

AccuFOOTING™

CONCRETE FOOTING BRACE



1

Layout form boards.

Entretoises de coffrage.



2

Place AccuFooting™ 6 feet on-center.

Placez les étais d'AccuFooting™ à une distance de 6 pieds entre leurs centres



3

AccuFooting™ fits easily between boards.

AccuFooting™ s'intègre facilement entre les entretoises.



4

Set boards to grade.

Nivelez les entretoises.



5

Place rebar.

Place les barres d'armatures.



6

Pour concrete.

Bétonnez.



7

Screed open-top footing.

Arasez la partie découverte des semelles.



8

Wait for concrete to cure.

Attendre que le Béton durcissent.



9

Pry up tabs with hammer.

Enlevez les pattes avec un marteau.

ACI 318-08

7.4.1—At the time concrete is placed, reinforcement shall be **free from mud**, oil, or other nonmetallic coatings that decrease bond.

7.5.1 — Reinforcement, including tendons, and posttensioning ducts **shall be accurately placed and adequately supported before concrete is placed, and shall be secured against displacement** within tolerances permitted in 7.5.2.

7.5.2.1 — Tolerances for d and for concrete cover in flexural members, walls, and compression members shall be as follows:

| | Tolerance on d | Tolerance on specified concrete cover |
|----------------|------------------|---------------------------------------|
| $d \leq 8$ in. | $\pm 3/8$ in. | $-3/8$ in. |
| $d > 8$ in. | $\pm 1/2$ in. | $-1/2$ in. |

except that tolerance for the clear distance to formed soffits shall be minus 1/4 in. In addition, tolerance for cover shall also not exceed minus 1/3 the concrete cover specified in the design drawings and project specifications.

7.7 — Concrete protection for reinforcement

7.7.1 — Cast-in-place concrete (non-prestressed)

Unless a greater concrete cover is required by 7.7.6 or 7.7.8, specified cover for reinforcement shall not be less than the following:

- (a) Concrete cast against and permanently exposed to earth.....3 in

12.5.1 — Development length for deformed bars in tension terminating in a standard hook (see 7.1), ℓ_{dh} , shall be determined from 12.5.2 and the applicable modification factors of 12.5.3, but $\ell_{dh} \geq \phi$.

15.7 — Minimum footing depth

Depth of footing above bottom reinforcement shall not be less than 6 in. for footings on soil, nor less than 12 in. for footings on piles.

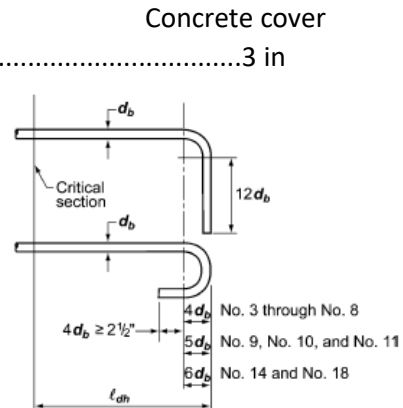


Fig. R12.5—Hooked bar details for development of standard hooks.

Basic Engineering Considerations:

1. To attain the best strength for bending in either direction in the horizontal plane the preferred rebar placement for generic footing design is in vertical middle of footing.
2. Maximum compressive loading on concrete is at the outer surface.

AccuFooting is designed specifically to address these considerations.