

SIGA

STRUCTURAL ENGINEERING

Siga News

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What's the problem?



The front façade before repairs

Challenges

- Working out a solution without an obvious cause.
- Fixing an existing structure around the operations of an existing tenant.
- Ensuring the owner, tenant and contractor would all work together to get the project completed properly and quickly.
- Dealing with the unknowns of an existing structure.



The front façade cosmetic repairs in action

Project: Industrial - Smithfield

Key Objectives

- To determine what was causing the cracking and movement in the brickwork to the front façade and then determining whether it was from the foundation movement, wind loads, impact loads or otherwise.
- Stopping further movement and maintenance expense.
- Elimination of possible safety concerns associated with the instability.



Some of the steelwork installed behind the façade

Siga Solutions

- Priority was to stabilise the front façade to cope with normal wind loads and the loads from power lines.
- Foundation movement was considered to not be a current contributing factor to the movement.
- However, the unusual loads on the brickwork due to power lines was considered to be the main cause of the brickwork movement.
- Site inspections, supervision, issue of instructions to ensure the above structural works were conducted in accordance with our specifications.

Warm Regards,
FRANK SIMONE