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1.0 COMPANY OVERVIEW

1.1 Churchyard & Umpleby Construction (Pty) Ltd.

Churchyard & Umpleby Construction (Pty) Ltd. was established in 1963 by Mr. R.J. Churchyard and Mr. G.H. Umpleby. In 1993 LTA acquired C&U and subsequently formed part of the Grinaker-LTA group until the end of 2004; as Grinaker and LTA merged. At the beginning of 2005 the present management performed a “management buy-out” and took the business over from Grinaker-LTA.

In September this year (2013), we will be celebrating 50 Years of Excellence!

The company developed from a structural drawing office into a full service provider of structural steelwork and platework to the construction industry. We service the following sectors both locally and in the SADEC regions:

- Distribution Centers, Warehouses and Factories
- Shopping & Entertainment Centers
- Office Blocks and Parking Decks
- Convention Centers
- Motorcar Showrooms
- Airport Upgrades
- Mining and industrial structures
- Steelwork for materials handling
- Process plants in the Paper, Sugar, and Textile Industries
- Petro-chemical Industry
- Water Treatment Plants

C & U is well established in KwaZulu-Natal with our head office in Pinetown and our workshop situated in Glencoe, Northern Natal. This location serves us well as it enables C&U to service KZN, Gauteng, Northern Province, Mpumalanga, etc. and also coastal regions such as the Eastern and Western Cape.

1.2 Schedule of Experience

C&U have a proven track record both locally and in the export market.

*See attached Schedule of Experience marked **Appendix A** for more detail.*

1.3 Company Details

*Please see **Appendix B** for more specific Company Details*



2.0 ORGANOGRAM AND STAFFING

We employ 17 full-time administrative and drawing office staff and ± 115 hourly paid artisans, operators and assistants. The works force expands and contracts, depending on our workload. *Kindly refer to **Appendix C** for our Organogram.*

3.0 SERVICES OFFERED

Services we offer includes: design, shop detailing, fabrication, corrosion protection, transportation and erection of structural steelwork, platework, sheeting and other related bought-out materials.

3.1 Workshop Detailing

Workshop detailing and the preparation of project layouts are produced on CAD. All detailing standards comply the South African Institute of Steel Construction or client standards where applicable. The majority of shop drawings are produced on Tekla Structures, industry leading 3D-detailing software. Where not suitable, Autocad is used. We have two licenses Tekla Licenses and three Autocad 2014 licenses. If required, we can outsource shop detailing by employing the services of reputable structural steel detail draughtsmen to increase our capacity. The DSTV files produced by Tekla Structures are directly uploaded by our Pendinghouse Beamline for CNC operations.

3.2 Fabrication Facilities / Resources / Equipment

Our structural workshop in Glencoe is situated on a site measuring 44 000 m². It has an undercover workshop area of 7863m² and is serviced by 10 overhead cranes. We are planning further extensions comprising of a dedicated plate girder workshop, additional loading area and additional blasting and painting areas totalling 540m². Offices, under cover parking, ablutions and accommodation units measure 1200m².

The workshop has a capacity of circa **450** tons per month depending on the category of steelwork being fabricated. This output can be increased by involving other local consortium partners. This configuration has repeatedly been successful on larger projects.



The workshop is well equipped and includes the following:

Workshop Equipment	
<ul style="list-style-type: none"> • 1 x Plate Rolls • 2 x Band Saws • 5 x Multi-head straight-line cutters • 1 x Radial drills • 1 x Radial Reamer drill • 2 x Pedestal Reamer drills • 11 x C02 Welding Machines • 2 x Submerged Arc Welding Machines • 1 x CNC Cropper / Punch • 1 x Avenger CNC Beamline with Drill Sharpener 	<ul style="list-style-type: none"> • 7 x Punch and Shears • 1 x Verso 15 Beveling Machine • 1 x Triumph Beveling Machine • 2 x Plasma Cutters • 1 x Heavy Duty Cut-off Saw • 2 x Guillotines • 4 x Magnetic Base Drills • 4 x Broach Cutter Drills • 2 x Selfer Portable Punches • 42 x Welding Machines
Workshop Equipment Cont'd	
<ul style="list-style-type: none"> • 1 x SSR2000 -353CFM- Compressor • 1 x 100t - Bending Machine • 1 x 500 Ridig Threading Machine • 	<ul style="list-style-type: none"> • 1 x 500 KVA - Generator (Automatic Switch Over) • 1 x Plate Girder Pneumatic Jig Clamp • Sundry hand tools, cutting sets, angle grinders, bench grinders, etc.
Plant / Fleet	
<ul style="list-style-type: none"> • 1 x 30t American Crawler Yard Crane • 1 x 15t P&H RT Hydraulic Crane • 1 x 7t Kobelco Hydraulic Crane • 2 x 7t Mobi-lift yard Cranes • 1 x Tractor and Trailer • 1 x 3t Clark Forklift • 1 x 5t Unic Crane URW-506 	<ul style="list-style-type: none"> • 2 x 28t Volvo 400 hp Horses • 3 x 28t Semi-Trailers • 1 x 28t Step-deck Trailer • 1 x 7t Truck • 1 x 3t Truck • 7 x LDV's



Sand Blasting & Painting Equipment	Calibrated Inspection & Test Equipment
<ul style="list-style-type: none"> • 1 x Blast Cabinet • 4 x Blasting Pots • 2 x Airless Spray Guns • 5 x Conventional Spray Guns • 1 x Atlas Copco 250 CFM Compressor • Ingersol Rand 600 CFM Compressor • 1 x Demag 120SE- 430CFM-Compressor • 1 x Demag 155SE – 550CFM-Compressor • 1 x Ingersol Rand SSR – 430CFM-Compressor • 1 x Ingersol Rand SSR – 550CFM-Compressor 	<ul style="list-style-type: none"> • Elcometers • Surface Profile Guage SP10 • Fischer Permascope • Digital Thermo Hygrometer • Temperature Control Oven • Hot Boxes • 1m Shinwa Steel Rule • 30 m Starrett Tape Measure • 600mm Rafter Square • Hilti Laser level • Hilti Laser measuring device



3.3 Corrosion Protection

The corrosion protection of structural steelwork is undertaken in-house at our Glencoe premises. Steelwork can be abrasive blast cleaned and coated with both primer and intermediate coats in our yard. Our blasting facility of 1560m² is served by 2 Electric Overhead Cranes and features the latest anti-pollution measures. Final on-site painting including maintenance of existing steelwork is also done in-house or by carefully selected BEE sub-contractors.

3.4 Delivery and Erection

Delivery of steelwork is largely undertaken by our own fleet and where necessary supplemented by sub-contract transporters. Erection of structural steel is generally undertaken by our own crews locally and nationally or abroad under our supervision by specialist sub-contractors. C & U retains total responsibility and accountability for the delivery and erection.

3.5 Contracts Management

Projects are managed in respect of performance, progress against programme, quality, safety and handover by our competent contract management team. Once a contract is formally awarded, a Contract Launch meeting is held, where the management and other key role players are comprehensively briefed on the scope of the contract. Construction programmes are generated using Microsoft Project, detailing all activity milestones. Weekly production monitoring schedules can also be made available upon request. For the duration of the contract, weekly Contract Meetings are held to monitor progress and performance.

4.0. QUALITY

Churchyard & Umpleby operates and is committed to a Quality Management System that conforms to the requirements of **SABS ISO 9001:2008** and is an ISO 9001:2008 listed company. Please see **Appendix D** for our Quality Manual, **Appendix E** for a copy of our ISO 9000:2008 Certificate and **Appendix F** for an example of a generic Quality Control Plan. See **Appendix G** for our Quality Policy.

We are Approved Suppliers to organisations such as RBM, Mondi, Sappi, Sapref, Engen, Fluor, Hatch, Mozal, Alusaf, Assmang, Karbochem, Transnet, Portnet, PPC, Toyota, and Hulett's Aluminium, Consol Glass and many others.



5.0 **SAFETY**

Churchyard & Umpleby acknowledges that all employees are important and have the right to a safe working environment. All our employees take responsibility for health and safety within their areas of work. We have developed safety procedures to ensure that the risk of accidents and its associated financial losses are minimised. Our workshop conforms to the requirements of the OHS Act 85 of 1993 and its Regulations. We are regularly audited by an approved inspection authority to ensure safety is treated as paramount. We have achieved a **94%** compliance in our last assessment. **Appendix H** shows the contents of our Safety Management Documents. Also see **Appendix I** for our Safety and Health Policy.

6.0 **BLACK ECONOMIC EMPOWERMENT & PARTICIPATION**

Churchyard & Umpleby Construction (Pty) Ltd. (C&U) is a **Level 5 Contributor** with an overall score of 61.55% on the Scorecard. See attached BEE Certificate from Amax BEE.

C&U have adopted the following strategy in order to address BBBEE objectives.

- C&U is an authentic BEE company with a 50% BEE Equity Component.
- C&U optimises the participation of local Black Business Enterprises (BEE's) and Previously Disadvantaged Individuals (PDI) within the project impact area throughout the project value chain by either and/or :
 - Option 1: Forming Joint Venture (JV) partnerships with other BEE's to undertake all components of the "Structural Steelwork" Trade Package (TP).
 - Option 2: Sub-contacting the following components of our Structural Steel Trade Package to achieve PDI & BEE Participation.
- Whilst ensuring Employee Empowerment by having all BEE participants comply to the Employment Equity Act Number 55 of 1998, the Skills Development Act Number 97 of 1998, the Skills Development Levy Act number 9 of 1999 and that all training plans must conform to the S.A. Qualification Authority Act Number 58 of 1995.
- Employ Targeted Labour by giving preference to people from the local community.



- Develop a skills transfer programme for PDI's and Targeted Labour during the project life cycle in line with the Skills Development Act specifically for steel-erectors, bolters, painters, etc.
- Develop support mechanisms to mature and enhance managerial, technical and commercial skills of BEE's during the execution of the project by mentoring and exposing BEE's to our business philosophy and conduct.
- Supporting BEE's to complete projects successfully in order to attain credibility in commercial circles for future projects.

7.0 **MANAGEMENT TEAM**

Our Management team comprises the following:

- Mark Ferreira, responsible for Marketing and Estimating, 44 Years of age, employed by C&U since 1993
- Sagren Naidoo, responsible for Contracts Management, 50 years of age, employed by C&U since 1982
- Tony Naidoo, responsible for Workshop Production and Operation, 53 years of age, employed by C&U since 1980
- Keith Ball, responsible for Finance and Admin., 69 years of age, employed by C&U since 1980

7.1 **CONTACT DETAILS**

- | | | |
|-----------------|--------------|--|
| • Mark Ferreira | 082 787 2337 | mark@candu.co.za |
| • Sagren Naidoo | 082 573 5062 | sagren@candu.co.za |
| • Tony Naidoo | 082 375 1547 | tony@candu.co.za |
| • Keith Ball | 083 457 9766 | keith@candu.co.za |

8.0 **SUMMARY**

Churchyard & Umpleby Construction (Pty) Ltd. is able to offer our clients a complete package of services in a structural steel contract from design to handover anywhere in the Southern African Region.