

221 West 29th Street — Raker Supports

Raker Support System | 2016



CLIENT

CM & Associates
Construction
Management, LLC

LOCATION

221 West 29th Street, New
York, NY 10001, United
States

INDUSTRY

Real Estate and Insurance

SERVICE

Structural Dynamic
Analysis; Continuous
Monitoring

IMPACT

Tracked support loads during excavation and documented the unloading and removal of accessible monitoring equipment.

CHALLENGE

The development excavation required strain tracking and load calculations for raker supports R9-R12.

STRAAM APPROACH

STRAAM tracked strain in four rakers and applied a thermal correction of 1 microstrain per °C.

RESULT

At closeout, monitored supports were unloaded and accessible equipment was removed as excavation advanced.