

SANDRA GUADALUPE RUIZ MORALES

TALLER DE CONSTRUCCION DE MATERIALES BASICOS

VOLUMEN DE OBRA

GARCÍA LÓPEZ PEDRO ALBERTO

12 DE FEBRERO DEL 2021



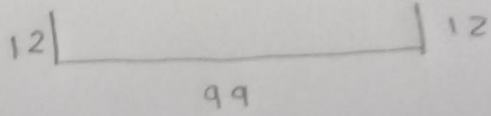
Z1

concepto	eje	tramo	U	base	long.	altura	Pza	área	volumen	demanda	Total
Excavación	A-B	1-2	m ³	1.25	1.25	1.55	/	/	2.42	1.25	3.025
Varilla 3/8" no. 3	A-B	1-2	Pza	/	1.23	/	8	/	/	1.03	10.1352ml
	1-2	A-B	Pza	/	1.23	/	8	/	/	1.03	10.1352ml
											20.2704/12 = 1.6892 Pza
Plantilla P'c = 100kg/m ²	A-B	1-2	m ³	1.25	1.25	0.05	/	/	0.078	1.05	0.082
concreto P'c = 200kg/m ²	A-B	1-2	m ³	1.05	1.05	0.20	/	/	0.2205	1.05	0.2315
Excavación	A-B	1-2	m ³	1.60	2.70	1.55	/	/	6.696	1.25	8.37
Varilla no 4 1/2" @ 15	A-B	1-2	Pza	/	1.64	/	18	/	/	1.04	30.70ml
				/	2.74	/	8	/	/	1.04	22.79ml
Varilla no. 4 1/2" @ 20	A-B	1-2	Pza	/							53.497/12 = 4.458 Pza
Plantilla	A-B	1-2	m ³	1.60	2.70	0.05	/	/	0.216	1.05	0.2268
concreto	A-B	1-2	m ³	1.40	2.50	0.25	/	/	0.875	1.05	0.918

Z2

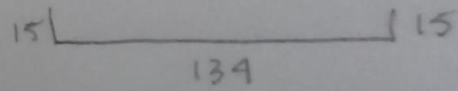
Z1 {

- Vanilla $3/8'' @ 15$
- $105 - 6 = 99 + 24 = 1.23 \text{ m}$
- $P_{205} = 105 / 15 + 1 = 8$



Z2 {

- Vanilla $1/2'' @ 15$
- $140 - 6 = 134 + 30 = 1.64 \text{ m}$
- $P_{205} = 250 / 15 + 1 = 18$



- Vanilla $1/2'' @ 20$
- $250 - 6 = 244 + 30 = 2.74 \text{ m}$
- $P_{205} = 140 / 20 + 1 = 8$

