

CASE HISTORY

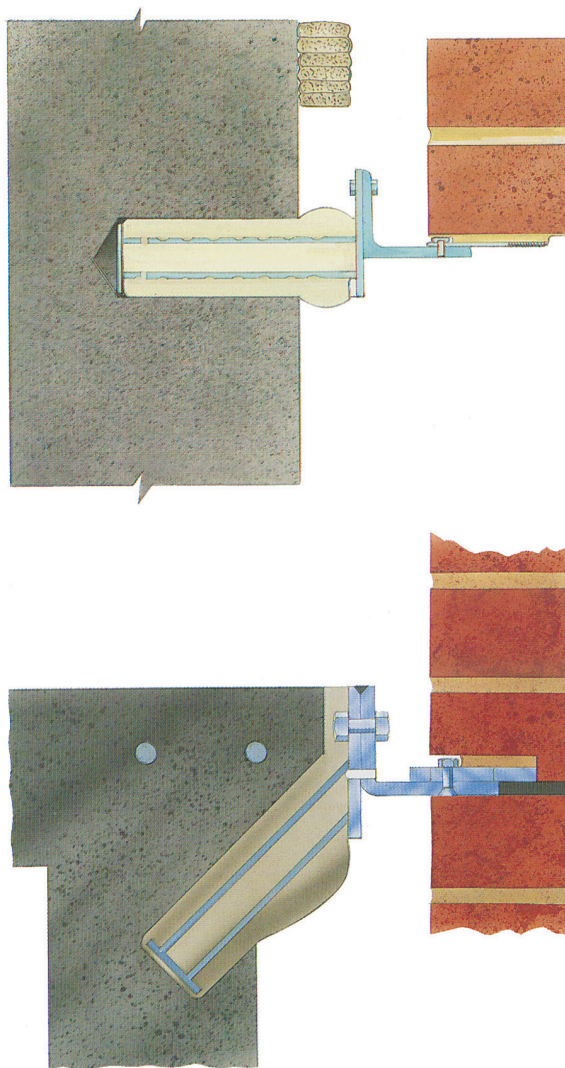
OLIPHANT COURT, PAISLEY, STRATHCLYDE



Scottish Special Housing Association designed and supervised the renovation of this fourteen storey apartment block using the Cintec corbel anchors and wall ties during 1987/88. The block was constructed of an in-situ reinforced concrete frame with concrete floors and an in-situ edge beam with an overhanging nib to support the external brickwork. creep and shrinkage of the concrete frame were primarily responsible for cracking and bowing of the external brickwork.

The external brickwork required replacement, so the outer leaf was dismantled. Re-building of the outer brickwork leaf was accelerated by the provision of the stainless steel angle supports at each floor level. The simple horizontal corbel anchor into the slab could not be employed because it would have cut the top edge beam reinforcement. Instead, Cintec corbel anchors inclined at 45° were supported over the downstand beams and used to support the stainless steel angles supporting the external leaf of brickwork.

The brickwork was built off the steel angles in storey heights with thermal movement joints at the underside of the angle over. Cintec RAC wall ties were used to tie the new leaf of brickwork to the internal leaf of blockwork.



Section through floor edge beam