

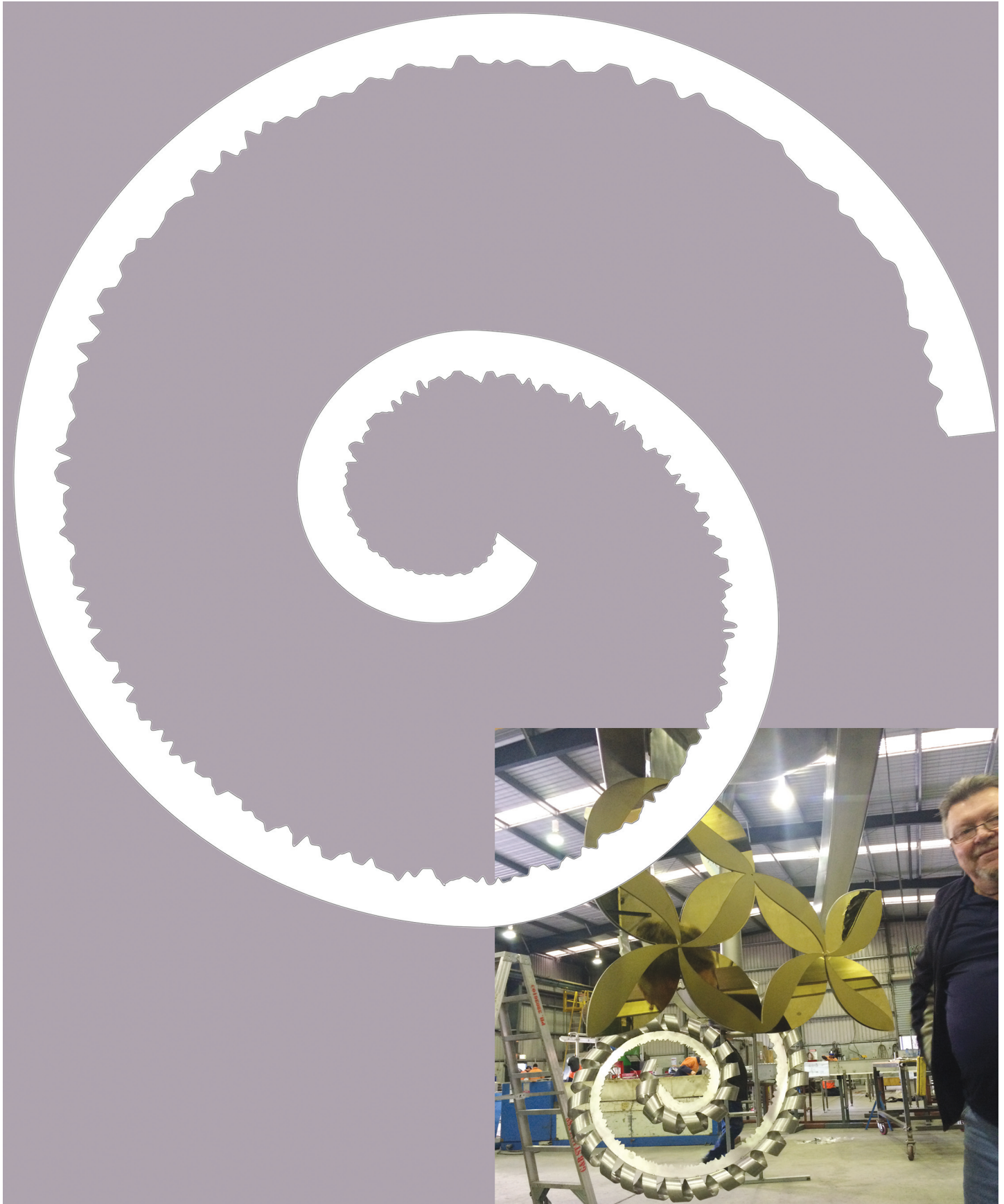
# Artwork Maintenance Manual 2016 - New Nature

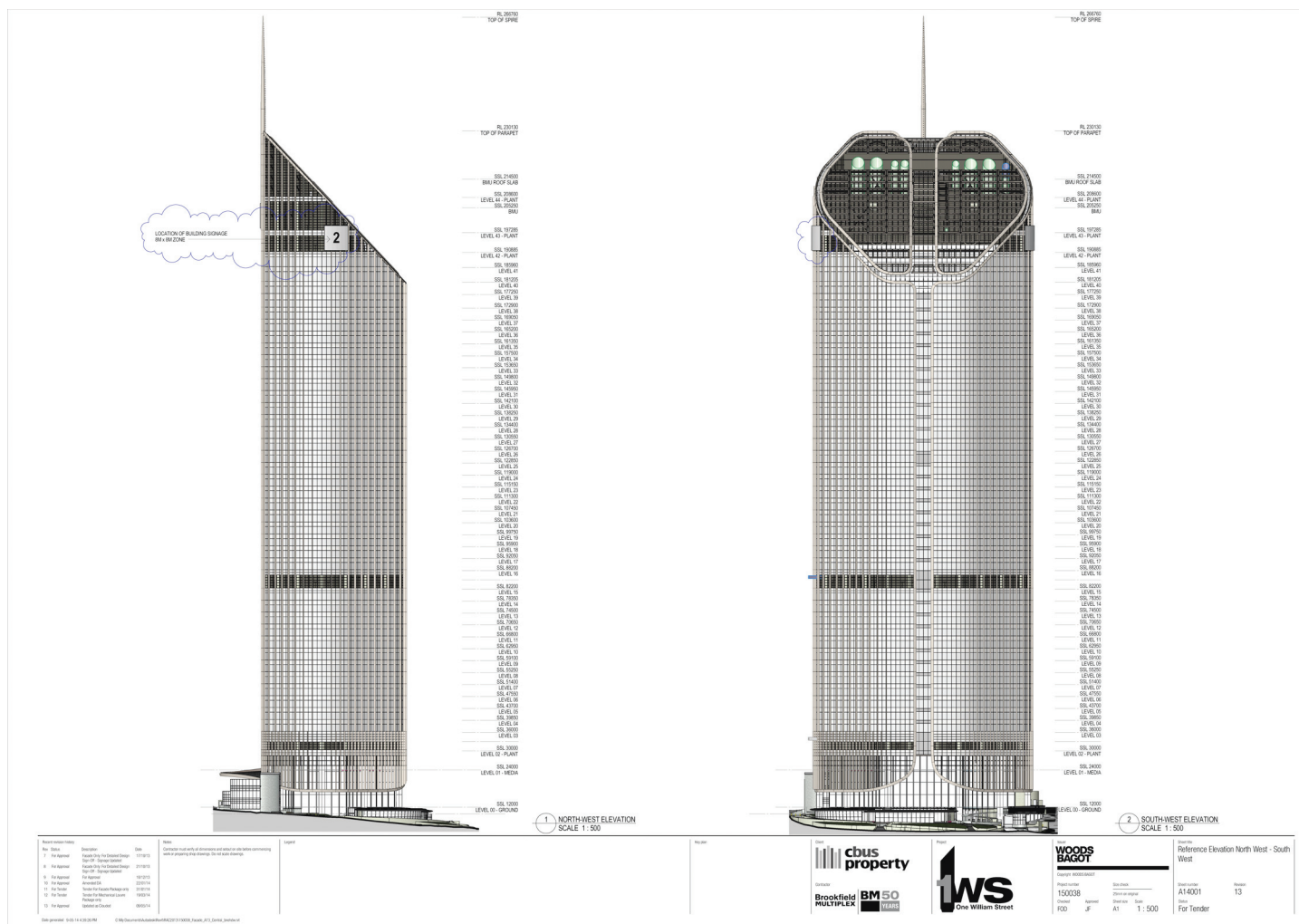
Foyer Sculptures x3 Cbus Property - 1 William Street Pty Ltd

**Barbara Heath**



Jeweller to the Lost





The Woods Bagot conceptual design proposes a building in a curated landscape. The artwork design is in response to this integrated greening rationale as well as the artist's ongoing work with relationship between object and memory.





## Overview:

The first concepts in response to the artwork commission brief were presented on 30/5/2014.

### Expression of interest - (Public Art)

1 William Street Brisbane

Barbara Heath

20/3/2014

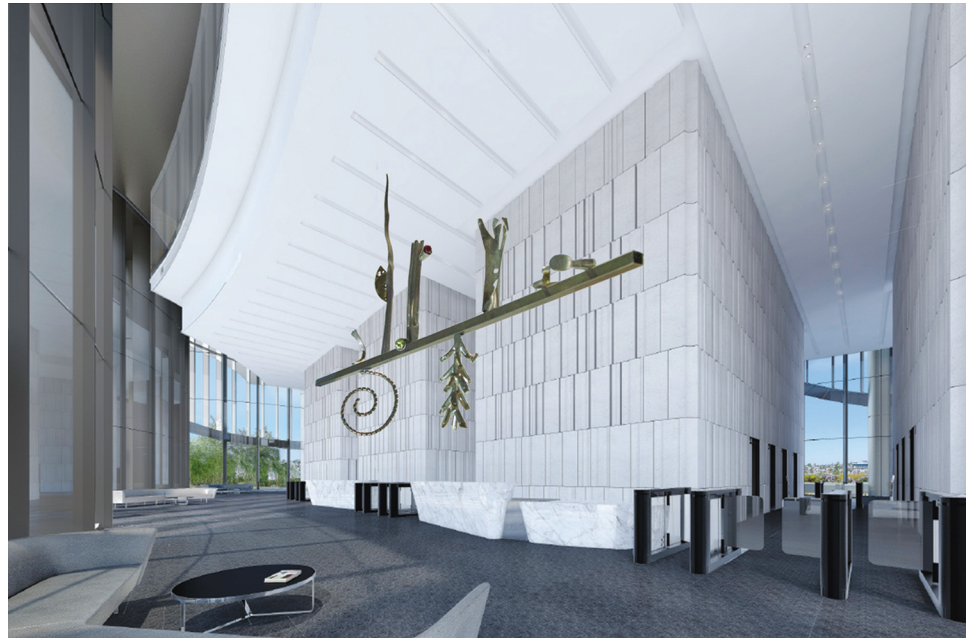
My work as an artist stems from a 40 year studio practice as a jeweller.

Reflection on making and material culture has informed my thinking but what I may not have anticipated from working in this field is the aspect of connectedness to my community. The intimate collaborative nature of making meaningful objects that articulate personal stories at a human scale. To here that my work has brought me close to people as they seek the right object to witness the depths of their emotions.

As the work crosses from human to urban scale, there are similar histories and symbolism as these narratives expand to scope ideas of place and of a collective history. One recurring theme draws on 19th century Queensland vernacular architectural detail, specifically the lattice screens and shade devices which provide shelter from the harsh light of our hot climate. The lattice permits light but also casts shadows. Implying both protection and barrier, logic and sensuality the lattice speaks of transition and an opportunity for passage.

Threads of continuity, belonging and inheritance are explored in the 'Tisoombi' series - informed through research into Queensland's colonial workforce. Following the history of this urban settler's skill set and its migration across centuries and continents, informants share that materially expresses this genealogy as well as the shifting, permeable boundaries between craft, trade and industry.

Recent collaborative work with Marian Drew referenced women's gardens, dreams and imaginary landscapes. Similarly my own migrations to and from Tasmania and Queensland are revealing deeper reflections on place and continuity.



The commission brief invited us to scope a response to the foyer void of the building. We proposed an artwork of high visual quality and impact to address this location.

## 1 William Street - Barbara Heath Design Response

### Conceptual Statement continued

The objects comprise abstracted forms; gestures of growth and decay which evolve above and below ground. Ambiguity of scale and placement contribute to the sense of a dreamlike, remembered or future plant scape. Looking upwards through the artwork places the viewer metaphorically beneath the ground, a location of potentiality, becoming, germination. Above, sprouting forms unfurl into the void or like fungi, expand and puff on the surface where fallen blossoms throw glints of colour.



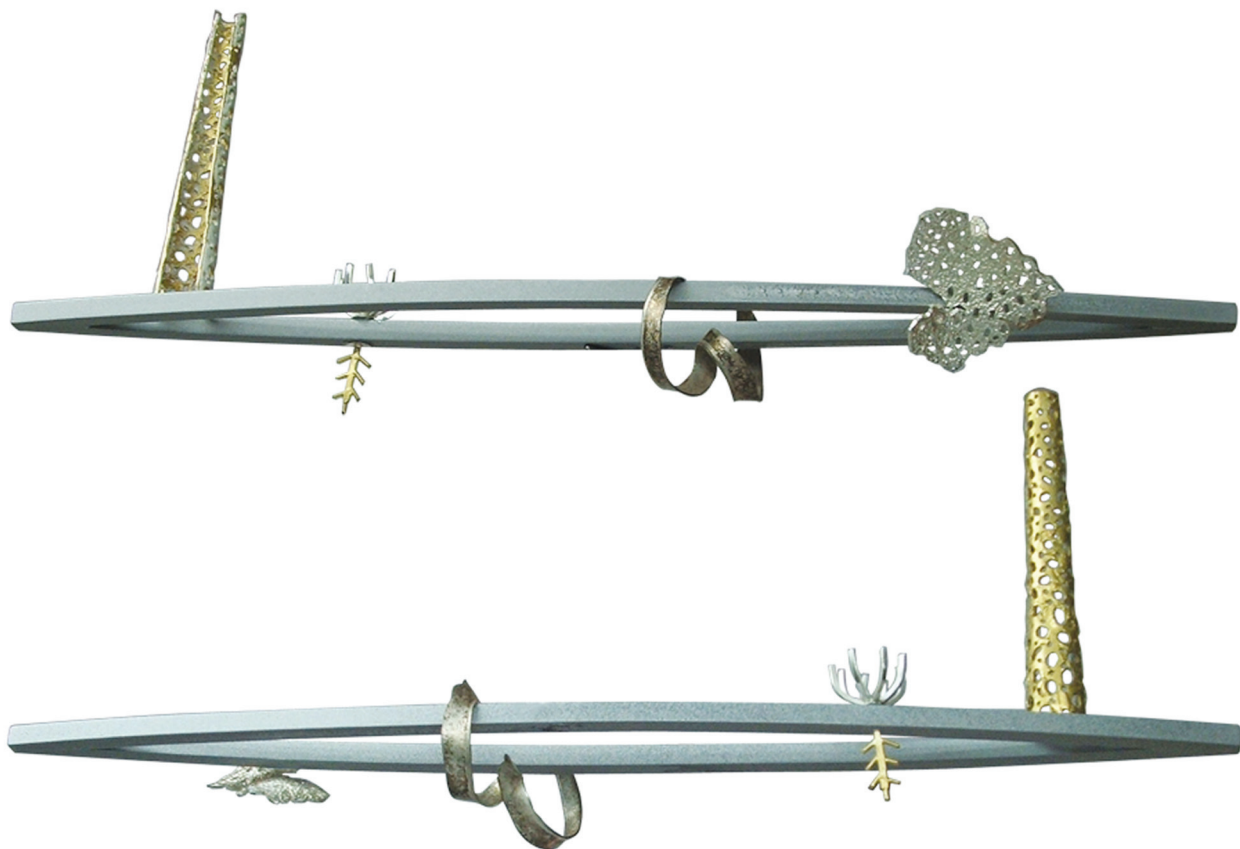
## Overview continued:

The design development presentation on 18/11/2014 resolved the following:

### Title - New Nature

The group of three suspended sculptural works propose a plant world of the imagination by juxtaposing fragments of plant-like forms to create visual poetics. Abstract gestures of a remembered or future plant scape explore our complex sensate experience of nature to endorse the botanical place-making of the building.

### MODEL 1 - BOTH SIDES



1 William Street © Bh 2014

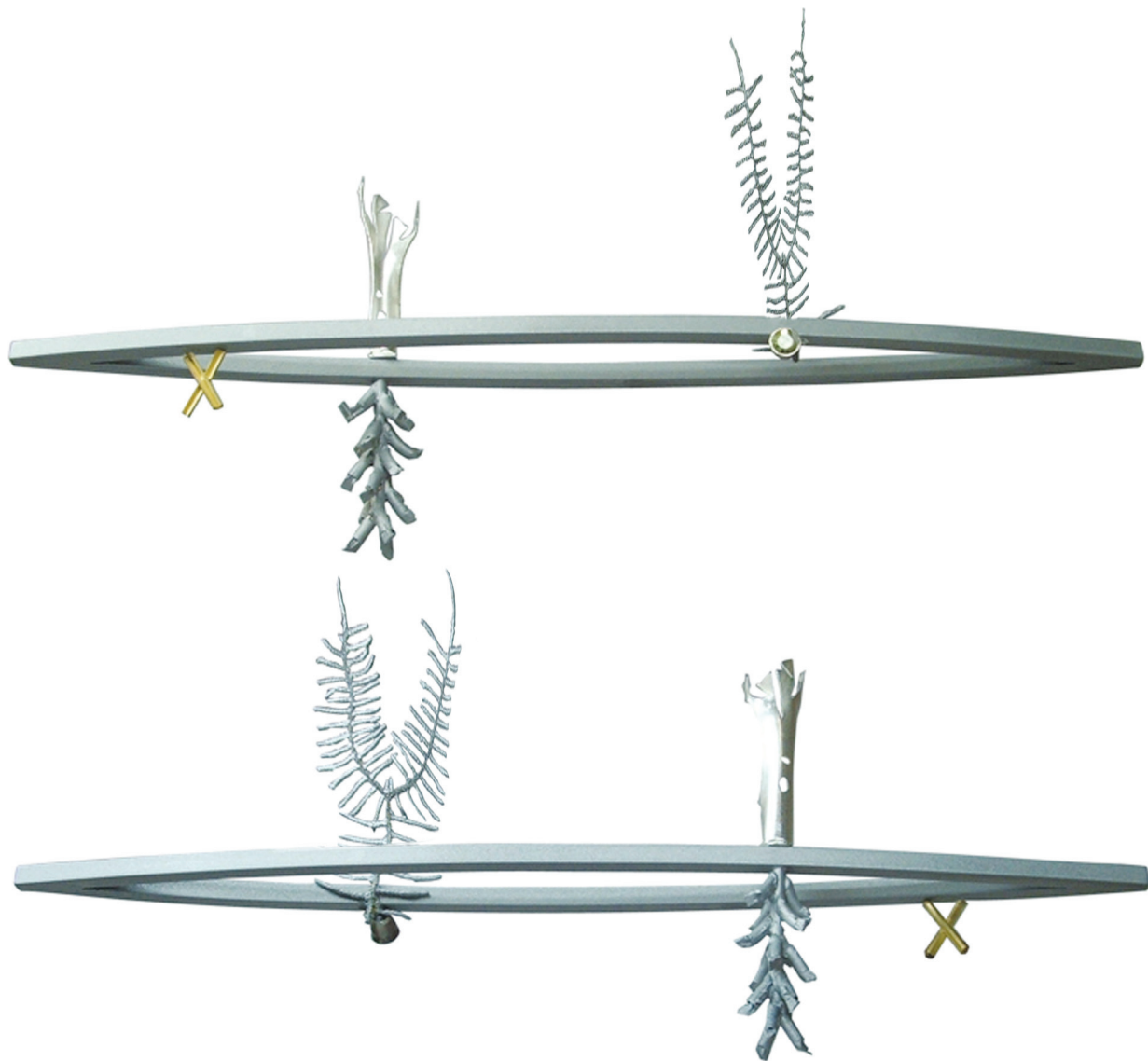


## Overview continued:

### Description

The artwork is constructed in stainless steel; variously formed, cast, water-jet cut, perforated, embossed and coloured to realise diverse visual texture and form. Each of the three open elliptical frames of stainless steel tubing measures 6m long x 0.6m wide and supports various objects projecting above and below. Objects range in height from 3m to 150mm. Each frame is suspended 5 metres above the ground and their placement within the ground floor interior affords a range of viewpoints so that the artworks correspond as a group.

### MODEL 2 - BOTH SIDES



1 William Street © Bh 2014

## Overview continued:

### Lighting

The artwork evokes the varied form and textural complexity of the natural world.

These elements can best be externally illuminated to capture the highlights of the polished reflective surfaces.

Prefer no external wiring on the suspension cable and seeking to eradicate any maintenance issues.

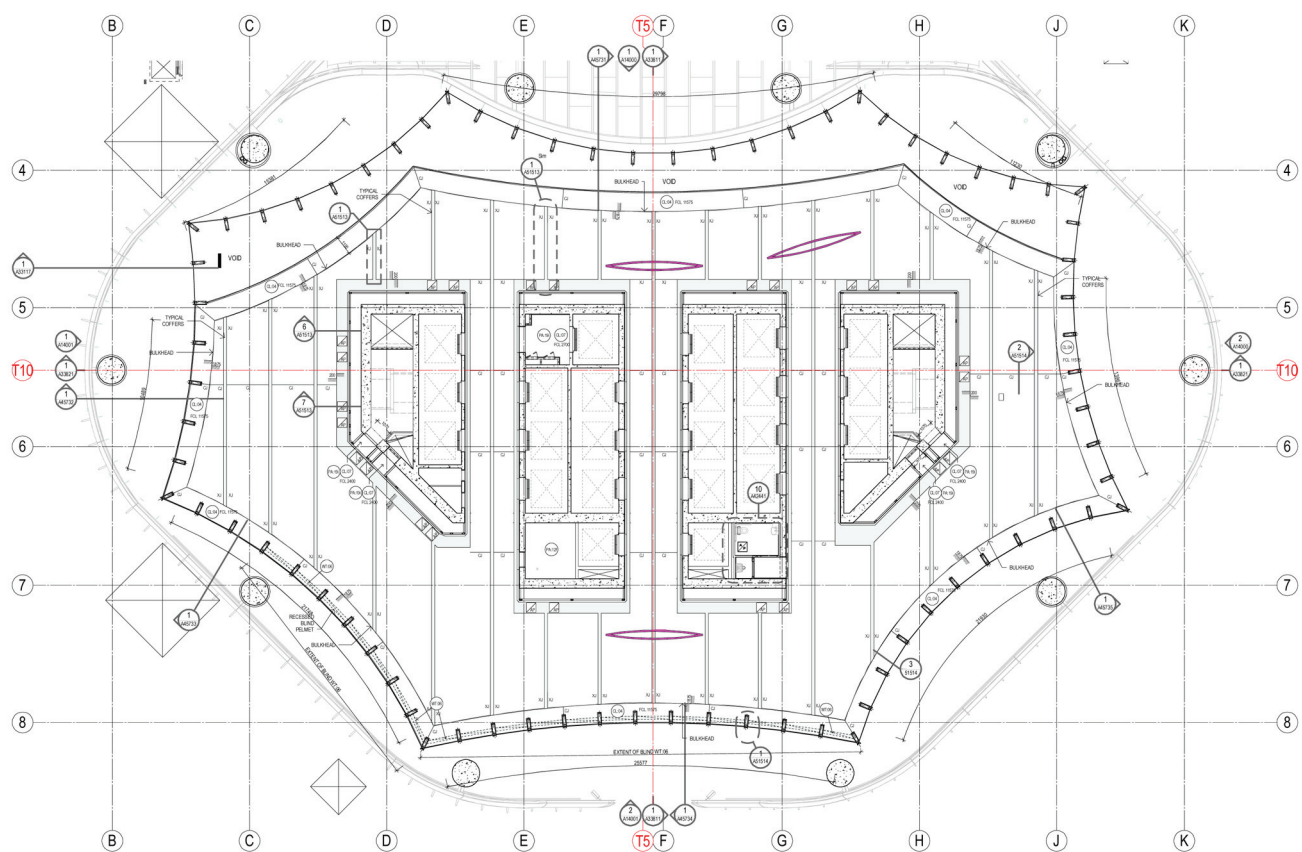
Barbara Heath

### MODEL 3 - BOTH SIDES



1 William Street © Bh 2014

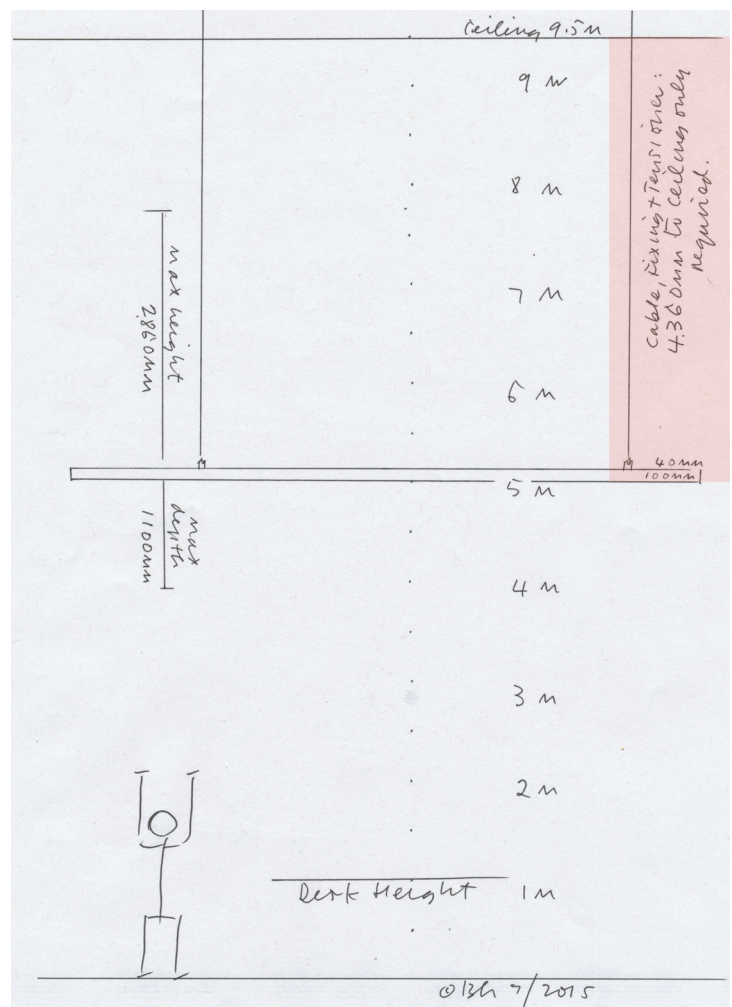




## Location

Preliminary artwork positions adopted with architect, client and curator 11/2014.

Planning the schedule and fabrication was the next stage while briefing our engineer on the cable and support system.



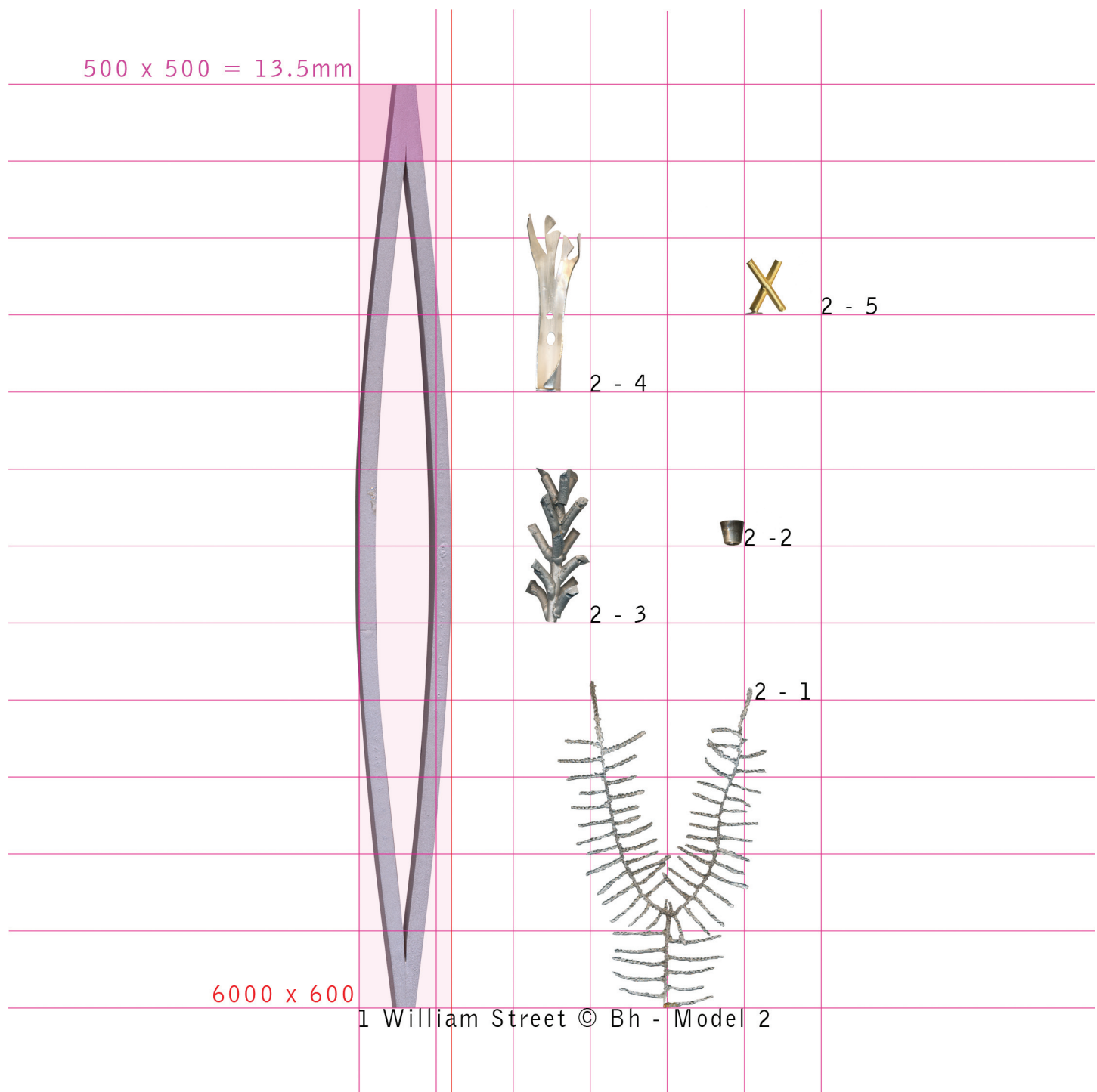
500 x 500 = 13.5mm

6000 x 600

1 William Street © Bh - Model 1

**Model 1 = 113kg approx** Base Frame 6000mm L x 600mm W Rectangle hollow section 3mm stainless 100mm H x 50mm W = **108kg**  
Suspension at 2 support positions, 1800mm in from each end. Supplied 20/05/2015  
**Element 1-1 = 16kg** Flat sheet 1790mm H x 420mm W at TOP x 650mm W at BASE. Actual 1790mm H x 163mm W at TOP x 420mm W at BASE. x1 1.6mm Gold #8/Ti etched sheet, rolled and shaped after water jet cut. Outside masked and white paint, gold sprayed interior + fixings. Vector lace hole file supplied. **Element 1-2 = 7kg** Flat sheet 700mm H x 745mm W x1 1.6mm stainless sheet - Rimex 9EH/BA water jet cut and shaped + fixings. Vector lace hole file supplied. Bonded the .07 sheets to a 2.0mm stainless steel mounting plate. **Element 1-3 = 4kg** Flat sheet 1350mm H x 745mm W 3 mm stainless sheet 2B finish, secured and used as a brace across frame. Vector shape file supplied. Shaped as sample. **Element 1-4 = 1kg** Flat sheet 370mm H x 165mm W Constructed in three sections; x1 full shape + x2 stem only shapes all water jet cut. Rimex Gold Pinstripe .9 mm stainless. Vector shape file supplied. Apply and tack layers + fixings. **Element 1-5 = 5kg** x 4 lengths of 12mm square or flat plate stainless. Bent up with pinched ends, slotted welded + central fixing.





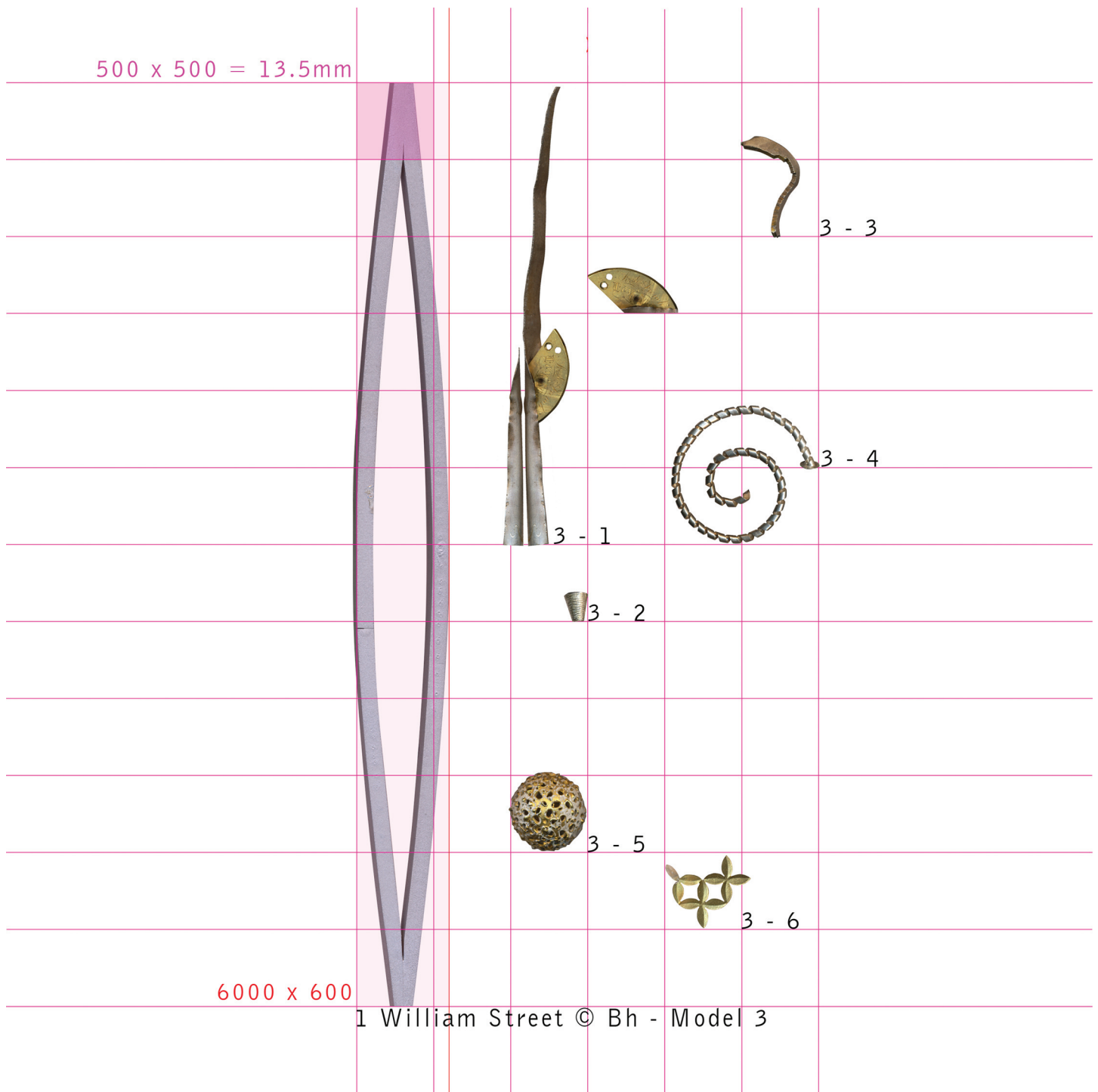
**Model 2 = 123.5 kg** Base Frame 6000mm L x 600mm W Rectangle hollow section 3mm stainless 100mm H x 50mm W = **108kg**

Suspension at 2 support positions, 1800mm in from each end. Supplied 20/05/2015

**Element 2-1 = 24kg** Flat sheet 2400mm H x 1200mm W Actual 2000mm H x 1200mm

W. Stem: 3 sections stainless steel 1.6 BA5wl pattern vector cut to shape and stitched welded to 3.0mm stainless steel back bone. Branches: stainless steel sheet 1.6 5wl vector cut and weld to stem. + fixings. Fixing add to top of one branch to attach to cable, (hog-tied to cable). **Element 2-2 = 1kg** Cone with fitted coloured and faceted perspex 135mm L x 120mm W BASE x 150mm W TOP 1.6mm stainless with 2B finish and highly polished interior. Outer ring holds perspex in place with fixing to inside lug. Bolted fixing with stand-off. **Element 2-3 = 10kg** Stainless steel tube 75mm Dia x 14 short sections, each approx. 185mm L welded onto stem to create tree 1000mm H + fixing. Glass bead blast finish. **Element 2-4 = 7kg** 2mm 2B finish Flat sheet 1090mm H x 650mm W x 510mmW at BASE Vector art supplied water cut, rolled and shaped with welded base + fixing.

**Element 2-5 = 1.5kg** x 2 folded intersecting V sections 1.6 mm stainless steel 2B finish Each 128mm W x 400mm L Gold paint.



**Model 3 = 144kg** Base Frame 6000mm L x 600mm W Rectangle hollow section 3mm stainless 100mm H x 50mm W = **108kg** Suspension at 2 support positions, 1800mm in from each end. Supplied 20/05/2015

**Element 3-1 = 39kg** 2 mm stainless steel 2B finish, cut and rolled with welded base + fixings. Flat sheet 3000mm H x 535mm W tapering to 50mm W at TOP Vertical fold to upper half to strengthen with inserted shape 560mm H x 350mm W. Water jet cut from Vector file which includes typography. + x1 sheet of 1.6 mm Gold Mirror stainless steel, second shape cut in 4mm stainless plate and welded under support with vertical 90 degree support. 6.0mm base plate welded frame via spokes to support item. **Element 3-2 = 1kg** (same as 2-2 - make x2) Cone with fitted coloured and faceted perspex 135mm L x 120mm W BASE x 150mm W TOP 1.6mm stainless with 2B finish and highly polished interior. Outer ring holds perspex in place with fixing to inside lug. Bolted fixing with stand-off.

**Element 3-3 = 3kg** Plate 930mm L x 128mm W 10mm aluminium glass bead blast finish, polish edges only + bead blast. Water cut and shaped. Vector file supplied + fixings. **Element 3-4 = 10kg** 1150mm L x 50mm W flat strip to start, rolled to coil in lathe then formed to spiral shape. Additional 2.0mm stainless steel coil in 5.0 stainless using vector file cut spine to hole shape, tacked to coil + fittings. **Element 3-5 = 8kg** Stainless steel sphere, spun in x2 parts 500mm dia Hand marked holes and plasma cut so as to retain raw melted edges + gold paint + fixings.

**Element 3-6 = 3kg** Flat sheet 440mm x 440mm 1.6mm gold mirror finish stainless steel. Water jet cut and central fold line. Make tool to bend Vector pattern to be supplied + fixings.





Fabrication at G&B Stainless during 06+07/2015. Architect and client view of the three suspensions on 10/07/2015.





Engineer's certification to suspension points and sculpture at  
G&B Stainless - Form 16 13/08/16 & Form 15 18/09/16 -  
Bligh Tanner 2014 242 300.

## Form 15—Compliance Certificate for building Design or Specification

NOTE	<p>This is to be used for the purposes of section 10 of the <i>Building Act 1975</i> and/or section 46 of the <i>Building Regulation 2006</i>.</p> <p><b>RESTRICTION:</b> A building certifier (class B) can only give a compliance certificate about whether building work complies with the BCA or a provision of the QDC. A building certifier (Class B) can not give a certificate regarding QDC boundary clearance and site cover provisions.</p>
<p><b>1. Property description</b> This section need only be completed if details of street address and property description are applicable. EG. In the case of (standard/generic) pool design/shell manufacture and/or patio and carport systems this section may not be applicable.</p> <p>The description must identify all land the subject of the application. The lot &amp; plan details (eg. SP / RP) are shown on title documents or a rates notice. If the plan is not registered by title, provide previous lot and plan details.</p>	<p>Street address <i>(include no., street, suburb / locality &amp; postcode)</i></p> <p>1 William St, Brisbane</p> <p>Postcode 4000</p> <p>Lot &amp; plan details <i>(attach list if necessary)</i></p> <p>In which local government area is the land situated?</p> <p>Brisbane City Council</p>
<p><b>2. Description of component/s certified</b> Clearly describe the extent of work covered by this certificate, e.g. all structural aspects of the steel roof beams.</p>	<p>All structural aspects of the suspended steel frames and sculptures including:</p> <p>Steelwork frames and suspension lugs</p> <p>Sculptures and connections to frames</p> <p>Specification of suspension cables</p>
<p><b>3. Basis of certification</b> Detail the basis for giving the certificate and the extent to which tests, specifications, rules, standards, codes of practice and other publications, were relied upon.</p>	<p>In accordance with BCA, relevant Australian Standards AS3600, AS3700, AS4100, AS1170.1, AS1170.2, AS1684.2, AS1720</p>
<p><b>4. Reference documentation</b> Clearly identify any relevant documentation, e.g. numbered structural engineering plans.</p>	<p>Bligh Tanner structural drawings 2014.242.300 S01, 2014.242.300 S02</p> <p>G&amp;B Shop drawing 23819-04 Rev B</p>

### LOCAL GOVERNMENT USE ONLY

• Date received	•	• Reference Number/s	•
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**5. Building certifier reference number**

Building certifier reference number

**6. Competent person details**

A competent person for building work, means a person who is assessed by the building certifier for the work as competent to practise in an aspect of the building and specification design, of the building work because of the individual's skill, experience and qualifications in the aspect. The competent person must also be registered or licensed under a law applying in the State to practice the aspect.

If no relevant law requires the individual to be licensed or registered to be able to give the help, the certifier must assess the individual as having appropriate experience, qualifications or skills to be able to give the help.

If the chief executive issues any guidelines for assessing a competent person, the building certifier must use the guidelines when assessing the person.

Name (*in full*)

Rod Bligh

Company name (*if applicable*)

Bligh Tanner Pty Ltd

Contact person

Phone no. *business hours*

07 3251 8555

Mobile no.

Fax no.

07 3251 8599

Email address

Rod.bligh@blightanner.com.au

Postal address

PO Box 612

FORTITUDE VALLEY QLD

Postcode 4006

Licence or registration number (*if applicable*)

RPEQ 3514

**7. Signature of competent person**

This certificate must be signed by the individual assessed by the building certifier as competent.

Signature



Date

18/09/2015

Bligh Tanner Pty Ltd  
ABN 32 061 537 666  
Level 9 269 Wickham St  
PO Box 612 Fortitude Valley  
QLD 4006 Australia  
T +61 7 3251 8555  
blightanner@blightanner.com.au  
[blightanner.com.au](http://blightanner.com.au)

+ Directors  
Rod Bligh  
Chris Tanner  
Paul Callum  
David Hamlyn-Harris  
Paul Easingwood  
Cameron Riach

**BLIGH  
TANNER**

13 August 2015

Ref. no. 2014.242.300

Cbus Property 1 William St P/L  
Level 7, 550 Bourke St  
MELBOURNE VIC 3000

Dear Sir/Madam,

**PROJECT: 1 William St, Brisbane – 'New Nature' Artwork**  
**RE: Form 16 Certificate**

Enclosed is Inspection/Aspect Certificate Form 16 for the 1 William St, Brisbane  
'New Nature' Artwork.

Please call our office on 07 3251 8555 if you have any questions.

Yours faithfully,



Simon Lewis  
Structural Engineer  
BLIGH TANNER PTY LTD

Attach: Compliance Certificate

## Form 16—Inspection Certificate / Aspect Certificate / QBSA Licensee Aspect Certificate

**NOTE**

This form is to be used for the purposes of section 10(c) and 239 of the *Building Act 1975* and/or sections 32, 35B, 43, 44 and 47 of the *Building Regulation 2006*.

**1. Indicate the type of certificate**

The stages of assessable building work are listed in section 24 of the *Building Regulation 2006* or as conditioned by the building certifier.

An aspect of building work is part of a stage (e.g. waterproofing).



**Inspection Certificate for**



Stage of building work (for single detached class 1a or class 10 building or structure)  
(indicate the stage) \_\_\_\_\_



Aspect of building work

(indicate the aspect) Completion



**QBSA Licensee Aspect Certificate**

**Scope of the work**

Scope of the work covered by the licence class under the *Queensland Building Services Authority Regulation 2003* for the aspect being certified, e.g. scope of work for a waterproofing licence is "installing waterproofing materials or systems for preventing moisture penetration". An aspect being certified may include "wet area sealing to showers".


**2. Property description**

The description must identify all land the subject of the application.

The lot & plan details (eg. SP / RP) are shown on title documents or a rates notice. If the plan is not registered by title, provide previous lot and plan details.

Street address (include no., street, suburb / locality & postcode)

1 William St, Brisbane

Postcode 4000

Lot & plan details (Attach list if necessary)

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In which local government area is the land situated?

Brisbane City Council

**3. Building/structure description**

Building/structure description

3 x Suspended Artworks

Class of building / structure

N/A

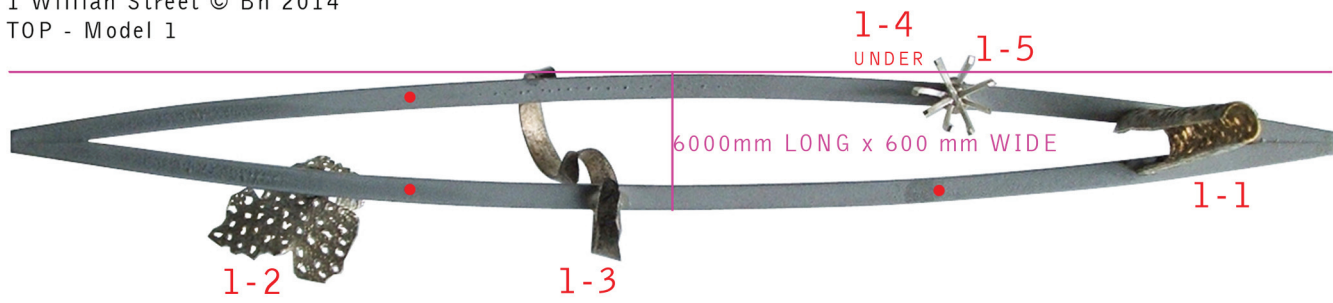
**LOCAL GOVERNMENT USE ONLY**

• DATE RECEIVED	•	• REFERENCE NUMBER/S	•
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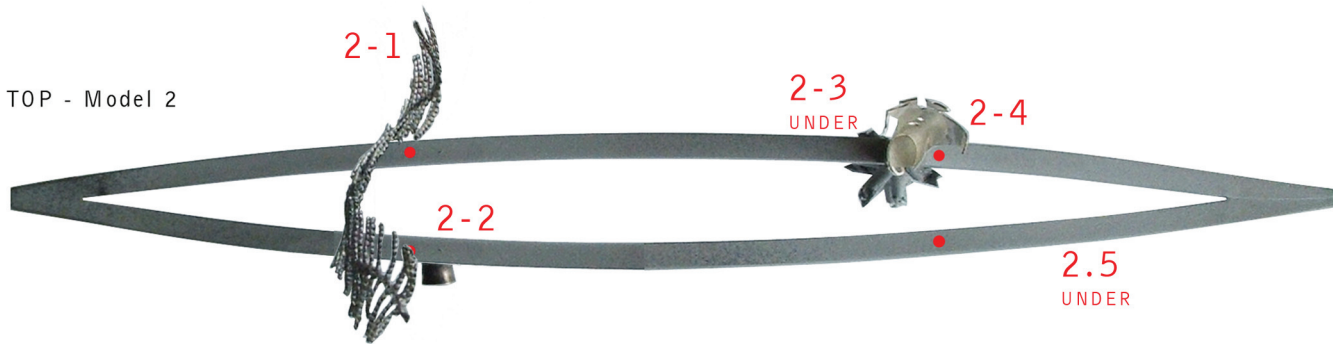




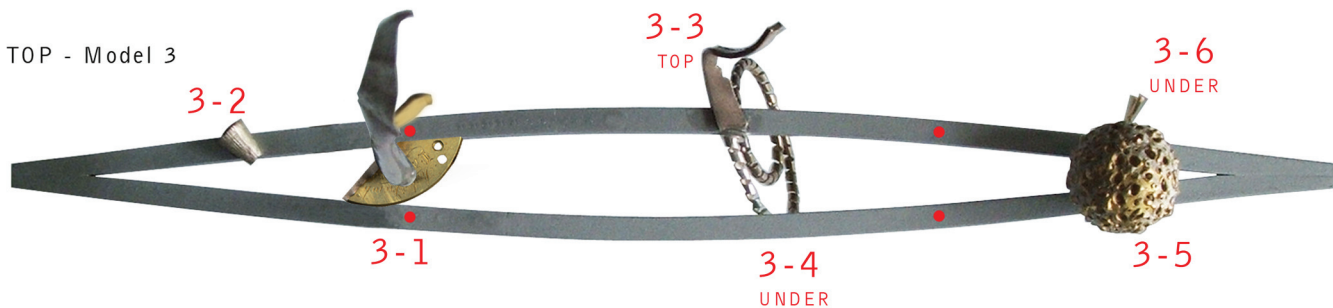
<b>4. Description of component/s certified</b> Clearly describe the extent of work covered by this certificate, e.g. all structural aspects of the steel roof beams.	All structural aspects of the suspended steel frames and sculptures including: Steelwork frames and suspension lugs Sculptures and connections to frames    																																													
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<b>8. Building Certifier, competent person or QBSA licensee details</b> A <b>competent person</b> must be assessed as competent before carrying out the inspection. The builder for the work cannot give a stage certificate of inspection. A competent person is assessed by the building certifier for the work as competent to practice in an aspect of the building and specification design, because of the individual's skill, experience and qualifications. The competent person must be registered or licensed under a law applying in the State to practice the aspect. If no relevant law requires the individual to be licensed or registered, the certifier must assess the individual as having appropriate experience, qualifications or skills to be able to give the help. If the chief executive issues any guidelines for assessing a competent person, the building certifier must use the guidelines when assessing the person.	<table border="0"> <tr> <td colspan="3">Name (<i>in full</i>)</td> </tr> <tr> <td colspan="3"><input type="text" value="Rod Bligh"/></td> </tr> <tr> <td colspan="2">Company name <i>if applicable</i></td> <td>Contact person</td> </tr> <tr> <td colspan="2"><input type="text" value="Bligh Tanner Pty Ltd"/></td> <td><input type="text"/></td> </tr> <tr> <td>Phone no. <i>business hours</i></td> <td>Mobile no.</td> <td>Fax no.</td> </tr> <tr> <td><input type="text" value="07 3251 8555"/></td> <td><input type="text"/></td> <td><input type="text" value="07 3251 8599"/></td> </tr> <tr> <td colspan="3">Email address</td> </tr> <tr> <td colspan="3"><input type="text" value="Rod.bligh@blighttanner.com.au"/></td> </tr> <tr> <td colspan="3">Postal address</td> </tr> <tr> <td colspan="3"><input type="text" value="PO Box 612"/></td> </tr> <tr> <td colspan="2"><input type="text" value="FORTITUDE VALLEY QLD"/></td> <td>Postcode <input type="text" value="4006"/></td> </tr> <tr> <td colspan="2">Licence class</td> <td>Licence number</td> </tr> <tr> <td colspan="2"><input type="text"/></td> <td><input type="text" value="RPEQ 3514"/></td> </tr> <tr> <td colspan="3">Date approval to inspect received from building certifier</td> </tr> <tr> <td colspan="3"><input type="text"/></td> </tr> </table>	Name ( <i>in full</i> )			<input type="text" value="Rod Bligh"/>			Company name <i>if applicable</i>		Contact person	<input type="text" value="Bligh Tanner Pty Ltd"/>		<input type="text"/>	Phone no. <i>business hours</i>	Mobile no.	Fax no.	<input type="text" value="07 3251 8555"/>	<input type="text"/>	<input type="text" value="07 3251 8599"/>	Email address			<input type="text" value="Rod.bligh@blighttanner.com.au"/>			Postal address			<input type="text" value="PO Box 612"/>			<input type="text" value="FORTITUDE VALLEY QLD"/>		Postcode <input type="text" value="4006"/>	Licence class		Licence number	<input type="text"/>		<input type="text" value="RPEQ 3514"/>	Date approval to inspect received from building certifier			<input type="text"/>		
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<b>9. Signature of building certifier, competent person or QBSA licensee</b> Note: A building certifier must sign this form for temporary swimming pool fencing under section 4 of Schedule 1 of QDC MP 3.4.	<table border="0"> <tr> <td>Signature</td> <td>Date</td> </tr> <tr> <td><input type="text" value="Rod Bligh"/></td> <td><input type="text" value="13/08/2015"/></td> </tr> </table>	Signature	Date	<input type="text" value="Rod Bligh"/>	<input type="text" value="13/08/2015"/>																																									
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TOP - Model 2



TOP - Model 3



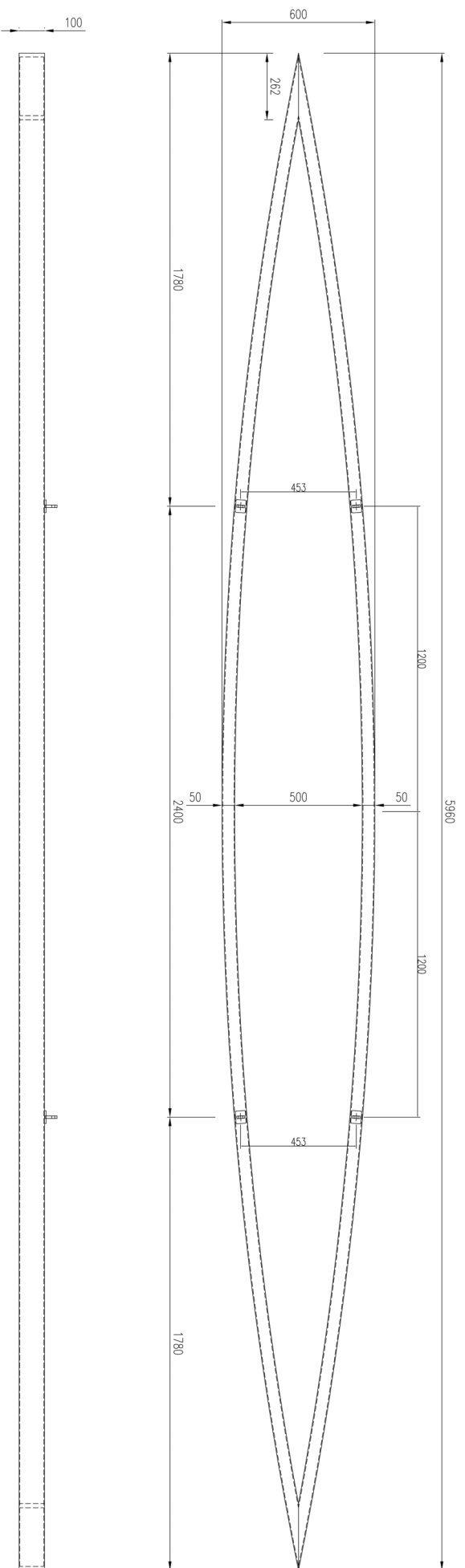
## TOP OF 3 MODELS FOR PLACEMENT ON FINAL PLAN

### Suspension points

Engineer conveyed balance points after final weights were confirmed. The element positions were adjusted to fit as per the top view plan, above. The suspension points for each frame were then positioned on the ground and projected to the ceiling to pinpoint the structural frame positions.

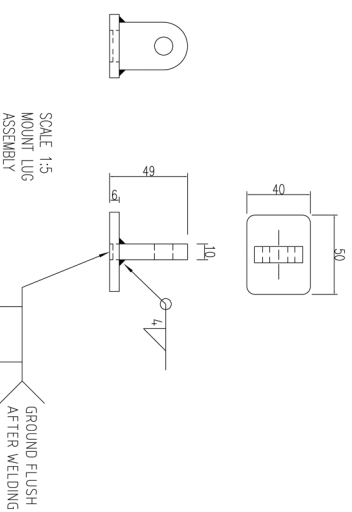
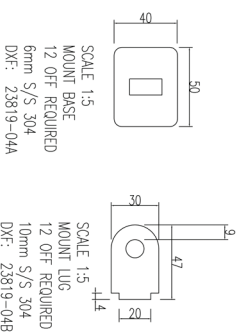
Final inspection by 18/09/2015 when Bligh Tanner Form 15 was certified and the three sculptures were disassembled and wrapped for storage until delivery date, 7/09/2016.

DO NOT SCALE IF IN DOUBT ASK

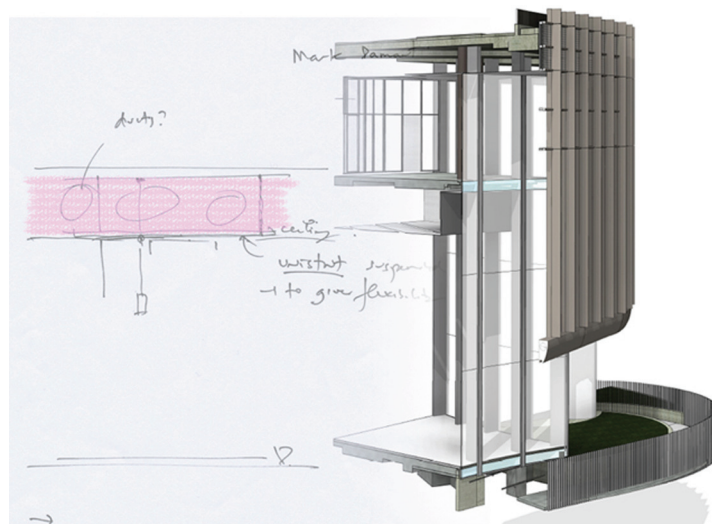


ARTWORK SUPPORT FRAME  
3 OFF REQUIRED

100x50x3 S/S 304 No4 SHS  
ROLL TO R14901  
MITRE, WELD AND POLISH JOIN No4

[illegible]





## In ceiling suspension

The architectural modelling above initiated preliminary designs for the in ceiling steel hangers and cable suspension system by our engineer Bligh Tanner. Responsibility for this component of the project was assumed by BMPX designers & engineers and BMPX manufactured and installed these and supplied Ronstan suspension cables to Bligh Tanner specifications.

See 'ceiling space structural hanging details' - BMPX-Transmit from Christopher Parker - 007308 / 07/10/2015.

### Uploaded Documents ([Zip download all files](#))

Document No.	Revision	Title	Status	File Name
12296-01 AMS-CRA-0802	A	GROUND FLOOR HANGER DETAILS	Issued For Approval	<a href="#">12296-01 AMS-CRA-0802.pdf</a>
12296-01 AMS-CRA-0801	A	GROUND FLOOR HANGER DETAILS	Issued For Approval	<a href="#">12296-01 AMS-CRA-0801.pdf</a>
12296-01 AMS-CRA-0800	A	GROUND FLOOR ARRANGEMENT	Issued For Approval	<a href="#">12296-01 AMS-CRA-0800.pdf</a>
12296-01 AMS-CRA-0803	A	GROUND FLOOR HANDGER DETAILS	Issued For Approval	<a href="#">12296-01 AMS-CRA-0803.pdf</a>

## STRUCTURAL CABLE OPTIONS

### SS GS Cable System Options

#### ACS1 - Compact Adjuster to Compact Adjuster

SS



##### DESCRIPTION

The ultimate aesthetic adjustable structural cable tendon.

##### SPECIFIC FEATURES

- Wire diameters 4mm (5/32") to 22mm (7/8").
- A minimalist, sleek and compact cable solution for static architectural applications.
- Ultimate aesthetics in stainless steel.
- Fully adjustable telescoping end fittings.
- Fully concealed threads.
- Recessed clevis pins positively secured with circlips.
- Moderate adjustment.
- A simple and effective adjustable cable.

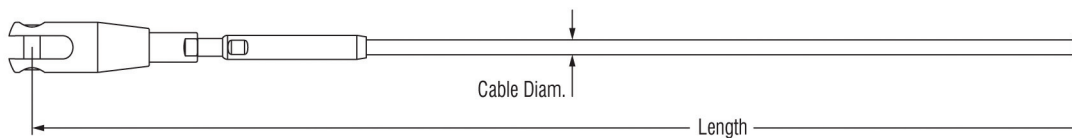
##### APPLICATIONS

- Used in highly visible architectural applications where adjustment is required.
- Suited to applications where adjustment is required.
- Suited to static applications where tensioning is required.

## STRUCTURAL CABLE SYSTEMS

### ACS1 - Compact Adjuster to Compact Adjuster

#### ACS1 - Systems

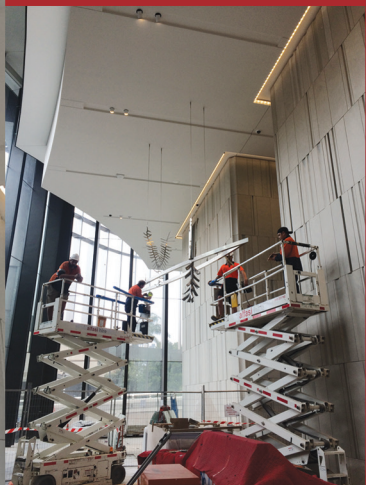
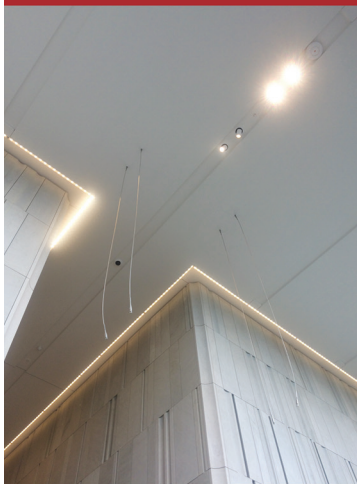


#### SS Metric Cables

PRODUCT No.	CABLE Ø mm	CABLE CONSTRUCTION
ACS1-SSM04	4	1x19
ACS1-SSM05	5	1x19
ACS1-SSM06	6	1x19
ACS1-SSM08	8	1x19
ACS1-SSM10	10	1x19
ACS1-SSM12	12	1x19
ACS1-SSM14	14	1x19
ACS1-SSM16	16	1x19
ACS1-SSM19	19	1x19
ACS1-SSM22	22	1x19







Install day 07/09/2016 - New Nature 1 & 2.





Install day 07/09/2016 - New Nature 3.



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Web Site [www.gbstainless.com.au](http://www.gbstainless.com.au)

**G & B STAINLESS PTY LTD**

**MAINTENANCE MANUAL (GBM199)**

for

**ARTWORK**

**supplied to:**

**BARBARA HEATH**

**For**

**1 WILLIAM STREET, BRISBANE**

**Original Prepared:**

**31 August 2016**



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Fact Sheet GB852

Artwork

Appendix

Australian Stainless Steel Development Association (ASSDA ) –  
Technical FQA No 2 – Cleaning your indoor stainless steel

The drawing and technical data and parts associated with this document are covered by the Copyright obligations of the notations included on the drawings, which read as follows.

THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF G&B Stainless Pty Ltd THE MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT OF THE COMMISSION. UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM WHATSOEVER IS PROHIBITED. ©

This document sets out the operation and maintenance of equipment manufactured by G&B Stainless Pty Ltd

### **1.0 SCOPE**

This document is made available to the artwork purchaser in order for them to be able to maintain equipment, listed in Fact Sheet 852 as supplied by G&B Stainless.

It is expected that the Purchaser or their representative will fully read this manual to ensure they are aware of the importance of addressing their obligations for duty of care of workers under Work Health and Safety Legislation and also for maintenance of equipment to ensure long and safe service from equipment.

### **2.0 G & B STAINLESS PTY LTD - MANUFACTURER**

Name of Company	G&B Stainless Pty Ltd
ABN:	41 010 381 692
Address:	163 Magnesium Drive, Crestmead Q 4132
Contact	07 3803 6100 (Telephone) 07 3803 6294 (Fax)
Email	<a href="mailto:info@gbstainless.com.au">info@gbstainless.com.au</a>

### **3.0 DOCUMENT CONTROL**

Following is the record of revision for this documentation:

Edition / Revision	Date	Section	Page	Revision Details

Copies of this User Manual have been issued to the holders nominated hereunder.

User	Position	Signature (signed by company representative)	Issue Date
G&B Stainless	Manufacturer		
Barbara Heath	Customer		



#### **4.0 SAFETY**

This manual is intended to provide sufficient information on the item provided to allow the Purchaser's Safety Officers to undertake a risk assessment and develop safe operating procedures.

**The Purchaser must ensure ALL workers involved in the maintenance of this equipment are fully trained and deemed competent. Where employees do not have English as their main language or where workers have learning / comprehension difficulties it is the responsibility of the Purchaser to ensure the safety guidelines are translated into a format that all employees can understand the be deemed competent.**

#### **5.0 DESCRIPTION OF EQUIPMENT AND INTENDED USE**

Metalwork artwork sculpture designed by Barbara Heath to be displayed at 1 William Street, Brisbane.

#### **6.0 MAINTENANCE INSTRUCTIONS**

G&B Stainless Pty Ltd, in the attached Fact Sheet (as detailed in the contents list), provides a preventative maintenance schedule for this equipment.

#### **7.0 REPAIRS AND MAINTENANCE**

G&B Stainless Pty Ltd will attend to all emergency calls promptly. Emergency Contact details are:

	Telephone Number
G&B Stainless Pty Ltd (corporate office)	07 3803 6100
Barry Harth – Director	0413 947 880
Wayne McGrath – Director	421 778

#### **8.0 CLEANING**

Cleaning is as detailed in the attached Fact Sheet (refer contents list)

## **FACT SHEET GB852 – ARTWORK**

Metal Artwork, designed by Barbara Heath, was made and installed by G&B Stainless Pty Ltd at the new Queensland Government building at 1 William Street Brisbane. This artwork is to be located in the ceiling area of the foyer of the building and as such will not be exposed to any significant dusty environment. Stainless steel is known for its ability to be a clean surface that resists corrosion and rust.

### **INSPECTION**

Annual inspection looking for signs of damage to the surface and integrity of the hangers.

### **WARNING**

Whilst stainless steel is resistant to most forms of corrosion, it is imperative that any halogen salt products do not come in contact with this product. The halogens are easy to recognize as they end in the letter “ine” and some of these would be : Fluorine, Chlorine, Bromine, Iodine, Astatine.

G&B Stainless Pty Ltd accept no responsibility for any pitting or staining of stainless steel artwork were it is deemed that a product containing any halogen salt product came in contact with the artwork.

Watch out for Scratches!

The important thing to remember is that stainless steel can be scratched by careless handling or aggressive scrubbing. Avoid dragging rough items across the surface and be aware that grit trapped under other objects can be the culprit.

**G&B Stainless accept no responsibility for any damage to the stainless steel artwork from incorrect handling resulting in scratches and surface damage.**

### **CARE AND MAINTENANCE**

With annual inspection and regular cleaning, this artwork offers to be virtually care-free. Proper care and maintenance however is necessary and effective cleaning is essential in maintaining the visual integrity of the artwork.

If the artwork is showing signs of a build up of dust, a soft feather duster to gently remove dust build up will be sufficient.

It is imperative that none of the artwork is in contact with cleaners, abrasives or fingerprints. Fingerprints on the mirror trim stainless steel surface are extremely difficult to remove and can damage the surface.

#### **DON'T EVER**

- Rub with steel wool (wire wool) or scraping with steel tools
- Use scourers and cleaning cloths that have been used on ordinary steel
- Rub plastic scourers across the grain of brushed surfaces
- Use concentrated bleach or hydrochloric acid-based cleaning products.

### **MAINTENANCE SCHEDULE**

Activity	Month	6 Monthly	Annual
Inspect Artwork			X
Clean Handrail			X



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## APPENDIX A

AUSTRALIAN STAINLESS STEEL DEVELOPMENT ASSOCIATION

# CLEANING YOUR INDOOR STAINLESS STEEL

**Quick and easy tips for keeping that shine**

ASSOA  
Technical FAQ No 2

2

Retaining a sparkling finish on stainless steel surfaces is just a matter of a few simple steps. And you don't need expensive products or special equipment - ordinary household cleaners are usually all that's required.

You just need to bear in mind a few easy DOs and DON'Ts...

### IT'LL COME OUT IN THE WASH

Stainless steel looks best if it's cleaned regularly with plenty of water. Drying afterwards makes sure streaky marks aren't left behind.

Remember that simply wiping with a damp cloth is not as effective as it can smear dirt without removing it.

Routine cleaning prevents any stubborn stains building up.

### SO WHAT WILL YOU NEED?

You don't need any fancy equipment. For day to day cleaning, plenty of water, some mild detergent and a cloth or soft brush will do the job. You can use 1% ammonia solution but don't use bleach - it's just too easy to make the solution too strong and too hard to rinse it properly afterwards.

After washing, rinse in clean water and wipe the surface dry with a soft absorbent cloth. On brushed stainless steel, follow the direction of the polish for best results.

An excellent cloth to use is 3M's Scotch-Brite™ high performance cleaning cloth.

### WATCH OUT FOR SCRATCHES!

The important thing to remember is that stainless steel can be scratched by careless handling or aggressive scrubbing. Just like you would take care of a polished timber finish, avoid dragging rough items across the surface and be aware that grit trapped under other objects can be the culprit.

### AVOID BAD CHEMISTRY

Stainless steel may discolour if left in contact with salts or acids for extended periods. Also avoid leaving carbon steel items in contact with stainless steel, particularly if wet. But if you observe ordinary hygiene measures, like timely cleaning-up in food preparation areas, you won't have any problems.

### HOW TO HANDLE THE TOUGH CUSTOMERS

Sometimes you need a tougher approach. Here's how to get rid of the most common offenders.

#### Fingerprints, oil and grease marks

If a mild detergent or dishwashing detergent doesn't shift unsightly fingerprints, get rid of them with a bit of glass cleaner on a soft cloth. You can also use a small amount of alcohol, methylated spirits, acetone or mineral turpentine. Then rinse with clean water and dry.

You can give longer protection to high traffic areas by lightly rubbing with olive oil or baby oil followed by a polish and shine using a soft cloth.

#### Tea and coffee stains

Discolouration from tea and coffee stains can be removed by soaking in a solution of boiling water and baking powder. Remember to rinse well and wipe dry.

#### Sticky labels

Remove sticky labels as soon as possible. Gentle heat from a hair dryer or a glue gun generally softens the glue for easy removal, or you can warm stainless steel pots and pans in the oven before peeling off the labels. Eucalyptus oil based cleaners (or eucalyptus oil on its own) often work well to remove adhesives.

Ensure you don't leave any glue on the surface - it could trap dirt or break down and cause staining.

#### Rust marks

Apply cream cleanser with a soft damp cloth and rub gently.

If the mark still won't shift, it might be necessary to use a proprietary stainless steel cleaner. These are usually based on dangerous chemicals (such as phosphoric, oxalic and sulphamic acids) and must be handled with care according to the manufacturer's directions.

After cleaning, it is important to neutralise the acid with a 1% ammonia or baking powder solution, rinse with clean water and wipe dry. If the rust has worn away the surface, don't despair! Bad rusting can be repaired with professional polishing but you will need to get expert advice.

#### Paint

Apply paint stripper, taking care to follow the safety instructions. You may need to use a nylon brush or scouring pad, but avoid metal scrapers at all cost - they will damage the surface.

#### Hard water scale

Heavy limescale from hard water can be loosened by soaking in a hot water and 25% vinegar solution. Rinse well with a solution of baking powder or 1% ammonia and then with clean water. Always wipe dry.

#### Cement and mortar

Cement and mortar splashes should be washed off before they are set. Mild acids such as vinegar may be needed but not those using chloride rich chemicals. Never use brick cleaning liquids which contain hydrochloric acid. Be very careful that loosened particles don't scratch the steel surface.





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#### DON'T GO AGAINST THE GRAIN

Always run stainless steel in the same direction as the grain. Rubbing against the grain will spoil the finish and stainless will lose its shine. Worse, rubbing against the grain can damage the surface by creating microscopic crevices where dirt can collect. This can lead to corrosion spots.

Fortunately, it's usually easy to tell which is the right direction. You need to watch out for items like round handrails, which are often polished around their circumference when they're manufactured, rather than up and down the length of the tube.

If you have to scrub a stain to remove it, make sure you use a clean nylon scourer or a cloth with chalk-based cream cleaner. But test an inconspicuous area first as you could end up with a bright polished spot which doesn't match the rest of the surface.

**NEVER EVER** use steel wool (wire wool) to clean stainless steel. It is usually made of carbon steel and any fragments left behind will rust onto the stainless steel surface. Using any kind of scourer which has previously been used on ordinary (carbon) steel is also a no-no for the same reason.

Stainless steel wool scouring pads are available for heavy duty work, like removing burnt food from stainless steel saucepans. These will scratch the surface, but won't leave fragments to go rusty.

#### DON'T EVEN THINK ABOUT:

- › rubbing with steel wool (wire wool) or scraping with steel tools
- › using scourers and cleaning cloths that have been used on ordinary steel
- › rubbing plastic scourers across the grain of brushed surfaces
- › using concentrated bleach or hydrochloric acid-based cleaning products.



The technical recommendations contained in this publication are necessarily of a general nature and should not be relied on for specific applications without first securing competent advice. Whilst ASSDA has taken all reasonable steps to ensure the information contained herein is accurate and current, ASSDA does not warrant the accuracy or completeness of the information and does not accept liability for errors or omissions.

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**ASSDA**

AUSTRALIAN STAINLESS STEEL  
DEVELOPMENT ASSOCIATION

networking • promotion • education • accreditation • advocacy • problem solving



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**Barbara Heath**



Jeweller to the Lost

Designed and produced inhouse at Jeweller to the Lost  
Barbara Heath & Malcolm Enright - 07/09/2016

Barbara Heath & Malcolm Enright - Enright Heath Pty Limited (trading as):  
Jeweller to the Lost - Jewellery in all its forms; Bespoke, Collaborations, Contemporary  
Retail range & Exhibition work  
Urban Archaeology - Numerous collections, Sculpture & Public Artworks, Management,  
Strategy, Design & Digital Realisation