

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