CODES & REQUIREMENTS

# Installing Vents in Garage Doors

HURRICANE MASTER by DAB

SMART VENT®
Engineered Flood Vents

***Flood vents*** protect enclosures by allowing automatic bi-directional water flow that equalizes hydrostatic pressure. ***NFIP Technical Bulletin 1*** details requirements of flood openings in walls of enclosures, such as garages in Special Flood Hazard Areas.

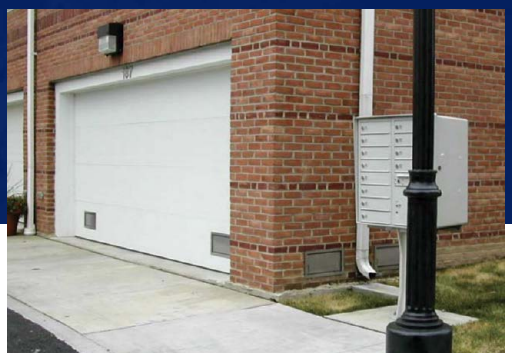


*FIGURE 6*

*CODES DETAILED IN TECHNICAL BULLETIN 1:*

## Exterior walls of garages in zone A

Flood openings are required in the exterior walls of garages in Zone A. Openings may be installed in garage doors (see Figure 6) when there is insufficient wall area in which to install the required number of openings.

***FEMA TB1: PG 13-14 SECTION 7.3 • IRC R322.2.2.1 • ASCE 24 SECTION 2.7.3***

## 2 openings on different walls

Every enclosed area is required to have at least two flood openings on exterior walls. Flood openings should be installed in at least two sides of each enclosed area to decrease the chance that all openings will be blocked by floating debris and to allow for more even filling and drainage of enclosed areas than if openings are installed on only one side.

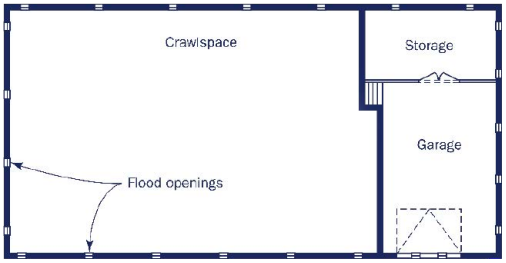
***FEMA TB1: PG 20-21 SECTION 8.1 • IRC R322.2.2.1 • ASCE 24 SECTION 2.7.3***

## Bottom no higher than 1 foot

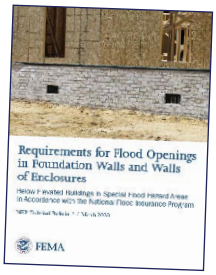
The bottom of each flood opening must be positioned no higher than 1 foot above the higher of the final (finished) interior or exterior grade or the floor that is immediately under each opening so water will begin to flow through the opening when water rises just above the bottom of the opening.

When interior and exterior grades are different, the higher of (1) the finished exterior grade immediately under each opening and (2) the final interior grade or floor is used to determine the position of flood openings.

***FEMA TB1: PG 21 SECTION 8.2 • IRC R322.2.2.1 • ASCE 24 SECTION 2.7.3***




***Please reference TB1 for further explanation on codes ⟶***




### Questions about enclosure and flood opening requirements?

Ask your local official, floodplain manager, NFIP State Coordinating Office, or Federal Emergency Management Agency (FEMA) Regional Office.

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