

Bar Areas

#	Inch ²	mm ²
3	0.11	70
4	0.20	130
5	0.31	200
6	0.44	280
7	0.60	390
8	0.79	510

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Spacing, Area in Slabs

$$Spacing(mm) = \frac{A_s(1bar)}{A_s(required)} \times 1000$$

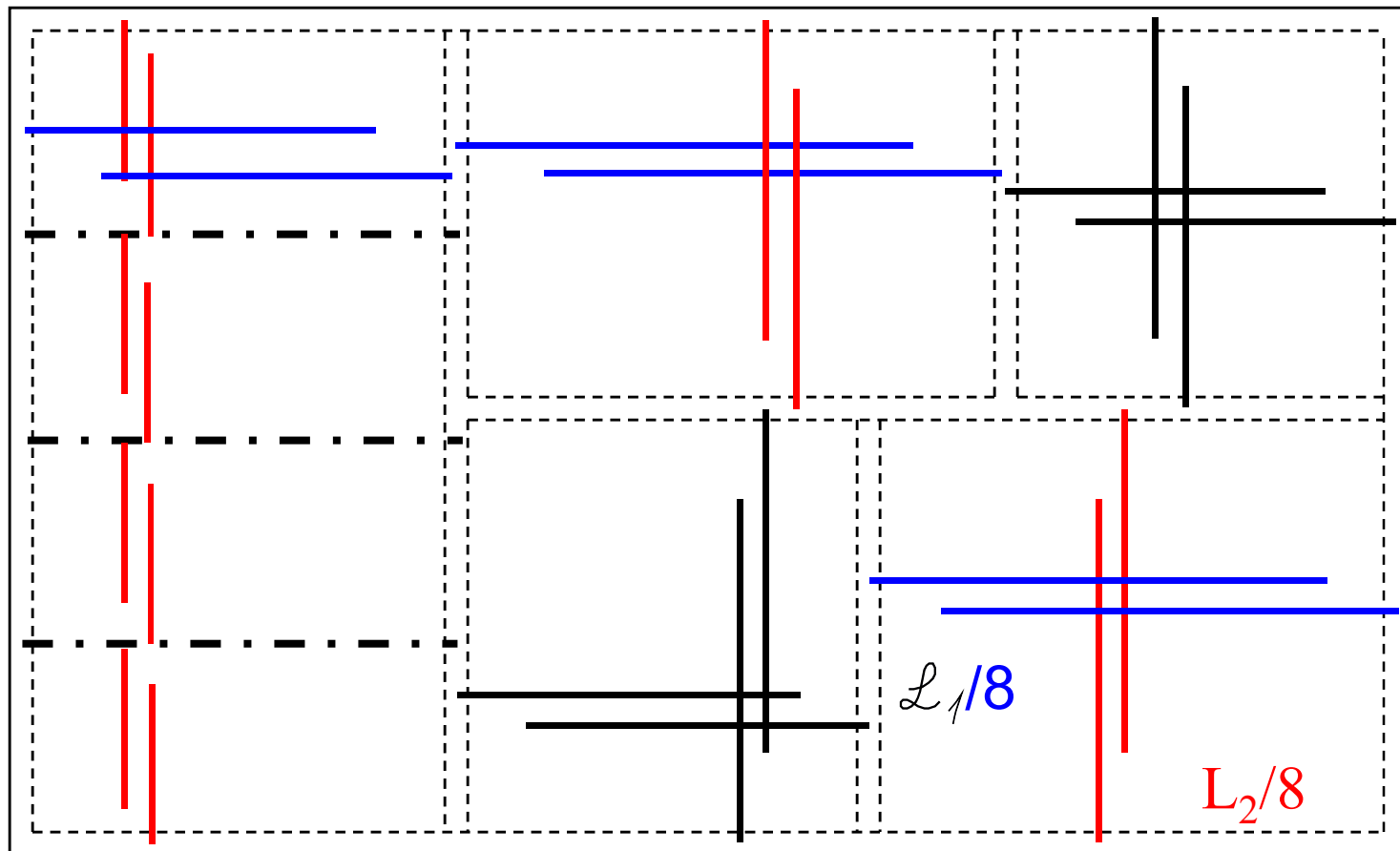
$$A_s(Provided) = \frac{A_s(1bar)}{Spacing(mm)} \times 1000$$

Spacing, Area in Slabs

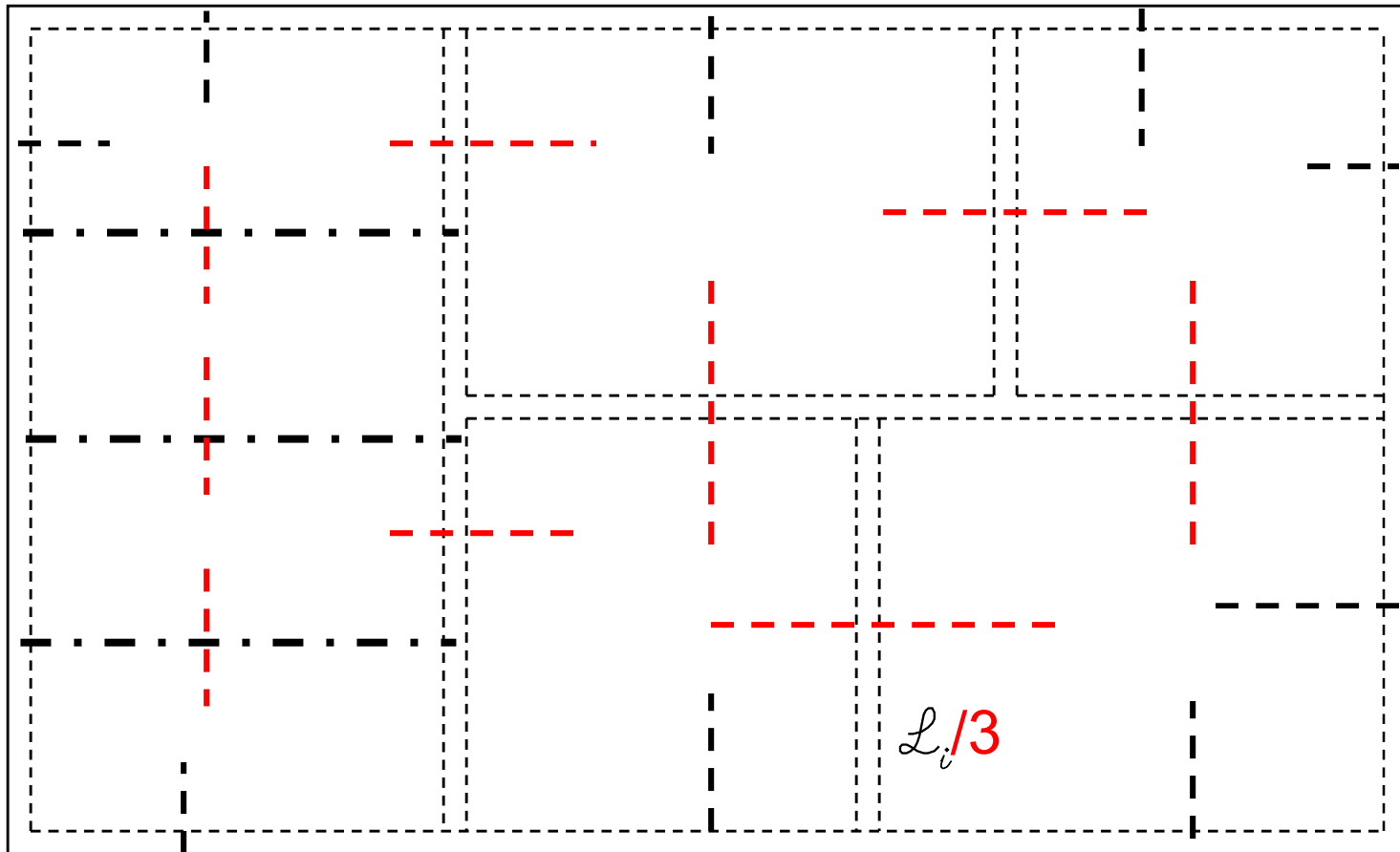
$$\text{Spacing (in)} = \frac{A_s (1\text{bar})}{A_s (\text{required})} \times 12$$

$$A_s (\text{Provided}) = \frac{A_s (1\text{bar})}{\text{Spacing (in)}} \times 12$$

BOTTOM BARS



BARS



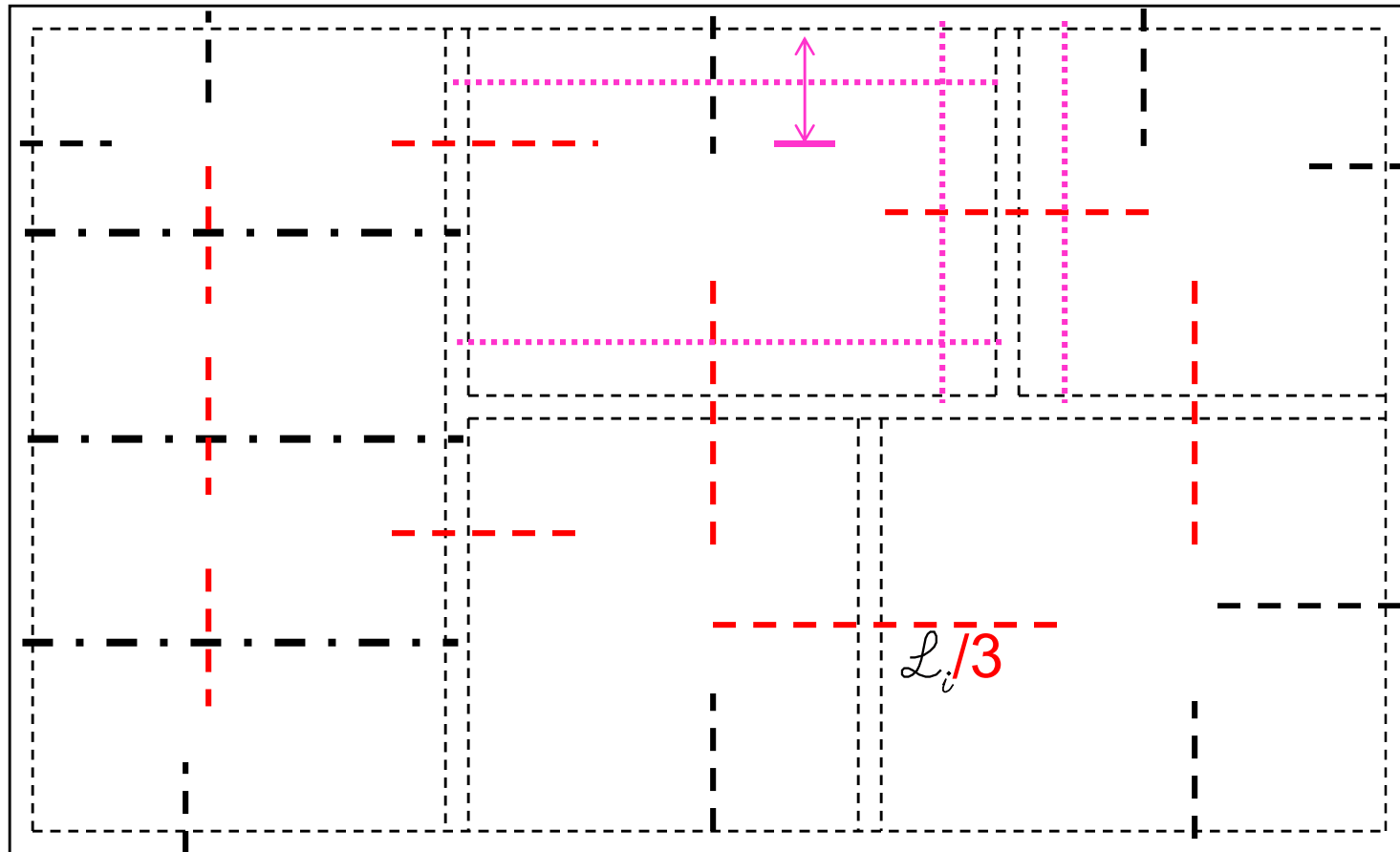
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TOP BARS (+Supporting)

Nominal Dia @ 18" C/C



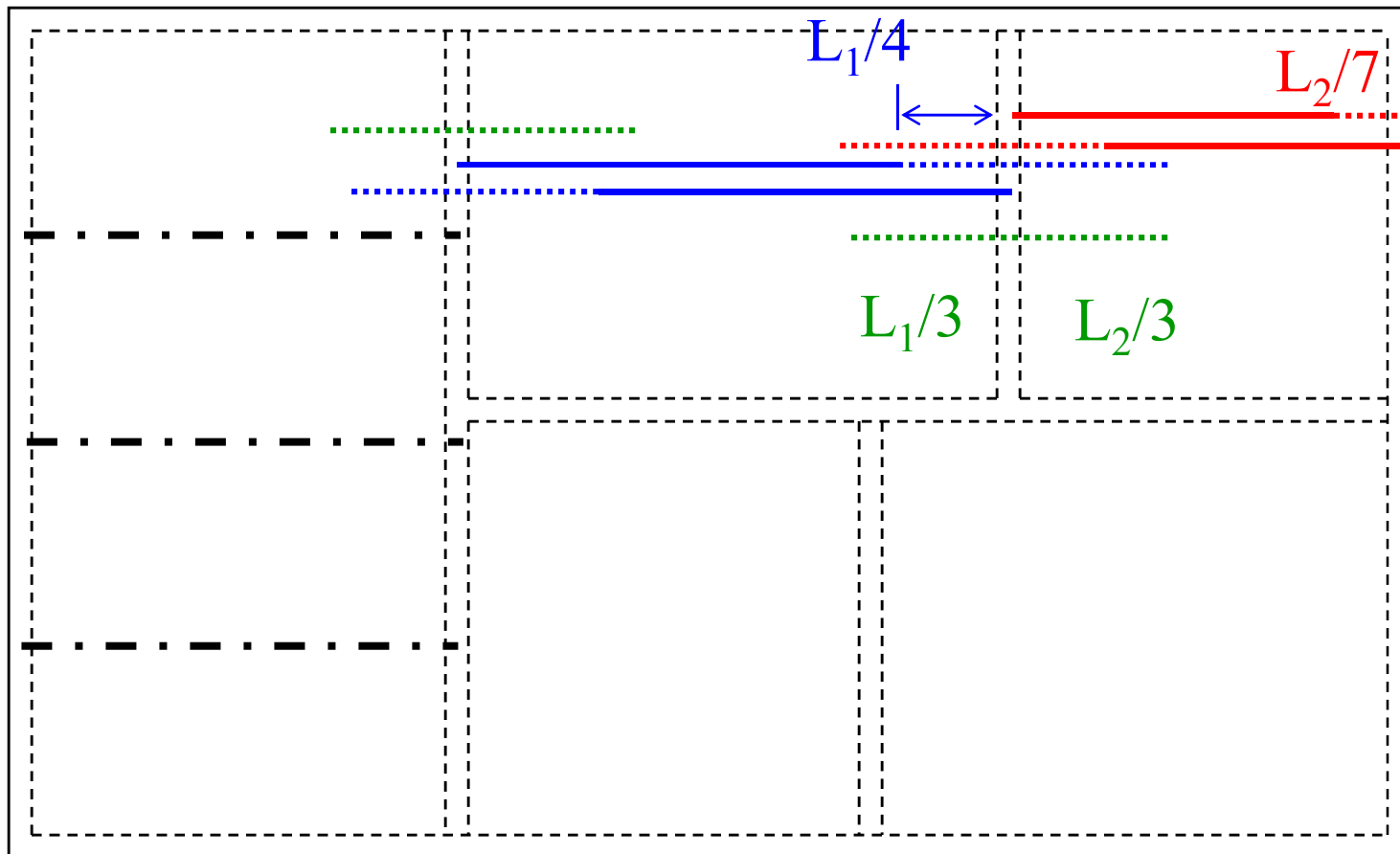
Normally not shown in Plan

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BENT UP BARS

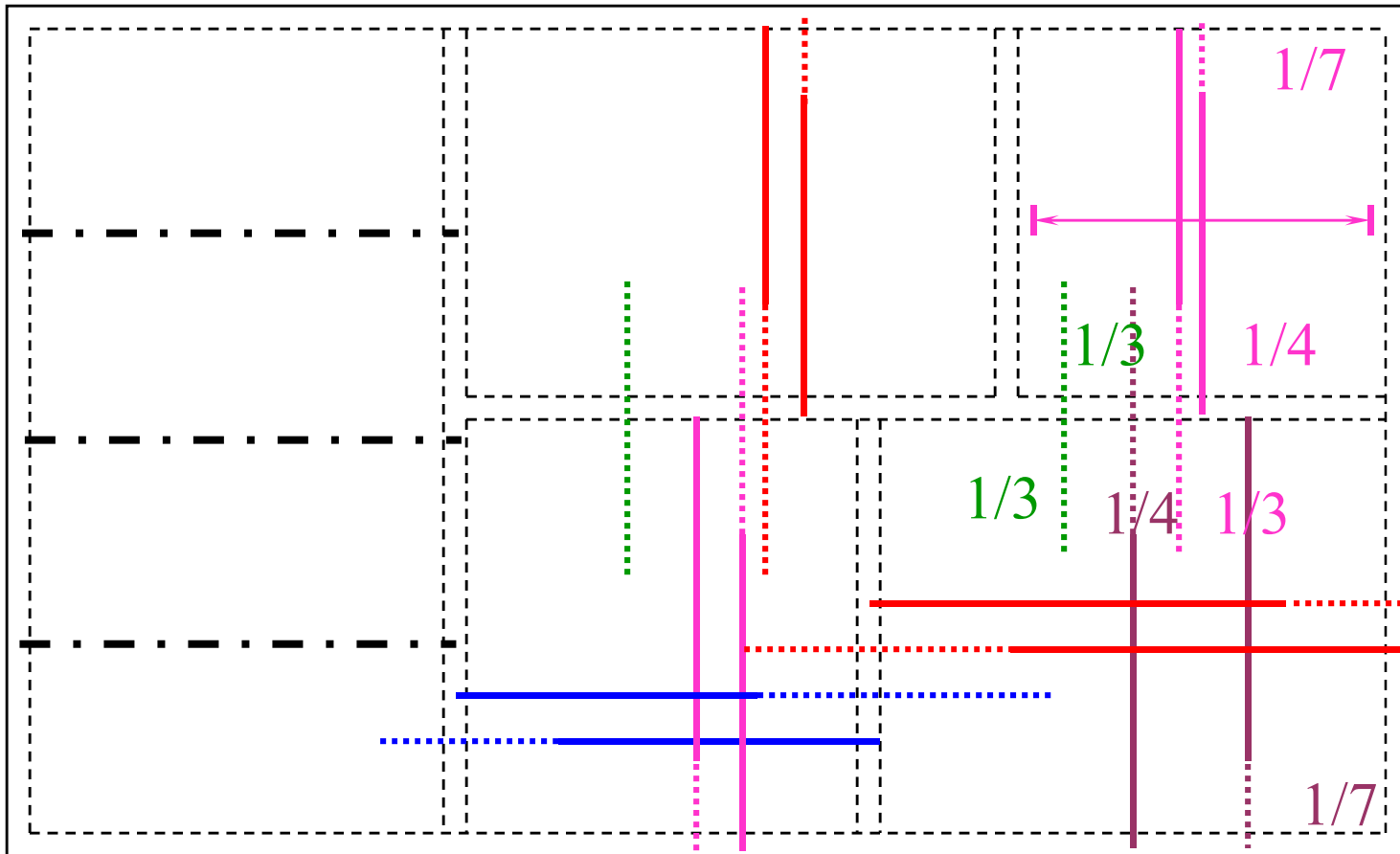


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BENT UP BARS

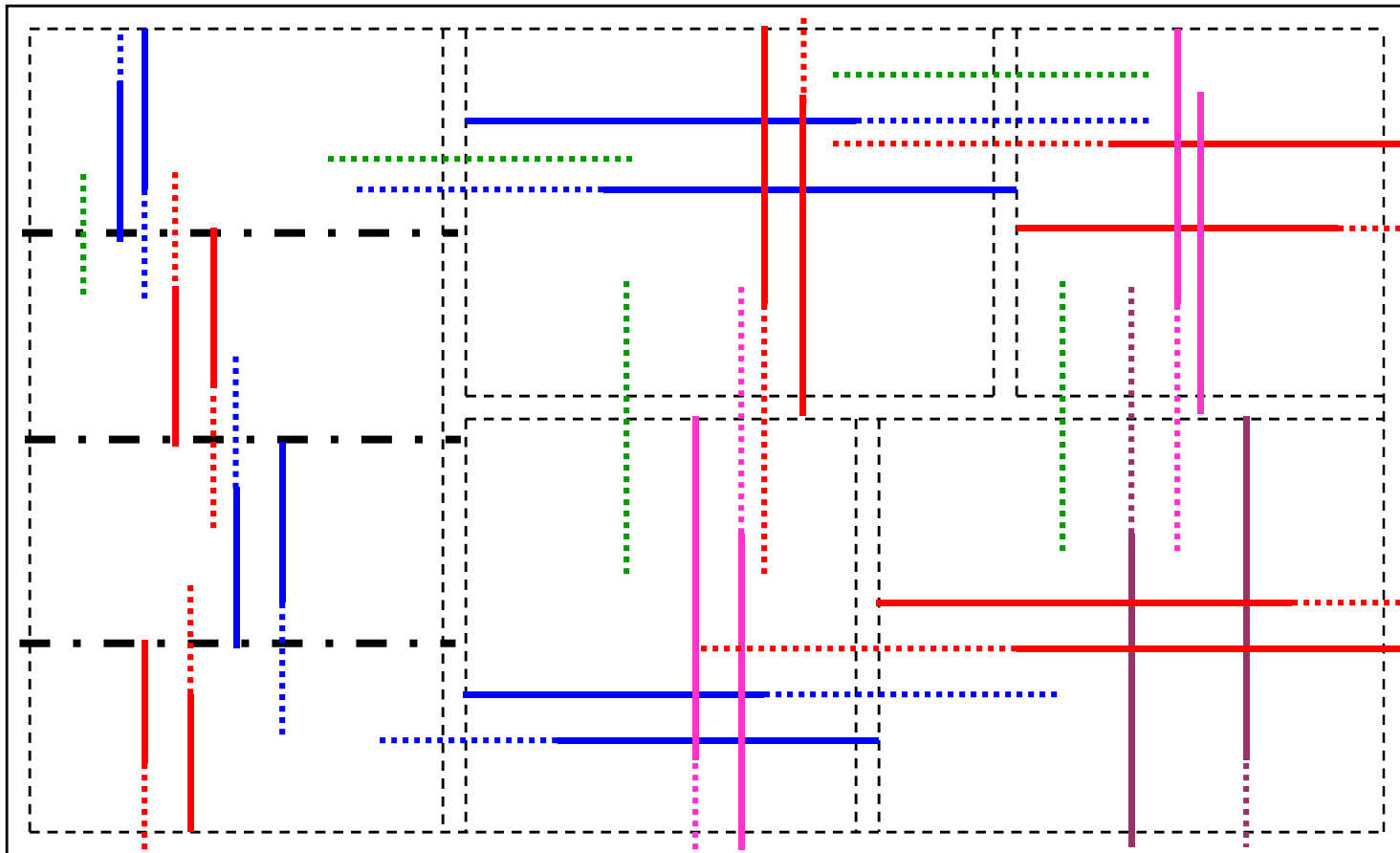


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BENT UP BARS



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Loose bar Spacing

A_s (required) = 1000 mm²
#4 @ 250 mm from Left
#3 @ 350 mm from Right

**Rounded to
nearest 25 mm**

$$A_s (\text{Provided}) = \frac{130 \times 1000}{250} + \frac{70 \times 1000}{350}$$
$$= 720 \text{ mm}^2$$

$$\text{Spacing} = \frac{130 \times 1000}{280} = 464 \text{ mm} = 450 \text{ mm}$$

(#4 bars)

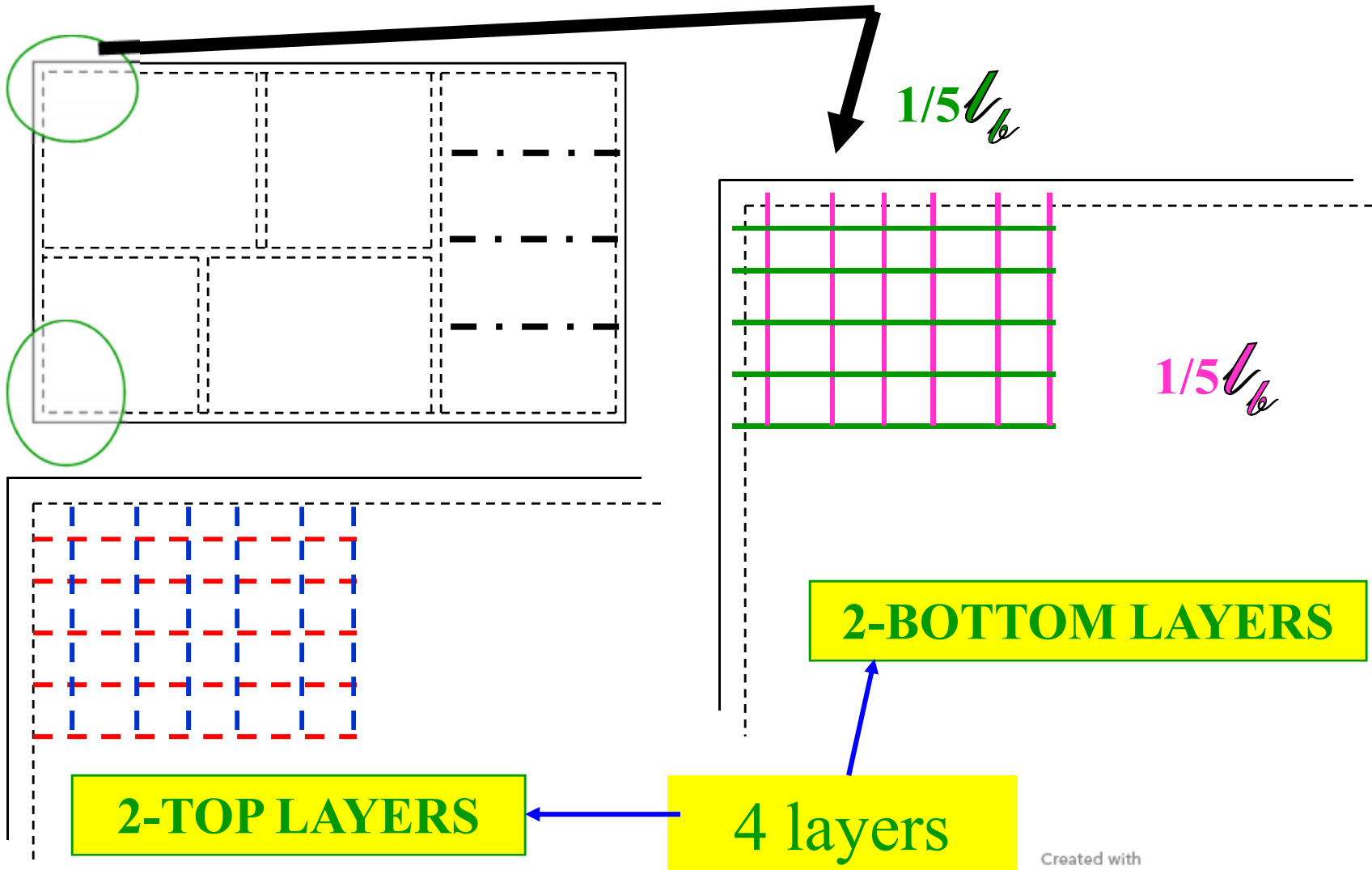
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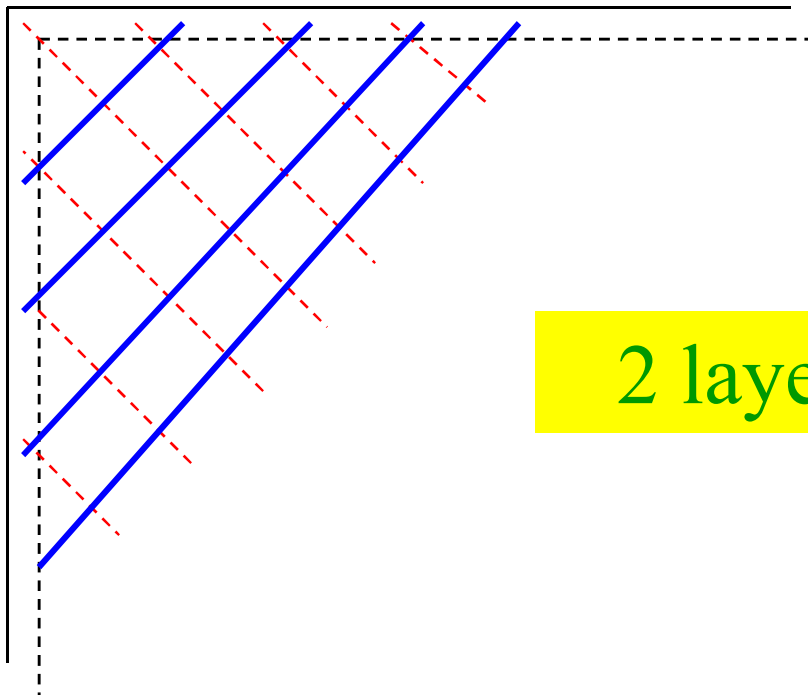
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CORNER REINFORCEMENT



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2 layers

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