



AIN SHAMS UNIVERSITY
FACULTY OF ENGINEERING
STRUCTURAL ENGINEERING DEPARTMENT

RESISTING PUNCHING SHEAR OF FLAT SLABS BY SHEAR HEADS

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STATEMET

This thesis is submitted as partial fulfillment of the requirements for the Degree of Doctor of Philosophy in Civil Engineering (Structural), Faculty of Engineering, Ain Shams University.

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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