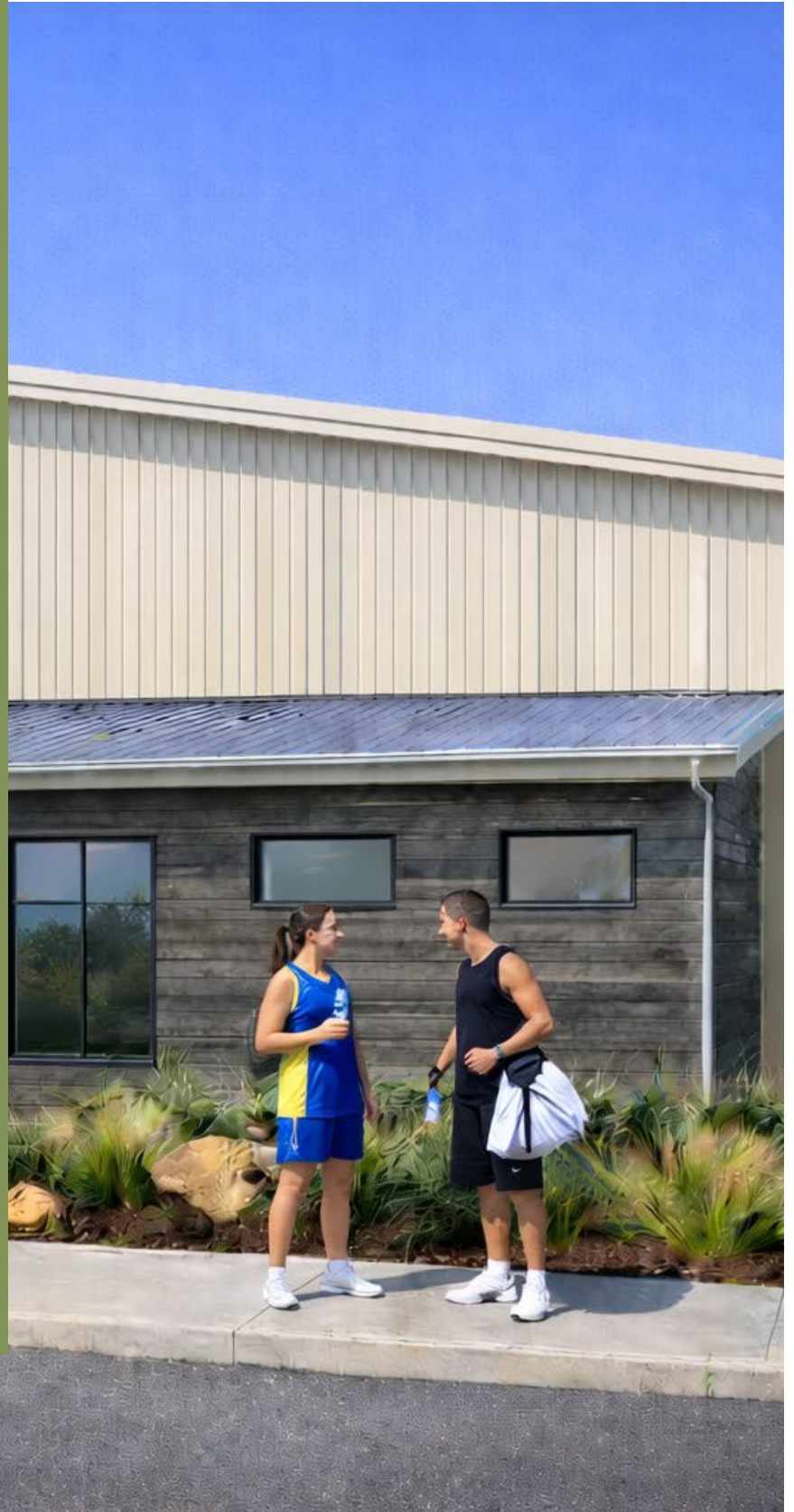




Timberlab 2.0

Standardised Sector

Solutions



Sports & Events Centre



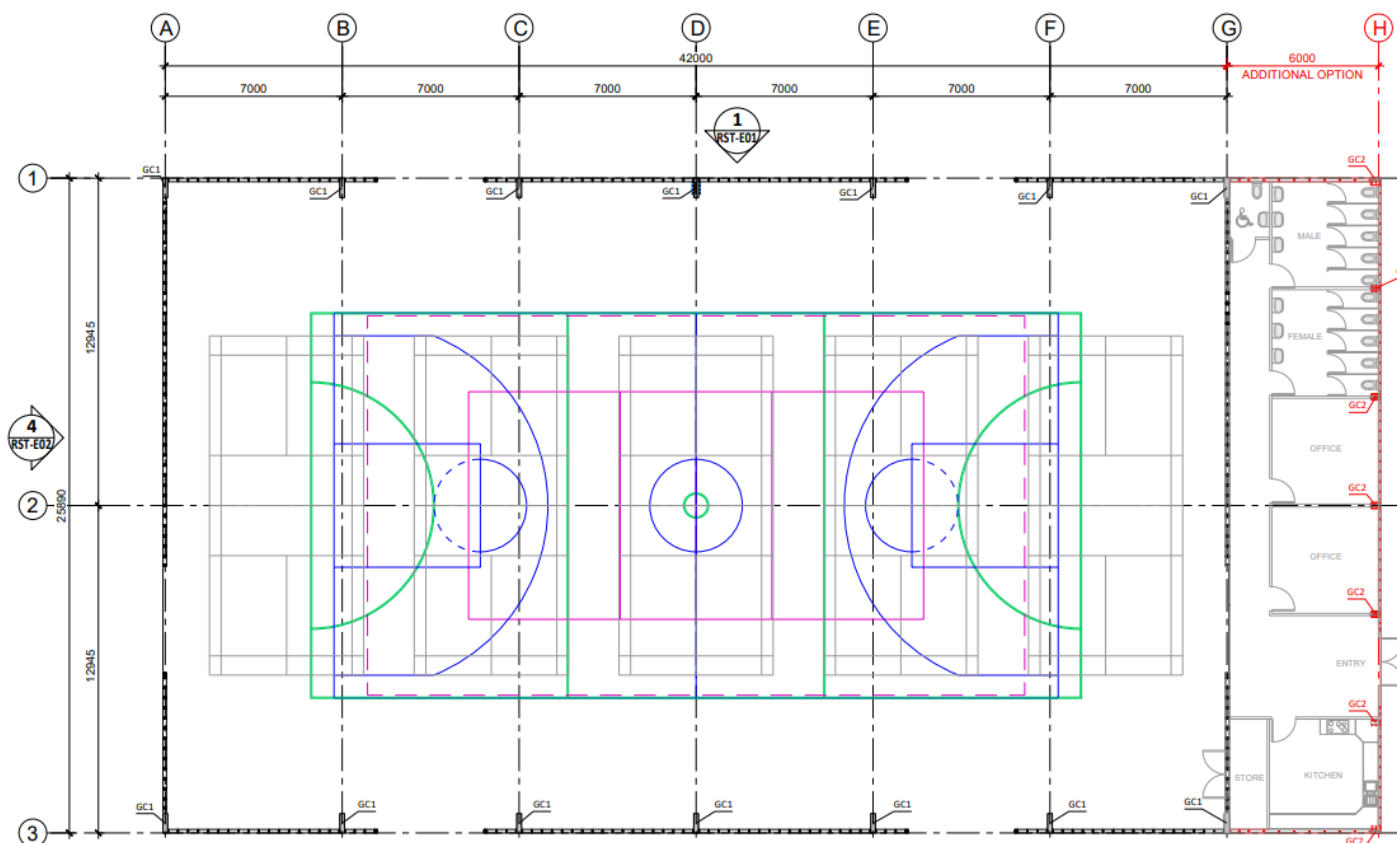
TIMBERLAB 2.0
RED STAG



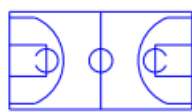
Sports & Events Centre

The Solution

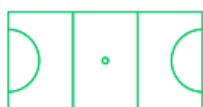
A large span, high clearance Glulam portal frame structure with an unobstructed floor area to suit a variety of uses. Suitable for school gymnasiums, indoor sports facilities, large event spaces for conferences/celebrations and for commercial & industrial uses where a high clearance open plan structure is required.



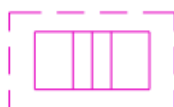
COURT LAYOUT



BASKETBALL COURT



NETBALL COURT



VOLLEYBALL COURT



BADMINTON COURT



Certainty of Cost

Cost certainty from a pre-designed standardized solution.



Certainty of Quality

Integrated design, supply, and construct for consistent quality.



Certainty of Time

Reduced lead times for both draughting & manufacturing.



Sustainable Advantage

Build using New Zealand's lowest carbon building products.



Features

- Glulam portals achieving visually stunning clear spans of up to 26m to suit regulation size professional sporting modes.
- 7.5m high internal knee height, 5-15 degrees. roof pitch.
- Bay spacing up to 7m.
- Optional lean-to structure for kitchen, toilets, offices and covered entry.
- Prefabricated main structure combined with precast walls for simple & fast construction.
- Modular design, suitable for building footprints from 600m² and up.
- Wide openings for double doors for egress with highlight windows for light & ventilation.
- New Zealand's lowest carbon construction solution.
- Design, supply, & Installation of the main structure by RSTL.

How it Works

Concept proposal

Red Stag Timberlab (RSTL) will take your project requirements and prepare a proposal showing building form, budget estimate and timeframes.

Structural design engagement

Customer to engage RSTL to proceed with Structural design.

Design submission

RSTL to complete the design submission suitable for BC. All other design elements, apart from the structure and slab/foundations are designed by Architect/customer in parallel.

Scope and pricing confirmation

Final Scope & Pricing can be confirmed upon completion of the updated structure design.

Head contractor engagement

Customer engages a head contractor to manage the building process, RSTL can be novated to a subcontract under the head contractor.

Site preparation and foundations

Contractor prepares site and completes construction of slab/foundations including all plumbing and electrical requirements.

Timber structure construction

RSTL completes timber structure including all portals, roof & wall framing including bracing. RSTL will provide all H&S and lifting equipment. *Options provided for supply only.*

External envelope and stormwater

Contractor completes the external envelope & stormwater plumbing.

Internal fitout and completion

Contractor completes the internal linings/fitout and all other requirements as per customer requirements to complete the building project.



Design Assumptions

- Standard design applicable to seismic zone 1 & 2 only, other zones by specific design.
- Designed to suit projects in wind zones up to and including High wind zone.
- Corrosion category A-C (marine environment/zone D will require swapping all metalwork fixings to stainless steel).

Whats Included

Structural design

Structural Design of complete timber structure including foundations + slab, portal frames, roof framing, infill walls & bracing. Geotechnical report provided by others per project. Design package includes structural drawings, design report & PS1.

3D & 2D coordination drawings

3D model & 2D working drawing set for timber frame and slab for trade coordination.

Full timber structural supply

Supply of complete timber structure (portals, roof framing, pre-nail/site-built walls, including all fixings/connectors and associated sundries. *Options provided for supply of pre-nail walls by others.*

Installation services

Installation services of above supply package, building a completed frame after having slab/foundation handed over by contractor, includes supply of all craneage, access and H&S equipment. *Options provided for supply only.*

By Others

- Architectural design including BC management.
- Project Management beyond supplied and installed scope.
- Geotechnical report sourcing.
- Exterior roofing or cladding, flashings, interior linings, interior fitout, electrical, plumbing, doors/glazing.

Other Timberlab 2.0 solutions

Ready to talk?

Get in touch with our team to discuss your next project...

Email – info@redstag.co.nz

Phone – **09 2539342**



Timberlab 2.0 – Standardised Sector Solutions – Sports & Events Centre