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

**RAINWATER HARVESTING SYSTEM DETAIL**