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| <p>① Rainwater collection point (roof drains, gutters, etc)</p> <p>② Rainwater enters the vortex filter and is processed. (Possible 90% diverted to storage tank.)</p> <p>③ Remaining water from vortex filter to overflow</p> | <p>④ Smoothing inlet – stainless steel “flow-calming” device to eliminate turbulence of the incoming water as it enters the tank</p> <p>⑤ Floating stainless steel suction filter</p> <p>⑥ Submersible feed pump operating at 45 psi</p> <p>⑦ Low water cut off float switch</p> | <p>⑧ Overflow</p> <p>⑨ Pressure tank</p> <p>⑩ Check valve</p> <p>⑪ Domestic water supply</p> <p>⑫ Backflow prevention device</p> | <p>⑬ Pressure regulator valve set at 30 psi</p> <p>⑭ Pressure gauge</p> |
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RAINWATER HARVESTING SYSTEM DETAIL