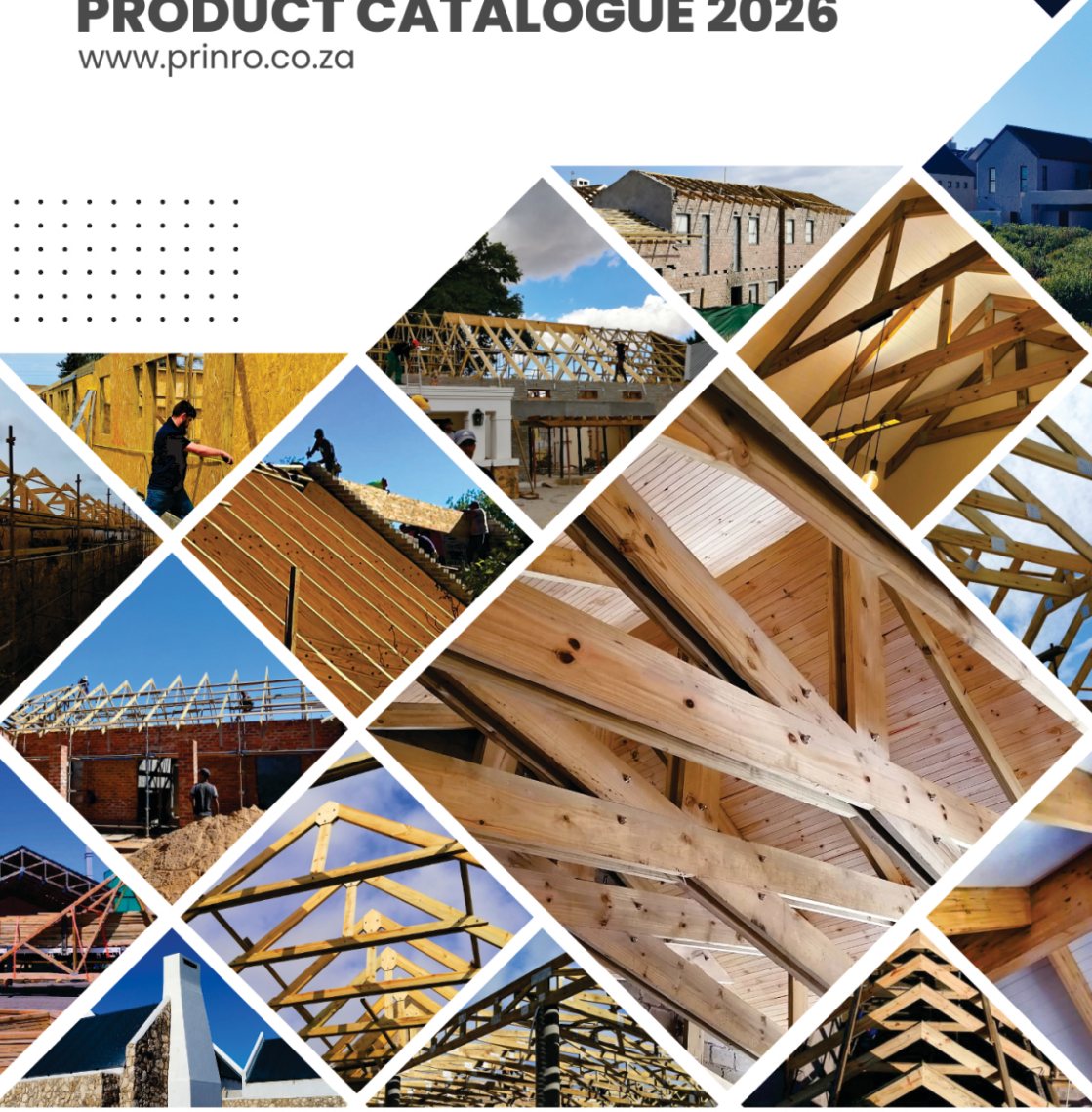
PRINRO TRUSSES

PRODUCT CATALOGUE 2026

www.prinro.co.za



ITC SA Fabricator Member
Institute for Timber Construction South Africa

ECSA
Engineering Council of South Africa

MiTek®

saice
HERITAGE ENGINEERING PEOPLE

SABS APPROVED

TABLE OF CONTENT

About Us	1
What We Do	2
Meet the Team	3
Truss Terminology	4
Timber Products	6
Connection Types	7
Raised Tie Truss	8
Scissor Trusses	10
Ridge Beam & Rafters	12
Tensioner Trusses	13



PRINRO TRUSSES

ABOUT US

At Prinro Trusses, we are dedicated to offering a comprehensive turnkey solution for roofing your new home. Since our founding in 1999, we began with a straightforward vision: to design and manufacture timber trusses. Over the years, this vision has evolved significantly. We now specialize in not only designing and manufacturing basic timber trusses but also in creating exposed trusses and specialized connections that enhance the aesthetic appeal of your home.

Utilizing the latest MiTek Pamir software and operating from our Category A truss plant, we adhere to core values of delivering high-quality trusses, professional workmanship, and exceptional customer satisfaction. We strictly follow national building codes and go the extra mile to ensure that your roofing project achieves the exact look and functionality you envision for your new home.

Our expertise extends to exposed trusses, offering a variety of connection types to match your design preferences. For those on a budget, we also provide cost-effective standard roofing solutions, accommodating any shape or size.

With our team of truss design specialists and structural engineer, we provide on-site assistance to ensure that your roof is installed in compliance with building regulations. We can also certify your roof with a Regulation A19 inspection, ensuring you receive all the necessary documentation for occupancy.

Ready to transform the look of your new home? Contact one of our sales consultants today or visit our website at *www.prinro.co.za* to learn more about how we can help bring your vision to life.

PRINRO TRUSSES

33 Proses Street
Vredenburg
022 - 715 1426

Engineering
067 898 6191

Truss Department
trusses@prinro.co.za
068 228 2182

WHAT WE DO

DESIGN

At the Trusses Department, we use advanced MiTek Pamir Software to design roofs that meet the latest SANS codes. During the quotation phase, we provide 3D models so you can preview your roof before construction.

ESTIMATE

We estimate all materials required for your roofing project. Our sales consultants then use these quantities to provide competitive pricing, ensuring that every material is SABS-approved and of the highest quality

MEASURE

For each manufacturing order, we perform a detailed site visit to measure your building's dimensions precisely. This ensures our final product fits your structure perfectly and integrates seamlessly

CONSULT

For custom truss designs, we provide expert consultations to ensure your roof meets all requirements. We coordinate with your engineer to confirm structural support and with your architect to align with design specifications.

MANUFACTURE

At our Category A plant, our team receives specialized training from experts to ensure top-quality manufacturing. We undergo annual audits to rigorously assess our adherence to ITC guidelines.

SUPPLY

With our extensive fleet of trucks, we ensure timely delivery right to your doorstep. For custom designs exceeding standard truss heights, we offer specialized delivery services to meet your needs.

ASSISTANCE

We offer on-site assistance throughout your roofing installation. Our skilled team, including experienced designers and a structural engineer, works closely with your carpenter to ensure compliance with SANS codes.

CERTIFY

Our structural engineer provides a Form 3 for each roof, ensuring compliance with SANS codes. We also offer a post-installation inspection and provide documentation to assist with occupancy approval for your new home.

MEET THE TEAM

Meet our dedicated team of professionals who bring expertise and passion to every project. Our skilled designers craft innovative solutions, while our experienced structural engineer ensures structural integrity and code compliance. Together with our knowledgeable consultants and meticulous support staff, we are committed to delivering exceptional results and ensuring your roofing project exceeds expectations.



Jason Howells
Truss Division Manager



Conrad van Zyl
Structural Engineer



Robert Cockrell
Truss Designer



Arnu van Loggerenberg
Truss Designer



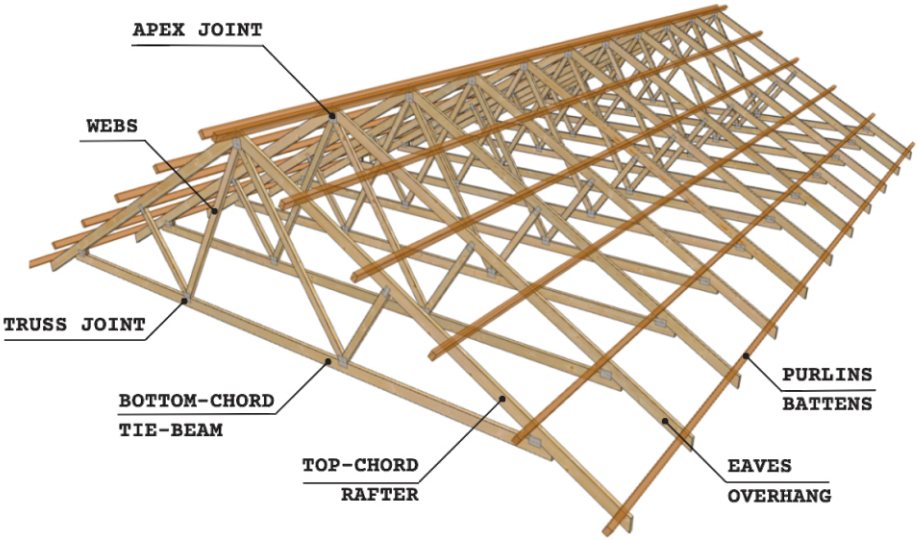
Christo Visser
Plant Supervisor

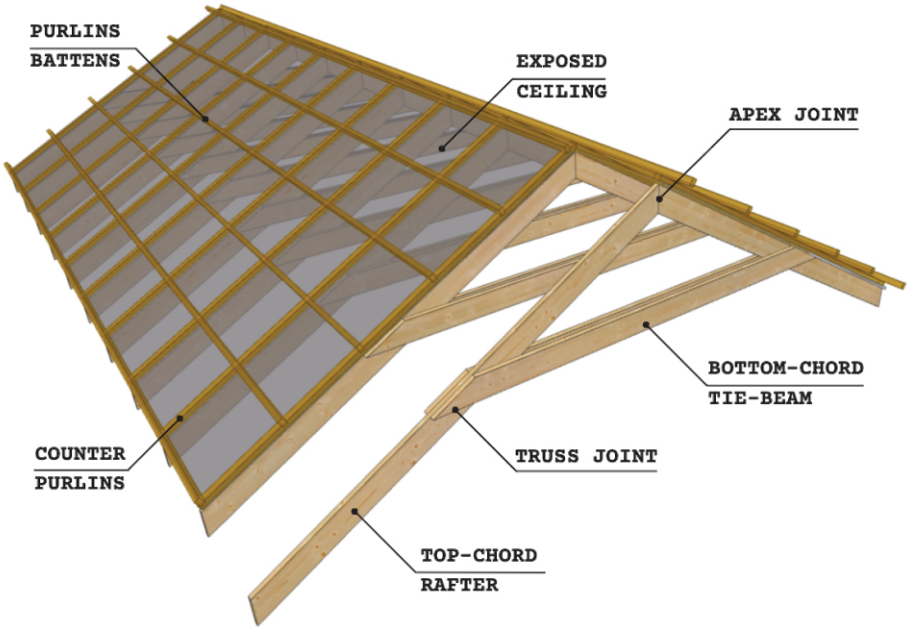


Jeremy Syster
Truss Designer

TRUSS TERMINOLOGY

Before selecting the truss design that best suits your needs, it's important to familiarize yourself with roofing terminology. Understanding these terms will facilitate clearer communication between you and our truss designers, helping to ensure that your vision for your new home is realized with precision.





PRINRO TRUSSES

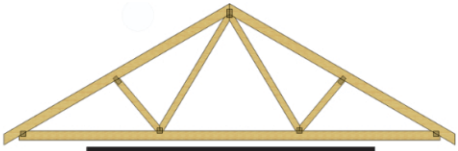
33 Proses Street
Vredenburg
022 - 715 1426

Engineering
067 898 6191

Truss Department
trusses@prinro.co.za
068 228 2182

TRUSS TERMINOLOGY

Now that you're acquainted with roofing terminology, it's essential to explore the different types of trusses available to you. Each truss type offers various connection options to match your personal style and preferences. However, it's important to be aware that each truss type has its own limitations. To ensure you make the best choice, consult with one of our specialist truss designers, who can provide detailed guidance and help clarify any constraints associated with each truss type.



STANDARD PROFILE

This is the most widely used and cost-effective truss type in our range, making it an ideal choice for projects where budget considerations are a priority. However, please note that this truss is not suitable for exposed applications.



RAISED TIE PROFILE

Popular along the West Coast, this type of exposed truss adds a striking "double volume" effect to your room. It is also ideal for loft or attic areas, as it helps to create additional height in your upper-floor rooms.



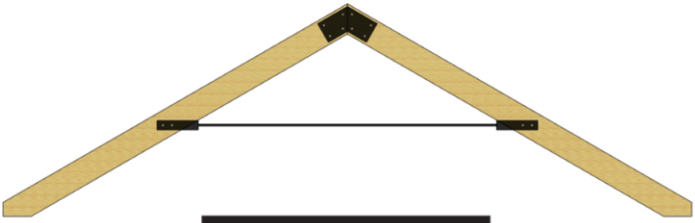
SCISSOR PROFILE

This truss is ideal for exposed rooms with large spans, offering a distinctive "cathedral" look. The design not only enhances the visual appeal of your space but also provides an elegant effect that complements expansive interiors



RIDGE BEAM & RAFTERS

The apex beam with rafters creates a unique exposed look. This design is well-suited for more intricate layouts where the exposed area extends beyond a simple square room, adding an architectural flair to complex spaces



TENSIONER PROFILE

One of our specialties is the combination of timber and steel members, offering a industrial aesthetic. This option is perfect for achieving a modern look. However, this truss type has certain limitations and is the most expensive within our range

TIMBER PRODUCTS

We offer two types of timber for our trusses: the well-known SA Pine and Laminated Timber, each selected for its durability and performance. All our timber products are SABS-approved and undergo treatment to enhance their longevity, ensuring they withstand harsh environmental conditions and resist attacks from organisms. This guarantees that you receive only the highest quality structural timber.



SA PINE TIMBER

The familiar SA Pine timber is the more cost-effective option among our structural timbers. It is treated with CCA (Copper Chrome Arsenate), which imparts a distinctive green look and provides enhanced protection against environmental factors. During the truss manufacturing process, all exposed timber is planed (PAR) to achieve a smooth finish, making it easier to paint or varnish.

This timber comes in a wide variety of sizes:

- 38 x 38 mm
- 38 x 50 mm
- 38 x 76 mm
- 38 x 114 mm
- 38 x 152 mm
- 38 x 228 mm
- 50 x 76 mm
- 50 x 152 mm
- 50 x 228 mm



LAMINATED TIMBER

When a high-strength timber is essential for your roof design, Laminated Timber is the ideal choice. Made from layers of wood bonded together with adhesives, it features distinctive lines that give it a unique and attractive appearance. This timber is treated with Azuri/Vacsol, a clear treatment method that does not produce the green hue typical of SA Pine. Laminated Timber is commonly used in trusses and is particularly favored for ridge beams due to its superior strength and durability.

This timber comes in a wide variety of sizes:

- 65 x 231 mm
- 65 x 297 mm
- 65 x 363 mm
- 65 x 462 mm
- 40 x 231 mm
- 40 x 297 mm
- 40 x 363 mm

More sizes are available for custom designs

PRINRO TRUSSES

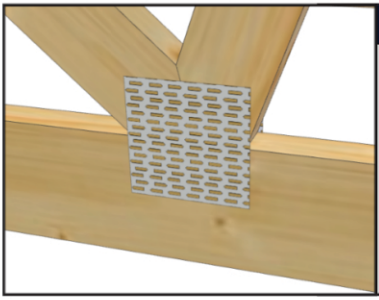
33 Proses Street
Vredenburg
022 - 715 1426

Engineering
067 898 6191

Truss Department
trusses@prinro.co.za
068 228 2182

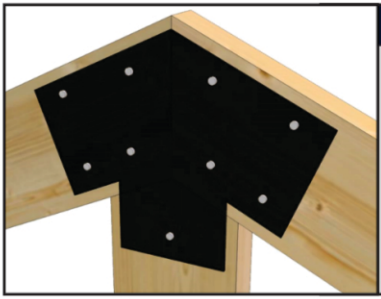
CONNECTION TYPES

For each truss type, you can choose the connection style that best matches your taste, enhancing the overall appearance of your truss. With the tools at your disposal, you can now customize your truss by selecting the truss type, timber type, and connection style that best fit your preferences.



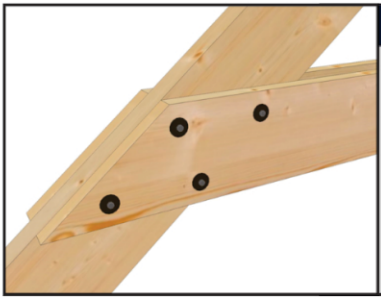
NAIL PLATES

For a cost-effective connection option, the nail plate connection is an excellent choice. Primarily used for standard trusses, it is less labor-intensive compared to other connection types. While it can also be used for exposed trusses, opting for a different connection type may enhance the aesthetic appeal of your exposed trusses more effectively.



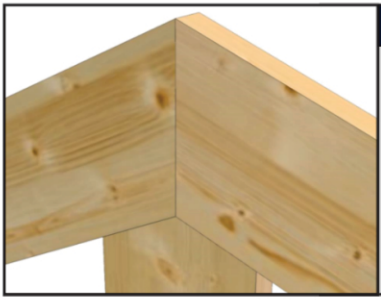
GUSSET BRACKETS

If nail plates are not to your taste, the next best option is gusset brackets. These brackets are laser-cut and can be either galvanized or powder-coated in a color of your choice. They are secured with M12 dome nuts and round washers, providing a visually appealing finish. Similar to nail plates, gusset brackets can be used at any joint of your exposed trusses, offering both functionality and aesthetic enhancement.



BOLTED DOUBLE MEMBERS

To transform your truss from a basic 2D triangle into a striking 3D design, the bolted double-member connection is ideal. This method involves doubling up members and securing them with M12 dome nuts and round washers for added visual impact. It's often paired with gusset plates to enhance the overall look, though the doubling up is suitable for specific truss members only.



CONCEALED SECRET FIX

One of our specialties is the secret fix truss, which offers a sophisticated timber finish with no visible connections. Designed by our engineers, this method uses countersunk screws to join the truss members, hiding the screws within the timber. The result is a sleek, clean appearance that highlights the natural beauty of the wood while providing a seamless, polished look

RAISED TIE TRUSS

NAIL PLATED

This is the most commonly used exposed truss on the West Coast, valued for its cost-effectiveness due to the use of nail plates, which enable you to achieve the desired exposed look at an affordable price.



GUSSET BRACKETS

If nail plates aren't to your taste and you're willing to invest more for a visually appealing exposed look, using gusset brackets is an excellent alternative. You can choose the bracket color to match your style.



PRINRO TRUSSES

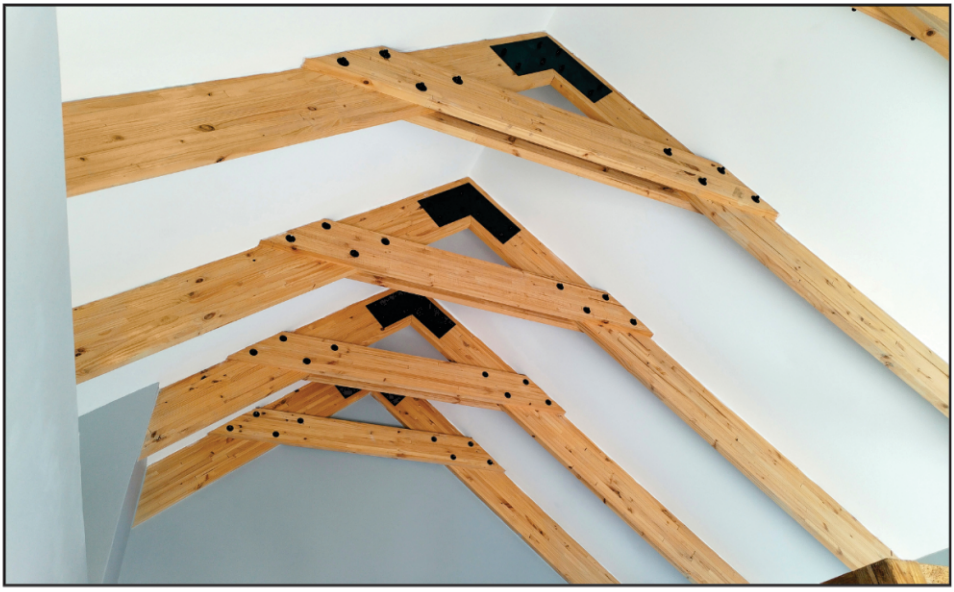
33 Proses Street
Vredenburg
022 - 715 1426

Engineering
067 898 6191

Truss Department
trusses@prinro.co.za
068 228 2182

BOLTED DOUBLE MEMBERS

To transform your truss into a striking 3D element, consider using double-bolted members. For the apex connection, you have the option of a gusset bracket or a concealed fix—it's entirely up to you!



CONCEALED FIX

If you prioritize a timber aesthetic for your exposed area, the concealed secret fix is your best choice. This method uses screws hidden within the timber, allowing you to achieve a seamless, natural look.



PRINRO TRUSSES

33 Proses Street
Vredenburg
022 - 715 1426

Engineering
067 898 6191

Truss Department
trusses@prinro.co.za
068 228 2182

SCISSOR TRUSSES

NAIL PLATED

The most cost-effective solution for a scissor exposed truss is to utilize nail-plated connections. By opting for nail plates, you can enjoy the desired aesthetic while ensuring structural integrity and efficiency.



CONCEALED FIX

If you prefer to avoid visible connections and want a clean look, the concealed fix is the perfect choice for you. This method ensures that all hardware is hidden, providing a seamless and elegant finish



PRINRO TRUSSES

33 Proses Street
Vredenburg
022 - 715 1426

Engineering
067 898 6191

Truss Department
trusses@prinro.co.za
068 228 2182

BOLTED DOUBLE MEMBERS

For a stunning cathedral look with double-bolted cross members, this scissor truss is the ideal choice for large-span exposed areas. Its design not only enhances the visual appeal but also provides the structural support needed for expansive spaces.



RIDGE BEAM & RAFTERS

CONCEALED FIX

Using the same method employed in concealed fix trusses, we also offer a secret fix solution for ridge beam and rafter configurations. This approach utilizes hidden screws, eliminating the need for visible brackets at the connections, resulting in a clean and streamlined appearance.



RAISED TIE SUPPORTS

In some cases, the span for the ridge beam may be too long for a solid timber beam. To address this, we utilize trusses that support the ridge beam, allowing for increased spacing between the trusses while maintaining structural integrity and stability.



PRINRO TRUSSES

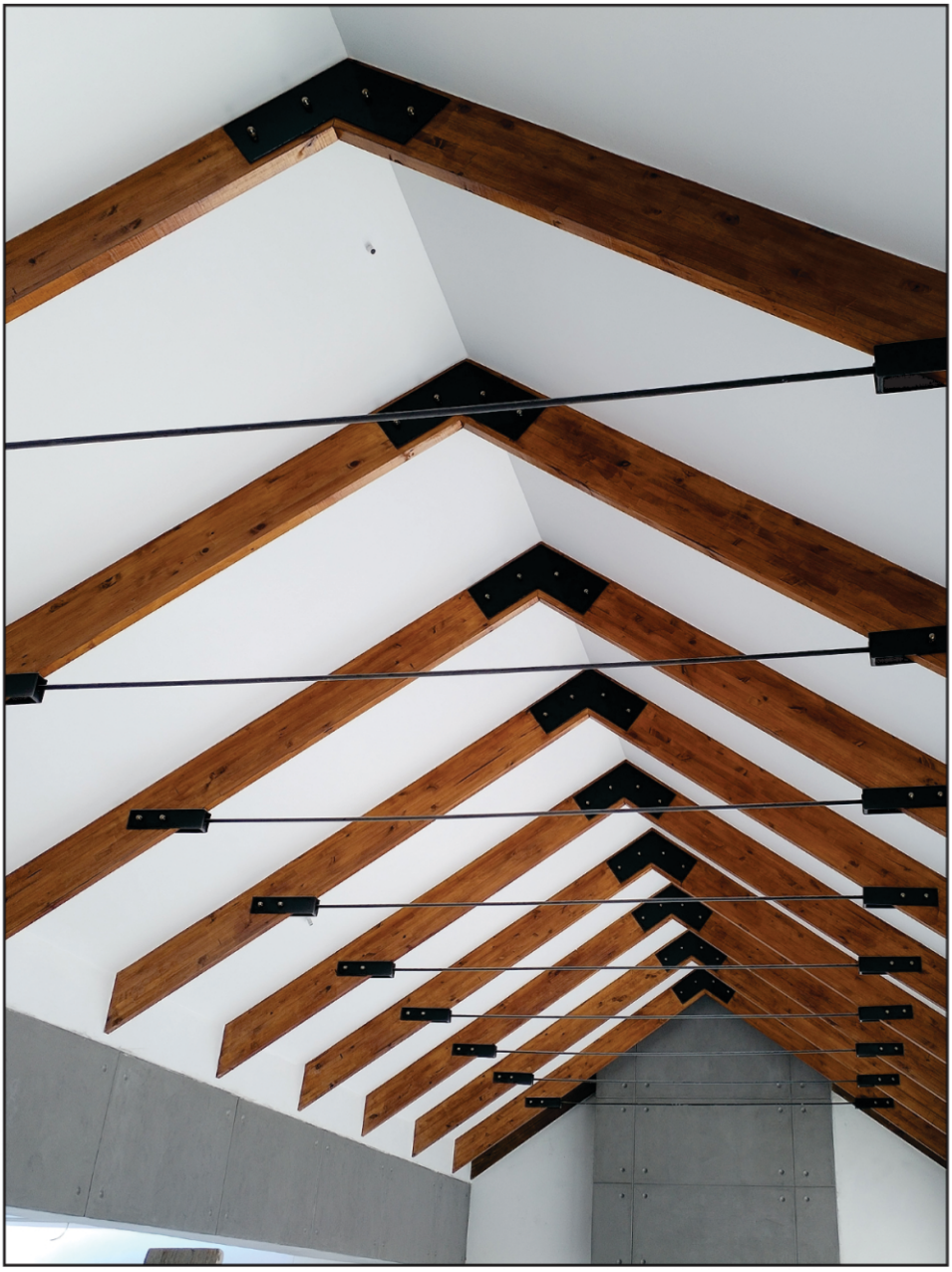
33 Proses Street
Vredenburg
022 - 715 1426

Engineering
067 898 6191

Truss Department
trusses@prinro.co.za
068 228 2182

TENSIONER TRUSSES

By replacing the bottom chord of the truss with a steel rod and brackets, the rod is tensioned to ensure structural integrity and stability. While this truss type is the most expensive in our range and requires considerable manufacturing time, it offers a striking industrial modern look for your exposed area.



PRINRO
"The Building material family, there for you"

PRINRO TRUSSES

PRINRO ALUMINIUM (PTY) LTD

37 Proses Street, Vredenburg
022 100 1601 (Switch Board)
sales.aluminium@prinro.co.za

PRINRO DECKING (PTY) LTD

27 Church Street, Velddrif
022 783 0086 (Switch Board)
sales.decking@prinro.co.za

Vredenburg Branch

33 Proses Street, Vredenburg
022 715 1426 (Switch Board)
info@prinro.co.za

Langebaan Branch

191 Oostewal Road, Langebaan
022 772 2334 (Switch Board)
kerie@prinro.co.za

Velddrif Branch

27 Church Street, Velddrif
022 783 0086 (Switch Board)
jaco@prinro.co.za