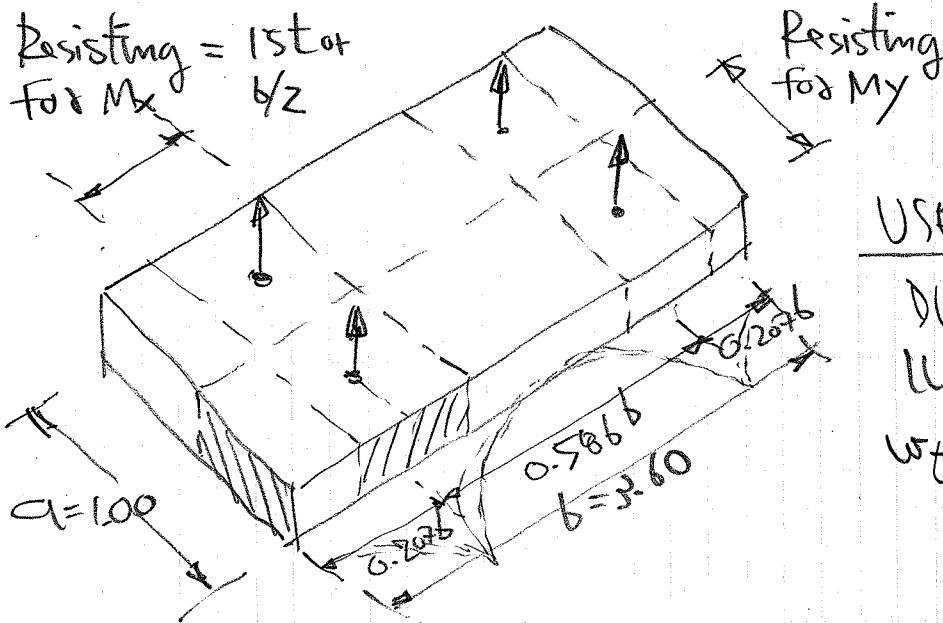


CALCULATION SHEET

PROJECT	YMP PIT	JOB ID	RD
SUBJECT	Removable RC Cover	DESIGNED	RD
		CHECKED	June '13
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		SHEET	



USE $t = 0.25 \text{ m}$

$DL = 600 \text{ kg/m}^2$

$LL = 5000 \text{ ''}$

$WT = \underline{\underline{5600 \text{ ''}}}$

Provided 4 Points pickup

$$M_x = M_x = 0.0107 w a^2 b$$

$$= 0.0107 \times 600 \times 1^2 \times 3.60$$

$$= 23.12 \text{ kg.m}$$

Resisting section for M_x ; $1st$ or $b/2$, whichever is less

$$1st = 3.75 \text{ m}$$

$$b/2 = 1.80 \text{ m}^*$$

$$A_{st} = 0.07 \text{ cm}^2$$

$$A_{stmin} = 4.50 \text{ ''}$$

$$M_y^{\ominus} = M_y^{\ominus} = 0.0107 w b a^2$$

$$= 84 \text{ kg.m} / 0.50 \text{ m}$$

$$A_{st} = 0.50 \text{ cm}^2 = \underline{\underline{D8@16@200(\tau)}}$$

Long Term

$$M = \frac{1}{8} \times 5600 \times 3.20^2$$

$$= 7168 \text{ kg.m}$$

$$A_{st} = 21.10 \text{ cm}^2$$

$$\underline{\underline{D8@20@150(\delta)}}$$