



Proposed Code Change
State Form 41186R

RETURN TO:
INDIANA DEPARTMENT OF HOMELAND SECURITY
CODE SERVICES SECTION
302 W. Washington Street Room W246
Indianapolis, IN 46204

FOR OFFICE USE ONLY
Received
Code

INSTRUCTIONS:

Only TYPED copy accepted.

(KEY – Dashed line through material to be deleted, underline material to be added)

Use second sheet for any material requiring more space.

Code Title IMC		Edition 2006
Section number and title 502.16.1 Design		Page 39
Proponent Michael J. Koppes	Title Fire Protection Engineer	
Address 401 South Grant Street, West lafayette, IN 47907-2024		Phone 765-494-1427
PROPOSED CODE CHANGE (Check One)		
<input type="checkbox"/> Change to read as follows <input type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution		
<p>502.16 Repair garages for natural gas- and hydrogen-fueled vehicles. Repair garages used for the repair of natural gas- or hydrogen-fueled vehicles shall be provided with an approved mechanical ventilation system. The mechanical ventilation system shall be in accordance with Sections 502.16.1 and 502.16.2. Exception: Where approved by the code official, natural ventilation shall be permitted in lieu of mechanical ventilation.</p> <p>502.16.1 Design. Indoor locations shall be ventilated utilizing air supply inlets and exhaust outlets arranged to provide uniform air movement to the extent practical. Inlets shall be uniformly arranged on exterior walls near floor level. Outlets shall be located at the high point of the room in exterior walls or the roof. Ventilation shall be by a continuous mechanical ventilation system or by a mechanical ventilation system activated by a continuously monitoring natural gas detection system, or for hydrogen, a continuously monitoring flammable gas detection system, each activating at a gas concentration of 25 percent of the lower flammable limit (LFL). In all cases, <u>the system shall shut down the fueling system in the event of failure of the ventilation system.</u> The ventilation rate shall be at least 1 cubic foot per minute per 12 cubic feet [0.00138m³/(s *m³)] of room volume.</p>		
REASON		
<p>If this is a repair garage , is it the intent of the code to require the fueling system of the vehicle to be interlocked with the building ventilation.</p>		
REVIEW RECOMMENDATION		
Approve		
Disapprove		
Approve as amended		
Further Study		