



Harvey Roofing Products

**Kruger National Park - Skukuza Rest Camp Refurbishment,
Mpumalanga**

THE PROJECT BRIEF

CLIENT: South African National Parks

ARCHITECTS: KWP Create

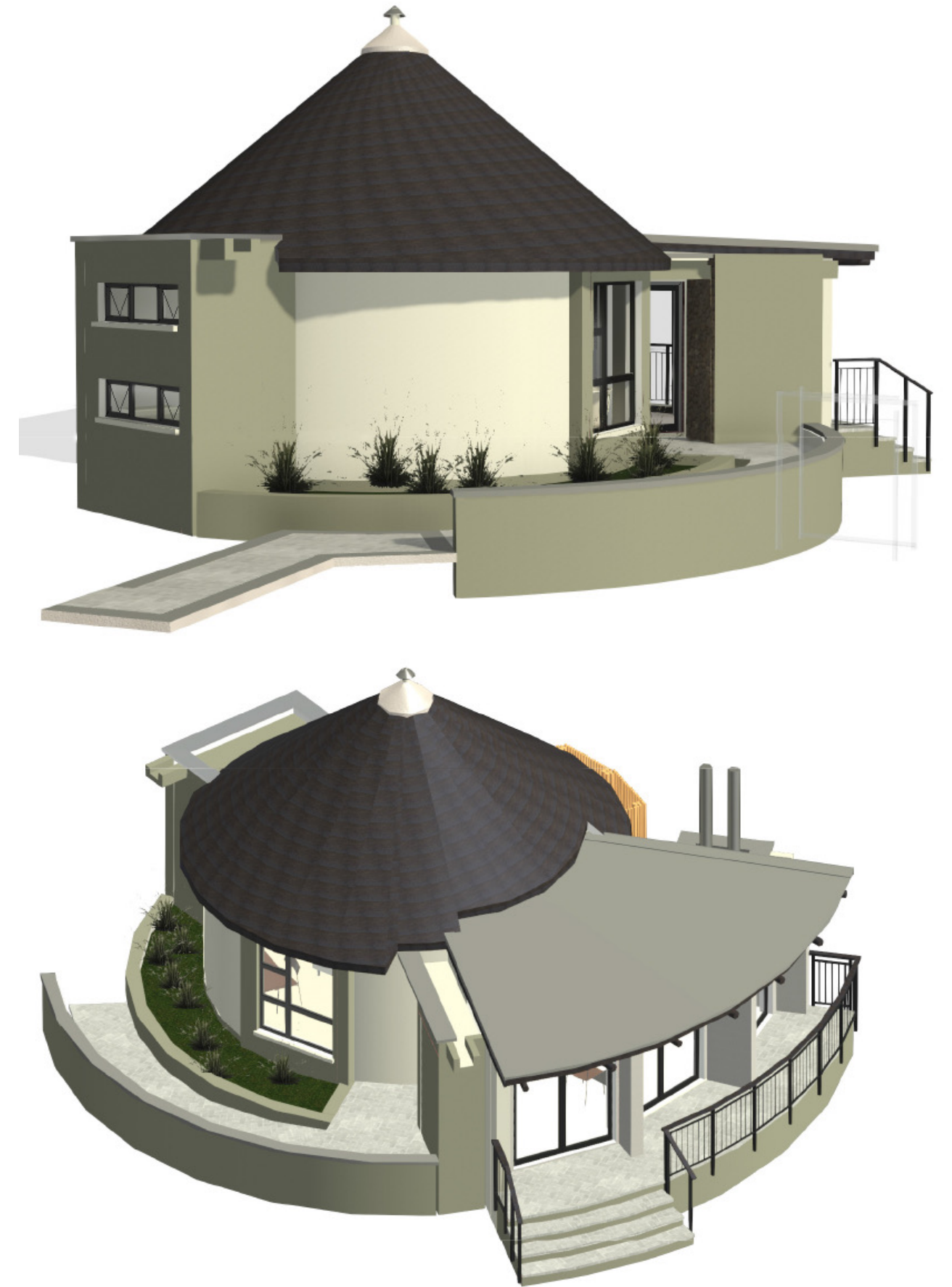
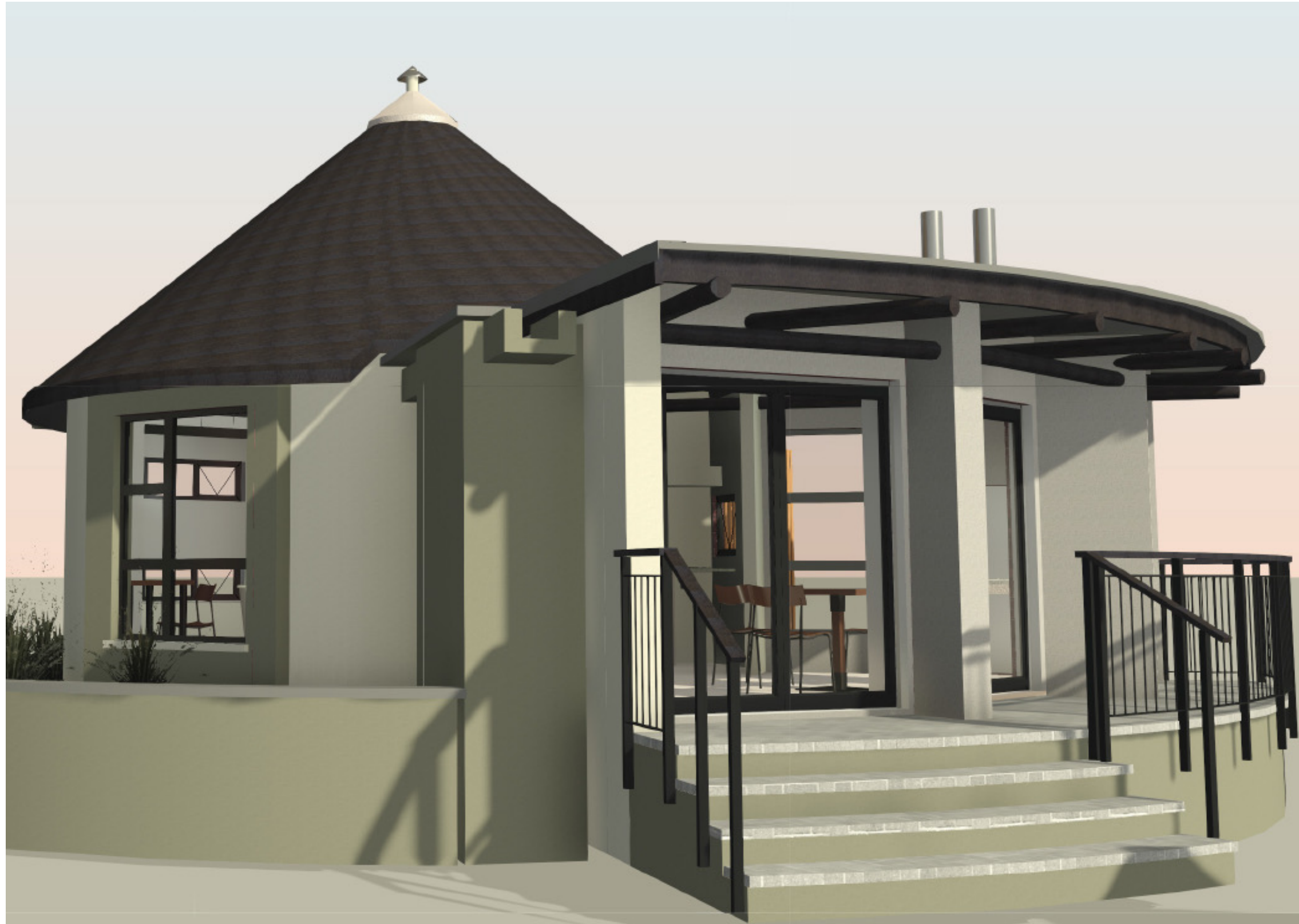
MAIN CONTRACTORS:
Riendzo Renene Group & Ntlemo Projects

THE PROJECT BRIEF

- Upgrade and modernize the 216 existing rondavel accommodation units in Skukuza's main tourist camp.
- Create contemporary accommodation amenities for discerning international and local visitors.
- Retain the 'African Safari' aesthetic that visitors are attracted to.
- Provide a lower maintenance alternative to existing infrastructure.



216
Rondavel
Units in total



Initial Conceptual Render

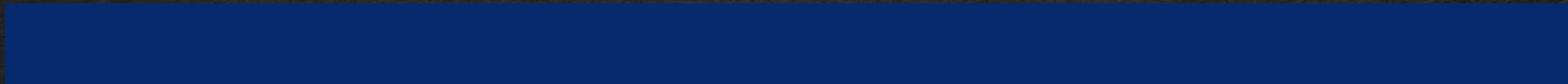
kwpCREATE was appointed to upgrade and modernize a number of the existing rondavel units in Skukuza's main tourist camp.



Initial Conceptual Render

The addition of a built-out nook for extra bed-space, an enclosed patio and a balcony helped to enlarge the initial cramped rondavel units.

THE PROJECT OVERVIEW



PROJECT OVERVIEW

METAL CLADDING AND ROOFING

Project First Phase Completed (expected): End of July 2024

Cladding Material Used: Harvey Tile, Greystone Stonecoat

Cladding Profile: Thatch

Cladding Area Coverage: 48,297 m²/unit.

$$\therefore 48,297 \text{ m}^2 \times 216 \text{ units} = 10\,432\,152 \text{ m}^2$$

Cladding Tonnage: 6,9 kg/m²

$$\therefore 10\,432,152^2 \times 6,9 \text{ kg/m}^2 = 71\,981,85 \text{ kg of steel roof tiles}$$

in total



In-situ example of product

METAL CLADDING/ ROOFING

CLADDING MANUFACTURER: Harvey Roofing Products

CLADDING ROLL FORMER / PROFILER: Harvey Roofing Products

CLADDING/ ROOFING SUPPLIER: Harvey Roofing Products

CLADDING/ ROOFING CONTRACTOR: Riendzo Renene Group & Ntlemo Projects











FABRICATION

STEELWORK CONTRACTOR: HARVEY ROOFING PRODUCTS

Press



Phosphate process



Coating line



Coating line



Drying Owens



Accessories coating and drying line



ERECTION / CONSTRUCTION / INSTALLATION

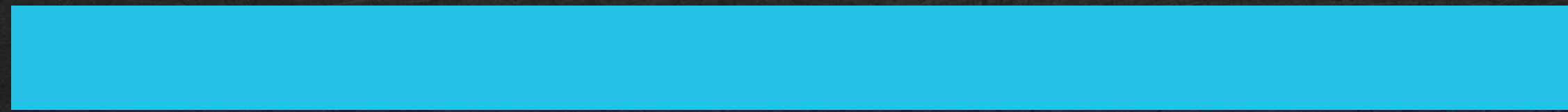
CONTRACTOR: Riendzo Renene Group & Ntlemo Projects







CHALLENGES AND SOLUTIONS

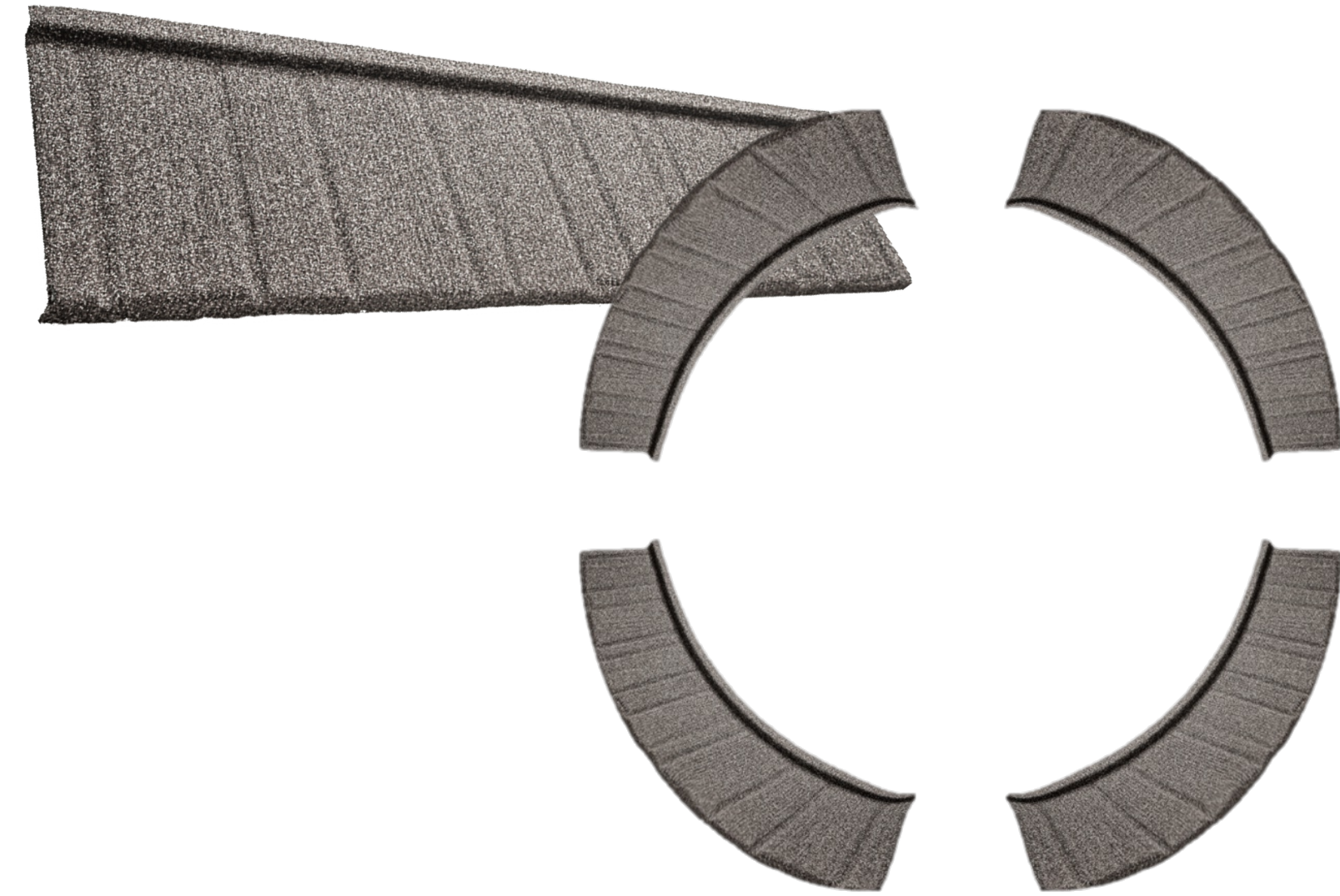


CHALLENGES & SOLUTIONS

- Curved Roofs

Manipulating a straight-edge product to conform to the acute conical shape of the roof. Harvey Thatch roof tiles' steel substrate allowed the product to be bent and shaped to retain the classic rondawel shape.

Harvey Thatch's Angle Ridge accessory both concealed and allowed the tile edge joins to conform to the conical shape.



CHALLENGES & SOLUTIONS

- Roof joins to built-out nooks and patios

The design called for the conical-shaped rondawel roofs to join the angular built-out nooks and patio roofs.

Harvey Thatch roof tiles are easily cut to any shape on a custom basis around the required shapes. The joins were concealed with another Harvey Thatch accessory, the pre-manufactured Cover Flashing.





CHALLENGES & SOLUTIONS

- Original Roof Caps



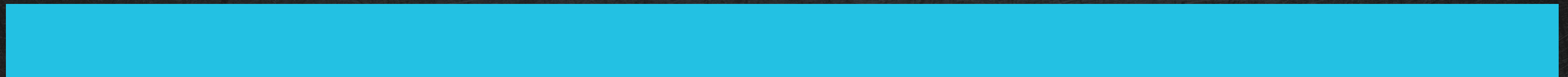
The client insisted that the original roof caps be retained for continuity.

Because Harvey Thatch's flexible steel substrate, the product could be easily cut and shaped to fit under the solid roof caps.



The result is a seamless, attractive finish that is also weatherproof.

THE BENEFITS OF STEEL IN THIS APPLICATION



REDUCED FIRE RISK

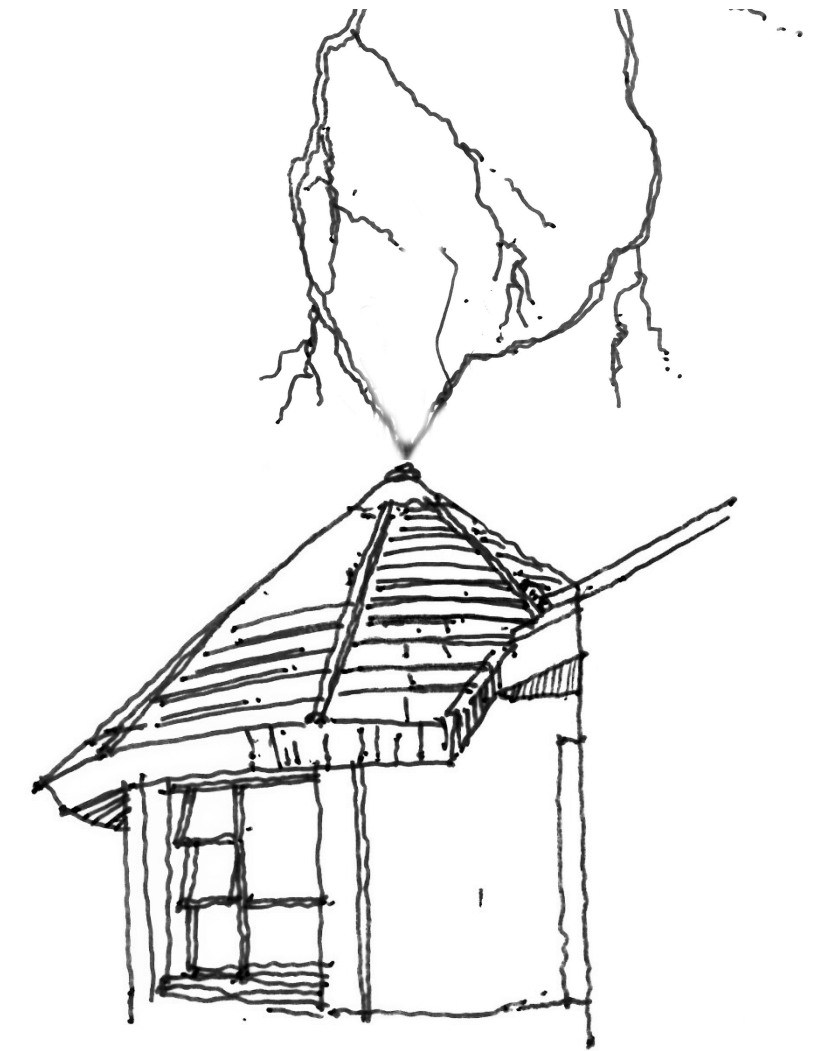
Original natural thatch is highly flammable and at risk from lightning strikes.

Harvey Thatch has a 'A-Class' Fire Rating which reduces fire risk.

Harvey Thatch is Lightning Safe and cannot ignite.



**COMBUSTIBLE
NATURAL THATCH**



**FIREPROOF HARVEY
THATCH**

EASE OF INSTALLATION

With 216 units to be refurbished, installation is expedited by Harvey Thatch's ease and speed of installation.

The product is bendable and easily cut to facilitate unusual shapes required, without the need for specialist machinery.

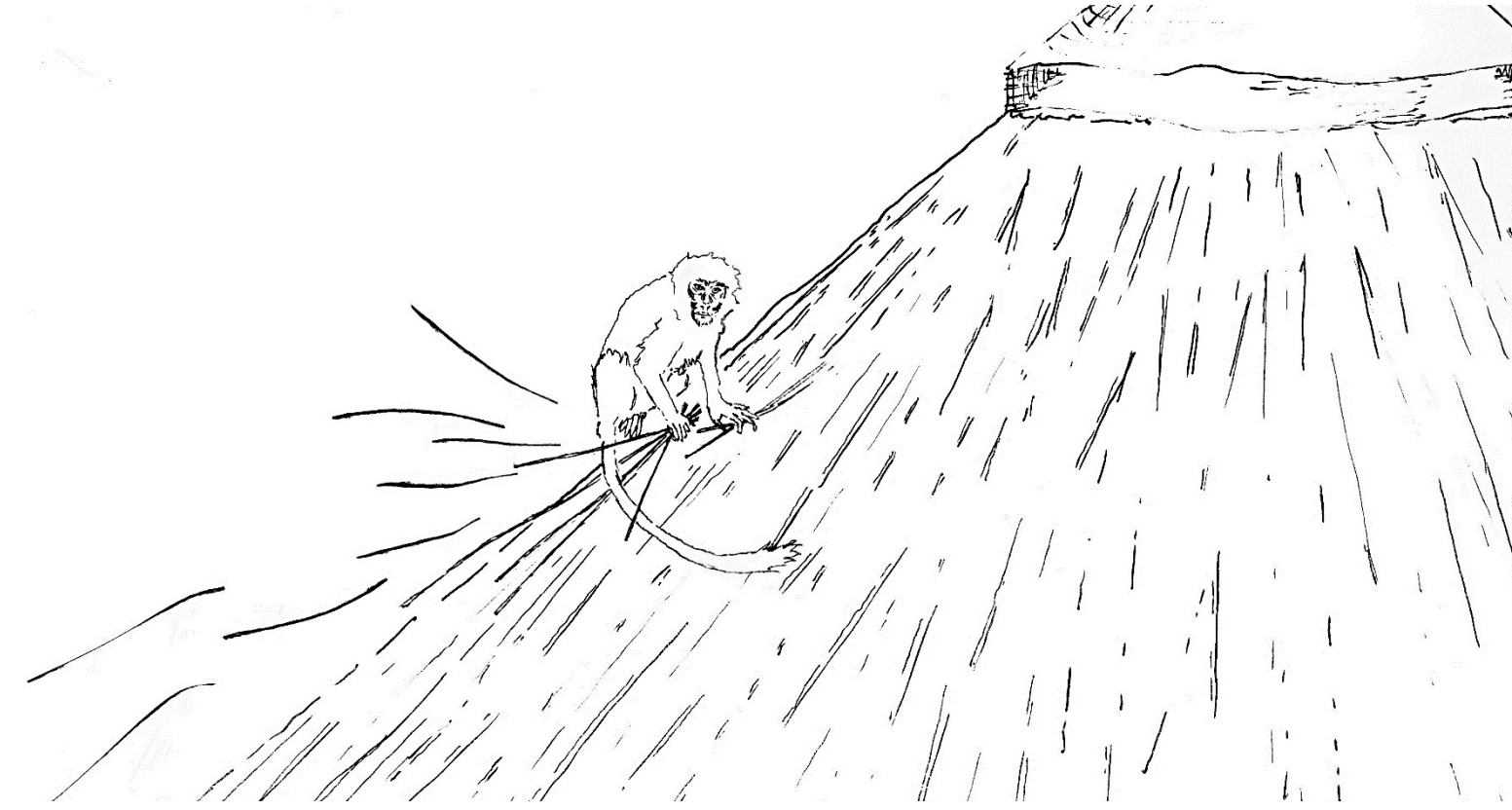


REDUCED MAINTENANCE

Natural thatch is prone to damage from mammals, vermin, birds and insects. Particularly in a natural environment such as the Kruger National Park.

Further, natural thatch weathers and deteriorates with time.

Harvey Thatch steel tiles prevents all forms of natural damage to drastically reduce maintenance.



No more 'Monkey Business'

Coping with any 'monkeying around' has always required a great deal of maintenance.



AETHETICS

Harvey Thatch steel tiles allowed the client to retain a natural 'African Safari' look and feel without the drawbacks of natural thatch.

LIGHT WEIGHT

Lightweight steel roof tiles allowed units to be re-roofed over the existing roof structures. This resulted in:

- Cost savings
- Time savings
- Ease of transport
- Ease of installation



WHAT WE'RE PROUD OF



AESTHETICS OF A WORLD-FAMOUS LANDMARK

- Over 1 million local & foreign tourists
- We retained the natural aesthetic of the resort
- Modernised without impacting the 'soul' of the Kruger

MAINTENANCE REDUCTION

- Skukuza required a costly and expansive, full-time maintenance department to deal with deteriorating thatch roofs
- Harvey Thatch minimises maintenance to allow for focus on conservation
- Visitor experience enhanced by sound, quality accommodation

SKILLS DEVELOPMENT

- Contractors were locally appointed from the community
- Harvey Roofing Products Teams trained these contractors in the installation of steel roof tiles
- Contractors are now equipped to install new roofs or re-roof on intricate structures



Thank You.