



identificación y seguimiento a los procesos constructivos

Nombre del estudiante: Carlos Jesus Ordoñez Castro

Nombre del tema: APUNTES DE BITACORA

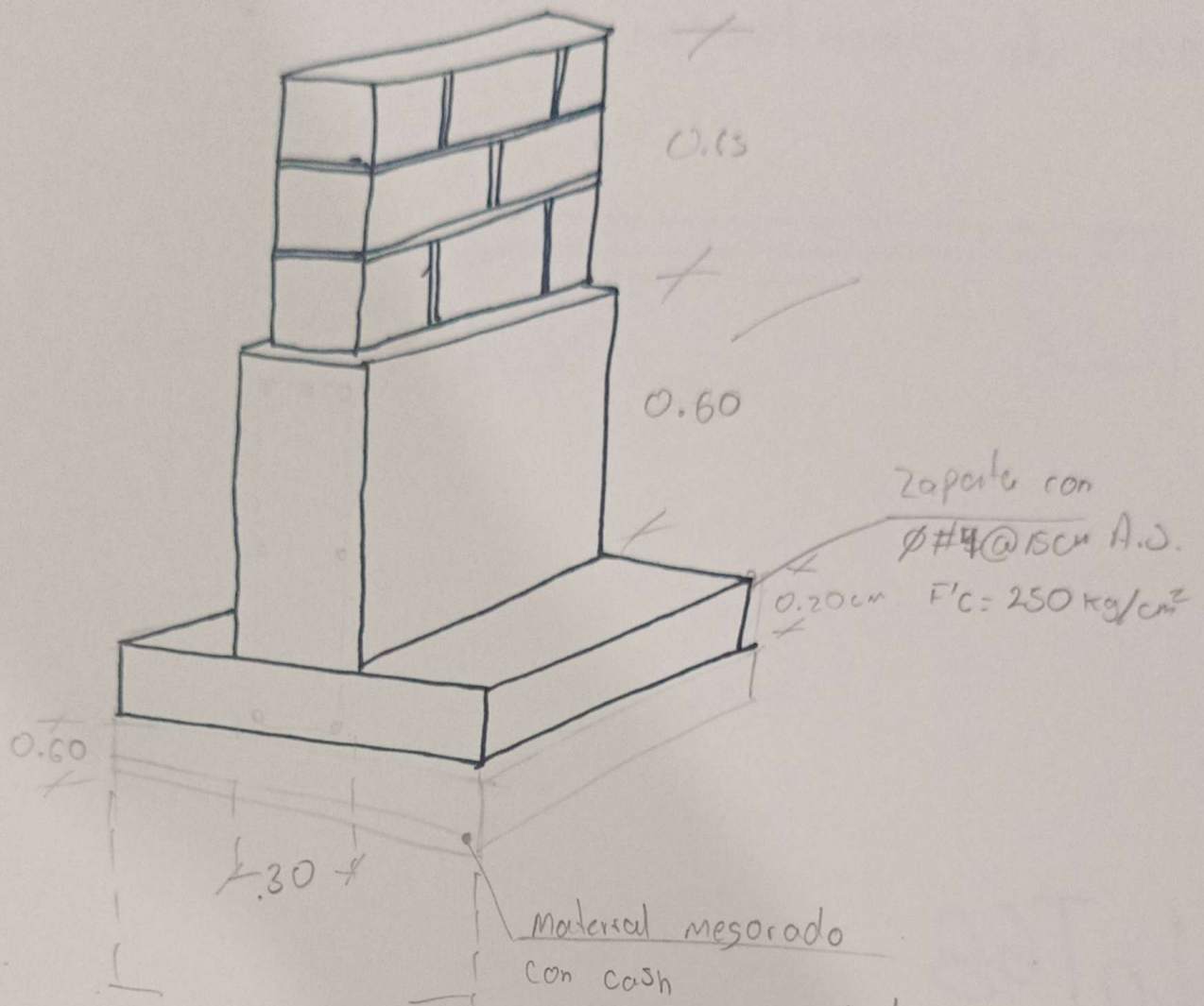
Parcial: 3

Nombre de la Materia: INTERPRETACION DE PROCESOS CONSTRUCTIVOS

Nombre del profesor: JUAN ANTONIO ALVAREZ AGUILAR

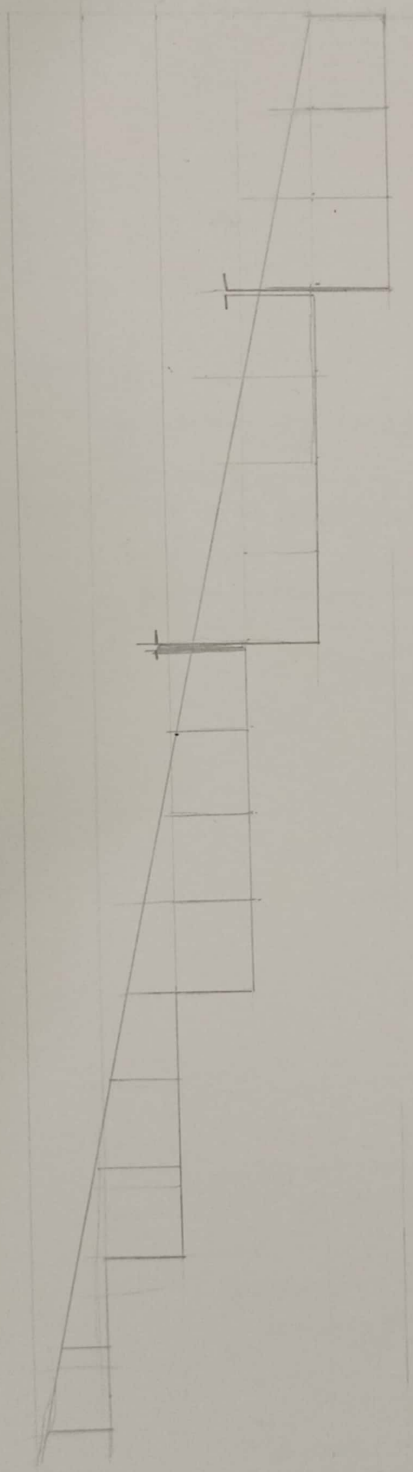
Nombre de la licenciatura: arquitectura

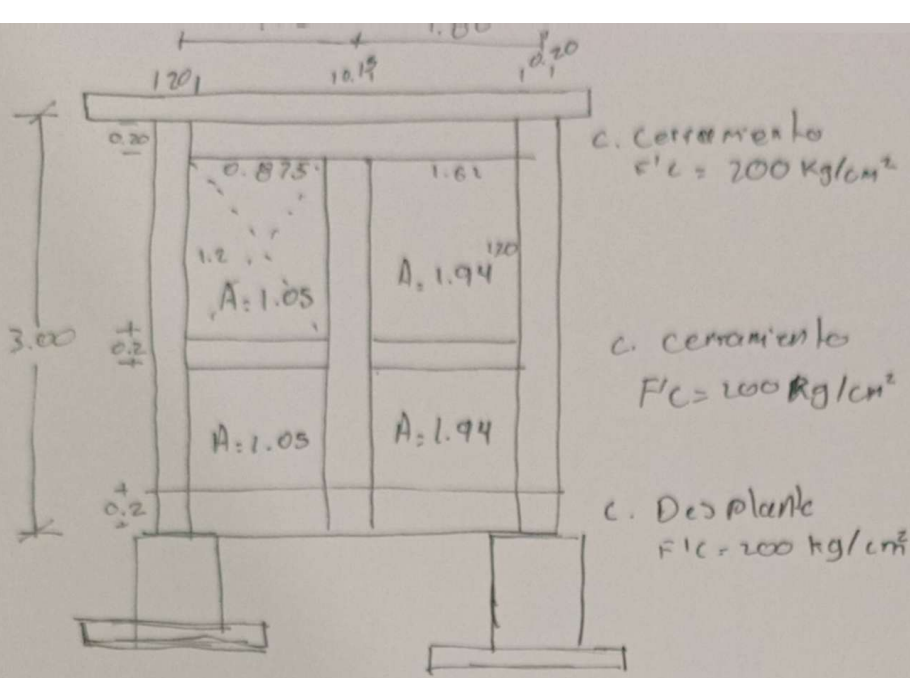
Cuatrimestre: 5



ZAPATA Corrida

Barda Perimetral





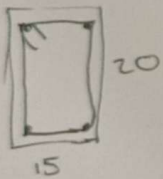
volumen de concreto en cadenas

$$A-B = 1.225 \times .20 \times .15 = .3675 \approx .37$$

$$B-C = 1.875 \times .20 \times .15 = 0.56$$

Volumen de concreto en castillos

$$1.20 \times .15 \times .15 = 0.027$$

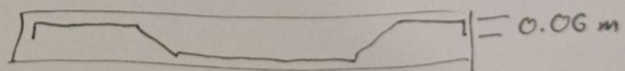
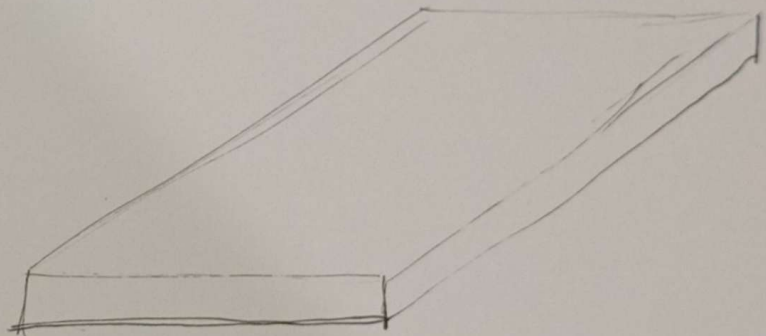


$$K-2 = 15 \times 20$$

4Ø#3, 6Ø#2 @ 15cm



13.01



$$\frac{3}{8} \text{ urs} = 1.80 + 0.12 \left(\frac{3}{1.80} / 0.20 \right) = 1.92 \text{ (16)} = \frac{30.72}{19.2} \text{ ml} = 3 \text{ piezas}$$

$$\frac{3}{8} \text{ urs} = 3.00 + 0.12 \left(\frac{1.8}{.2} \right) =$$

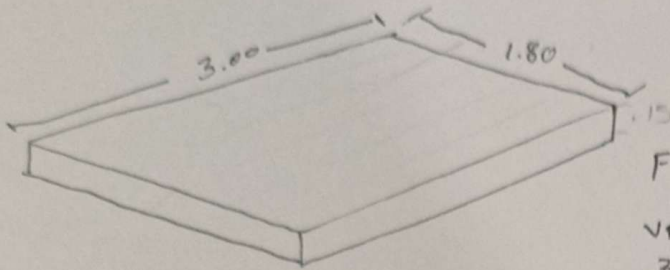
$$3.12 \text{ (10)} =$$

$$31.2 \text{ ml} = 3 \text{ piezas}$$

Costos y Presupuestos

Losa de Baño:

\$117 pesos



$F'c = 250 \text{ kg/cm}^2$

Var $\frac{3}{8}$ @ 15cm, Bar 1.00 @ 50cm $\frac{3}{8}$

0.81 m² de concreto

668.66

Concreto

Cemento
Areno
Grasa
Agua

0.31 = ~~2~~ 7 Bolsas de cemento
0.43
0.61 =
0.16

333.33 = 1 m³ de material
333.33

→ 1750

Acero

L = 3.05m
Piezas = 10

$\frac{30.7}{12} = 2.5 \approx 3$ varillas (117) = \$351

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L = 1.8

Piezas = 16

$\frac{30.4}{12} = 2.5 \approx 3$ (117) = \$351 = 702

1.8 = 10 piezas (1.10) = $\frac{11}{12} = 1$ varilla (117) = \$117

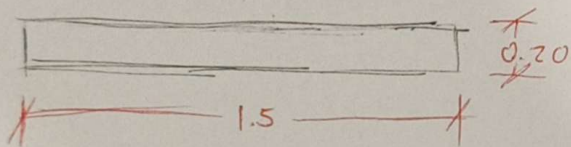
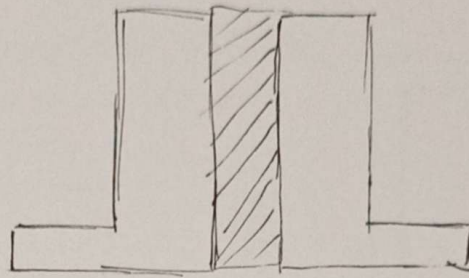
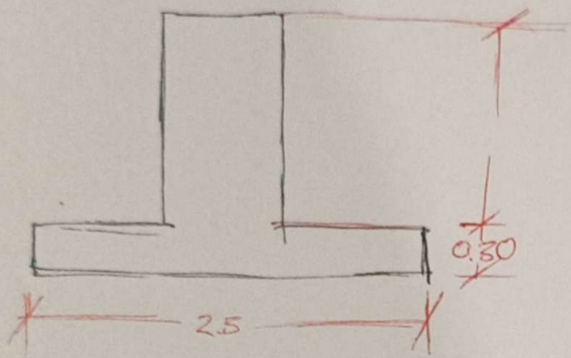
3 = 7 (2) E14 (1.10) = $\frac{15.4}{12} = 2$ varillas (117) = \$234

Alambri 10 = 9.05 kilos = 175 = \$300

Presio de material = \$3,769.66

\$1053

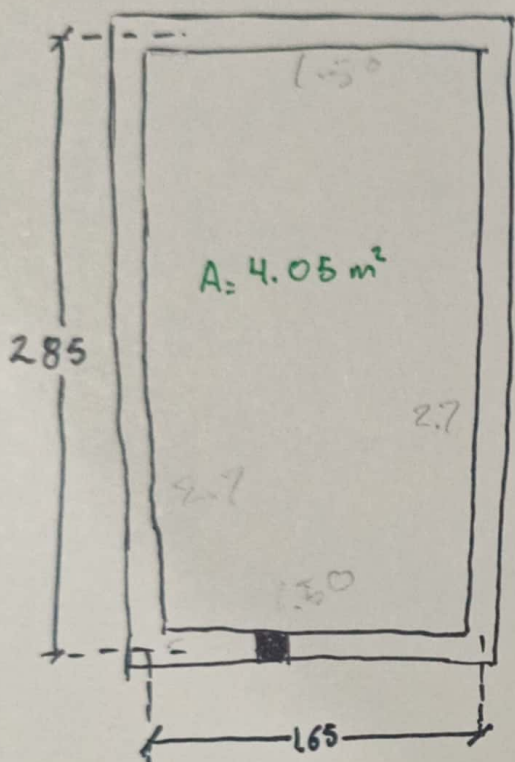
Dimensionamiento en estructuras de cimentación



Cuantificación.

4.05 m³

0.03



• Firme de concreto = 0.405 m³

Material: Cemento =
Avena =
Grava =
Agua =

• PISO cerámico

• Calcular pintura

24.4 % = 5 litros de pintura

• Repello

53.2

4.05

$$57.21 \text{ m}^2 (0.03) = 1.71 \text{ m}^3$$

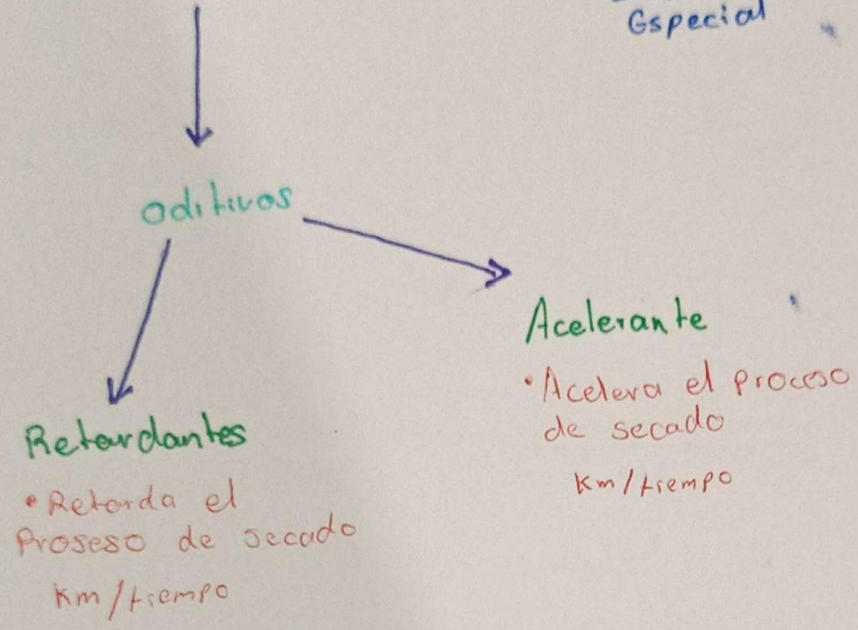
$$1000 \div 50 =$$

Cemento	0.3591	2 Bultos
Arena	2.007	21 latos
Cal	0.2137	2 Bultos
Agua	0.487	

5.6
1
5.00

Concreto premezclado

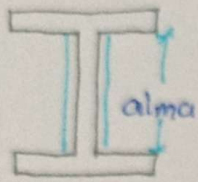
• 100, 150, 180, 200, 250, 300, →
Concreto Especial



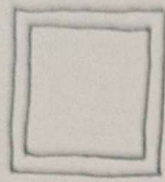
Costo de una olla de concreto

- Concreto \$ 14,500
- Bomba \$ 2,500
- adicional \$ Km

VIGAS IPR-IPS



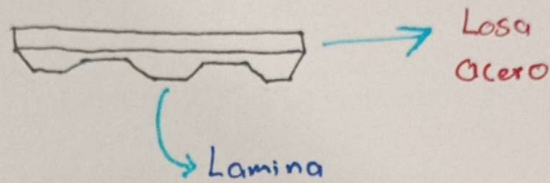
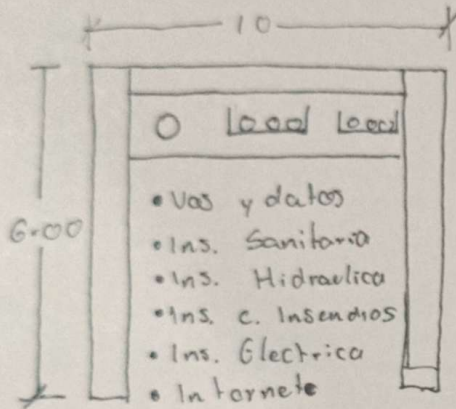
P.I



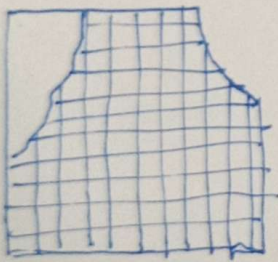
P.C.E



P.C.R



Uniones



Panel w
covi tec.

- pocos pasos
- S. costost.
- Resistencia Ext.
- Porbilidad
- Acabados.

