

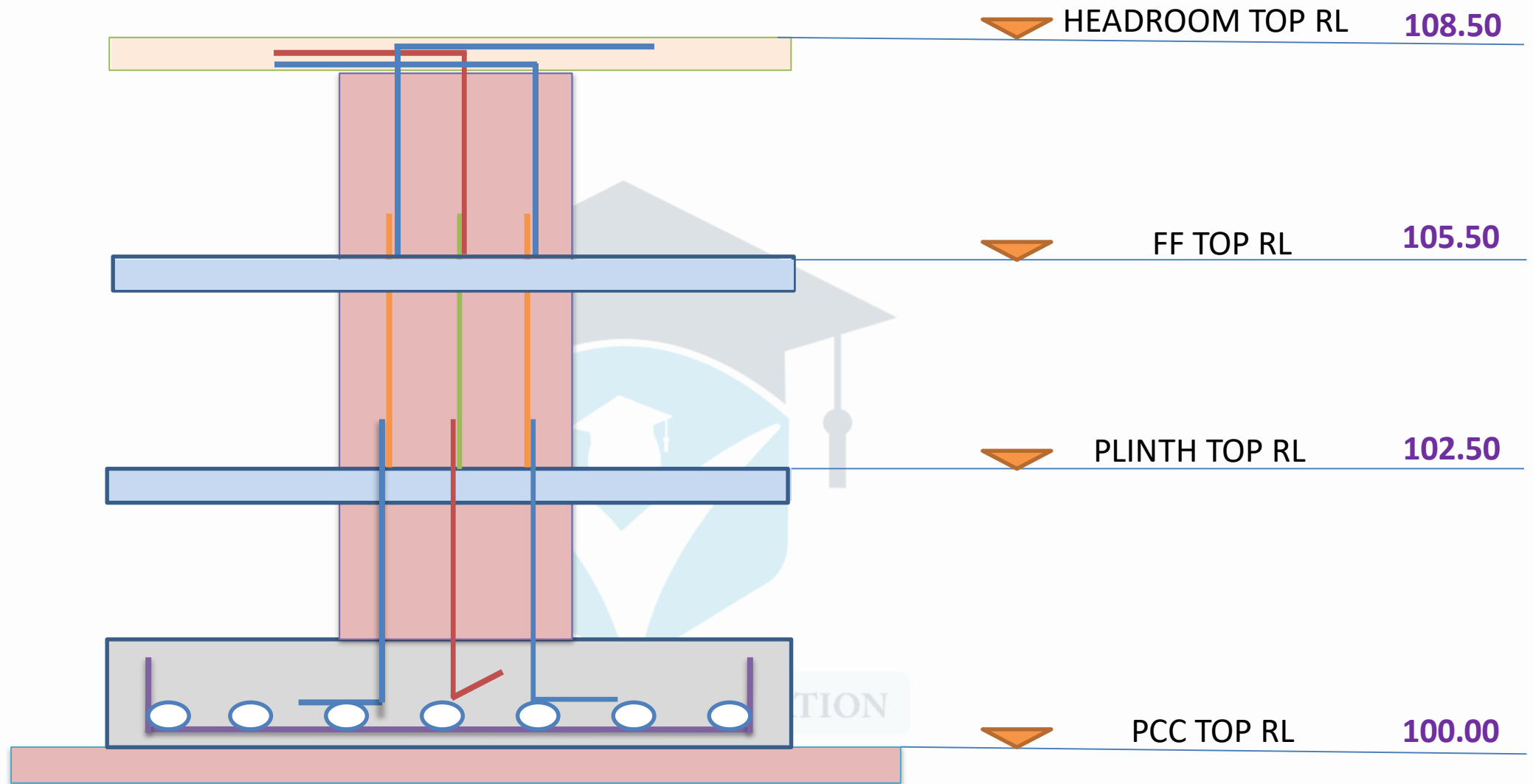


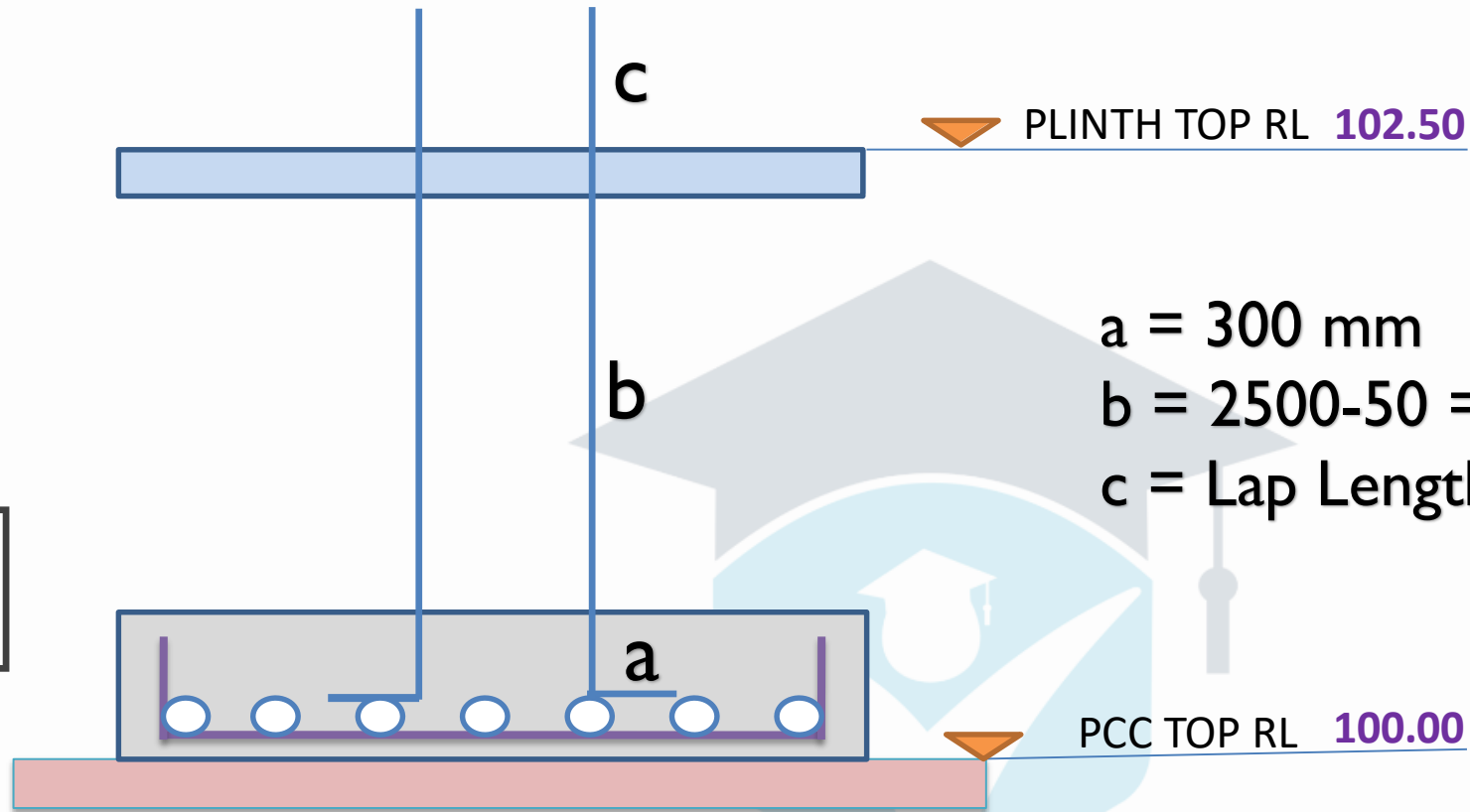
# Excellence Foundation

An ISO 9001:2015 Certified Company

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**COLUMN**





$$a = 300 \text{ mm}$$

$$b = 2500 - 50 = 2450 \text{ mm}$$

$$c = \text{Lap Length}(50d) = 50 \times 20 = 1000 \text{ mm}$$

MAIN  
BAR

$$\begin{aligned} \text{Length of Main Bar} &= ((300 + 2450 + 1000) - (1 \times 2 \times 20)) \\ &= \mathbf{3710 \text{ mm}} \end{aligned}$$

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**RECTANGULAR  
LINK**

$$= 10D$$

$$= 10 \times 8$$

$$= \underline{80\text{mm}}$$

$$= 600 - 40 - 40$$

$$= \underline{520\text{MM}}$$

$$= 300 - 40 - 40$$

$$= \underline{220\text{mm}}$$

$$= 300 - 40 - 40$$

$$= \underline{220\text{mm}}$$

$$= 600 - 40 - 40$$

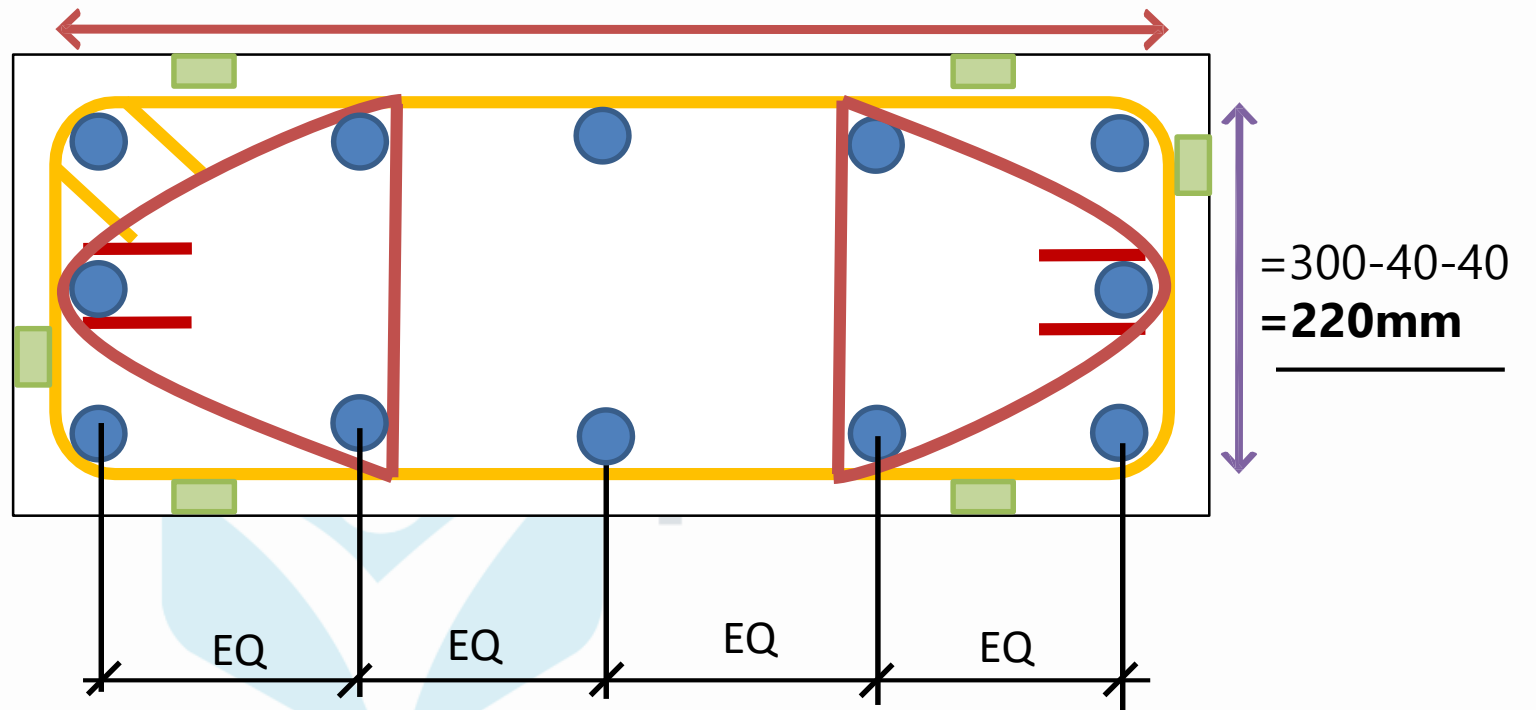
$$= \underline{520\text{MM}}$$

**Length of Rectangular Link**

$$= ((520 + 220 + 520 + 220) + (2 \times 10 \times 8) - (3 \times 2 \times 8) - (2 \times 3 \times 8))$$

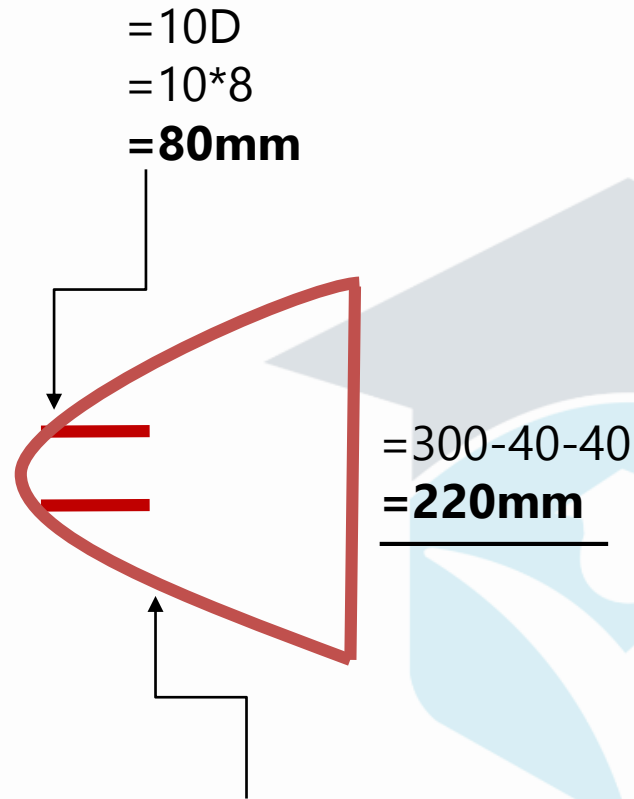
$$= \underline{1544 \text{ mm}}$$

## TRIANGULAR LINK



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## TRIANGULAR LINK



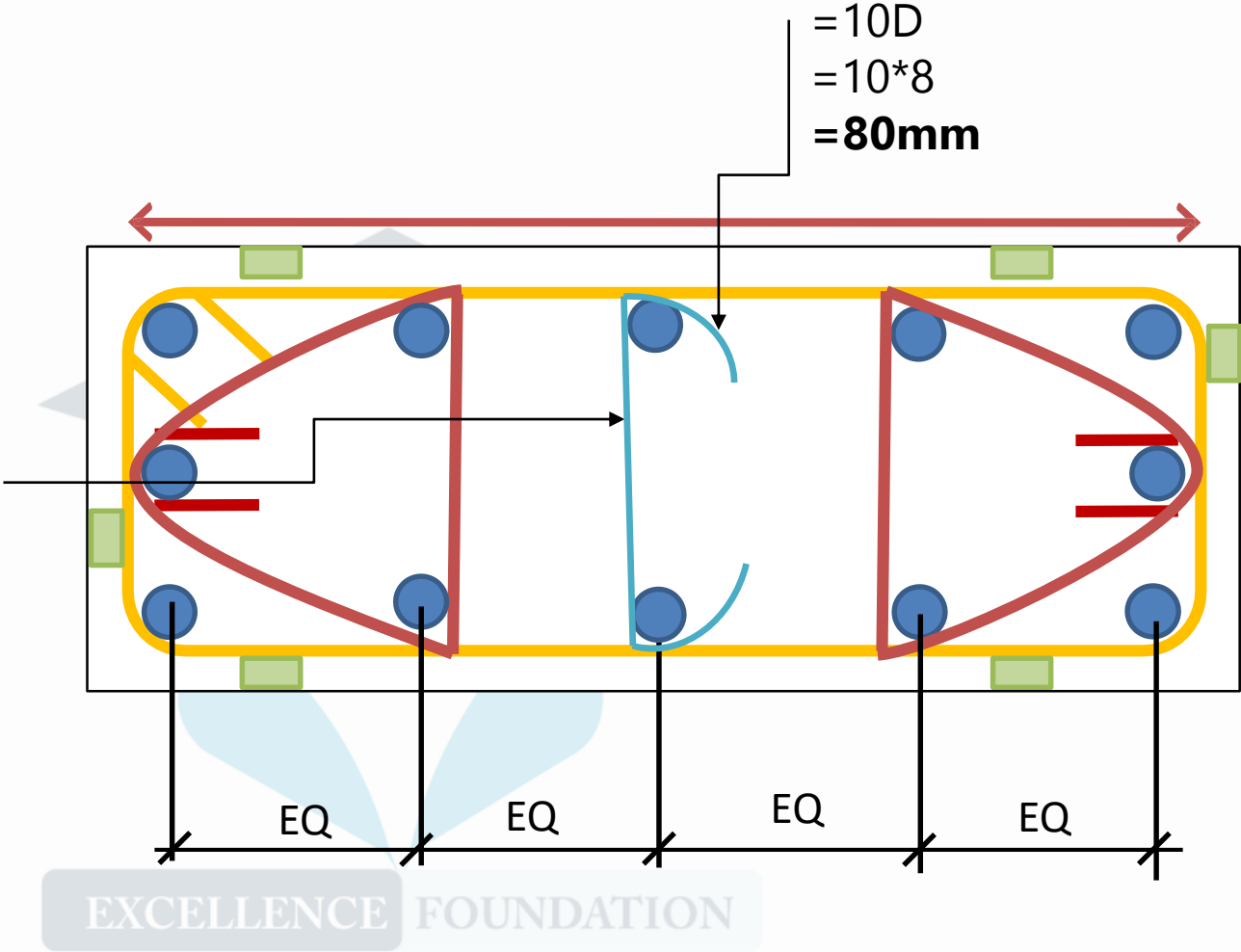
### Length of triangular Link

$$= ((180 + 220 + 180) + (2 * 10 * 8) - (4 * 3 * 8))$$
$$= 644 \text{ mm}$$

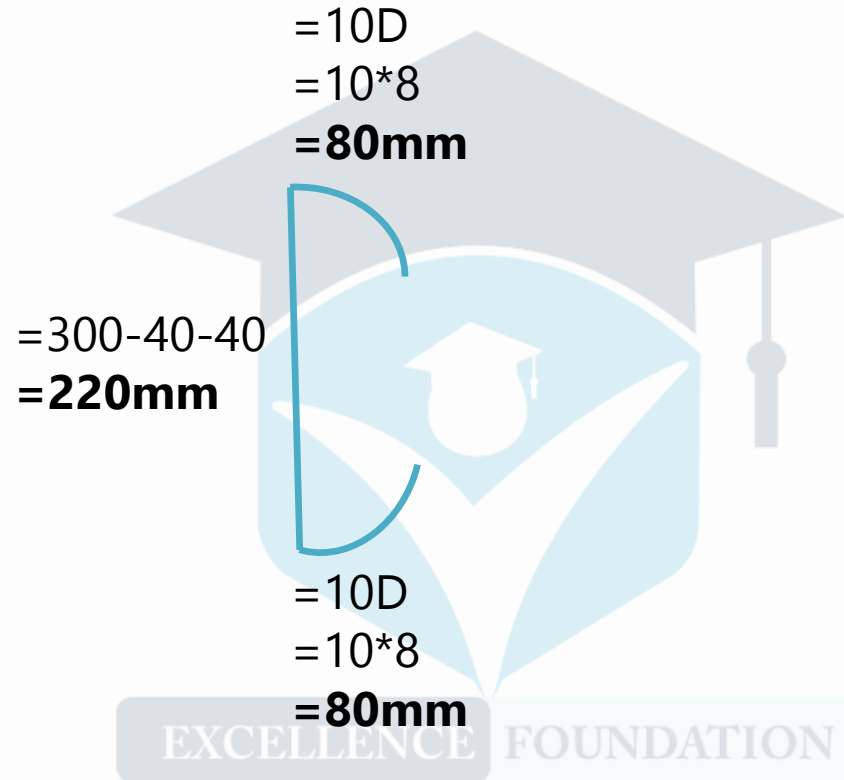
HOOK

$=300-40-40$   
 $=220\text{mm}$

$=10D$   
 $=10 \times 8$   
 $=80\text{mm}$



HOOK



## Length of Hook

$$= ((220) + (2 \times 10 \times 8) - (2 \times 3 \times 8))$$
$$= 332 \text{ mm}$$

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