

## **GLAZING SYSTEMS FOR DRY FLOODPROOFING** *Construction Code Requirements*

### HIGHLIGHTS



PHOTO SOURCE: Savannah Trims Flood Control



PHOTO SOURCE: Fenex Flood Windows

**Flood-resistant glazing systems** used for flood-proofing non-residential buildings in special flood hazard areas must meet established acceptance criteria. They must be substantially impermeable and resist loading requirements.

### PROCESS OVERVIEW

- The Applicant of Record, a Registered Design Professional, prepares documents with all the submission requirements listed in the Buildings Bulletin to DOB's Office of Technical Certification & Research (OTCR) for review and approval (use the OTCR2 Site-specific application form). Flood-resistant glazing systems must be tested and evaluated in accordance with FM2510 or equivalent
- OTCR approval on the Flood-resistant Glazing Systems must be submitted to Plan Examination as a Technical Requirements item, **Alternative Materials** as part of the plan review.
- Only the OTCR approved glazing system can be installed. Any substitution would require separate testing and review by the Department.
- Special Inspections are performed at the job site as per the 2014 NYC Building Code.

Read the full [Bulletin](#) for more details on the requirements.

### BACKGROUND

#### **What is a flood-resistant glazing system?**

Flood-resistant glazing systems are used to dry floodproof to the design flood elevation for nonresidential applications. Flood-resistant glazing systems may include, but are not limited to, aluminum and protected steel framing, steel reinforcing, water stop gaskets, laminated glass, insulated laminated glass and sealants.

#### **How do I get approval to install them?**

Acceptable flood-resistant glazing systems that comply with the conditions of this bulletin and approved by OTCR can be installed for dry-floodproofing non-residential buildings.

Send questions to [constructioncodes@buildings.nyc.gov](mailto:constructioncodes@buildings.nyc.gov).