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CODE	COMMENTARY
(c) Details for construction of sloped or stepped footings designed to act as a unit. (d) Locations where floor system and column concrete placements are required to be integrated during placement in accordance with 15.5. (e) Locations where steel fiber-reinforced concrete is required for shear resistance in accordance with 9.6.3.1.	
26.5.7.2 Compliance requirements:	
(a) Beams, girders, or slabs supported by columns or walls shall not be cast until concrete in the vertical support members is no longer plastic.	**R26.5.7.2(a)** Delay in placing concrete in members supported by columns and walls is necessary to minimize potential cracking at the interface of the slab and supporting member caused by bleeding and settlement of plastic concrete in the supporting member.
(b) Beams, girders, haunches, drop panels, shear caps, and capitals shall be placed monolithically as part of a slab system, unless otherwise shown in construction documents.	**R26.5.7.2(b)** Separate placement of slabs and beams, haunches, or similar elements is permitted if shown in the construction documents and if provision has been made to transfer forces as required in 22.9.
(c) At locations where floor system and column concrete placements are required to be integrated during placement, column concrete shall extend full depth of the floor system at least 600 mm into the floor system from face of column and be integrated with floor system concrete.	**R26.5.7.2(c)** Application of the concrete placement procedure described in 15.5 may require the placing of two different concrete mixtures in the floor system. It is the responsibility of the licensed design professional to indicate in the construction documents where the higher- and lower-strength concretes are to be placed.
(d) Saw cutting or construction of joints that can affect the integrity of a slab-on-ground identified in the construction documents as structural diaphragms or part of the seismic-force-resisting system shall not be permitted unless specifically indicated or approved by the licensed design professional.	**R26.5.7.2(d)** This restriction applies to slabs identified as structural diaphragms in 26.5.7.1(b).
26.6—Reinforcement materials and construction requirements **26.6.1** *General*	**R26.6—Reinforcement materials and construction requirements** **R26.6.1** *General*
26.6.1.1 Design information:	
(a) ASTM designation and grade of reinforcement, including applicable requirements for special seismic systems in accordance with 20.2.2.5.	**R26.6.1.1(a)** If ASTM A615 reinforcement is used in place of ASTM A706 reinforcement in special seismic systems, the strength and minimum elongation requirements of 20.2.1.3 and 20.2.2.5(b) should be included.
(b) Type, size, location requirements, detailing, and embedment length of reinforcement. (c) Concrete cover to reinforcement.	
(d) Location and length of lap splices.	**R26.6.1.1(d)** Splices should, if possible, be located away from points of maximum tensile stress. The lap splice requirements of 25.5.2 encourage this practice.
(e) Type and location of mechanical splices.	

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