SECTION 08 80 00

GLAZING

PART 1  PRODUCTS

1.01  ACCEPTABLE MANUFACTURERS – GLASS
   A. General Glass Company
   B. Pilkington North America
   C. PPG Industries
   D. Guardian industries
   E. Old Castle Building Products
   F. Viracon
   G. Other generally recognized manufacturers of glass and glazing products.

1.02  ACCEPTABLE MANUFACTURERS - PLASTIC GLAZING
   A. Lexan

1.03  ACCEPTABLE MANUFACTURERS – FIRE RATED GLAZE
   A. SAFTI
   B. TGP
   C. Vetrotech Saint-Gabain

1.04  ACCEPTABLE MANUFACTURERS – SECURITY GLAZING
   A. School Guard

PART 2  MATERIALS

2.01  GLAZING
   A. Designated or required by code to be cermaic or laminated fireglass. ie FIRELITE
   B. Restroom glazing to be obscure glass. Obscure pattern shall be P62.

2.02  SAFETY GLAZING
   A. Safety glazing shall be 1/4" horizontal tempered clear glass with manufacturer's etched identification marking.

2.03  PLASTIC GLAZING
   A. Plastic glazing shall be 1/4" (minimum) Lexan MR-5 mar resistant glazing.

2.04  IAQ REQUIREMENT
   A. Field-applied sealants shall have a VOC content of not more than 250 g/L.

PART 3  EXECUTION

3.01  SAFETY GLAZING
   A. Safety glazing shall be installed in all openings within doors, at all glazed openings within 12 inches of door openings where the bottom edge is less than 5 feet from the floor, and at all fixed glazed openings of more than 9 square feet where the lower edge of the glazed panel is less than 18 inches above the adjacent floor level (except where the panel is protected by a horizontal member located between 24 inches and 36 inches above the adjacent floor).
   B. Security laminated glass, 5/16” thick, School Guard Glass SGG5, or similar products with attack resistance as follows:
1. Withstand a minimum of 5 shots from a military style assault rifle with a minimum caliber of 7.62mm.

2. Withstand a minimum of abuse as applied by a single assailant at full force and including strikes with feet, bricks, hammers, baseball bats, and sledgehammers without stoppage for (specifier’s choice) 6 minutes or 12 minutes.

END OF SECTION 08 80 00