DESCRIPTION

details

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CITY PROVIDENT

100 Year Rail Transit Terminal

1836 39th St. S.W.
Fargo, ND 58103

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Two layers of an elastic and translucent material based on current aerogel technology will provide superior insulation values with minimal material and weight. Approximate thickness: < 2" per layer.

The entire surface will be laminated with a highly reactive, transparent photovaltaic membrane. Approximate thickness: < 1/4".

The ability of the spiders to support the membrane without actually contacting it will be due to a monopole magnetic charge contained in both the material of the membrane and the transparent support panels of the spider legs.

Binding the layers together will be a form of carbon thread not inherently elastic. The carbon thread will be stiched in an exaggerated zigzag pattern allowing the membrane to expand and contract despite the thread's lack of elasticity.

A super elastic, translucent membrane based on an advanced version of synthetic muscle is used in a three-ply system not only for tensile strength but for increased and longer lasting elastic rebound. Approximate thickness: is 1" per layer