

CHAPTER 12

ALTERNATE DESIGNED PLUMBING SYSTEMS



1201 GENERAL

Approval of alternate designed plumbing systems will be considered on an individual basis.

1202 REQUIREMENTS FOR APPROVAL

1202.1 Plans and Specifications

Plans and specifications for any proposed alternate designed plumbing system shall be submitted to the State Health Officer for review and approval prior to construction. Such plans and specifications shall be appropriately sealed and signed by a Louisiana Registered Professional Engineer registered in either civil or mechanical engineering.

1202.2 Responsibility of Professional Engineer

The Professional Engineer referenced in 1202.1 shall be responsible for:

1. certifying the system design,
2. inspecting the system during installation,
3. certifying that the installed system is in compliance with the design specifications,
4. supervising any test(s) performed on the system, and
5. certifying the results of any required testing.

1202.3 Owner's Notice

Any permits issued for an alternate designed plumbing system shall be issued only after the owner of the building has assured the State Health Officer in writing that he is aware of the third party notification requirements of 1204. In addition, any permits issued for work requiring a performance test shall be issued only after the owner of the building has assured the State Health Officer in writing that he is also aware of the testing requirements of 1203.

1203 TESTS

1203.1 General Testing Requirements

The State Health Officer and/or the local Plumbing Official may also require tests to be conducted prior to occupancy to assure that the proposed design is satisfactory and complies with the intent of this code. Such tests shall be made in accordance with approved standards, but in the absence of such standards, the State Health Officer and/or the local Plumbing Official shall specify the test procedure(s). In general, such tests shall indicate that all fixtures properly discharge when flushed simultaneously with not less than 1 inch (25.4mm) of water seal left in the trap after testing and that there is no evidence of sewer gas passing through the trap seal.

1203.2 Roughing-In. The roughing-in test shall be as provided for in other chapters of this code.

1203.3 Tests and Inspection of the Single Stack Discharge and Ventilating Pipe System

1203.3.1 Performance Test Required. In any building in which fixtures or appliances, other than those specifically provided for in Table L104.5A, are to be installed or in existing buildings in which the single stack system exists and additional fixtures are to be added, the plumbing official shall require and supervise a performance test as hereafter provided.

1203.3.2 Application and Restrictions. When required in new construction, the system shall successfully pass the test before the building is permitted to be occupied. In existing buildings where piping is added for additional fixtures or appliances, such new piping shall not be placed in service until the performance test is approved. Should the system fail to pass the test, the new construction shall be modified as the plumbing official may direct, or the system shall be reconstructed to meet the requirements of other chapters of this code, or the added fixtures and appliances shall be removed and all waste and vent pipes permanently closed so as to form no dead ends and all wall and other openings shall be put back in their original or finished condition.

EXCEPTION: Central washing facilities connected separately to the building drain or sewer in an installation that is otherwise constructed in accordance with other chapters of this code are exempt from the performance test.

1203.3.3 Performance Test. Every trap shall retain not less than 1 inch (25.4 mm) of seal when subjected to the appropriate discharge tests given below. These tests are designed to simulate the probable worst conditions in practice. Each test should be repeated three times, the trap being recharged before each test, and the maximum loss of seal in any one test, measured by a dip stick, shall be taken as the significant result. The number of fixtures to be discharged simultaneously when investigating the effect of the flow of water down the stack depends on the number of fixtures and on the frequency with which they are used. The number of fixtures to be discharged simultaneously is given in Table L104.11.

1203.3.4 Test for Self-Siphonage. To test for the effect of self-siphonage, the waste fixture shall be filled to overflowing level and discharged in the normal way. The seal remaining in the trap shall be measured when the discharge has finished. This test is most important for wash basins, but it is not applicable for water closets which shall be flushed in the normal manner.

1204 THIRD PARTY NOTIFICATION

After installation of any alternate designed plumbing system, the owner shall notify third parties of its existence by having a document recorded in the Clerk of Court's conveyance records in the parish in which such alternate designed plumbing system has been installed. The document so recorded shall reference a prior conveyance record (COB/folio) of the parcel of ground upon which the alternate designed plumbing system is located (*e.g.*, the conveyance recording a previous Act of Sale of the parcel of ground). The document will state that the plumbing of the building located on this particular parcel of ground contains an "alternate designed plumbing system" which cannot be modified in any manner by future owners/lessees without first obtaining an approval of such proposed modifications from the State Health Officer in accord with the requirements of Chapter 12 (Alternate Designed Plumbing Systems) of the Louisiana State Plumbing Code. Proof of recordation shall be provided to the State Health Officer and the local Plumbing Official prior to issuance of a building occupancy permit.