



# UDS

## Mi Universidad

*Integrantes :*

*Ervin Altamirano Jimenez*

*Nombre del tema: Analisis de precios unitarios cimentaciones*

*Parcial: primero*

*Nombre de la Materia: Costos y presupuestos*

*Nombre del profesor: Abraham Alfonzo Andrade*

*Nombre de la Licenciatura: Arquitectura*

*Cuatrimestre: 5to*

Varilla	ml	kg/m	Peso	15%	total
#3	1	0.56	2.24	0.336	2.567
#2	5.92	0.25	1.48	0.222	1.708
Total =					4.269
5% Amorre					0.213
					4.477

Castillo de  $11 \times 16 + 11$   
 $15 \times 20 \text{cm}$   
 $4 \emptyset \#3, E \#2 @ 15 \text{cm}$

$$\begin{aligned}
 11 \times 2 &= 22 \\
 16 \times 2 &= 32 \\
 \hline
 &54 \\
 + 20 & \\
 \hline
 &74 \times 8 = 592 / 100 = 5.92
 \end{aligned}$$

#3	4	0.56	2.24	0.336	2.567
#2	5.92	0.25	1.48	0.222	1.708
Total =					4.269
+ 5 Amorre					0.269
					4.477

cadena de desplante  
 $15 \times 20 \text{cm}$   $4 \emptyset \#3, E \#2 @ 15 \text{cm}$

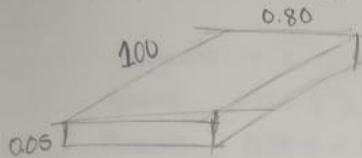
#3	7	0.56	3.92	0.588	4.508
#2.5	13.12	0.38	4.985	0.747	5.132
Total					10.24

5% Amorre 0.512  
 10.752

Contratrabe  $26 \times 46$   
 $30 \times 50 \text{cm}$   
 $7 \emptyset \#3 E \#2.5 @ 15 \text{cm}$

$$\begin{aligned}
 26 \times 2 &= 52 \\
 46 \times 2 &= 92 \\
 \hline
 &144 \\
 + 20 & \\
 \hline
 &164 \times 8 = 1312 / 100 \\
 &= 13.12
 \end{aligned}$$

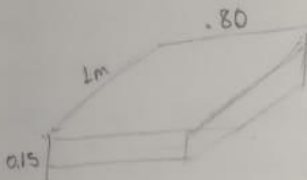
Plantilla concreto  
Pobre F'c 100 kg/cm<sup>2</sup>



$$V = 0.04 \text{ m}^3$$

Cemento	$5 \times 0.04 \text{ m}^3 = 0.2 \text{ m}^3$
Grava	$0.63 \times 0.04 \text{ m}^3 = 0.0252 \text{ m}^3$
Arena	$0.72 \times 0.04 \text{ m}^3 = 0.0288 \text{ m}^3$
Mas 10%	
	$0.2 \text{ m}^3 \times 1.10 = 2.2 \text{ m}^3$
	$0.0252 \times 1.10 = 0.0277 \text{ m}^3$
	$0.0288 \times 1.10 = 0.0316 \text{ m}^3$

Zapata F'c 200 kg/cm<sup>2</sup>



Cemento	$7 \times 0.12 \text{ m}^3 = 0.84 \text{ m}^3$
Grava	$0.756 \times 0.12 \text{ m}^3 = 0.09072$
Arena	$0.504 \times 0.12 \text{ m}^3 = 0.0604$
Mas 10%	
	$0.84 \text{ m}^3 \times 1.10 = .924 \text{ m}^3$
	$0.09072 \times 1.10 = .0997 \text{ m}^3$
	$0.0604 \times 1.10 = .0664 \text{ m}^3$

Contratrabe F'c 200 kg/cm<sup>2</sup>



Cemento	$7 \times 0.315 \text{ m}^3 = 2.205 \text{ m}^3$
Grava	$0.766 \times 0.315 \text{ m}^3 = 0.238 \text{ m}^3$
Arena	$0.504 \times 0.315 \text{ m}^3 = 0.158 \text{ m}^3$
Mas 10%	
	$2.205 \text{ m}^3 \times 1.10 = 2.425 \text{ m}^3$
	$0.238 \times 1.10 = .261 \text{ m}^3$
	$0.158 \times 1.10 = .174 \text{ m}^3$