





live your lifestyle

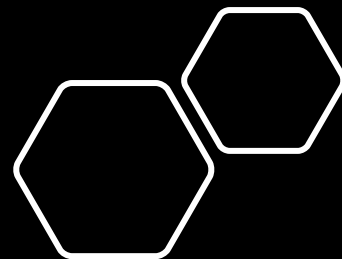


Building Plans done by Greeff  
Live your lifestyle

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# Shed (Barnstyle) Waterkloof Ridge

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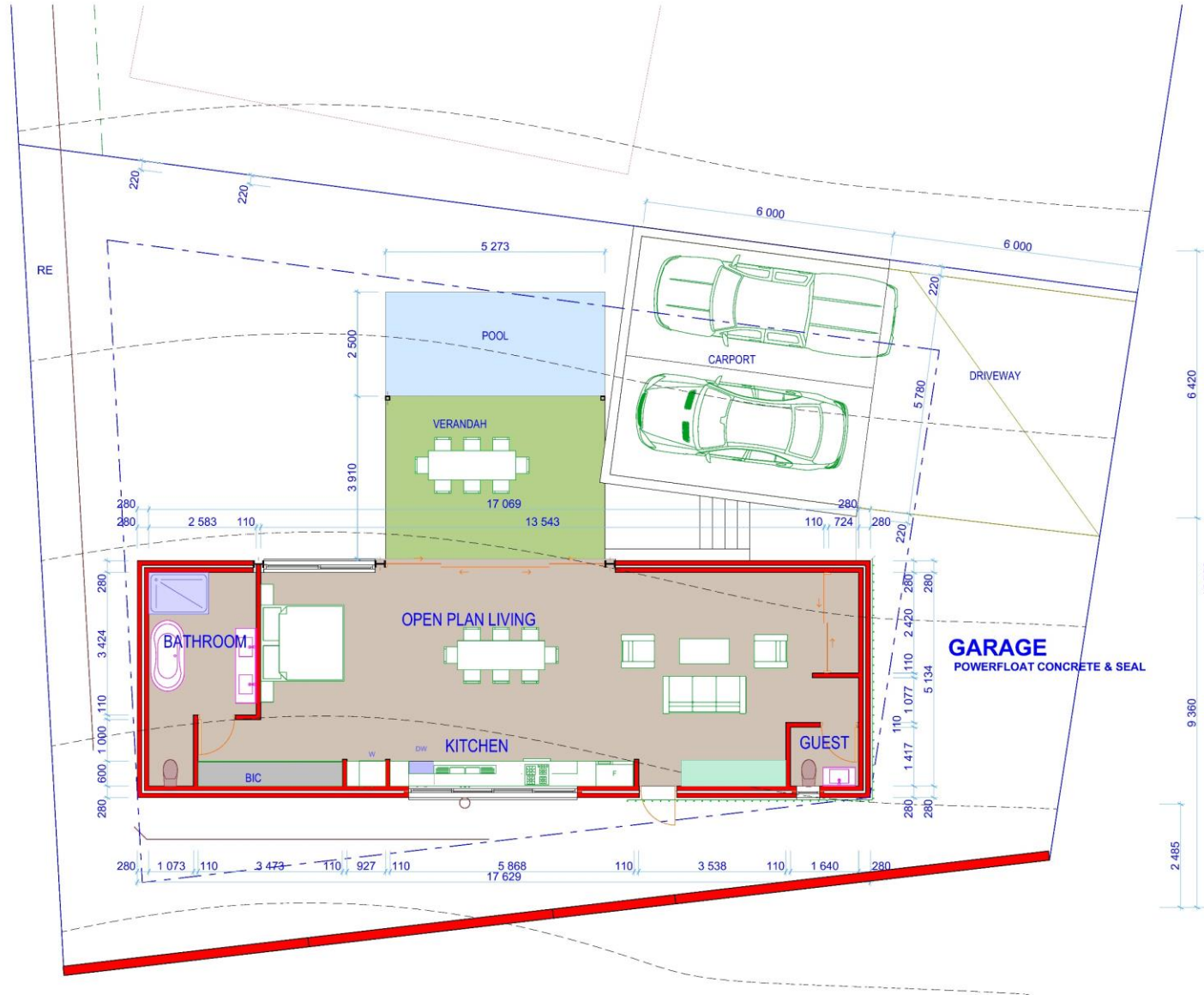


## OPTION 01

includes double garage  
& brick wall





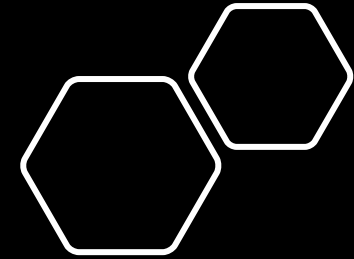


▲ E-03

# HOUSE MORAKE

# OPTION 02

## open parking







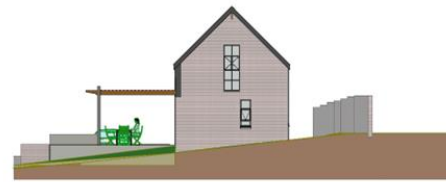
South Elevation (T) 1:100



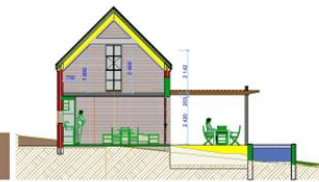
North Elevation 1:100



East Elevation 1:100



West Elevation 1:100

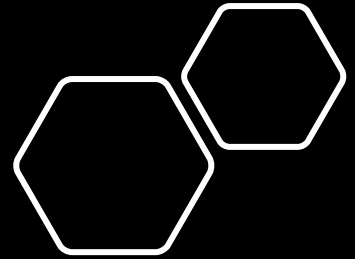


Building Section S-21 1:100



# OPTION 03

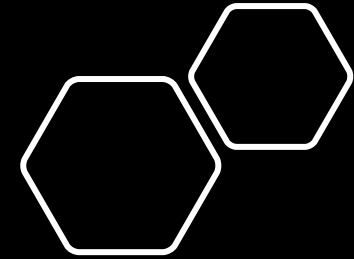
## Variation

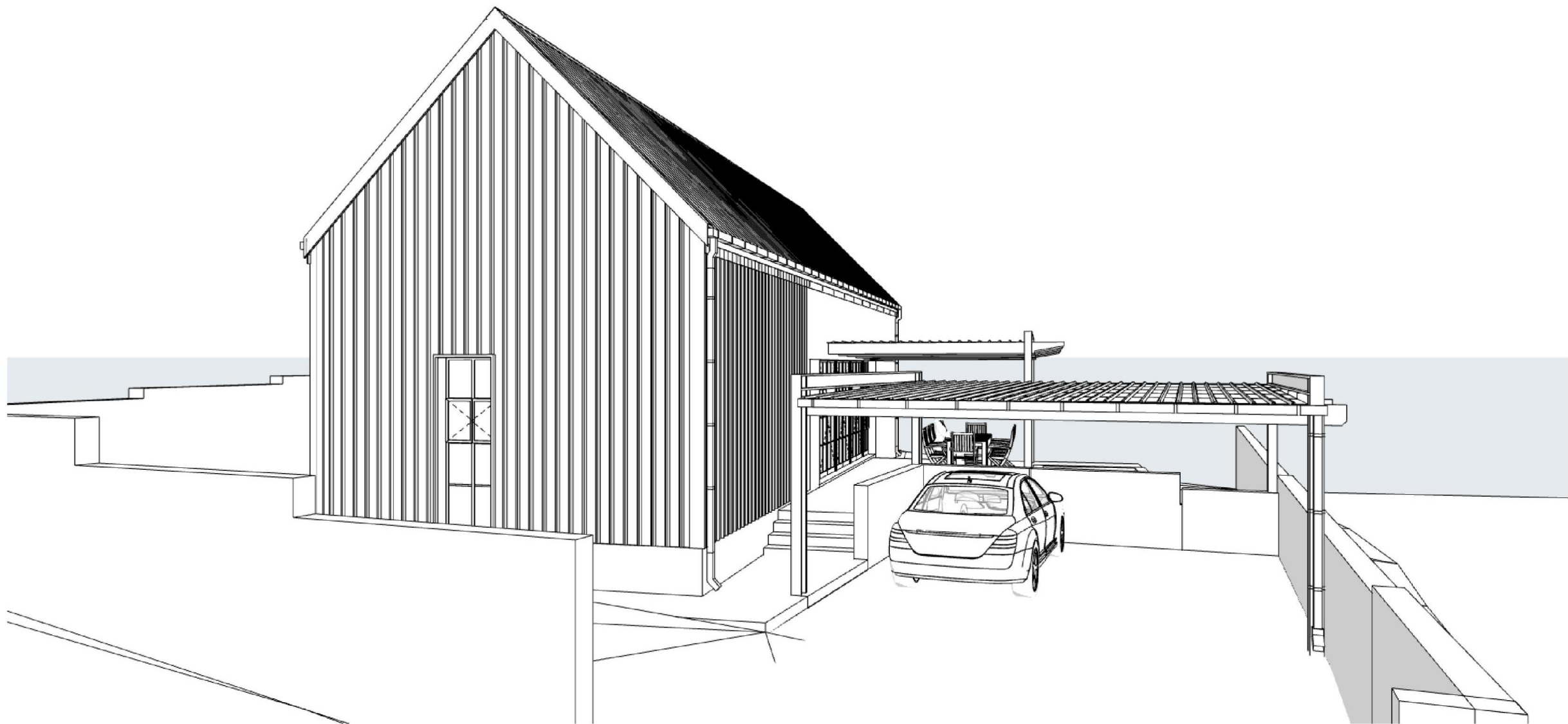




# OPTION 04

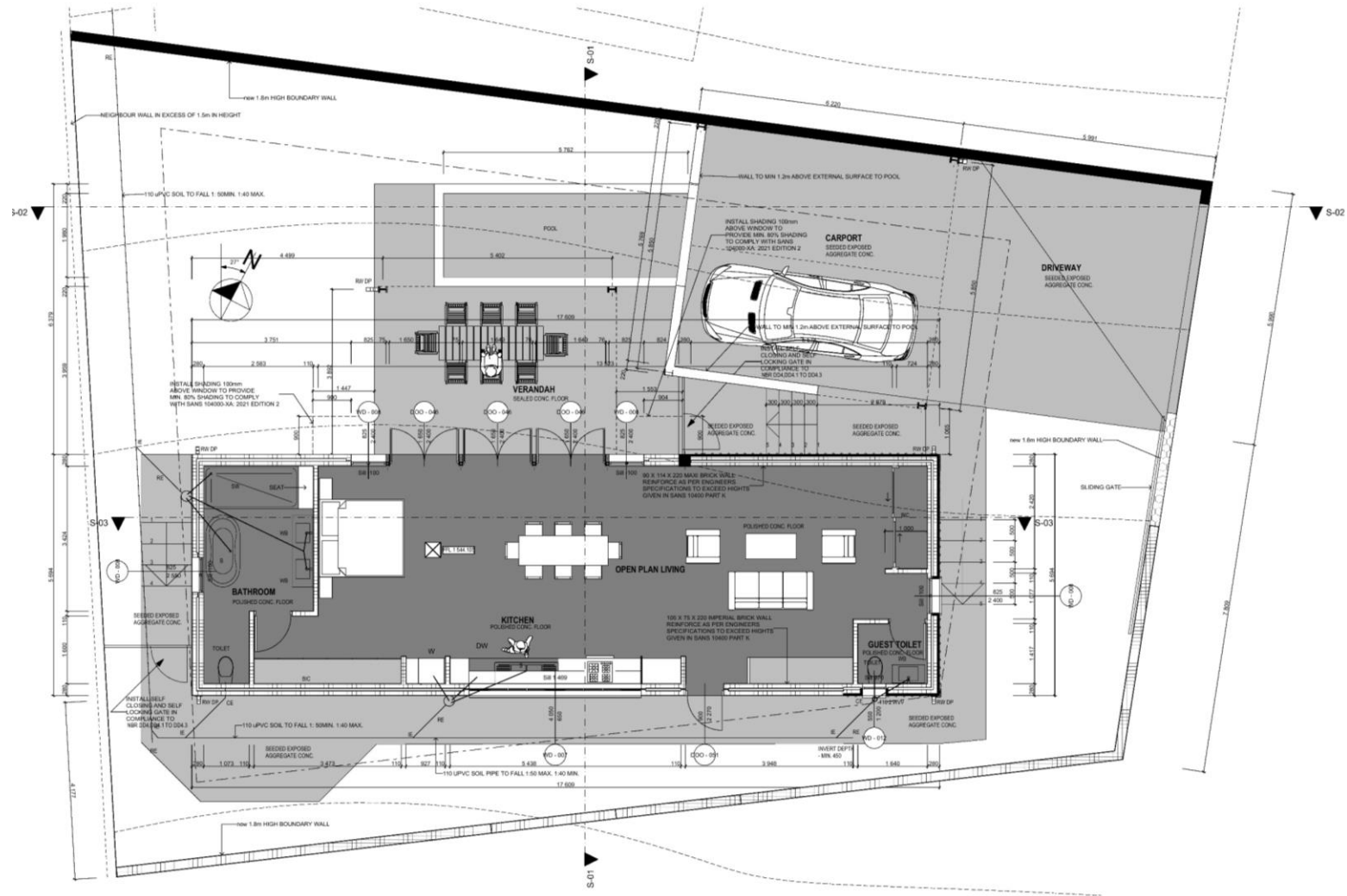
## Double Carport Walled











1.

Ground Floor Storey

1:50





NOTE: FENESTRATIONS QUALIFIED ON THE FOLLOWING CONDITIONS:-  
ALL WINDOWS AND DOORS STEEL FRAMES SHALL BE FITTED WITH FIBROUS / RUBBER SEALS.  
ALL GLAZING SHALL BE DOUBLE GLAZING LOW-E  
VERANDAHS CHAIRING SHALL BE INSTALLED AS PER SIZES ON PLAN WITH ADDITIONAL SHADING OVER WINDOWS AS INDICATED ON PLAN.



Fenestration - Compliant  
 Area Percentage: 31.687 %  
 Net Floor Area = 48,328 sq. ft./Net Light Area = 0.008 sq. ft./Window Area = 12,443 sq. ft./Glass Door Area = 13,923 sq. ft./Curtain Wall Area = 0.000  
 Noise - Environmental Control  
 Windows - Conductance 40.698 SHGC 0.812, Doors - Conductance 47.330 SHGC 4.902, Walls - Conductance 0.000 SHGC 0.000, Roof Lights - Conductance 0.000 SHGC 0.000  
 Totals - Conductance 81.034 SHGC 0.814  
 Allowable Conductance 120.859 and SHGC 0.000

Energy Demand	
Business Power & Lighting - Commercial	
Daily kWh usage	
30,000; 15,000 amp voltage: 450,000	amp/voltage: 4,000 loads per day; 7,000 day-week
730,170 Annual Kilo-wattage	
Energy demand	
Gross area: 100,730 sq ft	
Energy demand: 5.16 kw/ft	
Total demand: 758,658 kw	
Total: 450.19	
Energy Consumption	
Gross area: 100,730 sq ft	
Energy consumption: 5.16 kw/ft	
Total demand: 758,658 kw	
Total: 732.16 kw/h	

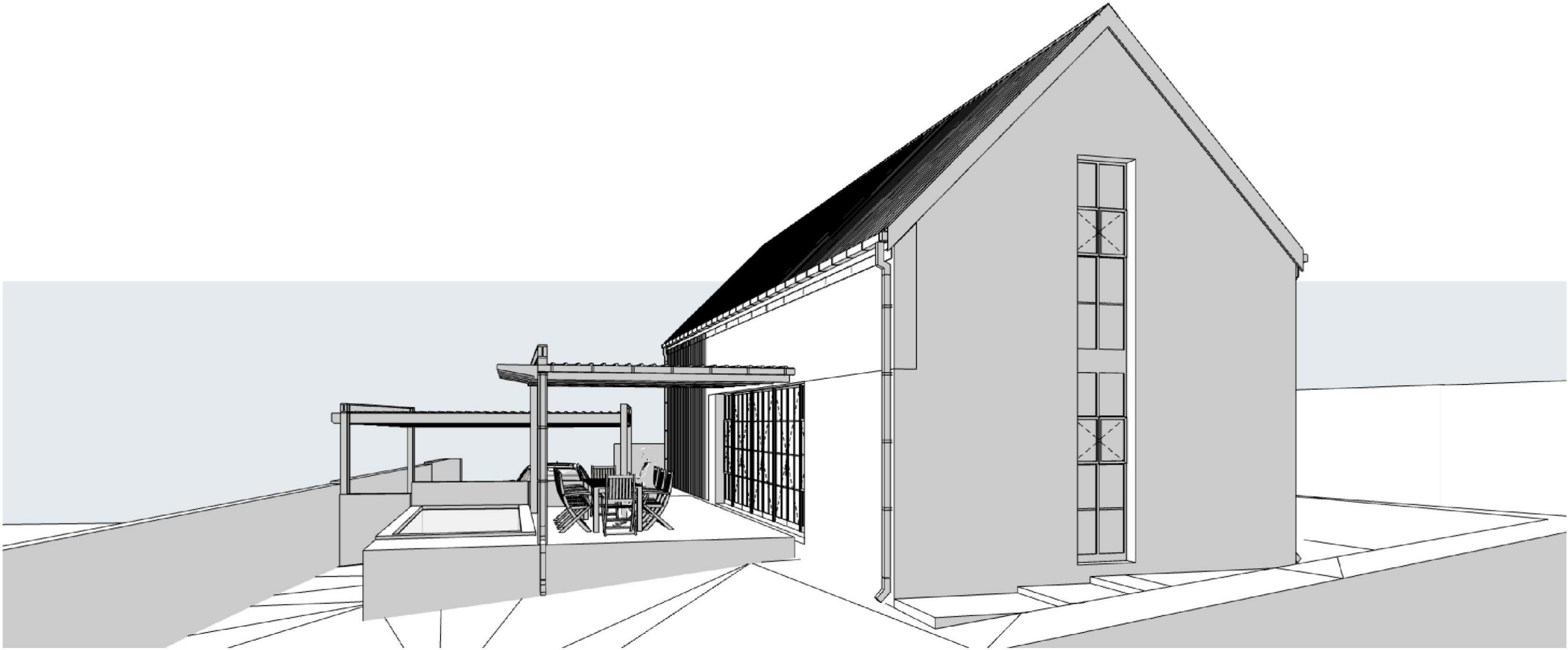
Energy Demand:  
Services Not needed - Complaint  
Dewatering Issues:  
A 200-ton truck full of people  
Hired Outside:  
100% Hot water per Day (100) = 480L  
100% Hot water per Day (100) = 360L  
100% Hot water per person (100) = 1670L  
100% Hot water per person (100) = 23300 L  
10% Hot water per Day (100) = 208 L  
10% Hot water per Day (100) = 385 L  
10% Hot water per person (100) = 3920L  
10% Hot water per person (100) = 5520L  
Peak Size  
Flow Size = 120  
Notes:  
1. All tests should be conducted with a material containing a minimum of 2.0.

**FLOORS**  
Green Coated Steel Deck  
100.255 in" Sub-On Ground  
Welded Joists  
Green ground slabs are + 550 mm, with a concrete slab-on-ground, that have insulation installed around the vertical edge of its perimeter which shall have a R-value of not less than 1.0, extend under slabs in order to retain its thermal insulator properties, and be continuous from the adjacent finished ground line a height of not less than 180 mm, or be the full depth of the vertical edge of the concrete slab-on-ground.

**WALLS**  
External Wall Types: Masonry - Double skin cavity wall - Concretal  
Rat Type Information:  
The following types of masonry wall comply with the Riska requirements: double-skin masonry with cavity, plastered internally, or rendered externally.  
NOTE: The cavity and greater cavity walling systems exceed the minimum R value of 0.13 (equivalent masonry walls with a nominal wall thickness greater than 140 mm excluding plastering and rendering), plastered R value and rendered externally. The requirements refer to the external walls of the building portions of the building fabric only. For masonry walling types not covered in 4.2.3.2, such walls that achieve a minimum tabular value of 0.26. The tabular R value shall be determined by means of a test conducted in accordance with ASTM C 1363, ASTM C 510 or ASTM C 177. Surface fire resistance shall be in accordance with the relevant code of practice.

**ROOF**  
 Ventilated - Roof 22 is 45 pitch horizontal ceiling, metal ceiling  
 Custom Roof Components  
 Gutter on rim (20%) - 0.00 (app) Added ceiling 0.00 (app) Roof air space (non reflective) 0.00 (app) Insulation on rim (app) 0.10 (app) Right exterior job  
 (app) 1.78 (app) + Total Roofing 0.00 (app) Ceiling R Value = 1.55 (app) Ventilation Target (value 1.27) (app) Required thickness of insulation R using Thermal  
 Properties (0.0020) = Minimum Value R Value = 0.0000 (1.00) Design Roof Slope

[illegible]





*"The only way to do great work  
is to love what you do." Steve Jobs*

## ARCHITECTURE

Concept Designs | Building Plans  
3D Rendering | Council Submissions

## CONSTRUCTION

Building Contractors | Cost Estimates  
Budget & Project Management

*your imagination & our expertise*



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[builditbetter.co.za](http://builditbetter.co.za)

call: 082 821 7837 chat:082 414 8056

[info@builditbetter.co.za](mailto:info@builditbetter.co.za)

Web: [builditbetter.co.za](http://builditbetter.co.za)  
Cellular: 0828217837

