

17 CONFIDENTIAL ITEMS**17.2 LAMEROO TOWN CENTRE PROJECT - PLAYGROUND SHADE - AWARDING OF CONTRACT****RECOMMENDATION**

That:

1. Pursuant to Section 90(2) & (3) of the Local Government Act 1999 the Council orders that the public, with the exception of the Acting Chief Executive Officer, Manager Corporate Services, Acting Manager Infrastructure Services, Manager Property and Development Services and the Coordinator Executive Services be excluded from attendance at the meeting held on Wednesday 19 April 2023 for Agenda Item 17.2 Lameroo Town Centre Project - Playground Shade - Awarding of Contract;
2. The Council is satisfied that pursuant to section 90 (3) (k) of the Local Government Act 1999, the information to be received, discussed or considered in relation to the Agenda Item 17.2 Lameroo Town Centre Project - Playground Shade - Awarding of Contract is:
tenders for the supply of goods, the provision of services or the carrying out of works.
3. The Council is satisfied that the principle that the meeting be conducted in a place open to the public has been outweighed by the need to discuss this Agenda Item 17.2 in confidence.

MOVED COUNCILLOR CHRIS MEAD

SECONDED COUNCILLOR LUKE KENNEDY

That:

1. Pursuant to Section 90(2) & (3) of the Local Government Act 1999 the Council orders that the public, with the exception of the Acting Chief Executive Officer, Manager Corporate Services, Acting Manager Infrastructure Services, Manager Property and Development Services and the Coordinator Executive Services be excluded from attendance at the meeting held on Wednesday 19 April 2023 for Agenda Item 17.2 Lameroo Town Centre Project - Playground Shade - Awarding of Contract;
2. The Council is satisfied that pursuant to section 90 (3) (k) of the Local Government Act 1999, the information to be received, discussed or considered in relation to the Agenda Item 17.2 Lameroo Town Centre Project - Playground Shade - Awarding of Contract is:
tenders for the supply of goods, the provision of services or the carrying out of works.
3. The Council is satisfied that the principle that the meeting be conducted in a place open to the public has been outweighed by the need to discuss this Agenda Item 17.2 in confidence.

CARRIED.

17.2 LAMEROO TOWN CENTRE PROJECT - PLAYGROUND SHADE - AWARDING OF CONTRACT

Responsible officer: Matthew Sherman, Acting Chief Executive Officer

- Attachments:**
1. YP Shade Solutions Playground Shade Quotation
 2. Shadeform Playground Shade Quotation

Section under the Act	The grounds on which part of the Council or Committee may be closed to the public are listed in Section 90(2) & (3) of the <i>Local Government Act 1999</i> .
Sub-clause and Reason:	(k) - tenders for the supply of goods, the provision of services or the carrying out of works.

Executive Summary

The purpose of this report is to enable Council to engage the preferred contractor for the manufacture and installation of shade structures over the Lameroo Playground as part of the Lameroo Town Centre Project. Council has undertaken a procurement process and has identified a preferred supplier. This report enables Council to consider this procurement process and award the contract.

RECOMMENDATION

That Council engages YP Shade Solutions for the manufacture and installation of the shade structure at the Lameroo Playground as part of the Lameroo Town Centre Project for a total of \$49,900 (ex GST) + 10% contingency utilising Option 1 - Circle Design.

**MOVED COUNCILLOR CHRIS MEAD
SECONDED COUNCILLOR RON VALENTINE**

That Council engages YP Shade Solutions for the manufacture and installation of the shade structure at the Lameroo Playground as part of the Lameroo Town Centre Project for a total of \$49,900 (ex GST) + 10% contingency utilising Option 1 - Circle Design.

CARRIED.

Background

The Lameroo Town Centre Project aims to help revitalise the centre of Lameroo increasing its attraction as a commercial, social and recreational space for local residents and visitors. Stage 1 delivered a new playground, pump track and dog park. Stages 2 & 3 of the project is due to begin construction in May 2023. Council was successful in being awarded grant funding from both the Drought Community Programme Extension for Stage 1 and the Building Better Regions Funding for Stages 2 & 3.

Context

A key focus of Stages 2 & 3 is to complete the surrounds of the recreational spaces delivered in Stage 1. This will be achieved through the addition of fencing, seating, an additional shelter,

upgraded footpath, street trees and other landscaping works. Whilst the playground was initially designed without a shade solution, the addition of a shade structure over the playground has been recognised as a priority to ensure the playground is safe and user-friendly.

Three quotations were sought for the design, manufacture and installation of the shades from reputational suppliers that service regional South Australia. The suppliers approached were YP Shade Solutions, Shadeform and Forpark.

The quotations received from YP Shade Solutions and Shadeform are attached to this report. Forpark declined to quote as the type of shade structures they specialise in were not suitable for the Lameroo playground design.

Both YP Shade Solutions and Shadeform were asked to consider the playground layout and utilise their expertise to design a suitable shade solution. The mound and slide was identified as the key priority for shade.

Policy and statutory implications

All Council purchases must be carried out in compliance with the Local Government Act 1999 (the Act). Section 49 (a1) of the Act requires Council to develop and maintain procurement policies, practices and procedures directed towards:

- Obtaining value in the expenditure of public money, and
- Providing for ethical and fair treatment of participants, and
- Ensuring probity, accountability and transparency in the procurement process.

Council’s procurement policy was followed with 3 quotations being requested from suppliers.

Issues

The three shade designs are all unique which make comparison more difficult as there are a range of factors that need to be considered, the table below shows the evaluation completed:

	YP Shade Solutions <i>Option 1: Circle Design</i>	YP Shade Solutions <i>Option 2: Semi Circle Design</i>	Shadeform
Design	<p>Highest shade coverage option (m2).</p> <p>Circular design aesthetic complements the shape of the existing playground & the circular theme of the Lameroo Town Centre Project design.</p> <p>Applies shade consistently across the space. The shade coverage will move throughout the day, with patches of sun remaining to provide warmth.</p>	<p>Middle option for shade coverage (m2).</p> <p>Shade coverage focused on back half of playground only. Overall design aesthetic likely to appear less balanced.</p> <p>There is the opportunity to add additional shades into the front half of playspace in future.</p> <p>Key play equipment shaded includes mound with slide, spinners and climbing net.</p> <p>Number of poles - 6</p>	<p>Lower shade coverage option (m2).</p> <p>Key play equipment shaded includes mound with slide and sandpit.</p> <p>Ratio of poles to shade coverage is high. Overall design aesthetic may be negatively impacted and appear more ad hoc.</p> <p>Number of poles - 8</p>

	Majority of play equipment will be shaded. Number of poles – 9		
Price (ex GST)	\$49,900 Valid until 30 June 2023	\$39,900 Valid until 30 June 2023	\$48,250 - PUR5 3 x coat coastal paint system \$47,500 - AC 22 2 Coat paint system Valid for 30 days – 28/03/2023
Materials	Rainbow shade fabric – 320 gsm Charcoal example – 95% UV protection Marine grade steel - 316	Rainbow shade fabric – 320 gsm Charcoal example – 95% UV protection Marine grade steel - 316	Monotec shade cloth 370 gsm 95% UV protection Marine grade steel
Warranty	7 year - steel structure & workmanship 10 year - shade & steel material	7 year - steel structure & workmanship 10 year - shade & steel material	10 year structural warranty 5 year workmanship & fittings 15 year shade material Lifetime – solarfix thread

During the site visits, both suppliers indicated that the shades should last 25 – 30 years before the shade cloth may require replacing. Both suppliers also indicated that they will be able to manufacture and install the shades in the second half of 2023, this will need to be confirmed on acceptance of a quote.

Overall YP Shades Solutions was identified as the preferred supplier, specifically the circle design aesthetic. This design also offers a higher level of shade and a design that complements the other design elements in the Lameroo Town Centre Project. YP Shade Solutions was also evaluated as superior value for money when considering shade coverage achieved.

Alternate options

Council has the option to award the contract to Shadeform.

Council could request a revised shade quote option from YP Shade Solutions or Shadeform.

Council could look to engage an alternative shade supplier, however, this is not recommended as it may impact have timeframe implications for the project.

Council has the option not to proceed with the award of contract for this element of work, meaning no shade structure would be included in the Lameroo Town Centre Project.

Financial implications

The cost to manufacture and install the shade structure is \$49,990 ex GST. This budget is available within the Lameroo Town Centre Project for Stages 2 & 3 which is funded through our successful BBRF Grant. No additional budget allocation is required.

Work Health and Safety and Risk implications

As part of Council's standard processes all suppliers undertaking works on Council land will be inducted prior to works.

Consultation

The quotations were sought and evaluated inhouse by the Project Team.

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Rachel Ridgway

From: YP Shade Solutions <ypshadesolutions@gmail.com>
Sent: Tuesday, 21 February 2023 8:32 PM
To: Rachel Ridgway
Attachments: pdf.3.pdf; pdf.4.pdf

Hi Rachel

Please find updated posts locations for the full playground and half playground project. I am very confident we will be able to find a location in close proximity to these markings that won't interfere with walkways or fall zones.

I have also sent a separate quote for the second option to cover only half of play equipment.

Kind Regards

Scott Pridham
YP Shade Solutions
0424 690 257
www.ypshade.com



Circle Design



QUOTE

Lameroo Council

Date
13 Feb 2023

Expiry
30 Jun 2023

Quote Number
QU-0516

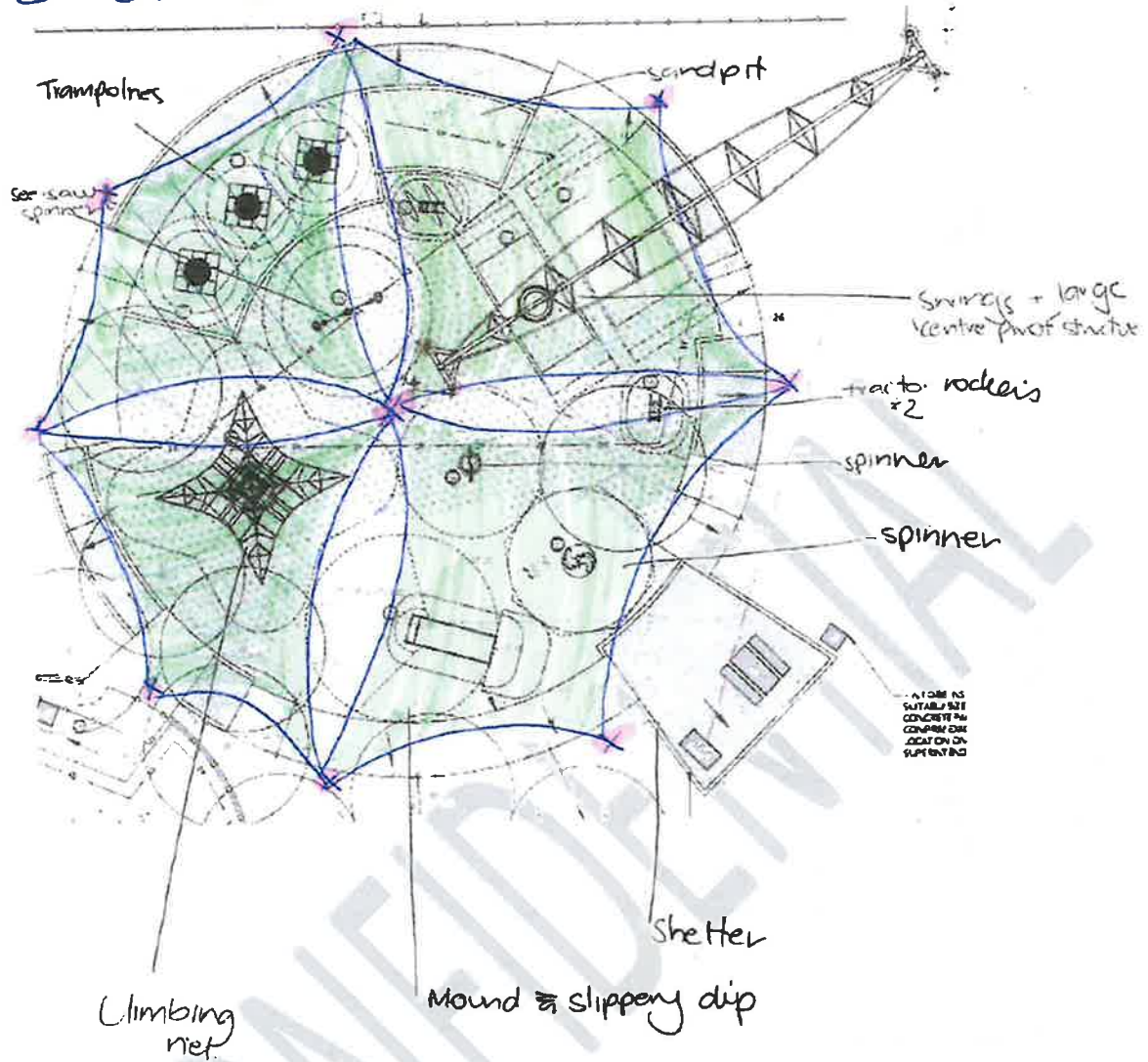
Reference
Rachel Ridgway

ABN
37 847 254 430

YP Shade Solutions
PO Box 407
WALLAROO SA 5556
AUSTRALIA

Description	Quantity	Unit Price	GST	Amount AUD
YP shade solutions to manufacture, supply and install (9 post) shade sail over LAMEROO playground area Using 350 grade steel, galvanised with 2 coats full gloss enamel for galv surfaces 150x4.2 for 8 perimeter posts 219x5 centre post size approx: 22m x 24m x 6m centre from ground height shade sails to be manufactured from Rainbow shade fabric-320gsm Colour: TBA re-inforced in all pressure points Double stitched using PTFE threads Heavy-duty webbing marine 316 grade stainless steel perimeter cable Full 7 year warranty on steel structure and all workmanship. 10 year manufactures warranty on all steel and shade material. Any warranty work to be onsite within 5 working days. Supply full engineering and certified drawings	1.00	49,900.00	10%	49,900.00
Subtotal				49,900.00
TOTAL GST 10%				4,990.00
TOTAL AUD				54,890.00

Circle Design



Semi Circle Design



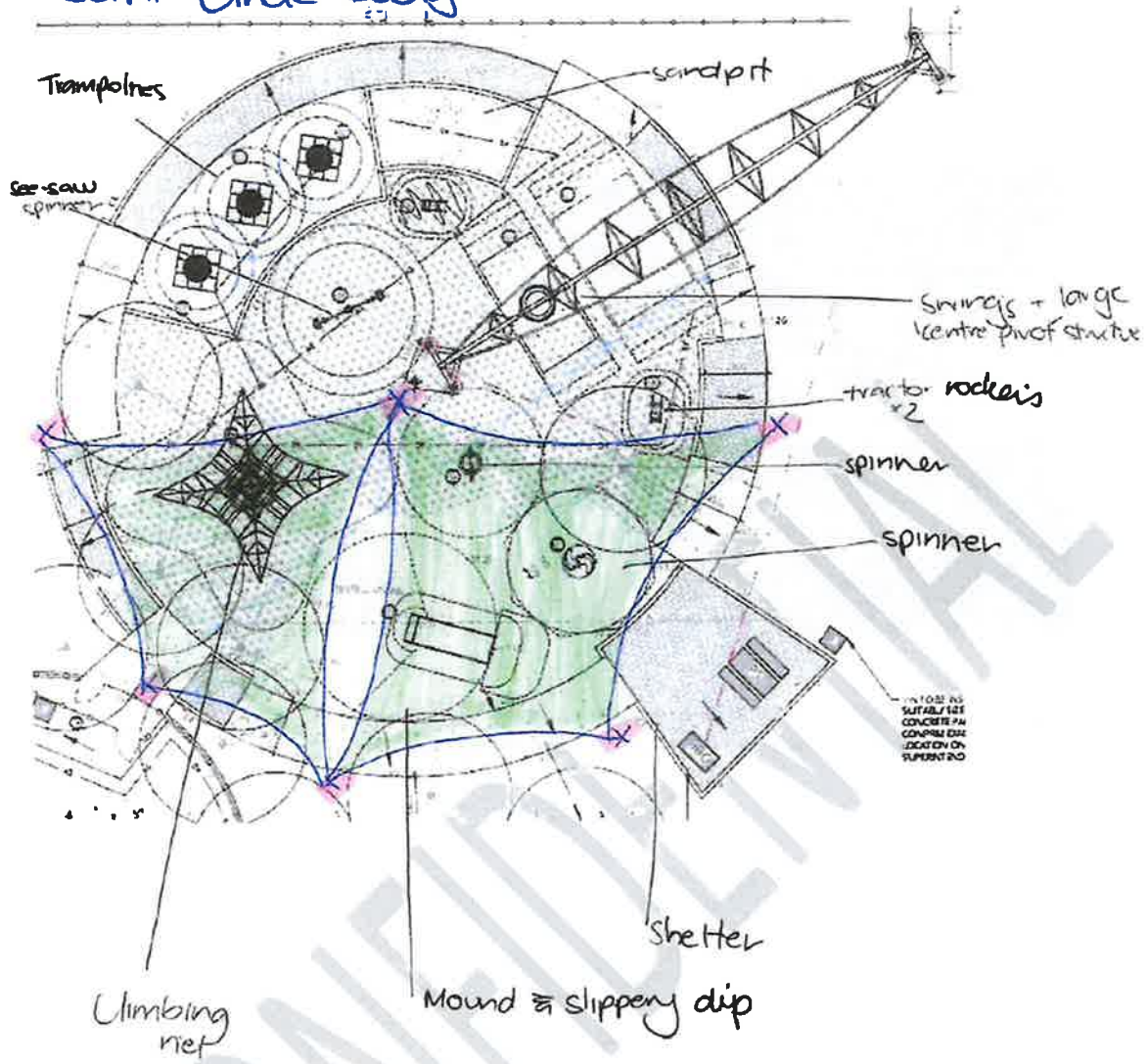
QUOTE

Lameroo Council

Date 21 Feb 2023
 Quote Number QU-0519
 Reference Rachel Ridgway
 ABN 37 847 254 430
 YP Shade Solutions
 PO Box 407
 WALLAROO SA 5556
 AUSTRALIA

Description	Quantity	Unit Price	GST	Amount AUD
<p>OPTION 2 - SHADE SAILS OVER HALF OF PLAYGROUND</p> <p>YP shade solutions to manufacture, supply and install (6 post) shade sail over LAMEROO playground area Using 350 grade steel, galvanised with 2 coats full gloss enamel for galv surfaces 150x4.2 for 8 perimeter posts 219x5 centre post size approx: 22m x 24m x 6m centre from ground height</p> <p>shade sails to be manufactured from Rainbow shade fabric-320gsm Colour: TBA re-inforced in all pressure points Double stitched using PTFE threads Heavy-duty webbing marine 316 grade stainless steel perimeter cable Full 7 year warranty on steel structure and all workmanship. 10 year manufactures warranty on all steel and shade material. Any warranty work to be onsite within 5 working days. Supply full engineering and certified drawings</p>	1.00	39,900.00	10%	39,900.00
Subtotal				39,900.00
TOTAL GST 10%				3,990.00
TOTAL AUD				43,890.00

Semi Circle Design



YP Shade Solutions – Visual Example



Note: this is not a mock-up of the Lameroo Playground space. This is an example of a project completed prior to show an indicatiotn only of how the shade sails may look.

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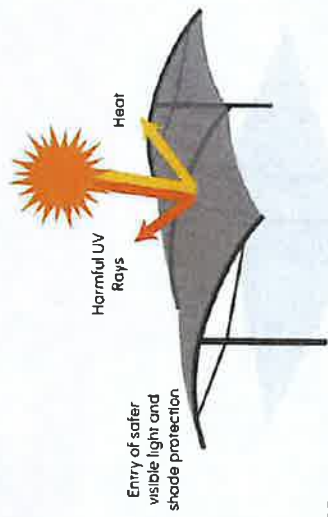


Extreme 32 Designer Colour Guide



	Quartz UVR BLOCK 89.5% SHADE 78.4%		Hazel UVR BLOCK 93.7% SHADE 91.2%		Cinnamon UVR BLOCK 91.4% SHADE 89.4%		Desert Sand UVR BLOCK 92.4% SHADE 91.2%		Silver UVR BLOCK 91.5% SHADE 91.2%		Charcoal UVR BLOCK 95.3% SHADE 94.7%		Black UVR BLOCK 95.7% SHADE 95.3%		Navy Blue UVR BLOCK 95.8% SHADE 94.4%
	Rainforest UVR BLOCK 93.1% SHADE 90.7%		Royal Blue UVR BLOCK 91.7% SHADE 86.1%		Laguna Blue UVR BLOCK 90.8% SHADE 89.5%		Zesty Lime UVR BLOCK 91.1% SHADE 84.5%		Electric Purple UVR BLOCK 91.9% SHADE 88.4%		Sunset Red UVR BLOCK 93% SHADE 83.7%		Atomic Orange UVR BLOCK 91.8% SHADE 81.6%		Sunflower Yellow UVR BLOCK 92.6% SHADE 79.8%

Terracotta
UVR BLOCK 92.7%
SHADE 92.7%



Exceptional strength and protection

Rainbow Shade, a leading supplier for over 25 years, has specifically developed it's shade products to provide the Ultimate Solar Protection

- Extreme Strength (Designed for Large Spans)
- High UV-R Protection (Up to 95.8%)
- High Tear Resistance
- Resilient Dimensional Stability
- 100% Recyclable
- Easy Care & Maintenance
- Fire Rated Fabric AS-1530.3
- Enduring Durability & Longevity
- Great Heat & Glare Reduction
- Heat Resistance

Designer Colour Guide

rainbowshade.com.au

Extreme 32 Design Inspiration



Designer Colour Guide

rainbowshade.com.au



Suggested Specification

Shade cloth fabric will be compliant to Australian Standard 4174 and must be Extreme 32 HDPE knitted extra heavy duty shade fabric with monofilament and tape construction for maximum solar protection.

Technical Properties		Width: 3 metres	Roll length: 33 metres				
Strength Characteristics		Result	Standard				
Breaking force - warp		77	AS20012.1-2001				
Breaking force - weft		171	AS20012.1-2001				
Elongation at break - warp		44.7	AS20012.1-2001				
Elongation at break - weft		54.9	AS20012.1-2001				
Tear resistance - warp		179	AS20012.1D-1986				
Tear resistance - weft		243	AS20012.1D-1986				
Bursting pressure		3400	AS20012.4-1990				
Bursting force		1970	AS20012.6-1998				
Flame Retardancy	Result		Standard				
Ignitability index		15	AS1500.3-1999				
Spread of flame index		8	AS1500.3-1999				
Heat evolved index		4	AS1500.3-1999				
Smoke developed index		5	AS1500.3-1999				
Flammability index	IF (range 0-100)		AS1500.2-1993				
Spread of flame		15	AS1500.2-1993				
Heat factor		2	AS1500.2-1993				
Solar Protection Properties		Colour Factor %	Average Transmission 200-770nm%	Average UVR Transmittance at 45° (AS2001)	Average UVR Transmittance at 0° (AS2001)	Average UVR Transmittance at 90° (AS2001)	Average UVR Transmittance at 135° (AS2001)
Quartz		89.3	21.6	10.5	23.6	89.5	89.5
Hazel		93.8	8.8	6.3	8.9	93.7	93.7
Cinnamon		91.5	10.6	8.6	10.6	91.4	91.4
Desert Sand		92.7	8.8	7.62	8.79	92.4	92.4
Silver		92.1	8.77	8.47	8.9	91.5	91.5
Charcoal		93.2	5.3	4.7	5.48	93.3	93.3
Black		95.7	4.72	4.27	4.87	95.7	95.7
Navy Blue		95.6	5.01	4.21	6.13	95.8	95.8
Rainforest		73.4	9.32	6.95	9.55	93.1	93.1
Royal Blue		92.2	13.95	8.29	16.61	91.7	91.7
Zesty Lime		91.2	15.5	8.9	15.9	91.1	91.1
Electric Purple		92.3	11.6	8.1	10.8	91.9	91.9
Sunset Red		92.9	16.3	7	14.7	90	90
Terracotta		92.7	7.31	7.32	7.37	92.7	92.7

Designer Colour Guide

rainbowshade.com.au



a division of Soulsby Sails Pty Ltd ABN 63 008 105 691

Factory/Showroom, 212 Grange Road Flinders Park 5025 PO Box 373 Findon 5023 Ph 08 8354 2116 Fax 08 8354 2118

Builders Licence No R149474 enquiries@shadeform.com.au www.shadeform.com.au

100% Australian Owned & Manufactured

Tuesday, 28 February 2023

Quote Ref: Q21290-A

Southern Mallee District Council
Day Street
PO Box 49
Pinnaroo, SA 5304

Site: *Playground at Lameroo*
Project: *2 x Shade Sails*
Attention: *Rachel Ridgway & Matthew Sherman*

Dear Rachel & Matthew,

Following Gordon's recent visit to the playground at Lameroo and measure up, we enclose our pricing for the 2 x Shade Sails as discussed. Please see enclosed plan, elevation & 3D drawings for your reference when considering this proposal.

SCOPE OF WORKS

Development Approval

Optional price for Development Approval if you require that Shadeform submit this for you.

Engineering

Pricing includes Engineer design of shade structure, posts and footings, all site specific, and appropriate for the site/terrain.

Footings (8)

Price allows for the excavation (mechanical auger) and construction of footings including the removal of clean spoil from site. Estimated sizes provided (subject to Engineering).

Posts (8)

CHS posts (Round), locally fabricated by Ascot Welding, Somerton Park. Estimated sizes provided - subject to Engineering.

... also suppliers of



Post Finish

Two pack painted finish to choice of colours (Corrosion SA, Port Adelaide).

Opt. 1 – *AC22 2 coat paint system* – 5 to 10 years 1st maintenance in (C4 environment)

Opt. 2 – *PUR5 3 x coat coastal paint system* - 25+ years 1st maintenance (C4 environment)

Sails (2)

Designed and manufactured at our factory in Flinders Park.

Solarfix Thread – Lifetime Warranty!

Shadeform now exclusively uses in all of our stitched Sails, the Solarfix PTFE thread. This has a warranty that states it will last as long as the fabric that is used in the product!

Fabric (Australian Made)

Monotec 370 95% Shadecloth Fabric - The fabric reduces up to 95% of the sun’s harmful UV rays, controls reflected glare and is mildew resistant. The fabric comes with a 15 year manufacture’s guarantee which includes use under tension.

Temporary Fencing

Provision of temporary site fencing is excluded from our pricing (can be quoted if required)

QUOTATION

Development Approval

Shadeform would be happy to submit for Development Approval if required.

Approx Development Approval cost would be: **\$ 1,300.00 Excl GST***

*Subject to final confirmation of Plan Fees.

Shade Sails

Our price to supply and install the 2 x Shade Sails as detailed would be:

Using Monotec 370 95% Shadecloth:

- *Option 1 – AC22 2 coat paint system:* **\$ 47,500.00 Excl GST**
5 to 10 years 1st maintenance in (C4 environment)

- *Option 2 – PUR5 3 x coat coastal paint system:* **\$ 48,250.00 Excl GST**
25+ years 1st maintenance (C4 environment)

Anti-Vandal/Climbing Spiked Collars

Optional Anti-vandal Spiked Collars (8): **\$ 2,500.00 Excl GST (all 8)**

General Notes:

- **Engineering** - Above Prices are subject to Engineering and may change as a result of the Engineers findings and calculations.
- **Access** - Above pricing assumes reasonable access for our excavator & concrete deliveries (barrow access). If access is restricted and we cannot access the site with our excavator or barrow concrete for footings, any additional equipment required to undertake our works would need to be charged for.
- **Craneage** - Above pricing assumes that we can use our Crane Truck/Standard Franner Crane to undertake our works. No allowance for Larger City type Crane/ Tight Access Crawler Crane, which if required would be subject to an additional charge.
- **Plant Access** - In order to undertake our works we may need to drive across the grass/paving. We will operate in a diligent manner, but we cannot be held responsible for accidental damage to ground coverings/grass/paving.
- **Irrigation** - we have allowed to locate underground services on site prior to excavating. This will not pick up irrigation lines/distribution boxes. If irrigation lines are present on site, locations are to be marked by the others.
- **Ground Conditions** - Above pricing assumes that where footings are to be constructed, the ground is natural or has been compacted to Engineer's requirement. If the ground is fill/has poor bearing capacity, further charges may apply for deeper footings.
- **Digging Conditions** - Above pricing assumes free digging. If hard ground or rocks are encountered any extra labour/equipment would be subject to a further cost.
- **Contaminated Waste** - Above pricing allows for the disposal of clean waste only from footing excavations. If waste is found to be contaminated, requiring specialist transportation/disposal, any additional costs would be chargeable.
- **None Evasive Excavation (Vac Truck)** - We have allowed for standard auger drilling to excavate soil for bore pier foundations - if underground services or protected tree roots are extensive through the site, we may need to use a none-evasive form of digging (vac truck) for one or more holes. We would need to obtain a quote for this from our contractor if required which would be a variation to our quoted price.
- **Standard Working Hours** - Above pricing excludes out of hours installation/weekend work/night work.
- **Temp Fencing** - Above pricing excludes safety fencing other than bunting.
- **Traffic/Pedestrian Control** - Above pricing excludes Traffic/Pedestrian Control.

Above pricing includes:

- Optional Development Approval submission including CITB Levy where applicable.
- Engineer Designed to meet all Standards, including AS 1170.2 (Wind Code) and AS 4100
- Dial before You Dig & Underground service location.
- Locally manufactured shade with computer designed, patterned and cut panels.at our Flinders Park Factory.
- Steelwork two pack painted to your colour choice, with optional upgrade to 3 coat coastal system.
- Marine grade stainless steel wall edge wires and fittings.
- Installation of footings, posts, and sails.
- 15 year warranty on Monotec 370 Shadecloth under tension and UV degradation.
- Lifetime warranty on the Solarfix PTFE thread.
- 10 Year structural warranty.
- 5 year warranty on workmanship and fittings.
- Provision of JSA/SWMS etc
- Optional Anti-Vandal collars
- Builders Licence No. R149474.

Exclusions

- Above pricing excludes soil testing, bore logs or geotechnical reports which are to be supplied by the Client if required or can be quoted on as an additional service.
- Disposal of contaminated waste/soil (clean waste disposal only allowed for)
- Above pricing excludes out of hours installation.
- Above pricing excludes temporary fencing.
- Bank guarantee fees (if required).

Terms

- Council Approval - full payment required.
- 10% Deposit to confirm order, commence Engineering and confirm final pricing.
- 30% Progress Payment to commence steelwork fabrication.
- 30% Progress Payment on erection of Steelwork.
- Final Invoice on installation of sail net 14 Days

Variations

Variations resulting from changes to drawings quoted on or requested by the client, will not proceed until a Variation order signed by the client is received or the client supplies a signed purchase order with the variation details and an agreed price. To avoid delays, requests for variations are to be directed to the attention of Mark Soulsby.

Current Steel Cost Volatility

Currently Steel costs are volatile and are generally rising on a monthly basis - a situation that is out of our control. The combined effect of political tensions, covid and increased demand is causing steel pipe cost inflation, so we would like to point out that the steel element of all projects will require re quoting at the time of ordering from our fabricator, with any additional costs to be charged to the client. Delays with approvals etc can result in steel costs increasing before we can commence fabrication, so as a result we will need to confirm steel costs at the time of ordering from our fabricator once approvals have been resolved/granted. We apologise for this situation which is hopefully temporary and is unfortunately out of our control.

Irrigation

It is the client's responsibility to identify any underground irrigation lines or distribution boxes that fall in line with any digging. Shadeform's installers will try their best to avoid irrigation, however, Shadeform will not be held responsible for any damage that may occur, and any costs resulting from repairs needed.

Underground Services

Whilst a scan will be carried out to help locate underground services, this is not a complete guarantee that services will be where marked, as there is an error margin involved and some pipes are not traceable. Shadeform workers will do their best to avoid services, but cannot be held responsible if damage does occur to services, and any charges that may arise for repairs will be at the client's expense, as is the normal practice with digging into unknown underground areas. If services are encountered in footing locations, depending on the application the client may need to organise to have services rerouted by others. This may require Shadeform to halt work part way through - any additional costs incurred by having to return to site to complete works at a later date would need to be paid by the client.

Soil Report

It is advisable to obtain a soil report to confirm that the depths we will be required to dig to are achievable. You may have bore logs for the area which we could forward to our engineer for his design work. In the absence of such information Shadeform can arrange for bore logs to be obtained - charge applies.

Alternative Digging Methods (Vacuum Extraction)

In the event that the area has many services below (whether found by the service locator or at the time of digging) or extensive protected tree roots, we may require the use of alternative digging methods other than our standard auger, such as vacuum extraction. Our pricing does not allow for the use of vacuum extraction excavation, and if required this extra cost would be charged to the client.

Plant Access

In order to undertake our works we may need to drive across the grass/paving. We will operate in a diligent manner, but we cannot be held responsible for accidental damage to ground coverings/grass/paving.

Hard Digging

Above pricing allows for digging into normal soil. Should harder surfaces be encountered that requires other equipment and labour, then extra costs will be charged.

Photographic Media

In accepting this quotation the client automatically grants Shadeform the right in perpetuity, to make, use and show, at their discretion any still pictures of the above project for promotion / advertising purposes.

Shade Sail Drawings

A Plan Drawing of the proposed Sail has been included with your Quote. We have marked on the drawing the proposed Sail connection heights, plus the distances between the posts or mounting brackets. Shadeform have proposed the design based on our experience - remember that the Sun in Winter is much lower in the Northern sky, than it is in the Summer and this should be considered.

Placement of an order with Shadeform, is deemed to be an acceptance by the Purchaser of the above terms and conditions.

Quote remains valid for 30 days.

I look forward to hearing from you in regard to this quotation in the near future.

Yours sincerely,



Neil Hargreaves
BSc (Hons) ACAT

I/We would like to confirm our Order for the above products as quoted, and agree to accept all the above Terms and Conditions, and enclose the payment as requested.

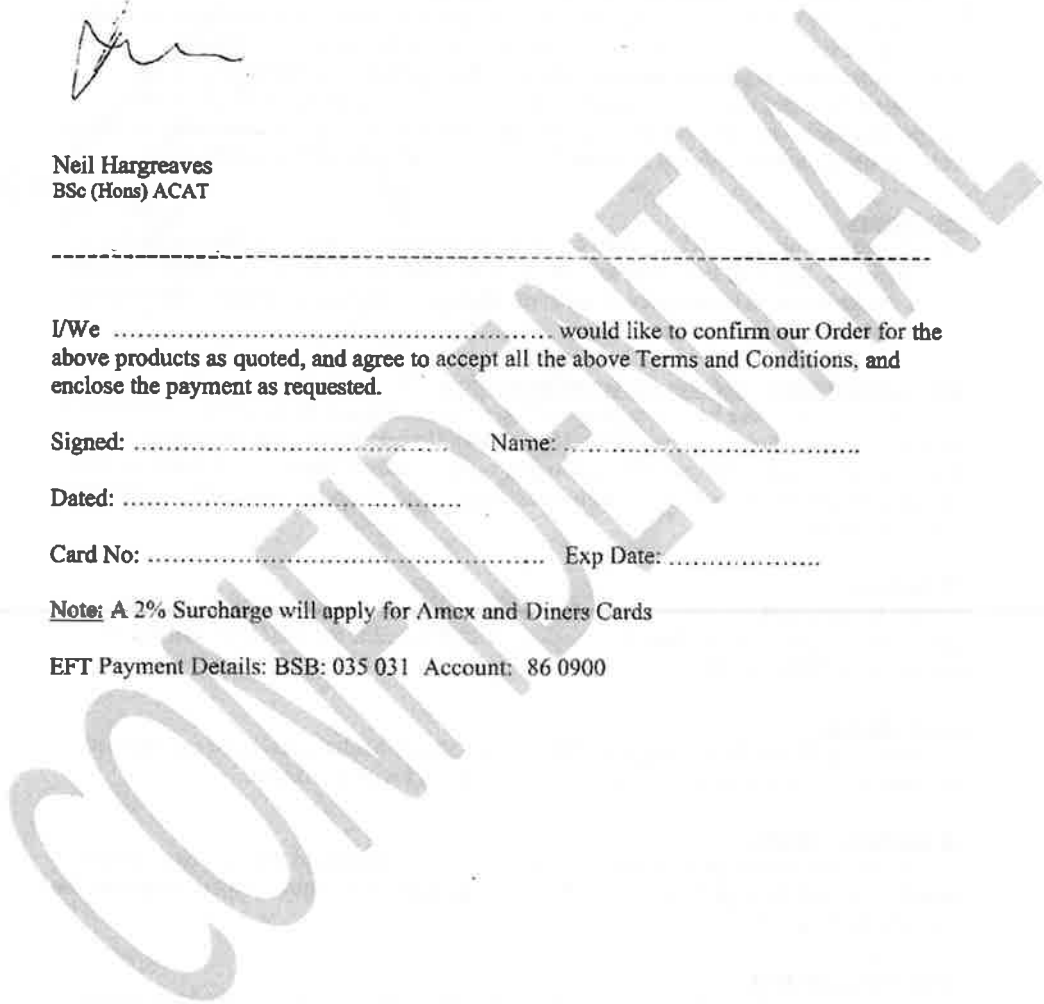
Signed: Name:

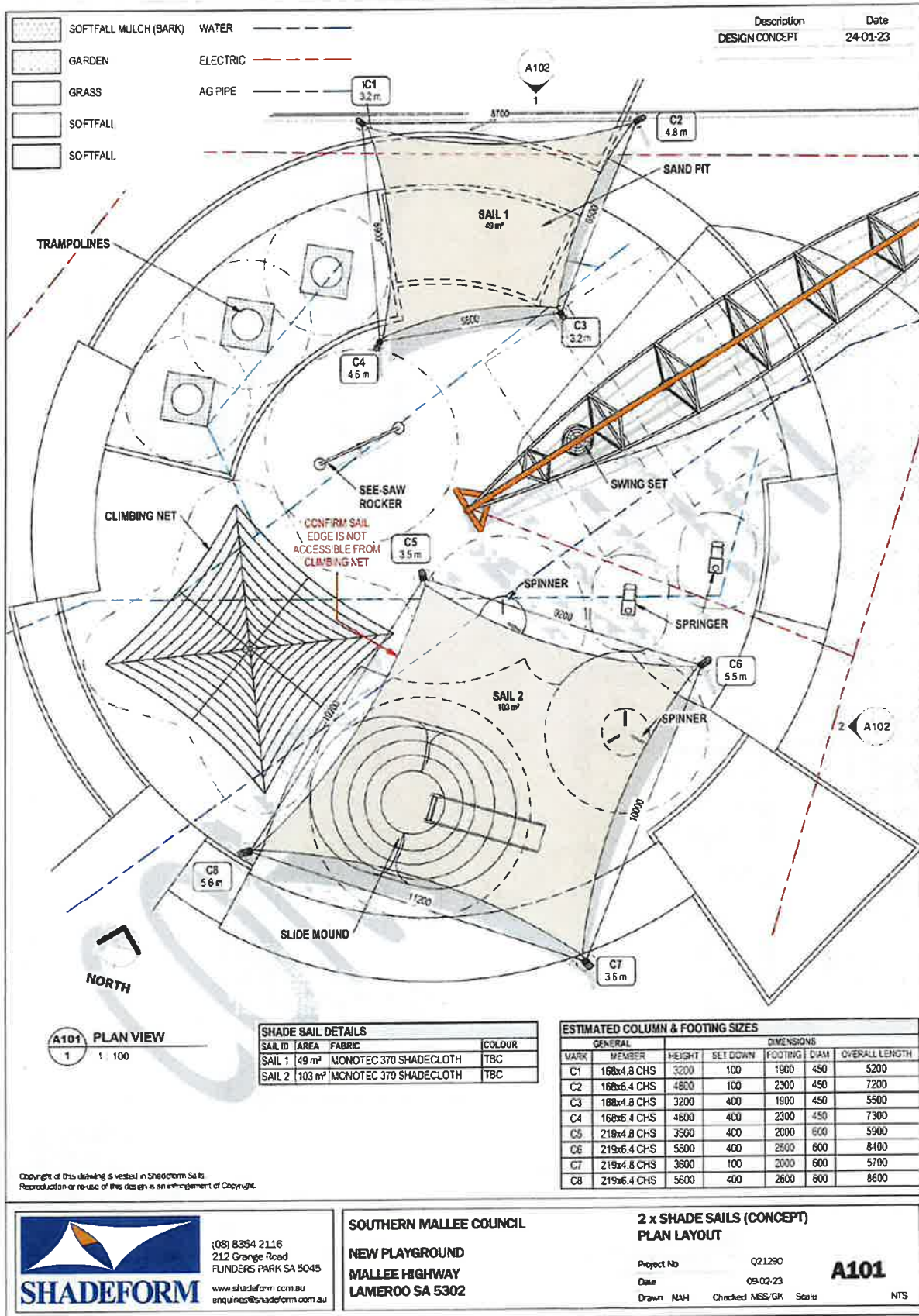
Dated:

Card No: Exp Date:

Note: A 2% Surcharge will apply for Amex and Diners Cards

EFT Payment Details: BSB: 035 031 Account: 86 0900





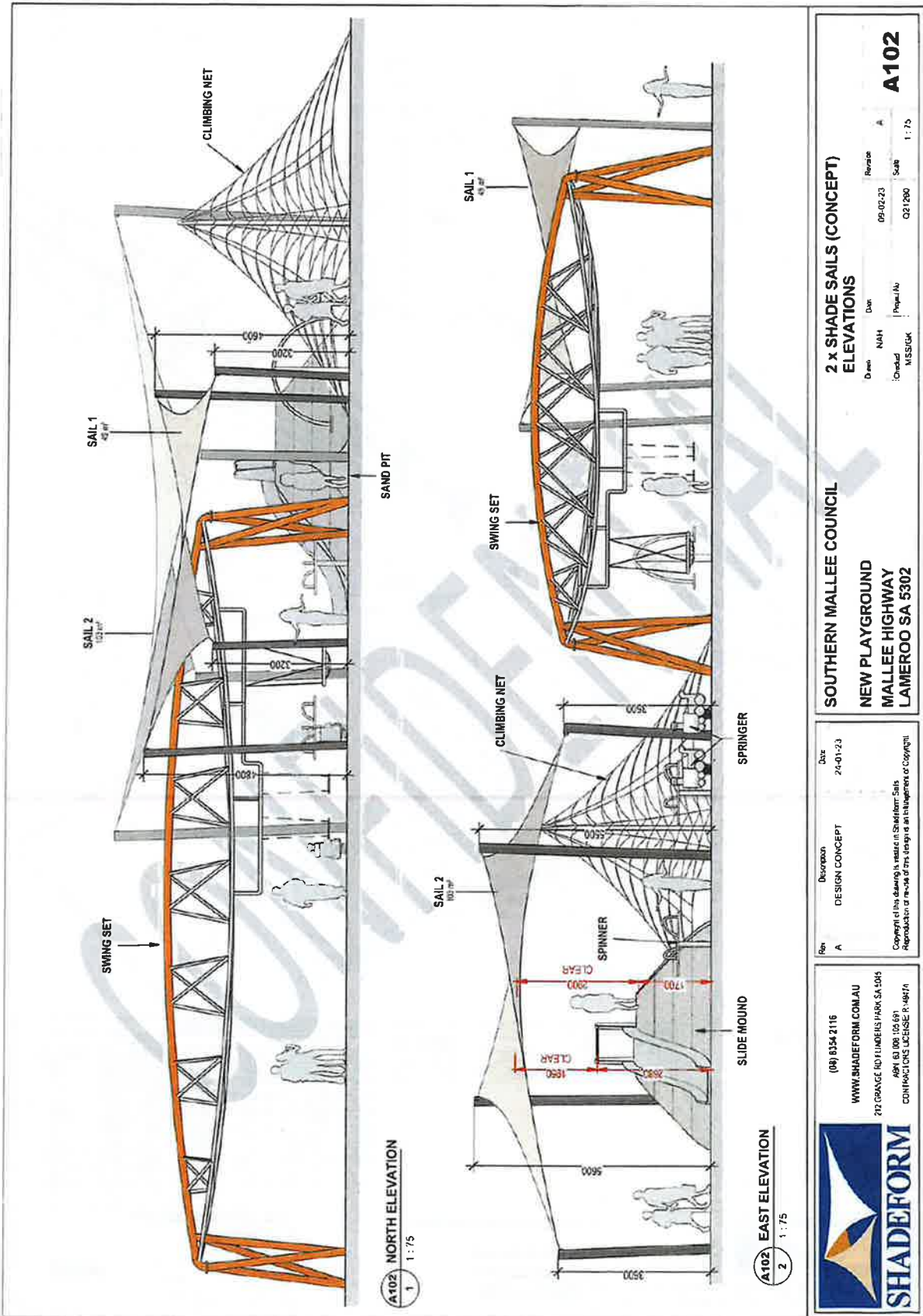
(08) 8354 2116
212 Grange Road
FLINDERS PARK SA 5045
www.shadeform.com.au
enquiries@shadeform.com.au

SOUTHERN MALLEE COUNCIL
NEW PLAYGROUND
MALLEE HIGHWAY
LAMEROO SA 5302

2 x SHADE SAILS (CONCEPT)
PLAN LAYOUT

Project No Q21290
Date 09-02-23
Drawn NAH Checked MSS/GK Scale NTS

A101



2 x SHADE SAILS (CONCEPT) ELEVATIONS

Drawn: N/A
 Date: 09-02-23
 Checked: MESS/CK
 Revised: A
 Scale: 1 : 75

A102

SOUTHERN MALLEE COUNCIL
NEW PLAYGROUND
MALLEE HIGHWAY
LAMEROO SA 5302

Rev: A
 Description: DESIGN CONCEPT
 Date: 24-01-23

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(08) 8354 2116
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 APT 61 088 100 691
 CONSTRUCTION LICENSE R 48674



21st DEC (10.00am)

21st DEC (2.00PM)

SOUTHERN MALLEE COUNCIL
NEW PLAYGROUND
MALLEE HIGHWAY
LAMEROO SA 5302

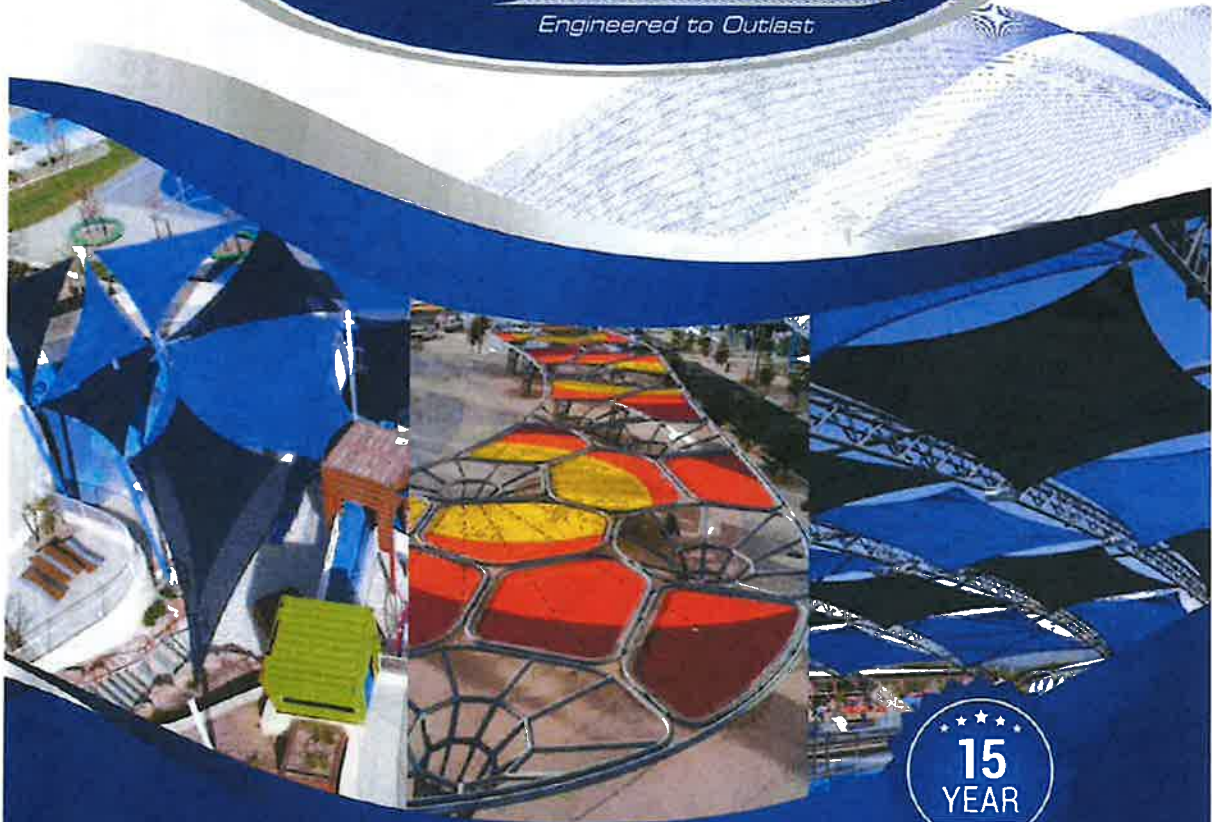
2 x SHADE SAILS (CONCEPT)
3D VIEWS & SHADE STUDY

Drawn: N/NH Date: 09-08-23 Revision: A
 Checked: NBS/CK Project No: 021250 Scale: A103

Rev: A	Description: DESIGN CONCEPT	Date: 24-01-23
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SUPERIOR IN STRENGTH & PERFORMANCE

100% AUSTRALIAN MADE COMMERCIAL SHADECLOTH

- SHADE STRUCTURES | SHADE SAILS | CAR PARKS | PLAYGROUNDS
- SCHOOL OUTDOOR AREAS | SWIMMING POOL CANOPIES
- WATERPARK STRUCTURES

SETTING THE INDUSTRY STANDARD

Developed as an "install and forget" shadecloth, **MONOTEC 370 SERIES** is the perfect solution for shade sails and structures. Uniquely made using only 100% round monofilament HDPE yarns, **MONOTEC 370 SERIES** provides consistent protection to people and property in the harsh Australian climate.

EXCELLENCE IN DESIGN

MONOTEC 370 SERIES IS:

The only shadecloth manufactured in Australia.

The only shadecloth that will retain its permanent shape and design.

The strongest shadecloth available today.

Manufactured using 100% round monofilament HDPE yarn



COLOURS



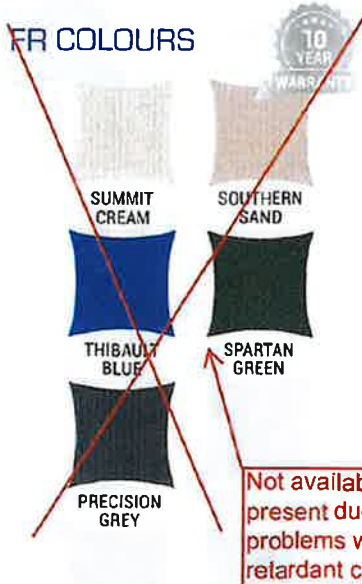
DESIGNER COLLECTION



Custom colours and sizes available on request.



FR COLOURS



FEATURES

100% ROUND MONOFILAMENT HDPE YARN

With a higher strength to weight ratio, round monofilament yarn is stronger than tape yarn.

NO TAPE YARN USED

Flat and oval tape yarns are weaker and continue to stretch, causing sails to sag after installation.

NO RE-TENSIONING AFTER INSTALLATION

There is no need for installers to return after installation to re-tighten sails.

MARKET LEADER FOR STRENGTH

Exceeds Australian Standards requirements for bursting and tensile strength.

STRONG WIND RESISTANCE

Superior durability and performance, especially in excessively high wind conditions.

MAINTENANCE FREE

Due to their smooth surface, round monofilament yarns are more resistant to dirt and debris build-up.

VANDAL RESISTANT

The strength of round monofilament yarn, combined with the close lock-stitch construction, makes it difficult to penetrate the fabric with damaging objects.

INDUSTRY RECOGNISED

Utilised in multiple award winning projects in Australia and around the world.

3.25m AND 6.5m WIDTHS

Wide widths help reduce unsightly seams, weak points and fabrication costs.

16 VIBRANT COLOURS

Additional custom colours available on request.

~~FIRE RETARDANT CERTIFIED~~

~~Engineered to pass the industry's most stringent fire retardant test both in Australia and around the world.~~

100% AUSTRALIAN MADE

The only Australian made shade cloth available today.

15 YEAR WARRANTY*

Industry leading 15 year manufacturer's warranty.

*NB: 10 year warranty on FR Series.

MEETS AS 4174:2018 KNITTED & WOVEN SHADE FABRICS

Monotec complies with the Australian Standard for human protection applications.

MONOTEC 370 SERIES IS:





Monotec 370 Series was developed in Australia by Pro-Knit Industries, is 100% Australian owned and is the ONLY commercial shade cloth manufactured in Australia today.

PRO-KNIT
Industries Pty Ltd

P 07 3245 5607 E sales@pro-knit.com.au | 7 Tombo St Capalaba QLD 4157 monotec.com.au

COMMERCIAL SHADE SAILS



SHADEFORM

PLAYGROUNDS, PARKS & RECREATION

With over 30 years in the shade industry, Shadeform bring a wealth of experience to the provision of high-quality shade solutions for playgrounds, recreation areas and parks.



PROJECT MANAGEMENT - Shadeform has the experience to oversee, monitor & deliver your commercial Shading project efficiently and with scrupulous attention to detail. From start to finish, your project is in safe hands.



DESIGN - Shadeform have a designated 3D design department capable of providing conceptual & detailed Shade Sail designs conforming to all relevant standards. Development approvals, shading diagrams, visualisations and shop drawings can all be undertaken by our in-house design team.



ENGINEERING - By using the latest industry standard FEA software, our specialist Engineers are able to accurately calculate tensile loadings and design posts, footings and support structure to suit each commercial shade sail.



STRUCTURAL SUPPORT - Shade Sails can be installed to a number of structural systems including posts, brackets and custom frames. Steelwork can be hot dip galvanised, galvanised and powdercoated or epoxy painted depending on preference and location.



SAIL MANUFACTURE - Each shade sail is individually designed, patterned and plotted using the latest 3D design software. Once cut out, sail panels are machine sewn or high frequency welded depending on the fabric type. Extra heavy duty reinforcing, combined with lifetime warrantied sewing thread and quality fittings ensures that Shadeform's sails are the strongest on the market.



FITTINGS - At Shadeform we use only the best grade 316 stainless steel edge wires, D rings and fittings for our commercial Shade Sails, with larger shade cloth waterproof sails requiring hot dip galvanised corner plates and galvanised heavy duty chain.





“from conceptual design and visualisation, through to manufacturing and final installation - a turnkey solution”



FABRICS - Shade sails can be manufactured from a wide range of durable fabrics depending on the requirement. Commercial grade Shadecloth provides a durable yet economical solution, with UV protection up to 98%. If a fully weatherproof solution is required, a high grade waterproof PVC fabric can be used.



WARRANTY - Modern fabrics are extremely durable and designed to withstand years of outdoor use exposed to the elements. Commercial grade Shadecloths have warranties of up to 15 years, with waterproof fabrics having warranties up to 20 years.



INSTALLATION - At Shadeform we have a team of fully trained installers capable of undertaking the construction of footings, installation of posts, support structure and Shade Sails. Shadeform are fully licensed and accredited for construction work with years of experience working for Government, Councils, Schools and Commercial Clients.



MAINTENANCE - Shadeform's Shade Sails will provide years of trouble free shading with minimal maintenance. If over the course of time maintenance or repair work is required, Shadeform have a team of installers on the road and a dedicated repair department capable of quickly responding to any issues if they arise. Shadeform are a Spotless and DPTI accredited contractor, and carry out repair work at numerous Government and School facilities.



(08) 8354 2116



enquiries@shadeform.com.au



212 GRANGE ROAD FLINDERS PARK SA 5025



THE SHADEFORM WAY

Shade Sails Made Different – A 10 Step Process

1) Thorough Site Evaluation

An in-depth on-site assessment of the area is performed, allowing direct communication with a shading specialist.

2) Preliminary Sketches

Multiple concept designs are created, and all options are explored. 2D and 3D drawings provide a clear picture of the overall design. These drawings ensure the best possible shade is made, and that it meets client expectations.



3) The Importance of Hypar

The shape of your shade sail is very important. Ideally every sail should have a twisted hypar shape (see example left). After tensioning, a hypar sail becomes drum tight. The end result is one of the most durable sails possible.



4) Construction - Post and Fixing Installation

Powder-coated steel posts and large concrete footings, together, ensure the sail is built strong. If attaching to existing structures, careful consideration is required. Each design is based on engineer recommendations, and there is a wide range of fixing options to suit all homes.

5) Exact Sail Measurements

A crucial step in the manufacturing process, exact sail measurements and fixing heights are recorded. It is important that the sail fits when installed, it only takes a few centimetres to be out. If the measurements are incorrect, then the sail may not fit at all, and it may need to be remade.



6) Sail Manufacturing

Every Sail is designed in 3D using computer software. Using expert knowledge in textiles, the best fabric is chosen, then the 2D panels are machine cut on a plotter table. This is done with high accuracy, so the sails are made perfectly, with minimal sag and puckering.

7) Fabric is Sewn or Welded

All panels are sewn or high frequency welded together. This is done very carefully, by hand. In the end, each join is made stronger than the fabric itself.

8) Triple Reinforced Corner Patches

Each corner is reinforced with a triple layer of fabric. This improves strength in an area that would otherwise be the sail's weak spot. The chance of sail deterioration is minimized, and lifetime is increased.

Shadeform Contact Details

08 8354 2116

enquiries@shadeform.com.au

www.shadeform.com.au





9) **Stitching Thread**

Using a special PTFE thread, there is almost zero chance of the sail edges coming undone prematurely. The thread is of the highest strength possible, it has a lifetime warranty, and it is resistant to UV breakdown.



10) **Stainless Steel Wire Edges, Fixings, and Fittings**

Wire edges make a sail more durable during big storms. This allows the sail to last much longer than ordinary webbing type sails. A stainless-steel wire is cut and individually swaged, then inserted into a hemmed edge pocket. Stainless D-rings are sewn in each corner of the sail. Steel chain, shackles, and turnbuckles are used for fixings.



THE FINAL RESULT

When using the above manufacturing methods, you can create the perfect shade sail (see example on the right). This Sail won't flap in the wind and it will stay up for many years to come. An expert installation team is used, to ensure the shade fits nicely and is put up without incident. The final step is to check over the Sail, make sure any puckers are removed, and perform a site clean-up.



HOW TO SPOT A POORLY CONSTRUCTED A SHADE SAIL

Shortcuts in sail design and manufacturing cause more issues than they solve. Here are some examples of how a shade sail should be made...



Computer designed, machine cut

Hypar shape, no sagging

No puckers, strong fixings

17 CONFIDENTIAL ITEMS**17.2 LAMEROO TOWN CENTRE PROJECT - PLAYGROUND SHADE - AWARDING OF CONTRACT****RECOMMENDATION**

That having considered agenda Item 17.2 in confidence under section 90 (2) and (3) (k) of the Local Government Act 1999, the Council pursuant to section 91 (7) of the Act orders that the documents considered by the Council, including the officer's report and all minutes be retained in confidence. This order is to be reviewed at or before the ordinary Council meeting to be held in January 2024, as to if this order is to continue in operation.

**MOVED COUNCILLOR NEVILLE PFEIFFER
SECONDED COUNCILLOR TREVOR POCOCK**

That having considered agenda Item 17.2 in confidence under section 90 (2) and (3) (k) of the Local Government Act 1999, the Council pursuant to section 91 (7) of the Act orders that the documents considered by the Council, including the officer's report and all minutes be retained in confidence. This order is to be reviewed at or before the ordinary Council meeting to be held in January 2024, as to if this order is to continue in operation.

CARRIED.