

UNIVERSIDAD DEL SURESTE
ARQUITECTURA 5° A
TALLER DE MATERIALES BÁSICOS
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VOLUMEN DE OBRA

Z-I

| Concepto | Unidad | Eje | Tramo | Largo | Ancho | Profundidad | Peza | Total | Observación |
|----------------------------|----------------|-----|-------|-------|-------|-------------|------|---------|---|
| Limpeza | m ³ | A | 1 | 1.05 | 1.05 | 0.20 | 1 | 0.2205 | |
| Nivelación | m ³ | A | 1 | 1.05 | 1.05 | 0.30 | 1 | 0.3075 | |
| Excavación | m ³ | A | 1 | 1.15 | 1.5 | 1.55 | 1 | 0.6498 | + Abundamiento 2.0498 x 1.30 = 2.664 |
| Plantilla | | | | | | | | | |
| Fc 100kg/m ² | m ² | A | 1 | 1.15 | 1.15 | 0.05 | 1 | 0.06125 | Hot Despacho |
| Varilla n°3 | Pza | 1 | A | 1.19 | / | / | 8 | 9.52 | |
| Varilla n°3 | Pza | 1 | A | 1.19 | / | / | 8 | 9.52 | |
| Dado Varilla 5 | Pza | A | 1 | 2.45 | / | / | 8 | 19.60 | Desperdicio = 7% 1.635 x 10.7 = 1.74 |
| E# Dobles | kg | A | 1 | 3.56 | / | / | 14 | 49.84 | |
| Concreto | | | | | | | | | |
| Fc = 200kg/cm ² | | | | | | | | | |
| Base Zapata | M3 | A | 1 | 1.05 | 1.05 | 0.20 | 1 | 0.2205 | Total de concreto |
| Dado | M3 | A | 1 | 0.45 | 0.45 | 1.30 | 1 | 0.2632 | = 0.4857 + Desp x 1.05 = 0.5078 |

Z-II

| Concepto | Unidad | Eje | Tramo | Largo | Ancho | Profundidad | Peza | Total | Observación |
|------------------------------------|----------------|-----|-------|-------|-------|-------------|------|--------|----------------------|
| Limpeza | m ³ | A | 1 | 1.40 | 2.50 | 0.20 | 1 | 0.7 | |
| Nivelación | m ³ | A | 1 | 1.40 | 2.50 | .30 | 1 | 1.05 | |
| Excavación | m ³ | A | 1 | 1.50 | 2.60 | 1.55 | 1 | 6.045 | |
| Plantilla | | | | | | | | | |
| concreto Fc 100 cm ² | m ³ | A | 1 | 1.40 | 2.50 | 0.05 | 1 | | |
| Varilla n°4 | Pza | 1 | A | 33.3 | / | / | / | | |
| Varilla n°4 | Pza | 1 | A | 34.9 | / | / | / | | |
| Dado Varilla 5 | Pza | A | 1 | 0.45 | 0.45 | | | | |
| E# Dobles | kg | A | 1 | 3.56 | / | / | 14 | 49.84 | |
| Concreto | | | | | | | | | |
| Fc = 200kg/cm ² | | | | | | | | | |
| Base Zapata | M3 | A | 1 | 2.50 | 1.40 | 0.25 | 1 | 0.875 | Total de concrete |
| Dado | M3 | A | 1 | 0.45 | 0.45 | 1.25 | 1 | 0.2531 | + Desper |
| | | | | | | | | 1.1844 | |