

CODE

COMMENTARY

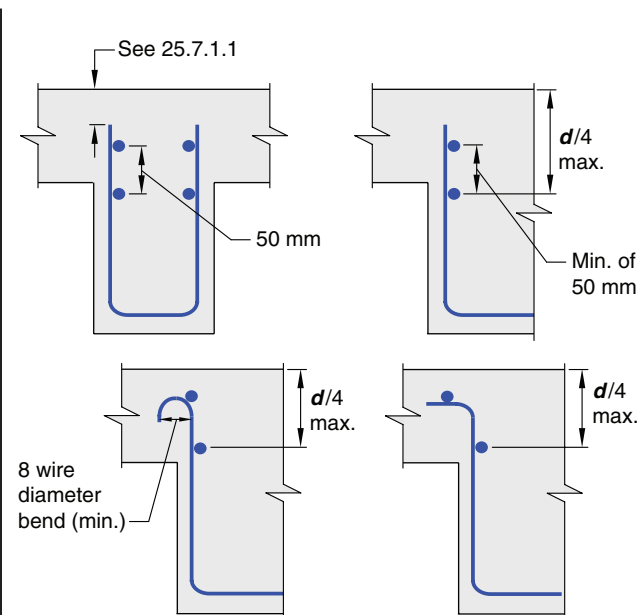


Fig. R25.7.1.4—Anchorage in compression zone of welded wire reinforcement U-stirrups.

25.7.1.5 Anchorage of each end of a single leg stirrup of welded wire reinforcement shall be with two longitudinal wires at a minimum spacing of 50 mm in accordance with (a) and (b):

- (a) Inner longitudinal wire at least the greater of $d/4$ or 50 mm from $d/2$
- (b) Outer longitudinal wire at tension face shall not be farther from the face than the portion of primary flexural reinforcement closest to the face

R25.7.1.5 Welded wire reinforcement for shear reinforcement is commonly used in the precast, prestressed concrete industry. The rationale for acceptance of straight sheets of welded wire reinforcement as shear reinforcement is presented in a report by the [Joint PCI/WRI Ad Hoc Committee on Welded Wire Fabric for Shear Reinforcement \(1980\)](#).

The provisions for anchorage of single-leg welded wire reinforcement in the tension face emphasize the location of the longitudinal wire at the same depth as the primary flexural reinforcement to avoid a splitting problem at the level of the tension reinforcement. Figure R25.7.1.5 illustrates the anchorage requirements for single-leg welded wire reinforcement. For anchorage of single-leg welded wire reinforcement, the Code permits hooks and embedment length in the compression and tension faces of members (refer to 25.7.1.3(a) and 25.7.1.4), and embedment only in the compression face (refer to 25.7.1.3(b)). This section provides for anchorage of straight, single-leg, welded wire reinforcement using longitudinal wire anchorage with adequate embedment length in compression and tension faces of members.