AIN SHAMS UNIVERSITY
FACULTY OF ENGINEERING
STRUCTURAL ENGINEERING DEPARTMENT

RESISTING PUNCHING SHEAR OF FLAT SLABS BY SHEAR HEADS

A Thesis
Submitted in Partial Fulfillment of the
Requirements for the Degree of

DOCTOR OF PHILOSOPHY In
STRUCTURAL ENGINEERING

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The author carried out the work included in this thesis, and no part of it has been submitted for a degree or a qualification at any other scientific entity.

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