RAINWATER HARVESTING SYSTEM DETAIL

1. Rainwater collection point (roof drains, gutters, etc)
2. Intek Purain hydraulic jump prefilter (Possible 97% collected)
3. QCS Cistern
4. Smoothing inlet – flow-calming device to eliminate turbulence from incoming water
5. Cistern overflow/return reject – pipe to storm drain or BMP
6. Floating stainless steel suction filter
7. Cistern level sensor – 4-20 mA output
8. Transfer pump controlled by day tank level + daily transfer @ 4 a.m.
9. Check valve
10. Auto-Self-Cleaning Sediment Filter
11. ATS UV Sterilizer
12. Day tank level sensor – 4-20 mA
13. Building pump
14. Nonslam check valve
15. Hydro-accumulator tank
16. Day tank overflow (pipe to storm drain or BMP)
17. Control panel fills buffer tank daily, and as required, maintains building pressure.
18. Floating stainless steel suction filter
19. Cistern level sensor 4-20 mA output
20. Transfer pump controlled by day tank level + daily transfer @ 4 a.m.
21. Check valve
22. Judo Self-Cleaning Sediment Filter
23. Hydro-accumulator tank
24. Day tank overflow (pipe to storm drain)
25. Control panel fills buffer tank daily, and as required, maintains building pressure.
26. Day tank level sensor – 4-20 mA
27. Building pump
28. Nonslam check valve
29. Hydro-accumulator tank
30. Day tank overflow (pipe to storm drain)
31. Control panel fills buffer tank daily, and as required, maintains building pressure.
32. City Water Supply at Design Pressure + 10 psi minimum
33. Approved backflow prevention device
34. Gauge
35. Actuated valve controlled by day tank level
36. Sediment filter backwash to storm drain

For pricing contact 404-991-0404