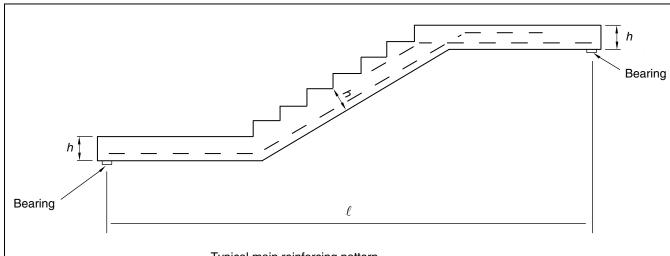
Design Aid 3.12.10 Recommended Maximum Spans for Precast Concrete Stairs



— — Typical main reinforcing pattern

Thickness <i>h</i> , in.	Span ℓ , ft
6	14
8	19
10	23
12	26

Notes:

- 1. Stair reinforcing must be designed for all factored loads.
- 2. Normalweight concrete.
- 3. Recommended maximum span ℓ is based on dead weight of stair plus 100 lb/ft² live load.
- 4. Minimum concrete 28-day compressive strength is 5000 psi.
- 5. When deflections are required to be checked in accordance with ACI 318-05 Section 9.5, cracked section properties are required to be used. Top steel may be required to control deflections.
- 6. Longer spans can be obtained with higher concrete strength or special reinforcing.