



## WATER SAVINGS

WATER SAVINGS TARGET TO BE REACHED IN ACCORDANCE WITH PART 25 OF THE QDC

1. PROVIDE WATER TANK/S WITH A MINIMUM 5000L CAPACITY
2. TANKS TO RECEIVE RAINFALL FROM AT LEAST ONE HALF OF THE ROOF CATCHMENT AREA OR 100m<sup>2</sup>, WHICHEVER IS THE LESSER.
3. RAINWATER TANKS ARE TO SUPPLY WATER FOR EXTERNAL USE AND INTERNAL USE TO TOILET CISTERNS AND WASHING MACHINE COLD WATER TAPS.
4. TANKS TO HAVE:
  - a) SCREENED DOWNPIPE RAINHEAD HAVING SCREEN MESH 4-6mm DESIGN TO SHED LEAVES;
  - b) A MINIMUM OF 15L FIRST FLUSH OF ROOF CATCHMENT DIVERTED/DISCARDED BEFORE ENTERING THE TANK;
  - c) MOSQUITO-PROOF SCREENS OF BRASS, COPPER, ALUMINIUM, OR STAINLESS STEEL GAUZE NOT COARSER THAN 1Mmm APERTURE;
  - d) FLAP VALVES AT EVERY OPENING;
  - e) A VERMIN TRAP.
5. TANKS MUST PROVIDE A CONTINUOUS SUPPLY BY:
  - a) AN AUTOMATIC SWITCHING DEVICE PROVIDING SUPPLEMENTARY WATER FROM THE RETICULATED TOWN SUPPLY, OR;
  - b) A TRICKLE TOP UP SYSTEM FROM THE RETICULATED TOWN SUPPLY AT A MINIMUM FLOW OF 2L/MINUTE AND A MAXIMUM FLOW RATE OF 4L/MINUTE.
  - c) A MINIMUM STORAGE VOLUME OF THE RETICULATED TOWN WATER SUPPLY TOP UP NOT EXCEEDING 1000L
6. A BACKFLOW PREVENTION DEVICE IS TO BE CONNECTED TO THE STORMWATER SYSTEM IN ACCORDANCE WITH LOCAL GOVERNMENT REQUIREMENTS.
7. IF ROOFWATER IS PUMPED TO A RAINWATER TANK VIA A SEALED DOWNPIPE:
  - a) A SYSTEM TO BLEED WATER FROM THE DOWNPIPE INTO THE APPROVED OVERFLOW SYSTEM MUST BE PROVIDED TO PREVENT STAGNANT WATER FROM BEING HELD IN THE DOWNPIPE
  - b) AN INSPECTION OPENING MUST BE PROVIDED FOR MAINTENANCE AND CLEANING
8. MATERIALS USED IN THE RAINWATER TANKS MUST COMPLY WITH THE ACCEPTABLE SOLUTIONS OF THE QUEENSLAND DEVELOPMENT CODE

 ROOF CATCHMENT AREA  
= 125m<sup>2</sup>