

Report Contents

1.0 Introduction

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1.0 Introduction

1.1 Harrison Shortt Structural Engineers Ltd. reviewed the bowing in the front façade and prepared report 01 and associated drawings:

E11 – Existing First

E12 – Existing Second Floor Plans

P01 – MS Bat strap to restrain a wall perpendicular to joists.

1.2 During the installation the contractor discovered that the masonry to the spandrel and facades was so friable that he chose to install steel pattress plates bolted to the

2.0 Modifications to Report 01

2.1 Steel pattress plates were installed at second floor level externally.
Studding drilled through the wall and welded ot a MS bat strap screwed to joists.

2.2 Steel pattress plate was installed vertically to align with the internal non-loadbearing strud partion and fixed back to the studs.



3.0 Conclusion

3.1 The installation of external pattress plates was the only option to effectively restrain the front façade as the condition of the bricks would have not allowed the padstone detailed in P01 to work effectively.