

**HOT AND COLD WATER DEMAND**

AVERAGE WATER CONSUMPTION - SANS 10252-1

DOMESTIC FITTINGS OR FIXTURES	TABLE 2		ASSUMPTION
	LITRES PER OPERATION	NUMBER OF FITTINGS	
CLOTHES WASHING MACHINE	60 - 180	1	60
SHOWER	3 - 6 / min	3	90
WASH-HAND BASIN	4 - 8	3	12
WATER CLOSET FLUSHING	8 - 10	3	24
BATH	80 - 90	1	80
<b>TOTAL</b>			<b>266</b>

DOMESTIC APPLIANCES	LITRES PER DAY PER PERSON	NUMBER OF PERSONS	TOTAL LITRES
DRINKING, FOOD PREP. & COOKING	18 - 22	6	108
LAUNDRY	10 - 15	6	60
PERSONAL WASHING & BATHING	20 - 30	6	120
WASHING DISHES	8 - 12	6	48
WATER CLOSET FLUSHING	32 - 40	6	192
<b>TOTAL</b>			<b>528</b>

**REFER TABLE 5**

H4 - DWELLING - 3 BEDROOM (POPULATION)	6
HOT WATER DEMAND - Litres / Capita / Day	115 - 140
ESTIMATED TOTAL HOT WATER DEMAND - Litres / Capita / Day	690
STORAGE VOLUME @ 60 C - Litres / Capita / Day	300
HEATER POWER (2 - 5kw / Unit)	12

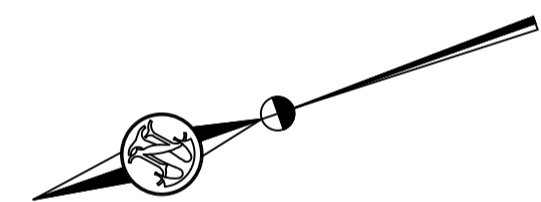
PROBABLE FLOW DEMAND (TABLE 3) SANS 10252-1

FIXTURE OR FITTING	NUMBER	MAXIMUM Litres/Minute	LITRES/MINUTE	MINIMUM Litres/Minute	LITRES/MINUTE	DESIGN FLOW Rate L/Min	LITRES/MINUTE	FLOW PRESSURE Kpa	TOTAL Kpa
SINK - PLAIN MIXER	2	25	50	10	20	15	30	15	30
WASHING MACHINE TAP - 15mm	1	25	25	6	6	15	15	15	15
WASH-HAND BASIN - PLAIN MIXER	3	25	75	5	15	10	30	15	45
SHOWER - WATER SAVING	3	12	36	6	18	10	30	50	150
WATER CLOSET - Float valve cistern	3	5	15	3	9	5	15	100	300
BATH	1	30	30	12	12	15	15	15	15
GARDEN TAP - 15mm	1	25	25	6	6	15	15	15	15
<b>TOTAL</b>			<b>256</b>		<b>84</b>		<b>150</b>		<b>570</b>
PROBABLE FLOW DEMAND - QP=(EQ) n=0.5			<b>16</b>		<b>9.165</b>		<b>12.247</b>		

**HOT WATER SERVICES**

Type of Accommodation	Medium rental
Daily Hot Water Consumption per Person	115 litres
No. of Persons	6
Total Daily Hot Water Consumption	690 litres
Daily Hot Water Consumption to be Heated by Solar Energy	345 litres

Ex. Adj. Dwelling  
P. No. 27  
Portion 398 ERF 3193



**NOTES**

- WALLS:**
- \* 2 COURSES OF BRICKWORK TO BE REINFORCED WITH BRICKFORCE AT SILL & WALLPLATE LEVELS
- ROOF:**
- \* EXISTING CONCRETE TILE ROOF.
  - \* CARPORT - GALVANISED ROOF SHEETING (COLOUR WHITE), BY SPECIALIST.
- \* ALL WALLS, FLOORS, FOUNDATIONS, LINTOLS, ROOFS, BEAMS, TO ENGINEER'S SPECIFICATIONS.
- \* SHOWER ENCLOSURE TO BE 6mm TOUGHENED SAFETY GLASS.
- \* STORMWATER TO EXISTING.

**HOT WATER SUPPLY**

- SOLAR GEYSER TO BE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS AS THE 50% ALTERNATE HEATING REQUIREMENT.
- ALL HOT WATER SUPPLY <= 30mm TO BE INSULATED WITH MATERIAL WITH MINIMUM 'R' VALUE 1.0.
- ALL HOT WATER VESSELS / TANKS TO BE INSULATED WITH MATERIAL ARCHIEVING MINIMUM 'R' VALUE 2.0.
- THE INSTALLATION TO COMPLY WITH SANS 1207, SANS 10100, SANS 10254, SANS 10252.1.
- WATER INSTALLATIONS IN BUILDING IN ACCORDANCE WITH SANS 10252.1, SANS 10254.

OWNER'S SIGNATURE:

TEL: 082 498 5408  
DATE: April 2023  
SCALES 1:100

**DESCRIPTION:**  
PROPOSED ADDITIONS & ALTERATIONS TO EXIST. DWELLING & CARPORT FOR MR. J.R. GUERIN & MRS. J. GUERIN AT No. 26 VICKERS PLACE VIRGINIA PORTION 440 of ERF 3193 Durban North

**SCHEDULE OF AREAS**

SITE AREA.....	1052 sqm
Exist. Dwelling .....	248.374 sqm
Exist. Outbuilding .....	32.986 sqm
Proposed Carport .....	29.520 sqm
<b>Total .....</b>	<b>310.880 sqm</b>
Existing Coverage .....	281.360 sqm
Proposed Coverage .....	29.520 sqm
<b>Total Coverage .....</b>	<b>310.880 sqm</b>
Coverage in Hand .....	215.120 sqm
<b>New Area .....</b>	<b>29.520 sqm</b>

DRAWN: MERVYN PILLAY  
PR ARCH DRAUGHT  
SACAP REG. No. D0024

**NTC PLANS**

8 PORPOISE PLACE  
SEATIDES  
TONGAAT 4399

TEL: 032 943 1703 CELL: 082 809 8890  
DWG No: 05/23

VICKERS PLACE  
GROUND STOREY PLAN & SITE PLAN  
SCALE 1:100