

**GRUPO B** EXAMEN DE MEDIO CURSO  
COSTOS Y PRESUPUESTOS - 2019 I

FECHA: 18.05.2019  
HORA: 03:30 - 05:00 pm  
AULA: P4-404

PREGUNTA UNICA: HALLAR LA SIGUIENTE  
(20 PTS) CANTIDAD DE:

- 1.1. ENCOFRADO ... m<sup>2</sup>
- 1.2. ACERO ... KG

METRAR CON FORMATO.

DATOS:

Recubrimientos  
zapatas: 70 mm

Columnas, Vigas  
y Muros: 40 mm

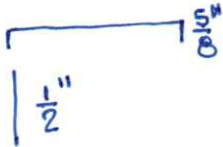
Dadlez:

└ = 12 db    ┌ = 12 db

┐  
└  
6 db

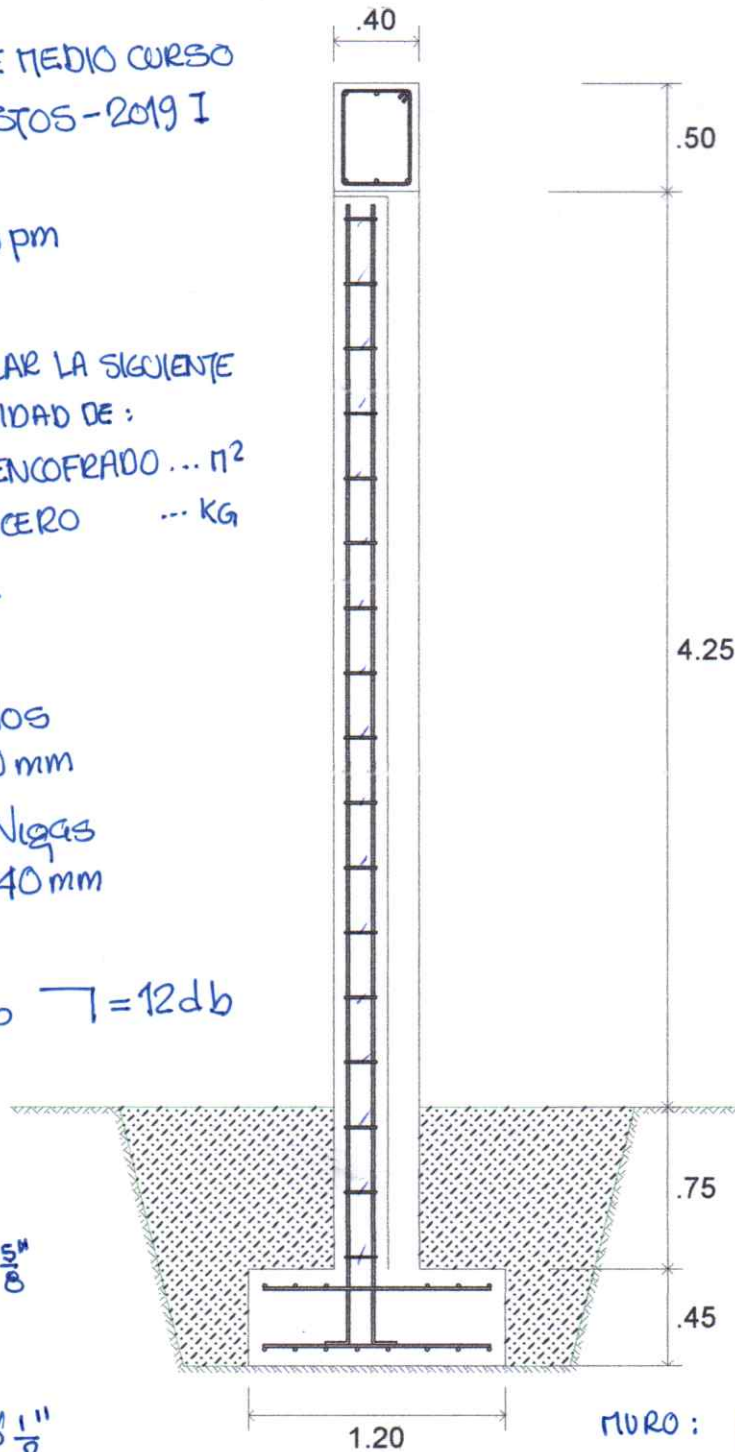
ACERO:

ZAPATA



COLUMNA:  $5\phi 5/8" + 3\phi 1/2"$

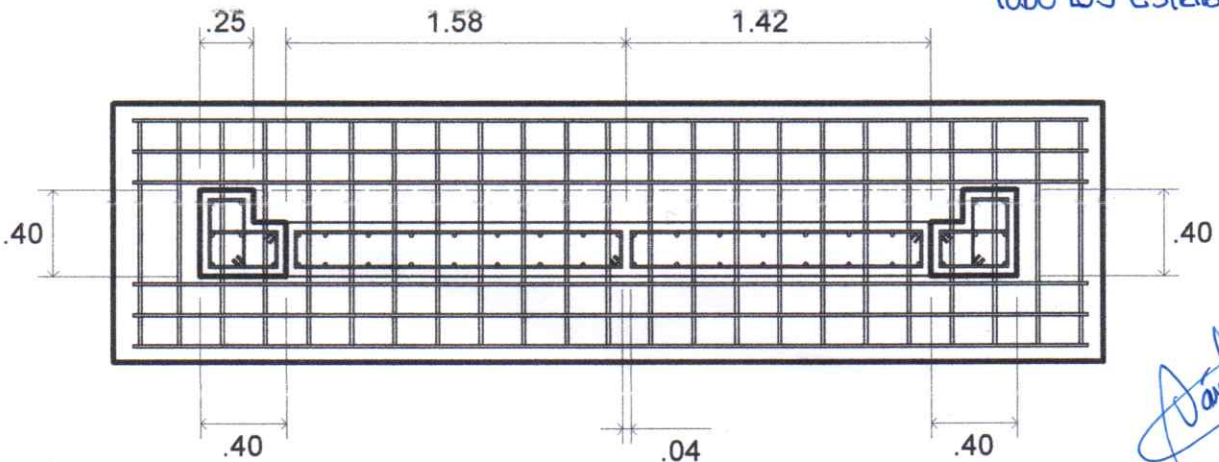
VIGAS:  $4\phi 5/8" + 2\phi 1/2"$



**SECCION**

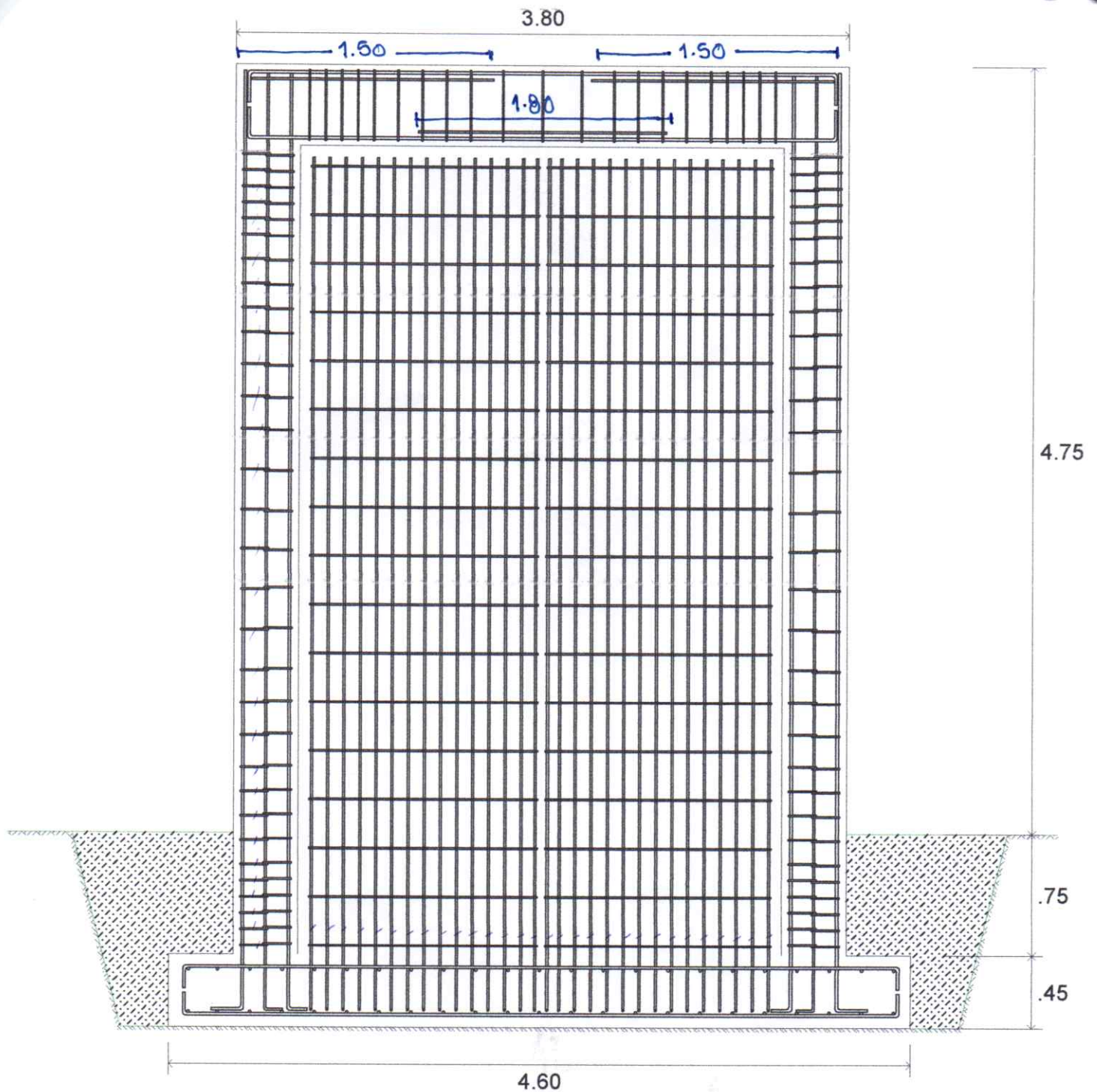
MURO:  $\left\{ \begin{array}{l} \text{vertical: } 1/2" \\ \text{horizontal: } 3/8" \end{array} \right.$

TODO LOS ESTRIBOS  $\phi 10"$

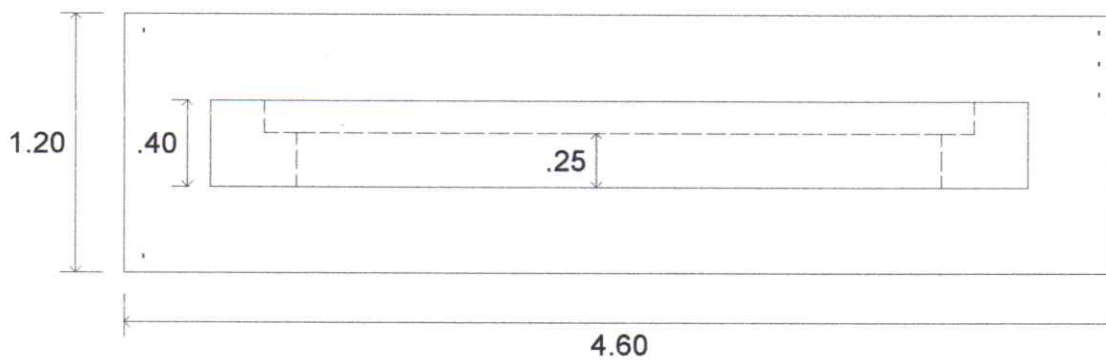


**CIMENTACION**

*Handwritten signature*



**ELEVACION**

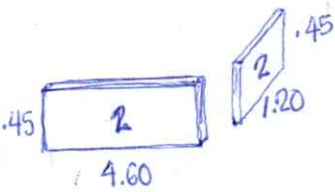
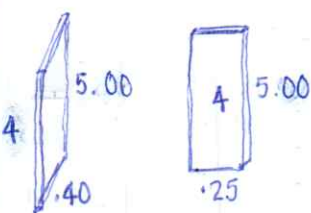

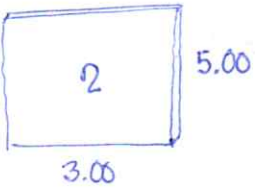
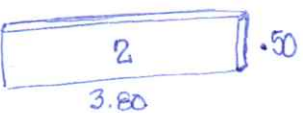
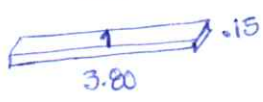


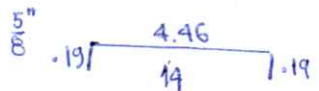
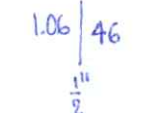


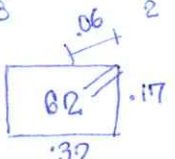

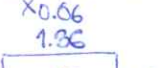
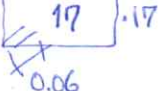
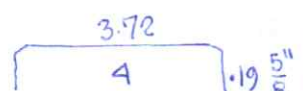
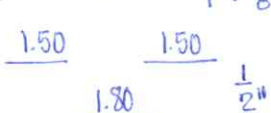
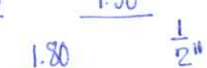
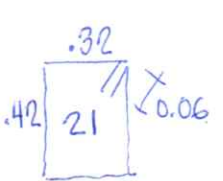
**PLANTA**



# SOLUCIONARIO GRUPO B / COSTOS Y PRESUPUESTOS :

## PREGUNTA UNICA:

ITEM	DESCRIPCION Y/O GRAFICO	UND	CANT	LONG.	ANCHO	ALTO	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	PARCIAL	TOTAL
1.1.	<u>ENCOFRADO:</u>										<b>5.22</b> ✓✓
1.1.1	ZAPATA	M <sup>2</sup>	2	4.60	-	0.45	-	-	-	4.14	
		M <sup>2</sup>	2	1.20	-	0.45	-	-	-	1.08	
1.1.2.	COLUMNA	M <sup>2</sup>	4	-	0.40	5.00	-	-	-	8.00	<b>16.00</b> ✓✓
		M <sup>2</sup>	4	-	0.25	5.00	-	-	-	5.00	
		M <sup>2</sup>	4	-	0.15	5.00	-	-	-	3.00	
1.1.3	MURO	M <sup>2</sup>	2	3.00	-	5.00	-	-	-	30.00	<b>30.00</b> ✓✓
											
1.1.4	VIGAS	M <sup>2</sup>	2	3.80	-	0.50	-	-	-	3.80	<b>4.37</b> ✓✓
		M <sup>2</sup>	1	3.80	0.15	-	-	-	-	0.57	
											

ITEM	DESCRIPCION Y/O GRAFICO	UND	CANT	LONG	ANCHO	ALTO	∅ 3/8"	∅ 1/2"	∅ 5/8"	PARCIAL	TOTAL
1.2	ACERO										
1.2.1	ZAPATAS										145.49
		Kg	14	4.48	-	-	-	-	1.55	97.22	
		Kg	46	1.06	-	-	-	0.99	-	48.27	
1.2.2	COLUMNAS										217.06
		Kg	10	6.00	-	-	-	-	1.55	93.06	
		Kg	6	5.96	-	-	-	0.99	-	35.40	
		Kg	62x2	1.10	-	-	0.65	-	-	88.66	
1.2.3	MUROS										427.84
		Kg	60	5.96	-	-	-	0.99	-	354.02	
		Kg	17	3.50	-	-	0.65	-	-	38.68	
		Kg	17	3.18	-	-	0.65	-	-	35.14	
1.2.4	VIGAS										57.47
		Kg	4	4.10	-	-	-	-	1.55	25.42	
		Kg	2	1.50	-	-	-	0.99	-	2.97	
		Kg	1	1.80	-	-	-	0.99	-	1.78	
		Kg	21	2.00	-	-	0.65	-	-	27.30	