



**PLAN CHECK CORRECTION SHEET
NON-POTABLE RAINWATER CATCHMENT SYSTEM
2023 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.

GENERAL REQUIREMENTS

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

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 1601.7; LAPC 1602.4; LAPC 1601.0)
7. Rainwater Catchment systems shall have no direct connection to a potable water supply or alternate water source system (LAPC 1602.4)
8. Potable water, on-site treated nonpotable gray water, or reclaimed (recycled) water, is permitted to be used as makeup water rainwater catchment system provided the connection is protected by an air gap in accordance with the LAPC. (LAPC 1602.4 Exception (1))
9. Specify the piping materials for the water supply and distribution system. (LAPC 1602.7.1)

10. Specify the piping materials for the rainwater catchment drainage system. (LAPC 1602.7.2)
11. Provide a complete riser diagram for the rainwater catchment system. (LAPC 101.5.3; LAPC 103.2.1)
12. 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)
13. Indicate on the riser diagram the tributary area (ft²) covered by each drain. (LAPC 101.5.3; LAPC 103.2.2; LAPC 1602.6)
14. Indicate all loads of the rainwater catchment system including but not limited to, plumbing fixtures, irrigation loads, make up water for cooling towers, and any other approved uses. (LAPC 101.5.3; LAPC 103.2.1)
15. An approved pressure regulating valve (PRV) shall be installed to reduce the water pressure at any fixture to 80 psi or less. (LAPC 1603.14)
16. Show make(s), model(s) and size(s) of the PRV(s) on the plans. (LAPC 101.5.3; LAPC 103.2.1; LAPC 1603.14)
17. Provide a copy of the manufacturer's catalog for the PRV(s) used showing pressure drop through them. (LAPC 103.2(6); LAPC 101.5.1; 1603.14)
18. Indicate the type, size and capacity of the rainwater storage tank(s). (LAPC 103.2.2; LAPC 1603.0)
19. Provide manufacturers cut sheet showing that the tank is listed by a City of Los Angeles recognized testing agency. (LAPC 103.2.2; LAPC 1603.0; LAPC 301.2)
20. Provide an overflow outlet for the rainwater storage tank. (LAPC 1603.10)
21. Indicate the size and slope of the overflow outlet. The overflow outlet shall be sized to accommodate the flow of the rainwater entering the tank and not

less than the aggregate cross-sectional area of the inflow pipes. (LAPC 1603.10.1)

22. 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 1603.10)
23. State make, model, rated pressure, and g.p.m. of the water pump(s). (LAPC 103.2.1; LAPC 1603.14,)
24. Provide the pump performance curve for the water pump(s) being used. (LAPC 103.2.1)
25. The minimum water quality shall meet the requirements of Table 1603.5. (LAPC 1601.7)
26. Provide manufacture's cut sheet for all equipment used to treat rainwater showing that all equipment is listed by a City of Los Angeles certified testing Agency for the intended application. (LAPC 1603.16)
27. Provide a debris removal device. (LAPC 1603.18)
28. Provide product literature for the debris removal device. (LAPC 1603.18)
29. Provide a filter permitting the passage of particulates not larger than 100 microns. (LAPC 1603.19)

CALCULATIONS

30. 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)
31. 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 1603.14)
32. Provide pipe sizing charts for each zone. (LAPC 103.2.1; LAPC 103.2.2)
33. 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 1603.14)

