CHAPTER 6 DUCT SYSTEMS

SECTION 601 GENERAL

601.1 Scope. Duct systems used for the movement of air in air-conditioning, heating, ventilating and exhaust systems shall conform to the provisions of this chapter except as otherwise specified in Chapters 5 and 7.

Exception: Ducis discharging combustible material directly into any *combustion* chamber shall conform to the requirements of NFPA 82.

(B) 601.2 Air movement in egress elements. Corridors shall not serve as supply, return, exhaust, relief or *ventilation air* ducts.

Exceptions:

- Use of a corridor as a source of makeup air for exhaust systems in rooms that open directly onto such corridors, including toilet rooms, bathrooms, dressing rooms, ((smeking lounges)) and janilor closets, shall be permitted, provided that each such corridor is directly supplied with ((outdoor)) air at a rate greater than the rate of makeup air taken from the corridor.
- Where located within a dwelling unit, the use of corridors for conveying return air shall not be prohibited.
- Where located within tenant spaces of 1,000 square feet (93 m²) or less in area, use of corridors for conveying return air is permitted.
- Incidental air movement from pressurized rooms within health care facilities, provided that the corridor is not the primary source of supply or return to the room.
- [W] 5.Where such air is part of an engineered smoke control system.
- [W] 6.Air supplied to corridors serving residential occupancies shall not be considered as providing ventilation air to the dwelling units subject to the following:
 - 6.1 The air supplied to the corridor is one hundred percent outside air; and
 - 6.2 The dwelling units have conforming ventilation air independent of the air supplied to the corridor; and
 - 6.3 For other than high-rise buildings, the supply fan will automatically shut off upon activation of corridor smoke detectors which shall be spaced at no more than 30 feet (9144 mm) on center along the corridor or
 - 6.4 For high-rise buildings, the supply fan will automatically shut off upon activation of

the smoke detectors required by Seattle Fire Code Section 907.2.13.1 or upon receipt of another approved fire alarm signal. The supply fan is not required to be automatically shut off when used as part of an approved building stairwell or elevator hoistway pressurtzation system.

[B] 601.2.1 Corridor ceiling. Use of the space between the corridor ceiling and the floor or roof structure above as a return air *plenam* is permitted for one or more of the following conditions:

- The corridor is not required to be of fire-resistancerated construction;
- The corridor is separated from the plenum by fireresistance-rated construction;

Exception decis poorly worded, down upon activation of the air-handling unit smoke but itempalisations a R

OCCUPATION OF DESCRIPTION OF SPRINGER WATERFOOD WHERE COFFICE OF SUFFICE OF STREET OF

dwelling units, provided the Junits, provided the 3. The space between the corridor celling and the floor corridor stupply systems is a component of an approved engineered smoke control to source and that

ventilation reystems lexistenclosure ventilation shall comply with one of the following items:

"It will be in the constructor of the corridor of the corridor exit enclosure by ductwork enclosed in construction as the rise life safety is addressed by market a correctly and dressed within the exit enclosure, the intake air shall be taken directly passive zone of one of social air shall be smoked through ducts enclosed in construction as

3. Where located within the building, such equipment and **Theubuilding** a**with be "Kenh**dab" and building, including other mechanical equipment, with **OVERBUILDING** pressure at the ng

required by the International Building Code for shafts.

Code for shafts.

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In each case, openings into lire-resistance-rated construcworking being free five for an antenance and operation and shall be protected by self-closing lire-resisreplacement aconaine me sterioronal
Building Code for enclosure wall opening protectives. Exit
Statistics of the construction of the

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