CODE

7.6.4.2.2 If slabs are supported on walls or not cast monolithically with beams, gross concrete area is the slab section tributary to the tendon or tendon group.

7.6.4.2.3 At least one tendon is required in the slab between faces of adjacent beams or walls.

COMMENTARY

of the slab. In cases where the shrinkage and temperature tendons are used for supporting the principal tendons, variations from the slab centroid are permissible; however, the resultant of the shrinkage and temperature tendons should not fall outside the middle third of the slab thickness.

The effects of slab shortening should be evaluated to ensure the effectiveness of the prestressing. In most cases, the low level of prestressing recommended should not cause difficulties in a properly detailed structure. Additional attention may be required where thermal effects become significant.

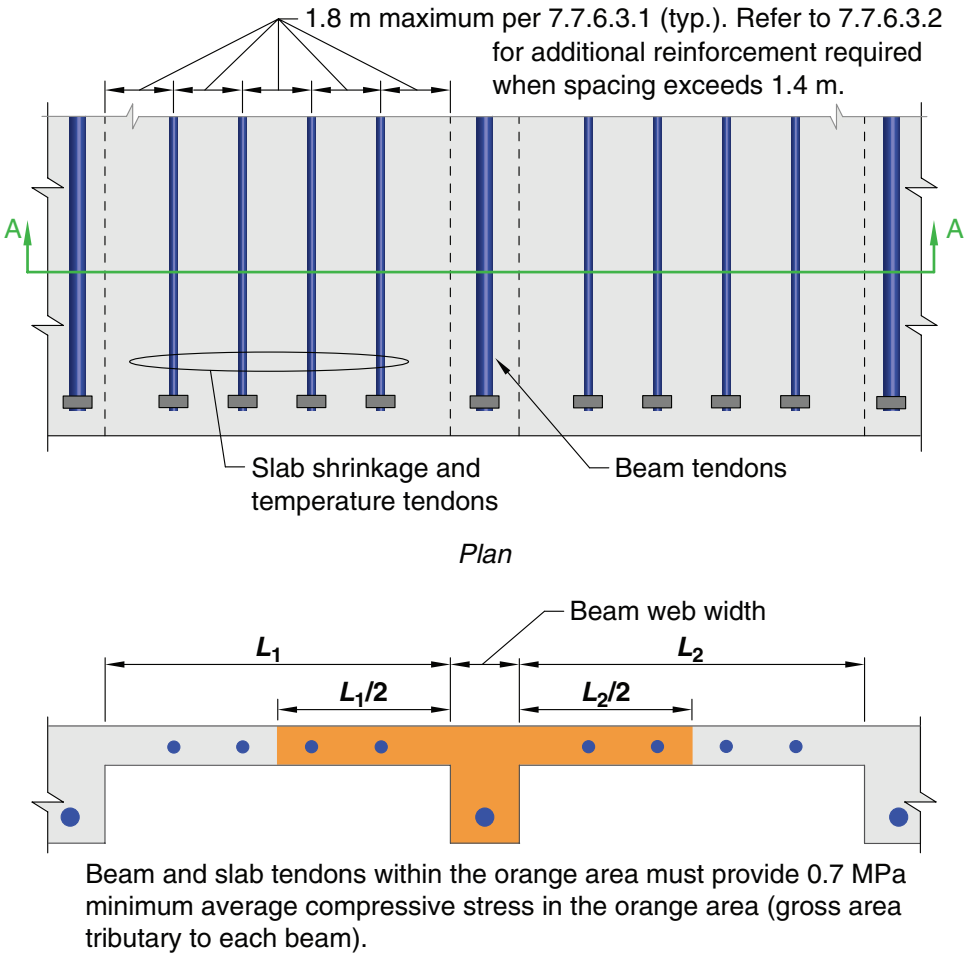

***Fig. R7.6.4.2**—Section through beams cast monolithically with slab.*

7.7—Reinforcement detailing

7.7.1 *General*

7.7.1.1 Concrete cover for reinforcement shall be in accordance with 20.5.1.

7.7.1.2 Development lengths of deformed and prestressed reinforcement shall be in accordance with 25.4.

R7.7—Reinforcement detailing