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.
   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.
   4. Safi First; SuperLite C/P.
   5. Schott North America, Inc.

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