

Office stamp

COPYRIGHT RESERVED

CONSTRUCTION NOTES: (UNLESS DETAILED OTHERWISE)

ALL MATERIALS TO BE SABS APPROVED

CONCRETE ROOF TILES WITH PVC UNDERLAY ON PREFABRICATED 154MM X 54MM TIMBER TRUSSES AT 700 C/C. ROOF PITCH 17.5

DEGREES. <u>CONCRETE SLAB: -</u> (IF USED IN DESIGN) REINFORCED CONCRETE ROOF SLAB SCREEDED TO FALL TO RAINWATER OUTLETS AND WATERPROOFED WITH DERBIGUM - BY

SPECIALIST OR BY APPROVED APPLICATOR. <u>WALLS:</u> TWO COURSES OF BRICKWORK TO BE REINFORCED WITH BRICKFORCE

IN SOLID CEMENT MORTAR AND JOINTS BOTH AT WINDOW CILL & WALLPLATE LEVELS. PLASTER & PAINT BOTH INTERNALLY AND EXTERNALLY.

<u>Floor:</u> 100mm thick concrete floor slab reinforced with BRC mesh on USB black underlay on well consolidated & poisoned

EARTH. SOIL POISONING IN ACCORDANCE WITH RECOMMENDATIONS OF SABS 0124. FIRST FLOOR SLAB & ALL BEAMS TO ENGINEERS DETAIL.

FOUNDATIONS: FOUNDATIONS TO ALL WALLS : - 90/110mm = 600mm x 200mm MIN. 140/ 190 / 230mm = 750 mm x 250mm min.

DRAINAGE: ANY DAMAGED FITTINGS TO BE REPLACED. ALL GULLY SURROUNDS & MANHOLE COVERS TO BE 75MM ABOVE GROUND LEVEL. SEWER CONNECTIONS TO BE EXPOSED BEFORE COMMENCING WORK. I.E.S TO ALL BENDS & JUNCTIONS. SOIL PIPES TO BE 100MM DIAMETER PVC & WASTE PIPES TO BE 50MM DIAMETER PVC.

<u>Structural Work:</u> All structural work to Engineer's design & detail.

LOCAL AUTHORITY:

THE CONTRACTOR IS RESPONSIBLE FOR ALL LOCAL AUTHORITY NOTICES. WHERE LOCAL AUTHORITY OR GOVERNMENT REGULATIONS REQUIRE MORE STRINGENT SPECIFICATIONS THAN SHOWN HEREIN, THEY ARE TO BE FOLLOWED WITH PRIOR CONSENT FROM THE OWNER. THE CONTRACTOR IS TO INSPECT THE OFFICIAL APPROVED COPIES OF THIS DRAWING TO ENSURE THAT ALL AMMENDMENTS HAVE BEEN TAKEN INTO ACCOUNT. ALL NBR AND SABS STANDARDS AND SPECIFICATIONS ARE TO BE ADHERED TO AS A MINIMUM STANDARD.

<u>General Notes:</u> All Beacons to be exposed.

All excavations to be supervised and certified by a Geotechnical Engineer. Excavated earth to be removed from site.

ALL PVC RAINWATER GOODS TO BE USED. ALL RAINWATER PIPES TO GULLEY. ALUMINIUM WINDOWS AND DOORS. ALL EXISTING DOORS AND WINDOWS TO BE REPLACED WITH

ALUMINIUM DOORS AND WINDOWS.

ALL FINISHES TO MATCH EXISTING. ALL LEVELS & DIMENSIONS TO BE CHECKED ON SITE PRIOR TO

COMMENCEMENT OF BUILDING WORKS. ALL DISCREPANCIES PERTAINING TO PLANS & SPECIFICATIONS TO BE REFERRED TO AUTHOR OF PLANS.

ALL WORK TO COMPLY WITH NATIONAL BUILDING REGULATIONS AND LOCAL AUTHORITY BYLAWS. ALL BOUNDARY BEACONS TO BE EXPOSED PRIOR TO COMMENCEMENT OF ANY WORK. EXTREME CARE TO BE TAKEN WHEN EXCAVATING IN THE VICINITY OF CABLES. OWNER / CONTRACTOR TO BE RESPONSIBLE FOR THE PROTECTION OF ALL MUNICIPAL SERVICES. ALL FITTINGS, FINISHES, MATERIALS TO BE TO OWNER'S SATISFACTION.

STORMWATER CALCULATIONS COVERAGE = 28.364M²

THEREFORE - (28.364m²/40) x 1.67 = 1.18m³ WATER STORAGE TANK REQUIRED I X 1500L JOJO TANK SPECIFIED WITH OVERFLOW TO GULLEY PIPE





	0.600 0.600 0 0 0 0 0 0 0 0 0 0 0 0
	FROSTED
W3	W4
600мм х 2000мм	600mm x 600mm
I	
TOUGHENED SAFETY GLASS	TOUGHENED SAFETY GLASS
6MM	бмм
1.20	0.36

REVISION 3:									
REVISION 2:	REVISION 2:								
REVISION I:									
PROJECT: PROF BUIL GAR GAR	2. ADDS/ALTS DING, EX. GAF AGE, PROP. RO AGE	TO EXISTING RAGE CONV. ⁻ DOF DECK AB	OUT TO DOUBLE OVE						
ADDRESS: 29 JL	ILIA ROAD	EL NO: 083 78	36 8890						
CADASTRAL DESCRIPTION SITE CLASS PTN 12 (OF 3) OF ERF 531 BRICKFIELD									
CLIENT: S. DAV	DS & F. SIMJ	EE							
SIGNATURE	Singe	e Bine	Sk						
SHEET	SCALE	DWG NO.	AUTHOR						
A0	AS SHOWN		S.Reddy						
SIGNATURE SHEET A0	SCALE AS SHOWN RD Corra Sulfi For All Your Archit	DWG NO. DWG NO. CSigu Cants etural Needs	AUTHOR S.REDDY						
OFFICE: 4	1 Dipdale Road, Mal	lvern, Queensburgt	1 4055						
(R Office: 03	DIRECTOR-SEIV SACAP - T0756 (PA eg. Energy Efficiency comp 31 464 1209 Ce	'AN REAAY T)/MSAIBD etent professional) 211: 061 483 7365	5						
Email: srdesignconsultar	nts1@gmail.com	Email: reddy.srde	sign@gmail.com						

Efficiency in nergy Demand 8	Buildings & Consumption
H4	
24	Hours per day
7	Davs per week
5	
Non-specified	VA/m ²
Non-specified	kWh/(m²)
52.61	m²
52.61	
70.0 4	
59.04	m²
59.036	m²
295.18	W – Permissible
295.18	kWh – Permissible
No. of lamps:	Hours in use / day:
7	7.0
	Energy demand acceptable.
1.30	Energy demand acceptable.
218	W
196.20	Energy consumption acceptable.
1.50	Energy consumption acceptable.
98.98	kWh
(Use actual me	easured data where available.)
Dwelling	houses - Medium rental : 115-140 L/cap
15.0	L Bor Dov
30.0	Fei Day
10.92	kL – Based on daily design occupancy
5.46	kL – Minimum volume of hot water to l
15.0	L - To be provided by means other that resistance heating
15.0	L – To be provided by means other the resistance heating
15.0 ≤ 80	L – To be provided by means other that resistance heating mm
15.0 ≤ 80 1.0	L – To be provided by means other that resistance heating mm Refer SANS 204 (4.5.2)
15.0 ≤ 80 1.0 2.0	L – To be provided by means other that resistance heating mm Refer SANS 204 (4.5.2) Additional insulation to manufacturer's may be required to achieve this value.
	Enticiency in mergy Demand & H4 24 7 5 Non-specified Non-specified Non-specified 52.61 52.61 59.04 59.036 295.18 295.18 295.18 295.18 295.18 196.20 1.30 218 196.20 1.50 98.98 (Use actual med) Dwelling 15.0 2 30.0 10.92



LIST OF NEIGHBOURS					
NAME:					
ADDRESS:					
Signature:					
Tel:					

	Floor Construction -
	Slab-on-ground
	Concrete slab-on-ground ? Yes
	In-slab heating to be provided ? No
	Suspended floor
	Suspended hoor as building envelope ? No
	External Wall Construction -
	SANS 10400-XA Required <i>R</i> -value
	Wall Type ? Masonry
	Refer SANS 10400-XA (4.4.3) &
	Minimum R-value required: 0.35 SAIVS 204 - Table 4 and Advisory Note
	Double-skin masonry wall, no
	cavity, plastered internally or
	rendered externally, or
	Compliant masonry walling: Single-leaf masonry wall,
	nominal wall thickness hot < 140 mm_plastered internally and
	rendered externally.
	SANS 204 Required CR-value
	Minimum CR-value required: 60 Hours
	Advisory Note - Applicable to masonry walls only in terms of
	Double brick wall types: No cavity
	CR-value: 40 CR-value of wall insufficient.
	Roofs Assemblies -
	SANS 10400-XA Required R-value
	Minimum Total <i>R</i> -value required: 2.70 m²·K/W
	Direction of heat flow: Down
	Construction Type <i>R</i> -value
	Basic roof assembly: Metal sheeting type
	<i>R</i> -value for roof covering material: 0.36
	<i>R</i> -value for ceiling: 0.05 m²·K/W
/	Required added <i>B</i> velue for insulation 2.20
	SANS 204 Required <i>R</i> -value
/eek	Construction Type <i>K</i> -value
ovided by	Metal cladding @ 2-12° pitch w/ sloped ceiling
ng	Basic roof construction ?
	Basic R-value for Roof
trical	Direction of heat flow: DOWN
	Outdoor air film (7m/s) 0.03
	Metal cladding 0.00
	Koot air space 0.22
	Plasterboard gypsum
ation	(10 mm, 880 kg/m ³) 0.06
	Indoor air film (still air) 0.16
	Total R-value 0.47 m ² K/W

		TABLE		STRATIO		Gla	zing		9 - Allowa			lesiialio	Solar		
Glazi	Glazing Elements		Glazin	lazing Element Size Elem Rati			ment tina	Sector	Shading			Exposure	Proposed		
Storey Level	Identi fier No:	No. of Units	Widt h (m)	Height (m)	Area	U- value	SHGC	Orientatio n	Projec tion (m)	Height ¹ (m)	Height ² (m)	P/H	Factor(E)	Condu ctance	SHG
									(P)	(H)	(G)				
Ground Storey	W2	1.000	1.200	0.900	1.080	7.9	0.81	North East	0.600	1.400	0.500	0.429	0.450	8.532	0.394
Ground Storey	W3	1.000	0.600	2.000	1.200	7.9	0.81	North East	2.181	2.600	0.600	0.419	0.450	9.480	0.437
Ground Storey	D2	1.000	1.200	2.100	2.520	7.9	0.81	North East	0.600	2.600	0.500	0.231	0.590	19.908	1.204
Ground Storey	W1	1.000	1.500	1.200	1.800	7.9	0.81	North East	0.600	1.700	0.500	0.353	0.490	14.220	0.714
Ground Storey	W4	1.000	0.600	0.600	0.360	7.9	0.81	South West	0.600	1.100	0.500	0.545	0.670	2.844	0.195
					6.960							1.977			

SHEET	2/2

Office stamp

Copyright Reserved

REVISION 3: REVISION 2: REVISION I:
PROJECT: PROP. ADDS/ALTS TO EXISTING OUT BUILDING, EX. GARAGE CONV. TO DOUBLE GARAGE, PROP. ROOF DECK ABOVE GARAGE
ADDRESS: 29 JULIA ROAD TEL NO:083 786 8890
CADASTRAL DESCRIPTION SITE CLASS PTN 12 (OF 3) OF ERF 531 BRICKFIELD CLIENT:
SIGNATURE Buyer Builds SHEET SCALE DWG NO. AUTHOR
AI AS SHOWN S.REDDY
OFFICE: 41 Dipdale Road, Malvern, Queensburgh 4055 DIRECTOR- Selvan Reddy SACAP - T0756 (PAT)/MSAIBD (Reg. Energy Efficiency competent professional) Office: 031 464 1209 Cell: 061 483 7365
Email: srdesignconsultants1@gmail.com Email: reddy.srdesign@gmail.com