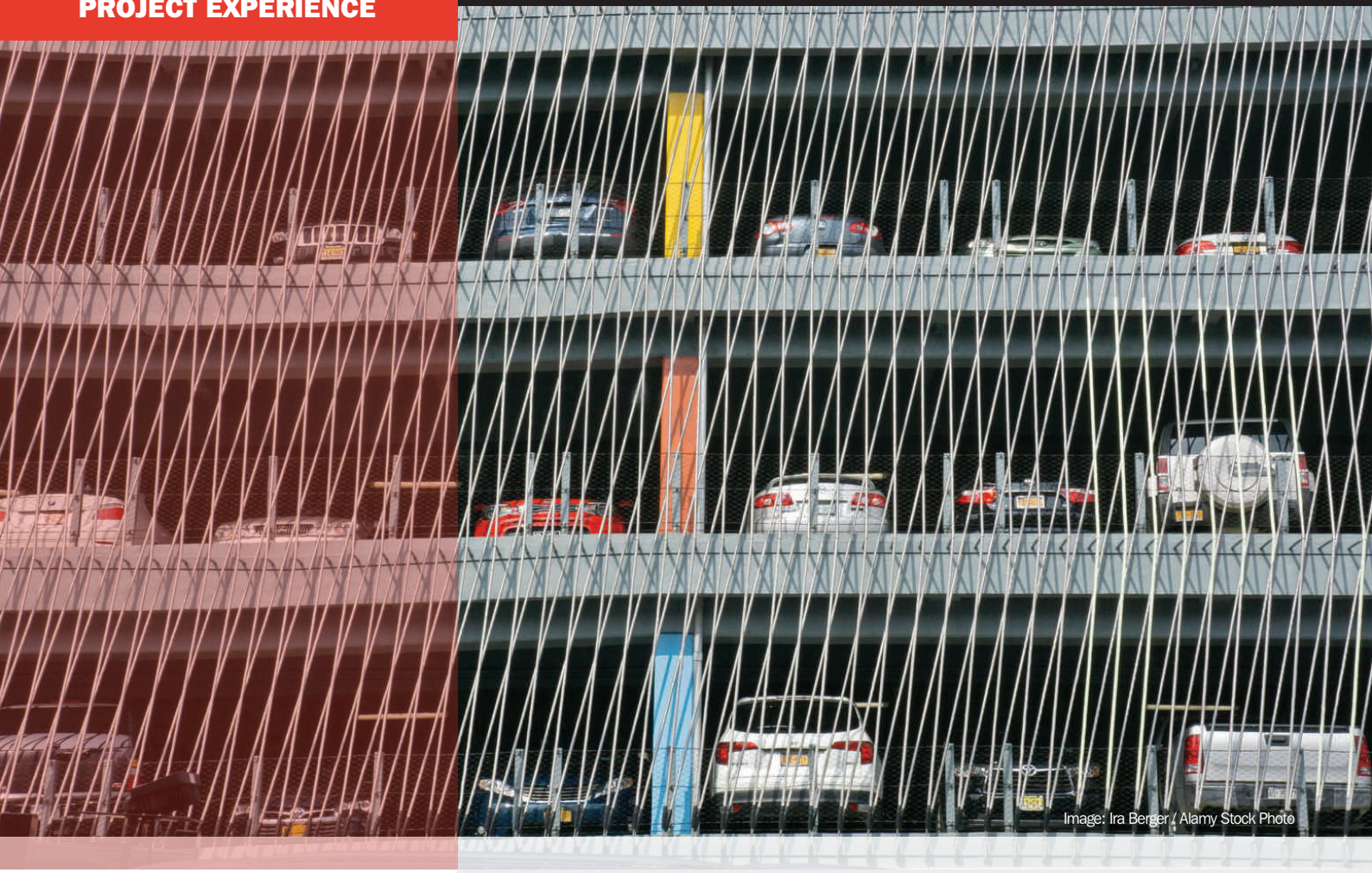


Image: Ira Berger / Alamy Stock Photo

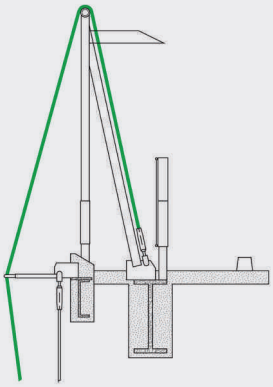
KEY FACTS

PHILLYSTRAN STEEL JACKETED COMPOSITE FIBRE CABLES

- 1 ¼" diameter cables aramid fibre strength member with fibreglass braided core and stainless steel over braid
- Rated Breaking Strength of 3,500lb
- In total 19,974 ft of synthetic fibre cable and included 415 termination and O-ring assemblies were used.

Delancey and Essex Municipal Parking Garage

NEW YORK, USA

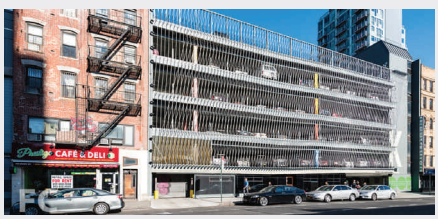


The award nominated Delancey and Essex Municipal Parking Garage features a façade comprising a three-dimensional surface of lines produced by offsetting two layers of Phillystran stainless steel-jacketed, composite synthetic fibre cables.

When the two layers - one planar and the other folded - are viewed together, moiré patterns are created by the interference of the crossing lines. The patterns seemingly move across the face of the building. As the viewer's position changes, the façade appears to shift from a solid, metallic folded surface to a lightweight scrim to a transparent web of lines.

The synthetic fibre cables span from the first floor to the fifth floor and are fastened to stainless steel end-fittings with integral turnbuckles for adjustability. One end termination consists of a stainless steel toggle / forked clevis fitting with a stainless steel clevis pin and black anodised aluminium fitting body. The other end also includes a stainless steel threaded rod with stainless steel toggle / forked clevis fitting with a stainless steel clevis pin and black anodised aluminium turnbuckle with locking nuts.

The Delancey and Essex Municipal Parking Garage demonstrates the suitability of synthetic cable as both a decorative and constructional element in architectural design.



Images courtesy of Field Condition

PHILLYSTRAN

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