



AREAS

GROUND FLOOR AREA 72.90sqm
 PORTICO 3.22sqm
 GARAGE 19.46sqm
 FIRST FLOOR AREA 68.13sqm
 TOTAL AREA OF HOUSE 163.73sqm
 SITE = 224sqm
 COVERAGE = 42.68%

SANS XA CALCULATIONS

GLAZED AREAS

D2 X 2	2.14sqm X 2	4.28sqm
W1 X 8	1.28sqm X 8	10.24sqm
W2 X 3	0.6sqm X 3	1.8sqm
W3 X 6	0.5sqm X 6	3.0sqm
W4 X 1	2.68sqm X 1	2.68sqm
TOTAL AREAS		22.68sqm

TOTAL WINDOW AREA = 22.68sqm IS LESS THAN (24.55) 15% OF FLOOR AREA. SANS XA SATISFIED

CLIMATE ZONE 4

WATER CALCULATIONS AS PER LOCAL AUTHORITY RULING AND WATER-SAVING METHODS. 50% OF ALL HOTWATER USED WILL BE HEATED BY MEANS OF A ELECTRICAL WATER GEYSER.

ELECTRICAL CALCULATIONS COMPLIANCE ACHIEVED - SEE TABLE BELOW.

Room	S.F.P.R.	No of Lights	Total Watt	Hours in Use (h)	Days	Wk	Total Annual kWh
BATHROOM	5	2	10	6	7	21	21.0
BEDROOM 1	5	2	10	6	7	21	21.0
BEDROOM 2	5	2	10	6	7	21	21.0
KITCHEN	5	1	5	12	7	21	21.0
LIVING	5	2	10	6	7	21	21.0
LIVING & DINING	5	4	20	6	7	21	84.0
MAIN BEDROOM	5	4	20	6	7	21	84.0
PORTICO	5	1	5	24	7	21	105.0
SCULLERY	5	1	5	6	7	21	10.5
STAIR	10	1	10	12	7	21	42.0
TOTAL							483.0

MAX ENERGY DEMAND ALLOWABLE = 815 W > 135W
 MAX ENERGY CONSUMPTION - ALLOWABLE = 815 kWh > 484.12 kWh

WALLS
 270mm MASONRY CAVITY WALL CONSTRUCTION R-VALUE = 0.82 (MIN = 0.35) COMPLY

FLOORS
 NO REQUIREMENT

ROOF
 METAL ROOF SHEETING ON 80mm ISOBOR R-VALUE = 3.333 ON 4mm ALUBUBBLE 290G R-VALUE = 1.103 ON PLASTERBOARD CEILING R-VALUE 0.03 TOTAL ROOF CONSTRUCTION R-VALUE = 4.493 (MIN R-VALUE = 3.7 - COMPLY)

REVISIONS MADE: 13/11/2017
 W2 WINDOW ADDED TO EN-SUITE

WELGEVONDEN ESTEETISE KOMITEE (WEK)
 Hierdie goedkeuring is onderhouwing daarvan dat die eienaar/ontwerper van die erf sal tussan dat die Anglikaanse regte nagekom word. Enige afwyking moet skriftlik aan die WEK voorgelê word vir goedkeuring.
 28/11/2017
 Datum: Goedgekeur: A. de Rijke

BP/17/3444



ARCHITECTURAL PROFESSIONAL: Francois Malan
 SACAP REG. NUMBER: Pr Arch 21243
 Signature: _____
 CLIENT: _____
 Signature: _____

ALL STATUTORY REQUIREMENTS (NATIONAL BUILDING REGULATIONS AND MUNICIPAL BY-LAWS) MUST BE ADHERED TO.
 ALL BUILDING WORK TO COMPLY WITH THE ARCHITECTURAL GUIDELINES OF THE WELGEVONDEN ESTATE.
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PROJECT DESCRIPTION:
 NEW HOUSE ON ERF 14804

ADDRESS
 2 PATRYSBOSCH STREET - WELGEVONDEN - STELLENBOSCH

CLIENT:
 MR LOOTS & MR SMIT

DRAWING DESCRIPTION:
 FLOOR PLANS

Drawn: Francois Malan
 Plot Date: 24/07/2017
 DRAWING NO:
 0008 -1
 REVISION:
 A