Energy Efficiency Requirements
• Space conditioning equipment must meet minimum efficiency requirements in the California Code of Regulations (CCR) Title 24
• Ventilation systems must be designed to provide the building with an appropriate amount of outside air required for the building size and illustrated in CCR Title 24 (Parts 1 and 6)

Air Pollution Protection for Sensitive Receptors
• The California Environmental Quality Act (CEQA) requires air pollution mitigation measures (i.e. enhanced ventilation) for sensitive populations in the Air Pollutant Exposure Zone
• Proposed amendment to Article 38 would also require enhanced ventilation if located within the Air Pollutant Exposure Zone consistent with CEQA

Enhanced Ventilation Technology
• Central forced air furnace system with MERV 13 filtration and make-up air drawn from outside
• Exhaust only systems are not compliant with Article 38.
• Either supply only or balanced airflow system with MERV 13 filtration

Project Examples
• “Green Dream” building projects are energy efficient single family homes complete with supply only ventilation systems with MERV 13 filtration

Energy Efficiency Requirements
• Space conditioning equipment must meet minimum efficiency requirements in the California Code of Regulations (CCR) Title 24
• Ventilation systems must be designed to provide the building with an appropriate amount of outside air required for the building size and illustrated in CCR Title 24 (Parts 1 and 6)

Air Pollution Protection for Sensitive Receptors
• The California Environmental Quality Act (CEQA) requires air pollution mitigation measures (i.e. enhanced ventilation) for sensitive populations in the Air Pollutant Exposure Zone
• Proposed amendment to Article 38 would also require enhanced ventilation if located within the Air Pollutant Exposure Zone consistent with CEQA

Enhanced Ventilation Technology
• Central forced air handling system with MERV 13 filtration and an outside air intake
• Individual units may instead have their own stand-alone forced air furnace system with MERV 13 filtration

Project Examples
• A single point supply and exhaust system with MERV 13 filtration and balanced supply and exhaust flows – 1099 23rd Street

Energy Efficiency Requirements
• Space conditioning equipment must meet minimum efficiency requirements in the California Code of Regulations (CCR) Title 24
• Natural or mechanical ventilation must be designed to provide the building with an appropriate amount of outside air required for the building size and illustrated in CCR Title 24 (Parts 1 and 6)

Air Pollution Protection for Sensitive Receptors
• The California Environmental Quality Act (CEQA) requires air pollution mitigation measures (i.e. enhanced ventilation) for sensitive populations in the Air Pollutant Exposure Zone
• Currently part of Article 38 (10 or more units) if the site is on the screening map and modeling exceeds the PM2.5 action level.
• Proposed amendment to Article 38 would require enhanced ventilation if located within the Air Pollutant Exposure Zone consistent with CEQA

Enhanced Ventilation Technology
• Central forced air handling system with MERV 13 filtration and an outside air intake
• DBI Permit applicants have also demonstrated the use of heat pump technology where the air intakes of each unit have MERV 13 filtration

Project Examples
• Heat pumps per unit with MERV 13 filtration - 45 Lansing Street (pictured)
• Central air handlers with MERV 13 - 344 Fulton Street

1 By achieving consistency with CEQA, compliance with Article 38 will help a project obtain a categorical exemption, thereby allowing developers to avoid costs and time associated with CEQA (assuming no other significant environmental effects).
2 Collaboration project between the US Department of Energy’s Building America Program and the Building Science Corporation in New Orleans, LA.
3 Low rise and high rise residential buildings do not include hotels/motels. For specific Occupancy Groups covered see CCR Title 24 Part 6.