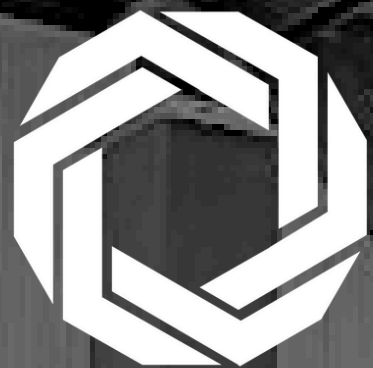


Light Gauge Steel Structures



APEX LGS

SMART STRUCTURES



Advantages of Steel

Over Traditional Concrete Structures

Advantages of Light Gauge Steel



8x Stronger

- Withstands 240kph winds
- Fire resistant to 1000c
- Earthquake resistant up to 9 on the Richter Scale



Advantages of Light Gauge Steel



4X Faster Installation

- No curing time
- Precut conduit and plumbing holes
- No rain delays!
- Faster ROI



Advantages of Light Gauge Steel



60% Lighter

- Lower transport costs
- Easier installation on slopes and soft ground
- Less machinery
- Smaller footings / slabs



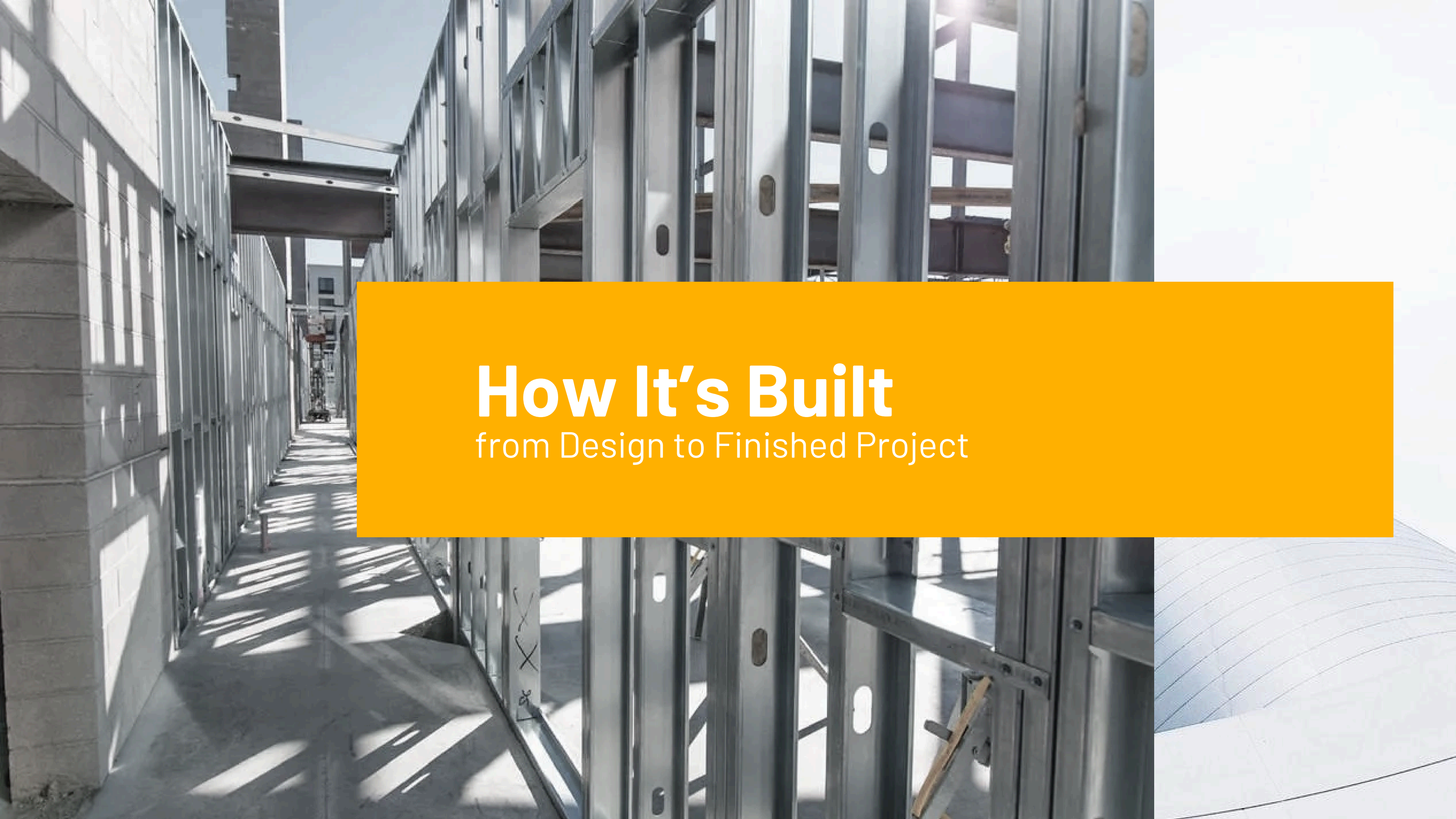
Advantages of Light Gauge Steel



2x better sound insulation
30% smaller carbon footprint
+ reduced construction waste and
onsite dust

70-100 year life span for steel

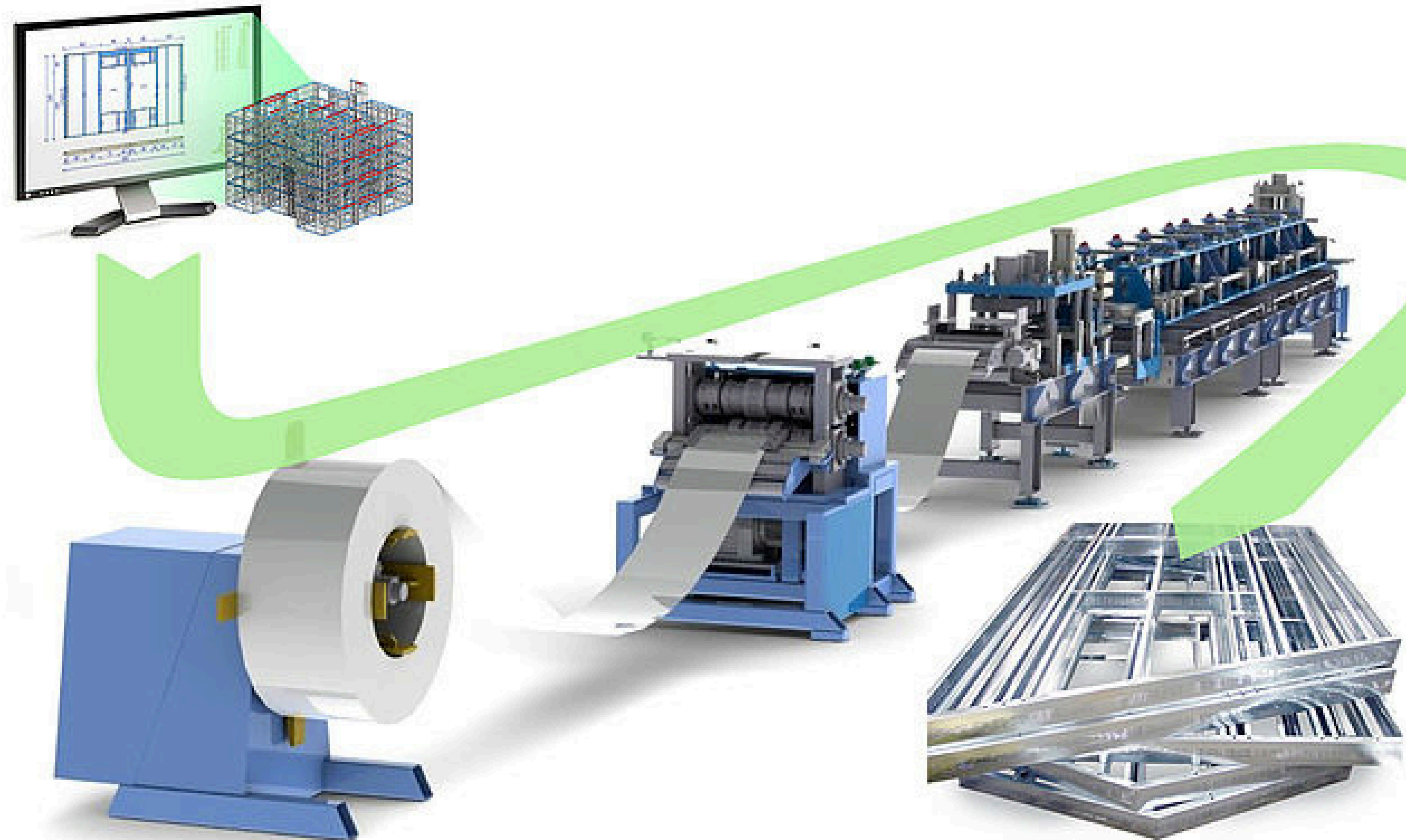
+ predictability of process & control of
construction time

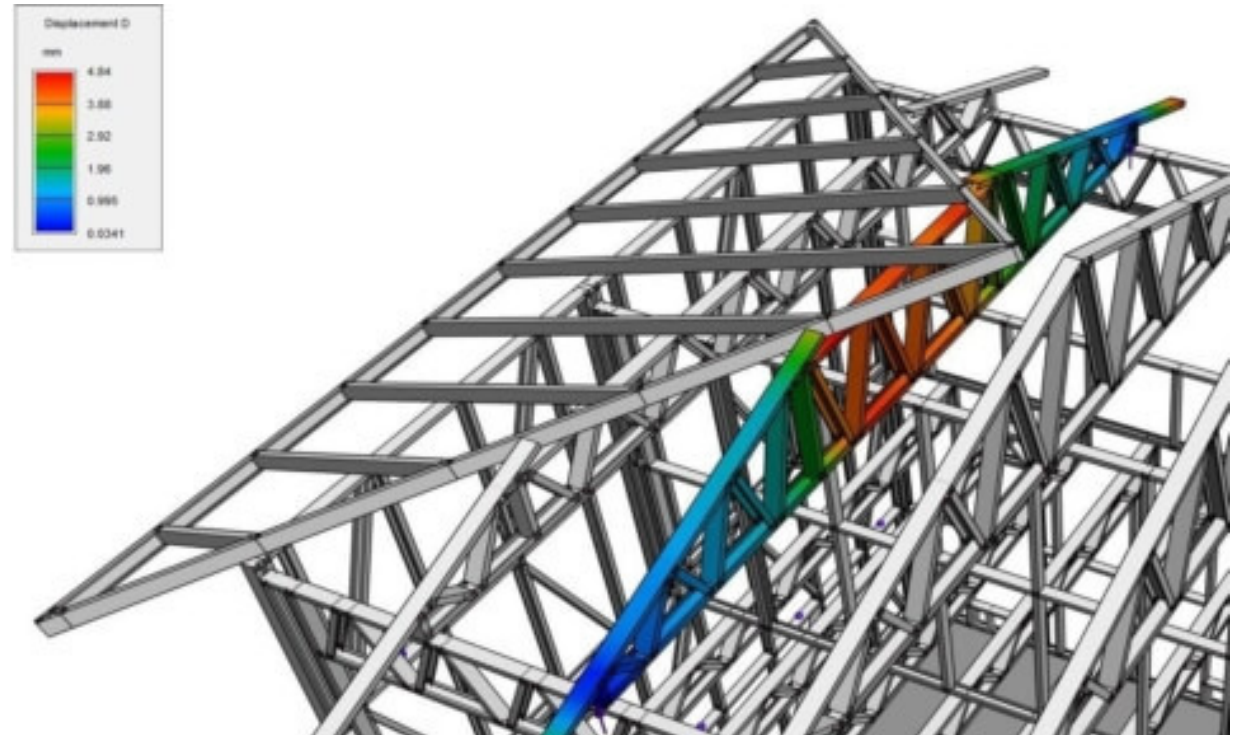
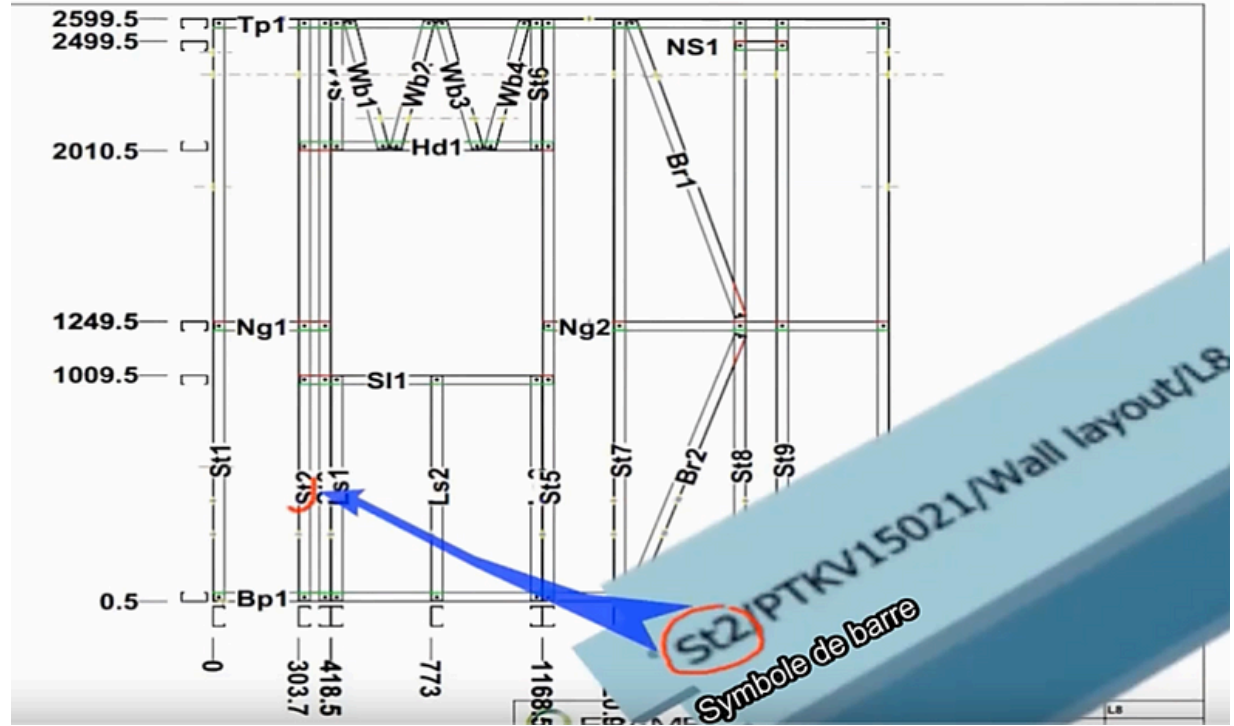
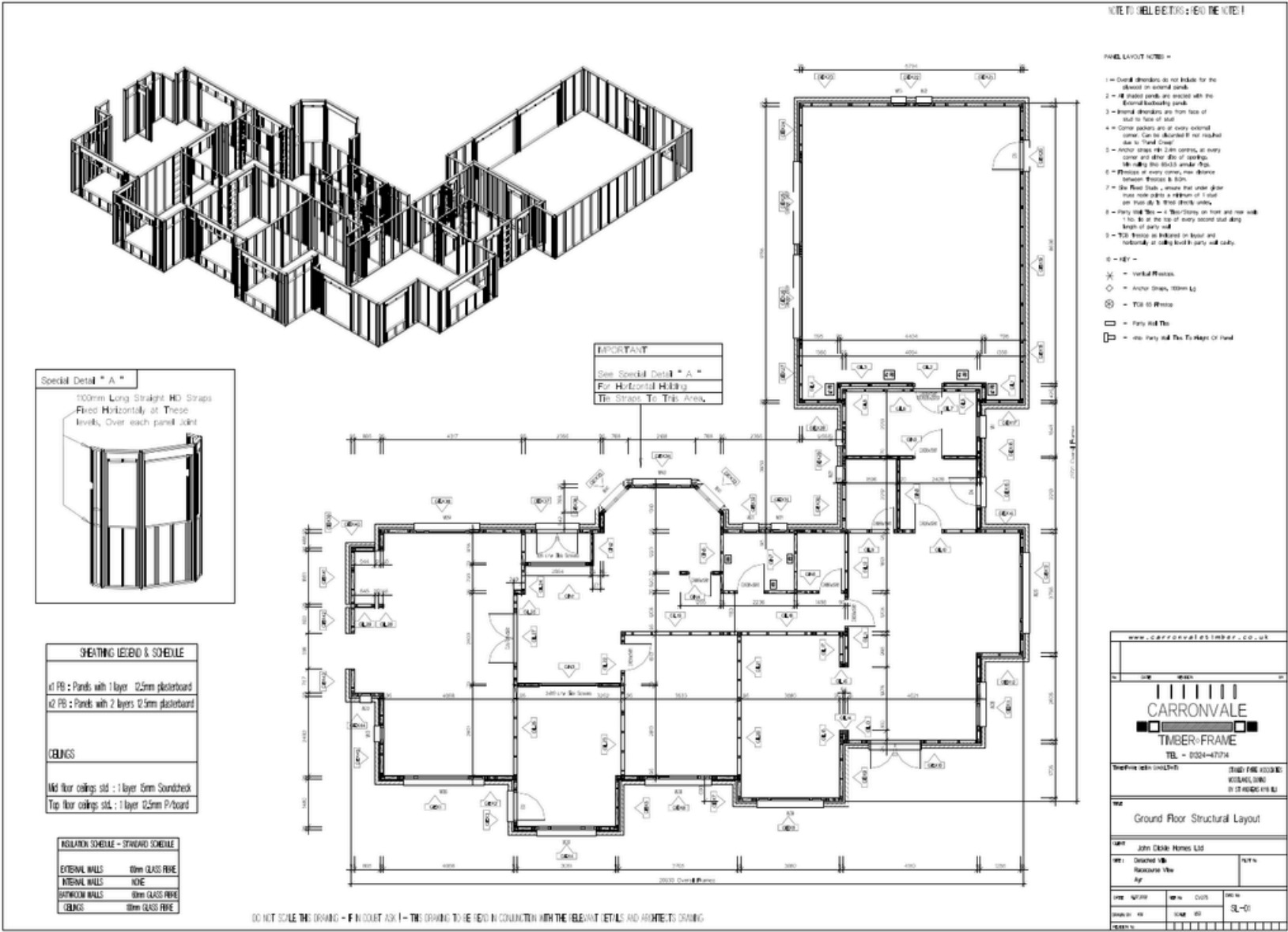


How It's Built

from Design to Finished Project

Vertex BD System





Fabrication & Pre-assembly



— ① —



— ② —



— ③ —



— ④ —



— ⑤ —



— ⑥ —

On-Site Assembly



— ① —



— ② —



— ③ —



— ④ —



— ⑤ —



— ⑥ —

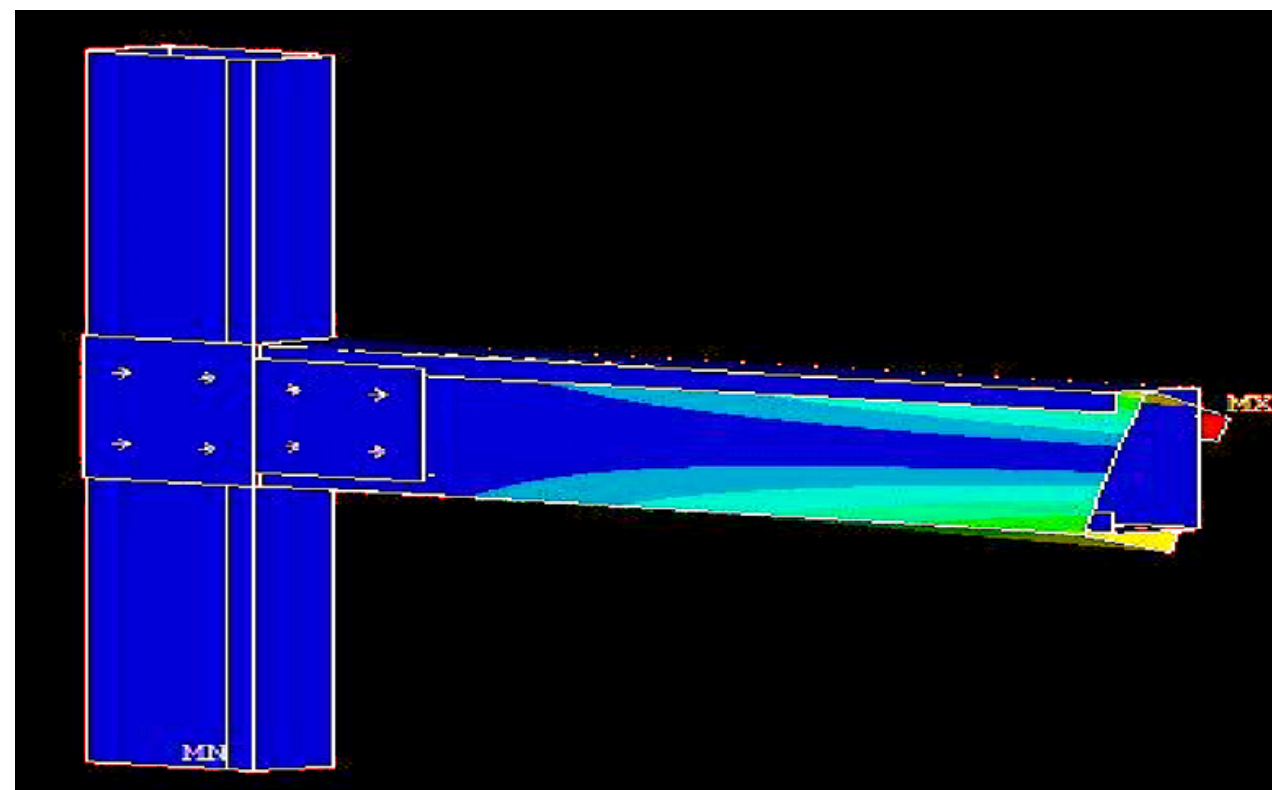
Advantages at the Joint



Factory cutting and
predrilling guarantees
accuracy to 0.5mm
and preservation of the alu-
zinc galvanization

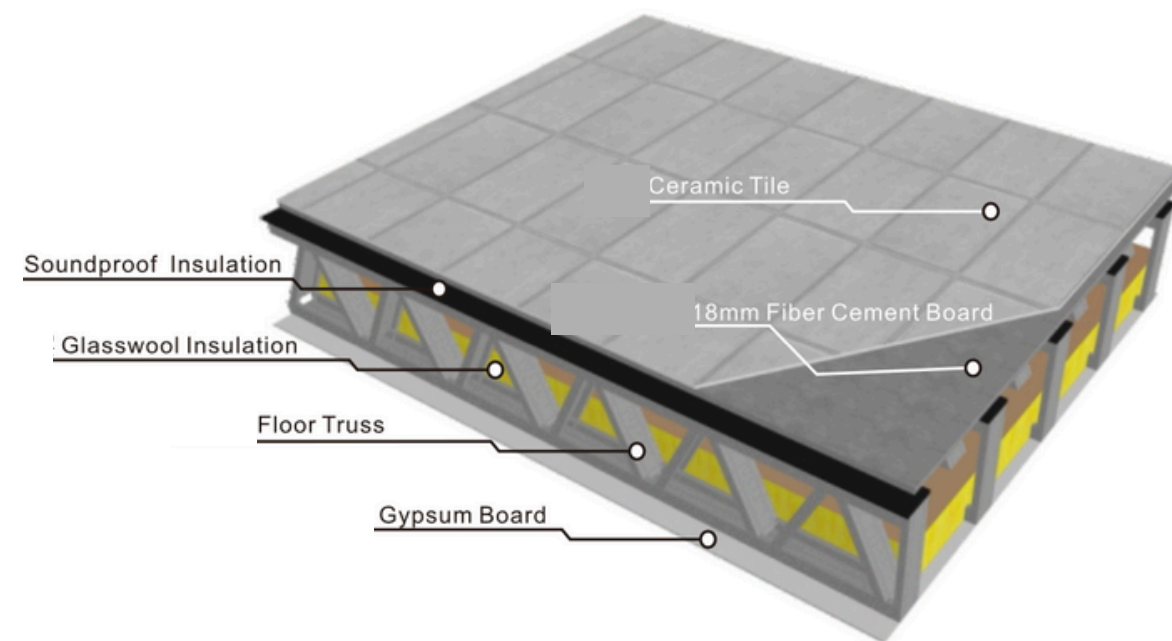


No welding = no rust

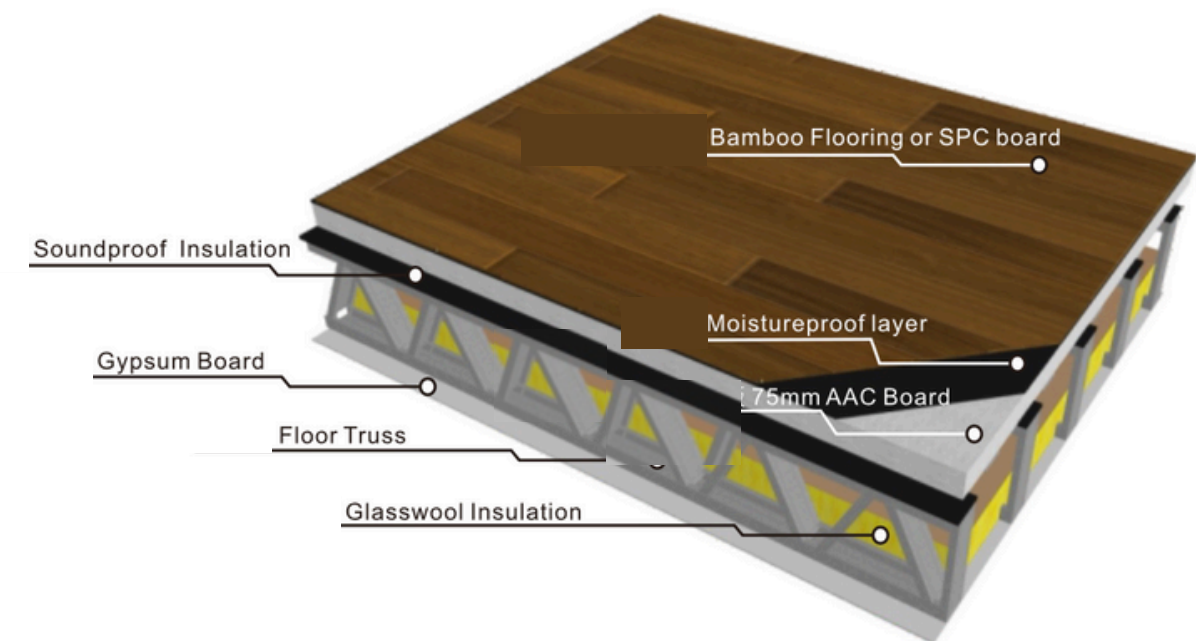


Joints are no longer
the weakest point,
but the strongest!

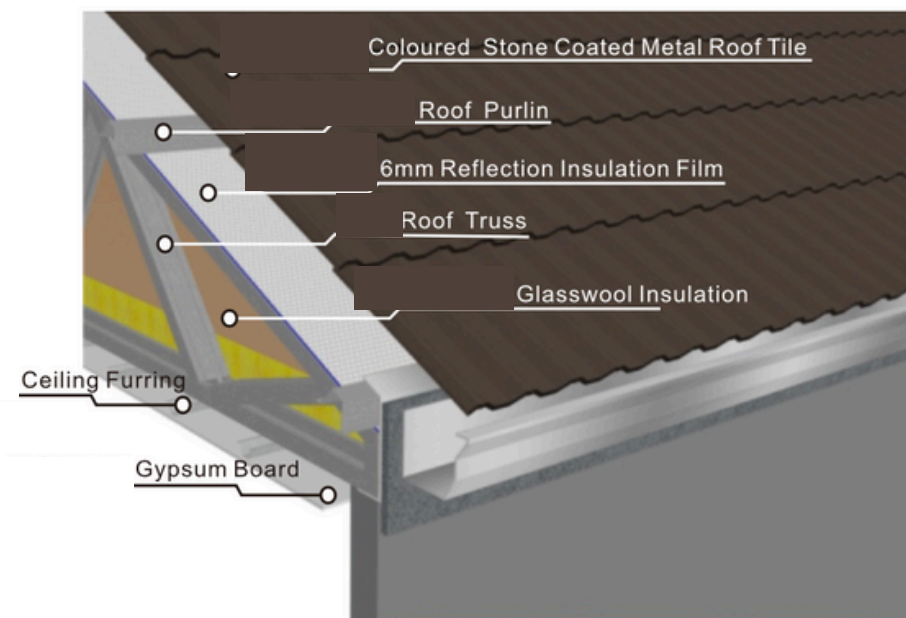
Roof & Floor System



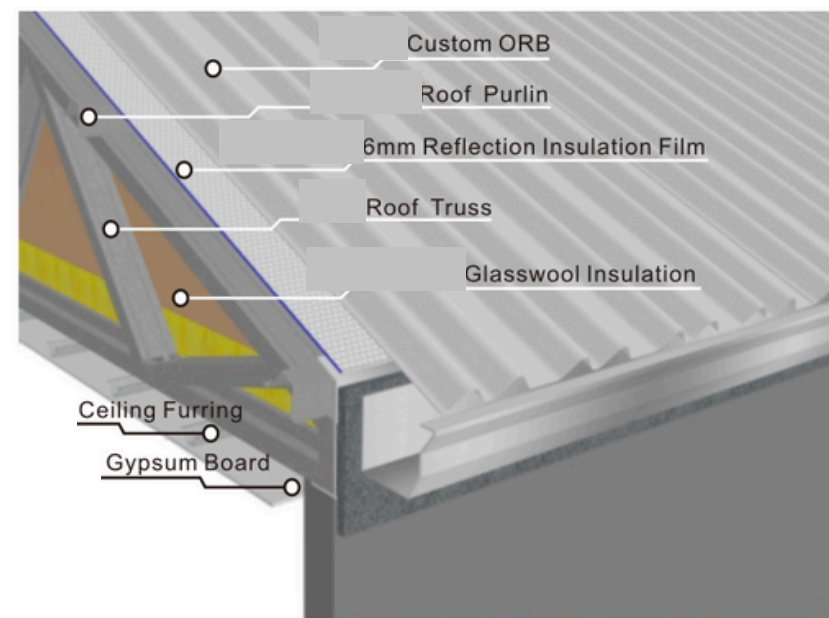
Floor type 1



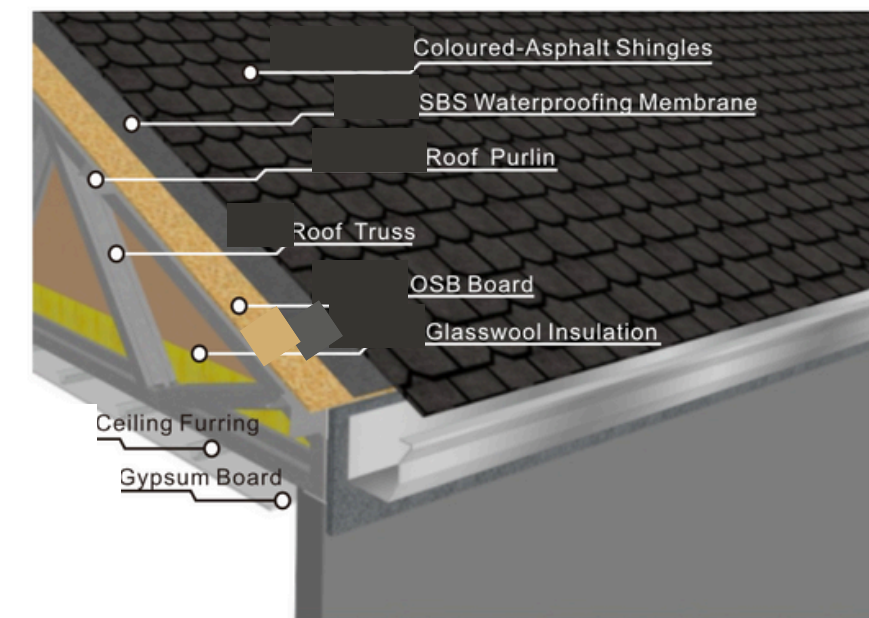
Floor type 2



Roof type 1



Roof type 2

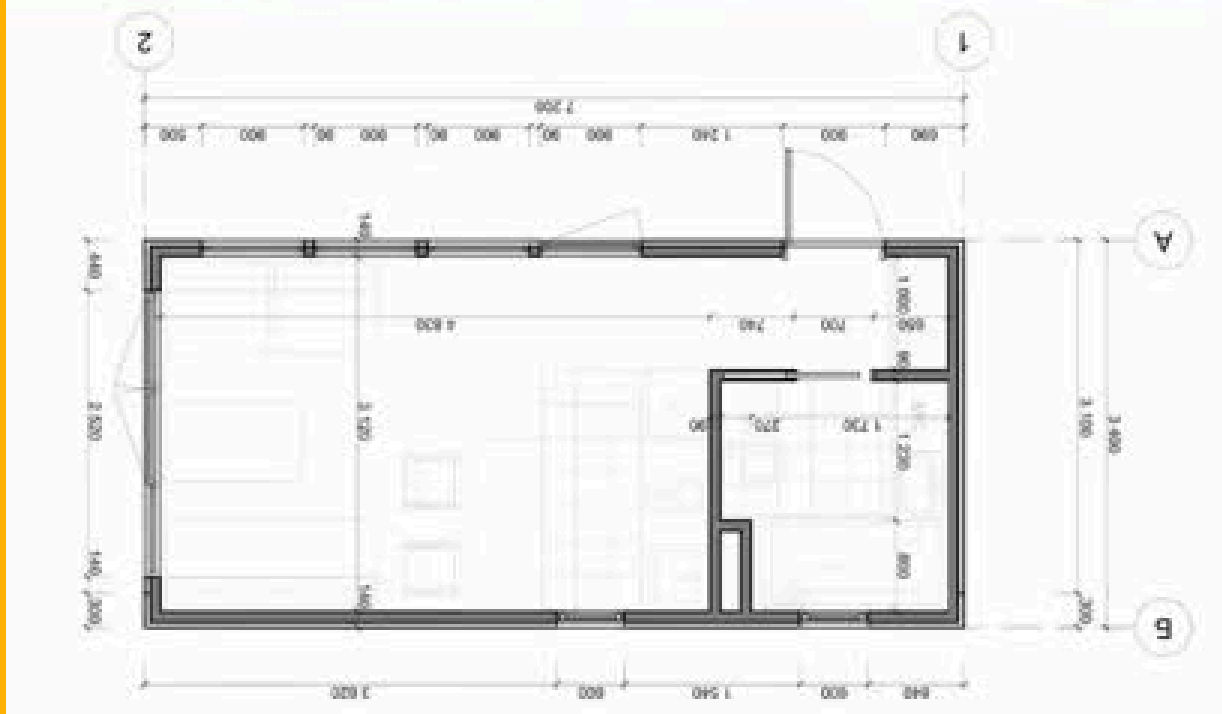
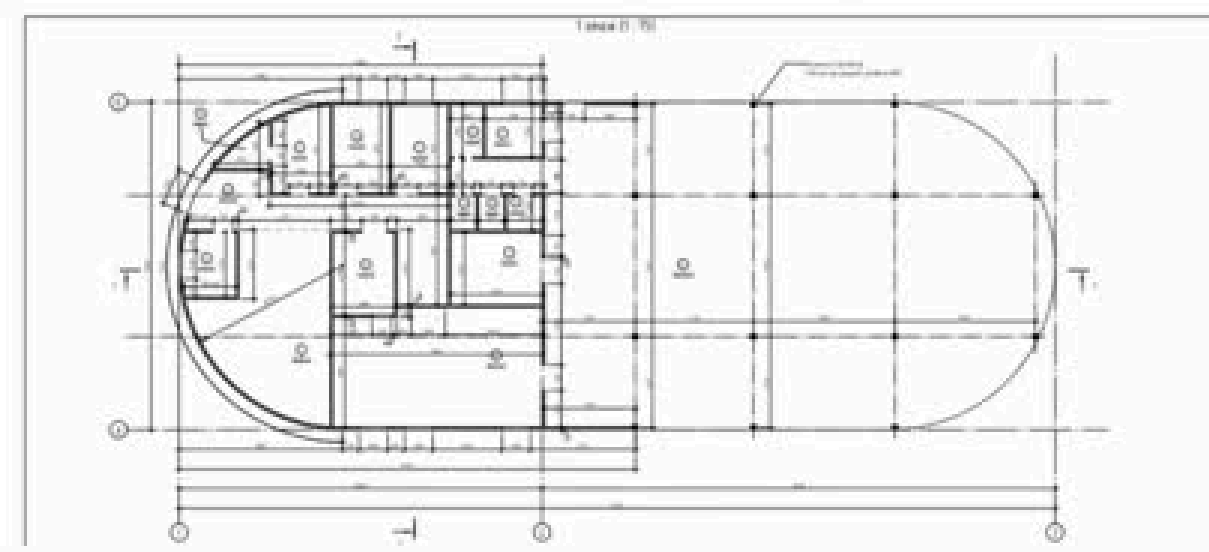
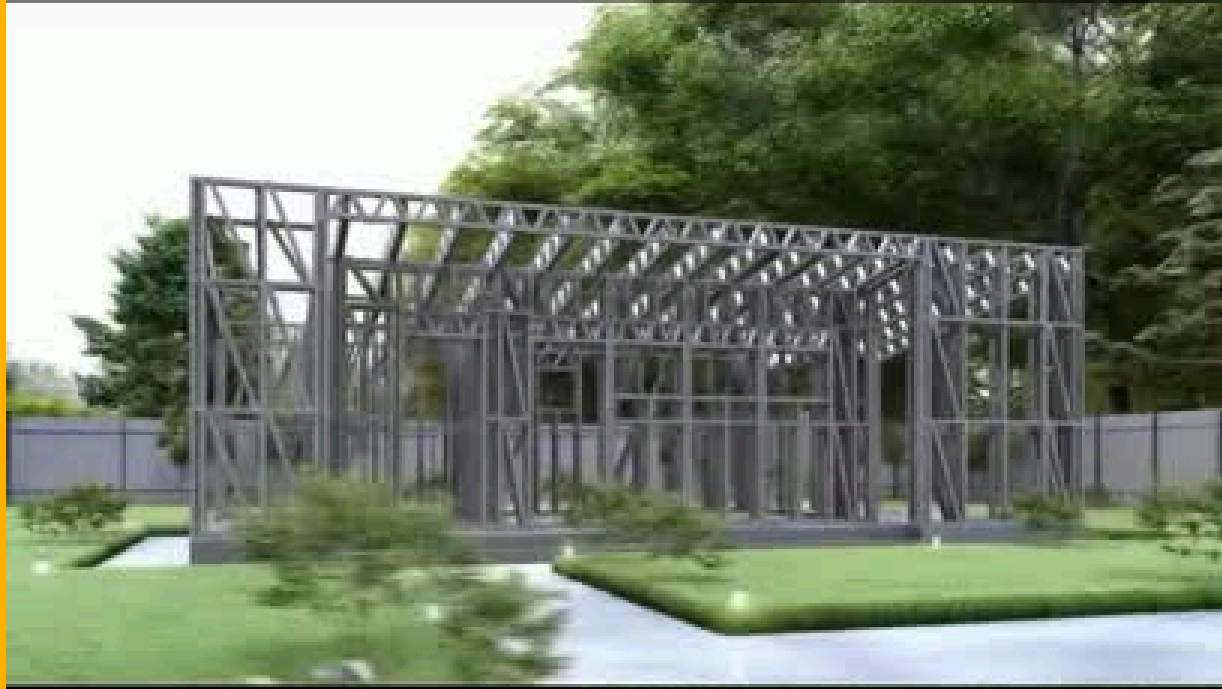
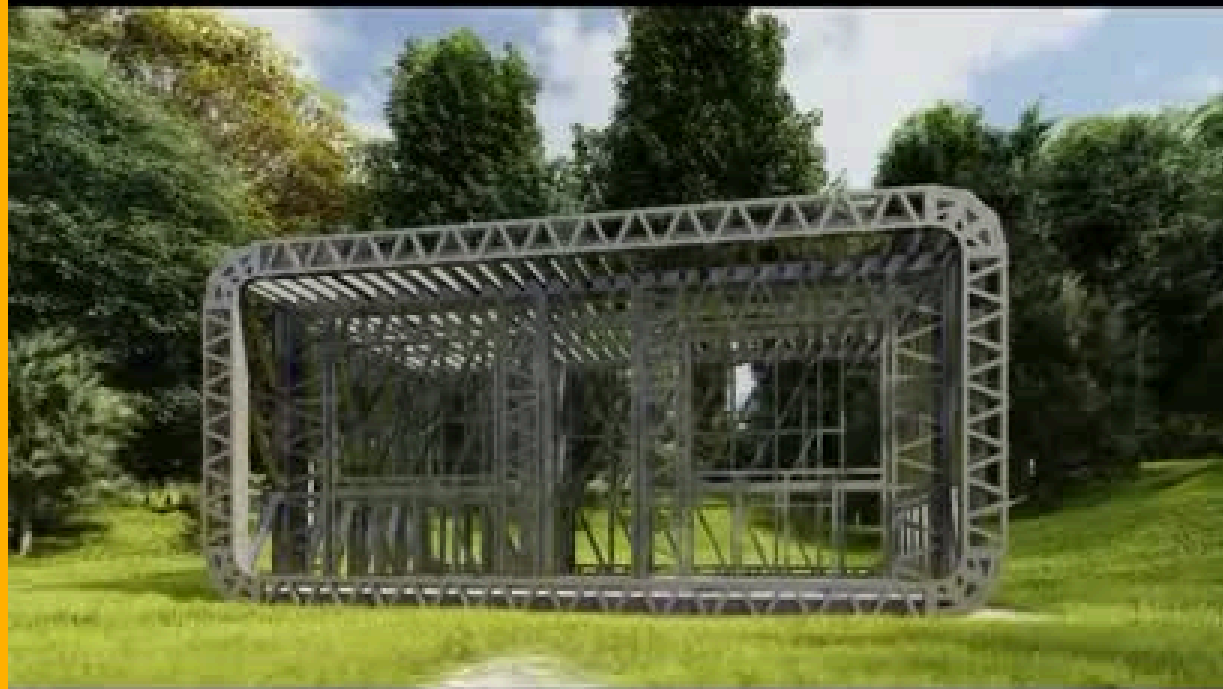
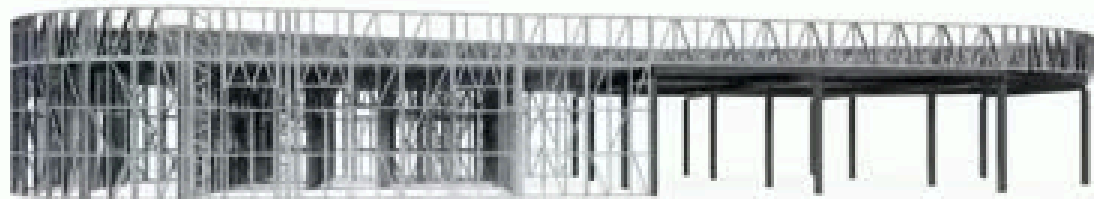


Roof type 3

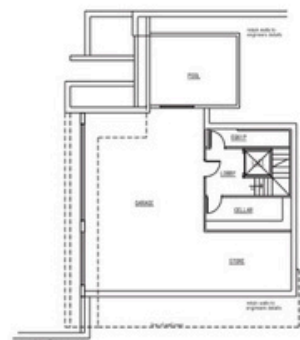


Case Studies

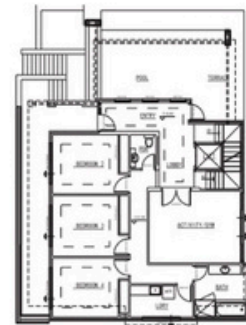
from Australia to Zimbabwe



Projects



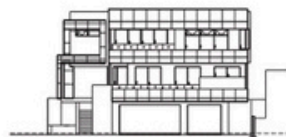
BASEMENT FLOOR PLAN



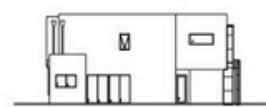
FIRST FLOOR PLAN



SECOND FLOOR PLAN



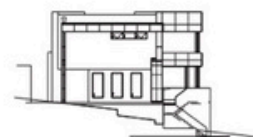
ELEVATION 1



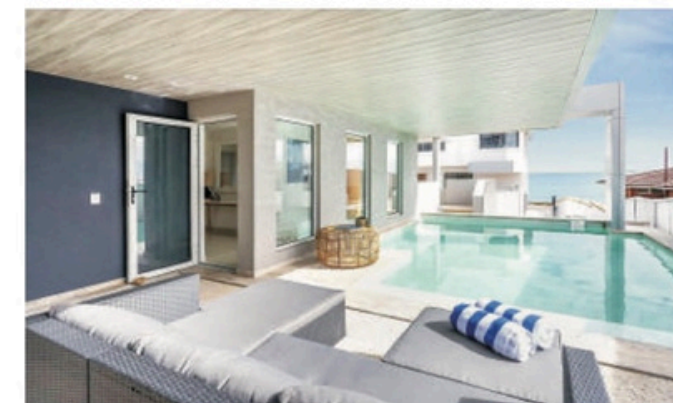
ELEVATION 2



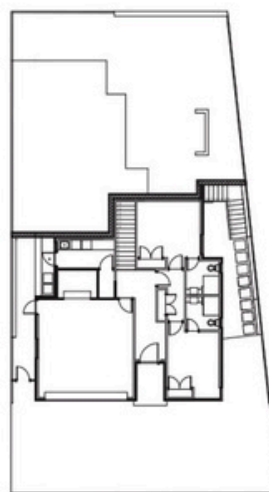
ELEVATION 3



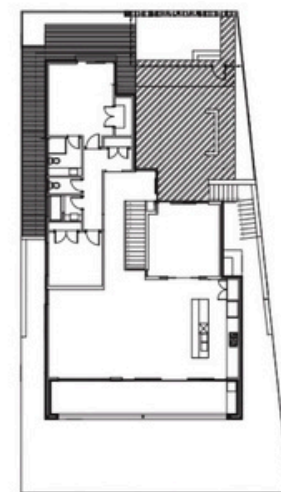
ELEVATION 4



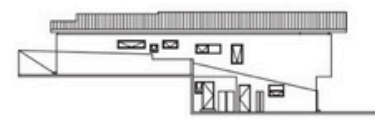
Projects



GROUND FLOOR PLAN



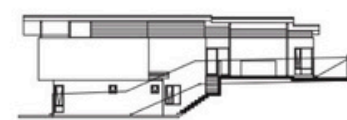
UPPER FLOOR PLAN



ELEVATION 1



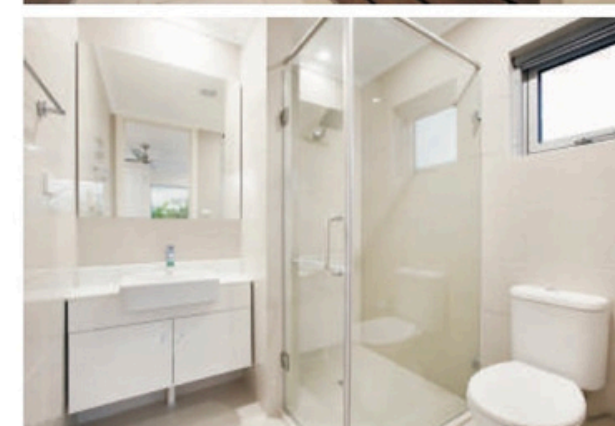
ELEVATION 2



ELEVATION 3



ELEVATION 4



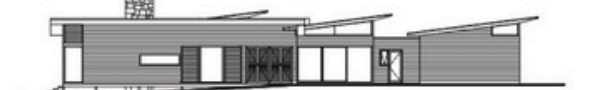
Projects



GROUND FLOOR PLAN



ELEVATION 1



ELEVATION 2



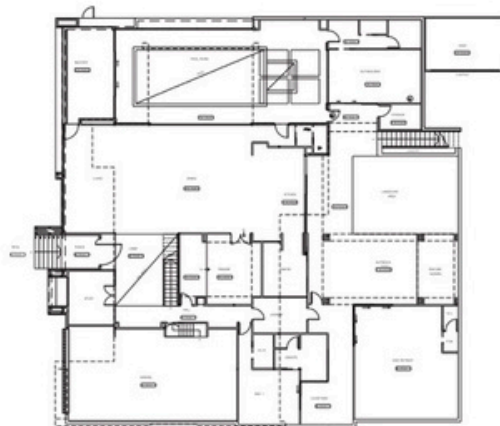
ELEVATION 3



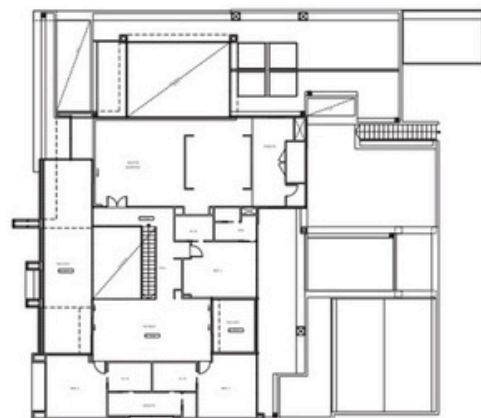
ELEVATION 4



Projects



GROUND



UPPER



ELEVATION 1



ELEVATION 2



ELEVATION 3



ELEVATION 4



Projects



Projects



Projects



Projects – Pre-designed





APEX LGS

SMART STRUCTURES

We look forward to working with you!



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