

100 LEGEND OF MATERIALS

REFER TO STRUCTURAL ENGINEER'S DETAIL FOUNDATION DRAWINGS FOR

SIZE AND DEPTH OF FOOTINGS. COLUMNS & RETAINING WALLS. Provide Vertical tanking at all retaining walls, basements & level changes. POLYGLASS torch-on waterproofing membrane system fixed in accordance with manufacturer spec.

Concrete surface bed (min 100 mm - to Engineers Specification), on GUNDLE AT USB GREEN 250micron, on min 150mm good, clean hard core consolidated fill treated with ant poison. Hard core fill to be compacted in layers to engineer's specification. All bathroom / shower / cold room floors to be cast 50mm lower than general TOC to allow

for floor drains with min 1:100 fall. Provide 40mm thick Lambdaboard insulation under concrete surface bed to all rooms with 25mm thick vertical insulation between slab & walls. Provide underfloor heating to designated areas as per specialist detail. Structural slab, supports and beams to Eng. spec. All bathroom / shr cold room floors to be cast 50mm lower than general TOC to allow for floor drains with min 1:100 fall.

Exposed Slabs to be waterproofed with POLYGLASS torch-on (or similar and approved) waterproofing by specialist if internal building space below slab or cementitious waterproofing if external building space below slab. Both to be applied on top of screed to fall of 1:100 with finish to spec [adhere to SANS10400-B]

RC or Steel (As indicated) staircase to Architect's and Engineer's detail and as per specialist (Shopdrawings to be provided for approval by arch. and eng.). Where concrete stairs are over or adjacent to interior spaces, the stair surface, risers, treads & sides should be screeded to fall & waterproofed by specialist

Threshold waterproofing, Cementitious waterproofing on Aluminium base outwards and torch on waterproofing from angle 1m inwards in accordance to specialist's detail. Selected cut solid rock as per spec. by specialist on in-situ concrete deck / surface bed

with screed to fall. Selected timber flooring as per spec. and by specialist (Internal) on required underlayer

/ sub-structure on screed Maplette Magnesium Oxychloride flooring on screed by specialist, sealed. Colour TBC by Architect Joint lines saw cuts by installer as indicated on drawings and approved by specialist. Steel angles at various floor finish cross overs and should be painted with Duram NS4 Grey and top expossed surface of angle should be wiped clean of paint.

Sample approved by architect. Stair nosings to be Maplette by specialist (Only where indicated) Honed Exposed Stone Aggregate - Readymix 40-60mm thick with stone aggregate, colour TBC, (<13mm) screed, polished with diamond cutter to expose stone. Provide Ref 193 Steel Mesh in screed. Joint Lines @ appox 3.5 x 3.5 (Cut lines 20-30mm deep

x 2.3mm wide) Sample of stone to be submitted for approval by Architect. Brushed Stone Aggregate - Ready mix 100mm thick stone aggregate, colour TBC, (<13mm) screed, brushed to expose stone. Provide Ref 193 Steel Mesh in screed. Joint Lines @ approx. 3.5 x 3.5 (Cut lines 20-30mm deep x 2.3mm wide) Sample of stone to

be submitted for approval by Architect 10 Selected tiles on Resiflex waterproofing to floor laid to min 1:100 fall as shown. Grouting ioints and colour to be confirmed by Architect All floor and wall joints to line up.

Pavers to spec., colour TBC, on dpc overlapping layers on poisoned river sand on well compacted soil. Samples to be approved by architect. Note: Steepness of slope of ramp. Allow for concrete ground beams to prevent paver slippage as required by

b12 Firetight klompies installed according to detail and as per manufacturers specification

3 Epoxy painted floor finish applied according to supplier's specification on screed to fall. b14 Steel staircase to Architect's and Engineer's detail. The stairs to be a loose standing steel element fixed to concrete floor and custom structure above, all by specialist. Shopdrawings to be provided for approval by architect and engineer. Clay stock bricks, flush jointed with floated and sponged undulated 20-25mm cement

plaster to receive Architect specified finish (Note: Only where plaster walls are exposed. Timber cladded walls to receive standard 12mm smooth plaster). All bricks to be wet before laid. Provide 25mm Isoboard wall insulation to the inside skin of all external cavity walls. Installed strictly as per manufacturer specification. (To comply with SANS10400-XA:2011(4.3.3)

GUNDLE AT BRICKGRIP DPC 250mic under all walls and cills, brickforce every 6

Retaining wall by Structural Engineer.

RC Ring beam by Structural Engineer.

5 Skirting: Platered walls = 85mm High pointed joint in plastered wall. Timber walls = 85mm High step in wall finish to detail. Tiled walls = Flush to floor finish. Samples of all to be approved by architect.

Cementitious Waterproofing on sloped plaster to top of boundary & parapet walls, painted to spec.

Balustrades & Handrails: Refer to Architects detail. To comply with SANS10400D. 1m High from FFL with no opening that permits the passage of a 100mmØ ball.

Selected timber cladding as per spec. and by specialist. Paint: plaster to receive approved undercoat & textured paint, Midas Midamite Medium or similar approved. Colour TBC. Coastal regions to receive waterproofing layer as per

Selected handmade tiles to walls per architect's layout. Grouting joints and colour TBC. All floor, wall and ceiling joints to line up. Soft joints colour to match grout. All to

P. Autoclaved Aerated Concrete (AAC) building blocks (Size = 600 x 250 x 220mm (external) 150mm (internal) thick), installed with thin bed mortar glue (3mm) and fibreglass mesh as brickforce every 2nd row, laid according to supplier's specification. Lintels according to suppliers specs. Prepare for Rhinolite finish according to supplier spec. Blocks to be cut where walls are curved or pointed.

c14 Composite sun screen structure as indicated on drawings. Finished with All Grip paint finish, as per specialist. Colour to be confirmed by Architect. Fasteners to be robust, watertight, rust free and installed according to manufacturer's specification (Take note of

wind loads). Sheets to overlap at joints and sealed accordingly to be watertight, by specialist. Vertical sceen with support structure designed and approved by composite & structural eng. Shop drawings to be submitted to Architect for approval. Guarantees to be provided for complete installation, including durability of product's strength and finish.

Ceiling Insulation Provide 1x 135mm Isotherm insulation below composite structure and above ceiling line. Fixing to be by specialist & approved by Arch. & composite specialist. To comply with SABS 1381 part 186 and SANS10400-XA.

12 9.5mm RHINOBOARD (Internal) ceiling board by approved specialist fixed to underside of roof structure. DONN ceiling trim shadowline detail between wall & RHINOBOARD

d3 12.5mm RHINOBOARD (External) moisture resistant ceiling board by approved specialist fixed to underside of roof structure. Allow shadowline detail between wall & ceiling. (Refer to drawings direction of ceilings) Joints taped, first skimmed over taped lights and then fully skim plastered and painted to match walls. Plaster to underside of concrete slabs, staircases & concrete beams, Plaster & paint

finish to match walls; NOT skimmed. All soffits to receive drip joint to Arch. Detail. Timber boarded ceiling to spec. Suspended below roof structure as per specialist. Solid

16 Composite finish, painted to spec., all as per specialist

Selected handmade tiles to walls per architect's layout. Grouting joints and colour TBC. All floor, wall and ceiling joints to line up. Soft joints colour to match grout. All to Approval of Architect

ROOF - Roof Structure to Engineer / Specialist design and to be approved by Architect Composite roof structure with pitches and falls as indicated on drawings. Finished with All Grip paint finish, as per specialist. Colour to be confirmed by Architect. Fasteners to be robust, watertight, rust free and installed according to manufacturer's specification (Take note of wind loads). Sheets to overlap at joints and sealed accordingly to be watertight, by specialist. Roof structure designed and approved by composite eng. Shop drawings to be submitted to Architect for approval. Guarantees to be provided for complete installation, including durability of product's strength and finish.

Double glazed structural glass sheets fixed according to specialist. Colour to be confirmed. Structure to be approved by structural eng. Shop drawings to be submitted to Architect for approval.

POLYGLASS (or similar and approved) waterproofing by specialist over screed covered with 50mm DIPPS insulation board with membrane cover. Finish with 50mm stone layer I (<13mm) over if no other finish is indicated. Landscaping where indicatec. Fullbore outlets to Geberit design and supply, or similar and approved. Allow for caged cover at fullbores that are covered - To be discussed on site with architect prior to manufacturing.

Sheet Metal Roof Flashing to be manufactured from 0.55mm COLORBOND G300 Iflashing feed Clean Colorbond, color to match roof sheeting, 10 x 150 Nutec Fascia board painted same as wall. Shop drawings to be submitted to Architect for approval. Composite gutter integrated into roof structure with integrated downpipe spouts to turn into PVC stormwater pipe by eng. Waterproofing as per specialist. Colour to match roof

colour. Sizes TBC by engineer/specialist & approved by Architect. Masonry Construction Chimney / Stainless Steel Turbo Cowl with flue pipes. Provide for composite cover over already insulated flues, colour to match roof, and by specialist. Cowl and flue by specialist, refer to Architect's detail. All chimneys to comply with 'SANS 10400 Part V. Note: All flue pipes to be insulated as per specialist where exposed to flammable material - ie. Ceilings etc.

DOORS & WINDOWS - Glazing to comply with SANS10400 Part N. All doors, windows and external shutters to be powder coated Aluminium. Refer to door

and window schedules. Colour to be confirmed by Architect. All details and installation specifications by specialist. Refer to electrical layout for electrical connections to glazed lareas where indicated.

Sloped plastered & waterproof cill, with built in dpc & drip to Architect's detail & painted to spec. Composite cill, sloped and finished according to composite specialist Cavities for pocket sliders, cavity depth to be min 100mm deeper than slider length Cavity walls to be bagged & primed with black flintcoat full height & width (all walls)

Discrepancy max. 20mm over entire length/height/width. Cavity floors to be sealed with Resiflex both sides of angle & min 2 brick courses all around.

#### general notes:

No amendments or alteration are to be made in the specifications of labour and material documents. Full set of the latest drawings to be in the site office at all times. JBCC 5.0 applies "The contractor shall keep a representative competent to administer and control the works continuously on the site during the execution of the

The contractor and sub-contractors shall insure their workmen in terms of the Workmen's Compensation Act 1941, and amendments thereof, and shall indemnify the employer from any claim there under. Contractor and site practice to comply with Occupational Health and Safety Act, No.85 of 1993.

Building to be set out by a registered Land Surveyor

Final levels of buildings to be confirmed with architect. Contractor to make adjustments on UFFL to allow for floor finish as specified to get to final FFL as on drawings. All external concrete slabs to step lower than unfinished

ground level at door thresholds.

### walls and therefore will not correlate with the Gross Building Areas. All existing trees and vegetation to be protected against any damage.

All specified brand name materials to be in strict accordance with manufactures specifications & details. Shop drawings to be presented to architect for approval before ANY SPECIALIST installation can commence. All materials, finishes and glazing to conform to SANS & SABS approved, wherever applicable.

The architect is not expected to carry out continuous supervision; his inspections are

Room Areas indicated on floor plans are internal floor areas and do not account for

### SUPERVISION BY ARCHITECT

for the benefit of the employer, not the contractor and do not relieve the latter of any of his contractual obligations. In the event of any matter arising which the contractor considers of such importance that the architect must be consulted, every reasonable attempt shall be made by the contractor to communicate with him before proceeding with the point at issue. It must, however, be borne in mind that the architect is employed to ensure correct compliance with the terms of this drawing, proper building procedures in accordance with the best traditions of the various trades and adequate finishes as specified and to his satisfaction. The architect is thus in no way responsible for any act or omission on the part of the contractor, which may result in any patent or latent defects in materials of workmanship, breach or neglect of any local regulations. The contractor therefore remains at all times responsible for any such neglect, deviation or wrong act, whether the same be discovered before or after

## **SANS 10400-XA**

Refer to EE Supplemental Guide 'Energy Efficiency in Buildings, SANS 10400 - XA & SANS 204' report

**Building Envelope** 

the final certificate, or any other certificate, is approved.

FLOORS: to comply with SANS 10400-XA:2011, 4.4.2, to be insulated underneath the slab with insulation of minimum R Value of 1. EXTERNAL WALLS: to comply with SANS 10400-XA:2011, 4.4.3, to have a minimum total R-value of 0.35

To comply with SANS 10400-XA:2011, 4.1. Maximum 50% of all domestic water

heating to be resistor type heating. Minimum 50% to be from alternative heating All hot water service pipes shall be clad with insulation with a minimum R-value of 1 Calculations done by specialist as separate document

ROOFS: to comply with SANS 10400-XA:2011 4.4.5, to have a minimum R-value of



SACAP no: Pr. 210126

Sketch design issued to client

Issued to Local Authority

Revised issue to local authority

2020.11.18 Date:

evisions - Ground floor - Fireplace moved. Terrace adjusted. Kids court adjusted. First floor - Bedroom he adboards adjusted Pool safety notes added following council's reques OSCAE requirements - No activity sone in 2mbuilding area on ocean

2020.11.18

# Revised issue to Local Authority - Notes revised according to Dep. issue status

### FOR LOCAL AUTHORITY APPROVAL

notes

The design on this drawing remains the property of the CLIENT (Only once paid for in full). Copyright Reserved All dimensions to be checked on site before any

work is put in hand. ANY DISCREPANCY between all drawings should immediately be brought to the attention of the client / representative and resolved before work commences. This drawing is to be read in conjunction with 'SPECIFICATION OF MATERIAL & LABOUR' for this project. Site instructions

#### take preference over legend of materials. company

SOLVATION

Cilli é Malan Pr. Arch 21016 - Contact cm@solvation.africa / 082 903 6907 95 Dorp Street Stellenbosch - La Gratitude Heritage Building

project title

**NEW DWELLING - HOUSE SATURN for Ms** 

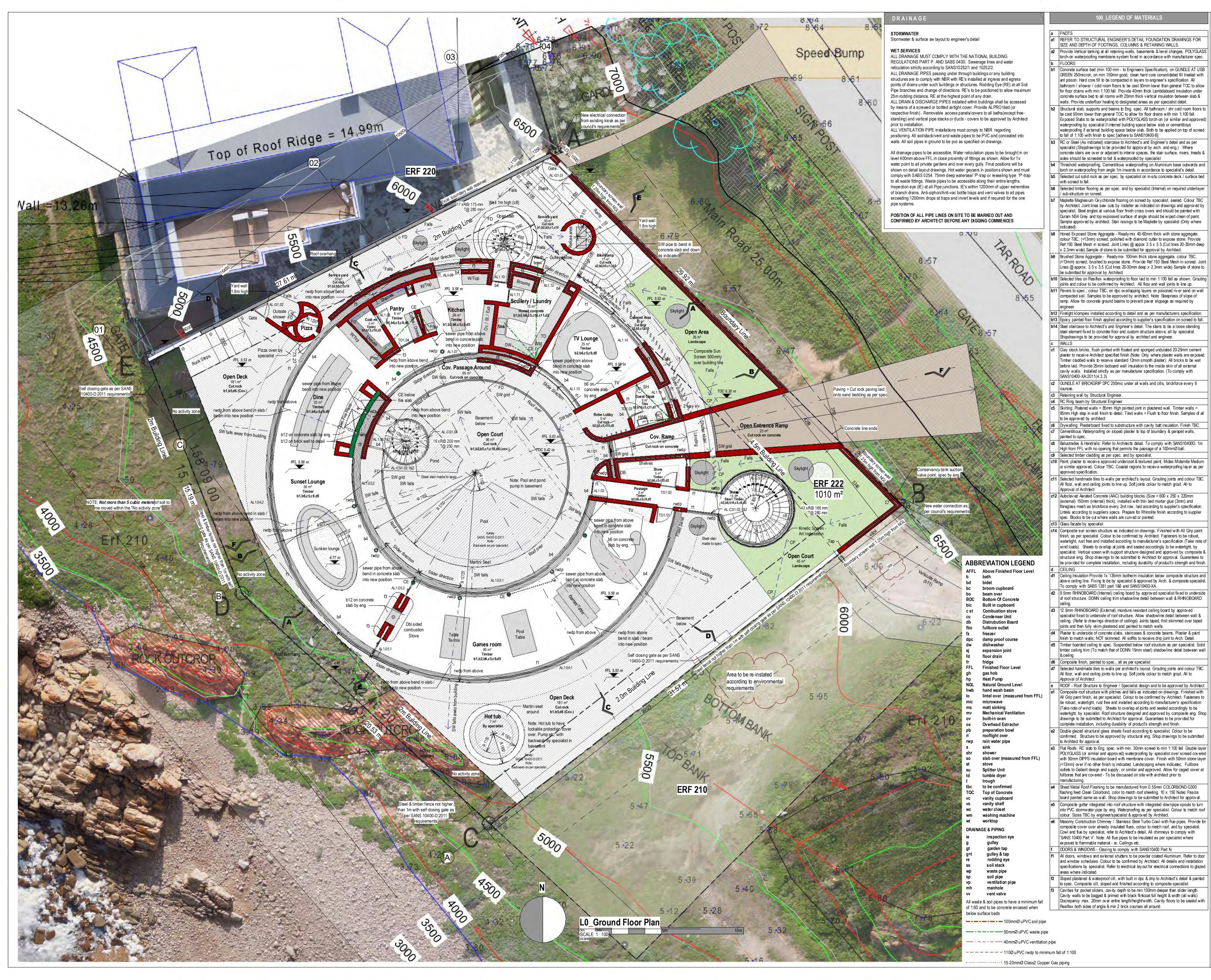
**MMS Roos** ERF 222 Buffelsbaai

**BASEMENT FLOOR PLAN** 

drawing title







general notes:

No amendments or alteration are to be made in the specifications of labour and material documents. Full set of the latest drawings to be in the site office at all times. JBCC 5.0 applies "The contractor shall keep a representative competent to

administer and control the works continuously on the site during the execution of the The contractor and sub-contractors shall insure their workmen in terms of the Workmen's Compensation Act 1941, and amendments thereof, and shall indemnify the employer from any claim there under. Contractor and site practice to comply with

Building to be set out by a registered Land Surveyor.

Final levels of buildings to be confirmed with architect.

Occupational Health and Safety Act, No.85 of 1993.

Contractor to make adjustments on UFFL to allow for floor finish as specified to get to final FFL as on drawings. All external concrete slabs to step lower than unfinished ground level at door thresholds.

Room Areas indicated on floor plans are internal floor areas and do not account for walls and therefore will not correlate with the Gross Building Areas.

### All existing trees and vegetation to be protected against any damage.

All specified brand name materials to be in strict accordance with manufactures specifications & details. Shop drawings to be presented to architect for approval before ANY SPECIALIST installation can commence. All materials, finishes and glazing to conform to SANS & SABS approved, wherever applicable.

SUPERVISION BY ARCHITECT The architect is not expected to carry out continuous supervision; his inspections are for the benefit of the employer, not the contractor and do not relieve the latter of any

of his contractual obligations. In the event of any matter arising which the contractor considers of such importance that the architect must be consulted, every reasonable attempt shall be made by the contractor to communicate with him before proceeding with the point at issue. It must, however, be borne in mind that the architect is employed to ensure correct compliance with the terms of this drawing, proper building procedures in accordance with the best traditions of the various trades and adequate inishes as specified and to his satisfaction. The architect is thus in no way responsible for any act or omission on the part of the contractor, which may result in any patent or latent defects in materials of workmanship, breach or neglect of any ocal regulations. The contractor therefore remains at all times responsible for any such neglect, deviation or wrong act, whether the same be discovered before or after the final certificate, or any other certificate, is approved.

### **SANS 10400-XA**

Refer to EE Supplemental Guide 'Energy Efficiency in Buildings, SANS 10400 - XA & SANS 204' report

#### Climatic Zone HIGHVFI D

minimum total R-value of 0.35

**Building Envelope** FLOORS: to comply with SANS 10400-XA:2011, 4.4.2, to be insulated underneath the slab with insulation of minimum R Value of 1. EXTERNAL WALLS: to comply with SANS 10400-XA:2011, 4.4.3, to have a

o comply with SANS 10400-XA:2011, 4.1. Maximum 50% of all domestic water neating to be resistor type heating, Minimum 50% to be from alternative heating

ROOFS: to comply with SANS 10400-XA:2011 4.4.5, to have a minimum R-value of

All hot water service pipes shall be clad with insulation with a minimum R-value of 1 Calculations done by specialist as separate document

SACAP no: Pr. 210126

2020.11.18 2020.11.18

Ο.	Description	Date
1	Sketch design issued to client	2020.07.31
2	Revisions - Ground floor - Fireplace moved. Terrace adjusted. Kids court adjusted. First floor - Bedroomheadboards adjusted	2020.07.31
3	Issued to sustainable consultant and systems specialists	2020.08.22
4	Issued to Local Authority	2020.09.25
5	Pool safety notes added following council's request	2021.01.15
ŝ	OSCAE requirements - No activity sone in 2mbuilding area on ocean side	2021.01.19
7	OSCAE application - re-submission	2021.01.20
3	Revised issue to local authority	2021.08.26
9	Revised issue to Local Authority - Notes revised according to Dep.	2022.01.17

## issue status

### FOR LOCAL AUTHORITY APPROVAL

### notes

The design on this drawing remains the property of the CLIENT (Only once paid for in full). Copyright Reserved All dimensions to be checked on site before any work is put in hand. ANY DISCREPANCY between all drawings should immediately be brought to the attention of the client / representative and resolved before work commences. This drawing is to be read in conjunction with 'SPECIFICATION OF MATERIAL & LABOUR' for this project. Site instructions take preference over legend of materials.

## company

SOLVATION

Cillié Malan Pr.Arch 21016 - Contact: cm@solvation.africa / 082 903 6907 95 Dorp Street Stellenbosch - La Gratitude Heritage Building

project title

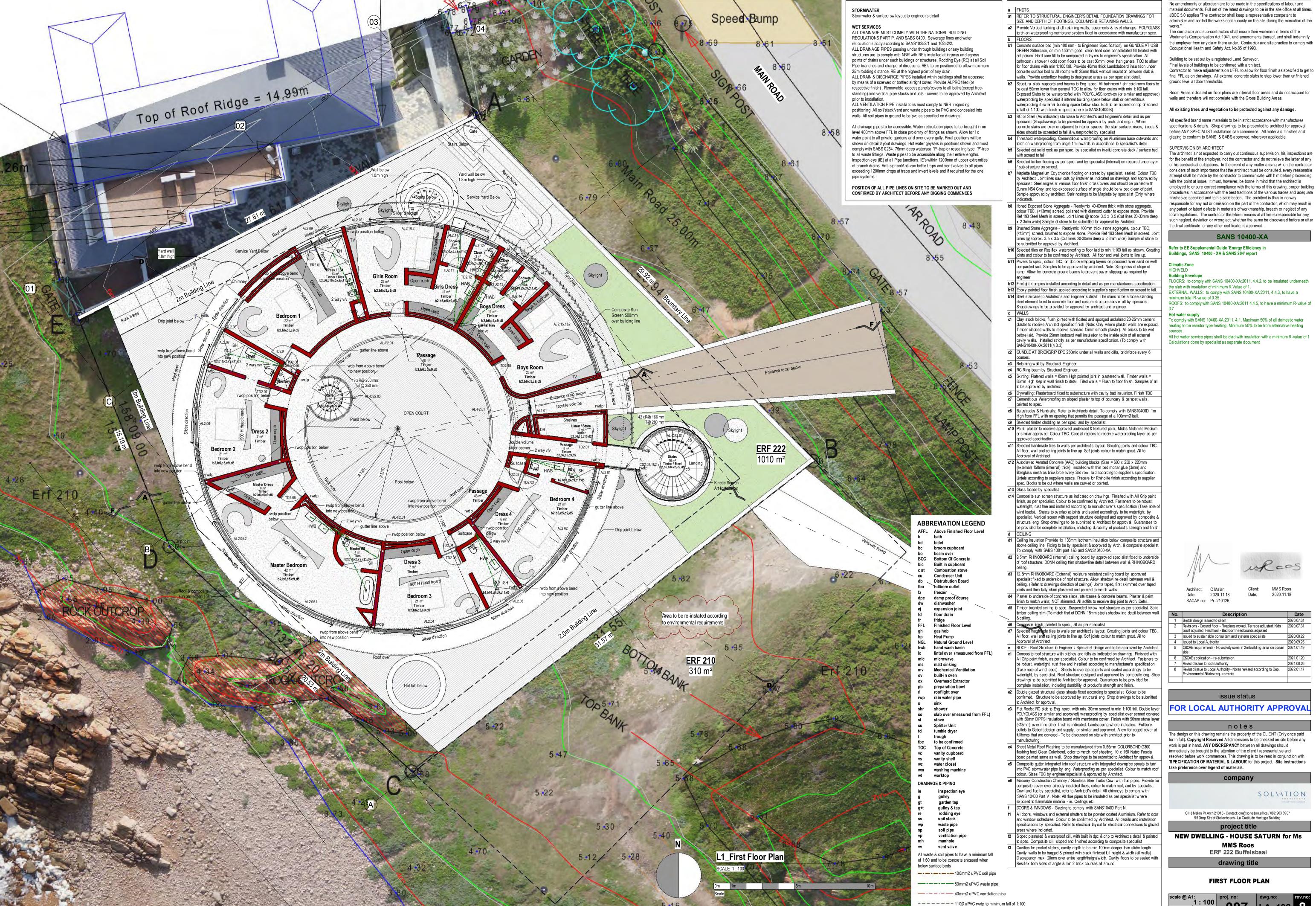
**NEW DWELLING - HOUSE SATURN for Ms** 

MMS Roos ERF 222 Buffelsbaai

## **GROUND FLOOR PLAN**

drawing title

scale @ A1: 1:100 date: 2020.06.01 cm proj. no: 007 dwg.no: LA\_101 9

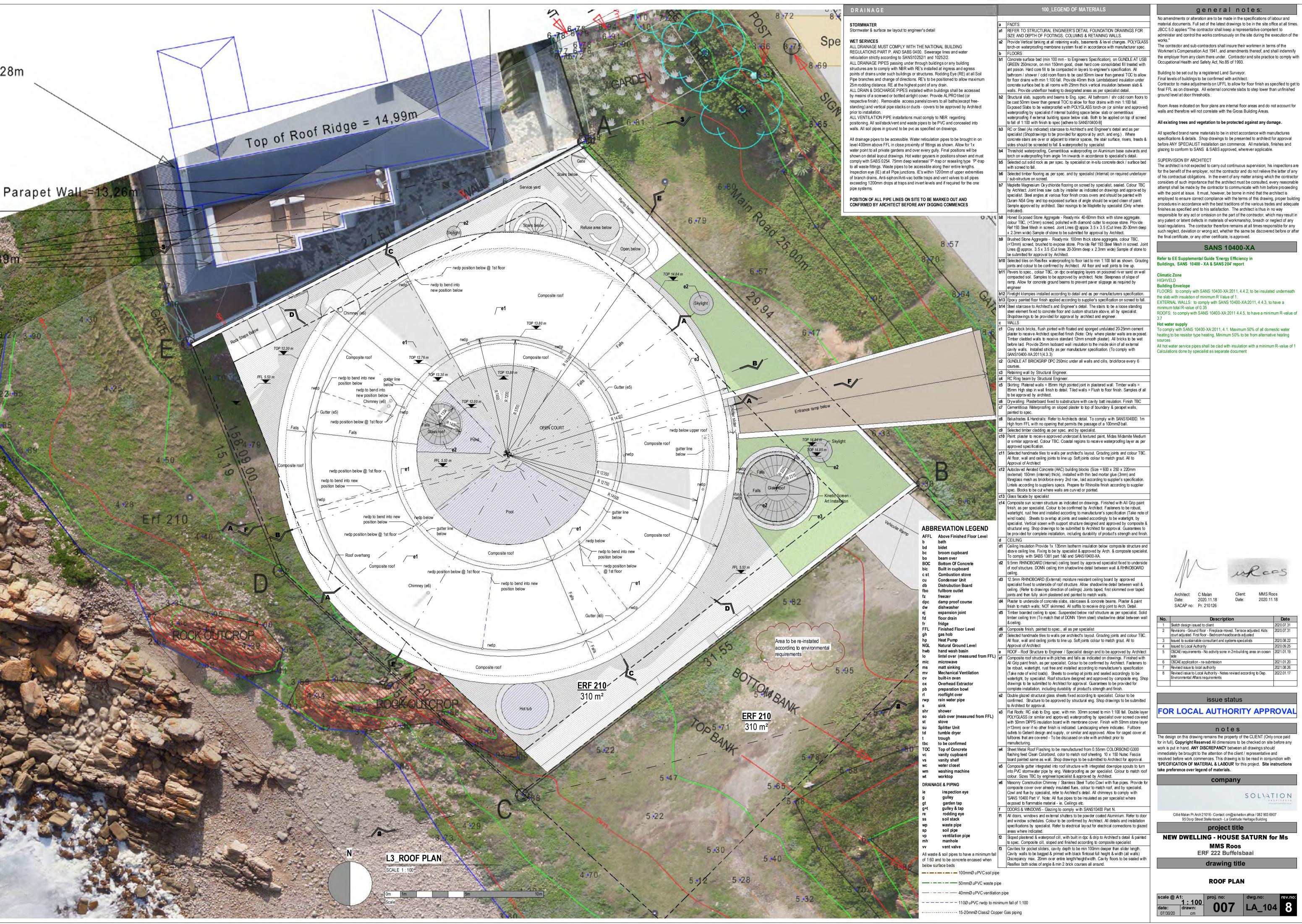


general notes:

100 LEGEND OF MATERIALS

DRAINAGE

- - - 15-20mmØ Class2 Copper Gas piping



DRAINAGE

STORMWATER

Stormwater & surface sw layout to engineer's detail

WET SERVICES

ALL DRAINAGE MUST COMPLY WITH THE NATIONAL BUILDING REGULATIONS PART P. AND SABS 0400. Sewerage lines and water reticulation strictly according to SANS10252/1 and 10252/2. ALL DRAINAGE PIPES passing under through buildings or any building structures are to comply with NBR with RE's installed at ingress and egress points of drains under such buildings or structures. Rodding Eye (RE) at all Soil Pipe branches and change of directions. RE's to be positioned to allow maximum 25m rodding distance. RE at the highest point of any drain. ALL DRAIN & DISCHARGE PIPES installed within buildings shall be accessed by means of a screwed or bottled airtight cover. Provide ALPRO tiled (or respective finish). Removable access panels/covers to all baths(except freestanding) and vertical pipe stacks or ducts - covers to be approved by Architect prior to installation.

ALL VENTILATION PIPE installations must comply to NBR regarding positioning. All soil/stack/vent and waste pipes to be PVC and concealed into walls. All soil pipes in ground to be pvc as specified on drawings.

All drainage pipes to be accessible. Water reticulation pipes to be brought in on level 400mm above FFL in close proximity of fittings as shown. Allow for 1x water point to all private gardens and over every gully. Final positions will be shown on detail layout drawings. Hot water geysers in positions shown and must comply with SABS 0254. 75mm deep waterseal 'P'-trap or resealing type 'P'-trap to all waste fittings. Waste pipes to be accessible along their entire lengths. Inspection eye (IE) at all Pipe junctions. IE's within 1200mm of upper extremities of branch drains. Anti-siphon/Anti-vac bottle traps and vent valves to all pipes exceeding 1200mm drops at traps and invert levels and if required for the one pipe systems.

POSITION OF ALL PIPE LINES ON SITE TO BE MARKED OUT AND CONFIRMED BY ARCHITECT BEFORE ANY DIGGING COMMENCES

#### ABBREVIATION LEGEND

AFFL Above Finished Floor Leve

bidet

broom cupboard

beam over **Bottom Of Concrete** 

Built in cupboard

Combustion stove Condenser Unit

Distrubution Board fullbore outlet

reezer damp proof course

dishwasher

expansion joint floor drain fridge

Finished Floor Leve gas hob

Heat Pump Natural Ground Level

hand wash basin lintel over (measured from FFL)

microwave matt sinking

Mechanical Ventilation built-in oven

Overhead Extractor preparation bow

rooflight over rain water pipe

shower

slab over (measured from FFL) stove

Splitter Unit tumble dryer

trough

to be confirmed **Top of Concrete** 

vanity cupboard vanity shelf

water closet washing machine

worktop

gulley & tap

rodding eye soil stack

waste pipe

soil pipe

ventilation pipe

vent valve

All waste & soil pipes to have a minimum fall of 1:60 and to be concrete encased when

below surface beds ----100mmØ uPVC soil pipe

---- 50 mmØ uPVC waste pipe

----- 40 mmØ uPVC ventilation pipe

---- 110Ø uPVC rwdp to minimum fall of 1:100

---- 15-20mmØ Class2 Copper Gas piping

100 LEGEND OF MATERIALS

a1 REFER TO STRUCTURAL ENGINEER'S DETAIL FOUNDATION DRAWINGS FOR

ant poison. Hard core fill to be compacted in layers to engineer's specification. All

bathroom / shower / cold room floors to be cast 50mm lower than general TOC to allow

for floor drains with min 1:100 fall. Provide 40mm thick Lambdaboard insulation under

concrete surface bed to all rooms with 25mm thick vertical insulation between slab &

walls. Provide underfloor heating to designated areas as per specialist detail.

be cast 50mm lower than general TOC to allow for floor drains with min 1:100 fall.

waterproofing if external building space below slab. Both to be applied on top of screed

concrete stairs are over or adjacent to interior spaces, the stair surface, risers, treads &

Threshold waterproofing, Cementitious waterproofing on Aluminium base outwards and

torch on waterproofing from angle 1m inwards in accordance to specialist's detail.

Selected cut solid rock as per spec. by specialist on in-situ concrete deck / surface bed

Selected timber flooring as per spec. and by specialist (Internal) on required underlayer

Maplette Magnesium Oxychloride flooring on screed by specialist, sealed. Colour TBC

specialist. Steel angles at various floor finish cross overs and should be painted with

Duram NS4 Grey and top expossed surface of angle should be wiped clean of paint.

Sample approved by architect. Stair nosings to be Maplette by specialist (Only where

8 Honed Exposed Stone Aggregate - Ready mix 40-60mm thick with stone aggregate,

Brushed Stone Aggregate - Ready mix 100mm thick stone aggregate, colour TBC,

joints and colour to be confirmed by Architect. All floor and wall joints to line up.

x 2.3mm wide) Sample of stone to be submitted for approval by Architect.

be submitted for approval by Architect.

SANS10400-XA:2011(4.3.3)

Retaining wall by Structural Engineer.

A RC Ring beam by Structural Engineer.

to be approved by architect.

approved specification.

Approval of Architect

c13 Glass facade by specialist

& ceiling.

Approval of Architect

to Architect for approval.

manufacturing.

areas where indicated.

colour TBC, (<13mm) screed, polished with diamond cutter to expose stone. Provide

Ref 193 Steel Mesh in screed. Joint Lines @ appox 3.5 x 3.5 (Cut lines 20-30mm deep

(<13mm) screed, brushed to expose stone. Provide Ref 193 Steel Mesh in screed. Joint

Lines @ approx. 3.5 x 3.5 (Cut lines 20-30mm deep x 2.3mm wide) Sample of stone to

10 Selected tiles on Resiflex waterproofing to floor laid to min 1:100 fall as shown. Grouting

1 Pavers to spec., colour TBC, on dpc overlapping layers on poisoned river sand on well

compacted soil. Samples to be approved by architect. Note: Steepness of slope of

ramp. Allow for concrete ground beams to prevent paver slippage as required by

p12 | Firetight klompies installed according to detail and as per manufacturers specification

o14 Steel staircase to Architect's and Engineer's detail. The stairs to be a loose standing

steel element fixed to concrete floor and custom structure above, all by specialist.

Shopdrawings to be provided for approval by architect and engineer.

13 Epoxy painted floor finish applied according to supplier's specification on screed to fall.

Clay stock bricks, flush jointed with floated and sponged undulated 20-25mm cement

plaster to receive Architect specified finish (Note: Only where plaster walls are exposed.

Timber cladded walls to receive standard 12mm smooth plaster). All bricks to be wet

before laid. Provide 25mm Isoboard wall insulation to the inside skin of all external

cavity walls. Installed strictly as per manufacturer specification. (To comply with

2 GUNDLE AT BRICKGRIP DPC 250mic under all walls and cills, brickforce every 6

5 Skirting: Platered walls = 85mm High pointed joint in plastered wall. Timber walls =

Drywalling: Plasterboard fixed to substructure with cavity batt insulation. Finish TBC

Balustrades & Handrails: Refer to Architects detail. To comply with SANS10400D. 1

c10 Paint: plaster to receive approved undercoat & textured paint, Midas Midamite Medium

or similar approved. Colour TBC. Coastal regions to receive waterproofing layer as per

1 Selected handmade tiles to walls per architect's layout. Grouting joints and colour TBC.

All floor, wall and ceiling joints to line up. Soft joints colour to match grout. All to

12 Autoclaved Aerated Concrete (AAC) building blocks (Size = 600 x 250 x 220mm

(external) 150mm (internal) thick), installed with thin bed mortar glue (3mm) and fibreglass mesh as brickforce every 2nd row, laid according to supplier's specification. Lintels according to suppliers specs. Prepare for Rhinolite finish according to supplier

c14 Composite sun screen structure as indicated on drawings. Finished with All Grip paint

finish, as per specialist. Colour to be confirmed by Architect. Fasteners to be robust,

wind loads). Sheets to overlap at joints and sealed accordingly to be watertight, by

specialist. Vertical sceen with support structure designed and approved by composite &

be provided for complete installation, including durability of product's strength and finish.

structural eng. Shop drawings to be submitted to Architect for approval. Guarantees to

Ceiling Insulation Provide 1x 135mm Isotherm insulation below composite structure and above ceiling line. Fixing to be by specialist & approved by Arch. & composite specialist.

d2 9.5mm RHINOBOARD (Internal) ceiling board by approved specialist fixed to underside of roof structure. DONN ceiling trim shadowline detail between wall & RHINOBOARD

ceiling. (Refer to drawings direction of ceilings) Joints taped, first skimmed over taped

Plaster to underside of concrete slabs, staircases & concrete beams. Plaster & paint

15 Timber boarded ceiling to spec. Suspended below roof structure as per specialist. Solid timber ceiling trim (To match that of DONN 15mm steel) shadowline detail between wall

37 Selected handmade tiles to walls per architect's layout. Grouting joints and colour TBC.

ROOF - Roof Structure to Engineer / Specialist design and to be approved by Architect

Composite roof structure with pitches and falls as indicated on drawings. Finished with

All Grip paint finish, as per specialist. Colour to be confirmed by Architect. Fasteners to

be robust, watertight, rust free and installed according to manufacturer's specification

watertight, by specialist. Roof structure designed and approved by composite eng. Shop

(Take note of wind loads). Sheets to overlap at joints and sealed accordingly to be

confirmed. Structure to be approved by structural eng. Shop drawings to be submitted

Flat Roofs: RC slab to Eng. spec. with min. 30mm screed to min 1:100 fall. Double layer POLYGLASS (or similar and approved) waterproofing by specialist over screed covered with 50mm DIPPS insulation board with membrane cover. Finish with 50mm stone layer (<13mm) over if no other finish is indicated. Landscaping where indicatec. Fullbore

outlets to Geberit design and supply, or similar and approved. Allow for caged cover at

drawings to be submitted to Architect for approval. Guarantees to be provided for

complete installation, including durability of product's strength and finish.

fullbores that are covered - To be discussed on site with architect prior to

colour. Sizes TBC by engineer/specialist & approved by Architect.

DOORS & WINDOWS - Glazing to comply with SANS10400 Part N.

Resiflex both sides of angle & min 2 brick courses all around.

ex posed to flammable material - ie. Ceilings etc.

4 Sheet Metal Roof Flashing to be manufactured from 0.55mm COLORBOND G300

flashing feed Clean Colorbond, color to match roof sheeting. 10 x 150 Nutec Fascia

board painted same as wall. Shop drawings to be submitted to Architect for approval.

Composite gutter integrated into roof structure with integrated downpipe spouts to turn

into PVC stormwater pipe by eng. Waterproofing as per specialist. Colour to match roof

Masonry Construction Chimney / Stainless Steel Turbo Cowl with flue pipes. Provide for composite cover over already insulated flues, colour to match roof, and by specialist.

All doors, windows and external shutters to be powder coated Aluminium. Refer to door

land window schedules. Colour to be confirmed by Architect. All details and installation

specifications by specialist. Refer to electrical layout for electrical connections to glazed

Sloped plastered & waterproof cill, with built in dpc & drip to Architect's detail & painted to spec. Composite cill, sloped and finished according to composite specialist

Cavities for pocket sliders, cavity depth to be min 100mm deeper than slider length.

Cavity walls to be bagged & primed with black flintcoat full height & width (all walls) Discrepancy max. 20mm over entire length/height/width. Cavity floors to be sealed with

Cowl and flue by specialist, refer to Architect's detail. All chimneys to comply with

'SANS 10400 Part V'. Note: All flue pipes to be insulated as per specialist where

2 Double glazed structural glass sheets fixed according to specialist. Colour to be

All floor, wall and ceiling joints to line up. Soft joints colour to match grout. All to

finish to match walls; NOT skimmed. All soffits to receive drip joint to Arch. Detail.

12.5mm RHINOBOARD (External) moisture resistant ceiling board by approved specialist fixed to underside of roof structure. Allow shadowline detail between wall &

watertight, rust free and installed according to manufacturer's specification (Take note of

Cementitious Waterproofing on sloped plaster to top of boundary & parapet walls,

High from FFL with no opening that permits the passage of a 100mmØ ball.

Selected timber cladding as per spec. and by specialist.

Ispec. Blocks to be cut where walls are curved or pointed.

To comply with SABS 1381 part 1&6 and SANS10400-XA.

joints and then fully skim plastered and painted to match walls.

d6 Composite finish, painted to spec., all as per specialist

85mm Hgh step in wall finish to detail. Tiled walls = Flush to floor finish. Samples of all

by Architect. Joint lines saw cuts by installer as indicated on drawings and approved by

waterproofing by specialist if internal building space below slab or cementitious

b3 RC or Steel (As indicated) staircase to Architect's and Engineer's detail and as per

specialist (Shopdrawings to be provided for approval by arch. and eng.) . Where

to fall of 1:100 with finish to spec [adhere to SANS10400-B]

sides should be screeded to fall & waterproofed by specialist

with screed to fall.

JBCC 5.0 applies "The contractor shall keep a representative competent to SIZE AND DEPTH OF FOOTINGS, COLUMNS & RETAINING WALLS. a2 Provide Vertical tanking at all retaining walls, basements & level changes. POLYGLASS

administer and control the works continuously on the site during the execution of the torch-on waterproofing membrane system fixed in accordance with manufacturer spec.

The contractor and sub-contractors shall insure their workmen in terms of the Workmen's Compensation Act 1941, and amendments thereof, and shall indemnify the employer from any claim there under. Contractor and site practice to comply with 1 Concrete surface bed (min 100 mm - to Engineers Specification), on GUNDLE AT USB Occupational Health and Safety Act, No.85 of 1993. GREEN 250micron, on min 150mm good, clean hard core consolidated fill treated with

general notes: No amendments or alteration are to be made in the specifications of labour and material documents. Full set of the latest drawings to be in the site office at all times.

Building to be set out by a registered Land Surveyor.

Final levels of buildings to be confirmed with architect. Contractor to make adjustments on UFFL to allow for floor finish as specified to get to final FFL as on drawings. All external concrete slabs to step lower than unfinished

ground level at door thresholds. Structural slab, supports and beams to Eng. spec. All bathroom / shr cold room floors to Room Areas indicated on floor plans are internal floor areas and do not account for Exposed Slabs to be waterproofed with POLYGLASS torch-on (or similar and approved) walls and therefore will not correlate with the Gross Building Areas.

#### All existing trees and vegetation to be protected against any damage.

All specified brand name materials to be in strict accordance with manufactures specifications & details. Shop drawings to be presented to architect for approval before ANY SPECIALIST installation can commence. All materials, finishes and glazing to conform to SANS & SABS approved, wherever applicable.

SUPERVISION BY ARCHITECT

The architect is not expected to carry out continuous supervision; his inspections are for the benefit of the employer, not the contractor and do not relieve the latter of any of his contractual obligations. In the event of any matter arising which the contractor considers of such importance that the architect must be consulted, every reasonable attempt shall be made by the contractor to communicate with him before proceeding with the point at issue. It must, however, be borne in mind that the architect is employed to ensure correct compliance with the terms of this drawing, proper building procedures in accordance with the best traditions of the various trades and adequate inishes as specified and to his satisfaction. The architect is thus in no way responsible for any act or omission on the part of the contractor, which may result in any patent or latent defects in materials of workmanship, breach or neglect of any ocal regulations. The contractor therefore remains at all times responsible for any

#### such neglect, deviation or wrong act, whether the same be discovered before or after the final certificate, or any other certificate, is approved.

Refer to EE Supplemental Guide 'Energy Efficiency in

Buildings, SANS 10400 - XA & SANS 204' report

Climatic Zone

HIGHVFI D **Building Envelope** 

ninimum total R-value of 0.3

LOORS: to comply with SANS 10400-XA:2011, 4.4.2, to be insulated underneath the slab with insulation of minimum R Value of 1. EXTERNAL WALLS: to comply with SANS 10400-XA:2011, 4.4.3, to have a

**SANS 10400-XA** 

ROOFS: to comply with SANS 10400-XA:2011 4.4.5, to have a minimum R-value of

To comply with SANS 10400-XA:2011, 4.1. Maximum 50% of all domestic water

neating to be resistor type heating, Minimum 50% to be from alternative heating

All hot water service pipes shall be clad with insulation with a minimum R-value of 1 Calculations done by specialist as separate document

MMS Roos 2020.11.18 Date: 2020.11.18 SACAP no: Pr. 210126

Issued to Local Authority Revised East elevation based on aesthetic committee comment Pool safety notes added following council's request OSCAE requirements - No activity sone in 2mbuilding area on ocean OSCAE application - re-submission Town Planning Submission 2021.08.26 Revised issue to local authorit Revised issue to Local Authority - Notes revised according to Dep. Environmental Affairs requirements

### issue status FOR LOCAL AUTHORITY APPROVAL

### notes

The design on this drawing remains the property of the CLIENT (Only once paid for in full). Copyright Reserved All dimensions to be checked on site before any work is put in hand. ANY DISCREPANCY between all drawings should immediately be brought to the attention of the client / representative and

#### take preference over legend of materials. company

resolved before work commences. This drawing is to be read in conjunction with

'SPECIFICATION OF MATERIAL & LABOUR' for this project. Site instructions

SOLVATION

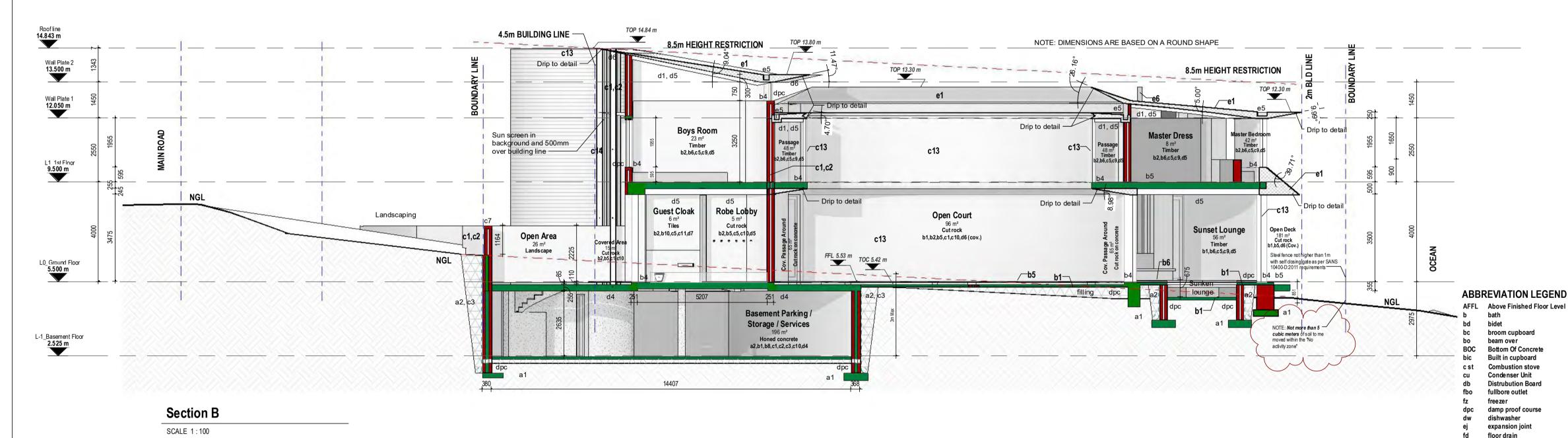
Cillié Malan Pr.Arch 21016 - Contact: cm@solvation.africa / 082 903 6907 95 Dorp Street Stellenbosch - La Gratitude Heritage Building

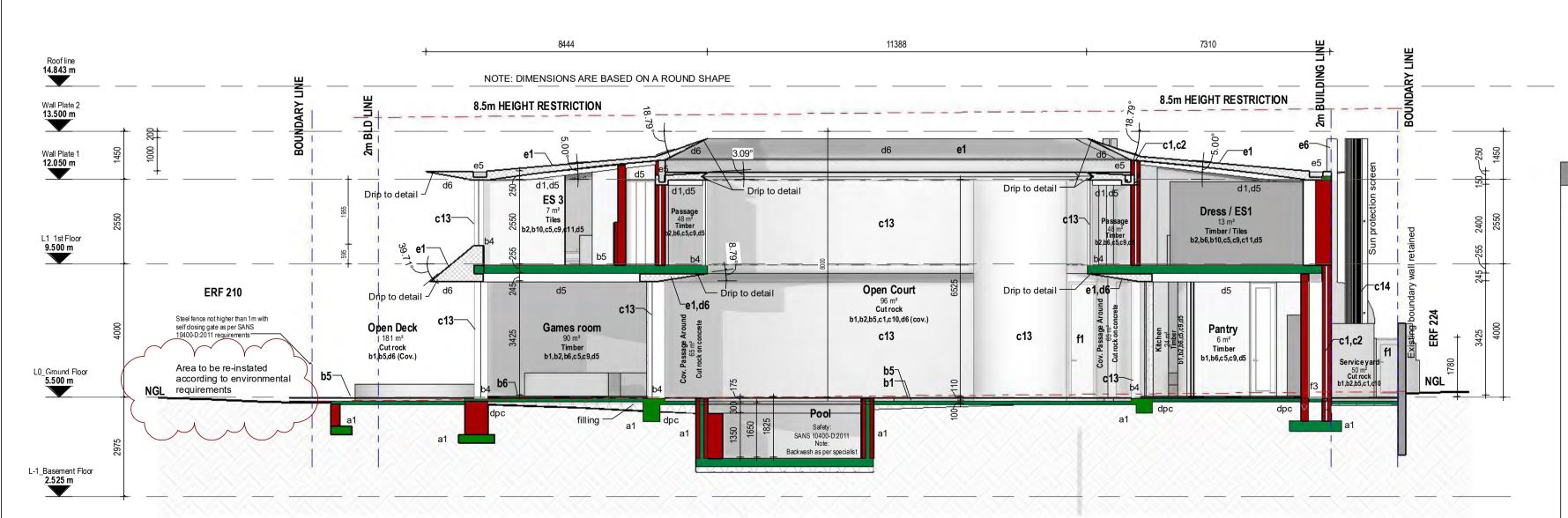
project title **NEW DWELLING - HOUSE SATURN for Ms** 

> MMS Roos ERF 222 Buffelsbaai

> > drawing title

**Elevations** 





Section C

STORMWATER

DRAINAGE

Stormwater & surface sw layout to engineer's detail

WET SERVICES ALL DRAINAGE MUST COMPLY WITH THE NATIONAL BUILDING

REGULATIONS PART P. AND SABS 0400. Sewerage lines and water reticulation strictly according to SANS10252/1 and 10252/2. ALL DRAINAGE PIPES passing under through buildings or any building structures are to comply with NBR with RE's installed at ingress and egress points of drains under such buildings or structures. Rodding Eye (RE) at all Soil Pipe branches and change of directions. RE's to be positioned to allow maximum 25m rodding distance. RE at the highest point of any drain. ALL DRAIN & DISCHARGE PIPES installed within buildings shall be accessed by means of a screwed or bottled airtight cover. Provide ALPRO tiled (or

respective finish). Removable access panels/covers to all baths(except freestanding) and vertical pipe stacks or ducts - covers to be approved by Architect prior to installation. ALL VENTILATION PIPE installations must comply to NBR regarding

positioning. All soil/stack/vent and waste pipes to be PVC and concealed into walls. All soil pipes in ground to be pvc as specified on drawings.

All drainage pipes to be accessible. Water reticulation pipes to be brought in on level 400mm above FFL in close proximity of fittings as shown. Allow for 1x water point to all private gardens and over every gully. Final positions will be shown on detail layout drawings. Hot water geysers in positions shown and must comply with SABS 0254. 75mm deep waterseal 'P'-trap or resealing type 'P'-trap to all waste fittings. Waste pipes to be accessible along their entire lengths. Inspection eye (IE) at all Pipe junctions. IE's within 1200mm of upper extremities of branch drains. Anti-siphon/Anti-vac bottle traps and vent valves to all pipes exceeding 1200mm drops at traps and invert levels and if required for the one

POSITION OF ALL PIPE LINES ON SITE TO BE MARKED OUT AND CONFIRMED BY ARCHITECT BEFORE ANY DIGGING COMMENCES 100 LEGEND OF MATERIALS

general notes: No amendments or alteration are to be made in the specifications of labour and material documents. Full set of the latest drawings to be in the site office at all times.

JBCC 5.0 applies "The contractor shall keep a representative competent to administer and control the works continuously on the site during the execution of the

The contractor and sub-contractors shall insure their workmen in terms of the

Contractor to make adjustments on UFFL to allow for floor finish as specified to get to

final FFL as on drawings. All external concrete slabs to step lower than unfinished

Room Areas indicated on floor plans are internal floor areas and do not account for

walls and therefore will not correlate with the Gross Building Areas.

All existing trees and vegetation to be protected against any damage.

glazing to conform to SANS & SABS approved, wherever applicable.

All specified brand name materials to be in strict accordance with manufactures

specifications & details. Shop drawings to be presented to architect for approval

before ANY SPECIALIST installation can commence. All materials, finishes and

The architect is not expected to carry out continuous supervision; his inspections are

for the benefit of the employer, not the contractor and do not relieve the latter of any

of his contractual obligations. In the event of any matter arising which the contractor

attempt shall be made by the contractor to communicate with him before proceeding

employed to ensure correct compliance with the terms of this drawing, proper building

procedures in accordance with the best traditions of the various trades and adequate

any patent or latent defects in materials of workmanship, breach or neglect of any

ocal regulations. The contractor therefore remains at all times responsible for any

such neglect, deviation or wrong act, whether the same be discovered before or after

**SANS 10400-XA** 

FLOORS: to comply with SANS 10400-XA:2011, 4.4.2, to be insulated underneath

To comply with SANS 10400-XA:2011, 4.1. Maximum 50% of all domestic water

neating to be resistor type heating, Minimum 50% to be from alternative heating

with the point at issue. It must, however, be borne in mind that the architect is

inishes as specified and to his satisfaction. The architect is thus in no way responsible for any act or omission on the part of the contractor, which may result in

the final certificate, or any other certificate, is approved.

Refer to EE Supplemental Guide 'Energy Efficiency in

Buildings, SANS 10400 - XA & SANS 204' report

the slab with insulation of minimum R Value of 1.

Climatic Zone

Building Envelope

minimum total R-value of 0.35

HIGHVFI D

onsiders of such importance that the architect must be consulted, every reasonable

Occupational Health and Safety Act, No.85 of 1993.

Building to be set out by a registered Land Surveyor.

ground level at door thresholds.

SUPERVISION BY ARCHITECT

Final levels of buildings to be confirmed with architect.

REFER TO STRUCTURAL ENGINEER'S DETAIL FOUNDATION DRAWINGS FOR

SIZE AND DEPTH OF FOOTINGS COLUMNS & RETAINING WALLS Provide Vertical tanking at all retaining walls, basements & level changes. POLYGLASS torch-on waterproofing membrane system fixed in accordance with manufacturer spec.

Workmen's Compensation Act 1941, and amendments thereof, and shall indemnify the employer from any claim there under. Contractor and site practice to comply with Concrete surface bed (min 100 mm - to Engineers Specification), on GUNDLE AT USE GREEN 250micron, on min 150mm good, clean hard core consolidated fill treated with ant poison. Hard core fill to be compacted in layers to engineer's specification. All bathroom / shower / cold room floors to be cast 50mm lower than general TOC to allow

for floor drains with min 1:100 fall. Provide 40mm thick Lambdaboard insulation under concrete surface bed to all rooms with 25mm thick vertical insulation between slab & walls. Provide underfloor heating to designated areas as per specialist detail. Structural slab, supports and beams to Eng. spec. All bathroom / shr cold room floors t be cast 50mm lower than general TOC to allow for floor drains with min 1:100 fall. Exposed Slabs to be waterproofed with POLYGLASS torch-on (or similar and approved) waterproofing by specialist if internal building space below slab or cementitious

waterproofing if external building space below slab. Both to be applied on top of screed to fall of 1:100 with finish to spec [adhere to SANS10400-B] 3 RC or Steel (As indicated) staircase to Architect's and Engineer's detail and as per specialist (Shopdrawings to be provided for approval by arch. and eng.). Where

concrete stairs are over or adiacent to interior spaces, the stair surface, risers, treads sides should be screeded to fall & waterproofed by specialist Threshold waterproofing, Cementitious waterproofing on Aluminium base outwards and

torch on waterproofing from angle 1m inwards in accordance to specialist's detail. Selected cut solid rock as per spec. by specialist on in-situ concrete deck / surface bed

with screed to fall. Selected timber flooring as per spec. and by specialist (Internal) on required underlayer

Maplette Magnesium Oxychloride flooring on screed by specialist, sealed. Colour TBC by Architect. Joint lines saw cuts by installer as indicated on drawings and approved by specialist. Steel angles at various floor finish cross overs and should be painted with Duram NS4 Grey and top expossed surface of angle should be wiped clean of paint. Sample approved by architect. Stair nosings to be Maplette by specialist (Only where

8 Honed Exposed Stone Aggregate - Ready mix 40-60mm thick with stone aggregate, colour TBC, (<13mm) screed, polished with diamond cutter to expose stone. Provide Ref 193 Steel Mesh in screed. Joint Lines @ appox 3.5 x 3.5 (Cut lines 20-30mm deep x 2.3mm wide) Sample of stone to be submitted for approval by Architect.

(<13mm) screed, brushed to expose stone. Provide Ref 193 Steel Mesh in screed. Join Lines @ approx. 3.5 x 3.5 (Cut lines 20-30mm deep x 2.3mm wide) Sample of stone to be submitted for approval by Architect.

Brushed Stone Aggregate - Ready mix 100mm thick stone aggregate, colour TBC,

10 Selected tiles on Resiflex waterproofing to floor laid to min 1:100 fall as shown. Grouting joints and colour to be confirmed by Architect. All floor and wall joints to line up. Pavers to spec., colour TBC, on dpc overlapping layers on poisoned river sand on well compacted soil. Samples to be approved by architect. Note: Steepness of slope of

ramp. Allow for concrete ground beams to prevent paver slippage as required by 12 Firetight klompies installed according to detail and as per manufacturers specification

13 Epoxy painted floor finish applied according to supplier's specification on screed to fall. EXTERNAL WALLS: to comply with SANS 10400-XA:2011, 4.4.3, to have a o14 Steel staircase to Architect's and Engineer's detail. The stairs to be a loose standing steel element fixed to concrete floor and custom structure above, all by specialist. ROOFS: to comply with SANS 10400-XA:2011 4.4.5, to have a minimum R-value of Shopdrawings to be provided for approval by architect and engineer.

Clay stock bricks, flush jointed with floated and sponged undulated 20-25mm cement plaster to receive Architect specified finish (Note: Only where plaster walls are exposed. Timber cladded walls to receive standard 12mm smooth plaster). All bricks to be wet before laid. Provide 25mm Isoboard wall insulation to the inside skin of all external All hot water service pipes shall be clad with insulation with a minimum R-value of 1 cavity walls. Installed strictly as per manufacturer specification. (To comply with Calculations done by specialist as separate document SANS10400-XA:2011(4.3.3)

2 GUNDLE AT BRICKGRIP DPC 250mic under all walls and cills, brickforce every 6

Retaining wall by Structural Engineer.

4 RC Ring beam by Structural Engineer.

Skirting: Platered walls = 85mm High pointed joint in plastered wall. Timber walls = 85mm Hgh step in wall finish to detail. Tiled walls = Flush to floor finish. Samples of all to be approved by architect. Drywalling: Plasterboard fixed to substructure with cavity batt insulation. Finish TBC

Cementitious Waterproofing on sloped plaster to top of boundary & parapet walls, Balustrades & Handrails: Refer to Architects detail. To comply with SANS10400D. 1

High from FFL with no opening that permits the passage of a 100mmØ ball. Selected timber cladding as per spec. and by specialist. c10 Paint: plaster to receive approved undercoat & textured paint, Midas Midamite Medium

approved specification. 1 Selected handmade tiles to walls per architect's layout. Grouting joints and colour TBC. All floor, wall and ceiling joints to line up. Soft joints colour to match grout. All to

or similar approved. Colour TBC. Coastal regions to receive waterproofing layer as per

Approval of Architect 12 Autoclaved Aerated Concrete (AAC) building blocks (Size = 600 x 250 x 220mm (external) 150mm (internal) thick), installed with thin bed mortar glue (3mm) and fibreglass mesh as brickforce every 2nd row, laid according to supplier's specification.

Lintels according to suppliers specs. Prepare for Rhinolite finish according to supplier spec. Blocks to be cut where walls are curved or pointed. 13 Glass facade by specialist

c14 Composite sun screen structure as indicated on drawings. Finished with All Grip paint finish, as per specialist. Colour to be confirmed by Architect. Fasteners to be robust, watertight, rust free and installed according to manufacturer's specification (Take note of wind loads). Sheets to overlap at joints and sealed accordingly to be watertight, by specialist. Vertical sceen with support structure designed and approved by composite & structural eng. Shop drawings to be submitted to Architect for approval. Guarantees to be provided for complete installation, including durability of product's strength and finish.

11 Ceiling Insulation Provide 1x 135mm Isotherm insulation below composite structure and above ceiling line. Fixing to be by specialist & approved by Arch. & composite specialist. To comply with SABS 1381 part 1&6 and SANS10400-XA.

9.5mm RHINOBOARD (Internal) ceiling board by approved specialist fixed to underside of roof structure. DONN ceiling trim shadowline detail between wall & RHINOBOARD

12.5mm RHINOBOARD (External) moisture resistant ceiling board by approved specialist fixed to underside of roof structure. Allow shadowline detail between wall & ceiling. (Refer to drawings direction of ceilings) Joints taped, first skimmed over taped joints and then fully skim plastered and painted to match walls.

4 Plaster to underside of concrete slabs, staircases & concrete beams. Plaster & paint finish to match walls; NOT skimmed. All soffits to receive drip joint to Arch. Detail. ITimber boarded ceiling to spec. Suspended below roof structure as per specialist. Solid timber ceiling trim (To match that of DONN 15mm steel) shadowline detail between wall

d6 Composite finish, painted to spec., all as per specialist 17 Selected handmade tiles to walls per architect's layout. Grouting joints and colour TBC All floor, wall and ceiling joints to line up. Soft joints colour to match grout. All to Approval of Architect

fridge

Heat Pump

microwave

matt sinking

built-in oven

Overhead Extractor

preparation bowl

rooflight over

shower

Splitter Unit

tumble dryer

to be confirmed

vanity cupboard

washing machine

inspection eye

garden tap

gulley & tap

soil stack

waste pipe

soil pipe

vent valve

below surface beds

ventilation pipe

All waste & soil pipes to have a minimum fall

-----100mmØ uPVC soil pipe

— - - - - 50 mmØ uPVC waste pipe

— - - - - - 40mmØ uPVC ventilation pipe

---- 110Ø uPVC rwdp to minimum fall of 1:100

----- 15-20mmØ Class2 Copper Gas piping

of 1:60 and to be concrete encased when

gulley

Top of Concrete

vanity shelf

watercloset

worktop

DRAINAGE & PIPING

Finished Floor Leve

Natural Ground Level

Mechanical Ventilation

lintel over (measured from FFL)

slab over (measured from FFL)

hand wash basin

ROOF - Roof Structure to Engineer / Specialist design and to be approved by Architect Composite roof structure with pitches and falls as indicated on drawings. Finished with All Grip paint finish, as per specialist. Colour to be confirmed by Architect. Fasteners to be robust, watertight, rust free and installed according to manufacturer's specification (Take note of wind loads). Sheets to overlap at joints and sealed accordingly to be watertight, by specialist. Roof structure designed and approved by composite eng. Shop drawings to be submitted to Architect for approval. Guarantees to be provided for

complete installation, including durability of product's strength and finish. 2 Double glazed structural glass sheets fixed according to specialist. Colour to be confirmed. Structure to be approved by structural eng. Shop drawings to be submitted to Architect for approval.

Flat Roofs: RC slab to Eng. spec. with min. 30mm screed to min 1:100 fall. Double layer POLYGLASS (or similar and approved) waterproofing by specialist over screed covered with 50mm DIPPS insulation board with membrane cover. Finish with 50mm stone layer (<13mm) over if no other finish is indicated. Landscaping where indicatec. Fullbore outlets to Geberit design and supply, or similar and approved. Allow for caged cover at fullbores that are covered - To be discussed on site with architect prior to manufacturing.

4 | Sheet Metal Roof Flashing to be manufactured from 0.55mm COLORBOND G300 flashing feed Clean Colorbond, color to match roof sheeting. 10 x 150 Nutec Fascia board painted same as wall. Shop drawings to be submitted to Architect for approval. Composite gutter integrated into roof structure with integrated downpipe spouts to turn into PVC stormwater pipe by eng. Waterproofing as per specialist. Colour to match roof colour. Sizes TBC by engineer/specialist & approved by Architect.

Masonry Construction Chimney / Stainless Steel Turbo Cowl with flue pipes. Provide for composite cover over already insulated flues, colour to match roof, and by specialist. Cowl and flue by specialist, refer to Architect's detail. All chimneys to comply with 'SANS 10400 Part V. Note: All flue pipes to be insulated as per specialist where exposed to flammable material - ie. Ceilings etc.

DOORS & WINDOWS - Glazing to comply with SANS10400 Part N. All doors, windows and external shutters to be powder coated Aluminium. Refer to door land window schedules. Colour to be confirmed by Architect. All details and installation specifications by specialist. Refer to electrical layout for electrical connections to glazed lareas where indicated.

Sloped plastered & waterproof cill, with built in dpc & drip to Architect's detail & painted to spec. Composite cill, sloped and finished according to composite specialist Cavities for pocket sliders, cavity depth to be min 100mm deeper than slider length. Cavity walls to be bagged & primed with black flintcoat full height & width (all walls) Discrepancy max. 20mm over entire length/height/width. Cavity floors to be sealed with

Resiflex both sides of angle & min 2 brick courses all around.

Date:

Issued to Local Authority

Town Planning Submission

Revised issue to local authority

2020.11.18

SACAP no: Pr. 210126

**SECTIONS** 

Issued to sustainable consultant and systems specialist Revised East elevation based on aesthetic committee comment Pool safety notes added following council's request OSCAE requirements - No activity sone in 2mbuilding area on ocean OSCAE application - re-submissio 2021.08.26

Date:

MMS Roos

2020.11.18

issue status

FOR LOCAL AUTHORITY APPROVAL

Revised issue to Local Authority - Notes revised according to Dep.

notes The design on this drawing remains the property of the CLIENT (Only once paid for in full). Copyright Reserved All dimensions to be checked on site before any work is put in hand. ANY DISCREPANCY between all drawings should immediately be brought to the attention of the client / representative and resolved before work commences. This drawing is to be read in conjunction with

'SPECIFICATION OF MATERIAL & LABOUR' for this project. Site instructions take preference over legend of materials.

> company SOLVATION

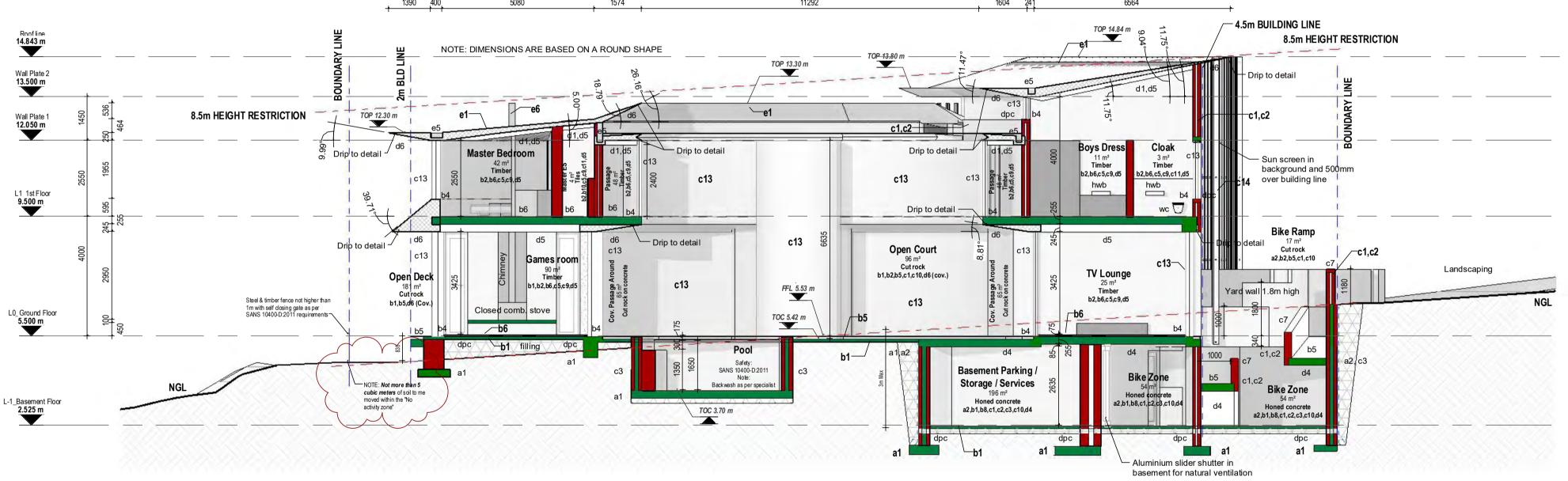
Cillié Malan Pr.Arch 21016 - Contact: cm@solvation.africa / 082 903 6907 95 Dorp Street Stellenbosch - La Gratitude Heritage Building

project title **NEW DWELLING - HOUSE SATURN for Ms** 

MMS Roos ERF 222 Buffelsbaai

drawing title

Section D SCALE 1:100



Section E SCALE 1:100

Roof line 14.843 m 8.5m HEIGHT RESTRICTION NOTE: DIMENSIONS ARE BASED ON A ROUND SHAPE Wall Plate 2 13.500 m Drip to detail 8.5m HEIGHT RESTRICTION 5539 Wall Plate 1 12.050 m Drip to detail c13 ALL DRAINAGE MUST COMPLY WITH THE NATIONAL BUILDING Drip to detail -ALL DRAINAGE PIPES passing under through buildings or any building Open Dec points of drains under such buildings or structures. Rodding Eye (RE) at all Soil Open Court Open Entrance Ramp Cov. Ramp 96 m² / b2,b5 filling b1,b5,d6 (Cov.) Cut rock on concrete Cut rock on concrete ALL DRAIN & DISCHARGE PIPES installed within buildings shall be accessed b1,b2,b5,c1,c10,d6(cov.) Steel & timber fence not higher by means of a screwed or bottled airtight cover. Provide ALPRO tiled (or L0 Ground Floor than 1m with self closing gate a per SANS 10400 - D:2011 respective finish). Removable access panels/covers to all baths(except free-- SW dhannel with grating over to detail -Basement Parking / level 400mm above FFL in close proximity of fittings as shown. Allow for 1x moved within the "No water point to all private gardens and over every gully. Final positions will be activity zone" to all waste fittings. Waste pipes to be accessible along their entire lengths. of branch drains. Anti-siphon/Anti-vac bottle traps and vent valves to all pipes exceeding 1200mm drops at traps and invert levels and if required for the one Section F

SCALE 1:100

- 1 REFER TO STRUCTURAL ENGINEER'S DETAIL FOUNDATION DRAWINGS FOR
- SIZE AND DEPTH OF FOOTINGS COLUMNS & RETAINING WALLS Provide Vertical tanking at all retaining walls, basements & level changes. POLYGLASS torch-on waterproofing membrane system fixed in accordance with manufacturer spec.

100 LEGEND OF MATERIALS

- Concrete surface bed (min 100 mm to Engineers Specification), on GUNDLE AT USB GREEN 250micron, on min 150mm good, clean hard core consolidated fill treated with ant poison. Hard core fill to be compacted in layers to engineer's specification. All bathroom / shower / cold room floors to be cast 50mm lower than general TOC to allow for floor drains with min 1:100 fall. Provide 40mm thick Lambdaboard insulation under concrete surface bed to all rooms with 25mm thick vertical insulation between slab &
- walls. Provide underfloor heating to designated areas as per specialist detail. Structural slab, supports and beams to Eng. spec. All bathroom / shr cold room floors t be cast 50mm lower than general TOC to allow for floor drains with min 1:100 fall. Exposed Slabs to be waterproofed with POLYGLASS torch-on (or similar and approved waterproofing by specialist if internal building space below slab or cementitious waterproofing if external building space below slab. Both to be applied on top of screed
- to fall of 1:100 with finish to spec [adhere to SANS10400-B] 3 RC or Steel (As indicated) staircase to Architect's and Engineer's detail and as per specialist (Shopdrawings to be provided for approval by arch. and eng.). Where concrete stairs are over or adjacent to interior spaces, the stair surface, risers, treads & sides should be screeded to fall & waterproofed by specialist
- Threshold waterproofing, Cementitious waterproofing on Aluminium base outwards and torch on waterproofing from angle 1m inwards in accordance to specialist's detail.
- 5 Selected cut solid rock as per spec. by specialist on in-situ concrete deck / surface bed with screed to fall. Selected timber flooring as per spec. and by specialist (Internal) on required underlayer
- / sub-structure on screed Maplette Magnesium Oxychloride flooring on screed by specialist, sealed. Colour TBC by Architect. Joint lines saw cuts by installer as indicated on drawings and approved by specialist. Steel angles at various floor finish cross overs and should be painted with Duram NS4 Grey and top expossed surface of angle should be wiped clean of paint. Sample approved by architect. Stair nosings to be Maplette by specialist (Only where
- Honed Exposed Stone Aggregate Ready mix 40-60mm thick with stone aggregate, colour TBC, (<13mm) screed, polished with diamond cutter to expose stone. Provide Ref 193 Steel Mesh in screed. Joint Lines @ appox 3.5 x 3.5 (Cut lines 20-30mm dee x 2.3mm wide) Sample of stone to be submitted for approval by Architect.
- Brushed Stone Aggregate Ready mix 100mm thick stone aggregate, colour TBC, (<13mm) screed, brushed to expose stone. Provide Ref 193 Steel Mesh in screed. Join Lines @ approx. 3.5 x 3.5 (Cut lines 20-30mm deep x 2.3mm wide) Sample of stone to be submitted for approval by Architect.
- o10 Selected tiles on Resiflex waterproofing to floor laid to min 1:100 fall as shown. Grouting joints and colour to be confirmed by Architect. All floor and wall joints to line up. 11 Pavers to spec., colour TBC, on dpc overlapping layers on poisoned river sand on well compacted soil. Samples to be approved by architect. Note: Steepness of slope of ramp. Allow for concrete ground beams to prevent paver slippage as required by
- 12 Firetight klompies installed according to detail and as per manufacturers specification 13 Epoxy painted floor finish applied according to supplier's specification on screed to fall. o14 Steel staircase to Architect's and Engineer's detail. The stairs to be a loose standing steel element fixed to concrete floor and custom structure above, all by specialist.

Shopdrawings to be provided for approval by architect and engineer.

- Clay stock bricks, flush jointed with floated and sponged undulated 20-25mm cement plaster to receive Architect specified finish (Note: Only where plaster walls are exposed. Timber cladded walls to receive standard 12mm smooth plaster). All bricks to be wet before laid. Provide 25mm Isoboard wall insulation to the inside skin of all external cavity walls. Installed strictly as per manufacturer specification. (To comply with
- SANS10400-XA:2011(4.3.3) 2 GUNDLE AT BRICKGRIP DPC 250mic under all walls and cills, brickforce every 6
- Retaining wall by Structural Engineer.
- 4 RC Ring beam by Structural Engineer.
- Skirting: Platered walls = 85mm Hgh pointed joint in plastered wall. Timber walls = 85mm Hgh step in wall finish to detail. Tiled walls = Flush to floor finish. Samples of all to be approved by architect.
- Drywalling: Plasterboard fixed to substructure with cavity batt insulation. Finish TBC Cementitious Waterproofing on sloped plaster to top of boundary & parapet walls, painted to spec. Balustrades & Handrails: Refer to Architects detail. To comply with SANS10400D. 1m
- High from FFL with no opening that permits the passage of a 100mmØ ball. Selected timber cladding as per spec. and by specialist.
- c10 Paint: plaster to receive approved undercoat & textured paint, Midas Midamite Medium or similar approved. Colour TBC. Coastal regions to receive waterproofing layer as per approved specification.
- Selected handmade tiles to walls per architect's layout. Grouting joints and colour TBC All floor, wall and ceiling joints to line up. Soft joints colour to match grout. All to Approval of Architect
- 212 Autoclaved Aerated Concrete (AAC) building blocks (Size = 600 x 250 x 220mm (external) 150mm (internal) thick), installed with thin bed mortar glue (3mm) and fibreglass mesh as brickforce every 2nd row, laid according to supplier's specification. Lintels according to suppliers specs. Prepare for Rhinolite finish according to supplier
- spec. Blocks to be cut where walls are curved or pointed. 13 Glass facade by specialist c14 Composite sun screen structure as indicated on drawings. Finished with All Grip paint finish, as per specialist. Colour to be confirmed by Architect. Fasteners to be robust, watertight, rust free and installed according to manufacturer's specification (Take note of wind loads). Sheets to overlap at joints and sealed accordingly to be watertight, by specialist. Vertical sceen with support structure designed and approved by composite &

structural eng. Shop drawings to be submitted to Architect for approval. Guarantees to

- be provided for complete installation, including durability of product's strength and finish. CEILING Ceiling Insulation Provide 1x 135mm Isotherm insulation below composite structure and above ceiling line. Fixing to be by specialist & approved by Arch. & composite specialist.
- To comply with SABS 1381 part 1&6 and SANS10400-XA. 2 9.5mm RHINOBOARD (Internal) ceiling board by approved specialist fixed to underside of roof structure. DONN ceiling trim shadowline detail between wall & RHINOBOARD
- 12.5mm RHINOBOARD (External) moisture resistant ceiling board by approved specialist fixed to underside of roof structure. Allow shadowline detail between wall & ceiling. (Refer to drawings direction of ceilings) Joints taped, first skimmed over taped joints and then fully skim plastered and painted to match walls.
- Plaster to underside of concrete slabs, staircases & concrete beams. Plaster & paint finish to match walls; NOT skimmed. All soffits to receive drip joint to Arch. Detail. 5 Timber boarded ceiling to spec. Suspended below roof structure as per specialist. Solid timber ceiling trim (To match that of DONN 15mm steel) shadowline detail between wall & ceiling.
- d6 Composite finish, painted to spec., all as per specialist 17 Selected handmade tiles to walls per architect's layout. Grouting joints and colour TBC All floor, wall and ceiling joints to line up. Soft joints colour to match grout. All to Approval of Architect
- ROOF Roof Structure to Engineer / Specialist design and to be approved by Architect Composite roof structure with pitches and falls as indicated on drawings. Finished with All Grip paint finish, as per specialist. Colour to be confirmed by Architect. Fasteners to be robust, watertight, rust free and installed according to manufacturer's specification (Take note of wind loads). Sheets to overlap at joints and sealed accordingly to be watertight, by specialist. Roof structure designed and approved by composite eng. Shop drawings to be submitted to Architect for approval. Guarantees to be provided for
- complete installation, including durability of product's strength and finish. 2 Double glazed structural glass sheets fixed according to specialist. Colour to be confirmed. Structure to be approved by structural eng. Shop drawings to be submitted to Architect for approval.
- Flat Roofs: RC slab to Eng. spec. with min. 30mm screed to min 1:100 fall. Double layer POLYGLASS (or similar and approved) waterproofing by specialist over screed covered with 50mm DIPPS insulation board with membrane cover. Finish with 50mm stone layer (<13mm) over if no other finish is indicated. Landscaping where indicatec. Fullbore outlets to Geberit design and supply, or similar and approved. Allow for caged cover at fullbores that are covered - To be discussed on site with architect prior to
- Sheet Metal Roof Flashing to be manufactured from 0.55mm COLORBOND G300 flashing feed Clean Colorbond, color to match roof sheeting. 10 x 150 Nutec Fascia board painted same as wall. Shop drawings to be submitted to Architect for approval. Composite gutter integrated into roof structure with integrated downpipe spouts to turn into PVC stormwater pipe by eng. Waterproofing as per specialist. Colour to match roof colour. Sizes TBC by engineer/specialist & approved by Architect.
- Masonry Construction Chimney / Stainless Steel Turbo Cowl with flue pipes. Provide for composite cover over already insulated flues, colour to match roof, and by specialist. Cowl and flue by specialist, refer to Architect's detail. All chimneys to comply with 'SANS 10400 Part V. Note: All flue pipes to be insulated as per specialist where
- ex posed to flammable material ie. Ceilings etc. DOORS & WINDOWS - Glazing to comply with SANS10400 Part N.
- All doors, windows and external shutters to be powder coated Aluminium. Refer to door and window schedules. Colour to be confirmed by Architect. All details and installation specifications by specialist. Refer to electrical layout for electrical connections to glazed areas where indicated.
- Sloped plastered & waterproof cill, with built in dpc & drip to Architect's detail & painted to spec. Composite cill, sloped and finished according to composite specialist
- Cavities for pocket sliders, cavity depth to be min 100mm deeper than slider length. Cavity walls to be bagged & primed with black flintcoat full height & width (all walls) Discrepancy max. 20mm over entire length/height/width. Cavity floors to be sealed with Resiflex both sides of angle & min 2 brick courses all around.

50 mmØ uPVC waste pipe

----- 100mmØ uPVC soil pipe

All waste & soil pipes to have a minimum fall

of 1:60 and to be concrete encased when

**ABBREVIATION LEGEND** 

AFFL Above Finished Floor Level

broom cupboard

Bottom Of Concrete

Built in cupboard

Combustion stove

Distrubution Board

damp proof course

Finished Floor Leve

Natural Ground Level

Mechanical Ventilation

Overhead Extractor

preparation bowl

rooflight over

rain water pipe

sink

DRAINAGE

prior to installation.

Stormwater & surface sw layout to engineer's detail

REGULATIONS PART P. AND SABS 0400. Sewerage lines and water

structures are to comply with NBR with RE's installed at ingress and egress

Pipe branches and change of directions. RE's to be positioned to allow maximum

standing) and vertical pipe stacks or ducts - covers to be approved by Architect

positioning. All soil/stack/vent and waste pipes to be PVC and concealed into

All drainage pipes to be accessible. Water reticulation pipes to be brought in on

shown on detail layout drawings. Hot water geysers in positions shown and must

comply with SABS 0254. 75mm deep waterseal 'P'-trap or resealing type 'P'-trap

nspection eye (IE) at all Pipe junctions. IE's within 1200mm of upper extremities

POSITION OF ALL PIPE LINES ON SITE TO BE MARKED OUT AND CONFIRMED BY ARCHITECT BEFORE ANY DIGGING COMMENCES

ALL VENTILATION PIPE installations must comply to NBR regarding

walls. All soil pipes in ground to be pvc as specified on drawings.

reticulation strictly according to SANS10252/1 and 10252/2.

25m rodding distance. RE at the highest point of any drain.

shower

Splitter Unit

tumble drver

to be confirmed

Top of Concrete

vanity cupboard

vanity shelf

water closet

inspection eye

gulley & tap

rodding eye

ventilation pipe

s oil stack

waste pipe

soil pipe

manhole

vent valve

below surface beds

wm washing machine

worktop

DRAINAGE & PIPING

trough

TOC

wp

lintel over (measured from FFL)

slab over (measured from FFL)

hand wash basin

Condenser Unit

fullbore outlet

dishwasher

floor drain

Heat Pump

microwave

matt sinking

built-in oven

fridge

freezer

beam over

bath

bidet

BOC

40 mmØ u PVC ventilation pipe 

- 15-20mmØ Class2 Copper Gas piping

general notes: No amendments or alteration are to be made in the specifications of labour and

material documents. Full set of the latest drawings to be in the site office at all times. JBCC 5.0 applies "The contractor shall keep a representative competent to administer and control the works continuously on the site during the execution of the

The contractor and sub-contractors shall insure their workmen in terms of the Workmen's Compensation Act 1941, and amendments thereof, and shall indemnify the employer from any claim there under. Contractor and site practice to comply with Occupational Health and Safety Act, No.85 of 1993.

Building to be set out by a registered Land Surveyor.

Final levels of buildings to be confirmed with architect.

Contractor to make adjustments on UFFL to allow for floor finish as specified to get to final FFL as on drawings. All external concrete slabs to step lower than unfinished ground level at door thresholds.

Room Areas indicated on floor plans are internal floor areas and do not account for walls and therefore will not correlate with the Gross Building Areas.

#### All existing trees and vegetation to be protected against any damage.

All specified brand name materials to be in strict accordance with manufactures specifications & details. Shop drawings to be presented to architect for approval before ANY SPECIALIST installation can commence. All materials, finishes and glazing to conform to SANS & SABS approved, wherever applicable.

#### SUPERVISION BY ARCHITECT

The architect is not expected to carry out continuous supervision; his inspections are for the benefit of the employer, not the contractor and do not relieve the latter of any of his contractual obligations. In the event of any matter arising which the contractor considers of such importance that the architect must be consulted, every reasonable attempt shall be made by the contractor to communicate with him before proceeding with the point at issue. It must, however, be borne in mind that the architect is employed to ensure correct compliance with the terms of this drawing, proper building procedures in accordance with the best traditions of the various trades and adequate inishes as specified and to his satisfaction. The architect is thus in no way responsible for any act or omission on the part of the contractor, which may result in any patent or latent defects in materials of workmanship, breach or neglect of any ocal regulations. The contractor therefore remains at all times responsible for any such neglect, deviation or wrong act, whether the same be discovered before or after

#### **SANS 10400-XA**

Refer to EE Supplemental Guide 'Energy Efficiency in Buildings, SANS 10400 - XA & SANS 204' report

the final certificate, or any other certificate, is approved.

### Climatic Zone

HIGHVFI D

**Building Envelope** LOORS: to comply with SANS 10400-XA:2011, 4.4.2, to be insulated underneath the slab with insulation of minimum R Value of 1. EXTERNAL WALLS: to comply with SANS 10400-XA:2011, 4.4.3, to have a ninimum total R-value of 0.35

ROOFS: to comply with SANS 10400-XA:2011 4.4.5, to have a minimum R-value of

To comply with SANS 10400-XA:2011, 4.1. Maximum 50% of all domestic water

neating to be resistor type heating, Minimum 50% to be from alternative heating All hot water service pipes shall be clad with insulation with a minimum R-value of 1 Calculations done by specialist as separate document



2020.11.18

SACAP no: Pr. 210126

Date:

2020.11.18

No.	Description	Date
1	Issued to Local Authority	2020.09.25
2	Revised East elevation based on aesthetic committee comment	2020.11.18
3	OSCAE requirements - No activity sone in 2mbuilding area on ocean side	2021.01.19
4	OSCAE application - re-submission	2021.01.20
5	Town Planning Submission	2021.07.15
6	Revised issue to local authority	2021.08.26
7	Revised issue to Local Authority - Notes revised according to Dep. Environmental Affairs requirements	2022.01.17

### issue status FOR LOCAL AUTHORITY APPROVAL

### notes

The design on this drawing remains the property of the CLIENT (Only once paid for in full). Copyright Reserved All dimensions to be checked on site before any work is put in hand. ANY DISCREPANCY between all drawings should immediately be brought to the attention of the client / representative and resolved before work commences. This drawing is to be read in conjunction with 'SPECIFICATION OF MATERIAL & LABOUR' for this project. Site instructions

#### take preference over legend of materials. company

SOLVATION

Cillié Malan Pr.Arch 21016 - Contact: cm@solvation.africa / 082 903 6907 95 Dorp Street Stellenbosch - La Gratitude Heritage Building

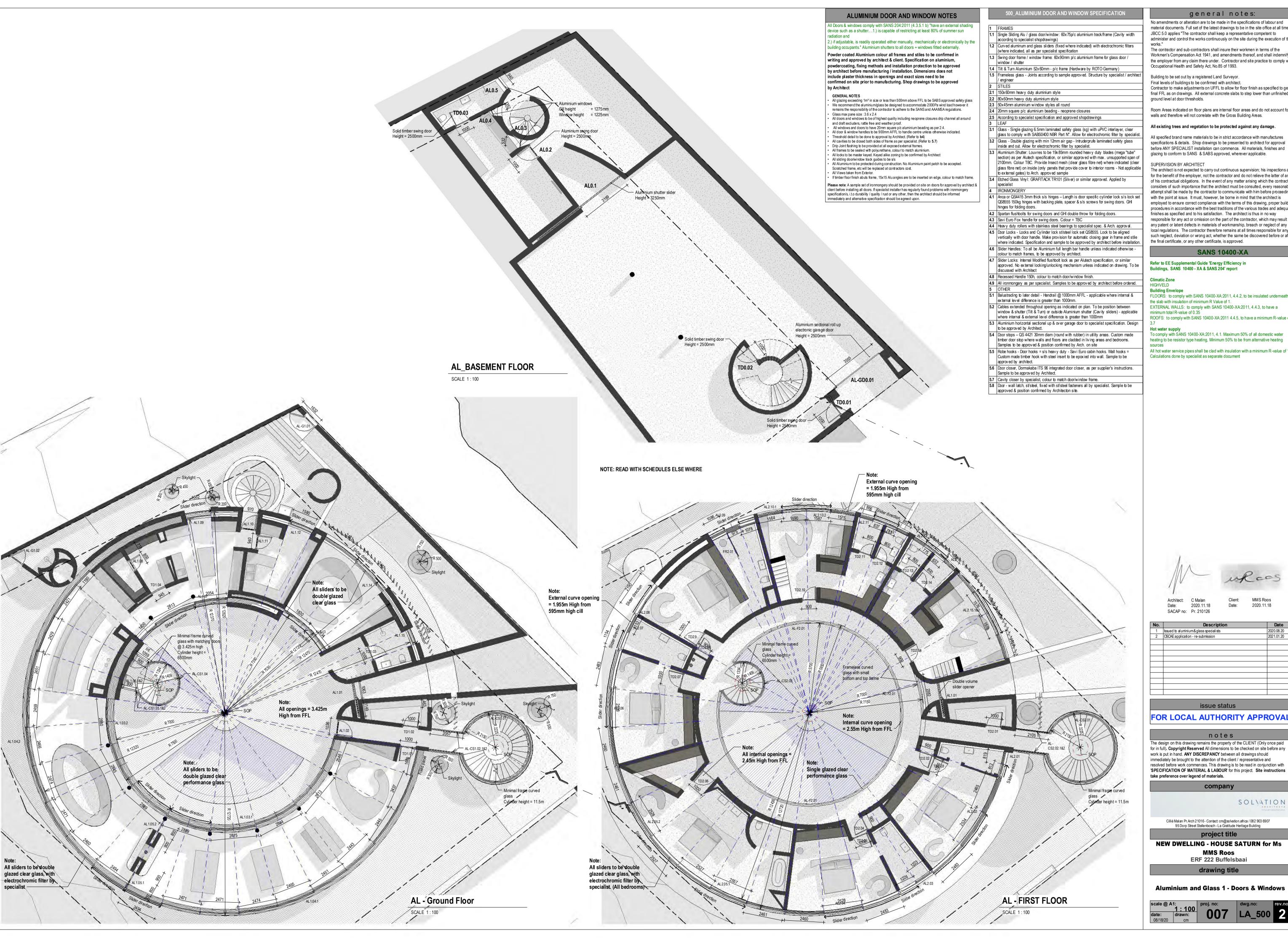
project title **NEW DWELLING - HOUSE SATURN for Ms** 

MMS Roos ERF 222 Buffelsbaai

drawing title

## **SECTIONS**





general notes:

No amendments or alteration are to be made in the specifications of labour and material documents. Full set of the latest drawings to be in the site office at all times. JBCC 5.0 applies "The contractor shall keep a representative competent to administer and control the works continuously on the site during the execution of the

The contractor and sub-contractors shall insure their workmen in terms of the Workmen's Compensation Act 1941, and amendments thereof, and shall indemnify the employer from any claim there under. Contractor and site practice to comply with

Building to be set out by a registered Land Surveyor.

Final levels of buildings to be confirmed with architect.

Contractor to make adjustments on UFFL to allow for floor finish as specified to get to final FFL as on drawings. All external concrete slabs to step lower than unfinished

Room Areas indicated on floor plans are internal floor areas and do not account for

#### All existing trees and vegetation to be protected against any damage.

All specified brand name materials to be in strict accordance with manufactures specifications & details. Shop drawings to be presented to architect for approval before ANY SPECIALIST installation can commence. All materials, finishes and glazing to conform to SANS & SABS approved, wherever applicable.

#### SUPERVISION BY ARCHITECT

The architect is not expected to carry out continuous supervision; his inspections are for the benefit of the employer, not the contractor and do not relieve the latter of any of his contractual obligations. In the event of any matter arising which the contractor considers of such importance that the architect must be consulted, every reasonable attempt shall be made by the contractor to communicate with him before proceeding with the point at issue. It must, however, be borne in mind that the architect is employed to ensure correct compliance with the terms of this drawing, proper building procedures in accordance with the best traditions of the various trades and adequate finishes as specified and to his satisfaction. The architect is thus in no way responsible for any act or omission on the part of the contractor, which may result in any patent or latent defects in materials of workmanship, breach or neglect of any local regulations. The contractor therefore remains at all times responsible for any such neglect, deviation or wrong act, whether the same be discovered before or after

Refer to EE Supplemental Guide 'Energy Efficiency in

**SANS 10400-XA** 

FLOORS: to comply with SANS 10400-XA:2011, 4.4.2, to be insulated undemeath

the slab with insulation of minimum R Value of 1. EXTERNAL WALLS: to comply with SANS 10400-XA:2011, 4.4.3, to have a ninimum total R-value of 0.35 ROOFS: to comply with SANS 10400-XA:2011 4.4.5, to have a minimum R-value of

To comply with SANS 10400-XA:2011, 4.1. Maximum 50% of all domestic water heating to be resistor type heating, Minimum 50% to be from alternative heating

All hot water service pipes shall be clad with insulation with a minimum R-value of 1

Calculations done by specialist as separate document

2020.11.18

Issued to aluminium & glass specialists OSCAE application - re-submission

## issue status

### notes

The design on this drawing remains the property of the CLIENT (Only once paid for in full). Copyright Reserved All dimensions to be checked on site before any work is put in hand. ANY DISCREPANCY between all drawings should immediately be brought to the attention of the client / representative and resolved before work commences. This drawing is to be read in conjunction with 'SPECIFICATION OF MATERIAL & LABOUR' for this project. Site instructions take preference over legend of materials.

### company

SOLVATION

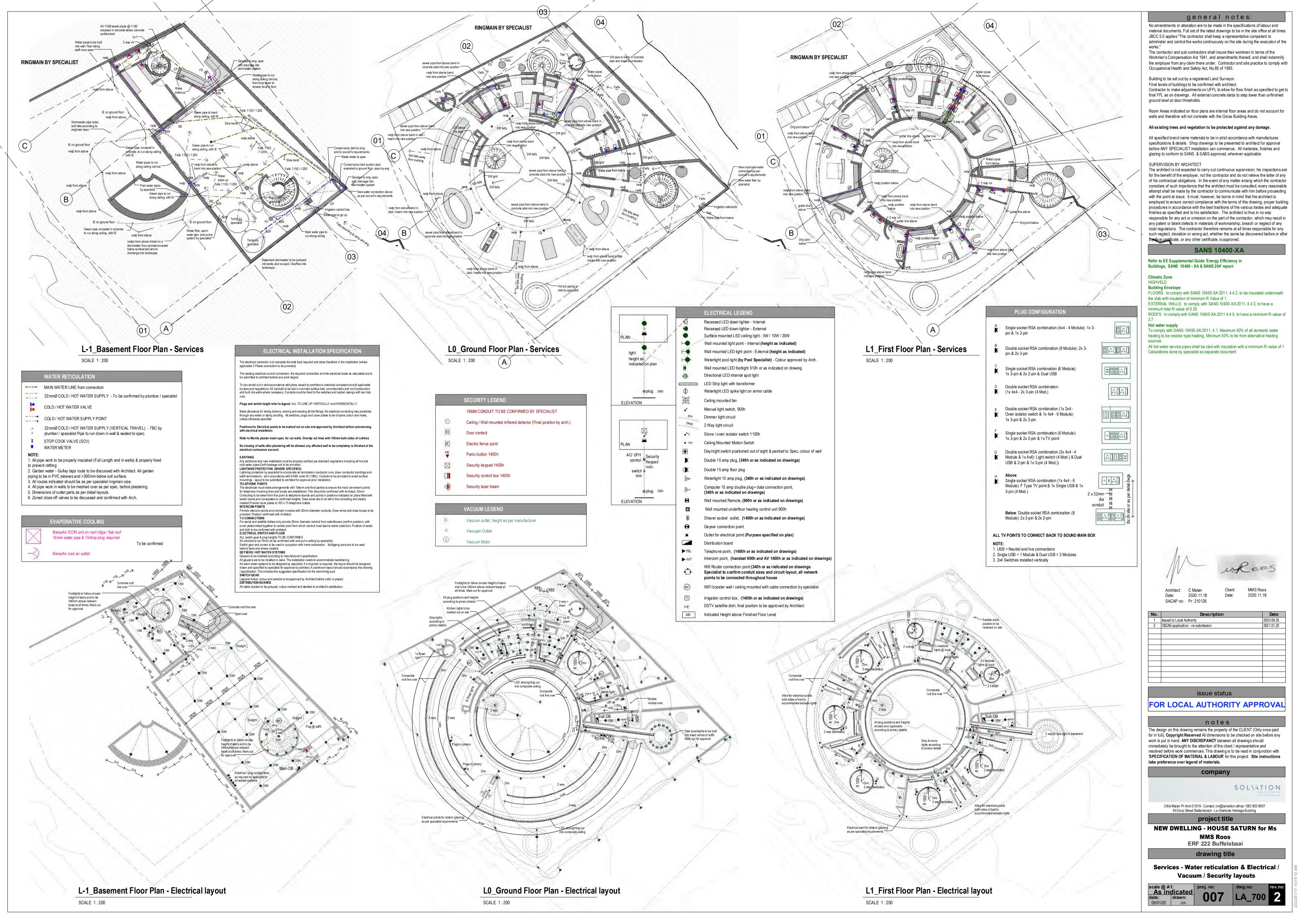
Cillié Malan Pr.Arch 21016 - Contact cm@solvation.africa / 082 903 6907 95 Dorp Street Stellenbosch - La Gratitude Heritage Building

project title

**MMS Roos** ERF 222 Buffelsbaai

drawing title

Aluminium and Glass 1 - Doors & Windows



Roof line 14.843 m nposite gutter behind Inlet in composite gutter behind rwdp to bend in ceiling to column behind to column behind L0\_Ground Floor 5.500 m L0\_Ground Floor 5.500 m Stormwater pipe under slab to be cast in concrete as per eng. - Stormwater pipe under slab to Basement stormwater to be pumped into tanks and re-used. be cast in concrete as per eng. Basement stormwater to be Tank overflow to discharge into landscape as per eng. pumped into tanks and re-Overflow into landscape L-1\_Basement Floor 2.525 m L-1\_Basement Floor 2.525 m used. Overflow into SW grid channel by eng. landscape FD SW grid channel by eng.

Elevation - Stormwater layout - North

Roof line 14.843 m

L-1\_Basement Floor 2.525 m

SCALE 1:100

Elevation - Stormwater layout - South

SCALE 1:100

Date:

2020.11.18

issue status

notes

for in full). Copyright Reserved All dimensions to be checked on site before any

company

Cillié Malan Pr.Arch 21016 - Contact: cm@solvation.africa / 082 903 6907 95 Dorp Street Stellenbosch - La Gratitude Heritage Building

project title

**NEW DWELLING - HOUSE SATURN for Ms MMS Roos** ERF 222 Buffelsbaai

drawing title

work is put in hand. ANY DISCREPANCY between all drawings should immediately be brought to the attention of the client / representative and resolved before work commences. This drawing is to be read in conjunction with 'SPECIFICATION OF MATERIAL & LABOUR' for this project. Site instructions

take preference over legend of materials.

SACAP no: Pr. 210126

SOLVATION

2020.11.18

**Services - Sewer & Stormwater diagrams** 

general notes:

**SANS 10400-XA**