

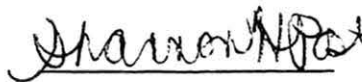
## 10 -1 REINFORCED CONCRETE STRENGTH REQUIREMENTS

Design engineers shall specify as a default, a concrete strength of 25 MPa (3600 psi) in the "General Notes" of Structure Plans for all structural concrete. When the design engineer requires a concrete strength greater than 25 MPa for structural concrete in any element of the structure, then this departure from default concrete strength shall be clearly shown on the "*Concrete Strength and Type Limits*" diagram of the Structure Plans.

The default concrete strength of 25 MPa eliminates the need to require "trial-batch testing" for a large percentage of structural concrete used in Caltrans projects (see *Standard Specifications*, Section 90-1 and 90-9). Therefore, concrete that is designated by its compressive strength shall have a strength greater than 25 MPa.

A handwritten signature in cursive script, appearing to read "Richard D. Land".

Richard D. Land  
Bridge Design Branch A

A handwritten signature in cursive script, appearing to read "Shannon H. Post".

Shannon H. Post  
Bridge Design Branch B

A handwritten signature in cursive script, appearing to read "Michael A. Barbour".

Michael A. Barbour  
Bridge Design Branch C