



UNIVERSIDAD DEL SURESTE

LICENCIATURA EN
ARQUITECTURA

COSTOS Y PRESUPUESTO

Integrante
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5to Cuatrimestre
Group A-14

$$\frac{0.0254}{8} = 0.003175 \times \phi = 0.015875$$

$$25 \times 4 = 100 + 30 = 1.30 \times 8 = 10.40m \times$$

$$\frac{0.0254}{4} = 0.00635 \times 15 = 0.09523$$

9.60 m

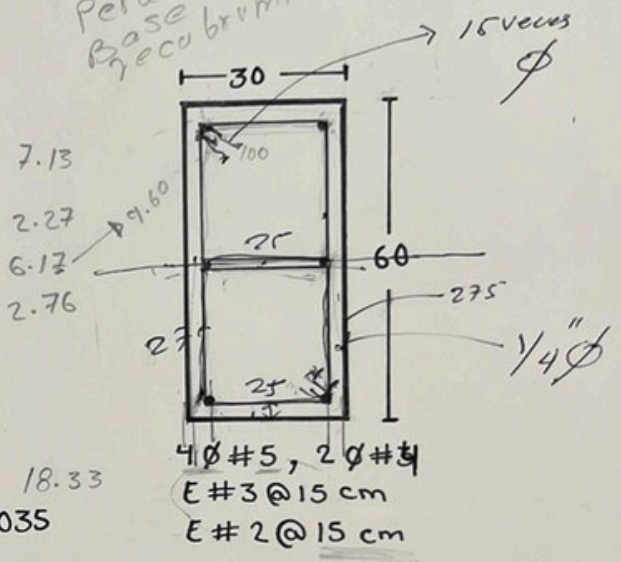
Varillas ϕ	#	kg/m
Alambre	2	0.25
5/16"	2.5	0.38
3/8"	3	0.56
1/2"	4	0.99
5/8"	5	1.55
3/4"	6	2.23
7/8"	7	3.042
1"	8	3.97

$$8/16 = 1/2$$

Varilla	m l	kg/m	Peso	15%	Total
#5	4	1.55	6.2	0.93	7.13
#4	2	0.99	1.98	0.297	2.27
#3	10.40	0.56	5.824	0.87	6.693
#2	9.60	0.25	2.40	0.36	2.76
Total					20.066
Alambre de Amarr					1.03
					21.069
					18.85 18.33

Costo M0 x kg \$ 15 x 21.069 kg = \$316.035

Peralte.
Base
recubrimiento



15

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#3	10.40	0.56	5.824	0.87	6.69
#2	9.60	0.25	2.40	0.36	2.76

$$1" = 2.54cm$$

$$\frac{15}{1} \times \frac{1}{4} \times \frac{2.54cm}{1} =$$

$$= \frac{15}{1} \times \frac{3}{8} \times \frac{2.54}{1} \times \frac{2}{1} \times \frac{2}{1} = 18.85$$

$$= \frac{1828.80}{8} = 228.60cm$$

$$= \frac{228.60cm}{1050.00cm} = 0.2177$$

$$1278.60cm = 1278.60cm + 15\% = 1470.39$$

$$\frac{15}{1} \times \frac{1}{4} \times \frac{2.54}{1} \times \frac{2}{1} = 19.04cm \cdot 15cm = 285.6cm$$

+ 15% = 2.875Kg

20cm

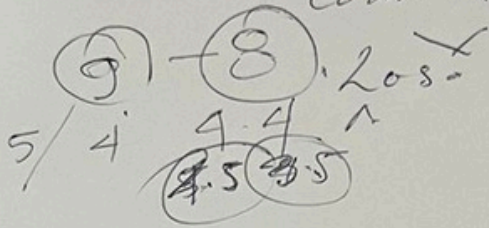
105

125 x 8 = 1000cm

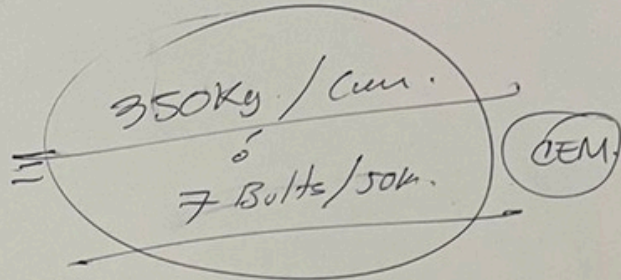
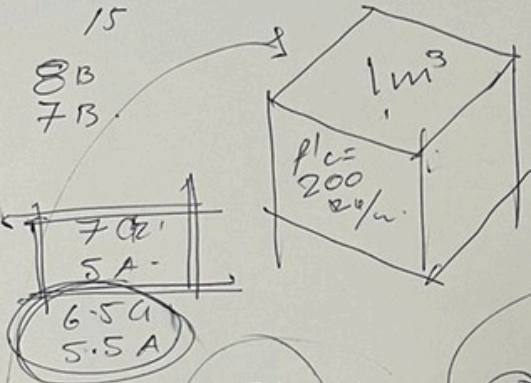
(10m) x 0.25kg/a

2.5Kg

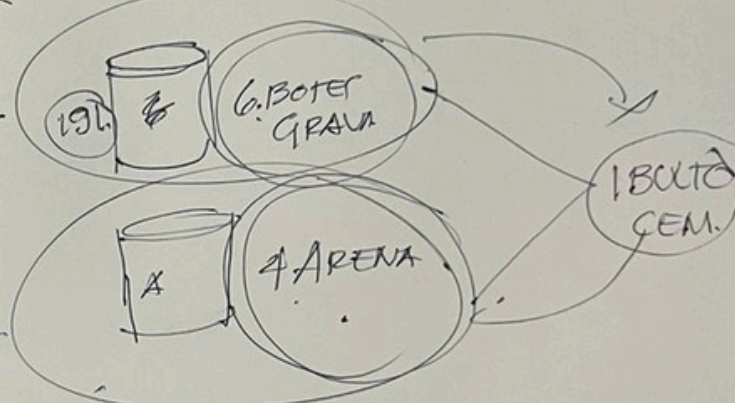
Color of $1\phi = f'c = 2000 \text{ Kg/cm}^2$
 $= 1 \text{ m}^3 = \frac{7 \text{ Bultos/50kg}}{50 \text{ Kg m.}}$



$\approx 950 \text{ Kg.}$



18L



CEM	7 BULTOS	350Kg
GRA	42 BOTES	0.756m ³
ARE	28 BOTES	0.504m ³
	250	
250	8 BULTOS	2
300	9 BULTOS	

~~108 BOTES (72L) GRAVA~~
 72L ARENA

0.108 m³ GRAVA
 0.072 m³ ARENA
 X

$7 \times 0.108 \text{ m}^3 \text{ GRAVA} = 0.756 \text{ m}^3$
 $7 \times 0.072 \text{ m}^3 \text{ ARENA} = 0.504 \text{ m}^3$

