



# Maintenance of Incinerators and Waste and Linen Handling Systems and Equipment

*NFPA 82 Standard on Incinerators and Waste and Linen Handling Systems and Equipment*

Below are several of the requirements highlighted from NFPA 82 in regards to “*Waste and Linen Handling Systems and Equipment*” for Multi-Family Residential Properties.

## Chute Discharge Doors

1. The bottom of a waste chute shall be protected by an approved automatic closing or self-closing door or fire damper of construction that is equivalent to the opening fire protection rating for the chute.
2. The waste chute discharge door shall not be required to have a positive latch.
3. Chute discharge doors or fire dampers shall be permitted to be held open by a fusible link.

## Chute Intake Doors

1. All chute intake doors into a waste chute shall be provided with a self-closing and positive latching fire door assembly
2. All chute intake doors into a linen or waste chute shall be provided with a self-closing, positive-latching and gasketed fire door assembly

## Chute Discharge Rooms

1. Waste chutes shall terminate or discharge directly into a room having a minimum fire resistance rating not less than that specified for the chute enclosure.
2. Opening into a chute discharge room shall be protected by an approved self-closing fire door assembly having a minimum fire protection rating not less than that specified for the chute enclosure

## Chute Intake rooms

1. Every chute intake shall be in a room that is separated from other parts of the building by walls, partitions, floors, and floor-ceiling assemblies having a fire resistance rating of not less than the required rating of the chute enclosure
2. Openings into a chute intake room shall be protected by an approved automatic or self-closing fire door assembly having a fire protection rating as follows:
  - a) 1-1/2-hour fire protection rating for 2-hour fire resistance rated enclosures
  - b) 3/4-hour fire protection rating for 1-hour fire resistance rated enclosures

## Automatic Sprinklers

1. Gravity chutes shall be protected internally by automatic sprinklers unless the chute is a masonry or metal chute complying with paragraphs 6.2.2.5 or 6.2.2.6.
2. A sprinkler shall be installed at or above the top chute intake of the chute
3. Automatic sprinklers installed in gravity chute intakes shall be recessed out of the chute area through which the material travels
4. A sprinkler shall be installed within the chute at alternate floor levels in chuted=s connecting more than 2-stories, with a mandatory sprinkler located at the lowest service level

For more information on Fire Safety click here

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Chute intake and discharge doors shall be maintained clear and unobstructed at all times

Waste and linen chutes and transport systems including intake and discharge doors, shall be inspected and maintained not less than annually in accordance to the manufactures' instructions

If the waste and linen chute discharge door is equipped with a fusible link, the following shall be conducted:

1. Inspect the link to ensure it is not painted or coated with dust or grease
2. Evaluate the condition of chains/cables, s-hooks, eyes, and other devices that operate as a result of the link melting to verify working condition (i.e., no kinked or pinched cable, no twisted or inflexible chain)
3. Remove the link for testing every 4 years to ensure full closure and positive latching
4. Reinstall the link after testing is complete.
5. Replace the link if damaged or painted with a link of the same size, temperature, and load rating

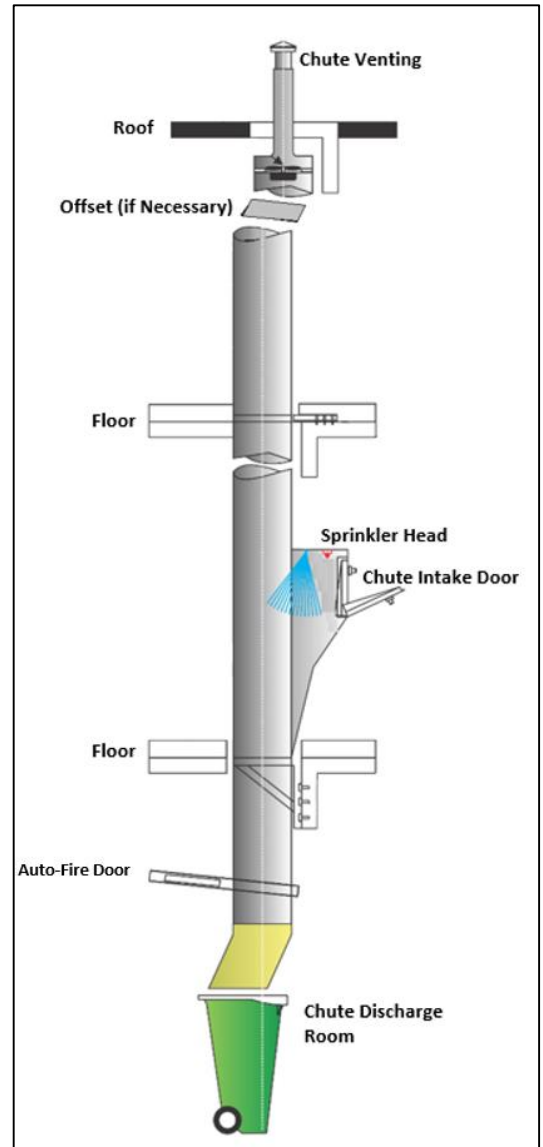
A waste or linen chute shall extend (full size) at least 0.92 m (3 ft) above the roof of a building of Type II-000, Type III, Type IV, or Type V construction.

The chute shall be permitted to extend less than 0.92 m (3 ft) above the roof of a building of Type I, Type II-222, or Type II-111 construction subject to the approval of the AHJ.

The chute shall be open to the atmosphere, with the opening being the same cross-sectional area as the chute.

A written record of the inspection shall be signed and kept for inspection by the AHJ

Systems with an offset, shall meet the same requirements listed above.



Gravity Chute with Offset only when necessary by Building Conditions and with Approval of the AHJ

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