

PRESENTA:

LÓPEZ DOMÍNGUEZ JOSÉ TRINIDAD

NOMBRE DEL TRABAJO:

“CALCULO DE CASA RESIDENCIAL”

MATERIA:

COSTOS Y PRESUPUESTOS II

CATEDRATICO:

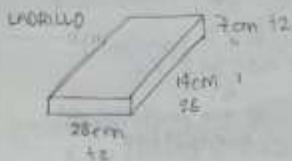
ARQ. BARAJAS PÉREZ PERLA MARISOL



PARCIAL “2”

" CALCULAR MURO "

5 c de 20m



7, 14, 28

calcular 1m² de Muro

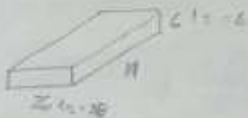
30 cm x 9cm

$= 0.30 \text{ m} \times 9 \text{ cm} = 0.027 \text{ m}^2$

$1 \text{ m}^2 / 0.027 \text{ m}^2 = 37.05$

$+ 5\% \text{ (Desperdicio)} = 38.85 = 39 \text{ Pzas}$

CALCULAR 15m² de muro
LADRILLO



Puerta 1.70

1.70

$28 \text{ cm} \times 8 \text{ cm} = 0.28 \text{ m} \times 0.08 = 0.0224$

$15 \text{ m}^2 / 0.0224 = 669.6428 + 5\% = 703.12 = 704 \text{ Pzas}$

703.12 = 704 Pzas

0.10 > 11

(25x15) CALCULO DE MURO " CASA HABITACION "

02/06/25

• Block Muecos

ladrillos



INTERAL

$0.20 \times 11 = 2.2$

$25 - 2.2 = 22.8 \text{ m libres}$

$2.70 - 0.40 = 2.30 (22.8 \text{ m}) = 52.44 \text{ m}^2$

calcular = 52.44 m² de muro

$0.42 \text{ m} \times 0.22 \text{ m} = 0.0924 \text{ m}^2$

$52.44 \text{ m}^2 / 0.0924 \text{ m}^2 = 567.53 + 5\% = 595.40 =$

596 Pzas (2) = 1,192 Pzas

PARTE TRASERA (17-70) 0.45 1.65 13.15

$0.15 (3) = 0.45 + 0.20 = 0.65$

$14.70 - 0.65 = 14.05 \text{ m libres}$

$2.70 - 0.40 = 2.30 (14.05) = 30.82 \text{ m}^2$

$0.42 \text{ m} \times 0.22 \text{ m} = 0.0924 \text{ m}^2 = 30.82 \text{ m}^2 / 0.0924 \text{ m}^2$

$= 333.549 + 5\% = 350.226 = 351 \text{ Pzas}$

FRONTAL

$6.35 - 4.05 = 2.30 \text{ m libres}$

$2.70 - 0.40 = 2.30 (2.30) = 5.29 \text{ m}^2$



$5.29 \text{ m}^2 / 0.0924 = 57.25 + 5\% = 60.11 = 61 \text{ Pzas}$

47 Pzas de los pedacitos de muro.

110 Pzas

CALCULO PARA HABITACION

• Block Hoeco



$$\# 1^{\circ} (0.21 - 0.50 - 0.40 - 1.21 = 2.40)$$

$$0.15 \times 3 = 1.2$$

$$2.60 - 1.2 = 1.4 \text{ m libras}$$

$$2.70 - 0.40 = 2.30 (1.40) = 3.22 \text{ m}^2$$

calcular 3.22 m^2

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$3.22 \text{ m}^2 / 0.0924 \text{ m}^2 = 34.84 + 5\% = 36.59 = \underline{37 \text{ Pzns}}$$

2^o (4.45)

$$0.15 \times 1 = 0.15 + 0.20 = 0.35$$

$$4.45 - 0.35 = 4.10 \text{ m libras}$$

$$2.70 - 0.40 = 2.30 (4.10) = 9.43 \text{ m}^2$$

calcular 9.43 m^2

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$9.43 \text{ m}^2 / 0.0924 \text{ m}^2 = 102.05 + 5\% = 107.15 = \underline{108 \text{ Pzns}}$$

3^o (24.07 - 1.01 - 3.50 - 3.00 = 13.66)

$$0.15 \times 9 = 1.35 + 0.30 = 1.65$$

$$13.66 - 1.65 = 12.11 \text{ libras}$$

$$2.70 - 0.40 = 2.30 (12.11) = 27.85 \text{ m}^2$$

calcular 27.85 m^2

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$27.85 \text{ m}^2 / 0.0924 \text{ m}^2 = 301.40 + 5\% = 316.47 = \underline{317 \text{ Pzns}}$$

$$1.2 = 1.2 \times 0.2 + 4.2 = 1.17$$

4^o (2.93 - 0.70 - 2 - 3.43 = 3.40)

$$0.15 \times 8 = 0.75$$

$$3.40 - 0.75 = 2.65 \text{ m libras}$$

$$2.70 - 0.40 = 2.30 (2.65) = 6.09 \text{ m}^2$$

calcular 6.09 m^2

$$0.42 \text{ cm}^2 \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$6.09 \text{ m}^2 / 0.0924 \text{ m}^2 = 65.90 + 5\% = 69.20$$

$$= \underline{70 \text{ Pzns}}$$

5^o (2.93 m)

$$0.20 \times 1 = 0.20$$

$$2.93 - 0.20 = 2.73 \text{ m libras}$$

$$2.70 - 0.40 = 2.30 (2.73) = 6.279 \text{ m}^2$$

calcular 6.27 m^2

$$0.42 \text{ cm}^2 \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$6.27 \text{ m}^2 / 0.0924 \text{ m}^2 = 67.85 + 5\% = 71.25$$

$$= \underline{72 \text{ Pzns}}$$

6^o (7.5 - 2 - 2.20 = 2.30)

$$0.15 \times 4 = 0.60$$

$$2.30 - 0.60 = 0.20 \text{ m libras}$$

$$2.70 - 0.40 = 2.30 (2.30) = 5.06 \text{ m}^2$$

calcular 5.06 m^2

$$0.42 \text{ cm}^2 \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$5.06 \text{ m}^2 / 0.0924 \text{ m}^2 = 54.76 + 5\% = 57.5$$

$$= \underline{58 \text{ Pzns}}$$

$$\#7^{\circ} (2.70 - 0.75 = 2.05)$$

$$0.15 \times 2 = 0.30$$

$$2.05 - 0.30 = 1.75 \text{ m Libras}$$

$$2.70 - 0.40 = 2.30 (1.70) = 4.02 \text{ m}^2$$

calcular 4.02 m^2

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$4.02 / 0.0924 = 43.50 + 5\% = 45.68 = \underline{46 \text{ PzAs}}$$

$$\#8^{\circ} (1.42 - 0.75 = 0.67)$$

$$0.16 \times 1 = 0.16$$

$$0.67 - 0.16 = 0.51 \text{ m libras}$$

$$2.70 - 0.40 = 2.30 (0.62) = 1.19 \text{ m}^2$$

calcular 1.19 m^2

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$1.19 \text{ m}^2 / 0.0924 \text{ m}^2 = 12.87 + 5\% = 13.52 = \underline{14 \text{ PzAs}}$$

PIEDRA TOTALES VERTICALES = 722 PzAs

$$\#9^{\circ} (1.75)$$

$$0.15 \times 1 = 0.15$$

$$1.75 - 0.16 = 1.60 \text{ m libras}$$

$$2.70 - 0.40 = 2.30 (1.30) = 4.14 \text{ m}^2$$

calcular 4.14 m^2

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$4.14 \text{ m}^2 / 0.0924 \text{ m}^2 = 44.81 + 5\% = 47.04 = \underline{48 \text{ PzAs}}$$

$$\#2^{\circ} (0.75 \text{ m})$$

$$0.16 \times 1 = 0.16$$

$$0.75 - 0.16 = 0.60 \text{ m libras}$$

$$2.70 - 0.40 = 2.30 (0.60) = 1.38 \text{ m}^2$$

calcular 1.38 m^2

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$1.38 \text{ m}^2 / 0.0924 \text{ m}^2 = 14.93 + 5\% = 15.68 = \underline{16 \text{ PzAs}}$$

$$\#3^{\circ} (2.75 - 0.75 = 2)$$

$$0.15 \times 1 = 0.15$$

$$2 - 0.16 = 1.85 \text{ m libras}$$

$$2.70 - 0.40 = 2.30 (1.85) = 4.25 \text{ m}^2$$

calcular 4.25 m^2

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$4.25 \text{ m}^2 / 0.0924 \text{ m}^2 = 45.99 + 5\% = 48.29 = \underline{49 \text{ PzAs}}$$

$$\# 4'' (7-2=5)$$

$$0.20 \times 1 = 0.20 \text{ fo. } 15 = 0.35$$

$$5 - 0.35 = 4.65 \text{ m. libras}$$

$$2.70 - 0.40 = 2.30 (4.65) = 10.69 \text{ m}^2$$

$$\text{calcular } 10.69 \text{ m}^2$$

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$10.69 \text{ m}^2 / 0.0924 \text{ m}^2 = 115.69 \div 5 \%$$

$$= 121.47 = 122 \text{ PzAs}$$

$$\# 5'' (6.30-2=4.30)$$

$$0.20 \times 1 = 0.20 \text{ fo. } 15 = 0.35$$

$$4.30 - 0.35 = 3.95 \text{ m. libras}$$

$$2.70 - 0.40 = 2.30 (3.95) = 9.28 \text{ m}^2$$

$$\text{calcular } 9.28 \text{ m}^2$$

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$9.28 \text{ m}^2 / 0.0924 \text{ m}^2 = 98.26 = 103.18$$

$$= 104 \text{ PzAs}$$

$$\# 6'' (6.30-0.90=5.40)$$

$$0.15 \times 1 = 0.15$$

$$5.40 - 0.15 = 5.25 \text{ m. libras}$$

$$2.70 - 0.40 = 2.30 (5.25) = 12.07 \text{ m}^2$$

$$\text{calcular } 12.07 \text{ m}^2$$

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$12.07 / 0.0924 = 130.62 \div 5 \%$$

$$= 136 \text{ PzAs}$$

$$\# 7'' (6.30-2.70=4.17)$$

$$0.20 \times 1 = 0.20 \text{ fo. } 15 = 0.35$$

$$4.17 - 0.35 = 3.82 \text{ m. libras}$$

$$2.70 - 0.40 = 2.30 (3.82) = 8.90 \text{ m}^2$$

$$\text{calcular } 8.90 \text{ m}^2$$

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$8.90 \text{ m}^2 / 0.0924 \text{ m}^2 = 96.32 \div 5 \%$$

$$= 101 \text{ PzAs}$$

$$\# 8'' (1.43)$$

$$1.43 \text{ m. libras}$$

$$2.70 - 0.40 = 2.30 (1.70) = 3.28 \text{ m}^2$$

$$\text{calcular } 3.28 \text{ m}^2$$

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$3.28 \text{ m}^2 / 0.0924 \text{ m}^2 = 35.49 \div 5 \%$$

$$= 37.27 = 38 \text{ PzAs}$$

$$\# 9'' (5.10-0.90=4.20)$$

$$0.15 \times 1 = 0.15$$

$$4.20 - 0.15 = 4.05 \text{ m. libras}$$

$$2.70 - 0.40 = 2.30 (4.20) = 9.66 \text{ m}^2$$

$$\text{calcular } 9.66 \text{ m}^2$$

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$9.66 \text{ m}^2 / 0.0924 \text{ m}^2 = 104.54 \div 5 \%$$

$$= 110 \text{ PzAs}$$

10" (7.15)

$$0.20 \times 1 = 0.20 + 0.15 = 0.35$$

$$7.15 - 0.35 = 6.8 \text{ m. libros}$$

$$2.70 - 0.40 = 2.30 (6.8) = 15.64 \text{ m}^2$$

calcular 15.64 m^2

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$15.64 \text{ m}^2 / 0.0924 \text{ m}^2 = 169.26 + 5\%$$

$$177.72 = \underline{178 \text{ Pzas}}$$

11" (3)

$$0.20 \times 1 = 0.20 + 0.15 = 0.35$$

$$3 - 0.35 = 2.65 \text{ m. libros}$$

$$2.70 - 0.40 = 2.30 (2.65) = 6.09 \text{ m}^2$$

calcular 6.09 m^2

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$6.09 \text{ m}^2 / 0.0924 \text{ m}^2 = 65.90 + 5\% = 69.20$$

$$= \underline{70 \text{ Pzas}}$$

18" (5.70)

$$0.15 \times 1 = 0.15$$

$$5.70 - 0.25 = 4.75 \text{ m. libros}$$

$$2.70 - 0.40 = 2.30 (4.75) = 10.92 \text{ m}^2$$

calcular 10.92 m^2

$$0.42 \text{ cm} \times 0.22 \text{ cm} = 0.0924 \text{ m}^2$$

$$10.92 \text{ m}^2 / 0.0924 \text{ m}^2 = 118.18 + 5\% = 124.09$$

$$= \underline{125 \text{ Pzas}}$$

PIEZAS TOTALES HORIZONTALES : 1100 Pzas

VERTICALES 722 Pzas

• 1,822 Pzas

LATERALES 1,192 Pzas

TRASERA 381 Pzas

3,365 Pzas

FRONTAL 110 Pzas

3,475 Pzas