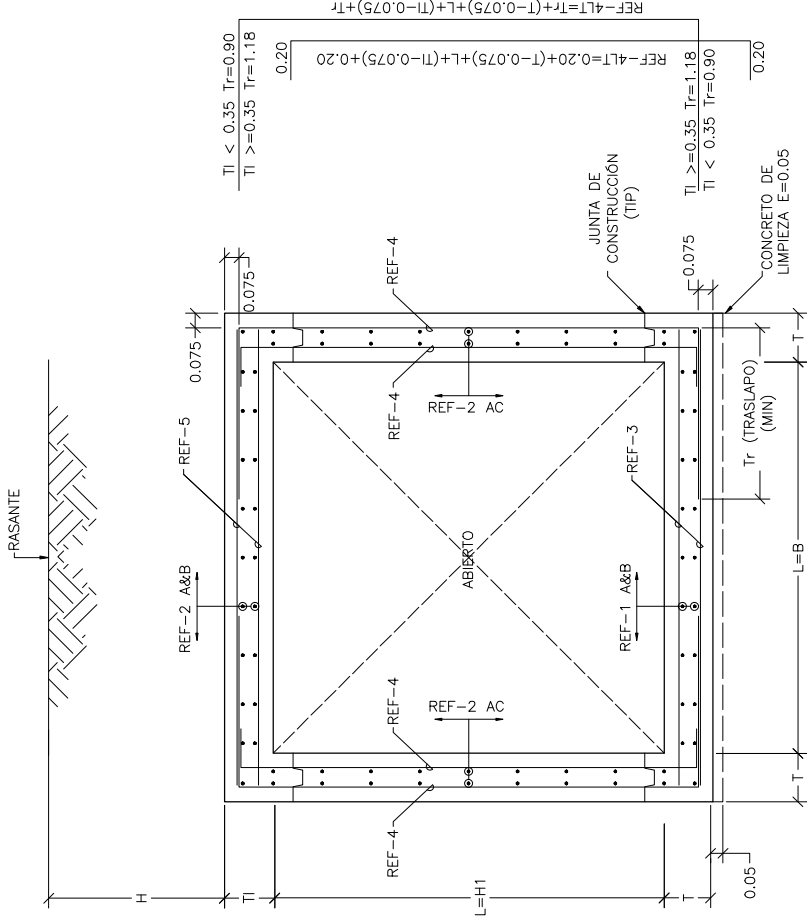
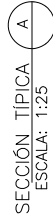




$$\text{REF-3} = (T - 0.075) + L + (T - 0.075)$$

$$\text{REF-5} = -(T - 0.075) + L + (T - 0.075)$$



SECCIÓN TÍPICA
ESCALA: 1:25

ESPECIFICACIONES DE DISEÑO	
–	CONCRETO $f'_c = 21 \text{ MPa}$ (3000 PSI, Clase D)
–	ACERO CORRUGADO $f_y = 420 \text{ MPa}$ (60000 PSI)
–	TODAS LAS MEDIDAS ESTÁN DADAS EN METROS.

BOX COULVERT – H1=2.00 m x B=2.00 m									
ALTURA DEL RELLENO (H)	ESPESORES		REFUERZO					CANTIDADES DE OBRA	
	T	Tl	REF – 1	REF – 2	REF – 3	REF – 4	REF – 5	CONCRETO m ³ /m	ACERO Kg/m
0.00 – 0.30	0.30	0.35	1/2" @0.25	1/2" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.89	0.13
0.30 – 0.60	0.30	0.30	1/2" @0.25	1/2" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.76	0.13
0.60 – 1.00	0.25	0.25	1/2" @0.25	1/2" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.25	0.13
1.00 – 1.50	0.25	0.25	1/2" @0.25	1/2" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.25	0.13
1.50 – 2.00	0.25	0.25	1/2" @0.25	1/2" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.25	0.13
2.00 – 2.50	0.25	0.25	1/2" @0.25	1/2" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.25	0.13
2.50 – 3.00	0.25	0.25	1/2" @0.25	1/2" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.25	0.13
3.00 – 4.00	0.25	0.25	1/2" @0.25	1/2" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.25	0.13
4.00 – 5.00	0.25	0.25	1/2" @0.25	1/2" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.25	0.13
5.00 – 6.00	0.25	0.25	1/2" @0.25	1/2" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.25	0.13
6.00 – 7.00	0.25	0.25	1/2" @0.25	1/2" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.25	0.13
7.00 – 8.00	0.30	0.30	1/2" @0.25	1/2" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.76	0.13

BOX COULVERT – H1=2.50 m x B=2.50 m									
ALTURA DEL RELLENO (H)	ESPESORES		REFUERZO					CANTIDADES DE OBRA	
	T	Tl	REF – 1	REF – 2	REF – 3	REF – 4	REF – 5	CONCRETO m ³ /m	ACERO Kg/m
0.00 – 0.30	0.35	0.40	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	4.15	0.16
0.30 – 0.60	0.30	0.30	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	3.36	0.16
0.60 – 1.00	0.25	0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.75	0.15
1.00 – 1.50	0.25	0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.75	0.15
1.50 – 2.00	0.25	0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.75	0.15
2.00 – 2.50	0.25	0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.75	0.15
2.50 – 3.00	0.25	0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.75	0.15
3.00 – 4.00	0.25	0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.75	0.15
4.00 – 5.00	0.25	0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	2.75	0.15
5.00 – 6.00	0.30	0.30	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	3.36	0.16
6.00 – 7.00	0.30	0.30	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	3.36	0.16
7.00 – 8.00	0.35	0.35	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	5/8" @0.25 5/8" @0.25 5/8" @0.25 5/8" @0.25	3.99	0.16