

CHAPTER 8E

GLAZING

8E-01. SUBMITTALS

a. Descriptive Data

(1) Manufacturers descriptive data is required.

(2) Also see that manufacturers installation instructions are provided and used for site installed units; especially for insulating, laminated, one-way and control tower glass.

(3) Also cleaning instructions for acrylic plastic glazing.

b. Certificates. Certificates or labels with specified identification are required. Safety glass is required to have etched marking of identification at a corner of each pane.

c. Guarantee. Check for 10 year guarantee on insulating glass units.

d. Control Tower Glass. Warranty, certification and test reports are required. Each pane of each unit must have manufacturer*s mark permanently affixed.

8E-02. MATERIALS

a. General

(1) Check thickness. Units to be clear and smooth on both sides.

(2) Check for manufacturers recommended backstop and sealant.

(3) Is glazing tape proper type and size? Use gray color tape.

c. Glass

(1) Check all types required from primary, figured, heat-absorbing, light-reducing, wire glass, insulating, laminated, one-way vision, tempered and heat-strengthened glass.

(2) Does wire glass in fire-rated doors comply with NFPA No. 80 requirements?

d. Glazing and Sealing Compounds

(1) Check the Flat Glass Marketing Association (FGMA) Glazing Manual for recommended types.

(2) Use aluminum color for glazing units of aluminum (natural color) material.

(3) Use gray or neutral color otherwise and for painted materials.

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e. Mirrors. Check items with Federal Specifications DD-M-000411 for size thickness and required coatings and varnish sealer coats.

8E-03. INSTALLATION

a. Check for required sealant primed with sealant manufacturers instructions.

b. Double prime wood and ferrous metal rabbets and beads before glazing.

c. Double strength glass (1/8-inch thick) required in opening up to and including 21 square feet.

d. Don*t unpack acrylic plastic until ready to glaze.

e. Check for required shims, separators, etc., in accordance with drawing and manufacturers instructions.

f. Are exposed fasteners for glazing corrosion-resistant type?

g. Check for removal of acrylic plastic protective cover immediately after installation. Manufacturer may recommend this requirement.

h. Check mirror frame, fasteners, anchorage and location.

i. When in doubt about hazardous glaring locations check the publication contents of the Consumer Product Safety Commission publication 16 CFR 1201, titled, Safety Standard for Architectural Glazing Materials.