

ICONIC 3D
PRINTED CONSTRUCTION

3D PRINTING CONSTRUCTION

CAPABILITY STATEMENT

BUILT ON GOOD PEOPLE, GOOD PROGRESS, GOOD THINKING & GOOD VIBES

We're a team of Kiwi builders who are driven to create unique, awe-inspiring building projects across New Zealand. Our team is a good bunch who are genuinely stoked to be at work, a team who bring their A-game every day. We're committed to providing the best possible outcomes for our clients, with our good people, good progress, good thinking and good vibes.



WHO WE ARE

At Iconic3D, we're shaking up residential construction with cutting-edge 3D printing technology. We're all about crafting eco-friendly, sustainably built homes that are as unique as you are. Our approach to modern construction revolves around our brand pillars: **PRINT, BUILD, LIVE.**

Printed Construction that's as forward-thinking as you are. Join us in building a better, greener future.



WHAT WE DO

Here at Iconic, we build thoughtfully designed environments that create unique experiences and memories.

We are not “just” builders. Our crew are all about thoughtful design. From our first meet and greet, to the finished product, our Iconic team mission is to create a unique experience and build relationships with our clients and partners.

As a positive and united group, we work together to produce awesome outcomes. We always strive for excellence and love the challenge of solving real problems.

Our team are very much involved in the growth of Iconic. We invest in us – through health & wellbeing sessions with a registered nutritionist, recognising future leaders within our team and celebrating all the wins with the whole Iconic family.

The Iconic standard is represented by our ‘Makers Mark’, and it is something we leave with every build. It stands for everything we are as a team & company.





AWARDS

2024

We're pleased to announce our Mary St townhouse development build won Gold in the 2024 Master Builders House of the Year Awards, and was the Waikato regional winner for House of the Year.

The development and delivery to Tainui Group Holdings consists of eight townhouses and a duplex unit, and was designed to blend in with the landscape and make the most of the small site and natural light.

The project featured durable solid-fill masonry blocks and used eco timber to provide architectural interest.



2023

We're stoked to announce our Matangi renovation won Gold in the 2023 Master Builders House Of the Year Awards in the 'Renovations up to 750k' category. We also took out the Regional Plumbing World Bathroom Excellence Award and were in the Top 100 builds for 2023.

This project from start to finish, took a mere 13 weeks despite Covid-related supply issues, showcasing the efficiency and dedication of the team behind it.



2022

Our Matariki Terrace build won the Waikato Supreme House of the Year 'Under \$1 million' award in 2022. We also made it to the Top 100 builds celebrated at the National Awards event.

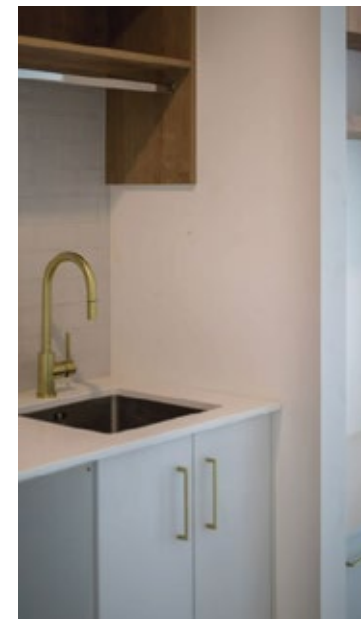
The judges commented that "the design of this extremely well-built home creates a calm environment that utilises natural light. There is a lovely consistency throughout, particularly with the door hardware and bathroom fittings, which match in brass."



2020

A defining Iconic team moment was winning Gold for 'Builders Own Home' in our first ever entry into the Waikato Regional House of the Year 2020 awards with our Ngāruawāhia build. Following that up we were named in the Top 100 builds in New Zealand.







3D CONCRETE PRINTING

Driven to create unique, awe-inspiring building projects in the Waikato, the Iconic team is committed to providing the best possible outcomes for their clients, with good thinking, good people, good progress and good vibes.

Iconic approached QOROX prior to embarking on building a new childcare facility in Hamilton. Originally designed with pre-cast concrete panels in mind, Iconic saw the benefits of 3D printed concrete after visiting the QOROX showroom, and the design was ultimately updated as a result.

The manufacture, delivery and installation of the 3D printed concrete slabs took a total of 5 days for a grand total of 150m² of panels. The panels were placed onto a finished slab which required no strip footings or ground anchors, with the use of a Hiab only.

Having seen the benefits of 3D printed concrete technology we are excited to be on board as the first Regional Partner of QOROX.

"It's an amazingly fast product. From bags of material one morning, to being delivered onsite as a constructed panel the next day is outstanding and exactly what the future of construction calls for." Nick Lane, Director - Iconic Construction.





SPOTLIGHT ON BRYMER HEIGHTS, ROTOKAURI

Welcome to New Zealand's first 3D printed show home!

99 days was all it took to build this bespoke modern home. Designed by Waikato-based architects, The Architecture People, the show home showcases how 3D printed concrete can be used to create a modern, stylish, sustainable and comfortable family home.

The interior features a fully-specced kitchen, built in wardrobe systems, and tiled showers and bathrooms.

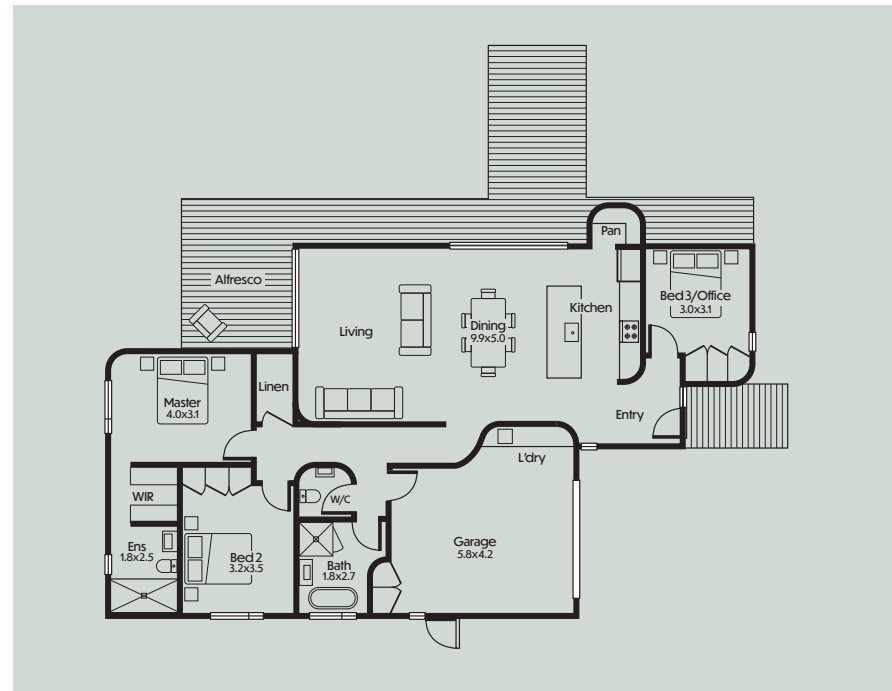
The show home's excellent thermal mass means it stays cool in summer and warm in winter without the use of air conditioning or a heat pump.

We've also made use of 3D printing technology in our landscaping, with a large-scale retaining wall helping to form the gardens at the front of the section.


Working in conjunction with our 3D printing and cutting edge technology partner QOROX, the show home does away with traditional building techniques, and adopting modern methods of construction that allows for full customisation, superior durability, enhanced speed and efficiency and a unique aesthetic.



Key features:

- Open plan living
- Curved walls
- Three bedrooms
- Two bathrooms
- 1.5 garages





20  **WEEKS**
BUILD TIME

50  **DAYS**
TO ROOF ON
38  **OF THOSE**
RAIN AFFECTED

0  **DAYS**
DELAYED
DUE TO RAIN



3 & 2
TRUCKS TRAILERS
TO DELIVER WALLS

24  **HOURS**
TOTAL PRINT TIME

12m³
CONCRETE
BLOCKFILL
IN WALLS

5  **TOTAL OPERATORS**
2 FOR PRINTING **3** FOR INSTALLATION

28.6 m³ **FOAM**
VOLUME

36 + 06 = 217 m²
GROUND FLOOR PANELS LINTELS TOTAL WALL AREA

SOLUX-E GLASS &
THERMAL RESIDENTIAL
SUITE ALUMINIUM
DOORS & WINDOWS

R2.7 **35-**
WALLS **40mm**

EXCLUDING 35MM CONCRETE
EITHER SIDE (ADDS ABOUT R1
BY OLD STANDARDS)

THERMAL MASS EITHER SIDE
OF WALLS CREATING THERMAL
STABILITY


2 DAYS TO PLACE WALLS

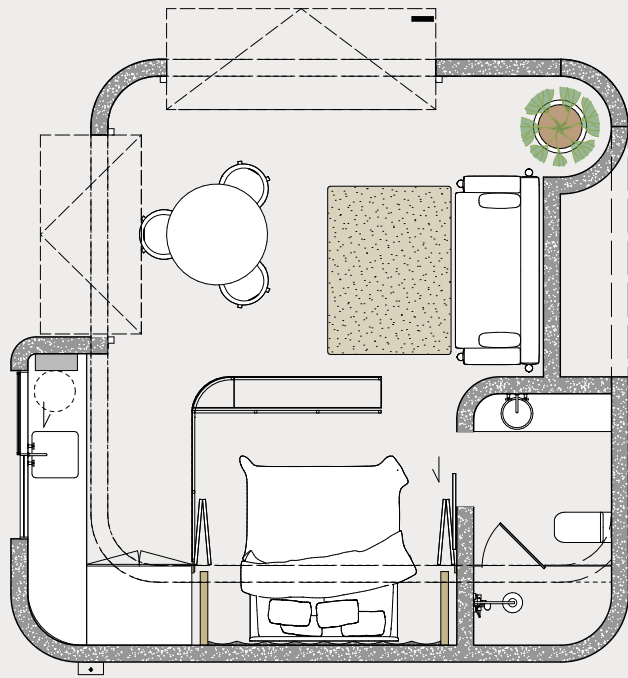
ALMOST **4x** 
THE STRENGTH
OF TIMBER BRACED WALLS
WITH **ZERO**  STRUCTURAL TIMBER
USED BELOW THE
CEILING HEIGHT



SOFT PLASTICS, FILMS & FOAMS
REUSED IN SEAT OUTSIDE

1x9m³
SKIP BINS REMOVED FROM SITE
1x9m³
RECYCLED

36  **TONNES**
PRINTED LOW
EMISSIONS Q-INK





SPOTLIGHT ON LOWE ROAD STUDIO

New Zealand's first 3D printed Airbnb; Lowe Road Studio is a unique, architecturally designed home on the outskirts of Hamilton.

Lowe Road Studio is designed by the clever folk at Nine Thirty and constructed by Iconic, using QOROX advanced 3D concrete printing technology.

Off-grid and solar powered, the studio features curved 3D printed concrete walls, Corten Steel roof, and a mid-century modern inspired interior.

Lowe Road Studio is designed to showcase how 3D printed concrete can be used to create stylish, sustainable, and welcoming living spaces.

Visit, stay and experience the future of sustainable construction.

SPOTLIGHT ON CREATORS EARLY CHILDHOOD CENTRE

Iconic Construction is proud to deliver the first 3D printed commercial building in the Southern Hemisphere. The early childhood centre, Creators Forest Lake, was built using six sections of QOROX 3D printed walls.

Originally designed with pre-cast concrete panels in mind, we saw the benefits of 3D printed concrete after visiting the QOROX showroom, and the design was ultimately updated as a result.

At a combined length of 15 metres long and three metres high, the walls were printed in under five hours, using QOROX's high-speed 3D concrete printing machine, based right here in Hamilton. The walls were installed in just two and a half days by two people.

The panels were placed onto a finished slab which required no strip footings or ground anchors, with the use of a Hiab only.

The 3D printed walls are building code compliant, exceed seismic standards, and withstand New Zealand's tough environmental factors. The walls feature stylish curves and custom textures, to create a modern and welcoming space for the centre staff and families.

Iconic Construction is proud to be a regional partner of QOROX. We are the first building company in New Zealand to partner with a 3D printing technology company, to implement this technology in our commercial and residential building projects, and lead the way to revolutionising the construction industry.

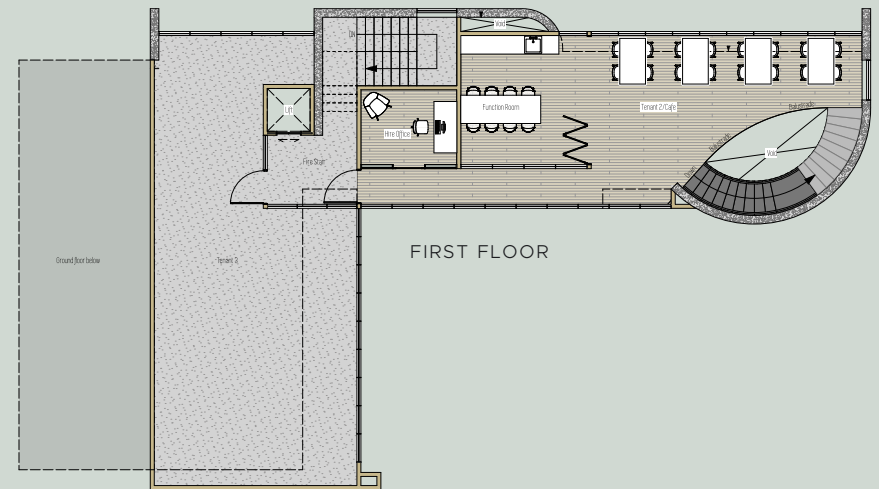
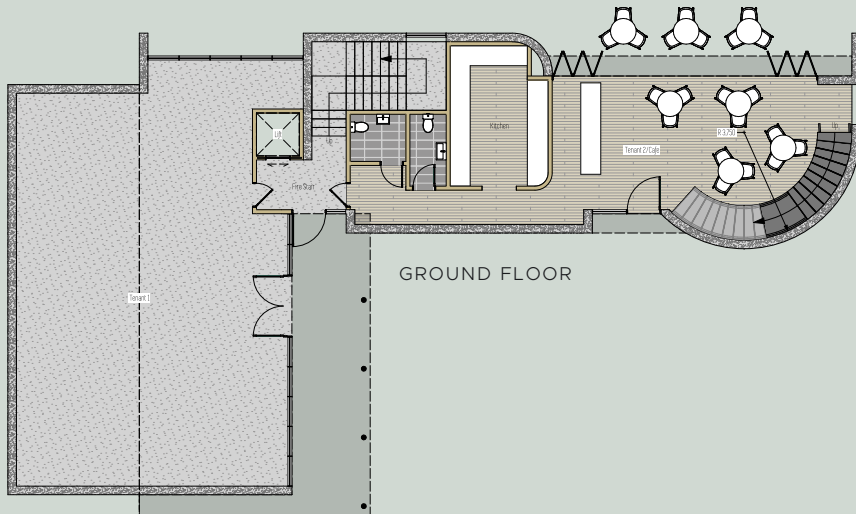






SPOTLIGHT ON THE VICARAGE

Welcome to The Vicarage, a cutting-edge commercial building blending tradition and innovation. Constructed with 3D printed concrete, it stands as a testament to modern technology. Featuring a striking curved glass window, this space is poised to host a diverse array of tenants, from a trendy cafe to health, beauty, and holistic practices. Embrace a harmonious blend of architectural advancement and versatile services at The Vicarage.



MIXED USE HOUSING

This medium to high density housing proof of concept showcases the benefits of 3D printing building technology.

Designed by Nine Thirty Architects, this multi-storey accommodation block was originally built with students in mind. Conjoined, multi-storey apartment living using 3D printed concrete panels are a natural fit for this kind of housing – its resilient and robust, warm and dry, and the natural insulative properties provided by concrete ensures excellent sound insulation: perfect for studying students.





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