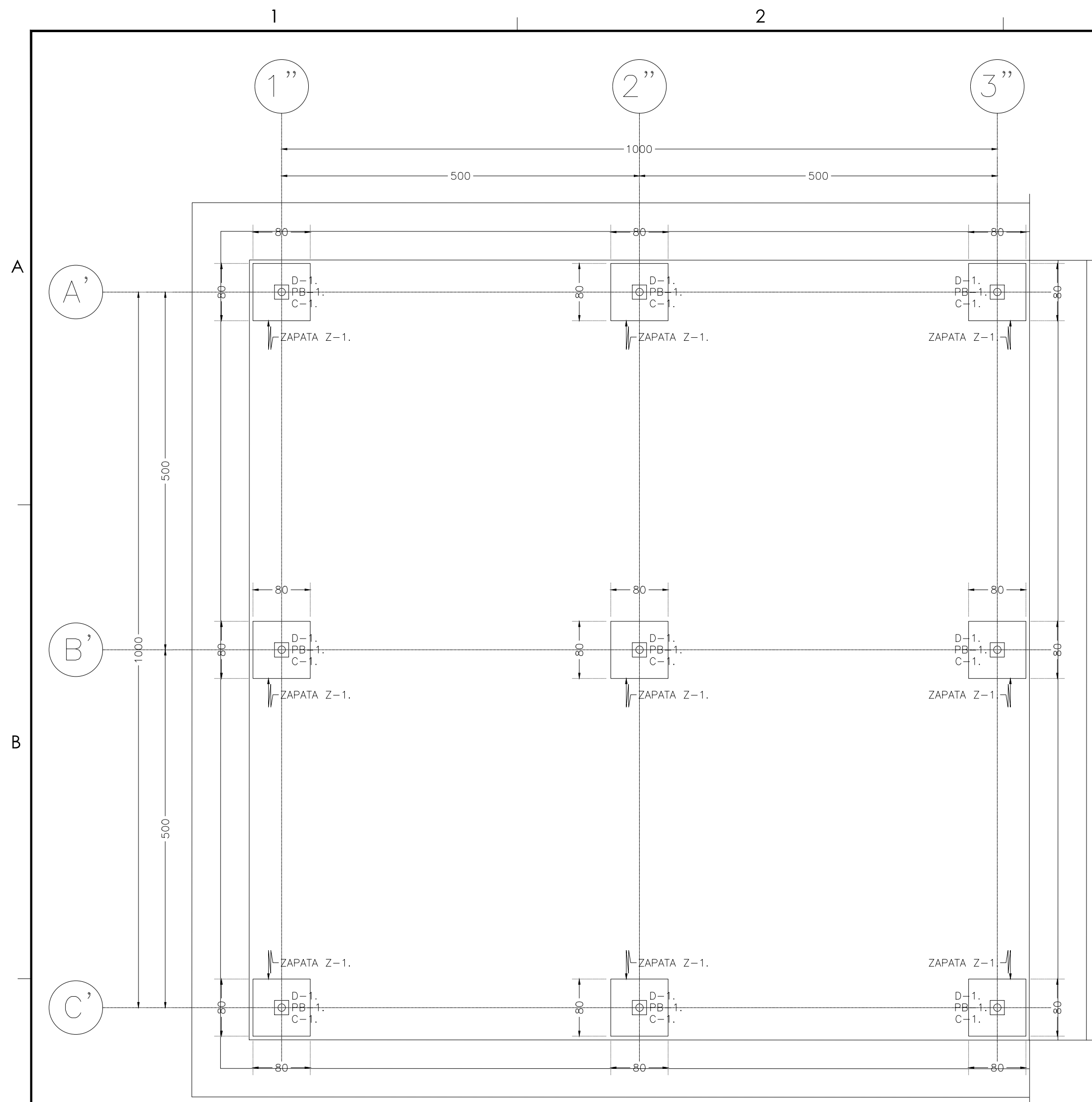
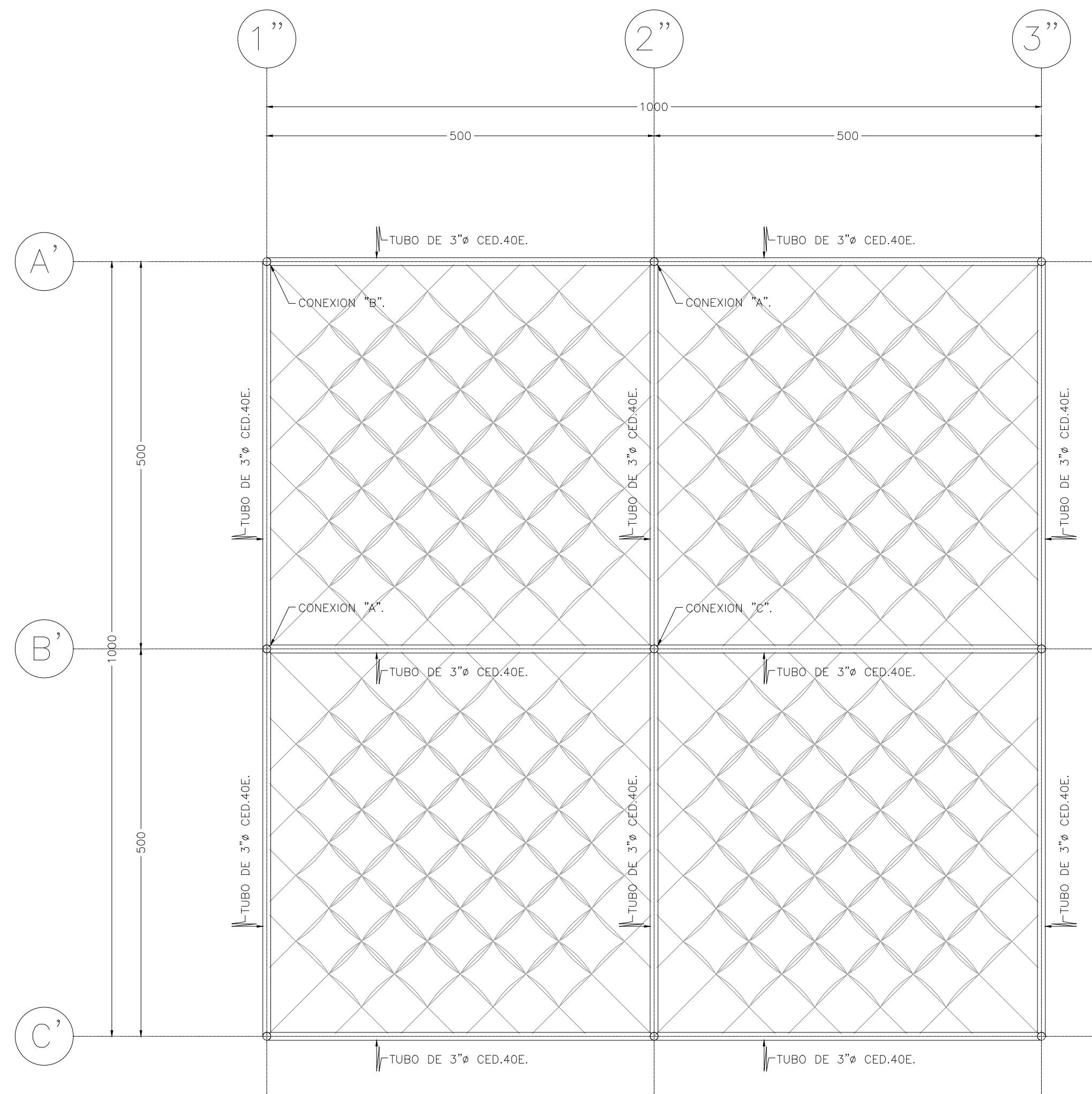




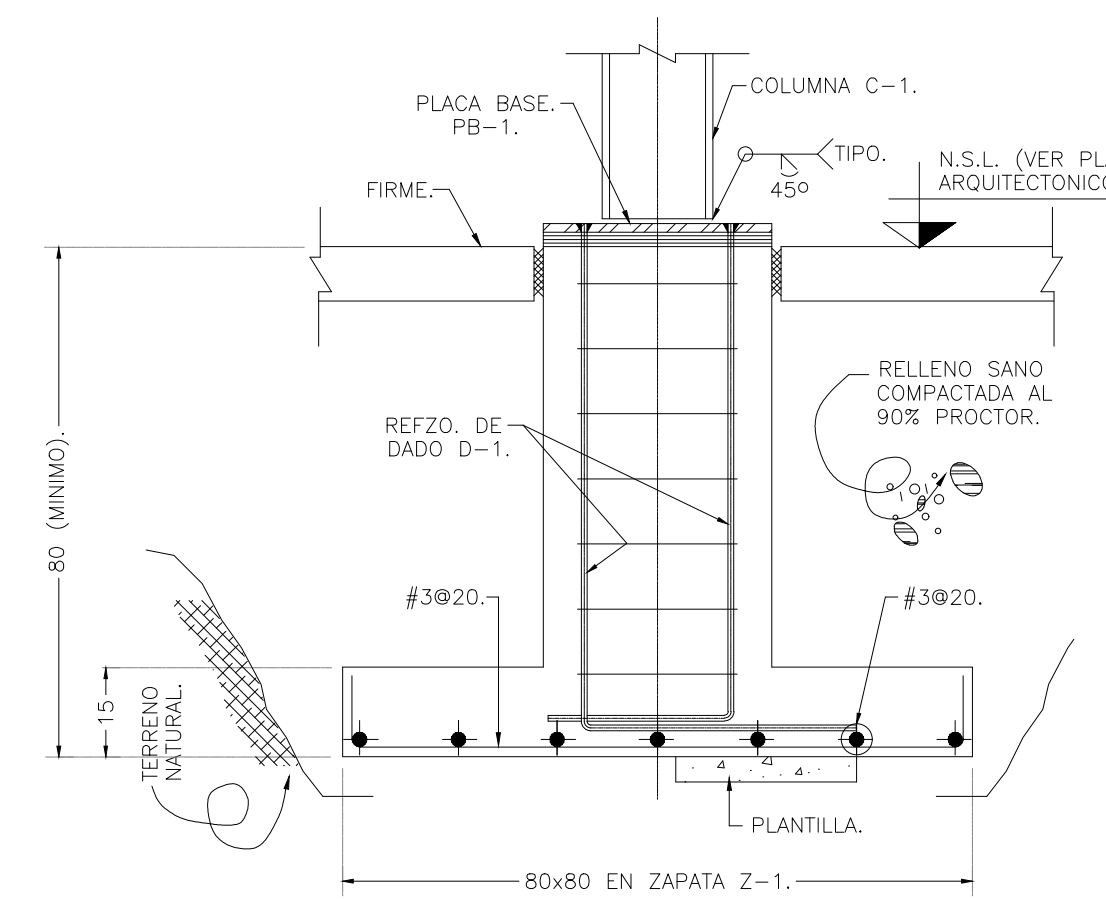
PLANTA DE CIMENTACION.

ESC: 1:50.



PLANTA ESTRUCTURAL DE CUBIERTA.

ESC: 1:50.



SECCION DE ZAPATA Z-1.

NOTAS GENERALES:

PARA OBRA CIVIL:

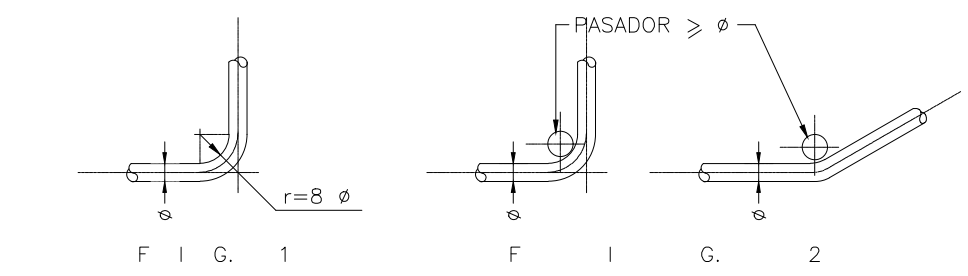
- 1.-LAS DIMENSIONES ESTAN DADAS EN CENTIMETROS Y LOS NIVELES EN METROS, EXCEPTO DONDE SE INDIQUE OTRA UNIDAD.
- 2.-VERIFICAR DIMENSIONES Y NIVELES EN PLANOS ARQUITECTONICOS Y EN OBRA.
- 3.-MATERIALES:

- a).-CONCRETO CON UN $f'c=250 \text{ kg/cm}^2$ CON UN AGREGADO MAXIMO DE 19 mm. CLASE 1.
- b).-EL PESO VOLUMETRICO DEL CONCRETO FRESCO SERA COMO MINIMO 2200 kg/m^3 .
- c).-ACERO DE REFUERZO CON UN $f_y=4200 \text{ kg/cm}^2$ EXCEPTO LA DEL # 2 QUE SERA DE 2350 kg/cm^2 .

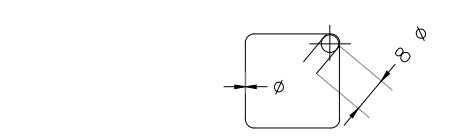
- 4.-LAS LONGITUDES DE ANCLAJE Y TRASLAPES DE LAS VARILLAS CUMPLIRAN CON LA SIGUIENTE TABLA A MENOS QUE SE INDIQUE DE OTRA MANERA EN EL DIBUJO.

VARILLA #	ANCLAJE	TRASLAPES
2	30	30
2.5	30	30
3	30	35
4	35	40
6	50	70
8	90	120

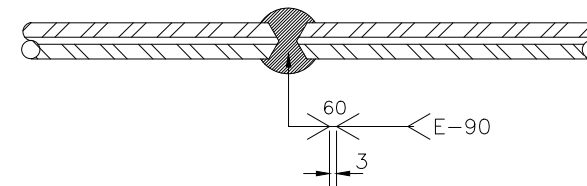
- 5.-NO DEBERA TRASLAPARSE MAS DEL 33% DEL REFUERZO EN UNA MISMA SECCION.
- 6.-LOS DOBLES EN LAS VARILLAS SE HARAN EN FRIO SOBRE UN PERNO DE DIAMETRO MINIMO IGUAL A 8 VECES EL DIAMETRO DE LA VARILLA (VER FIG. 1).
- 7.-EN TODOS LOS DOBLES PARA ANCLAJE Y CAMBIO DE DIRECCION EN VARILLAS DEBERA COLOCARSE UN PASADOR ADICIONAL DE DIAMETRO IGUAL O MAYOR QUE EL DIAMETRO DE LA VARILLA (VER FIG. 2).



- 8.-LOS ESTRIBOS SE AJUSTARAN A LA SIGUIENTE ALTERNATIVA.



- 9.-PARA LAS VARILLAS DEL # 10 O MAYORES SE EVITARAN LOS TRASLAPES EN ESTOS.



- 10.-LA DISTANCIA MINIMA EN ZONA DE TRASLAPES SERA DE 40 VECES EL DIAMETRO DE VARILLA MAYOR.
- 11.-RECUBRIMIENTOS:

EN ZAPATA	4cm.
EN COLUMNAS	3cm.
EN MUROS DE CONCRETO	2.5cm.
EN LOSAS	2cm.
EN CONTRATABES.	3cm.
EN DADOS.	2.5cm.
EN DALAS Y CASTILLOS.	1.5cm.

- 12.-LA CAPACIDAD DE CARGA DEL TERRENO ES DE 10 Ton./m^2 .
- 13.-LA PLANTILLA SERA DE CONCRETO POBRE CON UN $f'c=100\text{kg/cm}^2$ DE 5 cm. DE ESPESOR.

PARA ESTRUCTURA METALICA:

- 1.-LAS DIMENSIONES ESTAN DADAS EN MILIMETROS Y LOS NIVELES EN METROS, EXCEPTO DONDE SE INDIQUE OTRA UNIDAD.
- 2.-VERIFICAR DIMENSIONES Y NIVELES EN PLANOS ARQUITECTONICOS Y EN OBRA.
- 3.-MATERIALES:

- a).-TODO EL ACERO EN PLACAS Y PERFILES ESTRUCTURALES SERA A-36 $f_y=250\text{kg/cm}^2$ Y CUMPLIRAN NORMAS DE A.S.T.M.
- b).-TODA LA SOLDADURA DE TALLER Y CAMPO SERA DE LA SERIE E-70xx Y SE APLICARA SEGUN NORMAS DE A.W.S.
- c).-SE APLICARA EN TALLER UNA MANO DE PRIMER ANTICORROSIVO ROJO OXIDO.A TODA LA ESTRUCTURA DESPUES DE DEJARLA LIBRE DE POLVO,GRASA Y ESCORIA.

MARCO LEGAL Y NORMATIVO:

- 1.- LA CONSTRUCCION DE ESTE PROYECTO SE HARA BASO EN LAS NORMAS DE CONSTRUCCION DE OBRA PARA EL ESTADO DE CHIHUAHUA POR 2004/2006/2008/2010/2012/2014/2016/2018/2020/2022/2024/2026/2028/2030/2032/2034/2036/2038/2040/2042/2044/2046/2048/2050/2052/2054/2056/2058/2060/2062/2064/2066/2068/2070/2072/2074/2076/2078/2080/2082/2084/2086/2088/2090/2092/2094/2096/2098/2100/2102/2104/2106/2108/2110/2112/2114/2116/2118/2120/2122/2124/2126/2128/2130/2132/2134/2136/2138/2140/2142/2144/2146/2148/2150/2152/2154/2156/2158/2160/2162/2164/2166/2168/2170/2172/2174/2176/2178/2180/2182/2184/2186/2188/2190/2192/2194/2196/2198/2200/2202/2204/2206/2208/2210/2212/2214/2216/2218/2220/2222/2224/2226/2228/2230/2232/2234/2236/2238/2240/2242/2244/2246/2248/2250/2252/2254/2256/2258/2260/2262/2264/2266/2268/2270/2272/2274/2276/2278/2280/2282/2284/2286/2288/2290/2292/2294/2296/2298/2300/2302/2304/2306/2308/2310/2312/2314/2316/2318/2320/2322/2324/2326/2328/2330/2332/2334/2336/2338/2340/2342/2344/2346/2348/2350/2352/2354/2356/2358/2360/2362/2364/2366/2368/2370/2372/2374/2376/2378/2380/2382/2384/2386/2388/2390/2392/2394/2396/2398/2400/2402/2404/2406/2408/2410/2412/2414/2416/2418/2420/2422/2424/2426/2428/2430/2432/2434/2436/2438/2440/2442/2444/2446/2448/2450/2452/2454/2456/2458/2460/2462/2464/2466/2468/2470/2472/2474/2476/2478/2480/2482/2484/2486/2488/2490/2492/2494/2496/2498/2500/2502/2504/2506/2508/2510/2512/2514/2516/2518/2520/2522/2524/2526/2528/2530/2532/2534/2536/2538/2540/2542/2544/2546/2548/2550/2552/2554/2556/2558/2560/2562/2564/2566/2568/2570/2572/2574/2576/2578/2580/2582/2584/2586/2588/2590/2592/2594/2596/2598/2600/2602/2604/2606/2608/2610/2612/2614/2616/2618/2620/2622/2624/2626/2628/2630/2632/2634/2636/2638/2640/2642/2644/2646/2648/2650/2652/2654/2656/2658/2660/2662/2664/2666/2668/2670/2672/2674/2676/2678/2680/2682/2684/2686/2688/2690/2692/2694/2696/2698/2700/2702/2704/2706/2708/2710/2712/2714/2716/2718/2720/2722/2724/2726/2728/2730/2732/2734/2736/2738/2740/2742/2744/2746/2748/2750/2752/2754/2756/2758/2760/2762/2764/2766/2768/2770/2772/2774/2776/2778/2780/2782/2784/2786/2788/2790/2792/2794/2796/2798/2800/2802/2804/2806/2808/2810/2812/2814/2816/2818/2820/2822/2824/2826/2828/2830/2832/2834/2836/2838/2840/2842/2844/2846/2848/2850/2852/2854/2856/2858/2860/2862/2864/2866/2868/2870/2872/2874/2876/2878/2880/2882/2884/2886/2888/2890/2892/2894/2896/2898/2900/2902/2904/2906/2908/2910/2912/2914/2916/2918/2920/2922/2924/2926/2928/2930/2932/2934/2936/2938/2940/2942/2944/2946/2948/2950/2952/2954/2956/2958/2960/2962/2964/2966/2968/2970/2972/2974/2976/2978/2980/2982/2984/2986/2988/2990/2992/2994/2996/2998/3000/3002/3004/3006/3008/3010/3012/3014/3016/3018/3020/3022/3024/3026/3028/3030/3032/3034/3036/3038/3040/3042/3044/3046/3048/3050/3052/3054/3056/3058/3060/3062/3064/3066/3068/3070/3072/3074/3076/3078/3080/3082/3084/3086/3088/3090/3092/3094/3096/3098/3100/3102/3104/3106/3108/3110/3112/3114/3116/3118/3120/3122/3124/3126/3128/3130/3132/3134/3136/3138/3140/3142/3144/3146/3148/3150/3152/3154/3156/3158/3160/3162/3164/3166/3168/3170/3172/3174/3176/3178/3180/3182/3184/3186/3188/3190/3192/3194/3196/3198/3200/3202/3204/3206/3208/3210/3212/3214/3216/3218/3220/3222/3224/3226/3228/3230/3232/3234/3236/3238/3240/3242/3244/3246/3248/3250/3252/3254/3256/3258/3260/3262/3264/3266/3268/3270/3272/3274/3276/3278/3280/3282/3284/3286/3288/3290/3292/3294/3296/3298/3300/3302/3304/3306/3308/3310/3312/3314/3316/3318/3320/3322/3324/3326/3328/3330/3332/3334/3336/3338/3340/3342/3344/3346/3348/3350/3352/3354/3356/3358/3360/3362/3364/3366/3368/3370/3372/3374/3376/3378/3380/3382/3384/3386/3388/3390/3392/3394/3396/3398/3400/3402/3404/3406/3408/3410/3412/3414/3416/3418/3420/3422/3424/3426/3428/3430/3432/3434/3436/3438/3440/3442/3444/3446/3448/3450/3452/3454/3456/3458/3460/3462/3464/3466/3468/3470/3472/3474/3476/3478/3480/3482/3484/3486/3488/3490/3492/3494/3496/3498/3500/3502/3504/3506/3508/3510/3512/3514/3516/3518/3520/3522/3524/3526/3528/3530/3532/3534/3536/3538/3540/3542/3544/3546/3548/3550/3552/3554/3556/3558/3560/3562/3564/3566/3568/3570/3572/3574/3576/3578/3580/3582/3584/3586/3588/3590/3592/3594/3596/3598/3600/3602/3604/3606/3608/3610/3612/3614/3616/3618/3620/3622/3624/3626/3628/3630/3632/3634/3636/3638/3640/3642/3644/3646/3648/3650/3652/3654/3656/3658/3660/3662/3664/3666/3668/3670/3672/3674/3676/3678/3680/3682/3684/3686/3688/3690/3692/3694/3696/3698/3700/3702/3704/3706/3708/3710/3712/3714/3716/3718/3720/3722/3724/3726/3728/3730/3732/3734/3736/3738/3740/3742/3744/3746/3748/3750/3752/3754/3756/3758/3760/3762/3764/3766/3768/3770/3772/3774/3776/3778/3780/3782/3784/3786/3788/3790/3792/3794/3796/3798/3800/3802/3804/3806/3808/3810/3812/3814/3816/3818/3820/3822/3824/3826/3828/3830/3832/3834/3836/3838/3840/3842/3844/3846/3848/3850/3852/3854/3856/3858/3860/3862/3864/3866/3868/3870/3872/3874/3876/3878/3880/3882/3884/3886/3888/3890/3892/3894/3896/3898/3900/3902/3904/3906/3908/3910/3912/3914/3916/3918/3920/3922/3924/3926/3928/3930/3932/3934/3936/3938/3940/3942/3944/3946/3948/3950/3952/3954/3956/3958/3960/3962/3964/3966/3968/3970/3972/3974/3976/3978/3980/3982/3984/3986/3988/3990/3992/3994/3996/3998/4000/4002/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