

# CivilFEM Class3 Error report

**ERROR NO:** 2009-01  
**TECH. ID:** 2009-248

**First incorrect version:** 11.0

**Corrected in:** 11 Rev 4a SP2

## Description of Error:

Reinforcement design for shells using the Most Unfavourable Direction method or Orthogonal Directions method does not take into account the strain limit of the reinforcement bars. This will give a lower amount of reinforcement than the one required to keep the stress of the reinforcement under the specified limit.

## Keywords:

Shell

Check

**GUI Access:** Main Menu > Civil Postprocessor > Code Checking>"Code"> DESIGN BY CODE: Shells>MUD

## Suggested User Action For Running on Uncorrected Version:

Instead of using the EPSmax value to set the strain limit, the suggested workaround is to change the fyk value to limit the yield stress.

## Comments:

The absolute stress limit (yield strength) of steel is used.

This error does not affect code checking done with ACI, AASHTO or AS3600 codes, where the reinforcement steel does not have a strain limit.

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21/04/2009

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