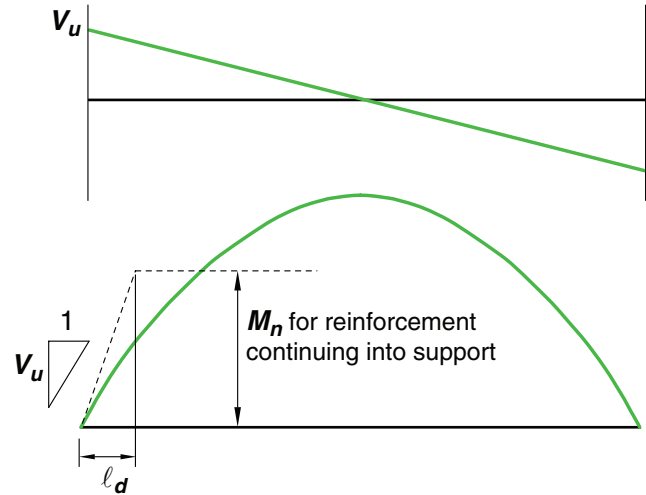


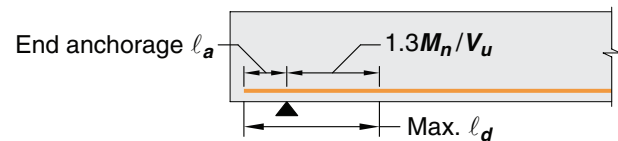
CODE

COMMENTARY



$$\text{Capacity slope } \left(\frac{M_n}{\ell_d} \right) \geq \text{Demand slope } (V_u)$$

$$\ell_d \leq \frac{M_n}{V_u}$$

(a) Positive M_u Diagram

Note: The 1.3 factor is applicable only if the reaction confines the ends of the reinforcement

(b) Maximum ℓ_d at simple support

Maximum effective embedment length limited to d or $12d_b$ for ℓ_a

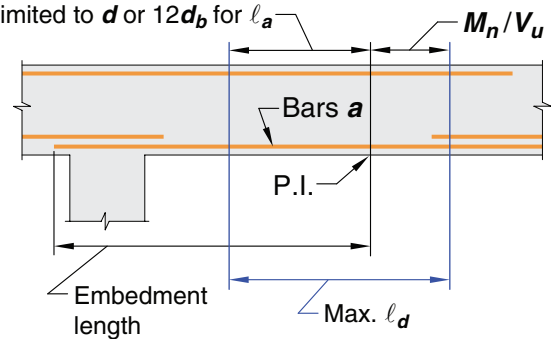
(c) Maximum ℓ_d for bars "a" at point of inflection

Fig. R9.7.3.8.3—Determination of maximum bar size according to 9.7.3.8.3.

9.7.3.8.4 At least one-third of the negative moment reinforcement at a support shall have an embedment length beyond the point of inflection at least the greatest of d , $12d_b$, and $\ell_n/16$.