

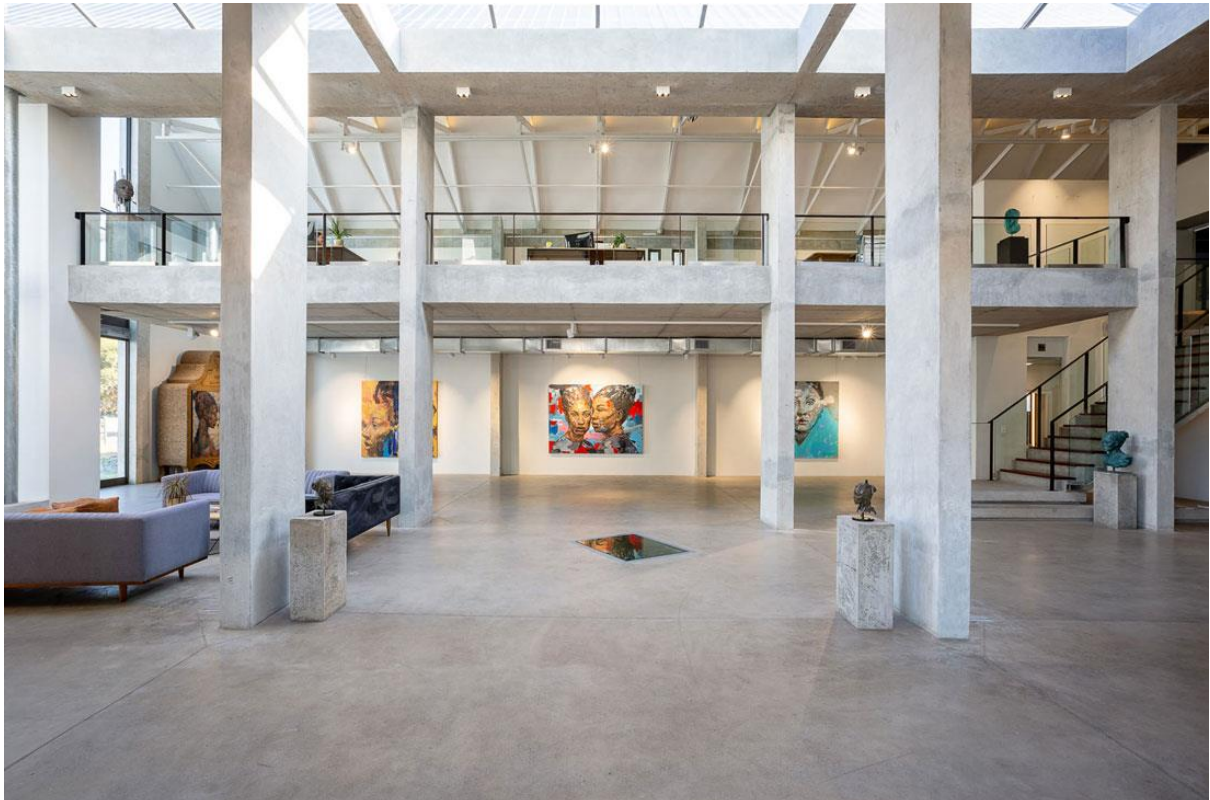
BY DESIGN STRUCTURAL ENGINEERING & BUILDING STABILISATION

COMPANY PROFILE 2022

3 LINTON STREET, STELLENBOSCH, 021 035 1752



BY DESIGN



WHO WE ARE

BY DESIGN IS FOREMOSTLY A STRUCTURAL ENGINEERING CONSULTANCY. WE ARE BASED IN STELLENBOSCH, SOUTH AFRICA, BUT CONSULT ON PROJECTS GLOBALLY. OUR TECHNICAL EXPERTISE, COUPLED WITH CONSTRUCTION EXPERIENCE, MAKES US MARKET LEADERS IN A COMPETITIVE INDUSTRY.

OUR APPROACH INCORPORATES:

- CONVENTIONAL MASONRY
- RE-INFORCED CONCRETE
- STRUCTURAL STEEL
- TIMBER
- LIGHT STEEL FRAMING
- COMBINATION OF SYSTEMS (E.G. COMPOSITE CONCRETE AND STRUCTURAL STEEL INCORPORATING PRE-CAST SYSTEMS OR OTHER DECKING SYSTEMS)

BY DESIGN ALSO OFFERS A BUILDING STABILISATION DIVISION. THIS PROVIDES A RANGE OF INNOVATIVE, COST-EFFECTIVE TECHNOLOGIES AS A SOLUTION FOR FLOOR AND FOUNDATION SUBSIDENCE. THROUGH COMPACTION AND STABILIZATION, WE OFFER:

- CEMENTITIOUS GROUT INJECTION
- EXPANDING RESIN INJECTION

THE HIGHEST PROFESSIONAL STANDARDS OF EXCELLENCE, COUPLED WITH INNOVATION AND EXPERIENCE, MAKES BY DESIGN THE PREFERRED "OUT OF THE BOX" ENGINEERING COMPANY FOR A WIDE RANGE OF GLOBAL CLIENTELE.

WE ARE KNOWN FOR:

- TECHNICAL EXPERTISE
- PRACTICAL APPROACH, AS A RESULT OF OUR CONSTRUCTION EXPERIENCE
- CAN-DO ATTITUDE
- CREATIVE, OUT-OF-THE-BOX SOLUTIONS
- AGILITY, BECAUSE OF OUR EXPERIENCE IN BOTH NEW AND CONVENTIONAL
- TECHNOLOGIES
- STRAIGHTFORWARD, ETHICAL BUSINESS PRACTICES

ENGINEERING TEAM



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LUBABALO
CREW MEMBER



SAMKELO
CREW MEMBER



NDUMISO
CREW MEMBER



NTSIKELELO
CREW MEMBER



THABILE
CREW MEMBER



VUYANI
CREW MEMBER



ABONGA
CREW MEMBER



SIMAMKELE
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ADMINISTRATION AND OPERATIONS



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SPRINGBOK PLAZA

SPRINGBOK | NORTHERN CAPE

THIS $\pm 7000\text{m}^2$ SHOPPING CENTRE HAS A BASEMENT PARKING GARAGE WITH THE ENTIRE SHOPPING FLOOR SUSPENDED OF A COMPOSITE STRUCTURAL STEEL AND CONCRETE SUPERSTRUCTURE. THE STRUCTURE INCORPORATES THREE DIFFERENT CONCRETE DECKING SYSTEMS



BRUMA LAKE

BRUMA | JOHANNESBURG

THIS $\pm 10\,000\text{m}^2$ SHOPPING CENTRE HAS TWO BASEMENT PARKING LEVELS BELOW TWO SHOPPING LEVELS WITH THE ENTIRE STRUCTURE SUSPENDED OF A COMPOSITE STRUCTURAL STEEL AND CONCRETE SUPERSTRUCTURE.



OCEAN VILLAGE

YZERFONTEIN | WESTERN CAPE

THIS ± 3000m² SHOPPING CENTRE HAS A STRUCTURAL STEEL SUPERSTRUCTURE WITH LIGHT STEEL FRAME ENTRANCE FEATURE





STUDIO SMIT

SOMERSET WEST | WESTERN CAPE

THIS CONCRETE FRAMED ART STUDIO WAS BUILT FOR THE RENOWNED ARTIST, LIONEL SMIT.



ORIGIN WINES

BOTTELARY ROAD | STELLENBOSCH

SINCE 2007 WE HAVE BEEN INVOLVED WITH VARIOUS EXTANSIONS AT THIS FACILITY OFF BOTTELARY ROAD INCLUDING A LARGE WAREHOUSE WITH CELLULAR BEAM BARREL VAULT CANOPY BUILT IN 2007 TO OFFICE ADDITIONS INCORPORATING RECLAIMED CONTAINERS



DARLING ROMERY

DARLING | WESTERN CAPE

BY DESIGN HAS BEEN INVOLVED WITH STRUCTURAL DESIGN OF CONTINUAL EXPANSION AT THIS GROWING FACILITY SINCE 2007

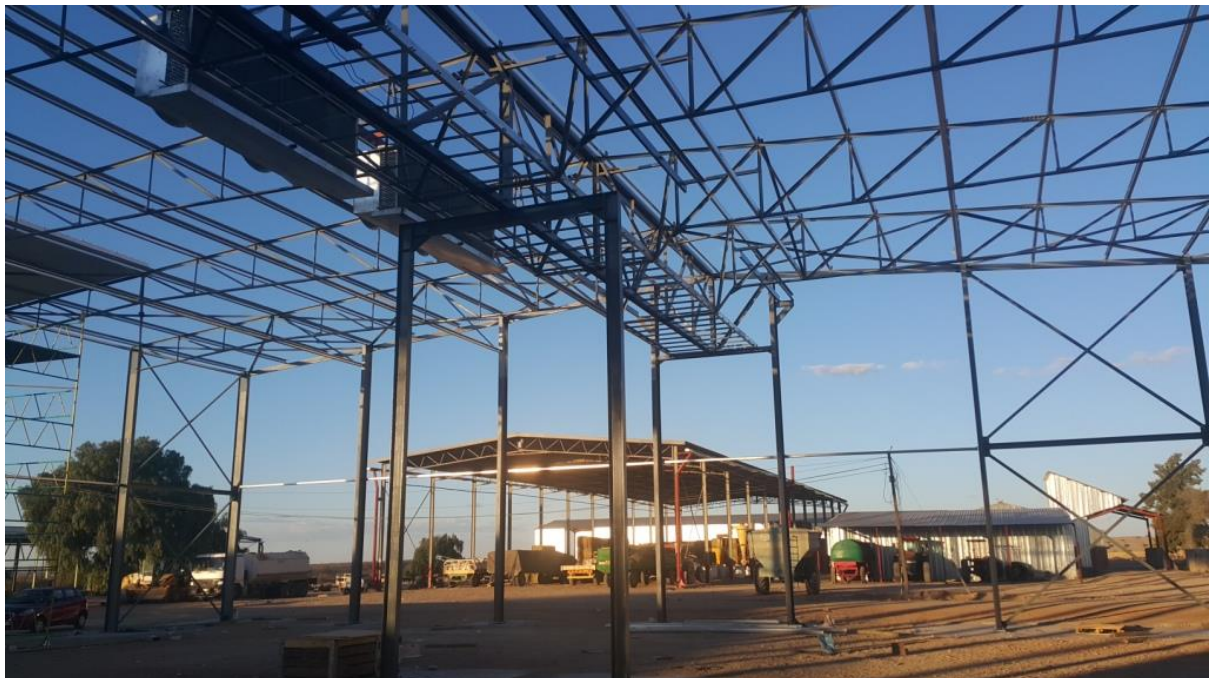


BY DESIGN

GWK COLDSTORE

DOUGLAS | NORTHERN CAPE

POTATO COLD STORE. CONSTRUCTION TIME FROM BREAKING GROUND TO COMMISSIONING WAS \pm 10 WEEKS.



BY DESIGN

ARISA

SWELLENDAM | WESTERN CAPE

FRUIT PACKAGING FACILITY.



NAT GLASS

CAPE TOWN | WESTERN CAPE

EXTENSION OF PRODUCTION FACILITY INCLUSIVE OF OVERHEAD CRANE.



VISION MEATS

KLERKSDORP | NORTH WEST

THIS COLD STORE INCORPORATES HIGH TECH BLAST FREEZAR AND MOVABLE RACKING SYSTEMS.





STEINHOFF HEAD OFFICE

STELLENBOSCH | WESTERN CAPE

OUR INVOLVEMENT WITH THIS PROJECT INCLUDED RETRO FITTING OF A NUMBER OF FEATURE GLASS BOXES SUPPORTED BY STRUCTURAL STEEL SUPERSTRUCTURES AND A REMARKABLE SPIRAL STAIRCASE, TO COPE WITH ADDITIONA LOADS WE REINFORCED EXSTING FOUNDATIONS USING OUR INJECTION GROUTING TECHNOLOGY



BAGASSE BOILER PLANT

SUGAR CANE | PHILIPPINES

WE DESIGNED THIS 300TON STRUCTURAL STEEL SUPER STRUCTURE TO WITHSTAND SEVERE EARTHQUAKE AS WELL AS CYCLONE LOADS.

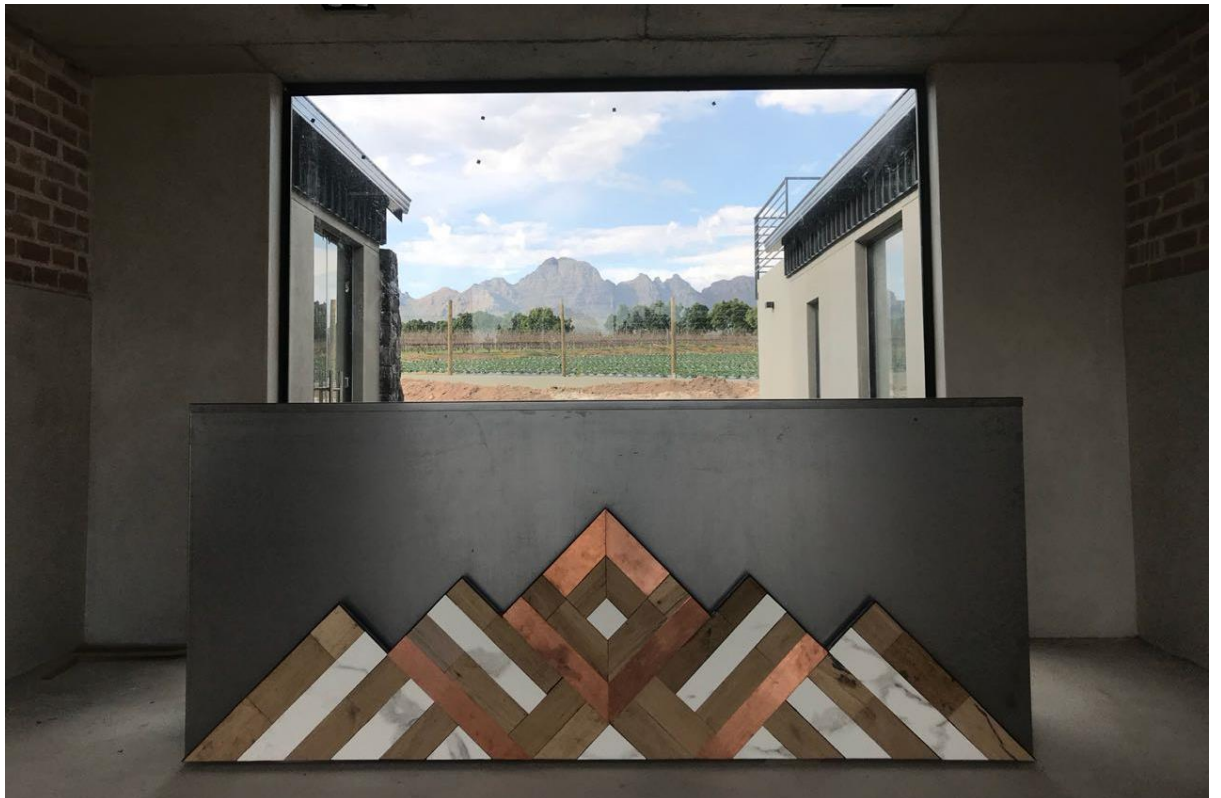


BY DESIGN

MOUNTAIN BREEZE

R44 | STELLENBOSCH

VERY INTERESTING COMBINATION OF REINFORCED CONCRETE, STRUCTURAL STEEL AND TIMBER ELEMENTS.



BANHOEK FRUIT PACKERS

PNIEL | WESTERN CAPE

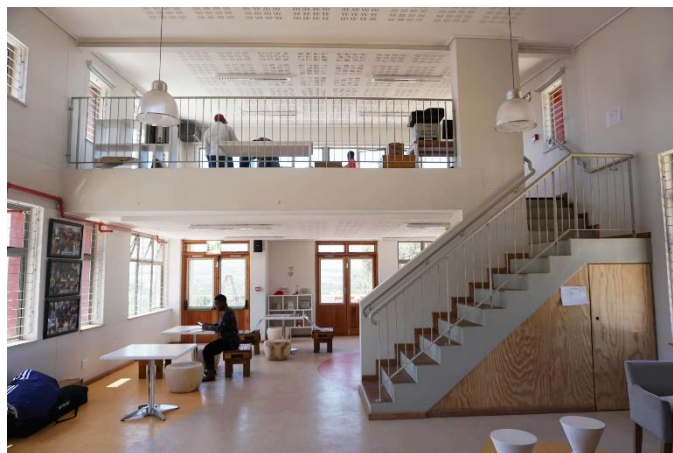
A TYPICAL PACK STORE EXTENSION.



TWK RESOURCE CENTRE

VILLIERSDORP | WESTERN CAPE

A COMMUNITY PROJECT DRIVEN BY VPUU



ALBERT ROAD

WOODSTOCK | CAPE TOWN

TOP FLOOR EXTENSION USING LIGHT STEEL FRAME



BY DESIGN

TYGERBERG HOSTELS

TYGERBERG CAMPUS | BELLVILLE

A LIGHT STEEL FRAME FIRST IN THE WESTERN CAPE



BY DESIGN

HOPE AND LIGHT PRIMARY SCHOOL

SOMERSET WEST | WESTERN CAPE

AN ENTIRE SCHOOL INCLUDING SINGLE AND DOUBLE STORY CLASSROOMS, AN ADMIN BLOCK AS WELL AS A SCHOOL HALL CONSTRUCTED USING LIGHT STEEL FRAME AND UFCC SOLID WALL SYSTEM.



KEYS

CLARA ANNA FONTEIN | DURBANVILLE | WESTERN CAPE



BY DESIGN

RHENISH GIRLS HIGH

STELLENBOSCH | WESTERN CAPE

6 NEW CLASSROOMS FOR THE MATHS AND AFRIKAANS DEPARTMENTS
AND A NEW ACTIVITY CENTER



BY DESIGN

BLOEKOMBOS PRIMARY

KRAAIFONTEIN | WESTERN CAPE



CABINE DU CAP

MONTAGU | WESTERN CAPE



HOUSE ZAAIMAN

ST JAMES KALK BAY | WESTERN CAPE



HOUSE GROENEWALD

DE ZALZE ESTATE | STELLENBOSCH | WESTERN CAPE



HOUSE BRUINETTE

PEZULA PRIVATE ESTATE | KNYSNA | WESTERN CAPE



HOUSE VAN DYK

DE ZALZE ESTATE | STELLENBOSCH | WESTERN CAPE



BY DESIGN

SWALLOW FARM

STANFORD | WESTERN CAPE



LE JARDIN VILLA

DEVON VALLEY | STELLENBOSCH | WESTERN CAPE



JOHANNESDAL

PNIEL | WESTERN CAPE



HOUSE THOMPSON

FRANSCHHOEK | WESTERN CAPE



HOUSE BREED

DIE BOORD | STELLENBOSCH | WESTERN CAPE



CLIFF VIEW

CORDOBA FARM | R44 | WESTERN CAPE



HOUSE COWLING

STONEHURST ESTATE | CAPE TOWN | WESTERN CAPE



HOUSE BLOOM

VAL DE VIE ESTATE | PAARL | WESTERN CAPE



BY DESIGN

HOUSE FARRELL

WINELANDS ESTATE | PAARL | WESTERN CAPE



BY DESIGN

HOUSE SEELUG

WINERY RD | R44 | WESTERN CAPE

