# The PandaModium Car

# BMW 2002 Restomod

The open-ness of this brief meant that I cycled through a couple of ideas before ending up at this one. The somewhat obvious choice for transport in a pandemic would be a single seater pod. The idea of this being an alternative risk-free way to travel to the likes of conventional public transport. While this would have worked and been very different, it did not seem different enough.

The idea of doing the complete opposite then sprung to mind – the rebel's car. While this would be fun it only reminded me of the people who have rebelled through this pandemic in various ways and the frustration it causes. As a result, I came to a sort of middle ground which starts with the BMW 2002.

I should first set the scene:

Without a specific year in mind, the world we are living in has turned to desert as the current millennials ended up doing nothing about the current issues with climate change. Air quality is dire, and all fossil fuel sources have been exhausted. There are limited daylight hours due to the sand being kicked up in the atmosphere by increased winds. The people will have adapted but it also means that their cars will have needed to adapt too.

As a result, I wanted to produce a car that was not only clean for the environment but was also suited to these extreme conditions. I have therefore set out several key points that my vehicle needs to adhere to:

- Environmentally friendly in construction and running methods
- Good off-road ability – especially on sand
- Relatively easy to maintain/work on
- Be suitably adapted for life in a pandemic

To start off my pursuit for being environmentally friendly, I decided that I did not want to be producing a new body shell. I picture old cars being left to rot in barns when the fuel eventually runs out, hence there will be plenty to pick from. This is where the idea to use a BMW 2002 came from. I could take its body panels and morph them onto a purpose-built off-road chassis. It would therefore be important to keep the original vehicle recognisable while bringing its design into the future. Using an older car also inspired my drivetrain options too. Electric seemed like the obvious option but is not completely environmentally friendly due to the construction and disposing of the batteries. To get round this, the existing engine could be reworked to use synthetic fuels, benefiting the environment as well as the visceral experience of driving the vehicle too.

A tubular chassis is the only option for a sand rail type vehicle. It provides optimum off-road performance as well as an aggressive look – such as oversized shock absorbers.

The largest overhaul would be on the inside. The interior could be stripped down and replaced with sustainable materials. To suit the climate, It would need to be fitted out with kit such as air ionising/purification system, self-cleansing upholstery as well as a self-contained virus testing station located behind the seats.

INTERIOR

→ AIR IONISING / PURIFYING

→ SELF CLEANSING UPHOLSTERY

→ SELF CONTAINED TESTING STATION IN PLACE OF REAR SEATS

→ TECH FILLED WITHIN CLASSIC LINES

ROOF RACK / TENT FOR ADDITIONAL STORAGE / LIVING SPACE

COACHBUILD INTO SHOOTING BRAKE

RETAIN 2002 PROPORTIONS / MAIN STYLING CUES

→ GRILLE IS ESSENTIAL

← REWORK HEADLIGHTS TO FIT NEW WHEEL ARCHES

EXTENDED REAR ARCHES

→ ENOUGH SPACE FOR SAND TYRES

CUSTOM BUILT TUBULAR CHASSIS

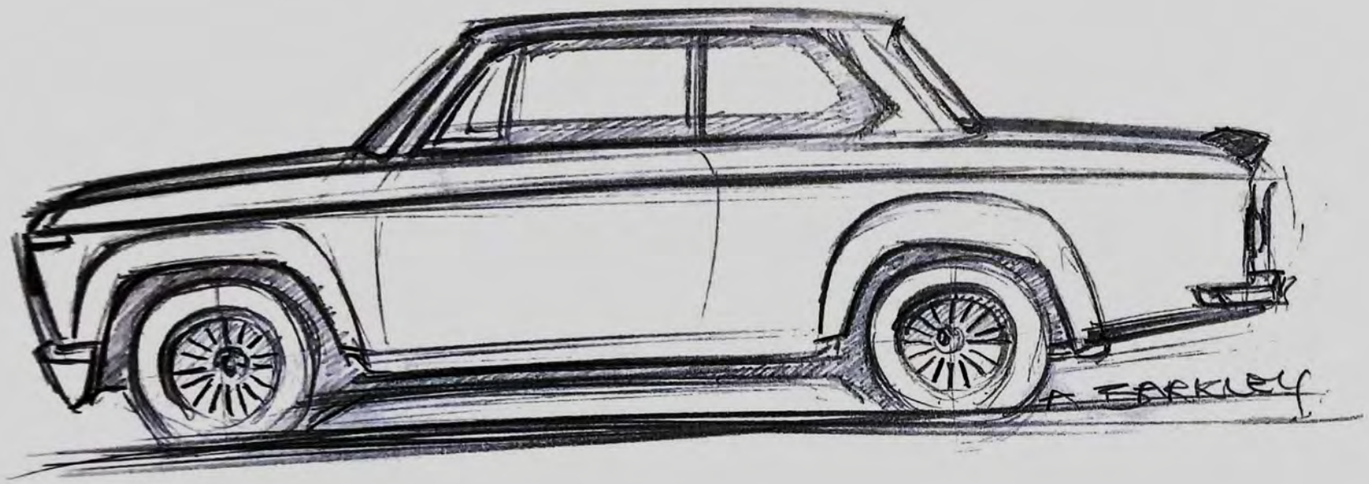
→ INDEPENDENT FRONT SUSPENSION

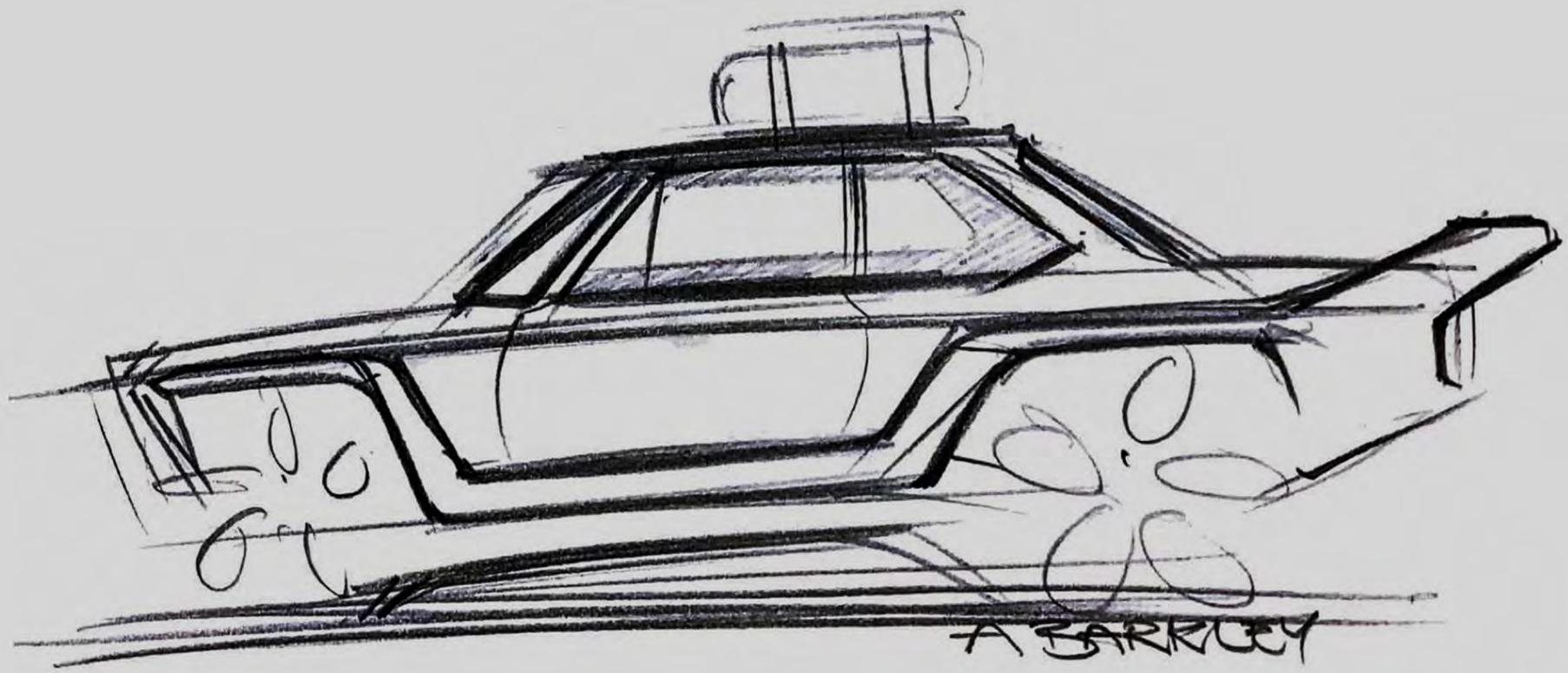
→ LIVE AXEL REAR WITH DUAL MOTOR DIRECTLY MOUNTED

CUT AWAY FRONT ARCHES TO FIT NEW WHEELS TYRES.

LIFT RIDE HEIGHT ON BIGGER WHEELS / SUSPENSION

PandaModium

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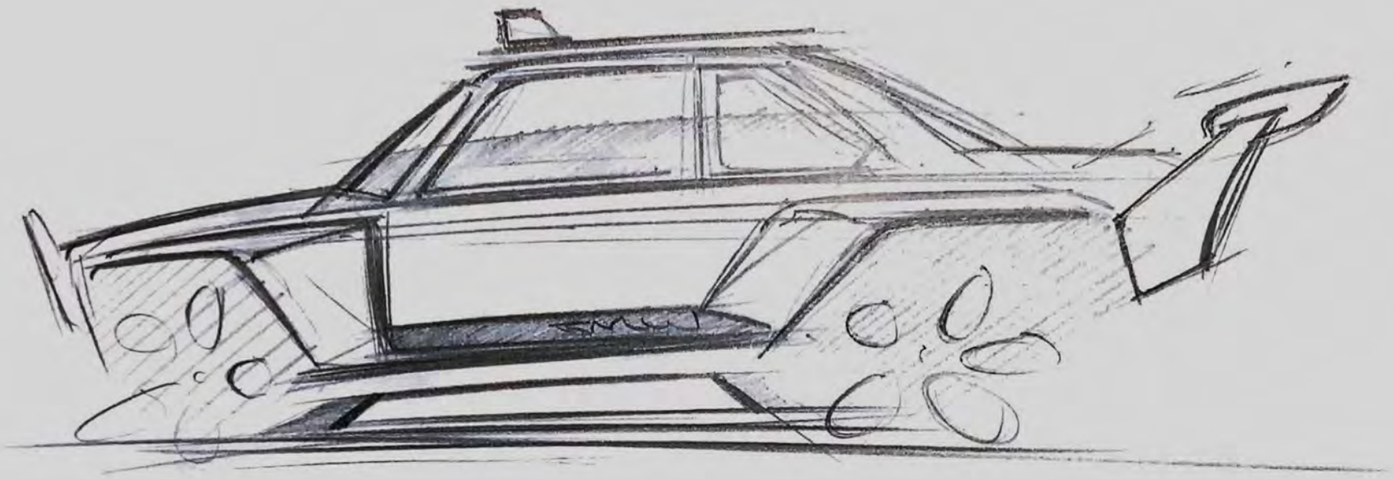

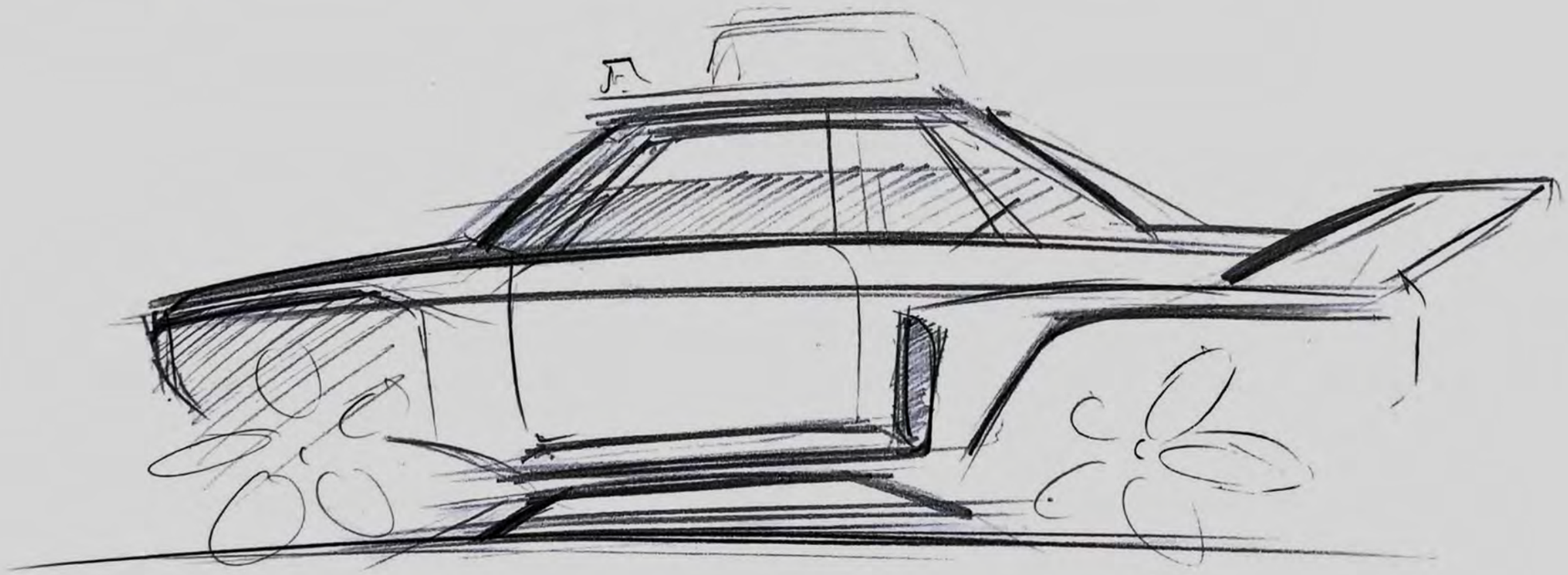

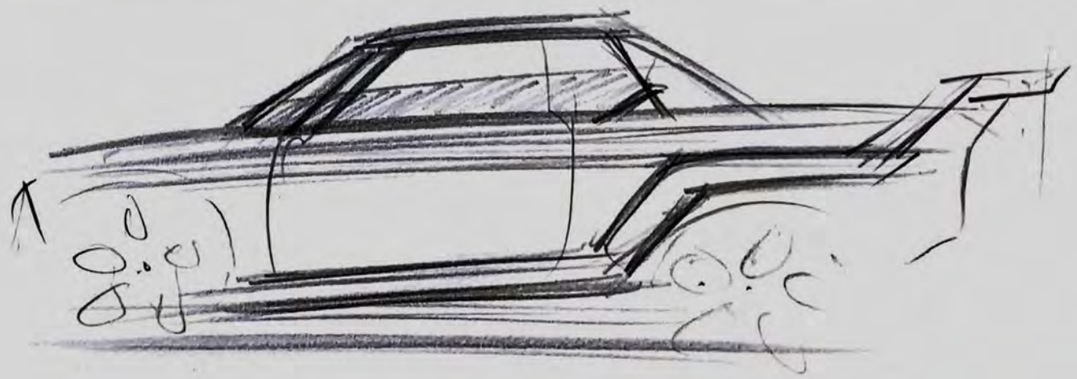

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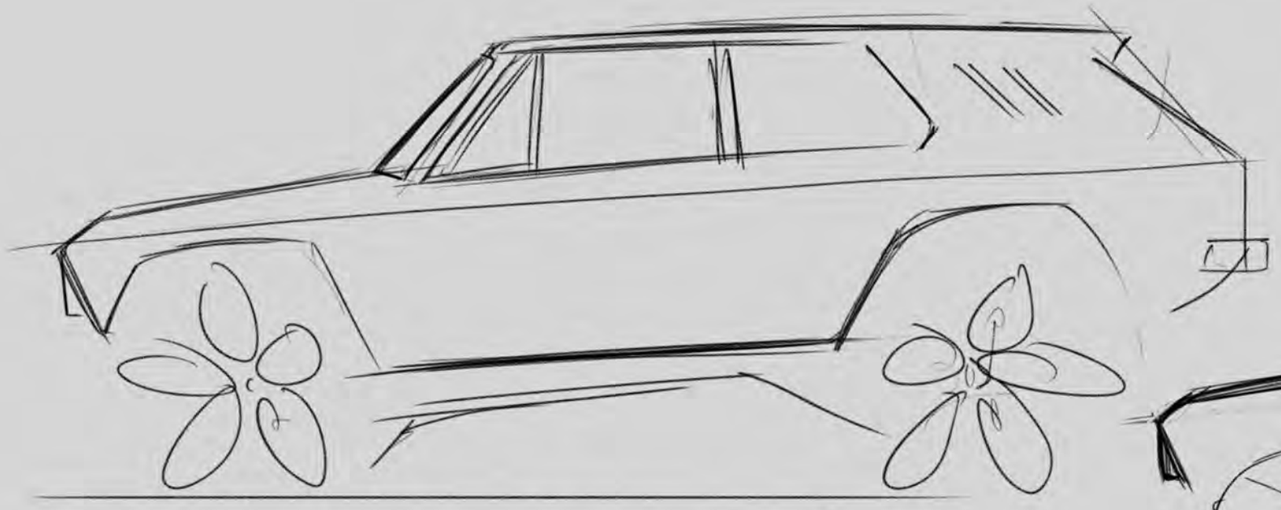

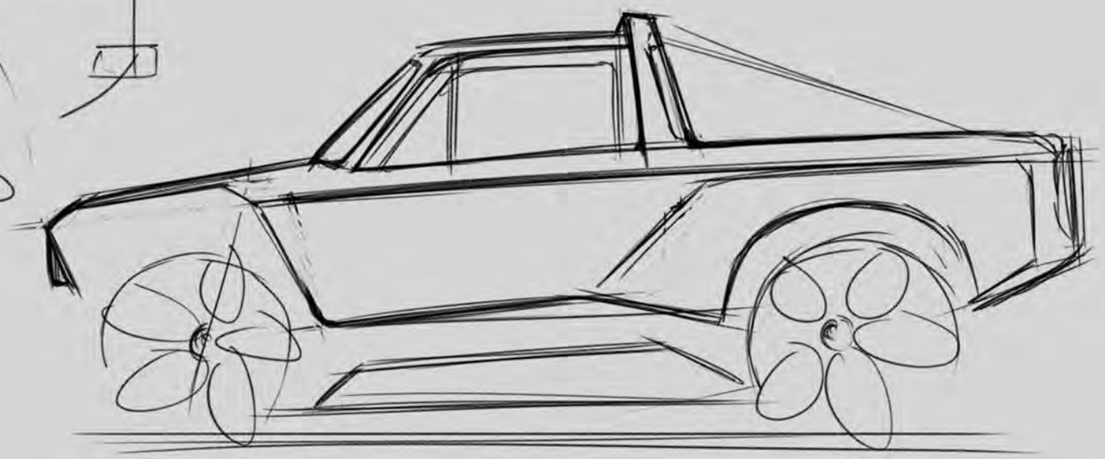

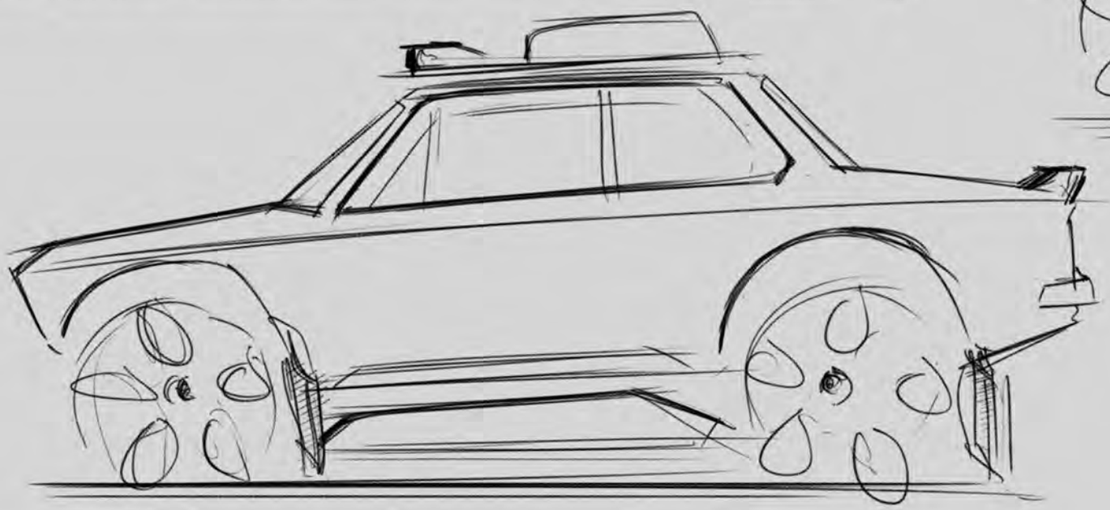

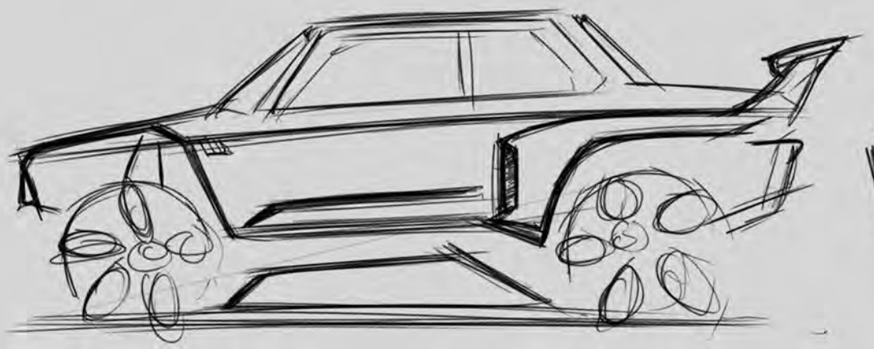

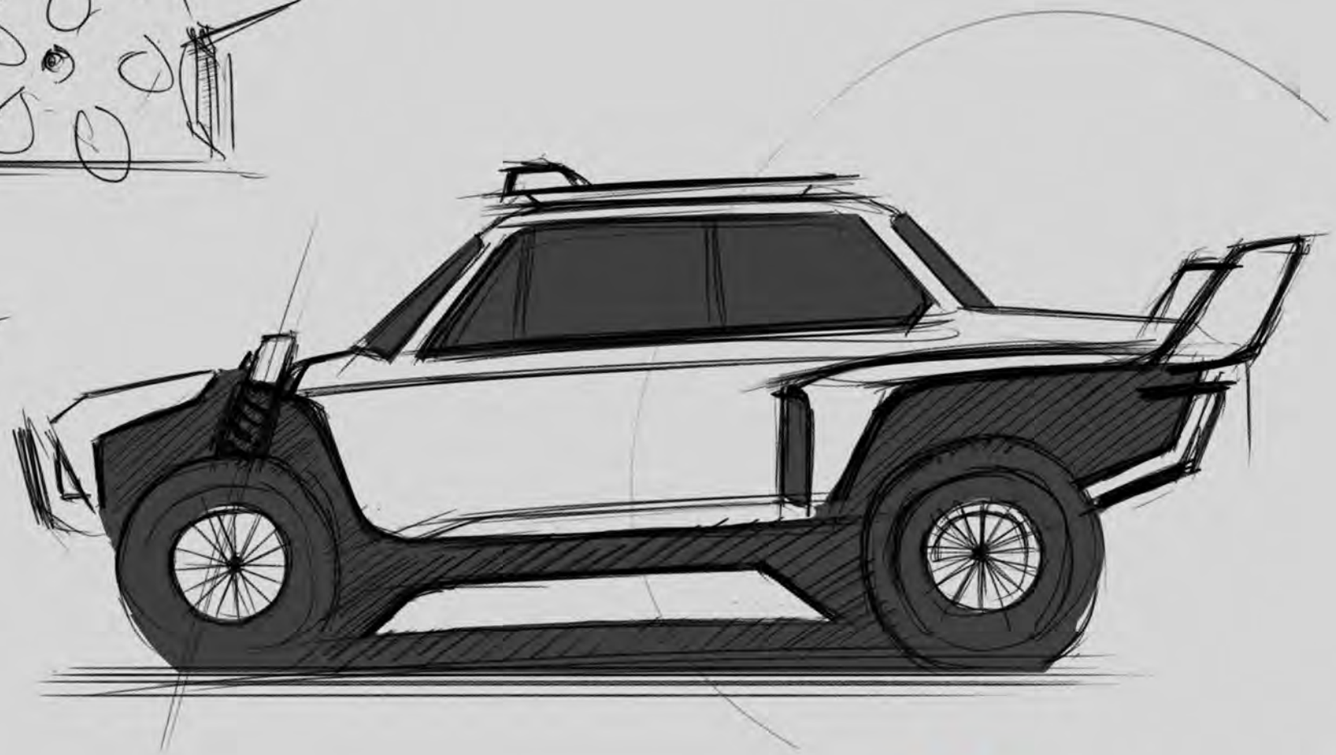

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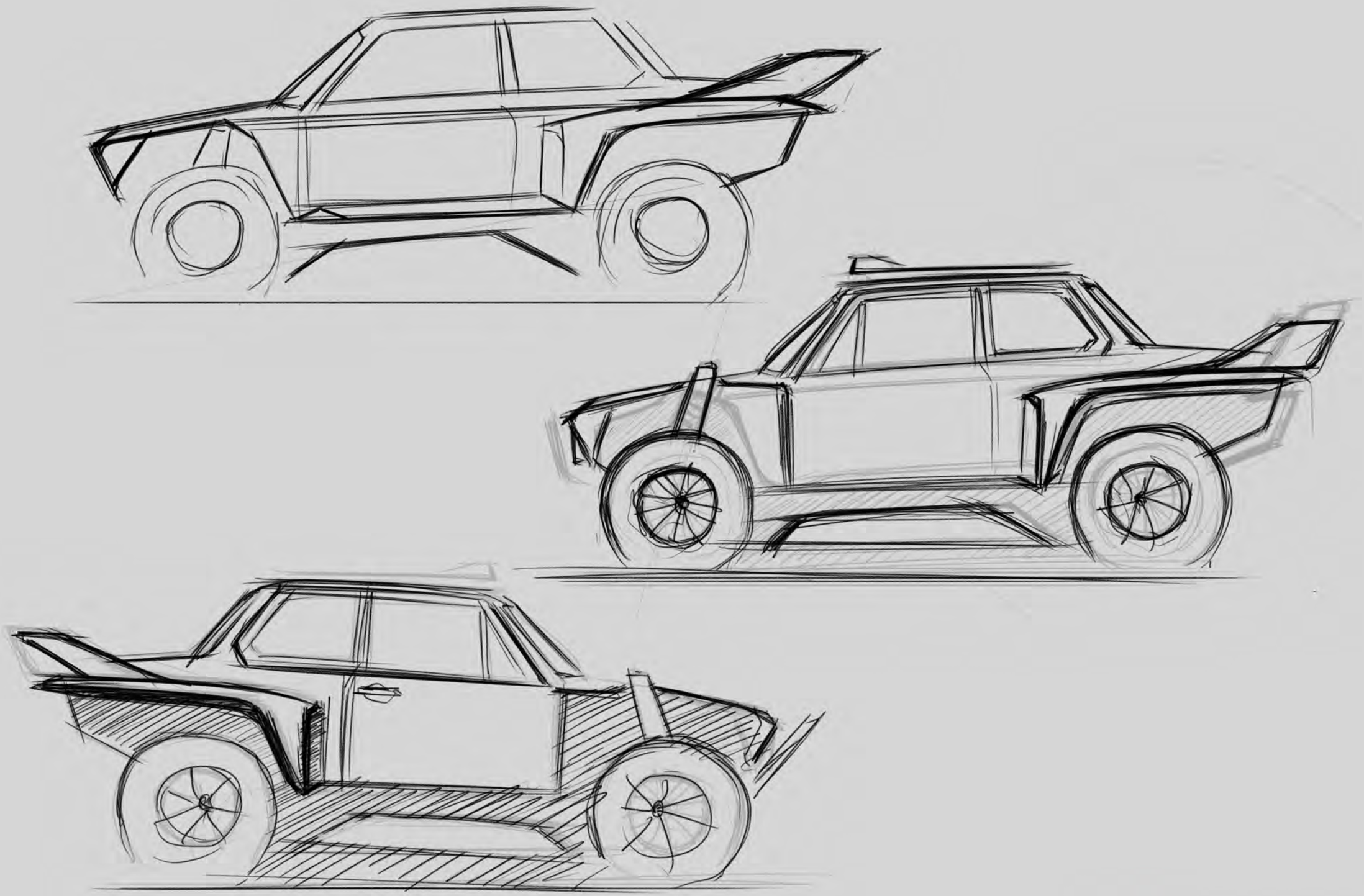

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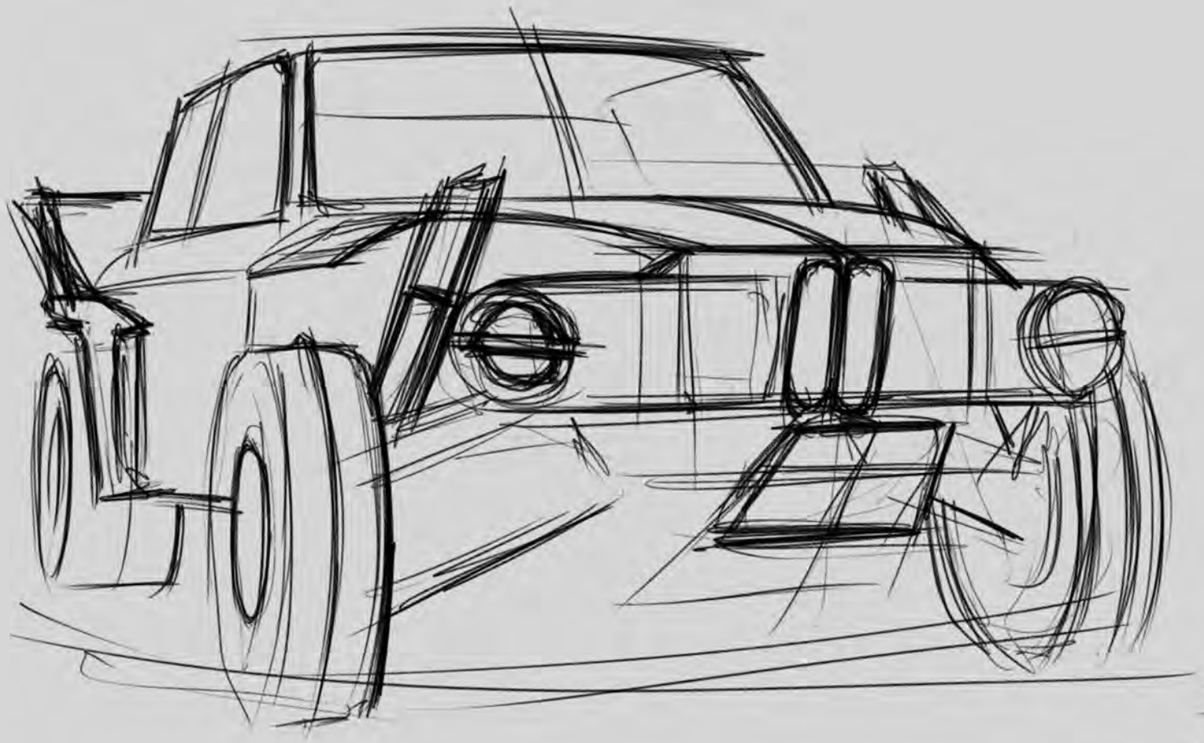

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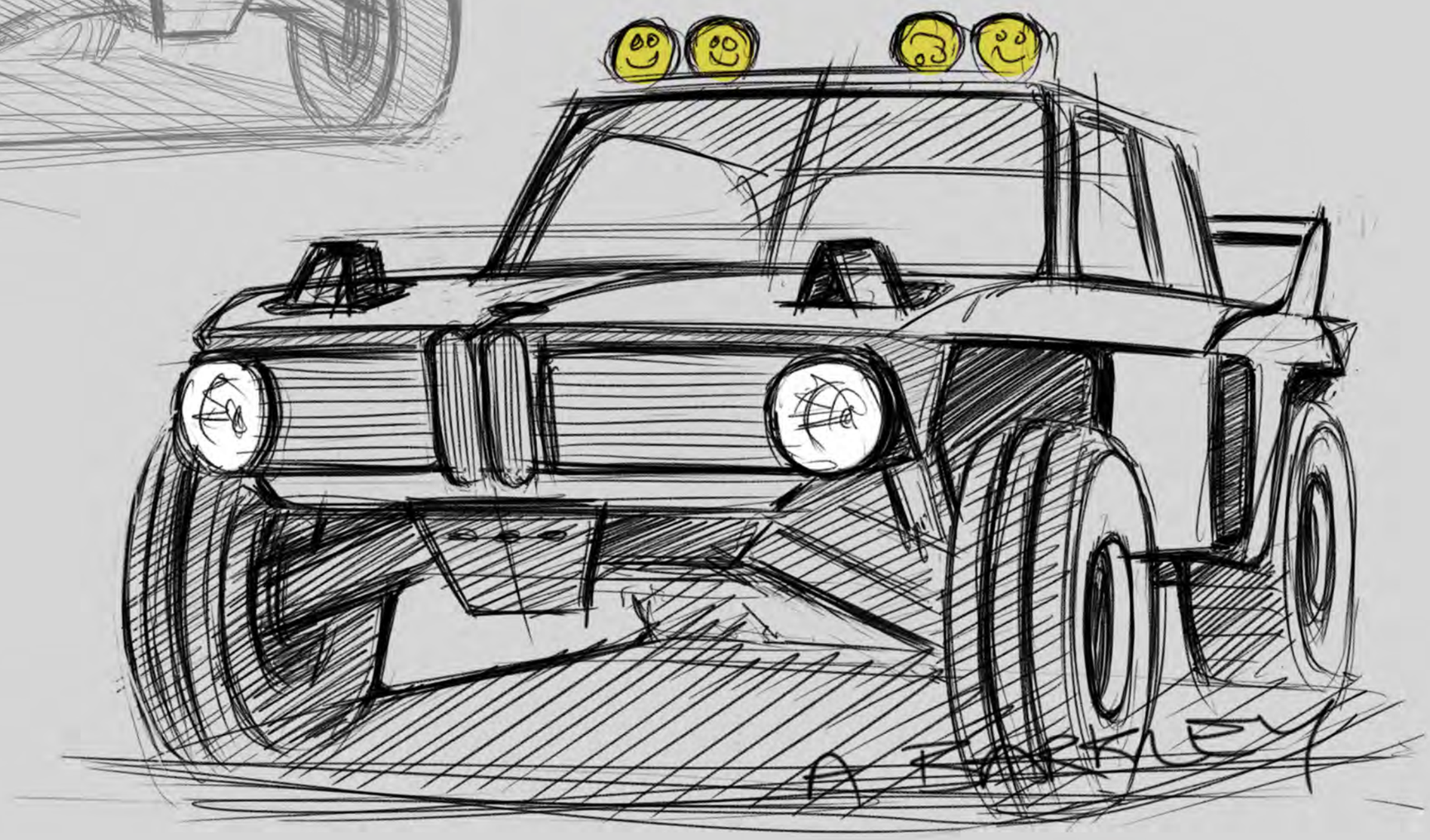

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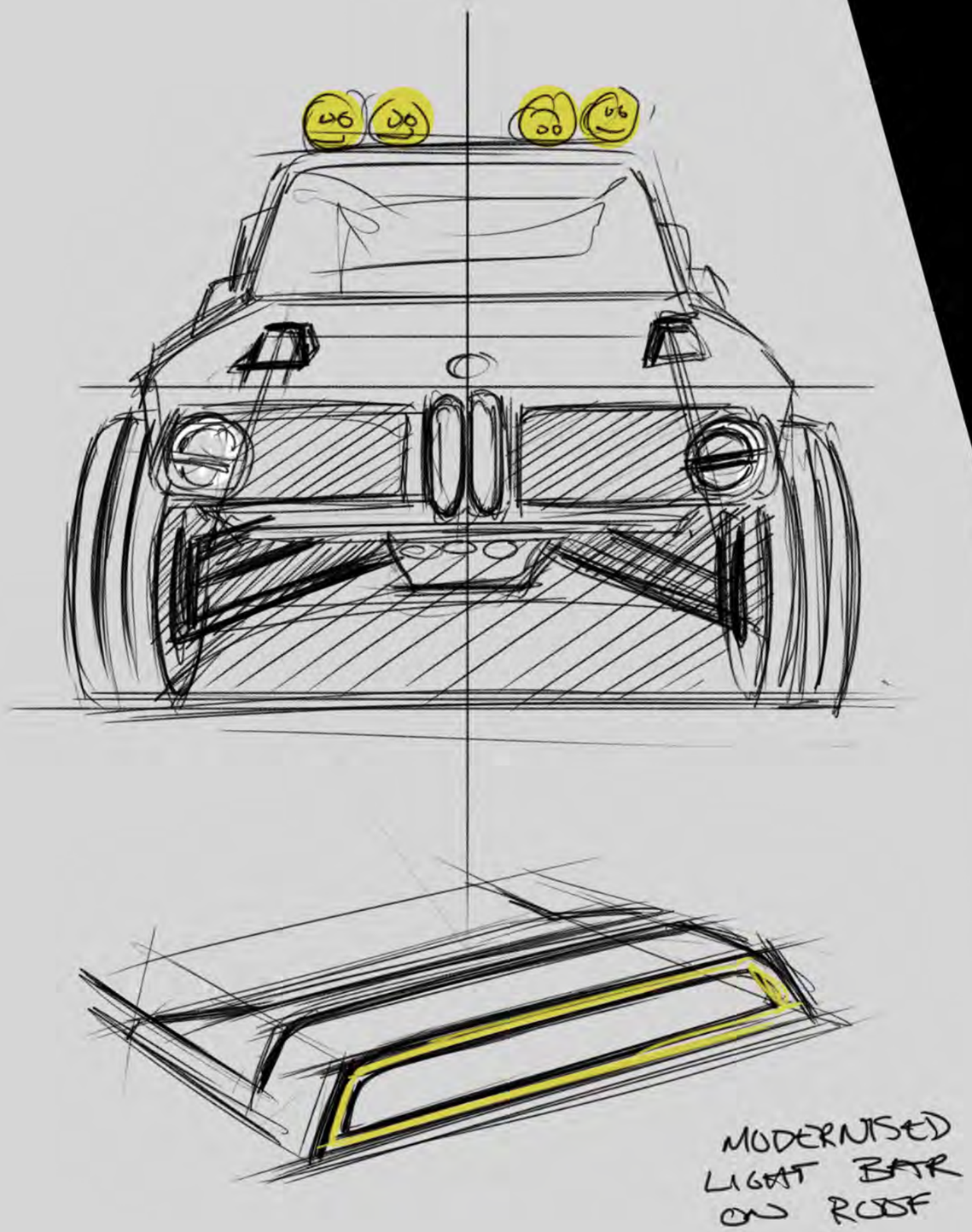


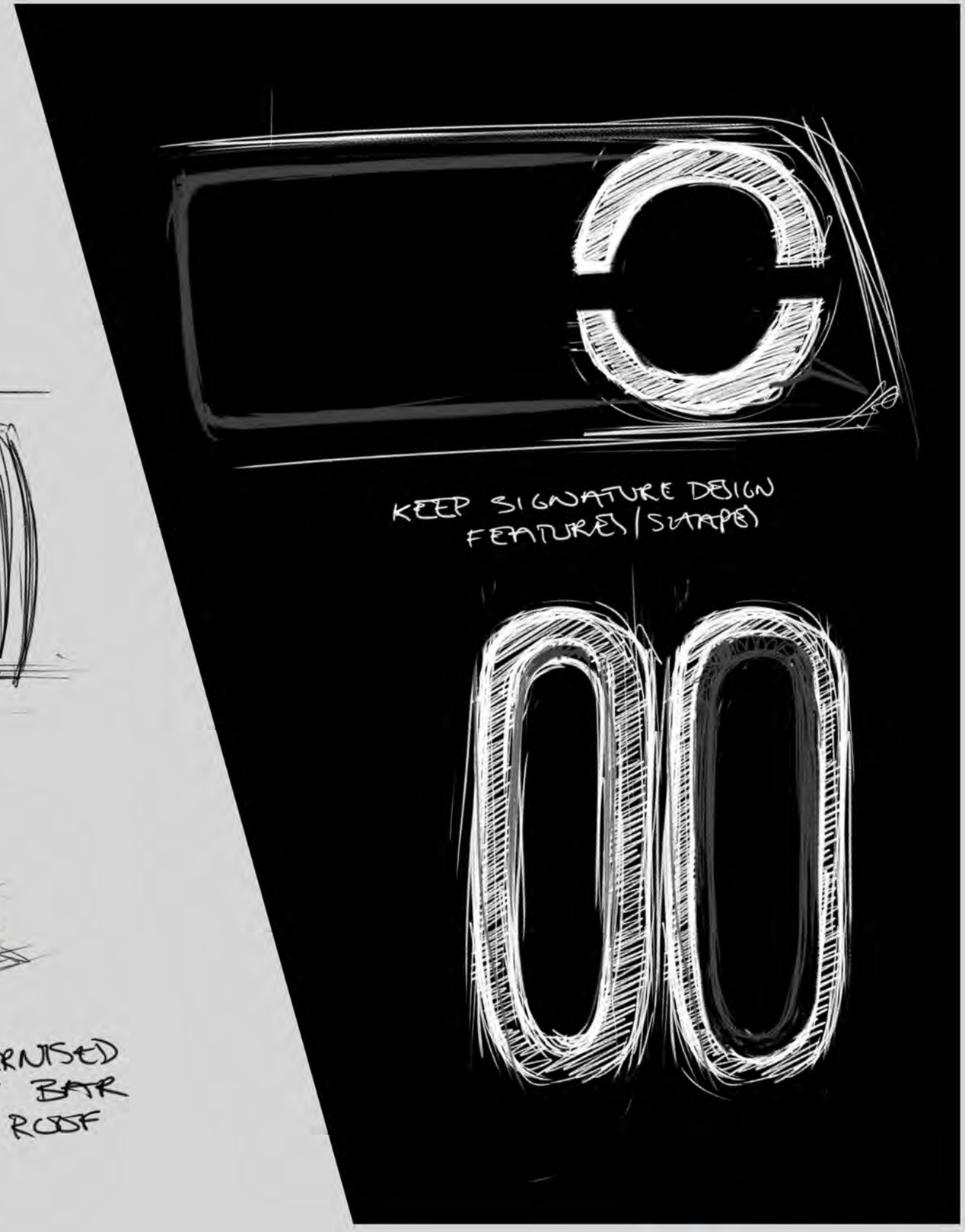


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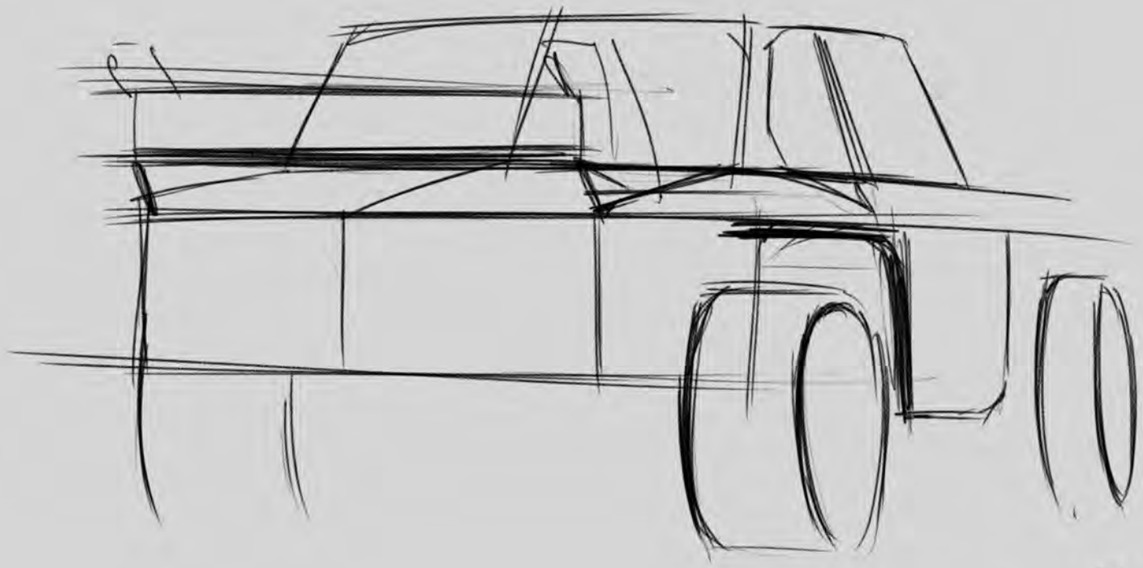

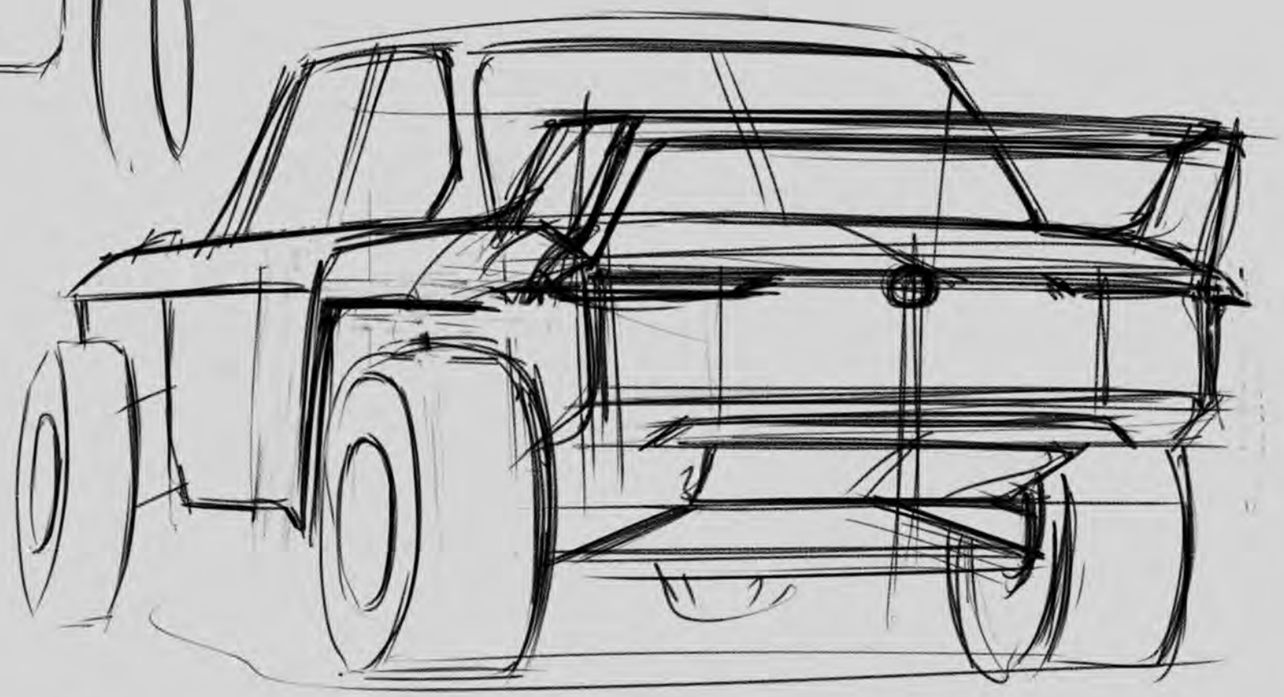

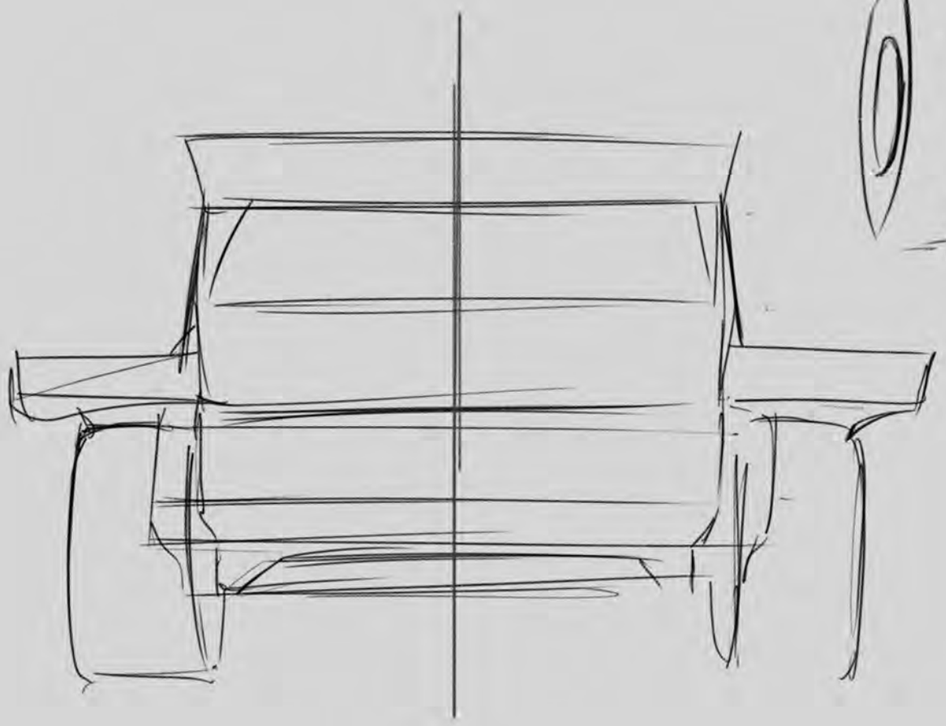

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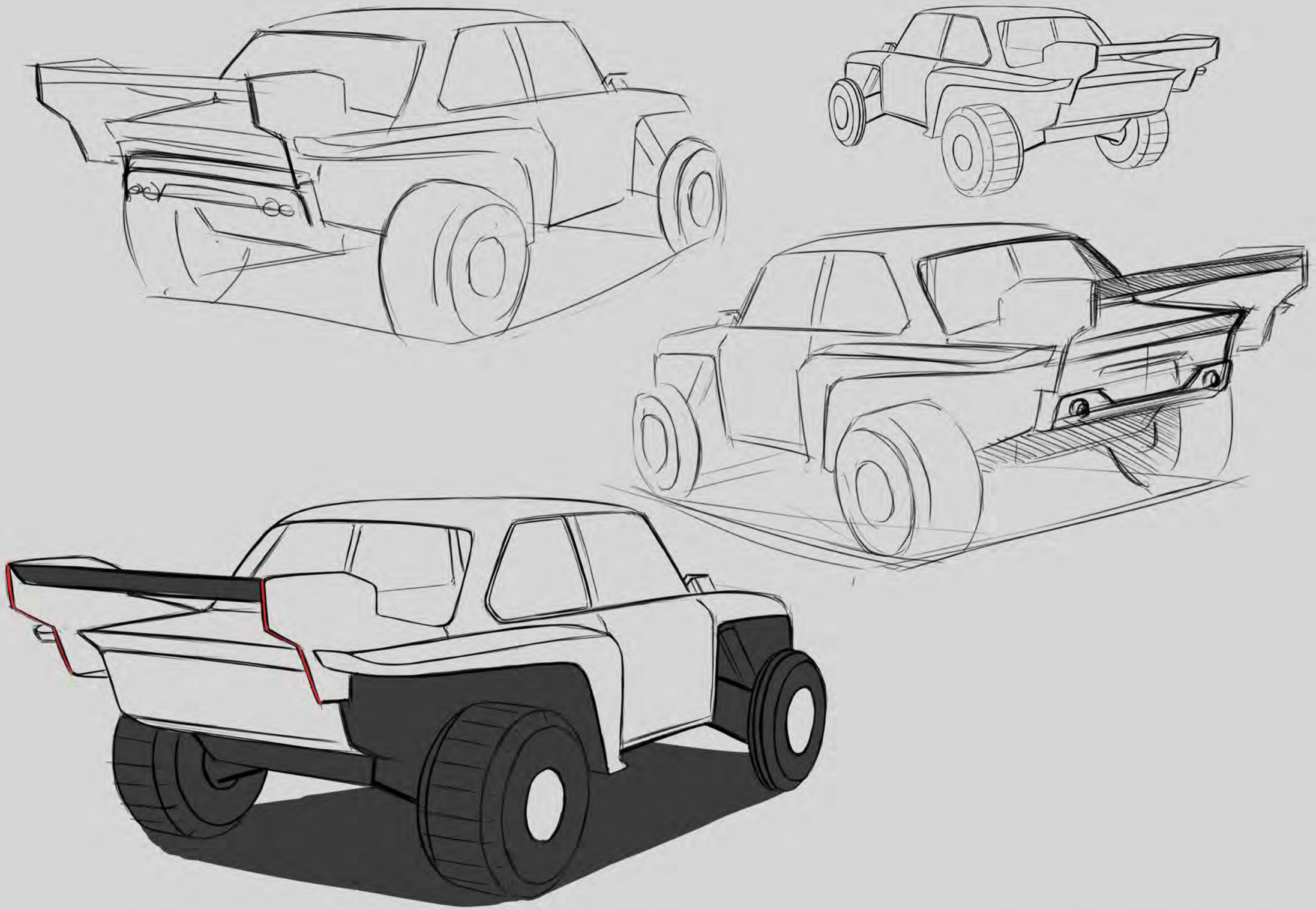

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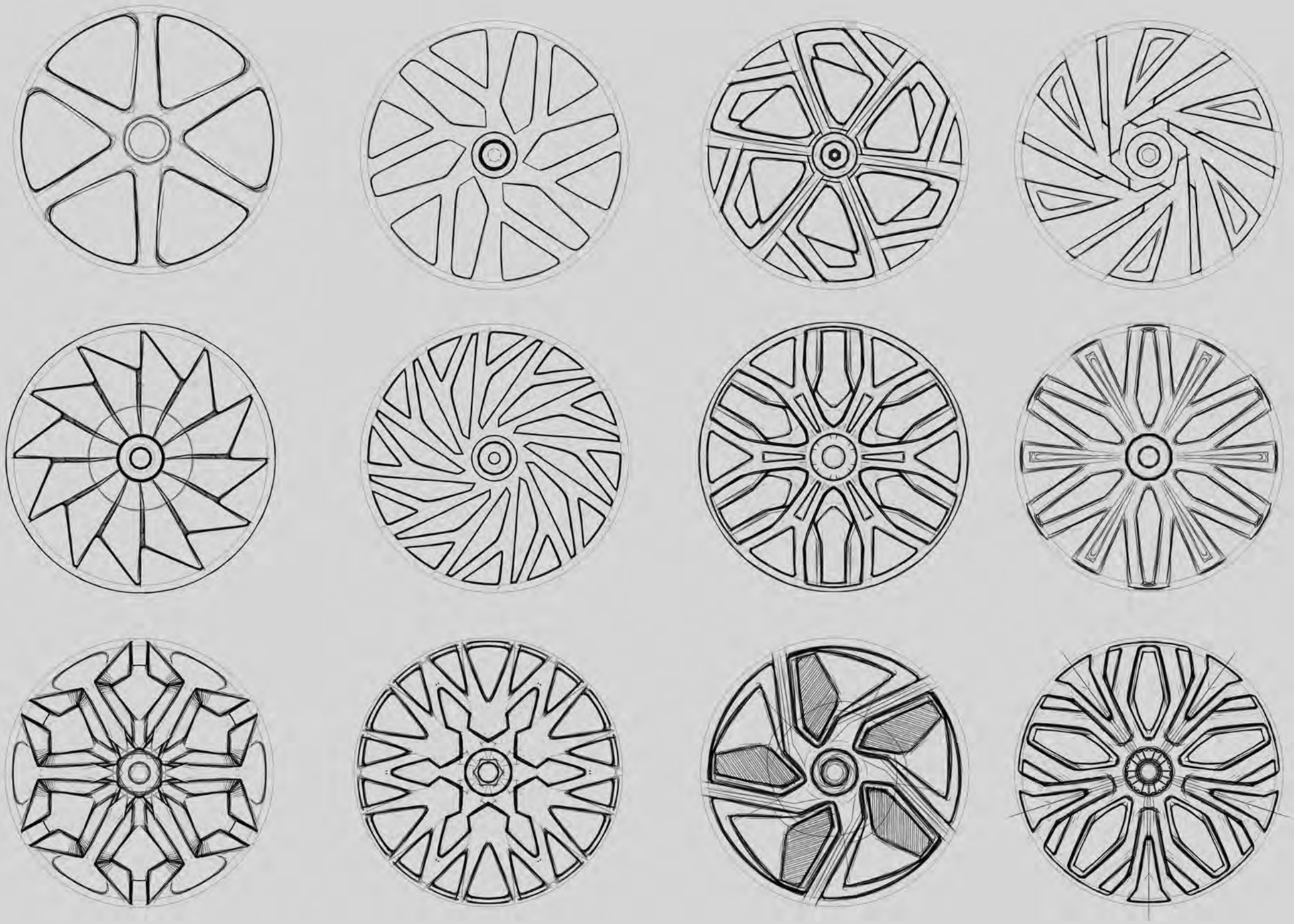

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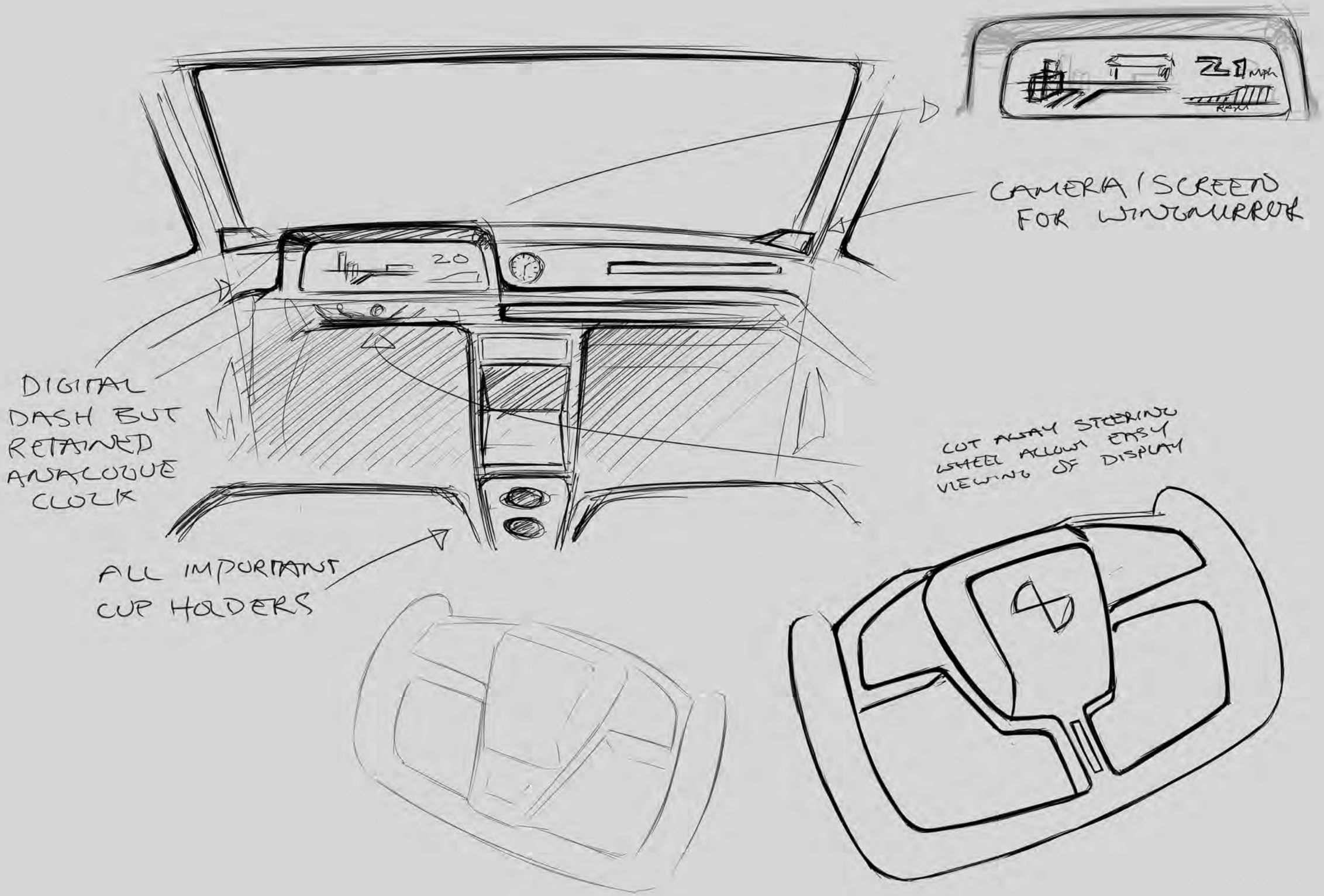


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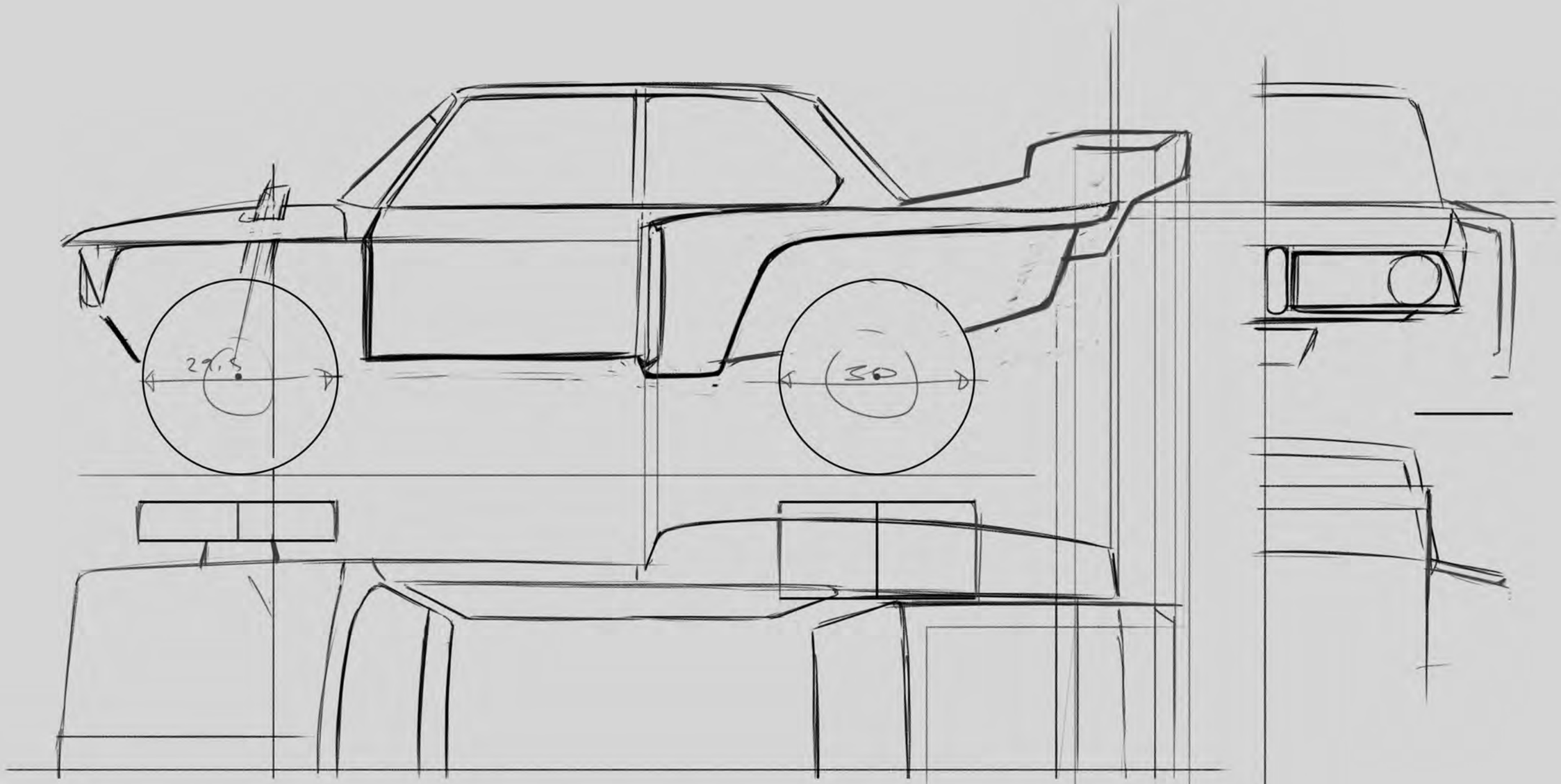


TYRES:
REAR - 30H, 15W R12
FRONT - 29.5H, 6W R15

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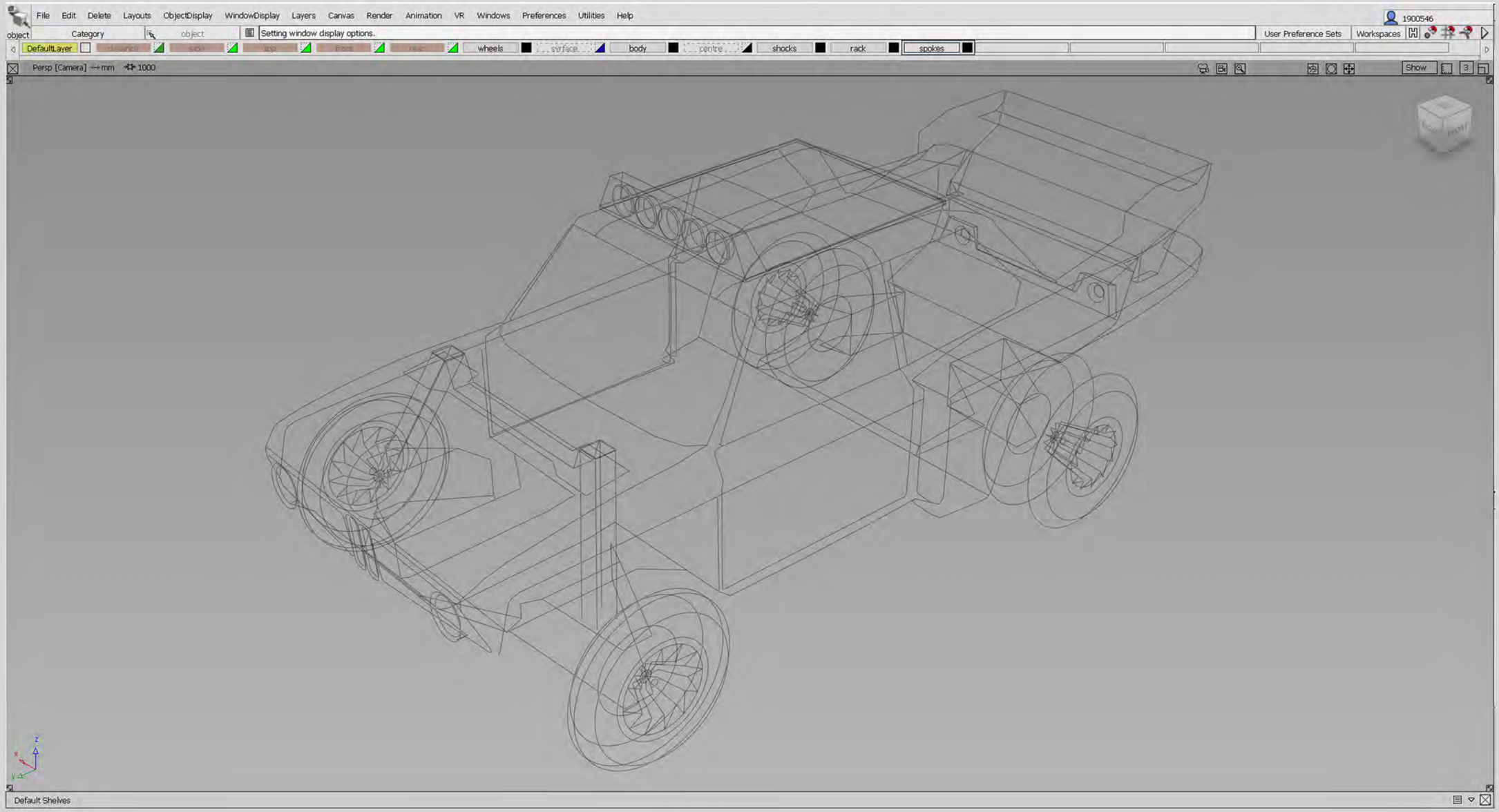


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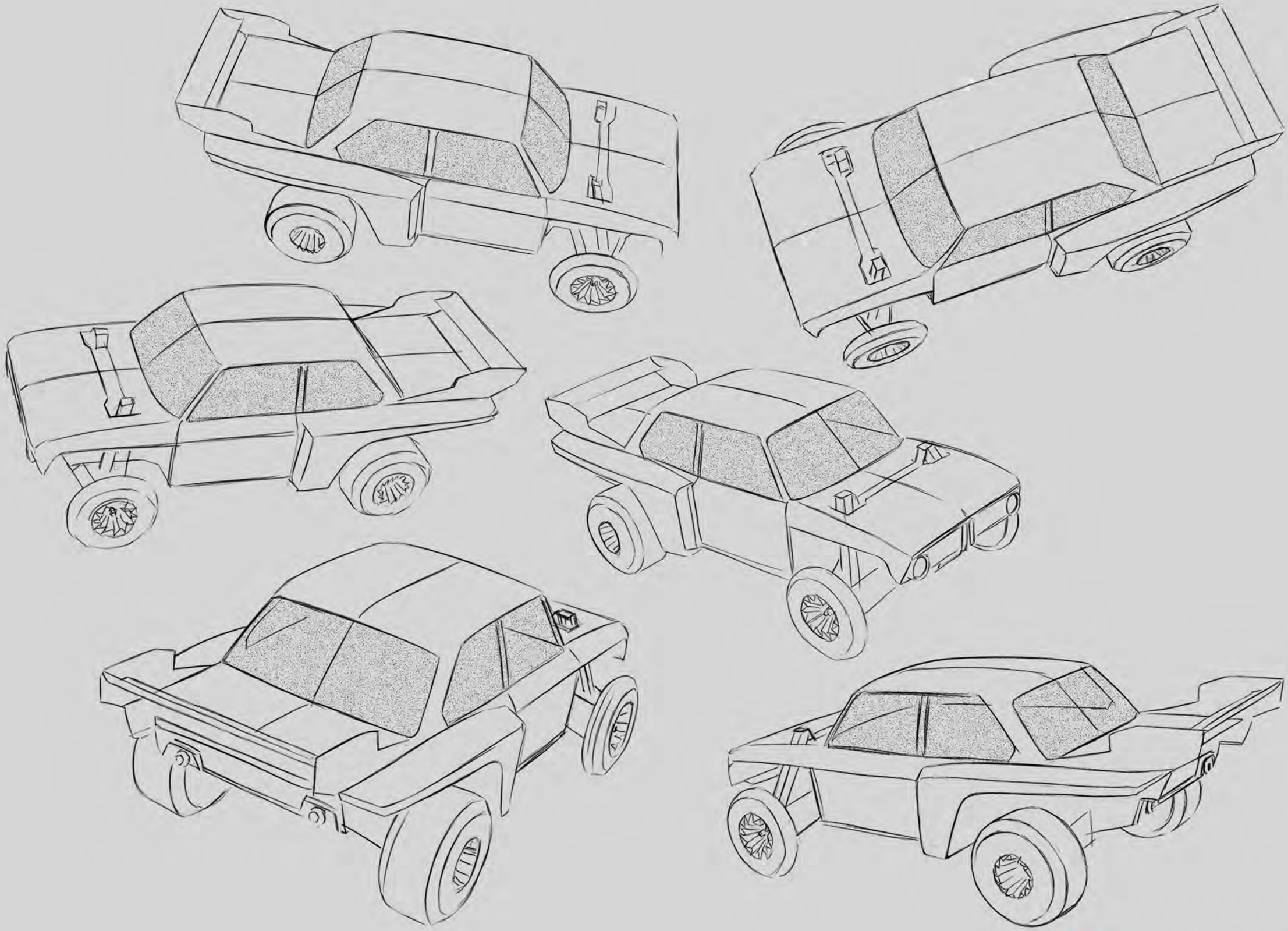
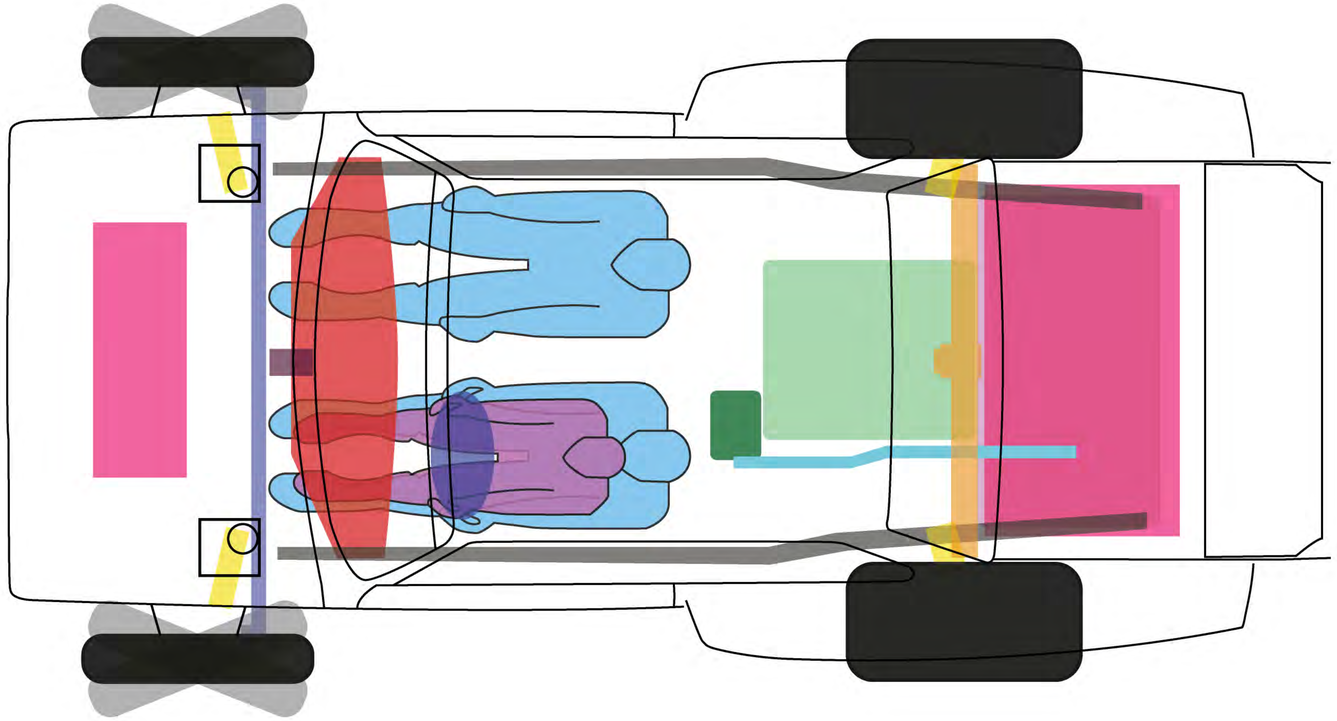


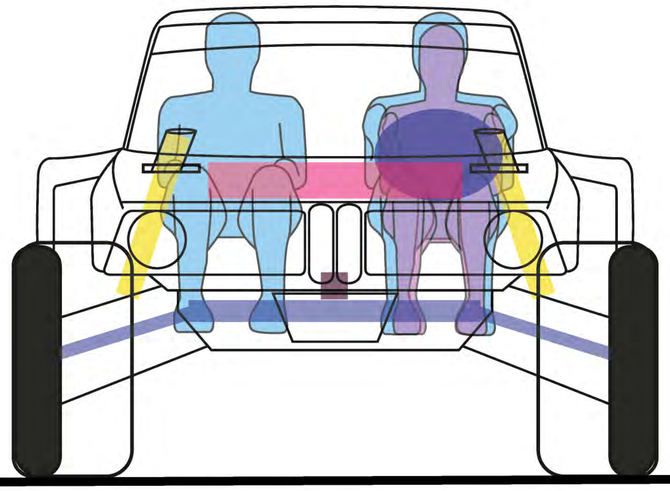
PandaModium

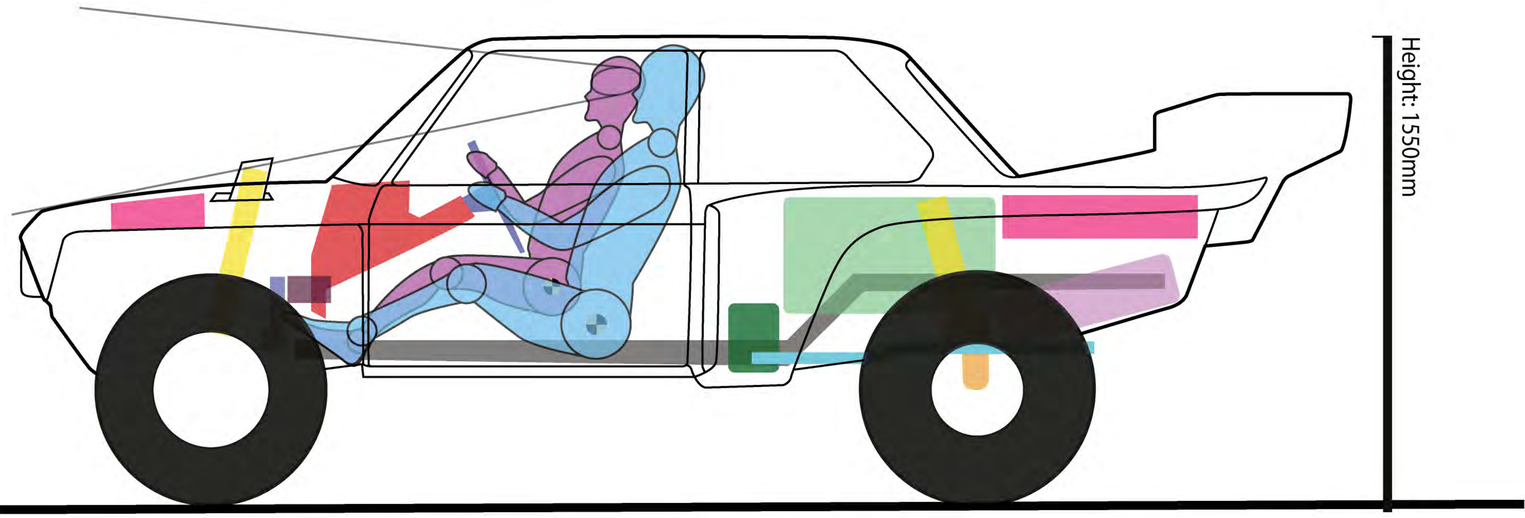
# BMW 2002 Desert Pandemic Concept

Scale: 1/20

- Tyres
- Chassis Rails
- Luggage Space
- Battery
- Steering Motor
- Suspension
- Steering
- Interior
- Driveshafts
- Fuel Tank
- Exhaust
- Engine / Gearbox
- Female Ergo 5th Percentile
- Male Ergo 95th Percentile








Width: 2110 mm

Front Overhang: 625mm

Wheelbase: 2500mm

Length: 4338 mm

Alistair Barkley

A BARKLEY

A BARKLEY