



SOUTHERN AFRICAN INSTITUTE
OF STEEL CONSTRUCTION



Build 26-6

Zululami House

THE PROJECT BRIEF

CLIENT: Private Client

ARCHITECTS: LevEco Architects

MAIN CONTRACTOR: JHC Projects

“The client was keen to explore LSF as the guiding structural system for the design of his home. The home had to be a modern farmhouse aesthetic, fit into a specific estate design code, but also show the uniqueness that LSF can bring to a design. The house needed some large areas such as a 4 x garage (open plan) and large loft spaces”

- Tracy Levinson, architect





“The LSF allowed us to have large expanse of open vaulted ceiling space, with minimal heavy and intrusive structure to hold it up. We also could achieve large openings in the walls without the usual large and expensive concrete beams. This helped create a beautiful, modern farmhouse home, that functions well in its coastal climatic zone. It allowed for more flexibility in how I laid out internal spaces within the building envelope. We could also easily achieve loft and mezzanine areas as requested by the client.”

- Tracy Levinson, architect

“LSF is an incredibly flexible way of building and allows more creativity when designing as you know larger spans and similar ideas don't come with large cost implications. There is a flexibility in the build process and variations are usually quite easy to achieve and fittings and fixtures can be moved around with relative ease compared to chopping and chasing brick walls. You also have some interesting cladding options which can enhance the aesthetic of the house and use the materials purposefully rather than merely there for aesthetic reasons. It also speeds up the construction process which has many benefits to both client and contractor. It can still be made to look very conventional but also has the opportunity to be used in different ways that I believe make a building more authentic and in the end, have an added value to it.”



“...in terms of energy ratings and environmental impacts, it appears to rate very highly when built correctly. This is the aim of most new buildings now, so using LSF can help one achieve this with ease.”

- Tracy Levinson, architect

THE PROJECT OVERVIEW



PROJECT OVERVIEW

STRUCTURAL STEELWORK

Project Completed: April 2024

Steelwork Completed: Nov 2023

Tonnage: 17,100kg

Profiles used: 89mm cold rolled



PROJECT OVERVIEW

STRUCTURAL STEELWORK

Structural Engineer: Barry Kriel Consulting

Steelwork Contractor: Build 26-6

Steel Detailer: Trumod

Steel Merchant/s: Trumod



PROJECT OVERVIEW

ROOF TRUSSES



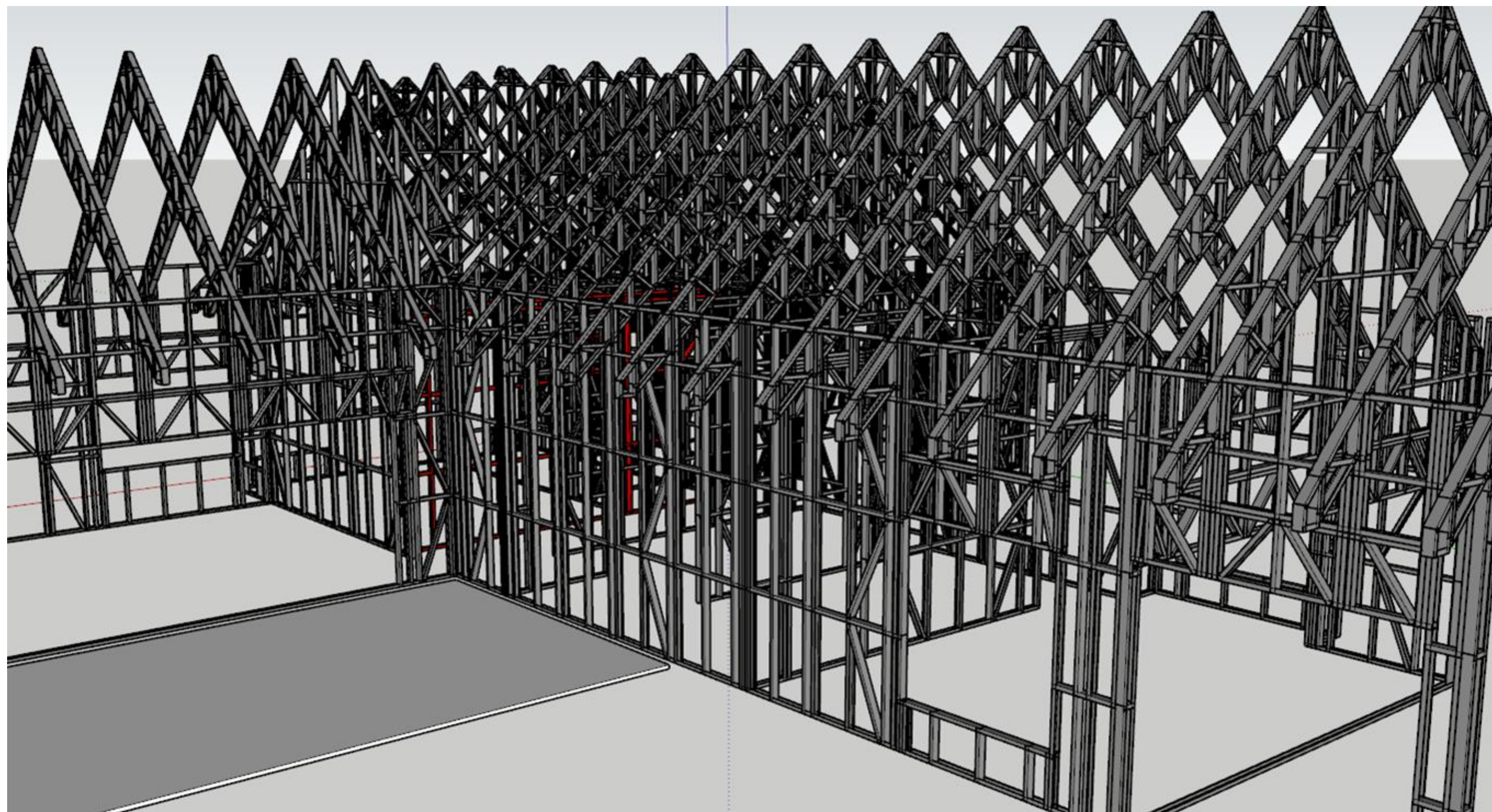
STRUCTURAL FRAMING

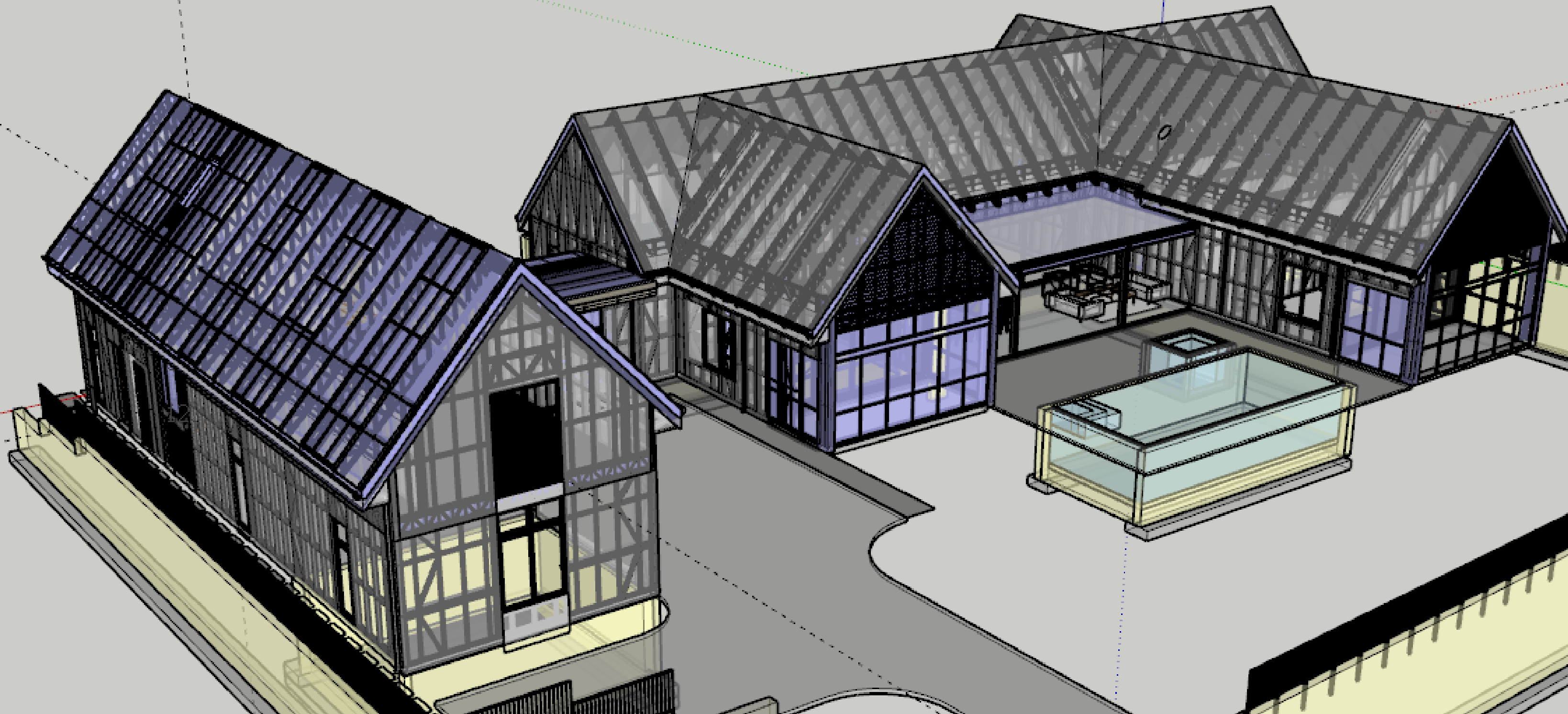
STRUCTURAL ENGINEER: J3 Engineering

STEELWORK CONTRACTOR: Build 26-6

STEEL DETAILER: Trumod







FABRICATION

STEELWORK SUPPLIER: Trumod





ERECTION /
CONSTRUCTION /
INSTALLATION

CONTRACTOR: Build 26-6

Start of erection, beginning of June 2023



One Month into the Erection



Two months in, end of July 2023



Phase 2, garage, underway



Finishing begins on interior vaulted ceilings.



Finished vaulted ceiling



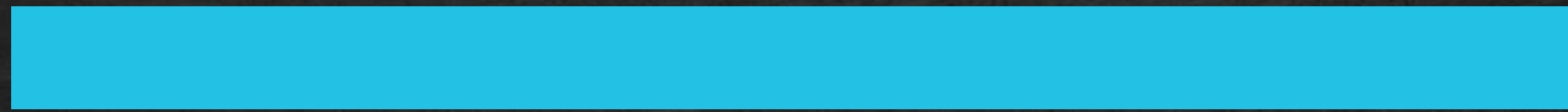
Exterior work progressing on the main house



Finished Elevation

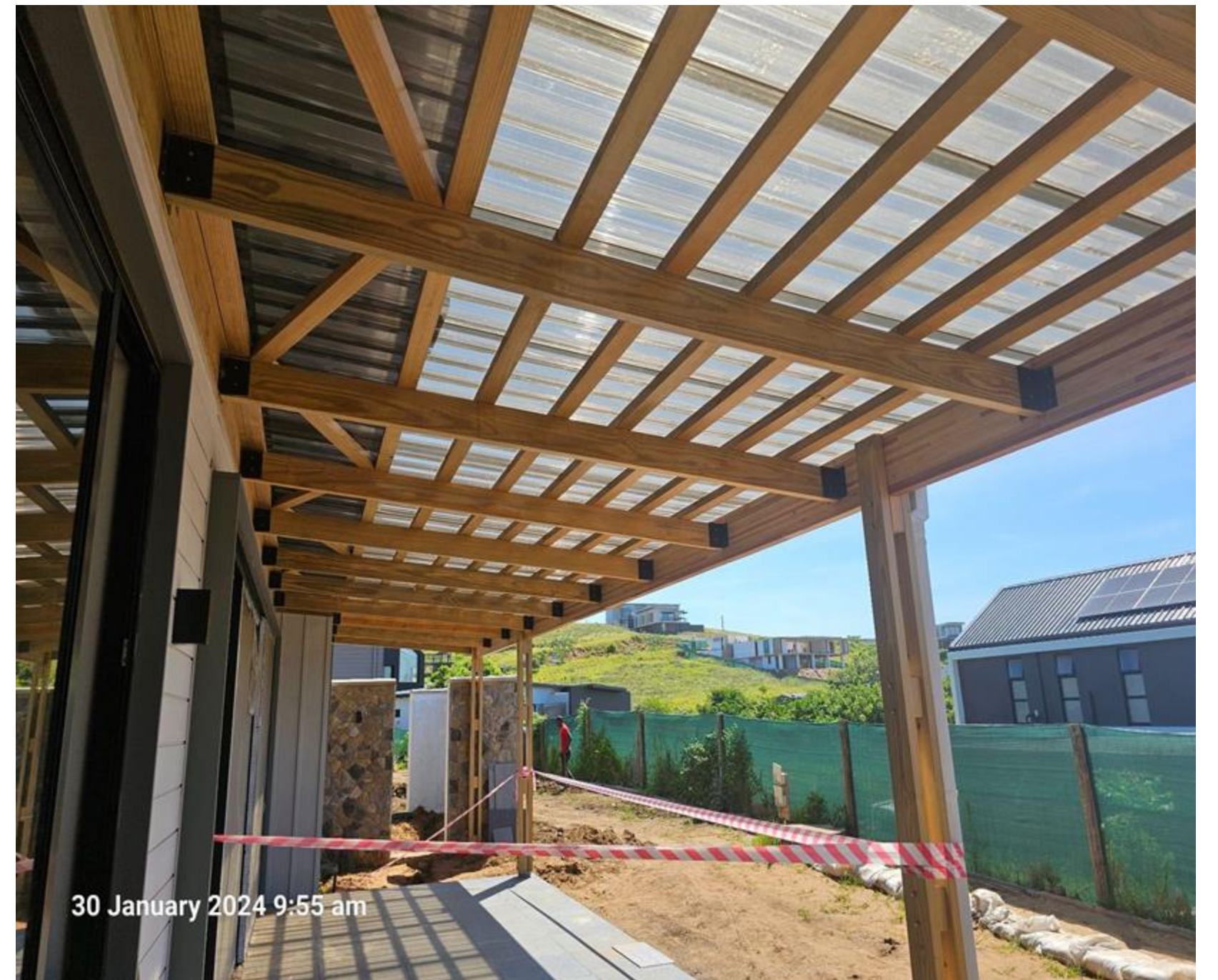
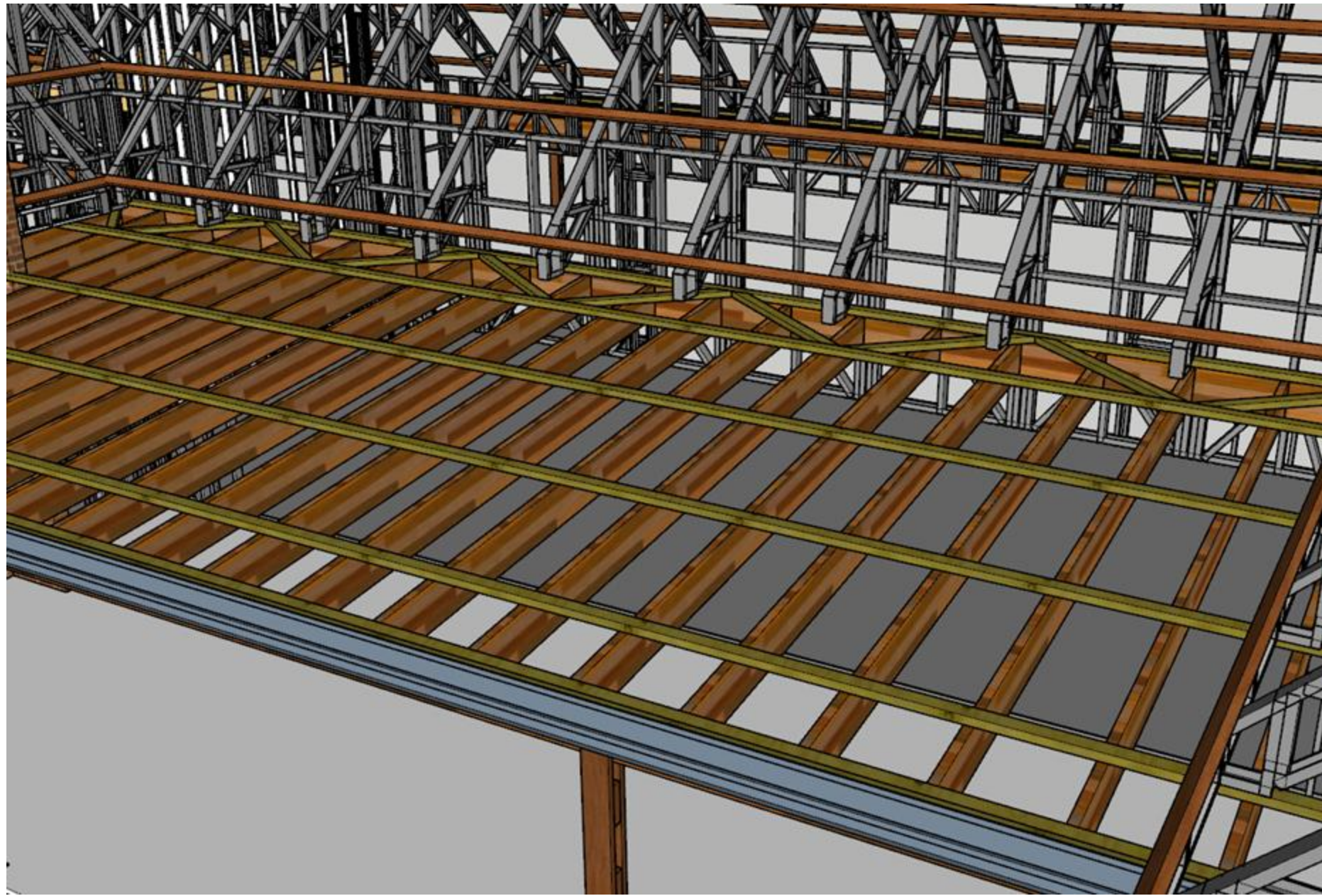


CHALLENGES AND SOLUTIONS



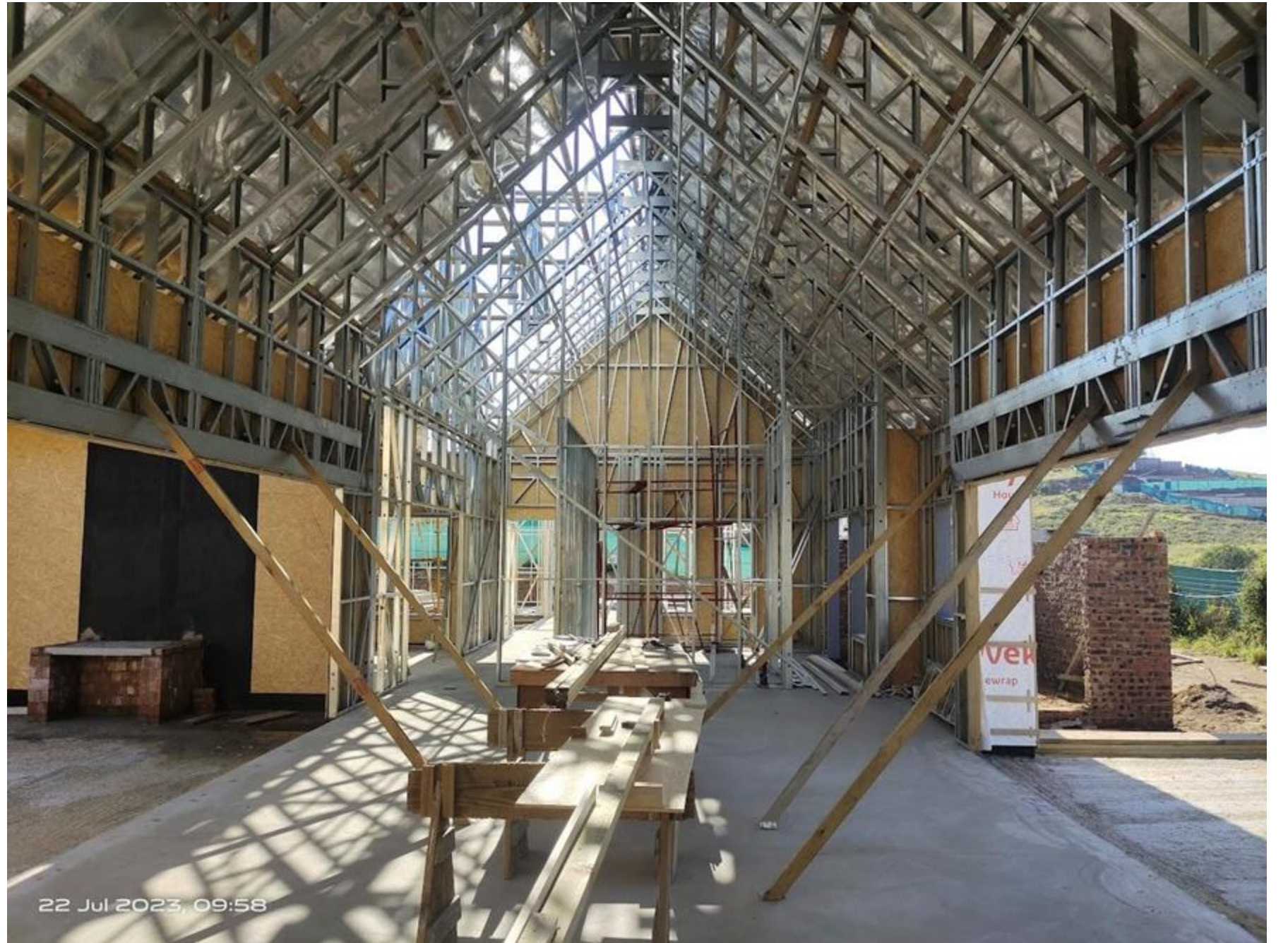


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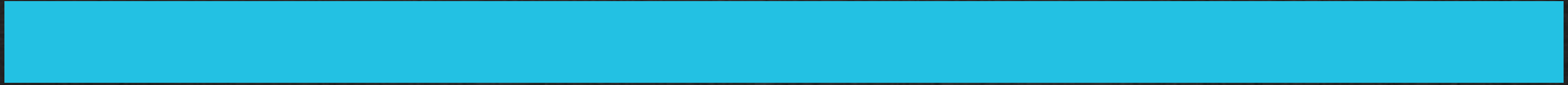


THE BENEFITS OF STEEL IN THIS APPLICATION





WHAT WE'RE PROUD OF





22 February 2024 9:29 am



29 November 2023 9:45 am

