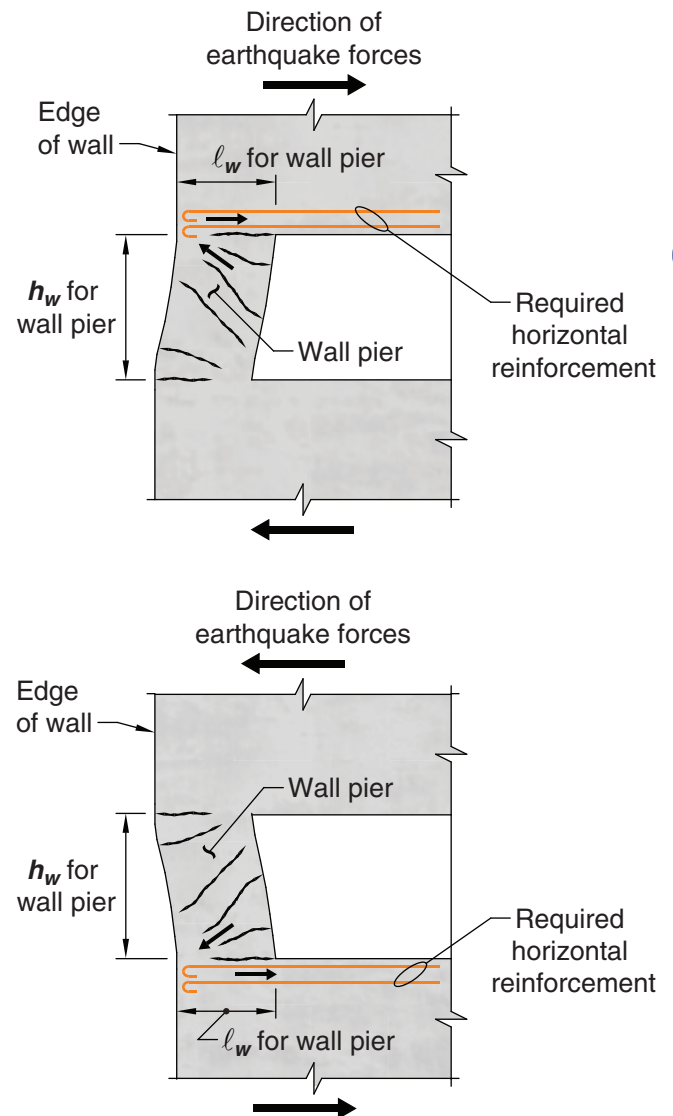


## CODE

## COMMENTARY



**Fig. R18.10.8**—Required horizontal reinforcement in wall segments above and below wall piers at the edge of a wall.

### 18.10.9 Ductile coupled walls

**18.10.9.1** Ductile coupled walls shall satisfy the requirements of this section.

**18.10.9.2** Individual walls shall satisfy  $h_{ws}/\ell_w \geq 2$  and the applicable provisions of 18.10 for special structural walls.

**18.10.9.3** Coupling beams shall satisfy 18.10.7 and (a) through (c) in the direction considered.

- (a) Coupling beams shall have  $\ell_n/h \geq 2$  at all levels of the building.
- (b) All coupling beams at a floor level shall have  $\ell_n/h \leq 5$  in at least 90 percent of the levels of the building.
- (c) The requirements of 18.10.2.5 shall be satisfied at both ends of all coupling beams.

### R18.10.9 Ductile coupled walls

The aspect ratio limits and development length requirements for ductile coupled walls are intended to induce an energy dissipation mechanism associated with inelastic deformation reversal of coupling beams. Wall stiffness and strength at each end of coupling beams should be sufficient to develop this intended behavior.