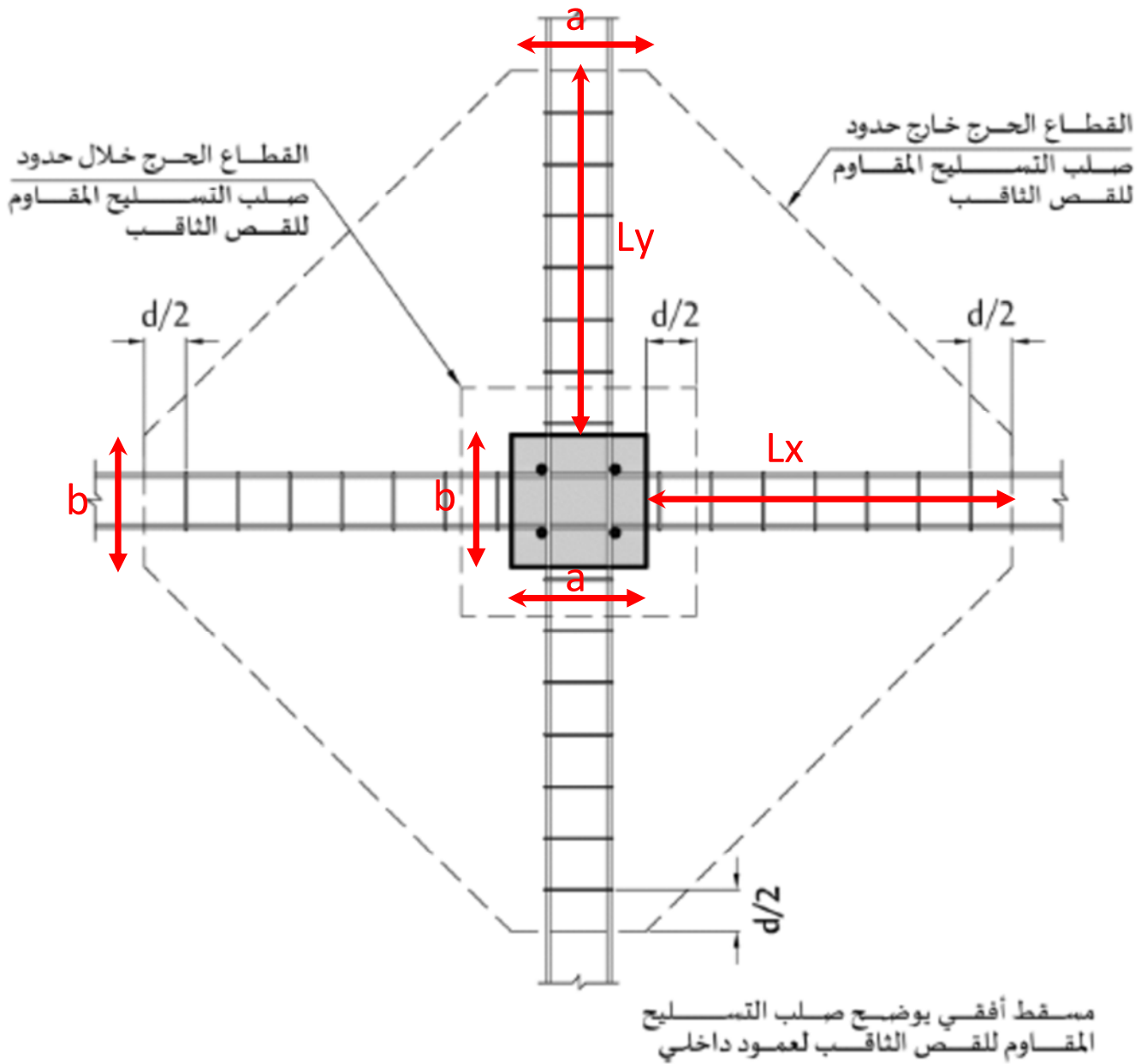
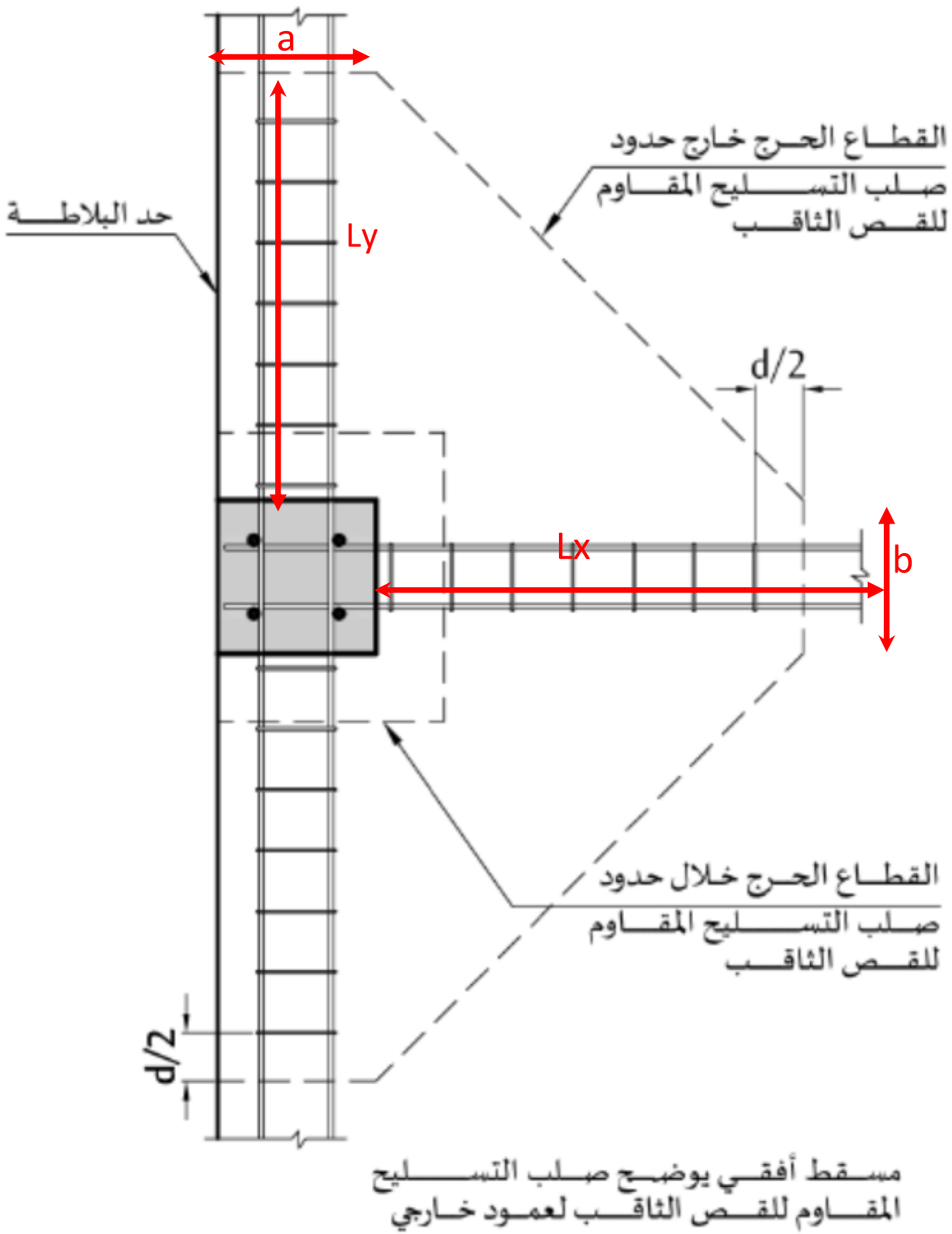


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$$b_o (Outside) = 2(a + b) + 4 \times \sqrt{L_x^2 + L_y^2}$$

$$Area_{(Inside the Outside Critical Section)} = a(2L_y + b) + 2L_x b + 2L_x L_y$$



$$b_o \text{ (Outside)} = (2a + b) + 2 \times \sqrt{L_x^2 + L_y^2}$$

$$Area_{\text{(Inside the Outside Critical Section)}} = a(2L_y + b) + L_x b + L_x L_y$$

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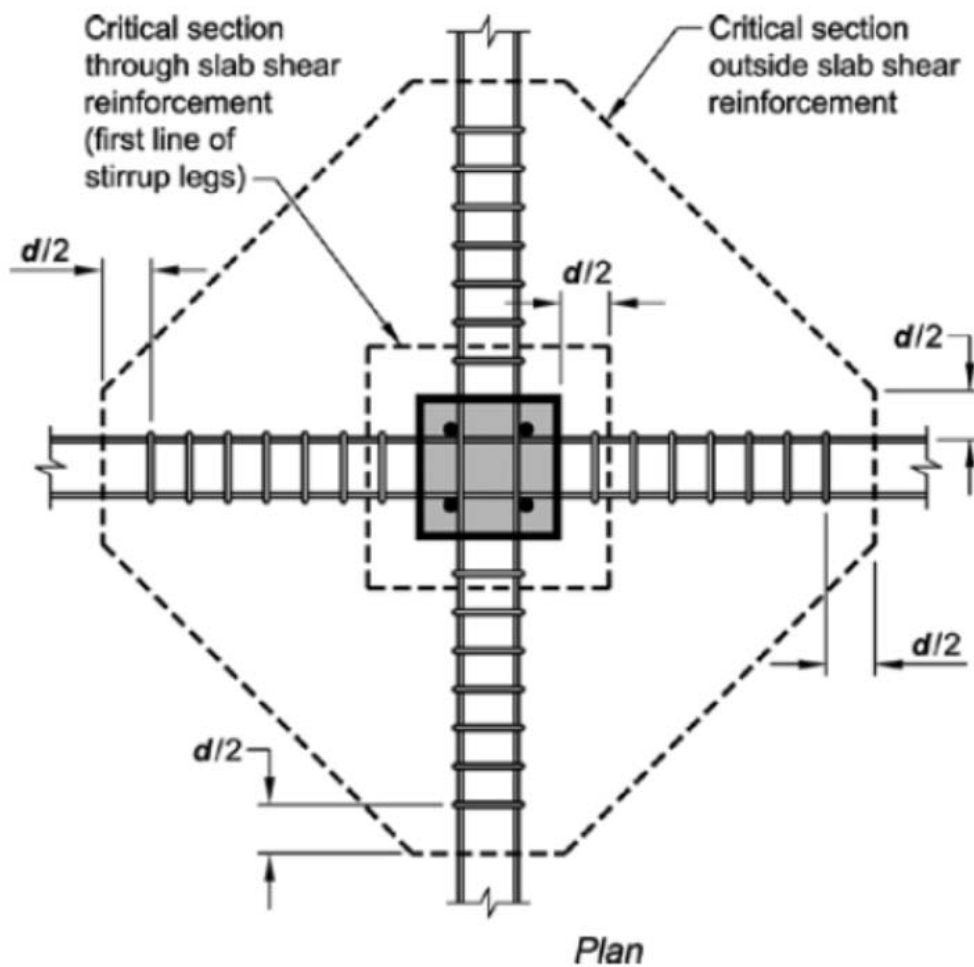


Fig. R22.6.4.2a—Critical sections for two-way shear in slab with shear reinforcement at interior column.

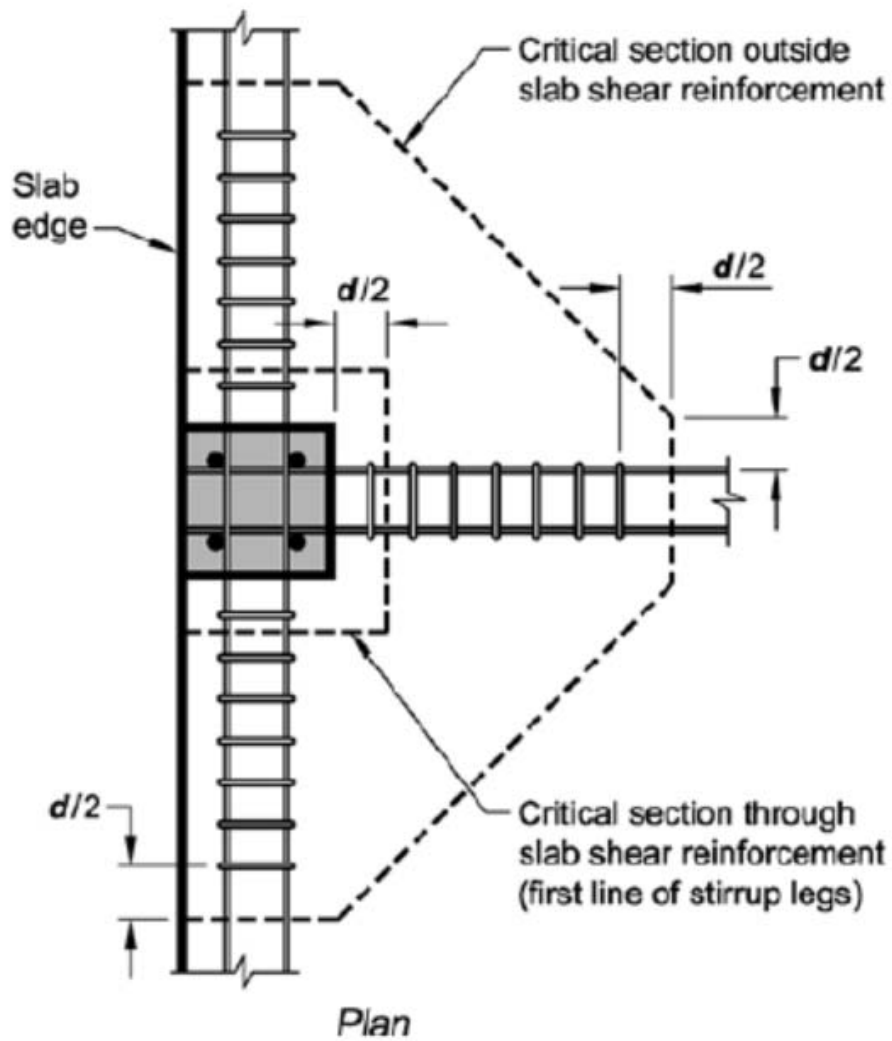


Fig. R22.6.4.2b—Critical sections for two-way shear in slab with shear reinforcement at edge column.

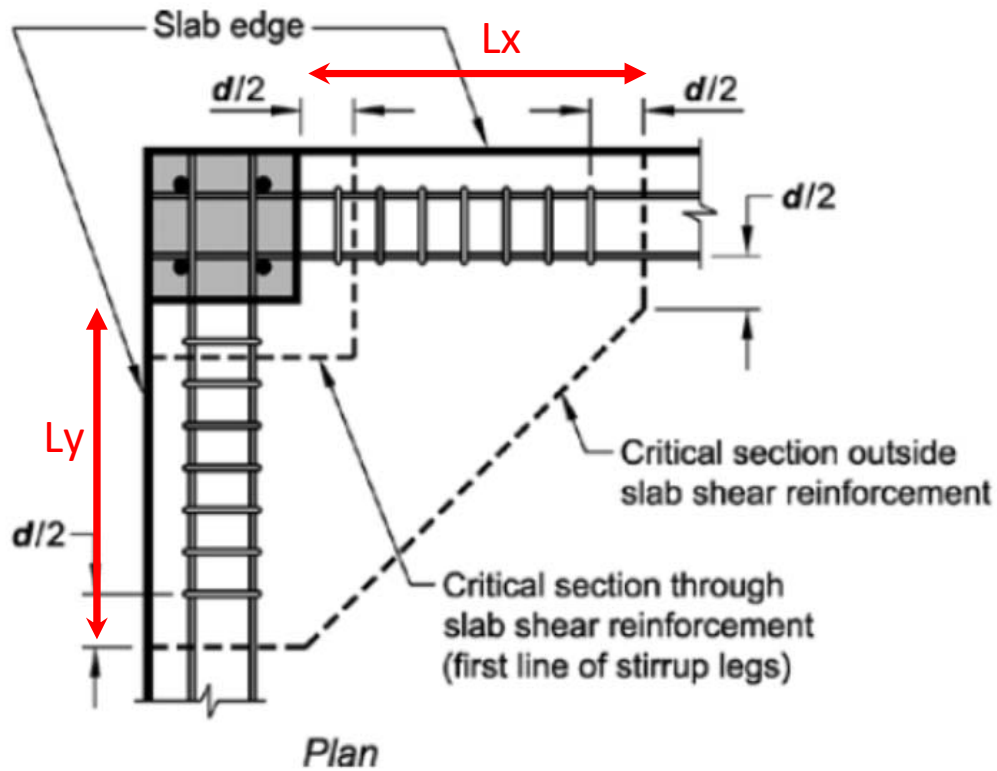


Fig. R22.6.4.2c—Critical sections for two-way shear in slab with shear reinforcement at corner column.

$$b_o \text{ (Outside)} = (a + b) + \sqrt{L_x^2 + L_y^2}$$

$$\text{Area}_{\text{(Inside the Outside Critical Section)}} = a(L_y + b) + L_x b + 0.5L_x L_y$$