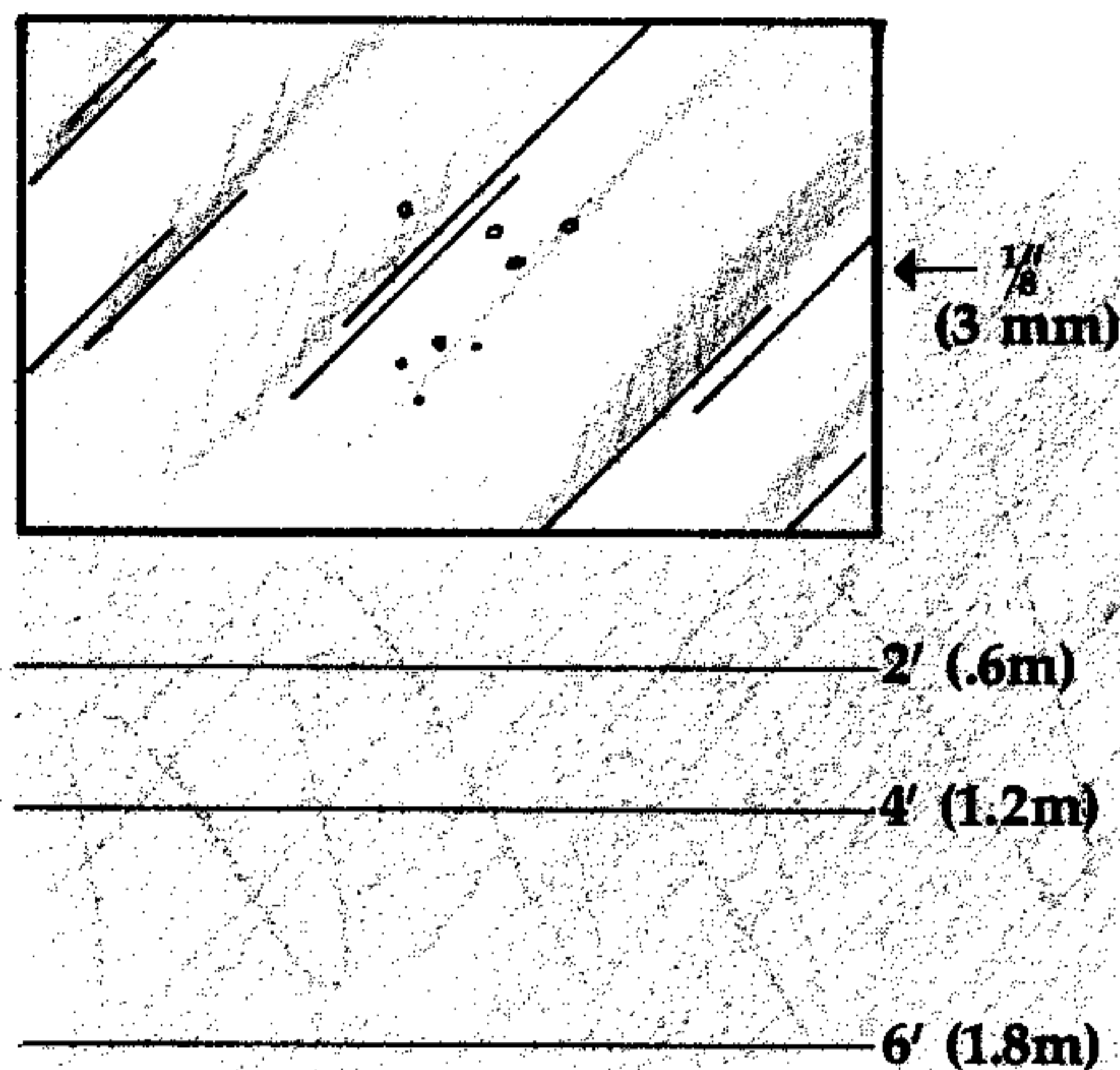


Vision Area Coating Quality Specifications

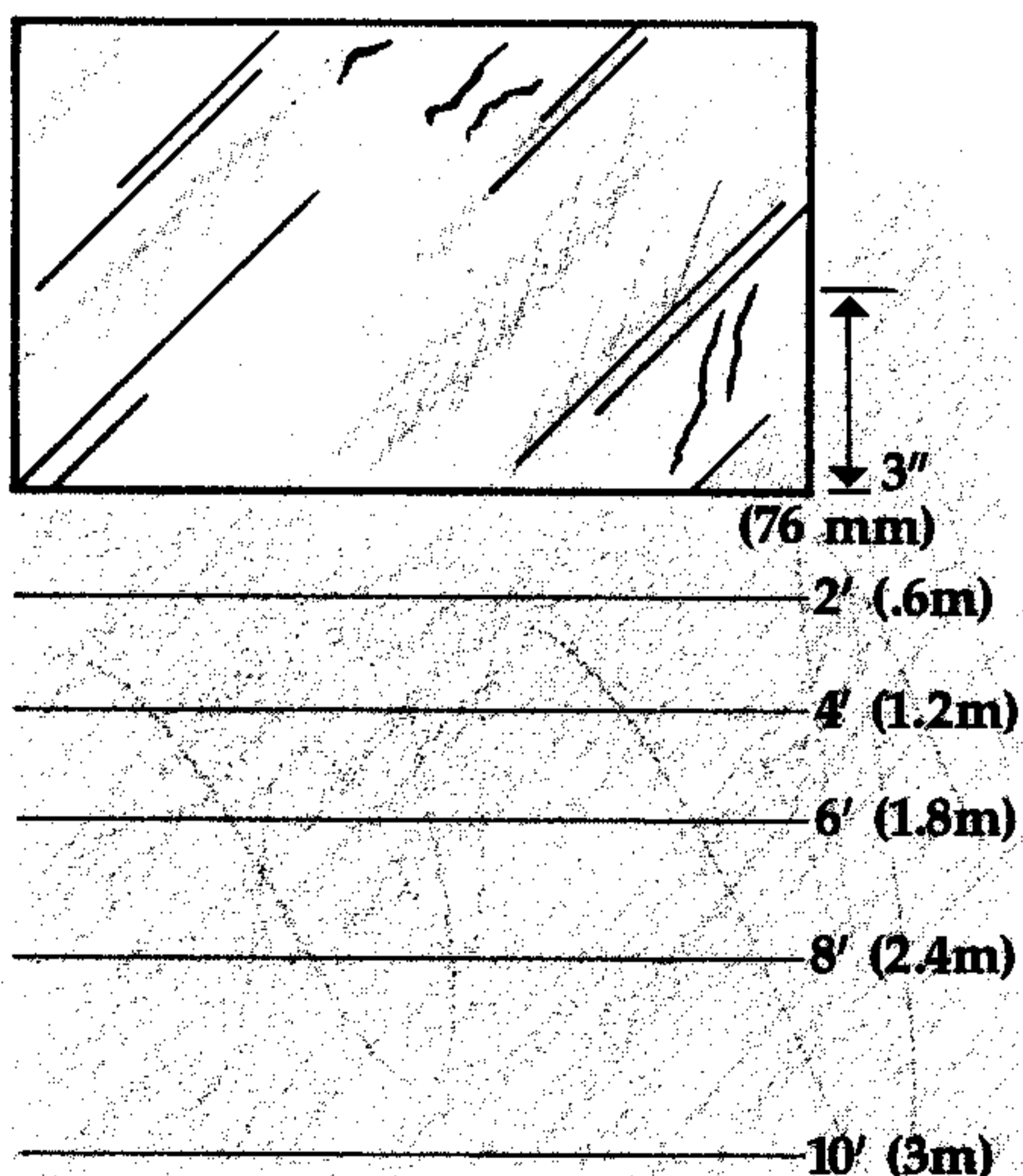
The following coating quality specifications apply for ECLIPSE reflective glass to be used in vision areas. The glass should be viewed against a bright, uniform background.

Pinholes—Pinholes greater than 1/8 inch (3mm) shall not be allowed. Large clusters or close spacing of smaller pinholes, visible from a distance of 6 feet (1.8m), shall not be allowed in an area of the glass through which a person would normally look.



Uniformity—Viewed from a distance of 10 feet (3m), some mottling or streaking of the coating may appear. Slight differences in adjacent lights may be visible.

Scratches—Viewed from a distance of 10 feet (3m) visible scratches longer than 3 inches (76mm) shall not be allowed in an area of the glass through which a person would normally look.



Mock-Ups—As with any glass product, it is suggested that the architect view and approve a full-size mock-up or visit an existing installation before making final determination on either heat-treated or annealed ECLIPSE reflective glass products.

Thermal Stress

ECLIPSE reflective glass offers control of unwanted solar heat gain by absorbing and reflecting the sun's radiation.

When glazed with the reflective coating on the first or outside surface, solar energy is mostly reflected away and the glass remains relatively cool. When glazed with the reflective coating on the second surface to enhance the color of the underlying glass and reduce reflectance, some solar radiation is absorbed in the glass both before and after reflection from the coating. The ECLIPSE reflective film is unique because it absorbs less heat under this condition than most other reflective films. Therefore, the glass remains cooler than competitive products while still having a similar shading coefficient. Other glasses are usually recommended heat-strengthened or tempered when glazed second surface reflective for the purpose of preventing breakage due to this excess solar heat absorption.

The end result is that most vision applications of second surface ECLIPSE reflective may be glazed using annealed glass, where no deep shadows, problem reflections, heat traps or unusual HVAC conditions exist. The benefits of glazing with annealed glass are reductions in delivery time, fabrication expense and distorted reflections when compared to heat-treated reflective products.

Of course, heat-treating of the glass may be required due to safety glazing codes, glass strength requirements or high thermal stresses. Spandrel glass should also normally be heat treated.

For specific recommendations, refer to the glazing guidelines section of this brochure, the LOF technical brochure *Good Glazing Techniques*, and technical bulletin ATS-121, *Annealed ECLIPSE® Reflective Glass Guidelines*.