



## DEPARTMENT OF BUILDING INSPECTION

City & County of San Francisco

1660 Mission Street, San Francisco, California 94103-2414

January 19, 2005

Scott Roberts  
AC Energy Systems, Inc.  
224 Birmingham Dr. #1A2  
Cardiff, CA 92007-1752

Re: Request for Clarification of UBC Section 705(b)2

Dear Mr. Roberts:

This is in response to a letter from Maybeth Rothery, dated November 12, 2004, and your telephone call of January 11, 2005, requesting a clarification of Uniform Building Code (UBC) Section 705(b) 2, regarding mechanical ventilation systems in parking garages.

UBC Section 705(b) 2 corresponds to 2001 California Building Code (CBC) Section 1207.2.7, Group S, Division 3, parking garages. This section applies to those parking garages used for the storage or handling of automobiles operating under their own power, and that are not open parking garages providing natural ventilation as described in CBC Section 311.9.2.2.

Such enclosed parking garages shall be provided with a ventilation system that is capable of exhausting a minimum of 1.5 cu. ft. per minute (cfm) per square foot ( $0.761 \text{ L/s/m}^2$ ) of gross floor area. This ventilation system shall maintain a maximum average concentration of carbon monoxide of 50 parts per million during any eight-hour period, with a maximum concentration not greater than 200 parts per million for a period not exceeding one hour. Automatic carbon monoxide-sensing devices may be used to modulate the ventilation system to assure that the above carbon monoxide levels are not exceeded; otherwise, the approved mechanical ventilation system shall operate continuously for 24 hours a day, each day,

If you have any further questions, please call me at (415) 558-6004.

Sincerely,

Alan Tokugawa  
Code Analyst  
Technical Services Division

Cc: Laurence Kornfield, Chief Building Inspector, TSD  
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