

# **Chapter 23**

## **Tilt-Up Wall Panels**

# *Proposed Changes*

## **Clause 23.3.10**

- A23.3-94                      No reference
- Proposed Change              Where vertical reinforcement is placed in two layers, the effect of compression reinforcement shall be ignored.
- Reason                              Reinforcement on the compression side of a slender wall in bending is seldom within the compression zone due to minimum cover requirements.

# *Proposed Changes*

## **Clause 23.4.1.3**

- A23.3-94                       $\phi_m$ , is taken as 0.65
- Proposed Change               $\phi_m$ , is taken as 0.75
- Reason                              To make consistent with Chapter 10 and with ACI

# *Proposed Changes*

## Clause 23.4.2

- A23.3-94

$$\Delta_s = \frac{5 M_a l^2}{48 E_c I_e}$$

where  $I_e$  is as defined in Clause 9.8.2.3

- Proposed Change

$$\Delta_s = \frac{5 M_a l^2}{48 E_c I_e (1 - P_s / K_{bs})}$$

$$K_{bs} = 48 E_c I_e / 5 l^2$$

where  $I_e$  is as defined in Clause 9.8.2.3

- Reason

To clarify deflection calculation