



PLAN CHECK CORRECTION SHEET FOR NON-POTABLE RAINWATER CATCHMENT SYSTEMS 2017 LAPC

This is intended to provide uniform application of the codes by the plan check staff and to help the public apply the codes correctly.

Section: Mechanical Plan Check

Plan Check/PCIS Application No.:

Date:

Job Address:

Applicant Name:

Address:

Phone:

City/State/Zip:

E-mail:

Plan Check Engineer:

Telephone:

E-mail:

firstname.lastname@lacity.org

Your feedback is important; please visit our website to complete a Customer Survey at www.ladbs.org/LADBSWeb/customer-survey.jsf.

If you have any questions or need clarification on any plan check matters, please contact a plan check supervisor or call our Customer Hotline at (213) 482-0056.

Your plans have been examined and the issuance of a permit is withheld for the reasons set forth. The approval of plans and specifications does not permit the violation of any section of the Code, or other local ordinance or state law.

INSTRUCTIONS:

- Corrections with circled item numbers apply to this plan check.
- Additional corrections are at the end of the list.
- Incomplete or non-legible drawings or calculations will not be accepted.
- Incorporate all comments as marked on the checked set of plans and calculations and this correction sheet.
- For each correction indicate the sheet number and detail or note number on the plans where the corrections are made.
- **WHEN YOU HAVE COMPLIED WITH ALL CORRECTIONS, CALL OR EMAIL THE PLAN CHECK ENGINEER TO MAKE AN APPOINTMENT FOR VERIFICATION**
- **PLEASE BRING THE MARKED UP PLANS AND THE CORRECTIONS SHEET TO THE VERIFICATION APPOINTMENT**

SEE MARKED UP PLANS FOR CLARIFICATIONS OF CORRECTIONS.

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request will provide reasonable accommodation to ensure equal access to its programs, services and activities.

GENERAL REQUIREMENTS

A. NOTES ON PLANS

1. Plans shall bear, on every sheet, the registration or license number and signature of an architect, contractor, or engineer, registered in the appropriate classification by the State of California. (State of California Business and Professional Code Div. 3, Chap. 7, Art. 3, Sec. 6735.4; LAPC 101.5.2; LAPC 101.5.6; LAPC 103.2.1)
2. Show the job address on each sheet of the plans. (LAPC 101.5.1; LAPC 103.2.2)
3. Indicate on the plans the scope of the work to be done. (LAPC 103.2.2)
4. Provide an approved "Request for Modification of Building Ordinances" form to allow plans at a scale smaller than 1/8 inch per foot. (LAPC 101.5.4; LAPC 103.2.2)

RAINWATER CATCHMENT SYSTEM

A. PLAN DETAILS

5. Specify what approved uses the rainwater catchment system is intended to supply. (LAPC 1602.1)
6. Provide approval from the Los Angeles County Department of Public Health (DPH) Cross Connection Control Unit. Incorporate DPH's requirements into the drawings. DPH is located at 5050 Commerce Dr., Room 116, Baldwin Park, CA 91706, Telephone number (626) 430-5290. (LAPC 1602.4; LAPC 1601.0)
7. The water supply connection shall be protected by an air gap or reduced pressure principle backflow preventer. (LAPC 1602.4)
8. Specify the piping materials for the water supply and distribution system. (LAPC 1602.7.1)
9. Specify the piping materials for the rainwater catchment distribution system. (LAPC 1602.7.2)
10. Provide a complete riser diagrams for the rainwater catchment system. (LAPC 101.5.3; LAPC 103.2.1)
11. The riser diagram shall show all rainwater drains, gutters, conductors, leaders, all fixtures or devices served, the pipe sizes, the loads on all pipes, pressure regulators, backflow prevention devices, pumps, storage tanks, and all cross connections to the potable water system. (LAPC 101.5.3; LAPC 103.2.1)
12. Indicate on the riser diagram the area (ft²) covered

by each drain. (LAPC 101.5.3; LAPC 103.2.2; LAPC 1602.6)

13. Indicate the load of the rainwater catchment system. All loads including but not limited to, plumbing fixtures, irrigation load, make up water for cooling towers, and any other approved uses. (LAPC 101.5.3; LAPC 103.2.1)
14. An approved pressure regulating valve (PRV) shall be installed to reduce the water pressure at any fixture to 80 psi or less. (LAPC 1602.9.6)
15. Show make(s), model(s) and size(s) of the PRV(s) on the plans. (LAPC 101.5.3; LAPC 103.2.1; LAPC 1602.9.6)
16. Provide a copy of the manufacturer's catalog for the PRV(s) used showing pressure drop through them. (LAPC 1602.9.6)
17. Show make, model and size of the RP on the plans. (LAPC 101.5.3, LAPC 103.2.1; LAPC 1602.4)
18. Provide a copy of the manufacturer's catalog for the RP used showing pressure losses. (LAPC 101.5.1; LAPC 103.2.1; LAPC 1602.4)
19. Indicate the type, size and capacity of the rainwater storage tank(s). (LAPC 103.2.2; LAPC 1602.9.5)
20. Provide manufacturers cut sheet showing that the tank is listed by a City of Los Angeles recognized testing agency. (LAPC 103.2.2; LAPC 1602.9.5)
21. Provide an overflow outlet for the rainwater storage tank. (LAPC 1602.9.5.5)
22. Indicate the size and slope of the overflow outlet. (LAPC 1602.9.5.5)
23. Where discharging to the storm drainage system, the overflow drain and tank drain shall be protected from backflow of the storm drainage system by a backwater valve of other approved method. (LAPC 1902.9.5.5)
24. Provide a vent for the rainwater tank. (LAPC 1602.9.5.8)
25. State make, model, rated pressure, and g.p.m. of the water pump(s). (LAPC 103.2.1; LAPC 608.1)
26. Provide the pump performance curve for the water pump(s) being used. (LAPC 103.2.1)
27. The minimum water quality shall meet the requirements of Table 1602.9.4. (LAPC 1602.9.4)
28. Provide manufacture's cut sheet for all equipment used to treat rainwater showing that it all equipment is listed by a city of Los Angeles certified testing

Agency for the intended application. (LAPC 1602.9.8)

29. Provide a debris removal device. (LAPC 1602.9.10)
30. Provide product literature for the debris removal device. (LAPC 1602.9.10)
31. Provide a filter permitting the passage of particulates not larger than 100 microns. (LAPC 1602.9.11)

B. CALCULATIONS

32. Provide hydraulic calculations for sizing the rainwater catchment system. Applies only to rainwater catchment systems used to supply fixtures. (LAPC 103.2.1; LAPC 610.0; LAPC Appendix A)
33. The minimum water pressure supplied to the most remote fixture shall be not less than the requirements of that fixture and not less than 15 PSI, whichever is higher. (LAPC 1602.9.6)
34. Provide pipe sizing charts for each zone. (LAPC 103.2.1; LAPC 103.2.2)
35. For each down-feed zone, provide calculations for the highest and lowest floors in the zone to show that the pipe sizing chart is adequate for every floor in the zone and that no more than 80 psi is delivered to any point in the zone. (LAPC 1602.9.6)

