A New Era of Dams
De Hoop and Spring Grove

Product News
New Adjustable Column Box!

6 New Form-Scaffold branches

Support where you need it.

www.form scaff.com
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**De Hoop Dam**
Sometimes you can’t let nature take it’s course....

### Spring Grove Dam:

**A new dam in the heart of the KZN midlands**
The fifth dam in the Mooi Mgeni system nears completion.

### Product Feature:

**Adjustable Column Box**
The launch of Form-Scaff's new innovative adjustable column box.

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**Editor’s Desk**

Christmas has come and gone and 2012 is already forgotten. Is 2013 just another year? Not for Form-Scaff! 2013 will be a very special year! A year of celebration!

In June this year, Form-Scaff will be celebrating its 50th anniversary. The Company was first registered on the 5th of June 1963. Today, almost fifty years later, we can proudly say that we have been South Africa’s Formwork and Scaffolding powerhouse for most of this time – and definitely for the last 40 years.

Today Form-Scaff can be found in just about every city and town in South Africa and in some selected countries abroad. Amidst the global economic downturn, that has been with us since the latter part of 2010, Form-Scaff has only closed down one underperforming Branch – that of Pinetown – since we felt that our Ballito and Durban South Branches could service the greater Durban area well enough, but has opened an impressive 5 new Branches – four in South Africa and two abroad (Read more about this on pages 24 & 25)

In this Edition, we cover the story of our proud involvement in two of the countries new dams – The De Hoop Dam in Burgersfort and the Spring Grove Dam in the KwaZulu-Natal Midlands. We also reveal our latest new product in our Column Box Range – The “all-in-one” Adjustable Column Box supplied to your site as Panels only, with all the connections and lifting devices built-in.

We have our regular safety tip “Vaughan’s Advice”, warning you about the dangers of overloading Access Scaffolds, our achievements on the Health and Safety side and some of our new appointments.

Happy “forming”

Klaas Pouwels
Projects cont..:

Inland Projects.

Coastal Projects.

Branch News - Form-Scaff Expands

Staff News

Continuous Improvement at Form-Scaff

Safety Tip:

Vaughan’s Advice.

MBA Awards

Branch Contacts.
The De Hoop Dam, Phase 2A of the Olifants River Water Resources Development Project (ORWRDP), will be the bulk storage facility to augment the current water supply in South Africa’s Limpopo Province. Water will be supplied mainly to the mining industry in the Steeplpoort area.

The R2,4 billion project is currently the largest construction project in South Africa.

Construction of the dam started in June 2007 and is being undertaken by the Department of Water Affairs’s own construction arm led by Johan van Niekerk.

The obstacles that caused the delays to this massive project have largely been overcome, due in part, to never-before-used construction techniques implemented by Form-Scaff’s technical department. The increased productivity has also been achieved by adopting a three shift 24/7 approach; as well as overcoming the prevailing labour unrest which delayed the project for over three months.

Of all the changes to the project the greatest contributor has been the alteration to the design. The original centenary-shaped vertical alignment in the wall has been split into two horizontal elements which are connected vertically. This change allows for pouring of concrete to stop only at the level of the gallery. Shuttering and pouring would then continue until the precast-gallery domed roof elements were installed, and then continue again.

A new national record was achieved at the De Hoop Dam, in Limpopo, when 103 600m$^3$ of concrete was placed in 23 days. To achieve this certain processes were eliminated such as skin concrete and the adding of grout.

A new Roller Compacted Concrete (RCC) mix was developed at the De Hoop dam site and as a result, concrete placement took only half the time than previously known methods of RCC.
New Unique method of raising the trailing and access platforms allows the system to be used in any number of “stacked” layers, up to six “tiers” deep.

Chris Erasmus, Form-Scaff’s Technical Director, and his Special Projects team developed a number of very unique formwork systems for this project.

The main dam wall, spillway section, left and right banks, as well as the outlet works structure, all required very detailed engineering solutions to achieve the program and construction requirements.

Form-Scaff’s unique 3D printer created a model of the dam wall and other complex structures. This simplified discussions around the various complexities the Department of Water Affairs construction team faced.

The unique method of raising the trailing & access platforms on the RCC main Dam Wall has never been used before. It allows the system to be used in any number of “Stacked” layers, to meet the speedy concrete placement requirements. In some cases on this project, the system was stacked up to six “tiers” deep to assist in meeting the high production figures required.

Background

President Mbeki announced, in his 2003 State of the Nation Address, the construction of a dam in the Olifants River system to unlock the rich mineral deposits in the Limpopo Province and to economically supply water to towns, industries and poorly serviced rural communities in the Sekhukhune area.

The Phase 2A of the ORWRDP was approved by Cabinet in June 2004 subject to environmental authorisation. It comprises the implementation of the De Hoop Dam on the Steelpoort River in the short term and bulk distribution system in the middle Olifants River catchment in the medium to longer term, as the need for water services and mining increase. The De Hoop Dam is the only feasible option to supply water to the Nebo Plateau where about 800 000 people reside.
A 2.8m deep, single sided pour was achieved using our popular TIFA system in conjunction with a specially manufactured “GALLO” type climbing frame. This system offered convenient and safe access to all operations, could handle the very compact gang-forms and was still light enough to be handled by mobile cranes.

Other disciplines on this project included formwork to the lift & service shafts in the outlet works, as well as purpose manufactured bull-nosed formwork, climbing inlet structure formwork and various pre-cast solutions for the stairs, parapets & gantry tunnel roof sections.

The lessons learnt on this project, as well as some of the components, were also used at other dams in South Africa such as Bramhoek Dam, part of the Ingula pumped storage scheme, Spring Grove - Stompdrift, and Elandsdrift dams.
A new national record was achieved by the De Hoop Dam construction team when 103,000 m³ of concrete was placed in 23 days.
The construction of Spring Grove Dam on the Mooi River, upstream of the existing Mearns Weir and about 2km southwest of Rosetta in the KwaZulu-Natal Midlands, commenced in February 2011. The KZN Midlands site is abuzz with activity to meet the February 2013 deadline for impoundment and commissioning of the dam.

The Mgeni Water System supplies water to over five million people, as well as the industrial sectors in the Durban and Pietermaritzburg regions. Due to the growth in water demand and intermittent drought periods in the region, approximately four years ago, the Trans-Caledon Tunnel Authority (TCTA) received a directive from the Minister of Water Affairs to fund and implement this much needed water resource development project MMTS-2 (Mooi Mgeni Transfer Scheme). The project consists of: A roller-compacted concrete (RCC), composite dam with an earth embankment, three gauging weirs and re-alignment of private access roads that will be overwhelmed by the dam.

This Category III dam will have a maximum capacity of 139.5 million m³ and a wall height of 37.7m. Compared with the De Hoop dam, currently under construction in Limpopo, this is a relatively small RCC dam, requiring only 90 000m³ of roll concrete. This has not prevented the implementation of innovative techniques by the projects designers and construction teams. A unique high paste RCC (wet paste RCC mix) is being used, which is proving efficient and cost-effective.

The improved flexibility of the high paste RCC, combined with the innovative systems developed by Form-Scaff (designed by our technical department for use on the De Hoop dam
project) has resulted in a substantial improvement on pour times and workability.
Form-Scaff supplied equipment to all aspects of the project, most notably the sale of 1,080 m$^3$ of Rollcrete Equipment, for use on the main dam wall and the hire of over 200 tons of Tifa & Rollback Equipment, for use on the Intake Tower.

**Dam Type:** Composite RCC and Embankment  
**Total Length of Wall:** 607 m  
**Dam Height:** 37.7 m  
**Spillway Height:** 32 m  
**Spillway Length:** 70 m  
**Gross Storage Volume:** 139.5 million m$^3$  
**Firm Yield**  
**Water Surface Area at Full Supply Level:** 1,022 ha
Form-Scaff’s all new innovative Adjustable Column Box.

- One adjustable column box for all column sizes.
- No loose components – captive connections.
- Built in crane lifting shackles.
- Integrated prop connection points.
- Modular system which bolts together for double volume height requirements and columns wider than 600mm.
- Concrete pressure of 90kN/m² for faster high tolerance concrete pours.

**Single Panel Size Options:**

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<th>150mm</th>
<th>230mm</th>
<th>300mm</th>
<th>350mm</th>
<th>400mm</th>
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<td><img src="image3.png" alt="600mm x 600mm" /></td>
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Captive connections

The Adjustable Column Box is supplied with captive bolt connections that fix the panels together at right angles. The 2.7m high panel has 3 connections and the 1.2m high panel two. The nuts could be tightened by means of a Podger hammer or any piece of steel rod less than 16mm dia.

Bolting Panels together

Panels could be bolted together to create higher and/or wider columns. The bolt holes are located on top and below each tie-beam and standard M20 x 50mm bolts are used.

Positioning & Leveling

The bottom corners of the panels are notched to ease final panel positioning. Leveling of the column box can be done by attaching a Multi-Form Leveling Jack to the panel periphery by means of two standard M12 x 40mm bolts.
**Lifting**

An integral lifting point is available on each panel. This lifting point is accessible even when the working platform is mounted. When not in use, the lifting shackle drops below the panel surface to not cause any tripping hazard.

**Working Platform**

The working platform simply hooks onto the panel and is secured in place by means of two R-clips. The platform is collapsible to ease transport. In conjunction with the guardrails it is fast to erect and create a safe and robust working platform.

**Plumbing**

The Adjustable Column Box uses the Form-Scaff Tifa range of Push Pull Props – please refer to the latest Tifa brochure for information.
Panels
A single Adjustable Column Box Panel can be used to form columns of between 150mm and 600mm. Panels can be bolted together horizontally to form bigger column boxes using standard M20 x 50 HT Bolts. Panels can also be bolted together vertically for pours exceeding 2700mm heights.

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<th>DESCRIPTION</th>
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<td>Adjustable Column Box Panel 2700</td>
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<tr>
<td>5127010</td>
<td>Adjustable Column Box Panel 1200</td>
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Working Platform
The Adjustable Column Box Working Platform clips onto the top of the panel by means of two 14mm pins. When used in conjunction with the Guardrails, it creates a safe working platform for concrete pours.

<table>
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<th>CODE</th>
<th>DESCRIPTION</th>
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<td>5127003</td>
<td>Adjustable Column Box Working Platform</td>
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<tr>
<td>5125064</td>
<td>Adjustable Column Box Guardrail</td>
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</table>

Ties, Bolts & Buttons
F20 Form Ties are used when two or more panels are bolted together horizontally. M20 x 50 Bolts are used to connect panels horizontally or vertically. The Plastic Buttons are used to plug all the un-used holes in the panel.

<table>
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<th>CODE</th>
<th>DESCRIPTION</th>
<th>MASS (kg)</th>
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<td>5127001</td>
<td>Adjustable Column Box Plastic Button</td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td>F20 Form Ties – various lengths</td>
<td></td>
</tr>
<tr>
<td>2966049</td>
<td>M20 x 50 Bolt, Washer &amp; Nut set</td>
<td>0.06</td>
</tr>
</tbody>
</table>
Sunderland Ridge WWTW

The Sunderland Ridge Wastewater Treatment Works (WWTW) is located 15 km west of the Centurion Central Business District and next to the Sunderland Ridge Industrial Area. Wastewater generated in Centurion, Midrand North and some parts of Tshwane is treated at this works. This area is one of the fastest growing areas in the city.

The City of Tshwane project, designed by Aurecon and constructed by Basil Read’s Civils Division aims to increase the current 65 Ml/d Average Dry Weather Flow to a 95Ml/day Waste Water Treatment plant which is the projected demand from 2015.

Form-Scaff Pretoria secured the contract to design and supply off-shutter formwork to the various structures. Form-Scaff’s Tifa range ensured a magnificent finish on all the straight concrete walls while the Multi-Form system was used for all the circular structures. Radiussed Scaffold Tubes fixed to the back of the Multi-Form Beams created a perfect circular body to fix the high quality Wisa-Form plywood sheets to. This circular solution, the brain child of Gerhard Bothma – one of Form-Scaff’s senior designers at the Pretoria Branch, made achieving the high specified concrete finishes a possibility.

Ian Caister, Form-Scaff’s Technical Representative, spent almost 25% of his time over the last 2 years on this site – ensuring on time delivery and quality of the formwork for the more than 18 different structures on this project some of which include:

- Inlet works
- Primary Sedimentation Tank
- Biological Reactor
- Secondary Clarifiers
- Chlorination Contact Tank
- Anaerobic Digesters
- Phosphate Release Tank & Thickeners
- Precipitation Reactor and Filtrate Thickeners
- Sludge Dewatering Building
- Sludge Drying Beds

Circular scaffold tubes fixed to the back of the Multi-Form beams creating the required radii.
Circular Multi-Form used on the Digester tank.

Tita panels used on the sedimentation tanks.

Proof of the magnificent off-shutter finishes achieved on this project.
# Brakspruit Bridge

In the early hours of Monday, 20 September 2010, a loaded Transnet train derailed and destroyed the Brakspruit Bridge on the railway line between Phalaborwa and Hoedspruit, in Limpopo. A new bridge structure was proposed, but Goba, the appointed Consulting Engineers proposed an alternative scheme which had numerous advantages over that of a new bridge – strengthening the current substructure and building a new bridge on temporary Support-work adjacent to the temporary bridge put in place by Transnet. The new bridge would then be jacked onto the modified Piers and Abutments.

Transnet / Goba appointed Stefanutti Stocks as the main Contractor for this very tight scheduled project. Clive Reucassel, Stefanutti Stocks’ Contracts Director and Bruce Ivins (Contracts Manager) chose Form-Scaff as their preferred Formwork partner to design and supply all the required shoring and formwork to the project. Chris Erasmus, Form-Scaff’s Technical Director designed the temporary structure and all the once-off special formwork items and together with Richard Beneke, Stefanutti Stocks’ independent temporary works Engineer, ensured that the structure was safe and constructed as planned.

The narrow parts of the piers had to be increased and corbels had to be constructed near the top of the piers to support the new bridge deck. Similarly, the abutments had to be done in the same format all while the temporary railway line was open to normal rail traffic. The temporary Support-work, which had to support the new bridge deck as well as form a slide path onto the strengthened sub-structure, was completed with Form-Scaff’s new Super-Shores and Super Beams combined with the old proven Form-Soldier Shores. The Heavy Duty Girders, used to span the three openings sat on top of the 533mm deep Super-Beams.

Johan Pouwels, Form-Scaff’s Branch Manager in Nelspruit was responsible for all commercial issues and the timeous delivery and returns of all required equipment - something not that easy considering the very tight construction program as well as the steep inclines and sandy conditions of the Brakspruit riverbed.
Pouring of concrete on spans 2 and 3.

Super-Shores used as temporary piers.

Super-Beams and Girders used as temporary span.
22 Wellington Road Offices

This R90 million development, next to Parktown Boys’ High, was awarded to main contractor, Murray & Roberts Buildings.

Under the professional eye of the Paragon Architects team, who conceptualised and designed the building, the development took 12 months to complete.

The scope of the work involved the demolition of the existing building and the construction of a 19,000m² multi-storey building on approximately 4,000m² of land. The multi-storey building consisted of 5 storeys of office space (8,500m² in total) and 4 storeys of parking bays.

Form-scaff was the sole-suppliers of formwork to the project. At peak, Form-Scaff supplied 24 various size column boxes; 4,000m² of Kwik-Deck for slab formwork; 400m² of Tifa and Tifa-Lite walling and lift-shaft formwork and 250m² of Multi-Form to external battered featured walls.

The external featured walls were an integral key to the buildings architectural appeal and construction programme. The featured wall formwork design, originated by Form-Scaff’s John King, consisted mainly of marine-ply board of various thicknesses being glued to an ordinary ply-board Multi-Form gang-form. In order to achieve the “checkered” off-shutter concrete effect; four, six and nine millimeter thick marine-ply was used.

Approximately 19,000m² of formwork to slabs and 1,900m² of external featured walls formwork had been formed on this project.

Checkered off-shutter concrete effect on the external walls.
Work in progress on the North facade.

Tifa Panels in place on the West facade.

The interesting patterns can be seen on the finished project.
Chota Motala Road Upgrade

The South African National Roads Agency Limited (SANRAL) awarded the upgrading of the Chota Motala road contract to Group Five Joint Venture. (a JV between Group Five and Phambili) in early 2010.

The 27 month contract started in April 2010 and comprises an upgrade of the freeway from a four-lane carriage way to a six-lane free flowing and remodeled interchange. The interchange consisted of two major structures, including the demolition and the reconstruction of the grade separation bridge and an incrementally launched fly-over bridge, as well as all associated works.

Form-Scaff Pietermaritzburg, headed up by Branch Manager Ajith Ghareeb supplied the required formwork and scaffolding to this Group Five project. Mark Brisset, Contracts Manager for Group Five on the project worked closely together with Jan Moll, Form-Scaff’s Project Engineer to ensure that the launch formwork delivered the required results.

Formwork for the incremental launch as well as the different pier shutters, abutments and special circular and oval shaped columns was manufactured by the Form-Scaff factory in Elandsfontein, Johannesburg.

Incremental Launch formwork put in place at the factory for pre-delivery inspection.
Incremental Launch Bridge going over the R101 motorway in Pietermaritzburg.

Pouring one of the many circular columns.

Incremental Launch formwork being assembled for the initial concrete pour.
Boardwalk Casino

Construction on the new Boardwalk Casino and Entertainment World in Port Elizabeth started in February 2011.

Once complete, the Casino and Entertainment World will boast a new 5 Star Hotel, an International-standard 1 800 seat Convention Centre, a new Health Spa, Indoor heated lap-pool, several new restaurants, more than 850 additional parking bays and Africa’s highest musical fountain.

The construction section of the more than R1 Billion contract was awarded to Grinaker-Lta in late 2010 with the first construction teams on site at the beginning of 2011. They were immediately faced with two unique challenges before earth moving equipment could be brought onto the complex. One involved the creation of a temporary arboretum for nearly 70 trees, and the second involved relocating the Koi fish from the lake at the Oriental Village which had to be demolished to make way for the new hotel.

Once this was completed, Form-Scaff started the delivery of Tifa and Multi-Form for the Retaining walls as well as the oval shaped Column boxes for the lower level slabs. Conventional Kwik-Stage was used for the staging for the more than 35 000m² of Coffer Slabs on this project.

Rebar being fixed on one of the coffered sections.
Aerial picture of the new sections being added.

Kwik-Stage support being erected in the basement.

900 x 425 Coffer slabs being prepared.
Form-Scaff expands Nationally.
4 new branches opened.

Our motto – “to be where the work is” – has led Form-Scaff to open an additional four Branches in South Africa over the last two years. This takes our tally up to an impressive 25 South African Branches which is more than double that of any of our rivals.

**Kathu Branch**

Our Kathu Branch, led by Rikus Smit and his team opened in April 2010 on the back of some of the massive mining contracts in this Northern Cape town.

![Rikus Smit](image)

**Lephalale Branch**

Lephalale Branch was opened in early 2010 on the back of the Medupi Power Station Project as well as the Grootte Geluk Project. Lennox Maake, previously from Johannesburg, heads up this very busy branch for Form-Scaff.

![Lennox Maake](image)

**Burgersfort Branch**

Riaan Hattingh recently moved from Nelspruit to his new, promoted position, as Branch Manager of Burgersfort.

The new Burgersfort Branch in Limpopo was opened in May last year.

With the nearly completed De Hoop Dam project, featured earlier in this edition, business – mostly mining related - is starting to pick up.

![Riaan Hattingh](image)

**Kusile Branch**

The Form-Scaff Kusile Branch is located on the Kusile Power Station site just outside Witbank and services only projects on this site. Form-Scaff supplies the formwork for the more than 80 new buildings on this project as well as many of the different civil structures.

Carlos Guimaraes, our Branch Manager, and his team have been on site since April 2012.

![Carlos Guimaraes](image)
Form-Scaff expands Internationally.

Along with the local growth, Form-Scaff continues to expand its footprint Internationally with two new branches - one in West Africa and one in South America.

Form-Scaff recently opened a second branch in Chile, South America. The main Branch in Santiago has been in operation since 1997. The new branch is situated in Copiapo, Chile, approximately 800km north of Santiago, and is run by Alfonso Chavez.

The West Africa Branch in Accra, Ghana opened on the 1st of November 2012. The new branch is situated on the main road between Accra and Tema (Ghana’s Port City) and will be headed up by Rob Channon who has more than 15 years experience in the Formwork and Scaffolding industry.
Congratulations to all recently appointed Branch Managers

Along with all the new branches and staff, mentioned on the previous pages, Form-Scaff has also made some changes to management in certain of our other existing branches. We’d like to take this opportunity to congratulate each and every one of our recently appointed Branch Managers and wish them all the best in their new positions.

Jimmy, Adriaan and Riaan have been with the company for some time, although in different positions and different divisions, where Brad, Jacques and Ronald have joined the company for the first time in their new positions.

Mossel Bay Branch

After being in Mossel Bay for more than 10 years, Form-Scaff moved its Mossel Bay Branch to George, at the end of last year. The decision to move back to George, where Form-Scaff operated in the past, was made after thorough market research and discussion with several of our local clients.

The new Branch is located on the corner of Albert and Bridge Streets next to the well-known Penny Pinchers.

We have moved

We welcome Kobus King back to Form-Scaff as the Branch Manager of George. Kobus used to work for Form-Scaff and for our sister company SGB-Cape some years ago. Kobus comes with more than 20 years of Formwork & Scaffolding experience both in the supply and the erection and dismantling field.
Continuous Improvement ensures that we remain the number one Formwork & Scaffolding Company in South Africa.

**Form-Scaff’s** Continuous Improvement program, which has been running for the last couple of years, has recently been boosted by a new Sharepoint Software program that makes logging new ideas as well as following the progress of any new idea very simple. Form-Scaff, through its staff compliment of just over 400, have logged 176 continuous improvement ideas since the start of the Improved Software Program in August 2012.

All Continuous Improvement ideas are adjudicated by the Continuous Improvement Task Team on a monthly basis and the chosen ideas are implemented either on a Branch, Regional or National level.

**Two of the recent ideas submitted by our staff:**

**Tifa Panel Handling Device – Martin Boshoff (Project Co-ordinator):**
A New Bracket to safely handle the 400kg Tifa Panels when loading/offloading these panels from or onto a truck using a Forklift.

**GPS’s for all Form-Scaff drivers – Dan Nkoana (Johannesburg East Driver):**
With a fleet of more than 60 trucks and over 900 active construction sites throughout SA, getting to the correct site in the shortest time is of utmost importance.

Our next step will be to include our Customers and Suppliers ideas on how to continuously improve our business through better service delivery, products, admin, costs and quality.
VAUGHAN’S ADVICE:

DO NOT LOAD PALLETS OF BRICKS ON STEEL HOOK-ON BOARDS!!

The safety handrail ledgers must not be removed.

Pallets of bricks are too heavy for steel hook-on boards.

The standards may become overloaded.

The pallets inhibit access on the working platform.

The ledgers are often not strong enough to carry the weight of a pallet of bricks.
The Construction Industry’s Health and Safety Competition had its origins in 1963, when the first Building Safety Competition was held by NOSA in collaboration with the Master Builders Association. It took place in Natal and the only facet that was adjudicated on was Housekeeping. In 1964 it was held as a national competition and it was extended to two categories namely Building and Allied Trades, both categories were won by members from Natal those days.

Today, the competition is a comprehensive well supported annual event, open to all Association's members and FEM policy holders. There are 10 different categories.

Regional competitions are held by each of the Associations and their winners are entered into the national competition. Master Builders South Africa MBSA then arrange for the national judging to take place.

The 2012 KZN Regional competition award ceremony was held in November 2012 at the Suncoast Casino complex. In the Allied Trades category, Form-Scaff Pietermaritzburg was crowned the winner with Form-Scaff Ballito in second place.
HEAD OFFICE
P.O.Box 669, Isando, 1600, Elandsfontein
181 Barbara Road, Elandsfontein
Tel (011) 842-4000; Fax (011) 842-4280

INLAND BRANCHES

BLOEMFONTEIN
P.O.Box 6610, Bloemfontein, 9300
22 Wilhelm Kotze Street, Oosende
Tel (051) 432-5555; Fax (051) 432-4477

BURGERSFORT
P.O. Box 2918, Burgersfort, 1150
Plot 2844, EXT 23
Dirk Winterbagh Street, Burgersfort
Tel (013) 004-0200 / No Fax

JOHANNESBURG EAST
P.O.Box 26994, Boksburg, 1462
Tunney Road, Gate 3, Elandsfontein
Tel (011) 842-4215; Fax (011) 842-4111

JOHANNESBURG - KYA SAND
P.O.Box 2884, Honeydew, 2040
40 Homestead Avenue, Kya Sand
Tel (011) 708-2227; Fax (011) 708-1159

KUTHU
P.O.Box 1235, Kuthu, 8466
33 Kalk Str. Industrial Area, Kuthu
Tel (053) 723-2194; Fax (053) 723-1078

KUSILE
P.O.Box 4466, Pretoria, 0001
Kusile Power Station, Balmoral Road, Mqumalanga
Cell 082 578-4638

LEPHALALE
P.O.Box 7495, Onverwacht, 0557
Riet spruit Plot 23, Portion 46, Witkop Road, Lephalaal
Tel (014) 763-7982; Fax (014) 763-7982

NELSPRUIT
P.O.Box 4485, Nelspruit, 1200
ERF 379, Rocky Drift
Tel (013) 758-1036; Fax (013) 758-1063

POLOKWANE
P.O.Box 3979, Polokwane, 0700
65 Goud Street, Laboria, Polokwane
Tel (015) 293-0450; Fax (015) 293-0460

PRETORIA
P.O.Box 4466, Pretoria, 0001
35 Park Lane, Highway Business Park, Roohluiskraal
Tel (012) 621-9900; Fax (012) 621-9931

RUSTENBURG
P.O.Box 6996, Rustenburg, 0300
3 Ferro Street, Rustenburg
Tel (014) 538-2540; Fax (014) 538-0087

SECUNDA
P.O.Box 3781, Secunda, 2302
No. 1 Winkelaak Road, Mclllatt Ext. Evander
Tel (017) 632-4230; Fax (017) 632-4234

VEREENIGING
P.O.Box 1010, Vereeniging, 1930
Cnr Telford Str. & Van Riebeek Street, Duncanville
Tel (016) 455-1611; Fax (016) 455-1566

WITBANK
P.O.Box 3869, Witbank, 1035
2 Colliery Street, Witbank
Tel (013) 690-2833; Fax (013) 656-3713

COASTAL BRANCHES

KZN REGIONAL OFFICE
P.O.Box 33, New Germany, 3620
178 - 180 Old Main Road Rd, Pinetown, 3610
Tel (031) 713-9700; Fax (031) 713-7915

DURBAN SOUTH
P.O.Box 485, Umobgintwini, 4120
16 Stroude Place, Isipingo
Tel (031) 902-2677; Fax (031) 902-2771

MARGATE
P.O.Box 1171, Margate, 4275
Industrial Road, Margate
Tel (039) 317-1708; Fax (039) 317-4073

NEWCASTLE
P.O.Box 906, Newcastle, 2940
22 Schonland Street, Industrial Sites
Tel (034) 379-7897; Fax (034) 375-6935

PIETERMARITZBURG
P.O.Box 21946, Mayors Walk, 3208
Market Rd Ext, Mkhondeni
Tel (033) 346-1767; Fax (033) 346-1753

RICHARDS BAY
P.O.Box 1333, Richards Bay, 3900
111 Alumina Alley, Alton Industrial Area
Tel (035) 751-1140; Fax (035) 751-1094

BALLITO
P.O.Box 715, Umhlanga, 4390
Lavora Terra Industrial Park, Shaks Rock Rd, Ballito, 4381
Tel (032) 947-9540; Fax (032) 947-0583

CAPE TOWN
P.O.Box 37068, Cheapey, 7442
6 Drill Ave. Montague Gardens 7441
Tel (021) 528-6500; Fax (021) 551-1743

EAST LONDON
P.O.Box 2734, Beacon Bay, 5205
5 Ray Crab Crescent, Beacon Bay
Tel (044) 749-2558; Fax (044) 748-3691

GEORGE
P.O.Box 218, Habenbos, 6520
Cnr Albert Bridge Road, George
Tel (044) 693-0294; Fax (044) 693-1040

PORT ELIZABETH
P.O.Box 2112, North End, 6056
4 Kendall Street, Neave Industrial Area
Tel (041) 453-2317; Fax (041) 453-2524

STRAND
P.O.Box 1654, Somerset West, 7129
Chilwan Crescent, Heldberg Industrial Park, Strand
Tel (021) 845-4090; Fax (021) 845-4091

INTERNATIONAL BRANCHES

CHILE - COPIAPO
Rio Copia, 1949
Plaza Comercio Z, Modulo 8 - Panamericana Norte, Copia, Chile
Tel +565 254-1561

CHILE - SANTIAGO
Cerro Portezuelo, 9801
Parque Industrial Portezuelo, Quillcura, Santiago de Chile
Tel +562 738-5019 Fax +562 738-6521

GHANA - ACCRA
Plot L16, Accra Tema Motorway, Off Spintex Road, Motorway Industrial Area, Accra, Ghana
Cell +233 272 029 6627

MAURITIUS - PORT LOUIS
P.O.Box 748, Bell Village, Port Louis Western, Plaine Lazezun Industrial Sites
Tel +230 211-0391 +230 211-0392

NAMIBIA - SAWKOMUND
P.O.Box 2484, Swakopmund, 36 Hidipo Hamutenya Street, Swakopmund
Tel +264 46 46-2020 Fax +264 46 46-2050

NAMIBIA - WINDHOEK
P.O.Box 20266, Windhoek 9000
5 Nickel Street, Prosperitas
Tel +264 61 23-3693; Fax +264 61 23-3272

TOLL-FREE TECHNICAL HELP LINE: 0800 20 50 29