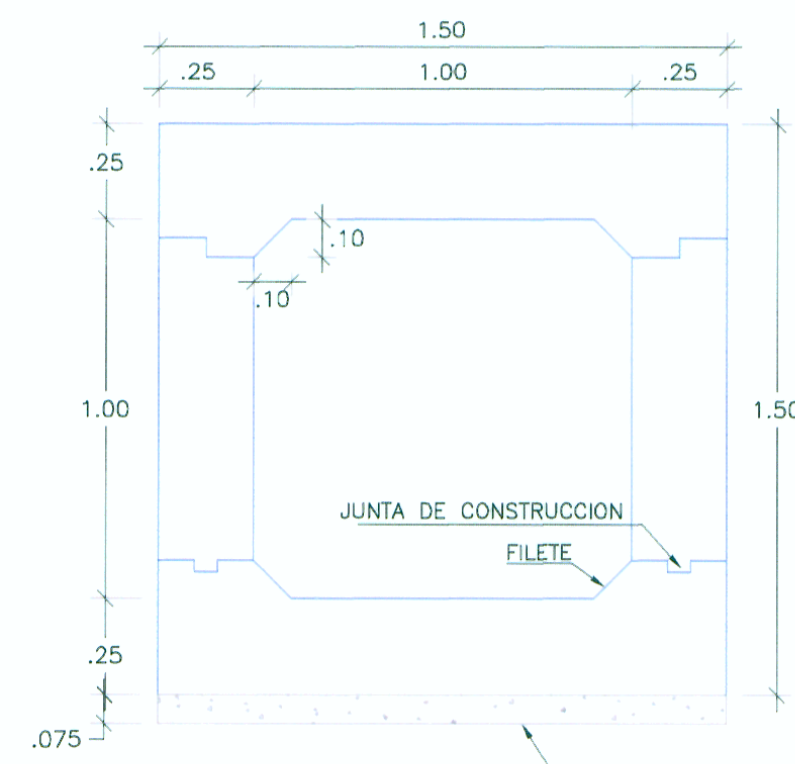
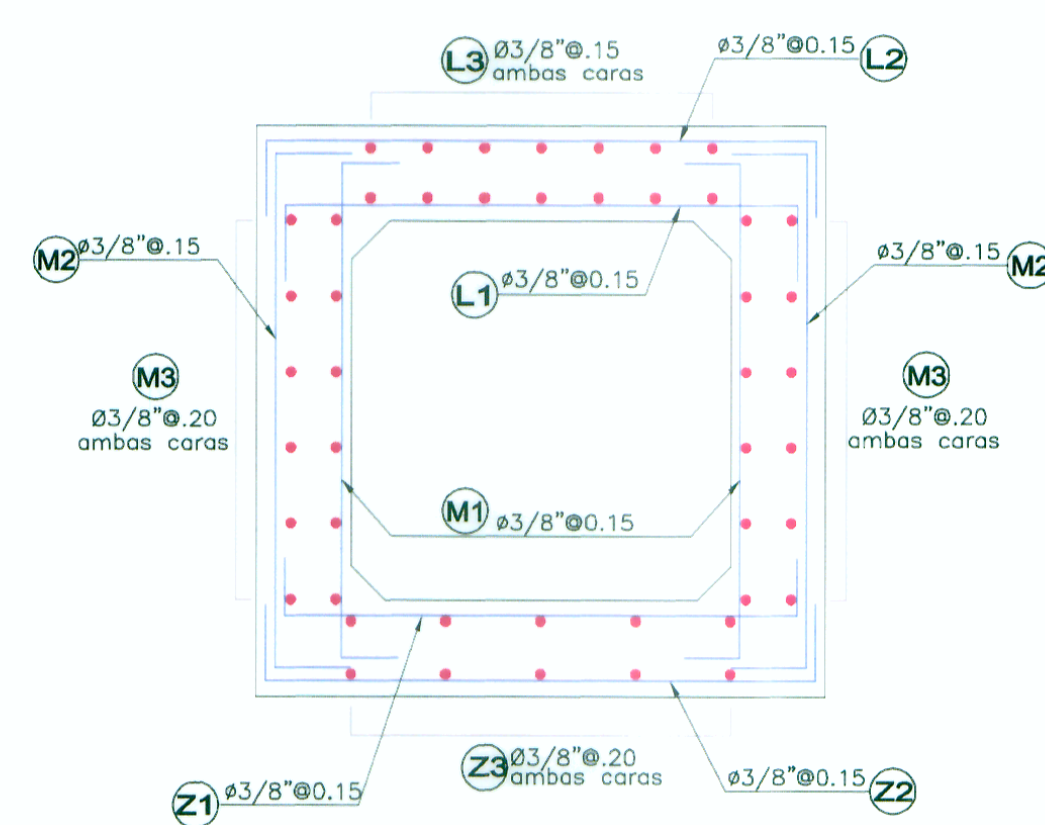
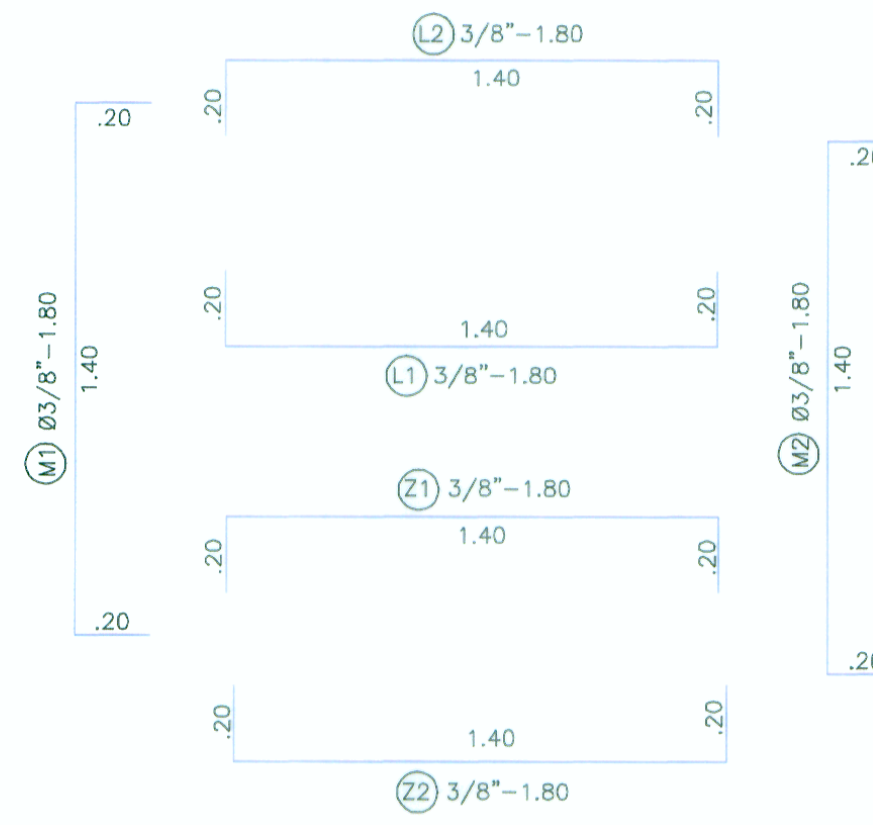




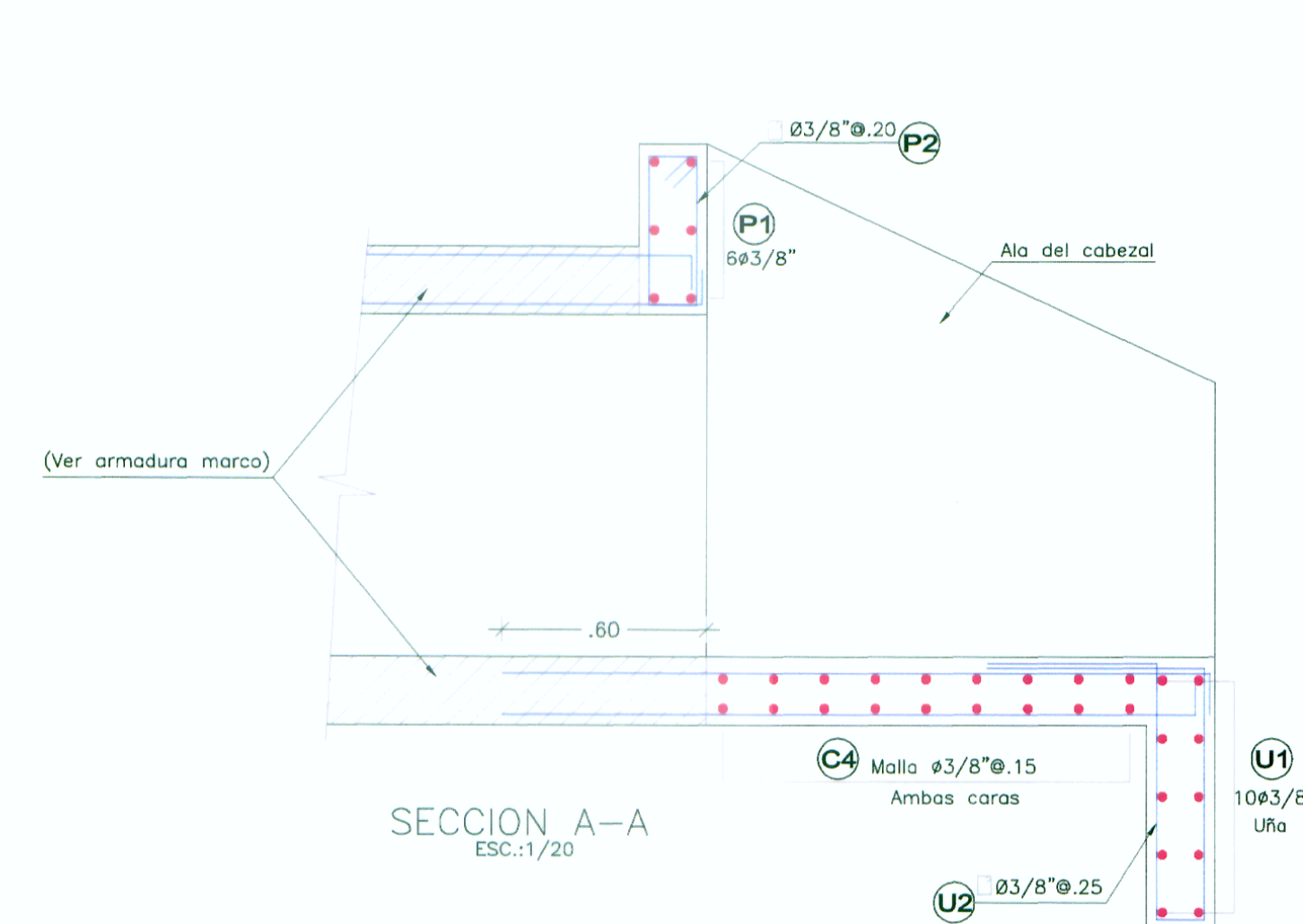
GEOMETRIA SECCION B-B
ESC.:1/20



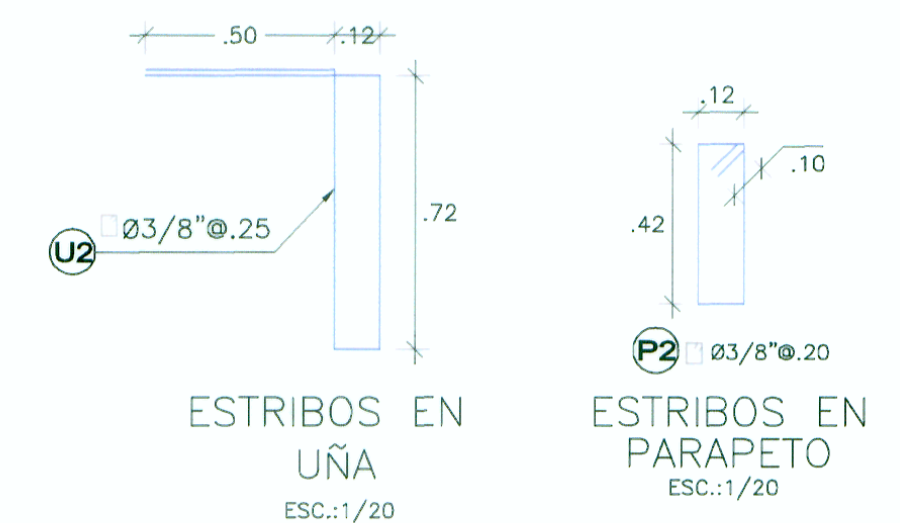
ALCANTARILLA 1.00x1.00
ESC.:1/20



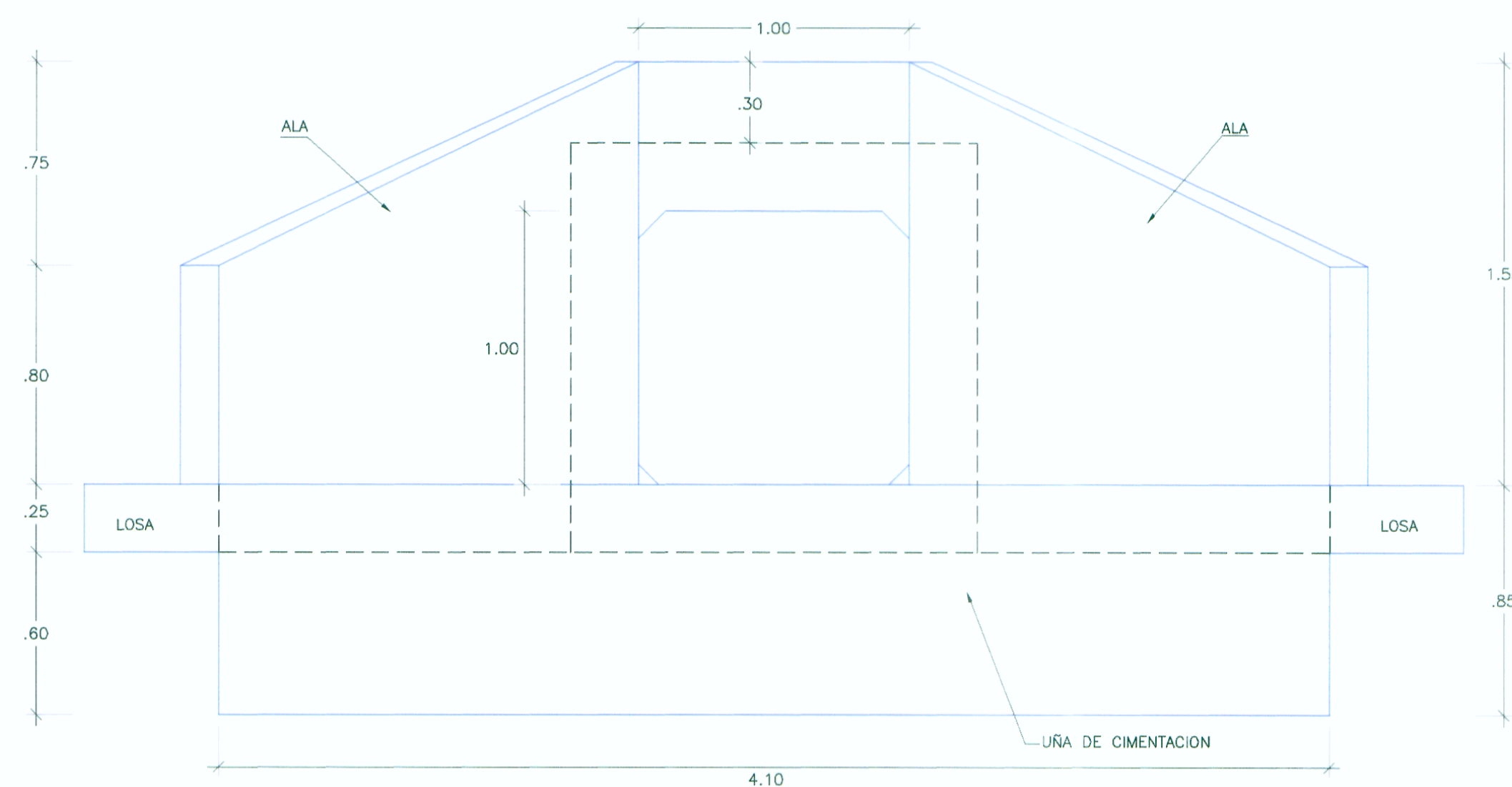
DETALLE DE
ARMADURA SECCION
ESC.:1/20



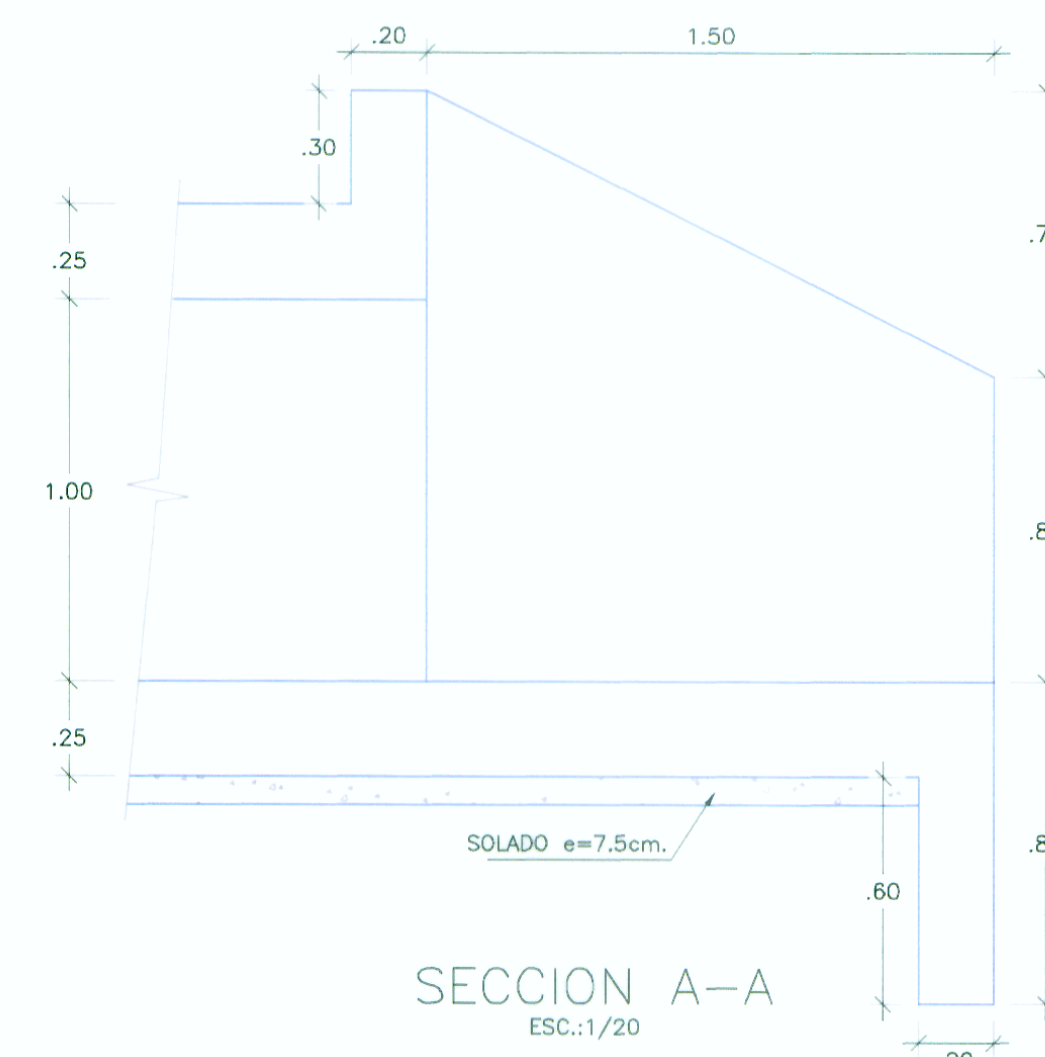
SECCION A-A
ESC.:1/20



ESPECIFICACIONES TECNICAS	
- CONCRETO MARCO DE ALCANTARILLA	$F'c = 280 \text{ Kg/cm}^2$
- CONCRETO SOLADO DE NIVELACION	$F'c = 100 \text{ Kg/cm}^2$
- CONCRETO ALAS Y LOSA DE SALIDA	$F'c = 210 \text{ Kg/cm}^2$
- ACERO GRADO - 60	$F'c = 4200 \text{ Kg/cm}^2$
RECURRIMIENTO LIBRES :	
VARILLAS MENORES O IGUALES AL N° 5	= 4.0 cm
VARILLAS MAYORES AL N° 5	= 5.0 cm



ELEVACION DE CABEZAL
ESC. 1/20



SECCION A-A
ESC.:1/20

DIAMETRO DE DOBLADO Y GANCHOS ESTANDAR MINIMOS

	DIAMETRO INTERIOR	GANCHO 135	GANCHO 90	GANCHO 180
N° var (1/8")	cm	cm	cm	cm
3	5.6	10.00	15.00	10.00
4	7.5	13.00	20.00	11.00
5	9.4	16.00	25.00	12.00
6	11.3	20.00	30.00	15.00
8	15.0	26.00	40.00	20.00

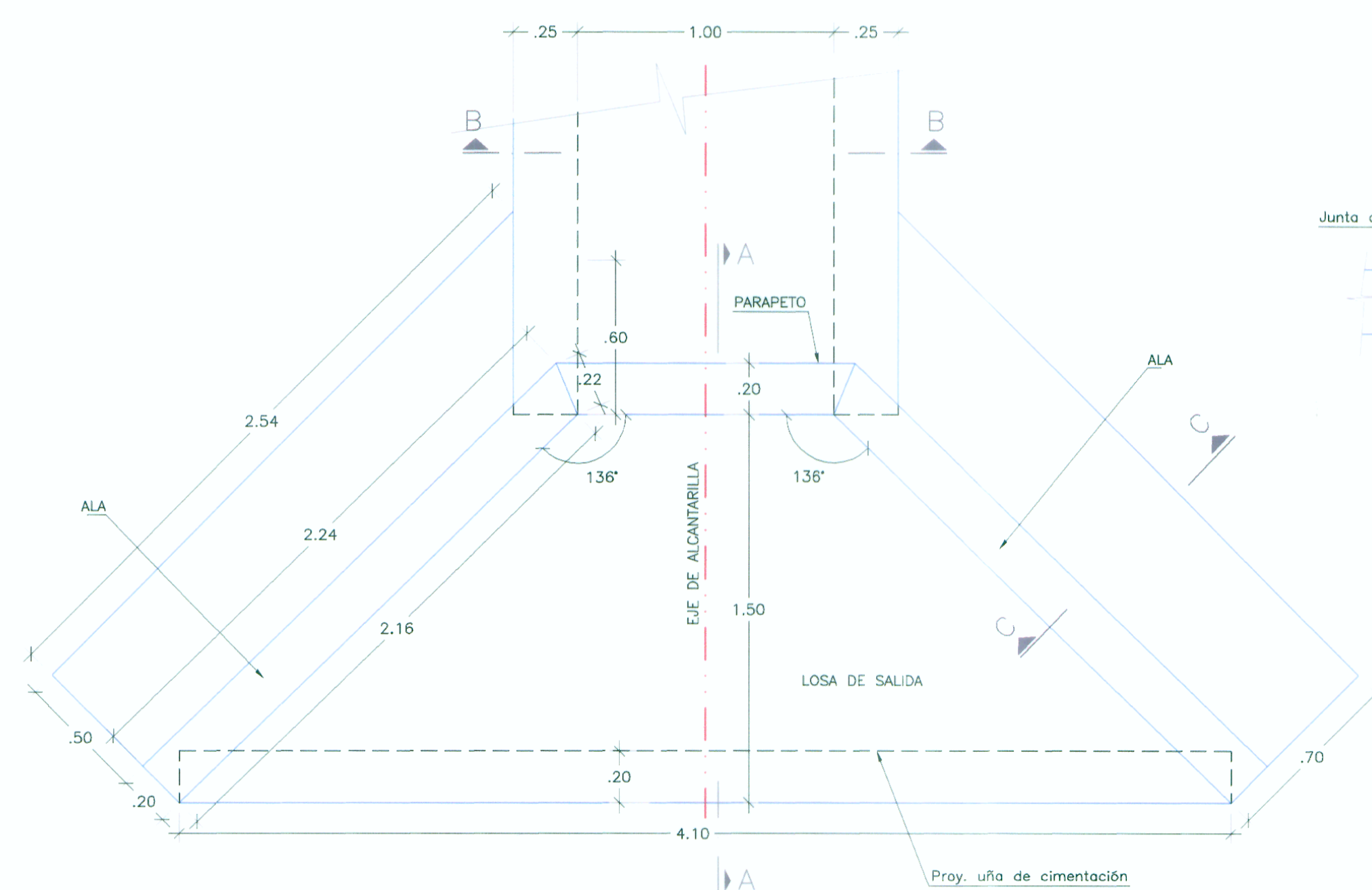
LONGITUD DE ANCLAJE MINIMO (m)

N° var (1/8")	ELEMENTOS EN COMPRESION	ELEMENTOS EN TRACCION
	$f'c=210 \text{ Kg/cm}^2$	$f'c=210 \text{ Kg/cm}^2$
3	22.00	19.00
4	29.00	26.00
5	37.00	32.00
6	44.00	38.00
8	59.00	51.00

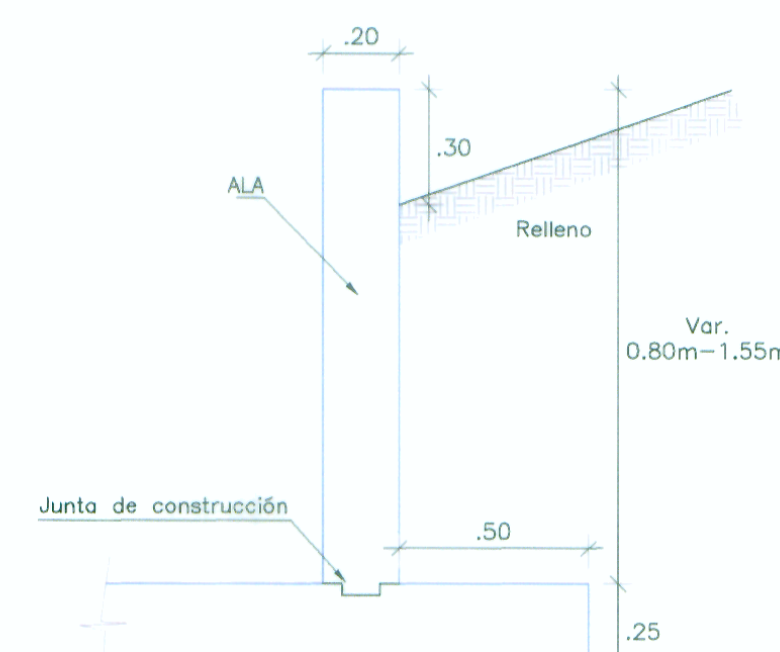
LONGITUD DE EMPALME MIN(m)

N° var (1/8")	ELEMENTOS EN COMPRESION	ELEMENTOS EN TRACCION
	$f'c=210 \text{ Kg/cm}^2$	$f'c=210 \text{ Kg/cm}^2$
3	29.00	25.00
4	38.00	34.00
5	48.00	42.00
6	57.00	49.00
8	77.00	66.00

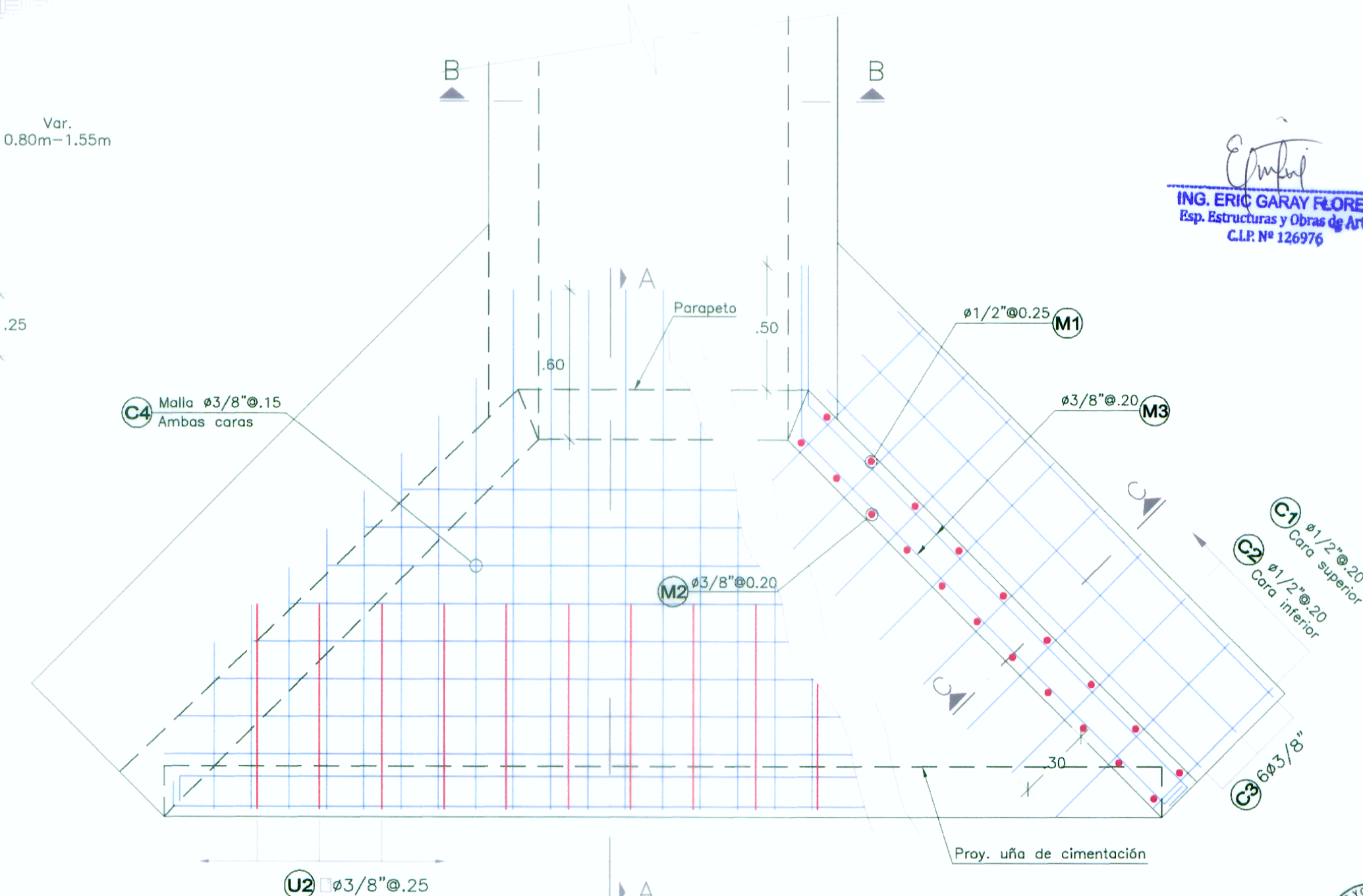
NOTA:
LAS PRESENTES ESPECIFICACIONES SE COMPLEMENTAN CON LAS INDICADAS EN EL EXP. TECNICO



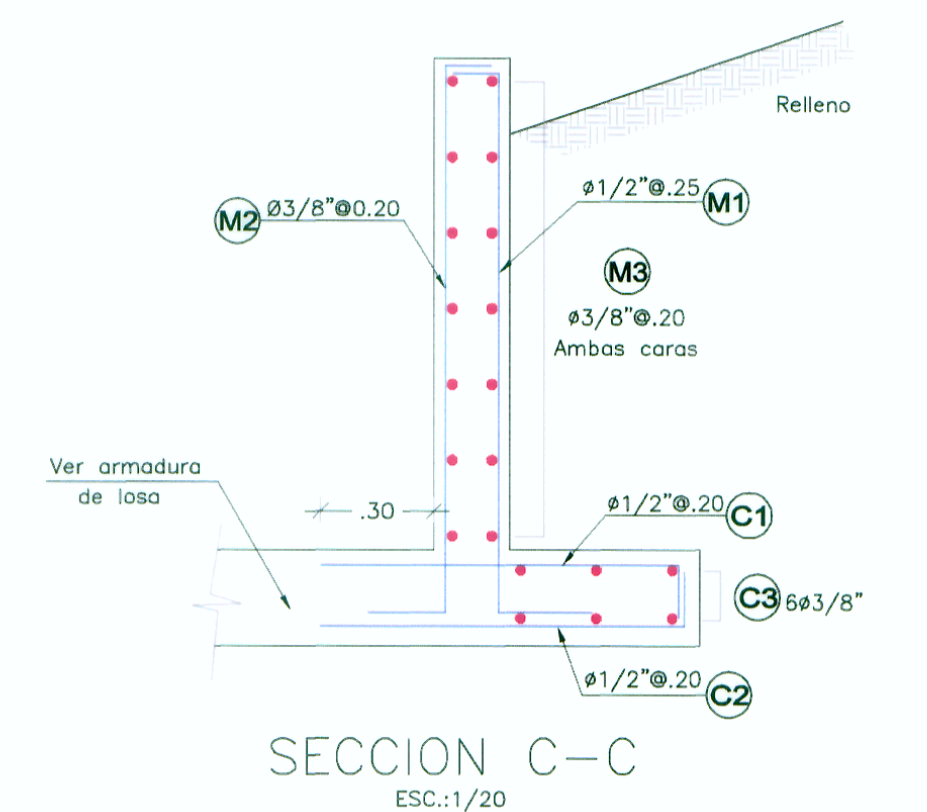
PLANTA DE CABEZAL
ESC. 1/20



SECCION C-C
ESC.:1/20



PLANTA DE CABEZAL
ESC. 1/20



SECCION C-C
ESC.:1/20

ING. ERIC GARAY FLORES
Rep. Estructuras y Obras de Arte
CLP. N° 126976



WINROD CONTRATISTAS S.A.C.
ING. FERNANDO MASSA SILVA
Rep. Estructuras y Obras de Arte
CLP. N° 8987