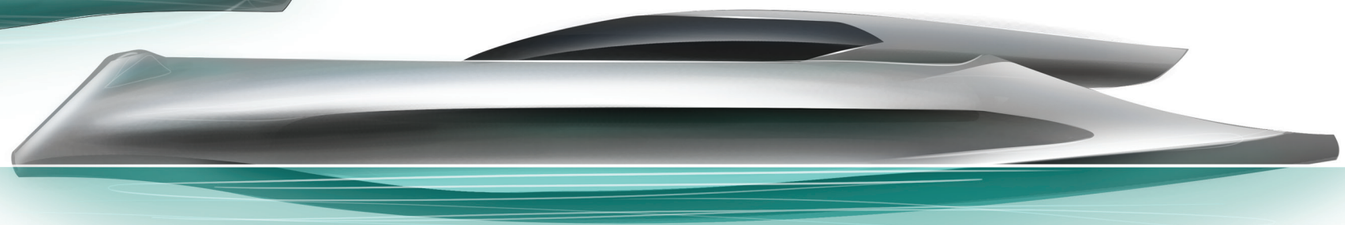

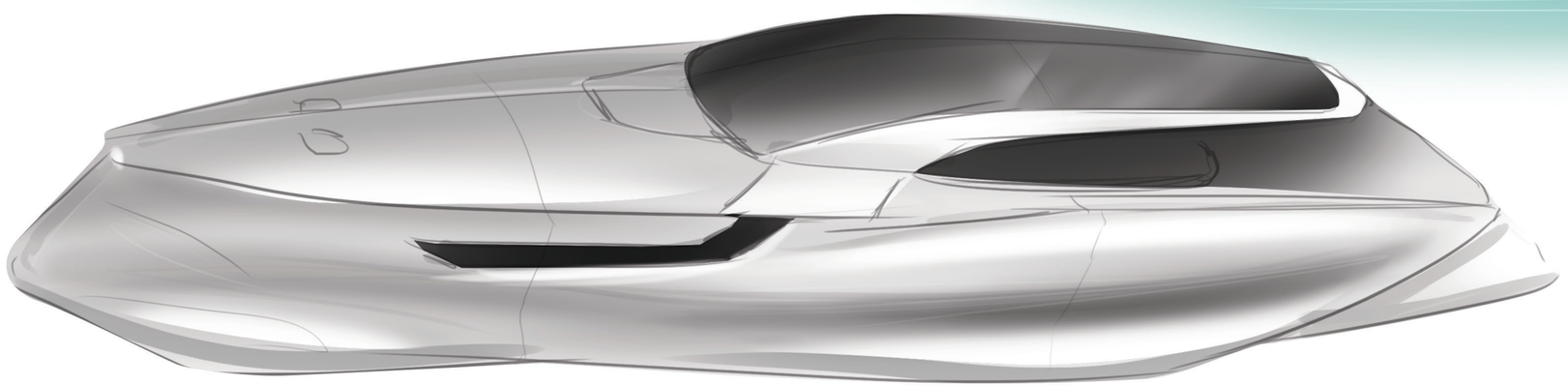

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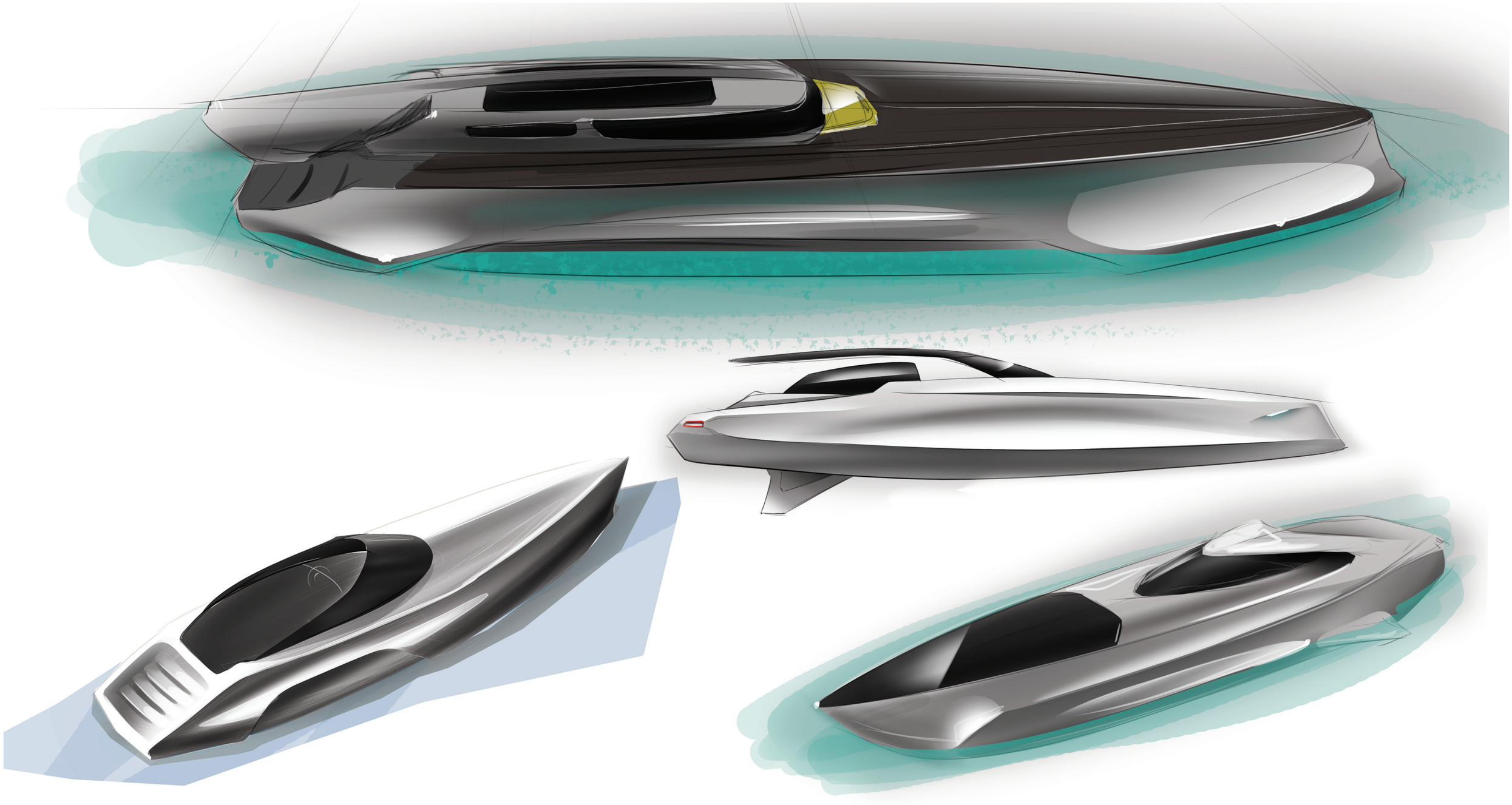

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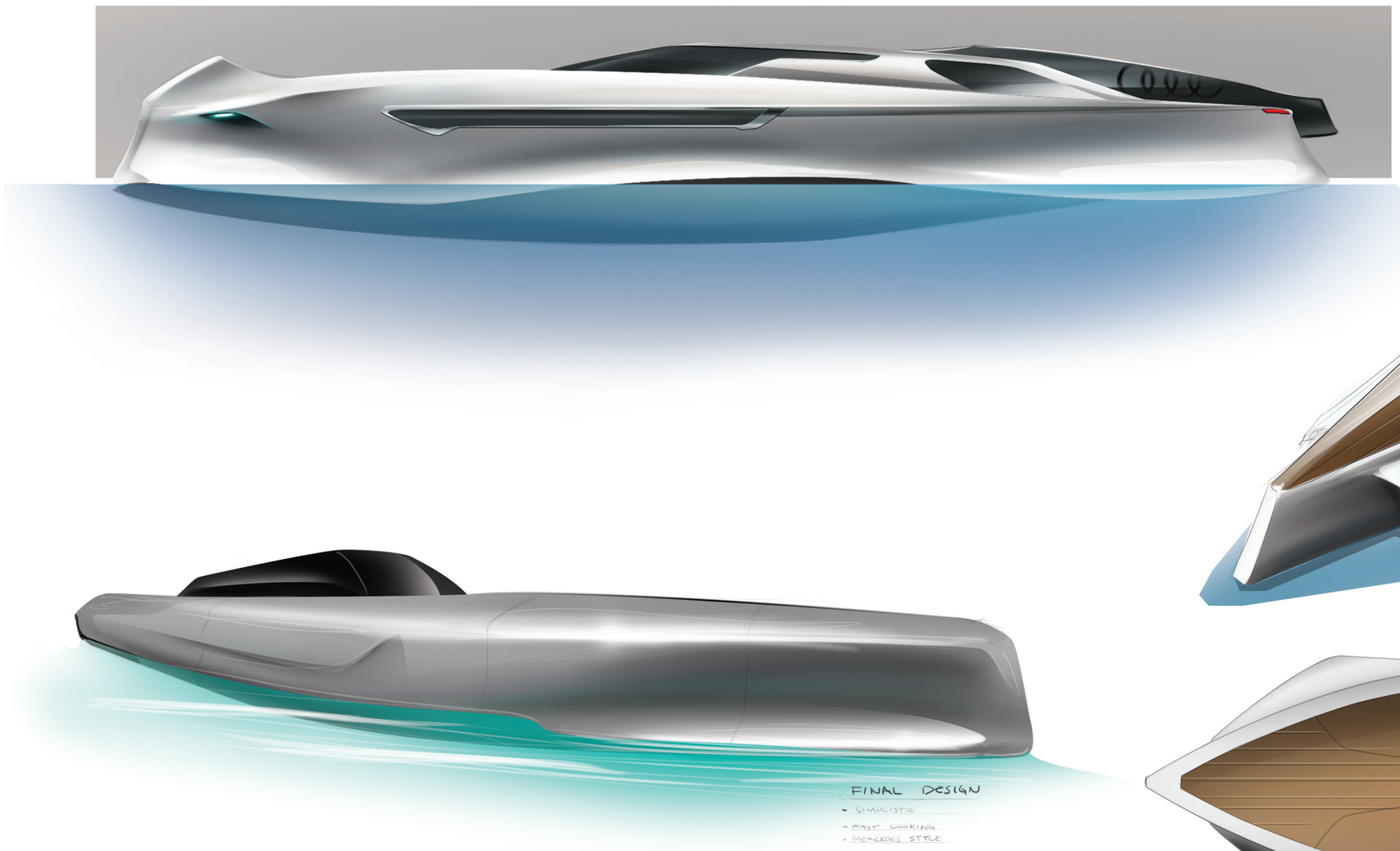
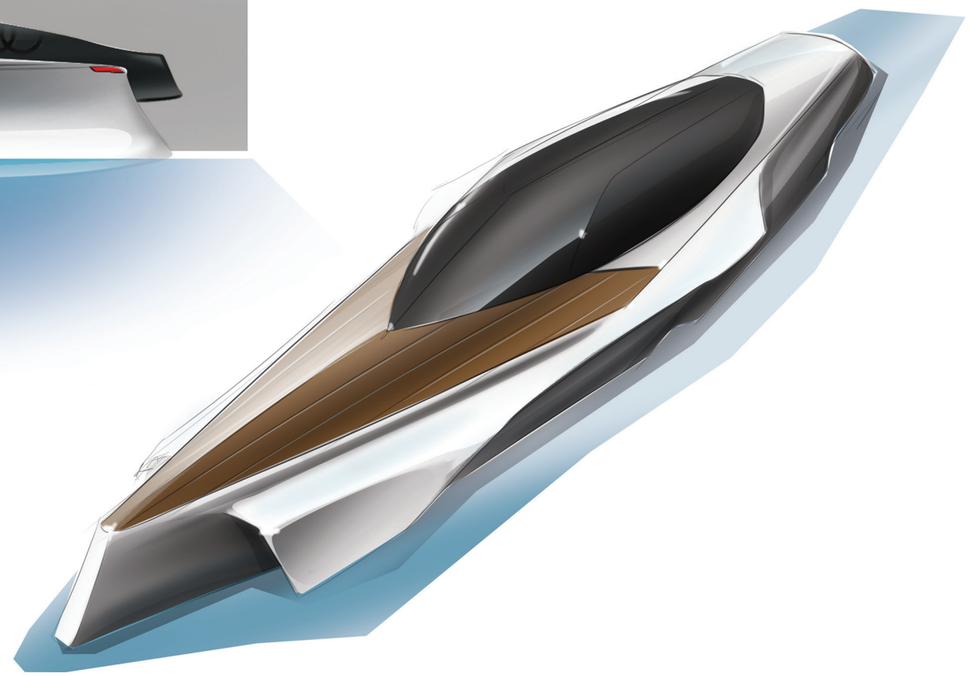
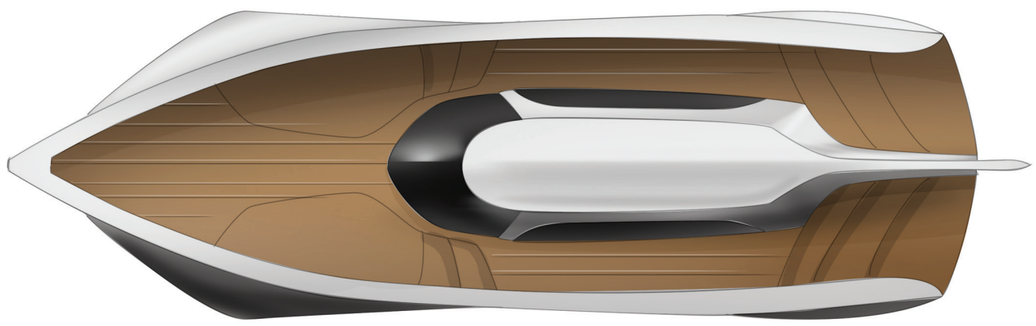
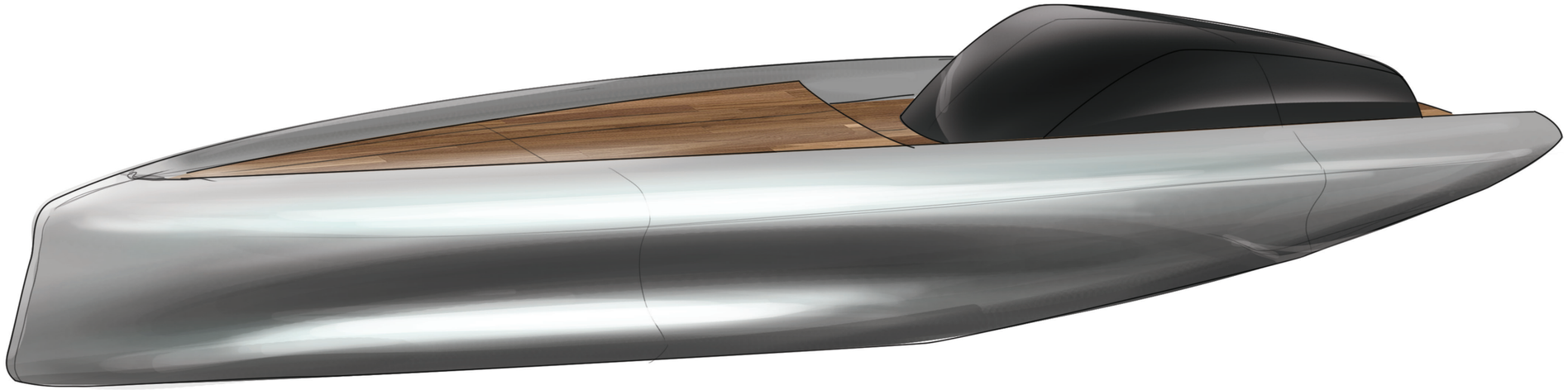


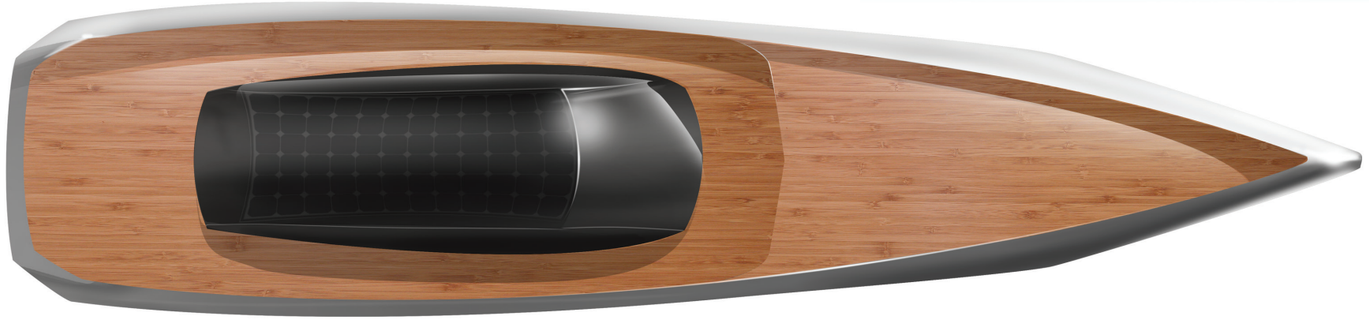




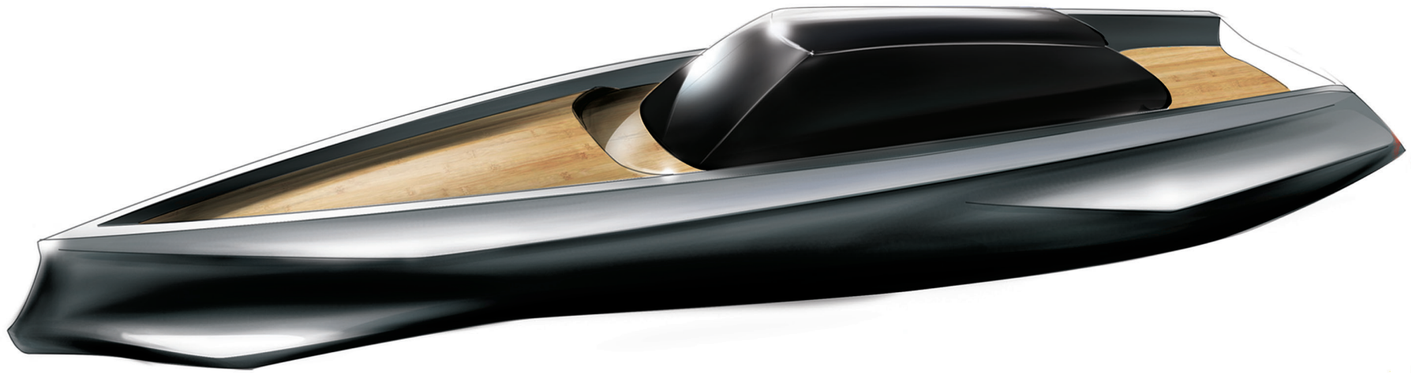
FINAL DESIGN







COLOR STUDIES







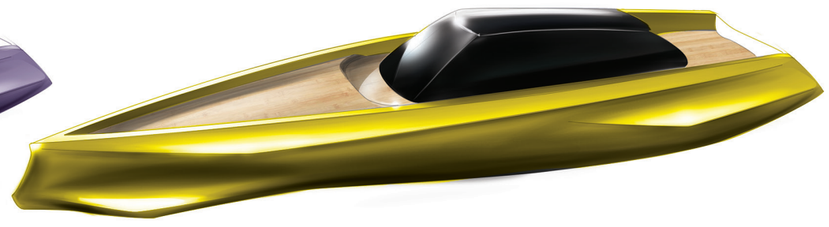












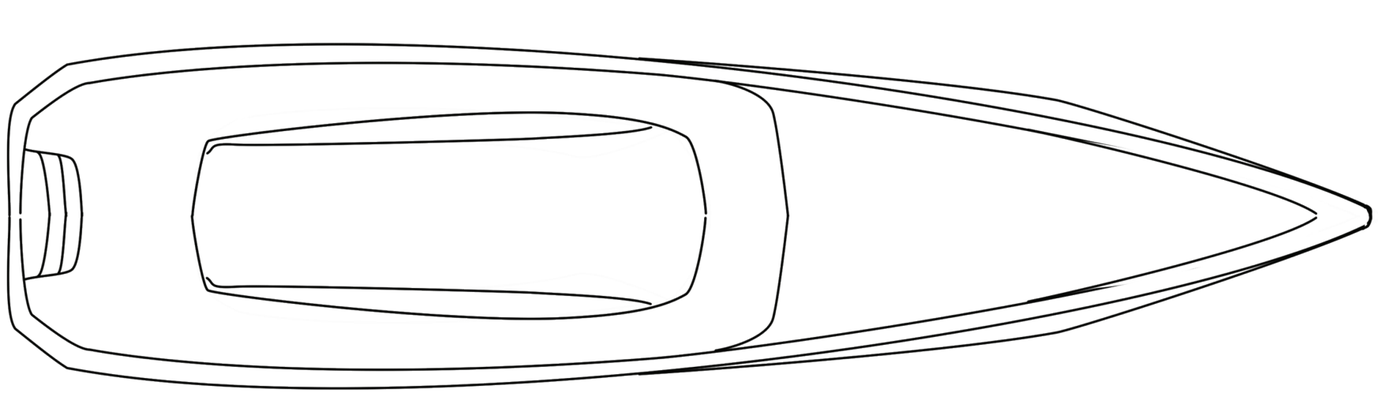


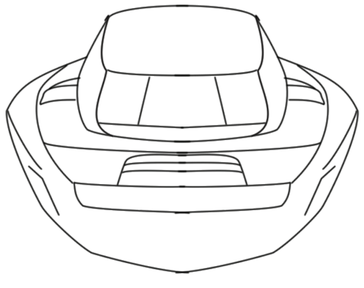
ORTHOGRAPHICS

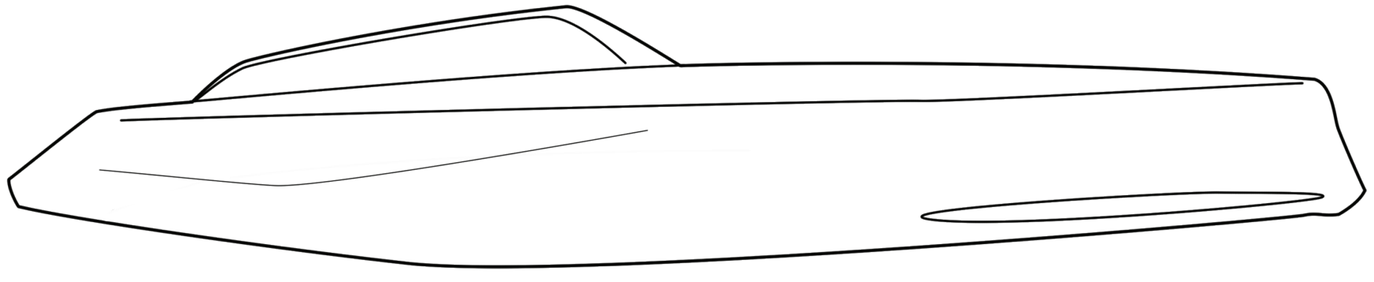
ORIGEN ORTHOGRAPHICS

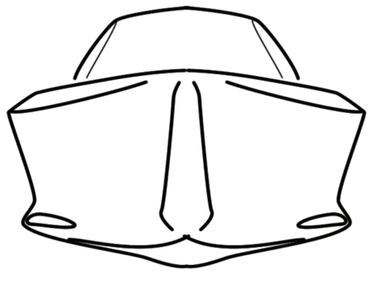
DIMENSIONS:

Overall Length: 118’
Waterline Lenght: 100’
Beam: 29’6”
Draught: 4’3”
Passenger volume: 44 cu ft
Displacement: estimated of 90 tons









FINAL DESIGN



COMBATTENTE TRANSPORTATION

BORN TO RULE

OBJECTIVE

COMBATTENTE SINGLE SEATER SPORTS CAR

To design a street legal single-seater track car.



INSPIRATION

PERFORMANCE

FORMULA 1 ABOUT

Formula One is the highest class of single-seat auto racing that is sanctioned by the Fédération Internationale de l'Automobile (FIA).

The FIA Formula One World Championship has been the premier form of racing since the inaugural season in 1950, although other Formula One races were regularly held until 1983.

Formula One cars are the fastest road course racing cars in the world, owing to very high cornering speeds achieved through the generation of large amounts of aerodynamic downforce.





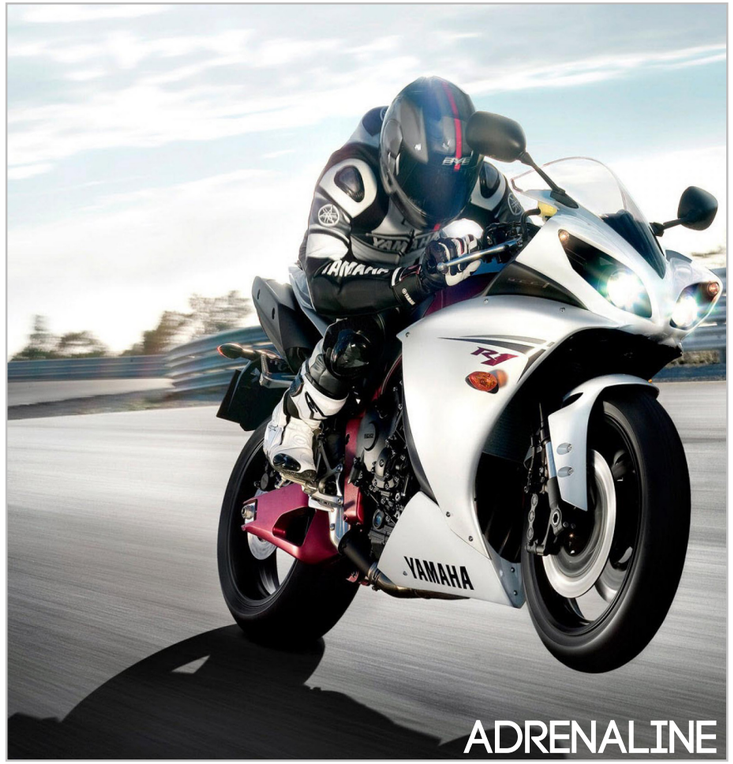

BAC MONO ABOUT

It's the world's only single-seater road car: a no-roof, no-windscreen, trackday special from Cheshire-based Briggs Automotive Company.

Fast, Exclusive & Beautiful!







"If you can dream it, you can do it." -Enzo Ferrari

DEMOGRAPHIC



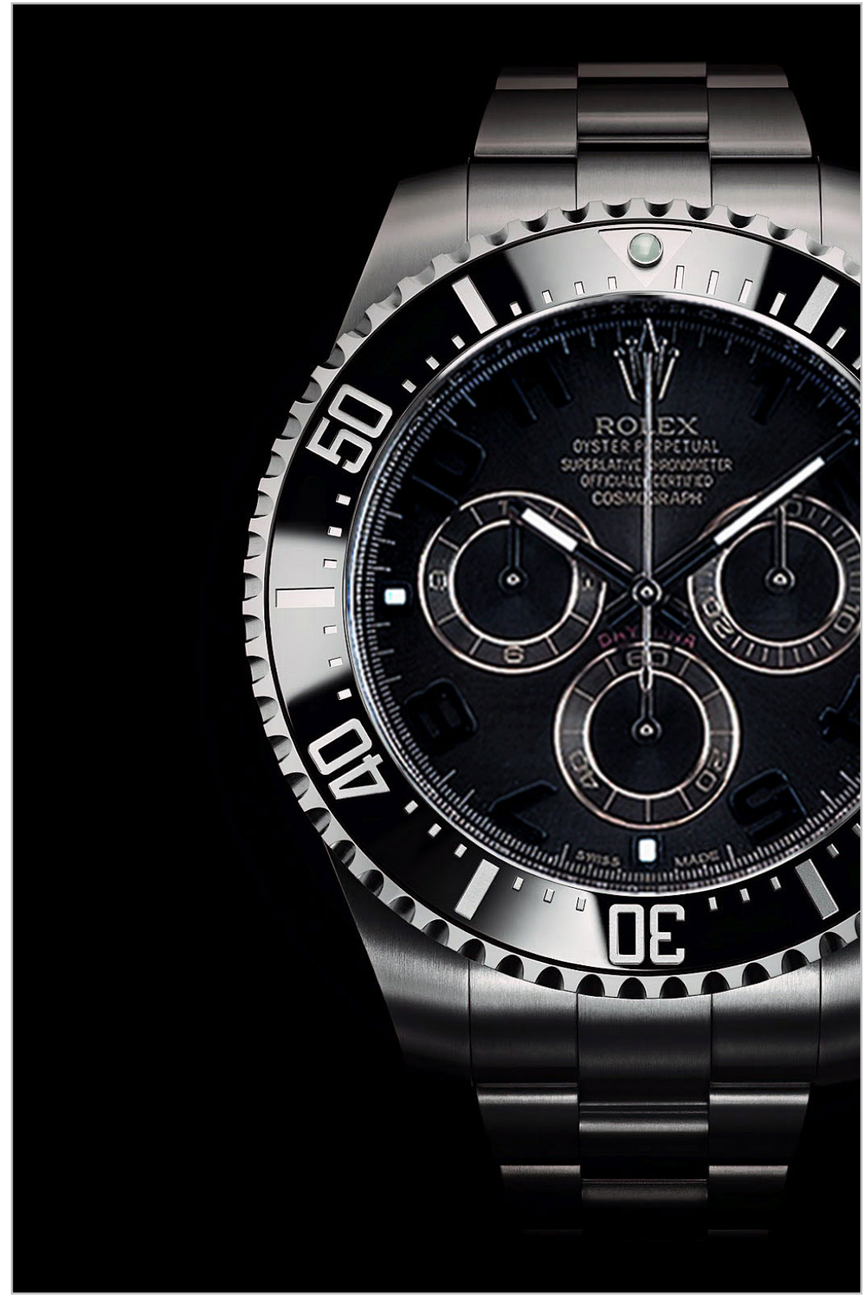
Professional race car driver



Enjoys speed.



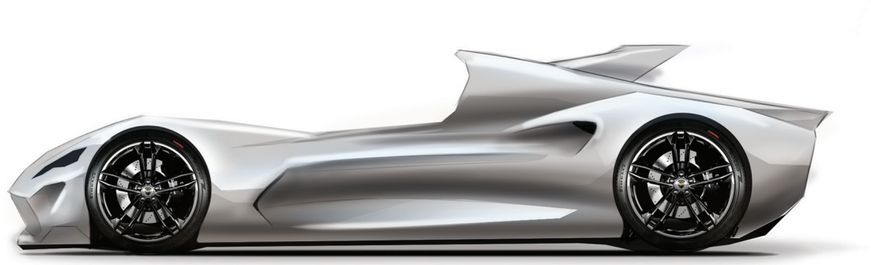
Car enthusiast.

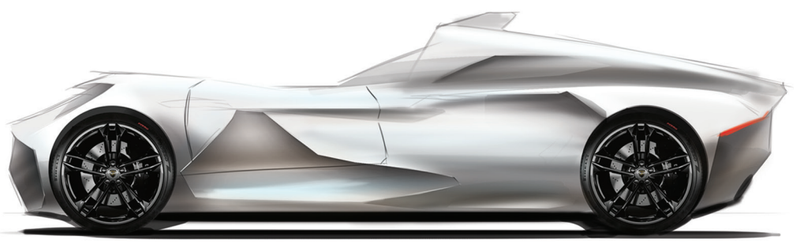


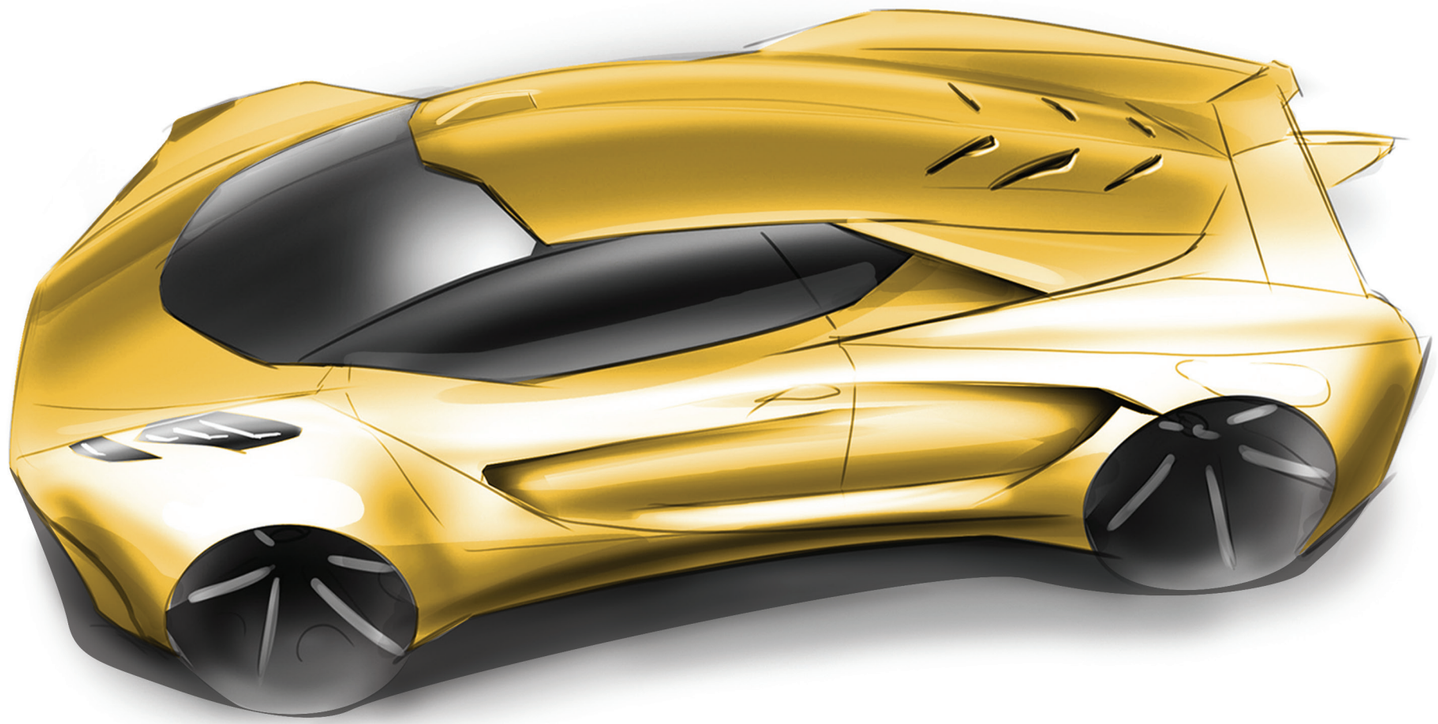
Luxury.

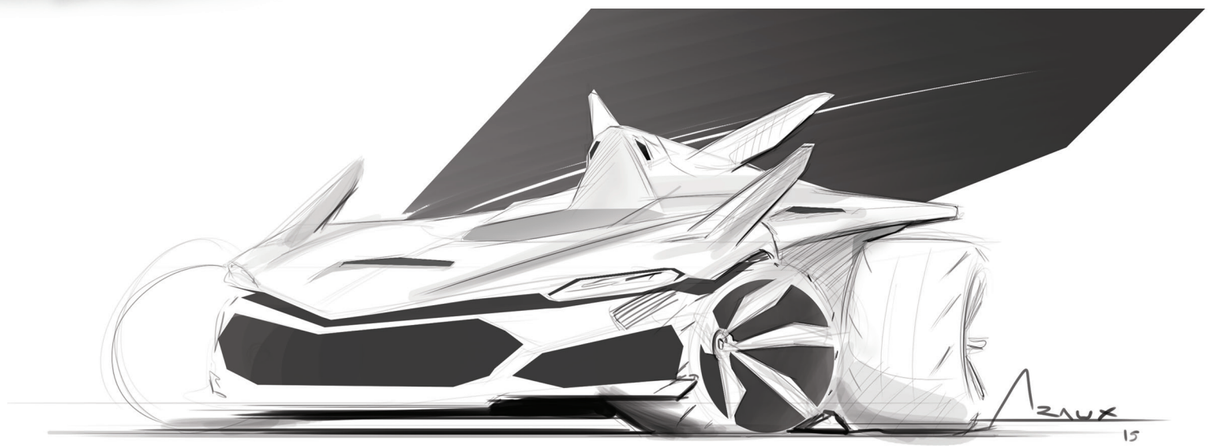
IDEATION











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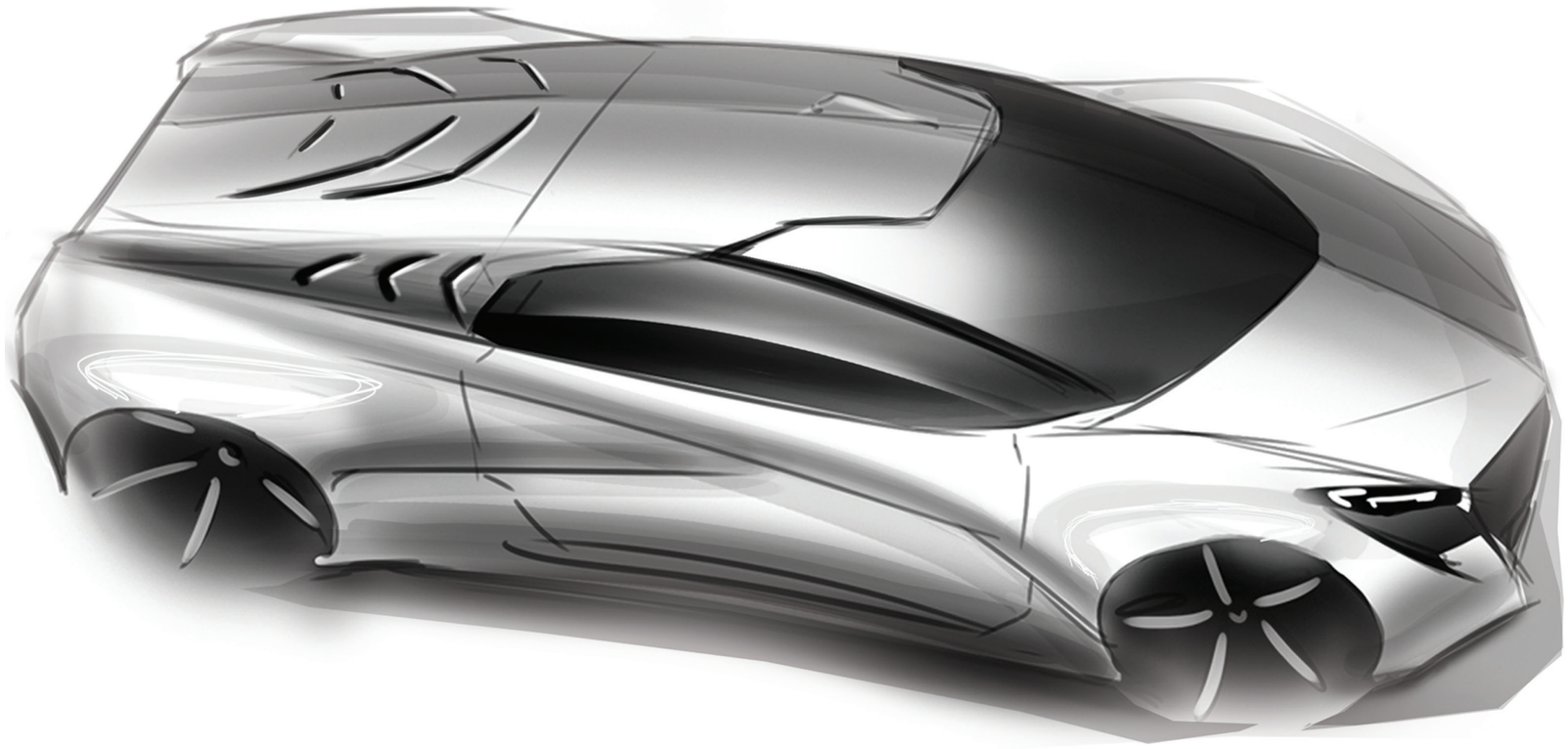

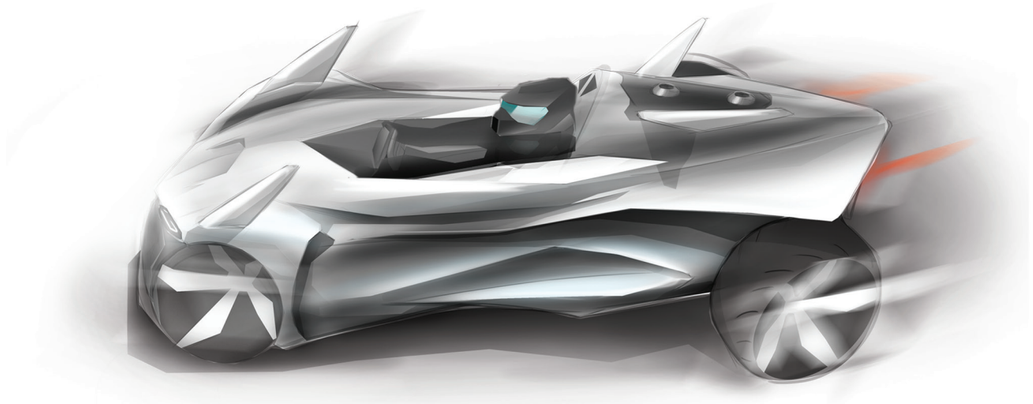

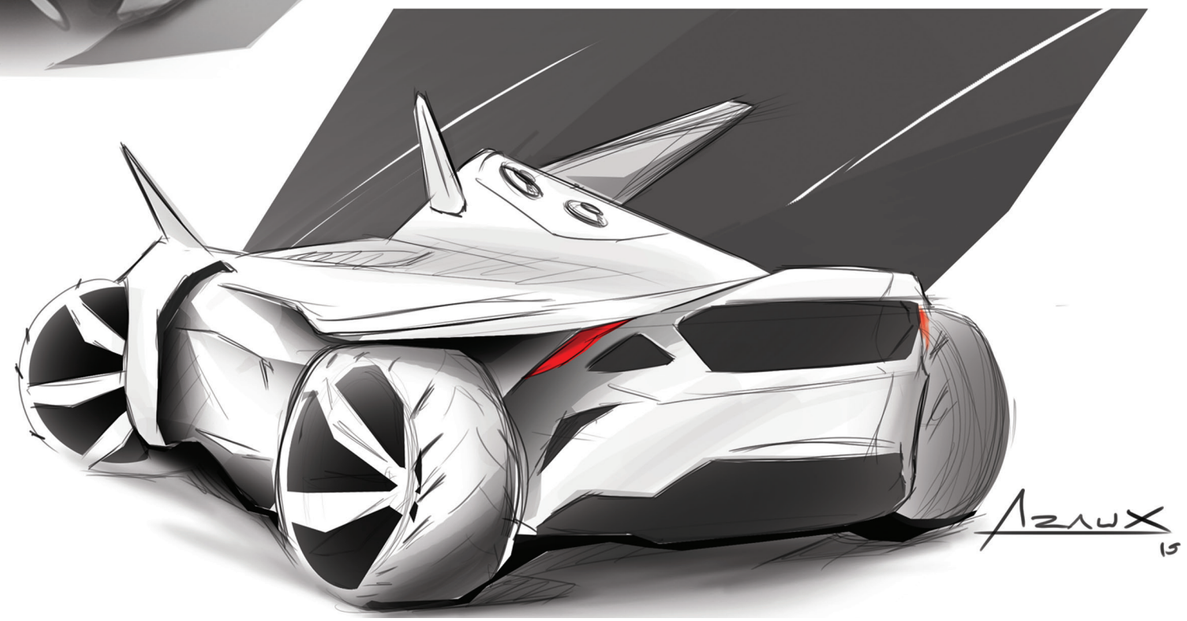

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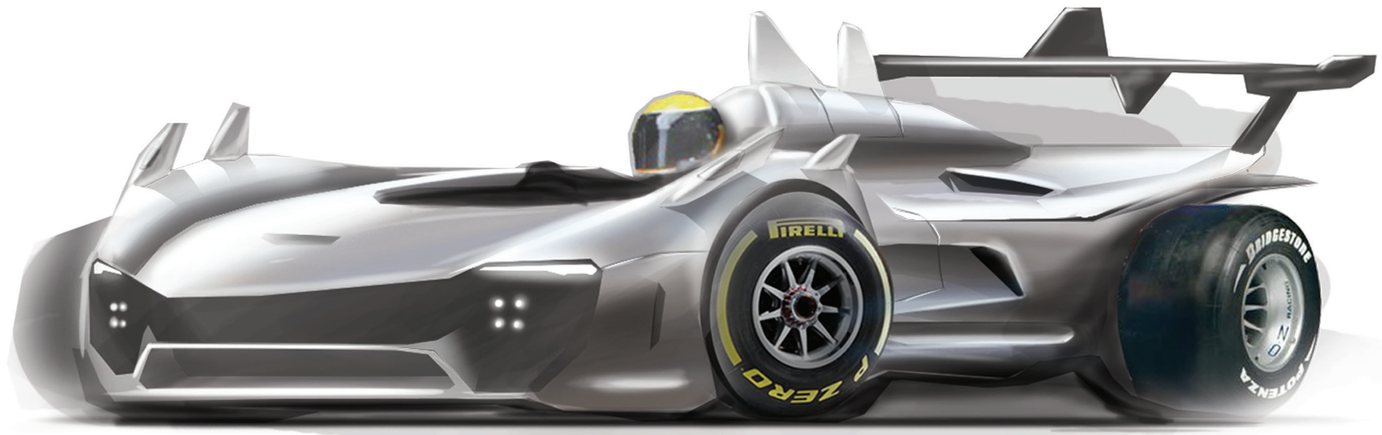

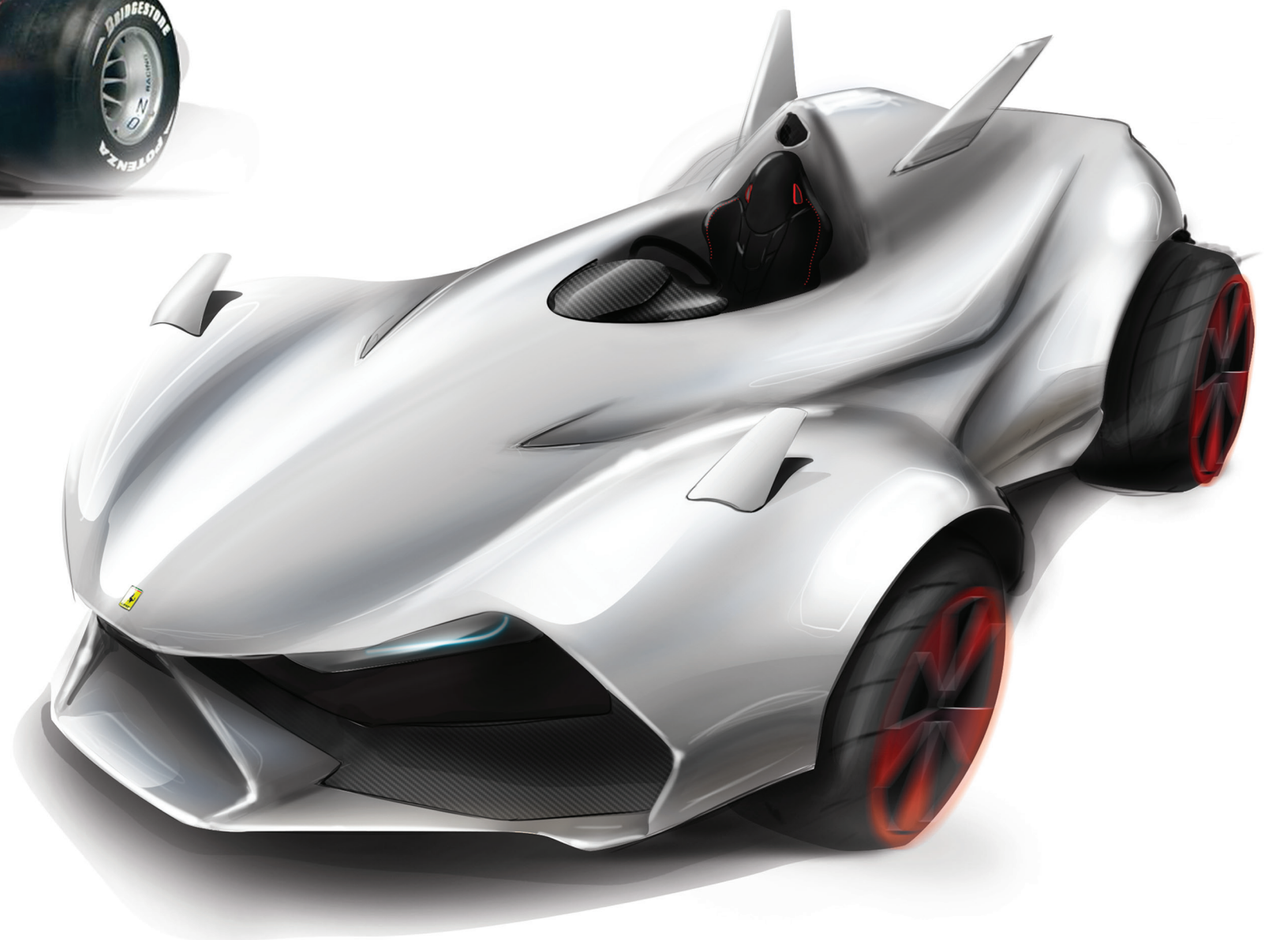



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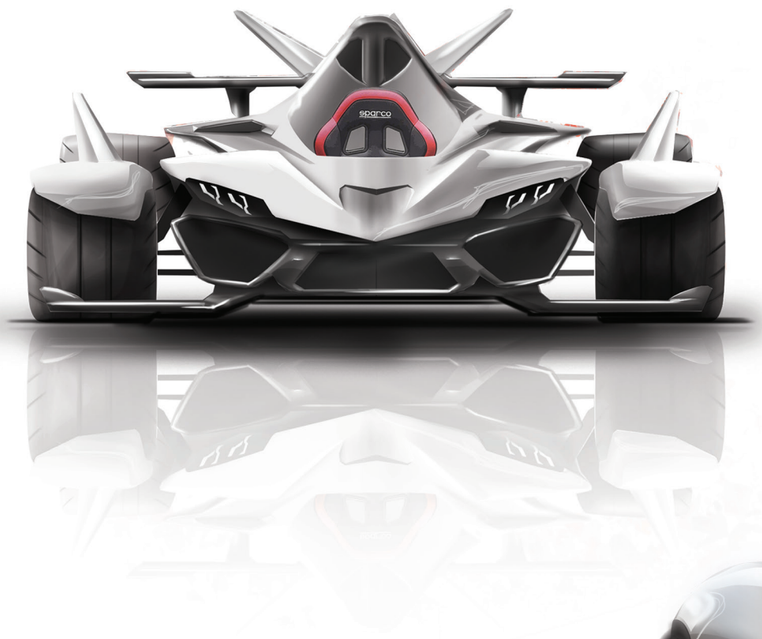
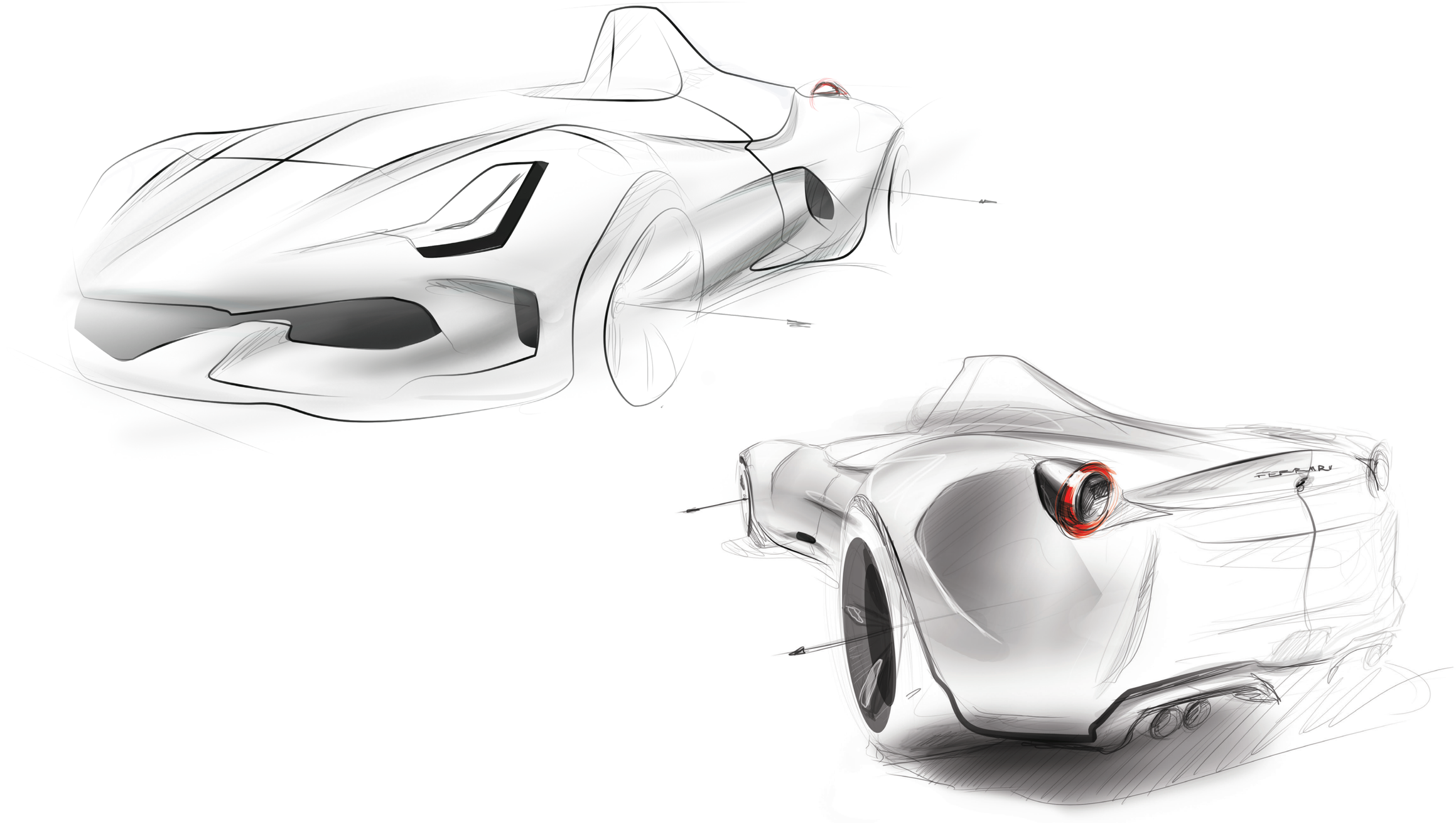




FINAL DESIGN



FINAL DESIGN

