



**SUPPLEMENTAL CORRECTION SHEET  
FOR ENCLOSED PARKING GARAGE VENTILATION  
(NOT INTENDED FOR AUTO REPAIR)  
2014 LAMC & 2013 TITLE 24 PART 6**

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

**Plan Check/PCIS Application No.:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Job Address:** \_\_\_\_\_

**Applicant Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_ **Phone:** \_\_\_\_\_

**City/State/Zip:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Plan Check Engineer:** \_\_\_\_\_

(Print first/last name)

**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](http://www.ladbs.org/LADBSWeb/customer-survey.jsf).**

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 ALL THE CORRECTIONS, PHONE OR EMAIL THE PLAN CHECK ENGINEER TO MAKE AN APPOINTMENT FOR VERIFICATIONS**
- **PLEASE BRING THE MARKED UP PLANS AND THE CORRECTIONS SHEET TO THE VERIFICATION APPOINTMENT**

## SEE MARKED UP PLANS FOR CLARIFICATIONS OF CORRECTIONS.

1. Plans shall bear the license number and signature of an architect, engineer or contractor licensed in the appropriate discipline. (Chap. 7, Div. 3, Business and Professional Code, Art. 2, Sec. 6735.4; LAMC 112.2(8))
2. Show job address on plans. (LAMC 112.3.1.2)
3. Plans shall be clearly legible, and at a scale no smaller than 1/8 inch per foot. (LAMC 112.2(4))
4. Show equipment schedule on the plans. (LAMC 112.2; 112.3(1)(D))
5. Show location, size, gages, and materials of all ducts and openings (LAMC 601.2; 602.1; 112.3(1)(B); Table 506.2(1))
6. Ducts shall be constructed in accordance with Chapter 6 of the Uniform Mechanical Code. (LAMC 601.1)
7. Provide a note on the plans stating that the garage ventilation system shall operate continuously. (LAMC 403.9)
8. Provide make-up air to replenish the air exhausted.(LAMC 505.3)
9. *Show how the garage ventilation system is designed to automatically detect contaminant levels and modulate fan airflow rates to 50 percent or less of design capacity. (Title 24 Part 6 120.6(c))*
10. *CO sensors shall be distributed so that each CO covers a maximum of 5000 square foot of garage area. (Title 24 Part 6 120.6(c))*
11. *Provide a note on the plans stating that the CO sensors will be located in the highest expected CO concentration locations. (Title 24 Part 6 120.6(c))*
12. *Provide at least two CO sensors in areas isolated by walls or obstructions. (Title 24 Part 6 120.6(c))*
13. *Provide a note on the plans stating that CO concentration at all sensors shall be maintained at 25 ppm or less at all times. (Title 24 Part 6 120.6(c))*
14. *Show that all occupied areas in the garage are maintained at positive or neutral pressure relative to the garage space. (Title 24 Part 6 120.6(c))*
15. *Specify the make and model number of the carbon monoxide detectors. Provide product literature showing that the accuracy of the CO sensors is within 5% of the measurement. (LAMC 403.9.2; Title 24 Part 6 120.6(c))*
16. The ventilation rate shall be at least 0.15 cfm/ft<sup>2</sup> when the garage is scheduled to be occupied. (Title 24 Part 6 120.6(c))
17. Provide verification that the carbon monoxide (CO) detectors are approved by the City of Los Angeles or a City of Los Angeles recognized listing agency. (LAMC 403.9.2)
18. Provide approved architectural plans showing the number of parking spaces. (LAMC 403.9.1.1)
19. Show the make, model, volume rate, horse power, and weight of each fan on the equipment schedule. (LAMC 112.3(1)(D))
20. Provide a floor plan showing location of all exhaust and make-up air ducts, fans, and air inlets and outlets. (LAMC 112.3(1)(C))
21. Since your design is based on the alternative exhaust ventilation method as described in Section 403.9.1, the exhaust air inlets shall be distributed so that no portion of the garage is more than 50 feet from an exhaust air inlet or

- provide calculations and analysis based on principles of engineering and mechanics showing that the proposed air inlet distribution provides adequate ventilation. (LAMC 403.9.1.2)
22. Provide an elevation detail showing the location of the exhaust air inlets or provide a note on the plans stating that the exhaust air inlets shall be located as stated in Section 403.9.1.2. The exhaust air inlets shall be located so that the highest elevation of the exhaust air inlet is no greater than 12 inches below the ceiling level (LAMC 403.9.1.2)
  23. Provide roof plans showing the location of all roof equipment. (LAMC 112.3(1)(C)); 304.1.1)
  24. Show the termination of the garage exhaust. Exhaust outlets shall terminate not less than 10 feet from property line or center line of a public alley or street, 3 feet from exterior wall or roof, 10 feet from openings into the building, 10 feet above adjoining grade. (LAMC 506.9.2)
  25. Separate the garage ventilation from all other ventilation systems. (LAMC 505.1.1)
  26. Ducts shall be made out of metal or poured in place concrete, dry wall is not acceptable. (LAMC 506.1)
  27. Since the fan room is used as a plenum, the fan room walls shall be made of poured concrete and the fan room door shall be lined with sheet metal. (LAMC 602.1)
  28. Specify the fire rating of the exhaust shaft. If the shaft is less than 2 hr. rated, provide combination smoke/fire dampers where the garage exhaust ducts penetrate the fire-rated shaft. (LABC 717.5.3)
  29. In lieu of combined smoke/fire dampers, provide a dedicated 2 hr. shaft. (LABC 717.5.3 Exception 1.4)
  30. Provide calculations showing that the exhaust fan is capable of uniformly exhausting 0.75 cfm per square foot of gross area of the garage. (LAMC Table 403.7)
  31. Provide calculations for the exhaust rate based on the minimum exhaust rate based on the number of operating vehicles based on the following formula:
    - a. Exhaust Rate = (No. of Parking Spaces) x 0.025x14,000 cfm
    - b. The minimum exhaust rate calculated with the above formula shall not be less than 14,000 cfm. (LAMC 403.9.1)
  32. Provide approved structural plans showing that the roof is designed to withstand all dead loads and required live loads. (LAMC.303.9)
  33. Review the attached document titled "*Standard Corrections List - Garage Ventilation CFD Modeling*". Provide the information required and complete all applicable forms. (LAMC 403.9.1.2)

ADDITIONAL CORRECTIONS

CODE SECTION


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