

# The Structural Workshop

Company Profile  
2022





# Projects

The following images highlight current or recently completed projects



Thuto Village- Bela bela



Truffles Restaurant- Sandton



Protea Glen Secondary School- Soweto



Eden Meadows Mall upgrades- Edenvale



Ubuntu School- Port Elizabeth



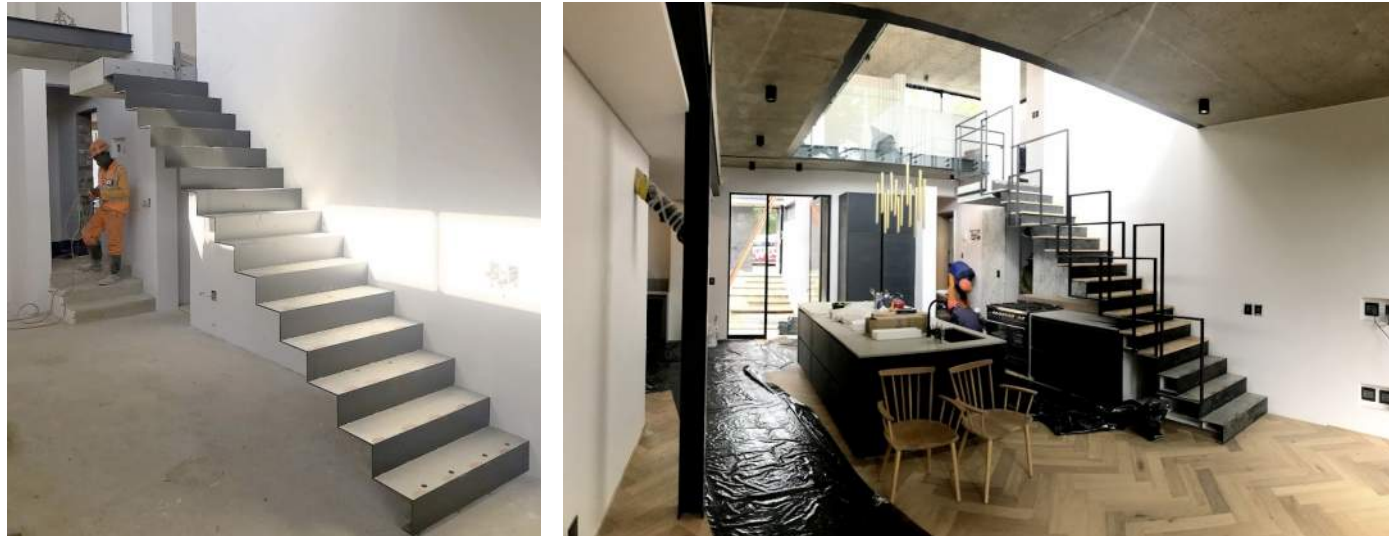
Delta Central- Blairgowrie



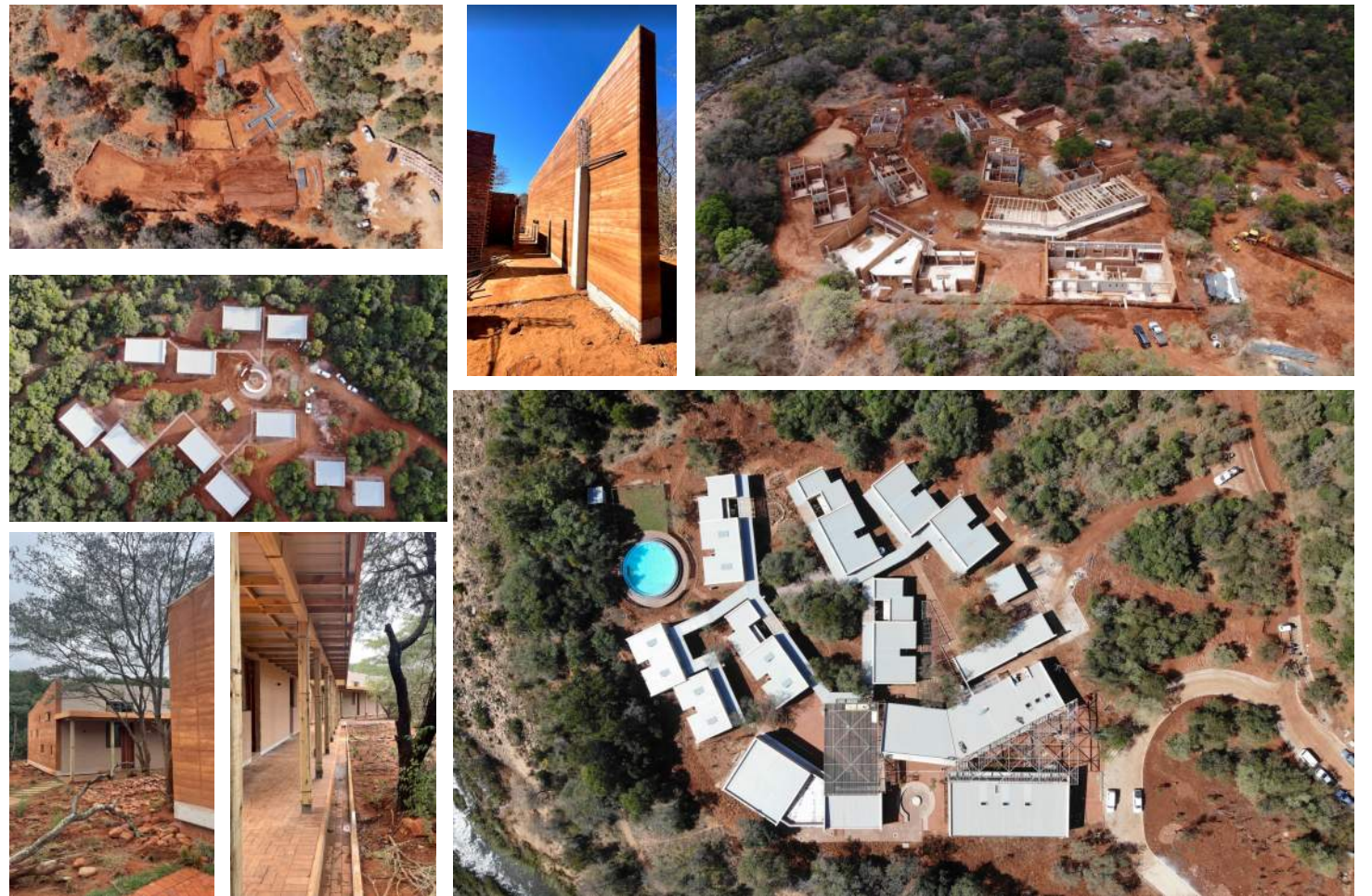
Salvazione Christian School- Mayfair



Aquatic Centre- King Edward School- In collaboration with WCSE



Residential Addition- Westcliff



Lapalala Wilderness School- Waterberg, Limpopo



11 Storey Apartment building- Randburg



New and Renovated Residential- Johannesburg

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## Craig Tyndall, Pr Eng.

Owner and Director of The Structural Workshop (Pty Ltd)

### Profile

Craig is a Professionally Registered Structural Engineer with the Engineering Council of South Africa. He has over 15 years of experience in structural and facade engineering projects in South Africa, Botswana and Mozambique. This experience covers the conceptual, detailed design and management of structural engineering projects within various sectors namely commercial, retail, industrial, educational and residential including iconic structures and luxury personal residences.

A career highlight is being the lead structural engineer on the iconic PWC tower in Midrand.

In 2015 he established The Structural Workshop (Pty) Ltd where he is the director and project engineer on all projects undertaken by the company.

### Selected Project Experience

Past experience includes but is not limited to:

#### At The Structural Workshop (April 2015 to date)

##### **Kids Haven Child Care Facility**, Benoni

New standalone structural steel with precast hollowcore plank slabs and lightweight walling creating a modern and refreshing extension to a child care facility with demanding architecture on a tight and challenging budget. Architect: Vurv Architects

##### **Ubuntu School**, Zwide, PE

New primary school within a low income area constructed on challenging founding conditions using Sterling walling alternative building technology on a reinforced raft foundation as well as structural insulated roof panels. Architect: Local Studio

##### **Eden Meadows Mall**, Greenstone

Extension to existing mall by extending the structural steel roof within a complex space and challenging access and location as well as widening of the entrance road together with new retaining structure. Architect: Wayne Spring

##### **Protea Glen School**, Soweto

New school for the Gauteng Department of Education constructed entirely from light steel framed construction consisting of 26 blocks for varying educational and administration uses. Architect: Local Studio

##### **Thuto Centre**, Bela-bela

New double storey residences constructed entirely from lightweight AAC blockwork with lightweight composite slab and roof structure. At this present time the largest fully loadbearing AAC structures in the country. Architect: Local Studio

##### **Dipula alterations**, Midrand, Bruma, Port Elizabeth

Conversion of existing office buildings into high density residential buildings

using light AAC blockwork as internal walling.

Architect: Local Studio

##### **Quaker House Student Residences**, Yeoville

New build consisting of 2 storey light steel framed building supported by structural steel over a single storey conventional masonry structure.

Architect: Milarchi

##### **Arch for the Arch**, Cape Town

Iconic timber framed sculptural installation fabricated from glue-laminated siberian larch

Architect: Snohetta/Local Studio

##### **Heerengracht building alterations and additions**, Braamfontein

Clip-on balconies constructed from structural steel and concrete suspended slabs connected to an existing building to increase lobby and office space. Also conversion of roof space into accessible roof garden space.

Architect: Local Studio

##### **Fulham Heights**, Brixton

Structural steel building located within a heritage single storey building with light steel frame cladding housing residential, office and commercial space.

Architect: Local Studio

##### **Hillbrow Trauma Councillng Centre**, Hillbrow

2 storey steel and masonry structure with cantilevered staircase and steel container bridge access.

Architect: Local Studio

##### **African School for Excellence**, Tsakane

Light steel framed school building with notable structural steel truss roof.

Architect: Local Studio

##### **Trevor Huddleston Memorial Building**, Sophiatown

Light steel framed building with notable structural steel cantilevered walkway.

Architect: Local Studio

#### At Arup (December 2014 - January 2018)

##### **ABSA Ridgeside Headoffice**, Umhlanga

Façade engineer for the new headoffice consisting of curtain wall glazing and solar control louvres and suspended walkways.

Architect: EPA

##### **TNPA Headoffice**, Port of Nqura

Façade engineer for the new headoffice consisting of curtain wall glazing, structural steel support to 5 storey atrium and flush glazed dome rooflight.

##### **PwC Tower**, Waterfall City, Johannesburg, South Africa

Lead structural engineer for a complex new 26 storey office tower with twisting geometry and a five storey basement in the underlying granite.

Architect: LYT Architecture

##### **Destiny Conference Centre**, Bredell

Project engineer for the new iconic large span conference centre at the Destiny Exclusive Hotel and Spa in Bredell, Eastrand of Johannesburg

Architect: Ambro Afrique

#### At WSP Structures, Africa (February 2007 - November 2014)

##### **Steyn City Developments**, Dainfern, Johannesburg

Lead structural designer for the iconic suspended slab gatehouses at the new Steyn City development.

Lead structural and project engineer for the high density residential showhouse development along with smaller internal projects such as a filling station, external retaining walls and golf clubhouse outbuildings

Architect: SCAD

##### **Botswana Innovation Hub**, Gabarone

Structural engineer for the new scientific laboratory buildings in Gabarone, Botswana

Architect: SHoP Architects

##### **Agrivaal** (Headoffice for the DPW)

Structural design engineer for the new 16 storey head office for the Department of Public Works in Pretoria

##### **Fairscape Precinct Office Tower**, Gabarone

Structural design engineer for the superbasement and precast diagrid façade tower at the Fairscape Precinct in Gabarone, Botswana

Architect: Boogertman and Partners

##### **Gordon Institute of Business Science Extensions**

Project structural engineer for the extensions and renovations at GIBS in Illovo, JHB

Architect: Comrie Wilkinson Architects

##### **Radisson Blu Hotel**

Structural design engineer for the 13 storey Radisson Blu Hotel in Maputo, Mozambique

Architect: Stauch Vorster Achitects

##### **Park Inn Hotel**

Structural design engineer for the Park Inn hotel located in Tete, Mozambique

Architect: Stauch Vorster Achitects

##### **The Pivot at Monte Casino**

Structural design engineer for the multi-storey basement and office block as well as 5 storey hotel at Montecasino in Fourways, Johannesburg

Architect: Nsika Architects

##### **Other noteworthy projects:**

- Bmw Showroom, Fourways, Jhb
- Ford & Mazda New Vehicle Showroom, Fourways, Jhb
- Errand Gardens Office Park, Midrand



## Sam Porter

Associate at The Structural Workshop (Pty Ltd)

### Profile

Sam is a Structural Engineer with over 12 years' experience working in the design consultancy industry in the UK and South Africa. This experience covers the delivery of projects from concept through to detailed design and successful management of the project to completion. Sam has significant experience of leading structural, civil and multidisciplinary projects of varying size and complexity across a wide variety of industry sectors.

### Selected Project Experience

Past experience includes but is not limited to:

#### At The Structural Workshop (March 2020 to date)

##### **Oak Avenue, Randburg, Gauteng**

Lead structural engineer for the design & construction monitoring of a new 11-storey residential building. The project consists of multiple levels of semi-basement parking along with a communal ground floor level and large internal atrium.

Architect: Tribe Architects

##### **House Otten, Morningside, Gauteng**

Substantial demolition and renovation to an existing triple storey residence in Morningside. Structural elements across a range of materials including concrete, steel timber and masonry all to a distinct and precise architectural intent.

Architect: Kate Otten Architects

##### **House Brown, Highland Gate, Mpumalanga**

New build residence within a country estate. The project comprises of single storey residence, which has been stepped due to the elevation changes across the site, leading to challenging foundation and retaining wall layouts in difficult founding conditions.

Architect: Gregory Katz Architecture

##### **GDE Assessments, Gauteng**

A large series of condition assessments to primary and secondary schools on behalf of the Gauteng Department of Education. The assessments were completed in order to identify critical areas to maintain the integrity of the structures along with suggested areas of future maintenance.

Architect: N/A

#### At Arup, South Africa (January 2013 – March 2020)

##### **Data Centre, Midrand**

Lead structural engineer for the development of 7,000m<sup>2</sup> of data halls and 3,400m<sup>2</sup> of adjoining office facilities within a live existing data centre environment.

Architect: Project Works Consulting

##### **Morningside Apartments, Johannesburg**

Project manager leading a multi-disciplinary design team, and lead structural engineer, for the concept design development of a 50,000m<sup>2</sup> residential project within Morningside, Johannesburg. The project consists of three 20-storey residential towers over a shared basement and mixed-use facilities at public plaza level.

Architect: Rehman & Associates

##### **Kopano House, University of Johannesburg, Johannesburg**

Lead structural engineer for the refurbishment of the existing Kopano House residence including a new steel fire escape stairs and rooftop pavilion.

Architect: Activate Architects

##### **Multipurpose Arena, University of Limpopo, Polokwane**

Project manager and lead structural engineer for the demolition and rebuild of the multipurpose arena roof following a collapse in 2016.

Architect: N/A

##### **Barnato Hall, University of the Witwatersrand, Johannesburg**

Lead structural engineer for the construction of four new residential blocks to the existing Barnato Hall residence.

Architect: 26'10 South Architects

##### **Booyens Magistrates Office, Johannesburg**

Lead structural engineer for the construction of the new 10,000 m<sup>2</sup> magistrates court in Booyens, Johannesburg South

Architect: Co-Arc International Architects & Consultium Architects

##### **Various sports stadium inspections, Johannesburg**

Lead structural engineer for several stadium structural inspections around Johannesburg. Inspections have been carried out to assess the stadia and advise the client of a suitable maintenance programme including urgent items that require remediation before the granting of a SASREA certificate.

Architect: N/A

##### **PX Sheds, Durban**

Lead structural engineer in the assessment and modification of a 210,000m<sup>2</sup> existing warehouse. This was to allow for the installation of new roof sheeting and solar PV panels whilst keeping the warehouse operational.

Architect: N/A

##### **Randburg Square, Johannesburg**

Lead structural engineer for the conversion of an existing 12-storey office block into residential apartments.

Architect: Batley Partners

##### **Data Centre, Randburg, Johannesburg**

Lead structural engineer for the internal refurbishment and expansion of an existing, live environment, data centre.

Architect: Paragon

##### **Nedbank offices, Durban**

Key member of the design team for the construction of a 5-storey mixed-use parking and office extension to an existing concrete framed building.

Architect: DHK Architects

##### **Lungisisa Indlela Village, Canelands, Durban**

Lead engineer providing structural and bulk civil engineering services to the LIV charity project, which provides residential care to vulnerable and orphaned children. Work included construction of a 1000m<sup>2</sup> craft workshop, childhood development centre, community clinic and a 2500m<sup>2</sup> multipurpose hall and administration block.

Architect: DesignWorkshop

##### **KZN Children's Hospital, Durban**

Lead structural engineer in the restoration of the entire city block occupied by the KZN Children's Hospital Trust at Addington beach, Durban. The works included substantial external restoration of heritage protected structures as well as the scheme design and planning of a 5000m<sup>2</sup> contiguous piled basement and future 7 storey new hospital structure.

Architect: Ruben Reddy Architects

#### At Arup, UK (Sept 2009 – January 2013)

##### **Saatchi & Saatchi, 80 Charlotte Street, London**

Key member of the design team working on the redevelopment of an office block in London, designing around an existing building this project has produced a number of technical challenges.

Architect: Make Architects

##### **Tyne and Wear Metro Reinvigoration Framework, Newcastle**

Key member of the structural design team assisting with the reinvigoration works to ten Metro stations in North Tyneside.

Architect: Sadler Brown Architects

### Profession

Structural Engineer

### Current Position

Associate

The Structural Workshop (Pty) Ltd

### Years of Experience

12

### Nationality

British

### Qualifications

Meng (Hons) Structural & Civil Engineering – University of Newcastle upon Tyne

### Professional Associations

Associate Member of the South African Institute of Civil Engineers (SAICE)

# Engineering Council of South Africa



This is to  
certify  
that

*Craig Bryan Tyndall*

is registered as

*Professional Engineer*

in terms of the Engineering Profession Act, 2000  
(Act No. 46 of 2000)

Date *4 May 2015*

Registration  
Number *20150179*

President

Chief Executive Officer



# THE SOUTH AFRICAN INSTITUTION OF CIVIL ENGINEERING

Est 1903



This certifies that

**Craig B Tyndall**

is duly elected as

**Member**

Membership Number: 201400866

of

**The South African Institution of Civil Engineering**

on

26 September 2016

Issued under the seal of the Institution  
Under resolution of the Council

President  
Dr Chris Herold PrEng

Chief Executive Officer  
Manglin Pillay PrEng

