CC-3521.1.2 Prestressed Concrete

(a) A sufficient amount of effective prestress shall be provided so that \( N_h \) and \( N_m \) are either negative (compression) or zero. Thermal membrane forces shall be included in \( N_h \) and \( N_m \) for the calculation of effective prestress.

(b) No additional reinforcement is required for tangential shear forces if

\[
V_u \leq 0.85V_c \tag{15}
\]

where \( V_c \) is calculated according to CC-3421.5.2.

(c) When the section under consideration does not meet the requirements of either (a) or (b), additional reinforcement shall be provided according to requirements of CC-3521.1.1.

---

Proposed ASME Code Revision as in Record #19-2656

(Crossed for deleted, underlined for additions)

CC-3521.1.2 Prestressed Concrete

(a) A sufficient amount of effective prestress shall be provided so that \( N_h \) and \( N_m \) are either negative (compression) or zero. Thermal membrane forces shall be included in \( N_h \) and \( N_m \) for the calculation of effective prestress.

(b) No additional reinforcement is required for tangential shear forces if

\[
V_u \leq 0.85V_c \tag{15}
\]

where \( V_c \) is calculated according to CC-3421.5.2.

(c) When the section under consideration does not meet the requirements of either (a) or (b), additional reinforcement shall be provided for tangential shear forces according to requirements of CC-3521.1.1.