

system where either one or the combination of the substances removed could constitute a fire, explosion or hazardous chemical reaction within the exhaust duct system.

Exhaust ducts penetrating occupancy separations shall be contained in a shaft of equivalent fire-resistance-rated construction. Exhaust ducts shall not penetrate *fire walls*.

Fire dampers shall not be installed in exhaust ducts.

415.8.2.7 Transporting hazardous production materials to fabrication areas.

HPM shall be transported to fabrication areas through enclosed piping or tubing systems that comply with Section 415.8.6.1, through service *corridors* complying with Section 415.8.4, or in *corridors* as permitted in the exception to Section 415.8.3. The handling or transporting of HPM within service *corridors* shall comply with the *UAE Fire & Life Safety Code of Practice*.

415.8.2.8 Electrical. [F]

415.8.2.8.1 General. Electrical equipment and devices within the fabrication area shall comply with *The Electricity Wiring Regulations 2007, Revision 1*, dated January, 2009, as promulgated by the Regulation and Supervision Bureau, Emirate of Abu Dhabi. The requirements for hazardous locations need not be applied where the average air change is at least four times that set forth in Section 415.8.2.6 and where the number of air changes at any location is not less than three times that required by Section 415.8.2.6. The use of recirculated air shall be permitted. [F]

415.8.2.8.2 Workstations. Workstations shall not be energized without adequate exhaust ventilation. See Section 415.8.2.6 for workstation exhaust ventilation requirements. [F]

415.8.3 Corridors. *Corridors* shall comply with Chapter 10 and shall be separated from fabrication areas as specified in Section 415.8.2.2. *Corridors* shall not contain HPM and shall not be used for transporting such materials, except through closed piping systems as provided in Section 415.8.6.3. [F]

Exception: Where existing fabrication areas are altered or modified, HPM is allowed to be transported in existing *corridors*, subject to the following conditions:

1. Corridors. *Corridors* adjacent to the fabrication area where the *alteration* work is to be done shall comply with Section 1018 for a length determined as follows:
 - 1.1. The length of the common wall of the *corridor* and the fabrication area; and
 - 1.2. For the distance along the *corridor* to the point of entry of HPM into the *corridor* serving that fabrication area.
2. Emergency alarm system. There shall be an emergency telephone system, a local manual alarm station or other *approved* alarm-initiating device within *corridors* at not more than 150-foot (45 720 mm) intervals and at each *exit* and doorway. The signal shall be relayed to an *approved* central, proprietary or remote station service or the emergency control station and shall also initiate a local audible alarm.
3. Pass-throughs. Self-closing doors having a *fire protection rating* of not less than 1 hour shall separate pass-throughs from existing *corridors*. Pass-throughs shall be