

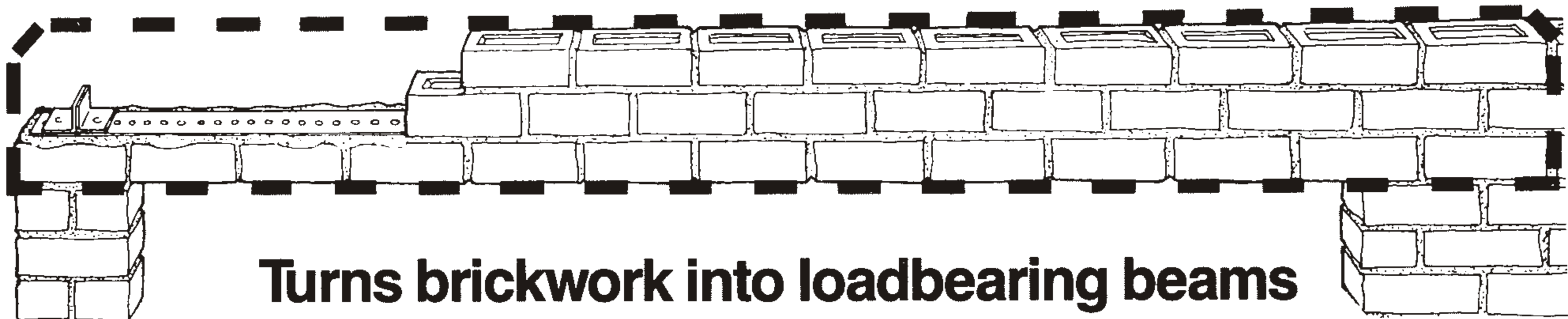
# HESBIA

HOLDS EVERY SIZE BRICK IN AUSTRALIA

Patents approved in Australia, Great Britain and West Germany.

|                       |                        |
|-----------------------|------------------------|
| Sheet No.<br><b>F</b> | February 1987          |
|                       | Ci/sfb<br>(21.1) Fg 2. |

## BRICKWORK REINFORCEMENT SYSTEM



### MANY USES

- BRICKWORK BEAMS
- DOOR & WINDOW HEAD LINTELS
- GARAGE DOOR LINTELS
- CANTILEVERS
- BRICK PARTITION WALLS ON SUSPENDED SLABS
- BRICKWORK ARCHES

### APPROVALS

For use with clay bricks

- ABSAC TECHNICAL OPINION No. 46
- VICTORIAN BUILDING CONTROL ACCREDITATION AUTHORITY CERTIFICATE OF ACCREDITATION No. V85/11

For use with calcium silicate and concrete bricks

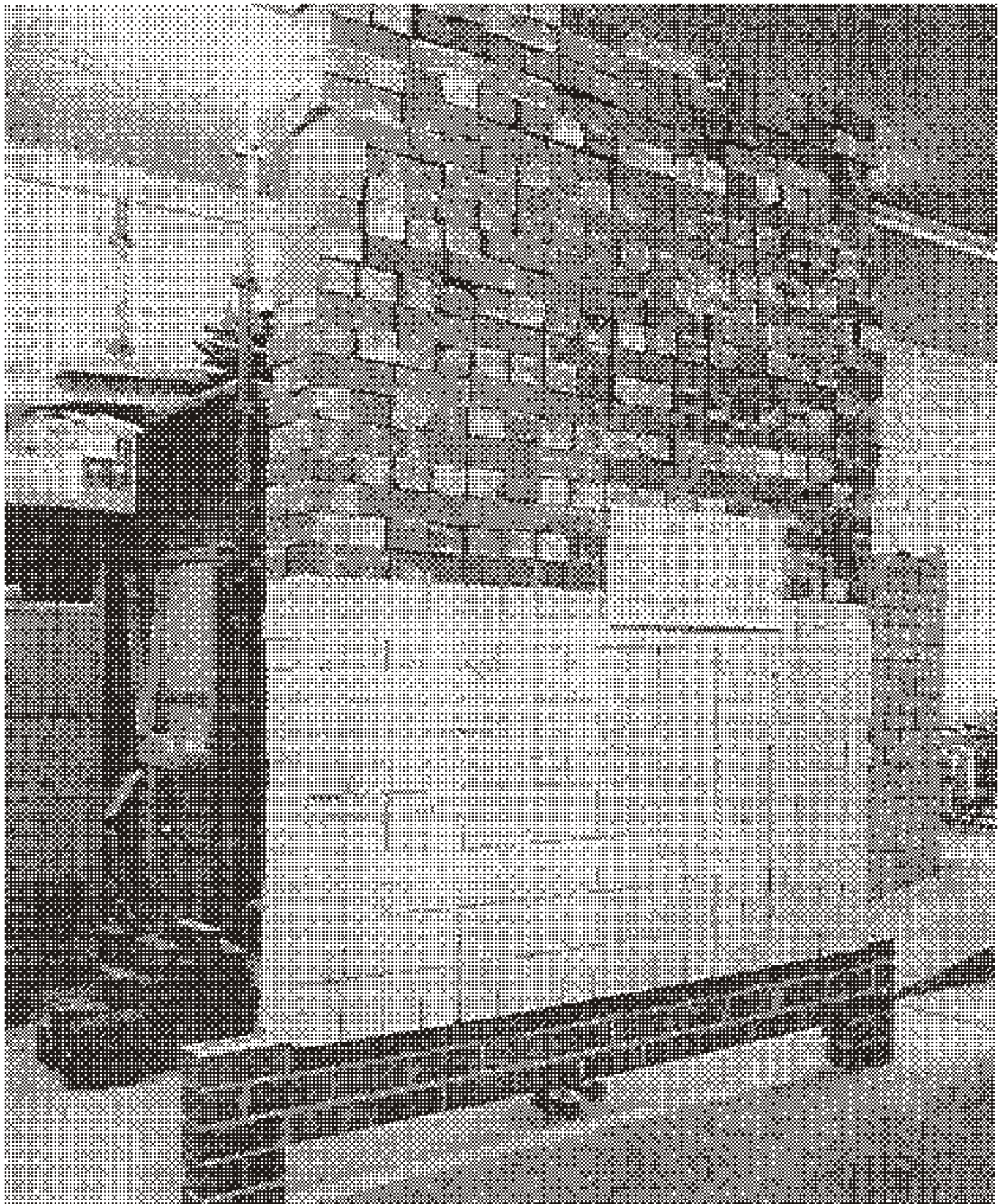
- DEAKIN UNIVERSITY MASONRY RESEARCH REPORT No. MRC-26

### HESBIA BARS

HESBIA uses a 60 x 3.15mm hot-dip galvanised steel tension-bar which is usually laid into the first bed joint above the opening. Anchorage of the bar to the brickwork is ensured by end-stops which are riveted to the bar and located in the vertical joints (perpends) at each end of the tension-bar. Because of the spacing of the holes in the tension-bar and the arrangement of the spigots in the end-stops, the distance between the upright portions of the end-stops can be set to within 5mm of any length. Therefore no cutting of bricks is needed and any span or brick size can be accommodated.

The end-stops are attached to the tension-bar by spigots that are riveted in position by the bricklayer.

HESBIA bars have a standard length of 4000mm, but are also available in 1000, 2000 and 3000mm lengths. Longer bars can be supplied by arrangement.



A HESBIA lintel of 2100mm clear span under test at the Brick Development Research Institute. Bricks were used to load the beam to show that long-term creep deflection is small.