



# SUPPLEMENTAL PLAN CHECK CORRECTION SHEET FOR SOUND TRANSMISSION (2020 LABC)

Plan Check #: \_\_\_\_\_ Permit Application Number: \_\_\_\_\_

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

Plan Check Engineer: \_\_\_\_\_ Phone: \_\_\_\_\_

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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).

This is a supplemental correction sheet. Please see the master correction sheet for instructions and additional information.

If you have any questions or need clarification on any plan check matters, please contact your plan check engineer and/or his or her supervisor.

## Review the following checked information bulletins. Revise plans to show compliance (Copies can be obtained at [www.ladbs.org](http://www.ladbs.org)).

P/BC 2020-069 Sound-Rated Partitions and Floor Ceiling Construction

P/BC 2014-074 Sound Insulation Requirements for Noise Sensitive Structures Near LAX

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### PART I: GENERAL REQUIREMENTS

#### A. SOUND SEPARATION REQUIREMENTS

1. Wall and floor-ceiling assemblies separating dwelling units or guest rooms from each other and from public or service areas such as interior corridors, garages and mechanical spaces shall provide airborne sound insulation for walls, and both airborne and impact sound insulation for floor-ceiling assemblies. All such separating walls and floor-ceiling assemblies shall provide an airborne sound insulation equal to that required to meet a sound transmission class (STC) of 50 (Dn of 45 if field tested). All separating floor-ceiling shall provide impact sound insulation equal to that required to meet an impact insulation class (IIC) of 50 (FIIC of 45 if field tested). *1207.6.1, 1207.7, 1207.8*
2. Identify all sound rated partitions on floor plans.
3. Provide construction details showing that sound rated wall assemblies are built to achieve an STC rating of 50. *1207.9*
4. Provide construction details showing that for sound rated floor-ceiling assemblies are built to achieve an IIC and STC rating of at least 50. *1207.9*
5. Construction details shall reference the tested assembly used to achieve the stated STC and/or IIC rating. Tested assemblies listed in the following published documents are acceptable:
  - a. Catalog of STC and IIC Ratings for Wall and Floor-Ceiling Assemblies as published by the California Department of Health Services' Office of Noise Control
  - b. Fire Resistance Design Manual as published by the Gypsum Association
  - c. Information Bulletin P/BC 2020-069 as published by the Los Angeles Department of Building and Safety. *1207.9*
6. Construction details based on tested assemblies conducted by a Los Angeles approved testing agency shall incorporate the corresponding report into the plans. STC ratings shall be tested in accordance with ASTM E90 and E413. ICC ratings shall be tested in accordance with ASTM E492. *1207.7, 1207.8, 1207.9*

#### B. ADD NOTES ONTO PLANS:

1. All rigid conduits, ducts, plumbing pipes, and appliance vents located in sound assemblies shall be isolated from the building construction by means of resilient sleeves, mounts, or a minimum 1/4" thick approved resilient material.
2. Penetrations into sound rated partitions or floor-ceiling assemblies shall be sealed, lined, or insulated with an approved permanent resilient sealant.
3. An approved permanent and resilient acoustical sealant shall be provided along the joint between the floor and the separation walls
4. Carpets or similar surface material which are part of the floor ceiling assembly must be installed and inspected before the Certificate of Occupancy is issued and may be replaced only by other floor covering that provides the required impact sound insulation.
5. Metal ventilating and conditioned air ducts located in sound assemblies shall be lined. (Exception: Ducts serving only exit ways, kitchen cooking facilities, and bathrooms need not be lined).
6. Mineral fiber insulation shall be installed in joist spaces whenever plumbing piping or ducts penetrates a floor ceiling assembly or where such unit passes through the plane of the floor ceiling assembly from within a wall. The insulation shall be installed to a point 12 inches beyond the pipe or duct. This requirement is not applicable to fire sprinkler piping, gas lines or electrical conduits.
7. Electrical outlet boxes in opposite faces of separation walls shall be separated horizontally by 24 inches and note that back and sides of boxes will be sealed with 1/8" resilient sealant and backed by a minimum of 2 inch thick mineral fiber insulation (TV, telephone and intercom outlets must be installed in boxes accordingly).

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

