

SECTION 08 80 00 - GLAZING

PART 1 - GENERAL

1.1 SYSTEM REQUIREMENTS

- A. Design Requirements:
 - 1. At a minimum provide high-performance, low-e, heat-strengthened, insulating-glass units at all exterior glazed openings.
 - a. Basis-of-Design Exterior Glazing: Viracon, VE1-2M.
 - 2. At all exterior glazed openings, provide glazing with low reflectivity.
 - 3. Select and configure glazing to support daylighting wherever possible and appropriate.
- B. PERFORMANCE REQUIREMENTS
 - 1. Engineering design of glass by Contractor.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Glass Manufacturers: Subject to compliance with requirements, provide products from one of the following:
 - 1. AFG Industries, Inc.
 - 2. Guardian Glass.
 - 3. Pilkington North America.
 - 4. PPG Industries.
 - 5. Viracon.
- B. Fire-Protection-Rated Glazing Manufacturers: Subject to compliance with requirements, provide products from one of the following:
 - 1. InterEdge, Inc., a subsidiary of AFG Industries, Inc.
 - 2. Nippon Electric Glass Co., Ltd. (distributed by Technical Glass Products).
 - 3. Pilkington Group Limited (distributed by Technical Glass Products).
 - 4. Safti First; SuperLite C/P.
 - 5. Schott North America, Inc.
 - 6. Vetrotech Saint-Gobain.

2.2 MONOLITHIC-GLASS TYPES

- A. Clear float glass: Use at all interior door and window locations not required to be safety glass or fire-protection-rated.
- B. Clear fully tempered float glass at all interior door and window locations where safety glass is required.
- C. Polished wired glass permitted where fire-protection-rated glass is required.

2.3 INSULATING-GLASS TYPES

- A. Insulating-Glass Units: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, qualified according to ASTM E 2190. Use at all exterior glazed openings.

2.4 FIRE-PROTECTION-RATED GLAZING TYPES

- A. Fire-Protection-Rated Glazing: Listed and labeled by a testing agency acceptable to authorities having jurisdiction, for fire-protection ratings indicated, based on testing according to NFPA 252 for door assemblies and NFPA 257 for window assemblies. Permitted in lieu of polished wired glass where fire-protection-rated glass is required.

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 08 80 00