2009 International Mechanical Code Errata

1ST, 2ND, AND 3RD PRINTING (Updated September 21, 2010)

CHAPTER 3
GENERAL REGULATIONS

[FG] 304.5 Hydrogen-generating and refueling operations. Ventilation shall be required in accordance with Section 304.5.1, 304.5.2 or 304.5.3 in public garages, private garages, repair garages, automotive ~~service stations~~ motor fuel-dispensing facilities and parking garages that contain hydrogen-generating appliances or refueling systems. For the purpose of this section, rooms or spaces that are not part of the living space of a *dwelling unit* and that communicate directly with a private garage through openings shall be considered to be part of the private garage.

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CHAPTER 4
VENTILATION

403.3.2.2 100-percent outdoor air systems. Where one air handler supplies only outdoor air to one or more zones, the system outdoor air intake flow rate (v_{ot}) shall be determined using Equation 4-4.

~~$V_{ot}=3_{\text{all zones}}V_{ot}$~~ $V_{ot}=\sum_{\text{all zones}}V_{ot}$ **Equation 4-4**

403.3.2.3.3 Uncorrected outdoor air intake. The uncorrected outdoor air intake flow rate (V_{ou}) shall be determined in accordance with Equation 4-6.

~~$V_{ou}=D3_{\text{all zones}}R_pP_z+3_{\text{all zones}}R_aA_z$~~ $V_{ou}=D\sum_{\text{all zones}}R_pP_z+\sum_{\text{all zones}}R_aA_z$ **Equation 4-6**

(No change to remainder of text)

TABLE 403.3
MINIMUM VENTIALATION RATES

OCCUPANCY CLASSIFICATION	PEOPLE OUTDOOR AIRFLOW RATE IN BREATHING ZONE R_p CFM/PERSON	AREA OUTDOOR AIRFLOW RATE IN BREATHING ZONE R_a CFM/$T^{2\,a}$	DEFAULT OCCUPANT DENSITY #/1000 $FT^{2\,a}$	EXHAUST AIRFLOW RATE CFM/$FT^{2\,a}$

(No change to portion of Table not shown)

(Variable "R_p" has been added after Zone in the 2nd Heading Column)

404.2 Minimum ventilation. Automatic operation of the system shall not reduce the ventilation airflow rate below 0.05 cfm per square foot (0.00025 $m^3/s \cdot m^2$) of the floor area and the system shall be capable of producing a ventilation airflow rate of 0.75 cfm per square foot (~~0.0076~~ 0.0038 $m^3/s \cdot m^2$) of floor area.

CHAPTER 5
EXHAUST SYSTEMS

[F] 502.10.1 Where required. Exhaust ventilation systems shall be provided in the following locations in accordance with the requirements of this section and the *International Building Code.*

(Items 1-6 remain unchanged)

7. Gas rooms: Exhaust ventilation for gas rooms shall comply with Section 502.8.2. Exhaust ventilation for gas ~~cabinets~~ rooms containing highly toxic or toxic gases shall also comply with section 502.9.7 and 502.9.8.
8. Cabinets containing pyrophoric liquids or Class 3 water-reactive liquids: Exhaust ventilation for cabinets in fabrication areas containing pyrophoric liquids shall be as required in Section 1805.2.3.4 of the *International Fire Code*.

CHAPTER 6
DUCT SYSTEMS

607.5.1 Fire walls. Ducts and air transfer openings permitted in fire walls in accordance with Section ~~705.11~~ 706.11 of the *International Building Code* shall be protected with *listed* fire dampers installed in accordance with their listing.

CHAPTER 11
REFRIGERATION

1105.8 Ammonia discharge. Pressure relief valves for ammonia systems shall discharge in accordance with ASHRAE 15.

[F] ~~1105.~~8 1105.9 Emergency pressure control system. *(No change to text)*

CHAPTER 15
REFERENCED STANDARDS

UL

UL1479–03 ..... Fire Tests of Through-penetration Firestops – with Revisions through April 2007 ..... 506.3.10.2, 506.3.10.3

UL2043–08 ..... Fire Test for Heat and Visible Smoke Release for Discrete Products and their Accessories Installed in Air-handling Spaces 504.6.3

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CHAPTER 4
VENTILATION

403.3.2 System outdoor airflow. The outdoor air required to be supplied by each ventilation system shall be determined in accordance with Section 403.3.2.1 through ~~403.2.3~~ 403.3.2.3 as a function of system type and zone outdoor airflow rates.

CHAPTER 5
EXHAUST SYSTEMS

[F] 513.11 Power systems. The smoke control system shall be supplied with two sources of power. Primary power shall be the normal building power systems. Secondary power shall be from an *approved* standby source complying with Chapter 27 of the *International Building Code.* The standby power source an its transfer switches shall be in a room separate from the normal power transformers and switch gear and ventilated directly to and from the exterior. The room shall be enclosed with not less than 1-hour fire-resistance-rated fire barriers constructed in accordance with Section 707 of the *International Building Code* or horizontal assemblies constructed in accordance with Section 712 of *the International Building Code,* or both. Power distribution from the two sources shall be by independent routes. Transfer to full standby power shall be automatic within 60 seconds of failure of the primary power. The systems shall comply with ~~NPFA~~ NFPA 70.

CHAPTER 15
REFERENCED STANDARDS

UL

UL2158A – 2006..... Outline of Investigation for Clothes Dryer Transition Duct 504.6.3