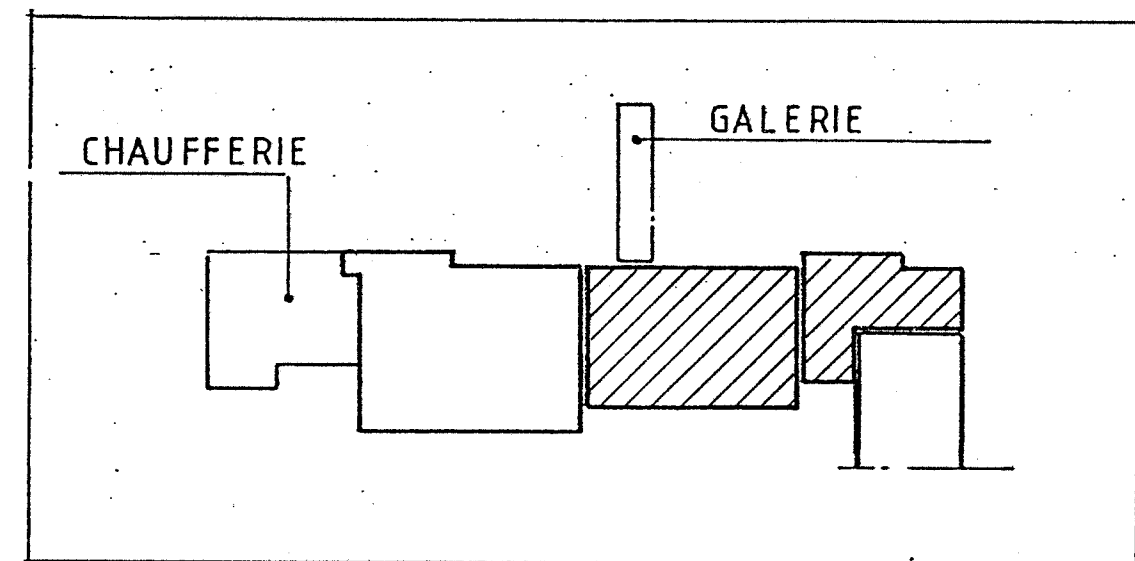


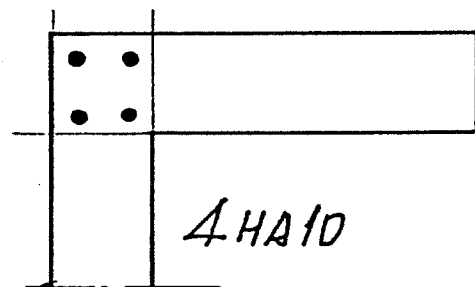
Modifie: L3-L4-L7 à 9 - L12 à 15 - L18 à 20 - L30-L31		A	8.8.90
Ajoute L1-21-22-23-26 - Complete L24-25-27-28-29			
MODIFICATIONS		Indice	Date
HYPOTHÈSES DE CALCUL (B.A.E.L.)			
STABILITE AU FEU	H	CHARGE PERMANENTE	daN/m.
SEISME	-	CHARGE VARIABLE	daN/m.
		BETON Fc 28 = 25 MPa	ACIERS HA Fe E 400
		HA	Fe E 235
		TS	Fe
ARCHITECTE S.C.P.A. O.RIGAL - C.BARGAS		MAÎTRE D'OUVRAGE FONDATION ST JOSEPH	
ENTREPRISE SOGEA		BUREAU DE CONTROLE SOCOTEC	



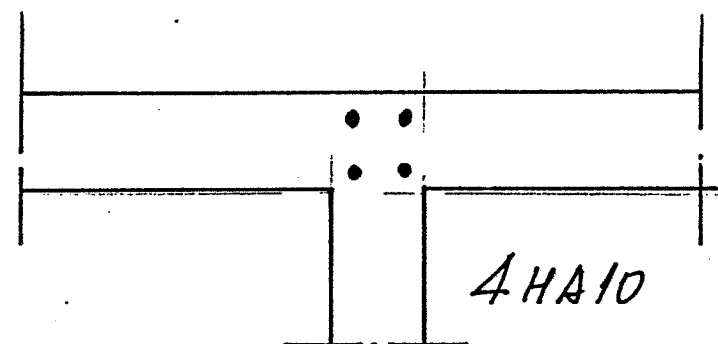
		EVOLIC Bât D 1 Impasse Paradou La Soude 13009 MARSEILLE Tél. 91 25 12 12 - Télécopie 91 73 66 44	
BUES II bis			AFFAIRE M_792
HOPITAL ST JOSEPH — MARSEILLE			PLAN N° E/12 ^A
aile EST FONDATIONS LONGRINES — FERRAILLAGE			
ECHELLES	INGENIEUR A.W.	DESSINATEUR M.H.	DATE 25-07-1990
Ce plan est la propriété de SETI. Il ne peut être communiqué ou reproduit sans autorisation.			

RAIDISSEURS D'ANGLES

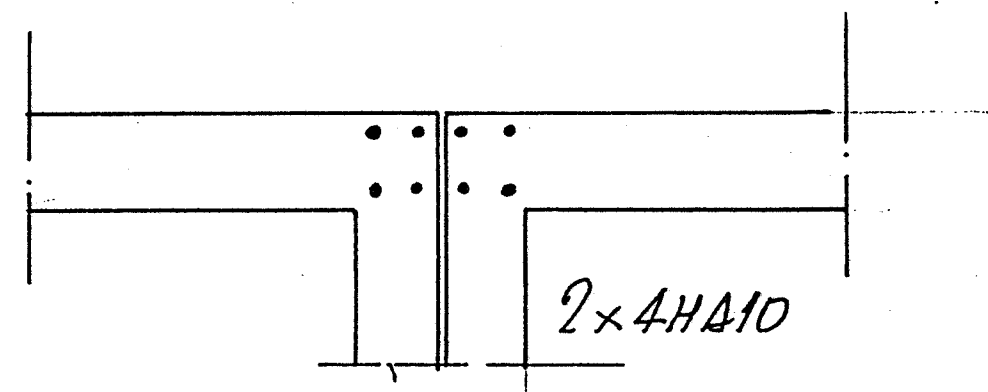
angles



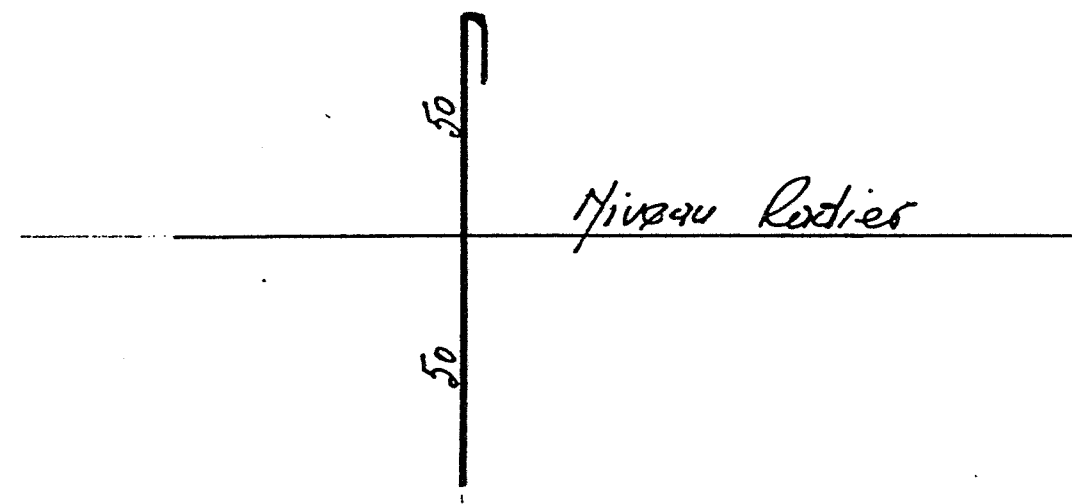
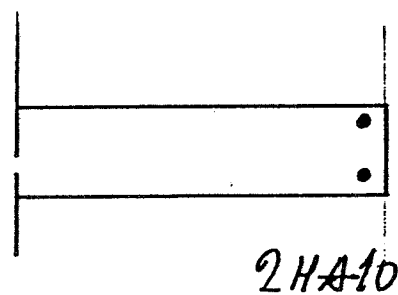
intermediaire



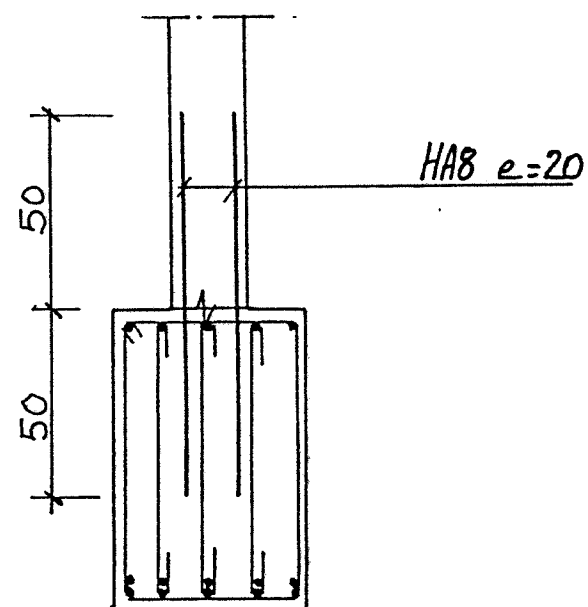
joint



about de voiles

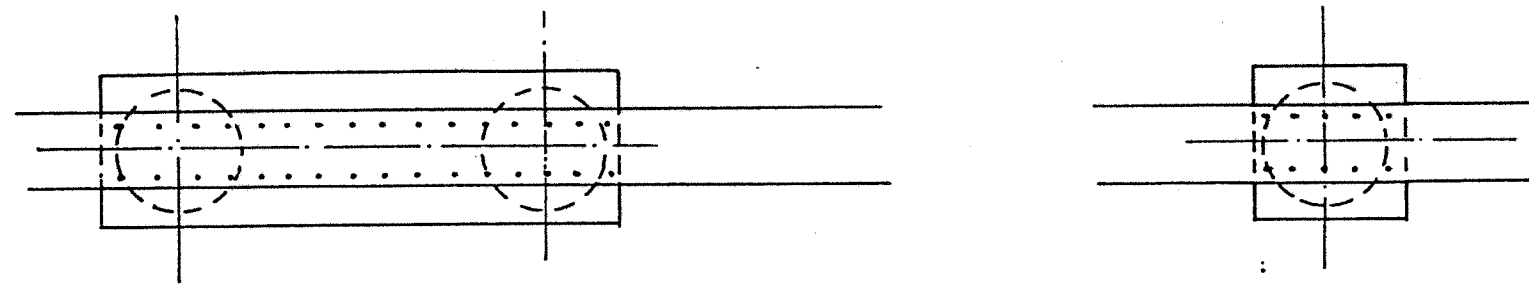


— ATTENTES DES VOILES — DANS LES LONGRINES

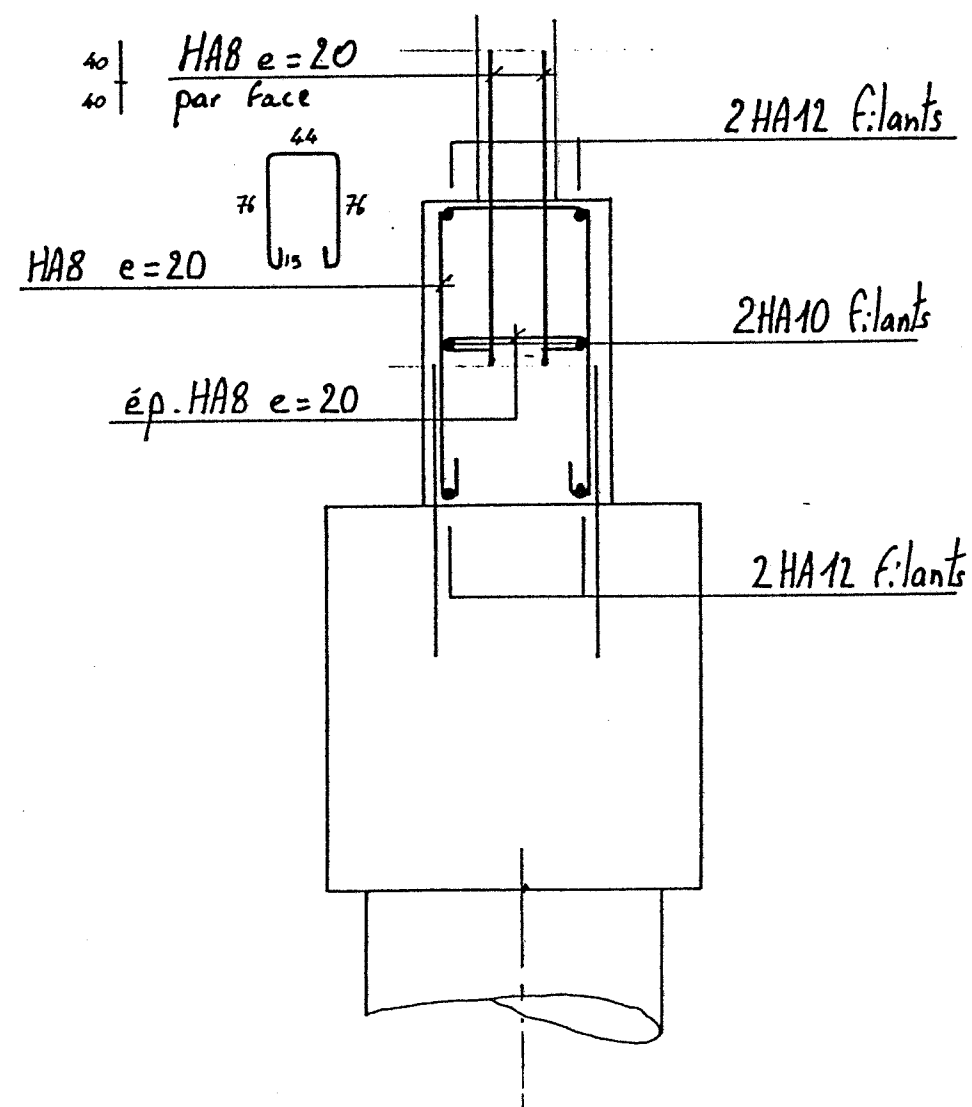


— LIAISONS LONGRINES_MASSIFS —

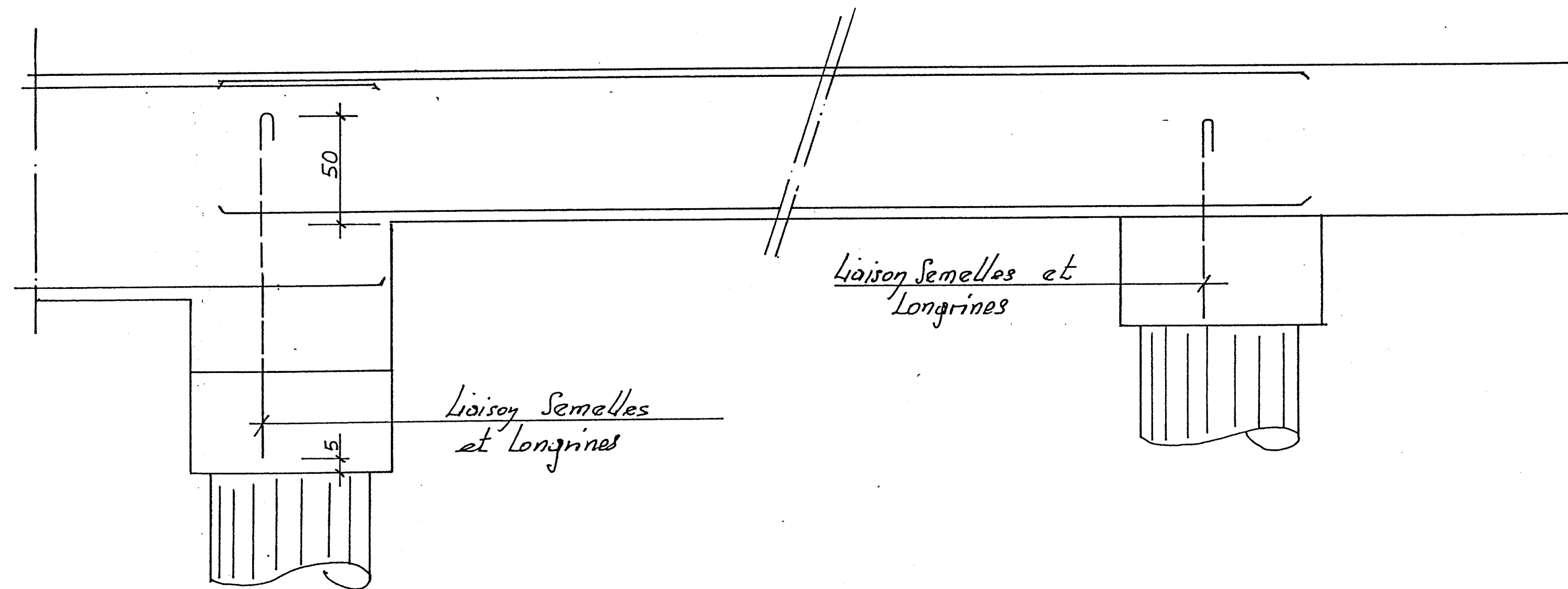
— VUES EN PLAN —



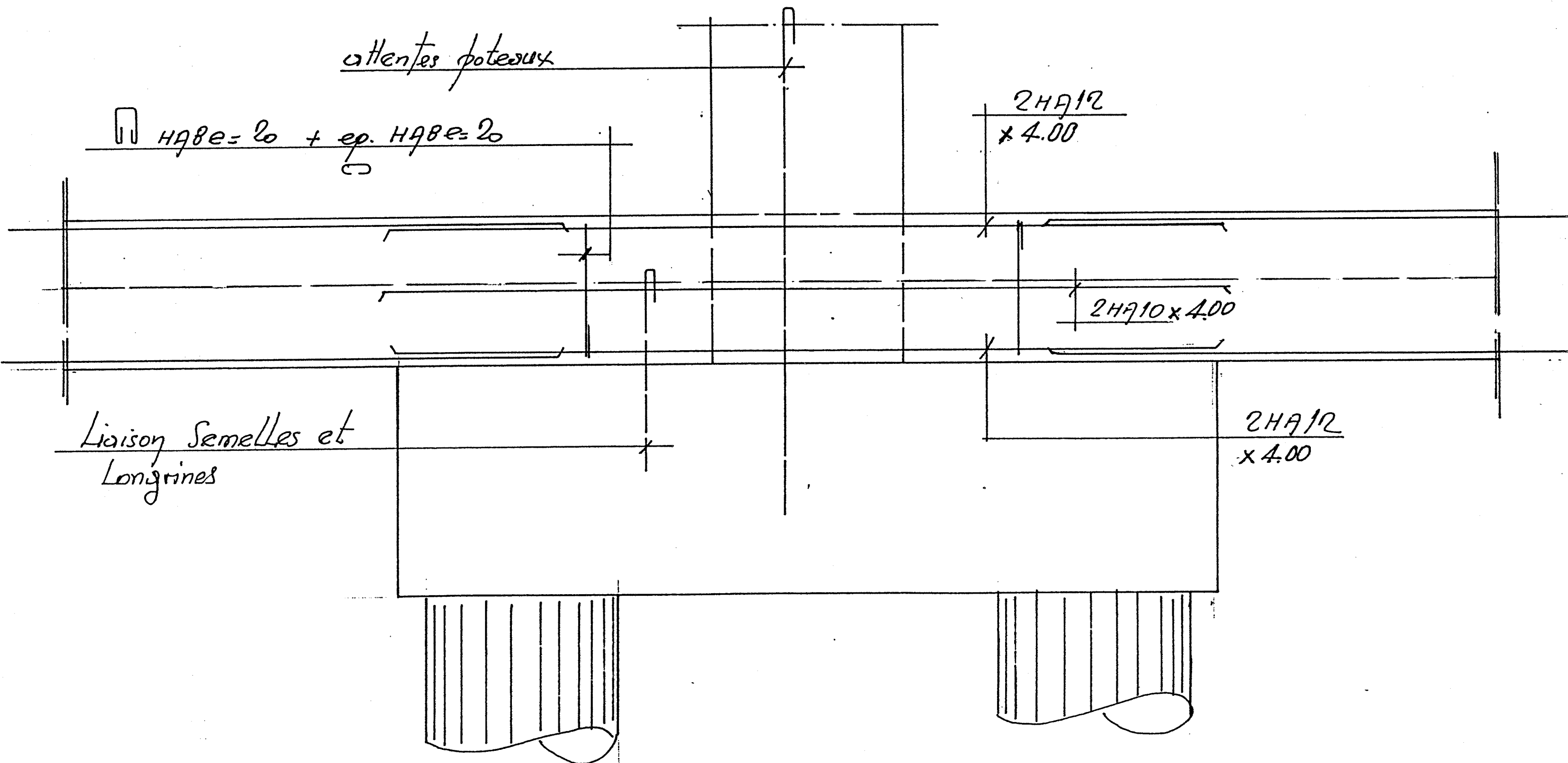
— COUPE TYPE —



détail appuis LONGRINES



détail liaison semelles et longrines
au droit des poteaux

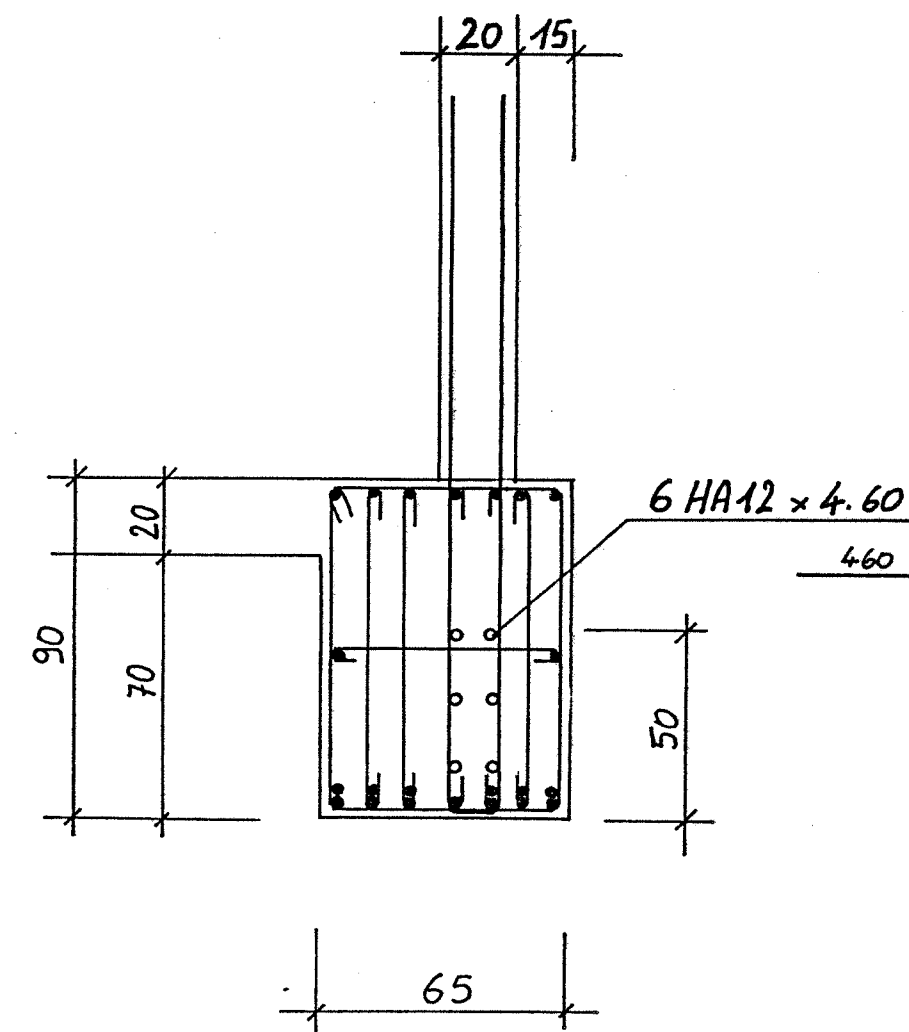
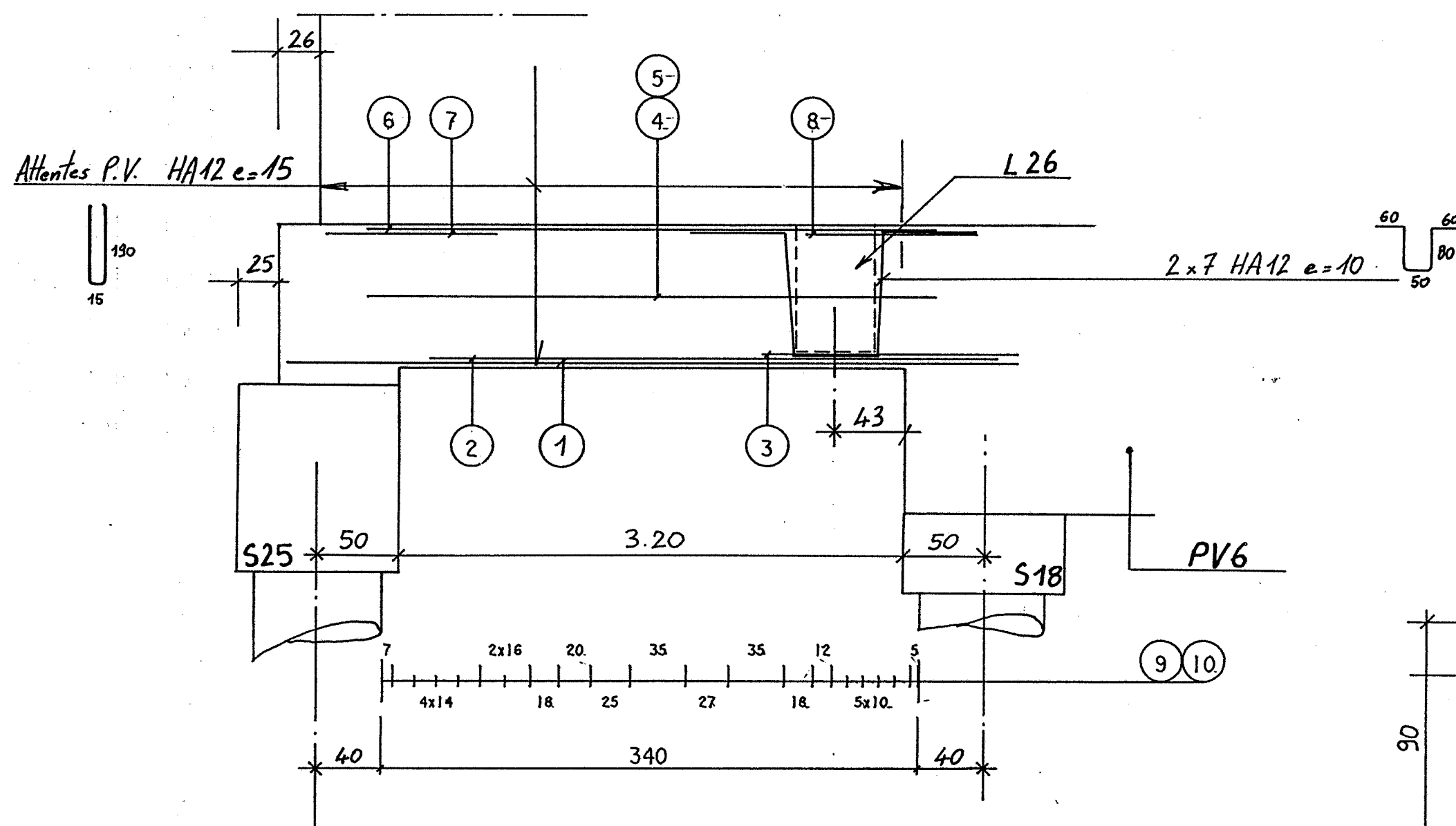


Section 65 x. 90.

PLAN - LONG-EST

1 PAGE- --

ECH. - 0.03 x 0.03



1-	7 HA 20 x 4.65	72	9	20 HA 8 x 3.01	84 58
2-	6 HA 16 x 3.59	49	10-	100 HA 8 x 0.99	84
3-	7 HA 20 x 1.62	61	11-		
4-	2 HA 8 x 3.60	10	12-		
5-	8 HA 6 x 0.74 e, 50	58	13-		
6-	7 HA 8 x 3.60	10	14-		
7-	7 HA 10 x 1.08	36	15-		
8-	7 HA 10 x 1.08	35	16-		

L2

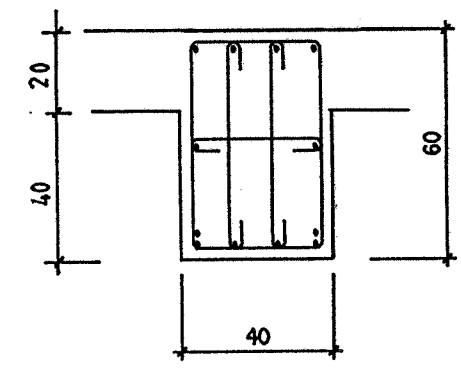
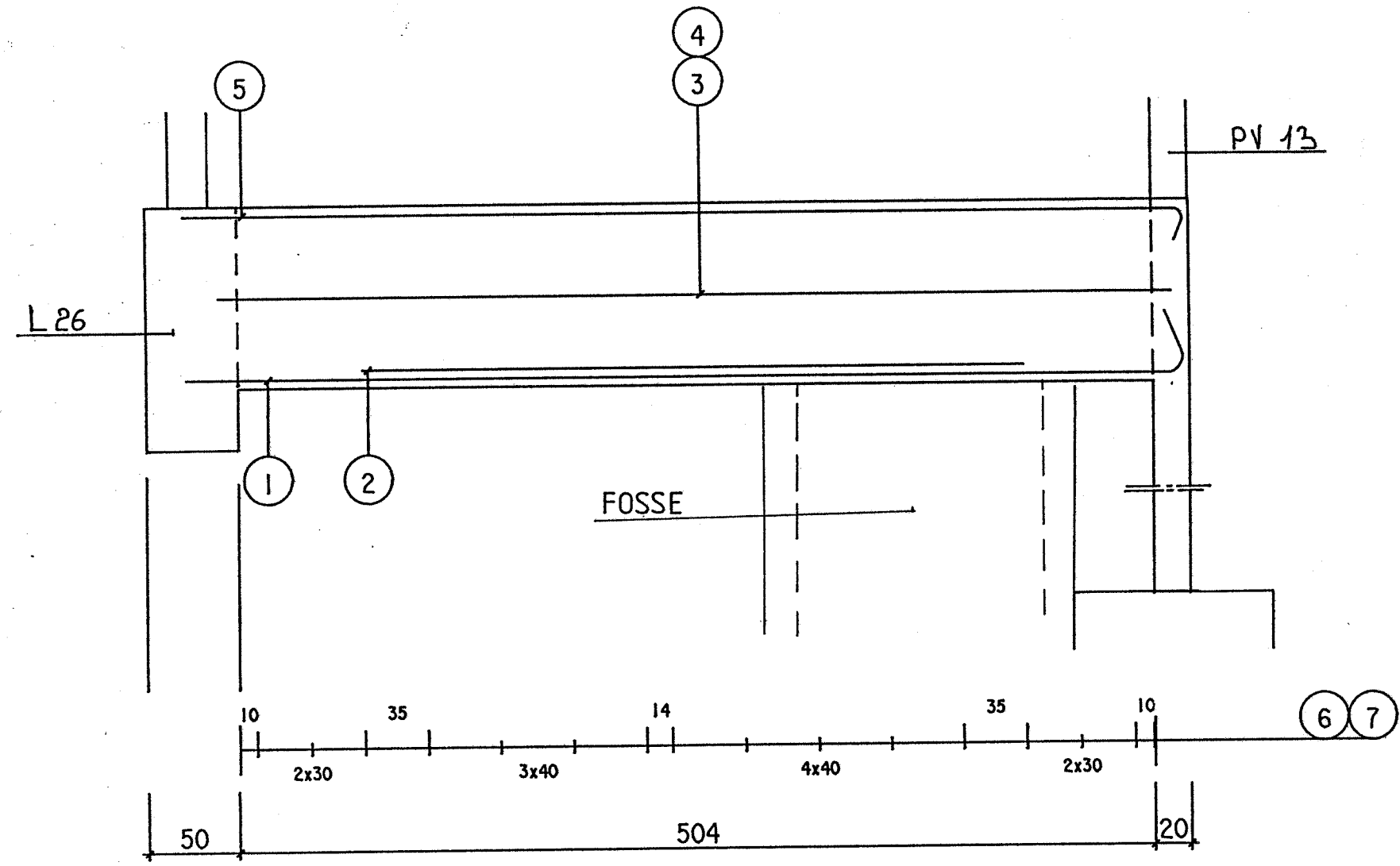
Section 40 x 60

◇ P

PLAN , BUES EST

PAGE ,

ECH. , 0.03 x 0.05



1	4 HA 14 x 5.70	28' 521
2	2 HA 14 x 3.64	1' 69
3	2 HA 8 x 5.24	10'
4	11 HA 6 x 0.49 e.50	34
5	4 HA 8 x 5.60	28' 521
6	15 HA 8 x 1.91	54 34
7	30 HA 8 x 0.69	54
8		

L3

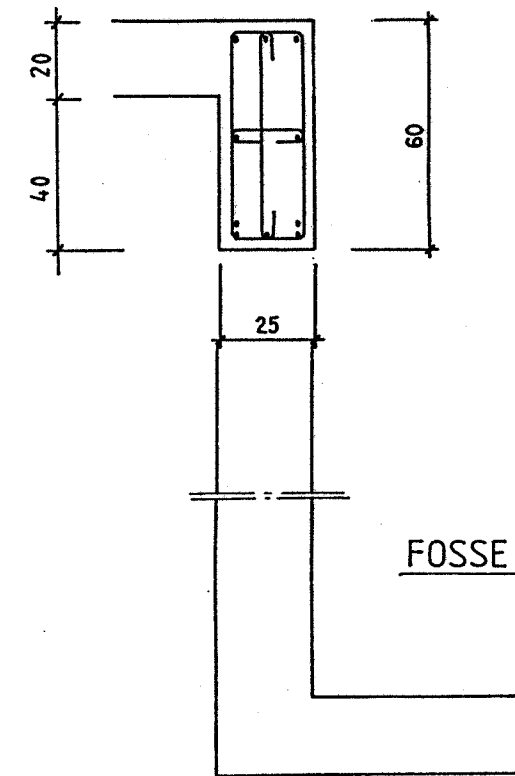
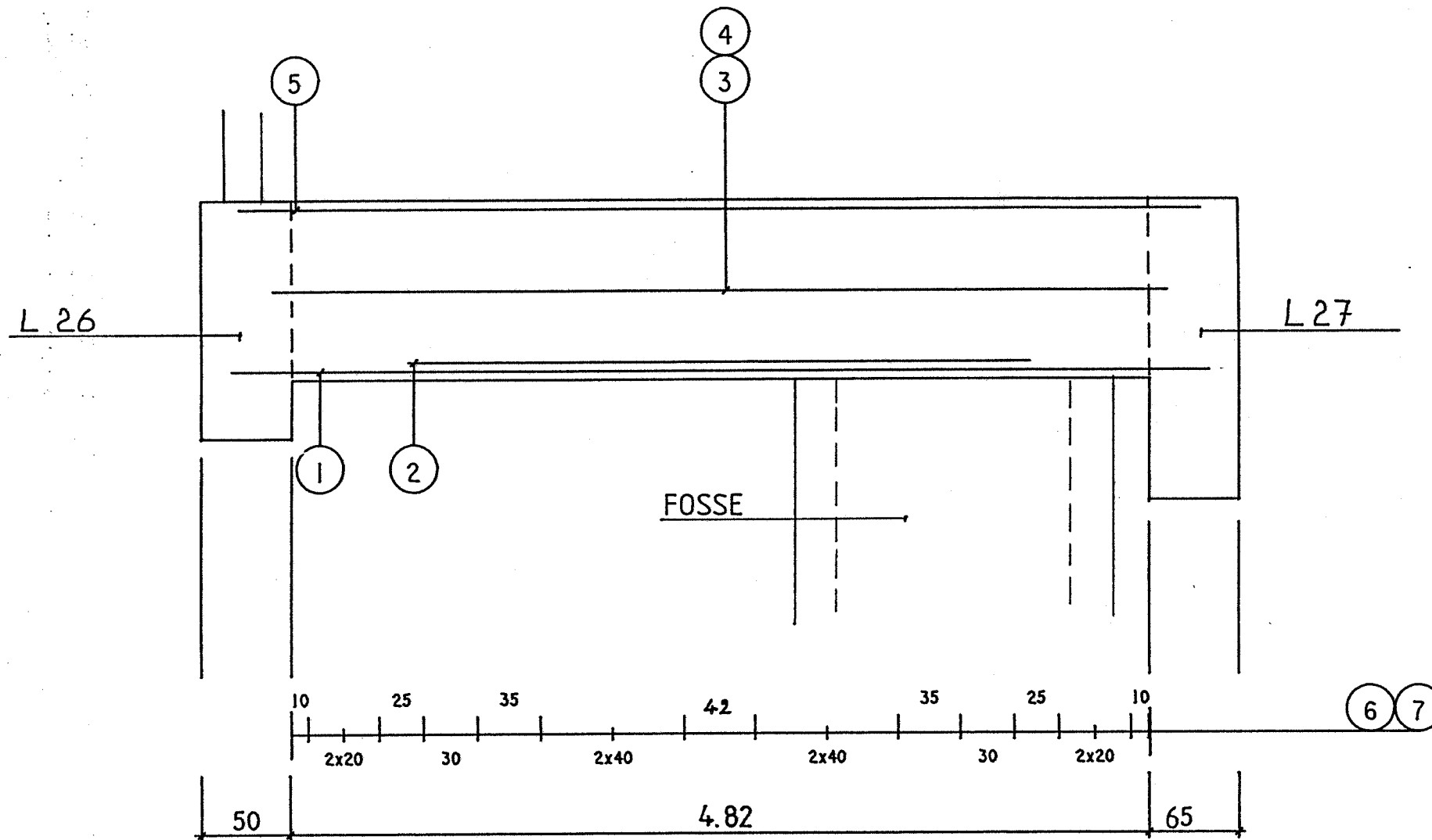
Section 25 x 60

P

PLAN , BUES EST

PAGE ,

ECH. , 0.03 x 0.05



1	3 HA 16 x 5.77	45
2	2 HA 14 x 3.47	66
3	2 HA 8 x 4.99	10
4	11 HA 6 x 0.34 e.50	19
5	3 HA 8 x 5.37	28
6	16 HA 8 x 1.61	54 19
7	16 HA 8 x 0.69	54
8		

L4

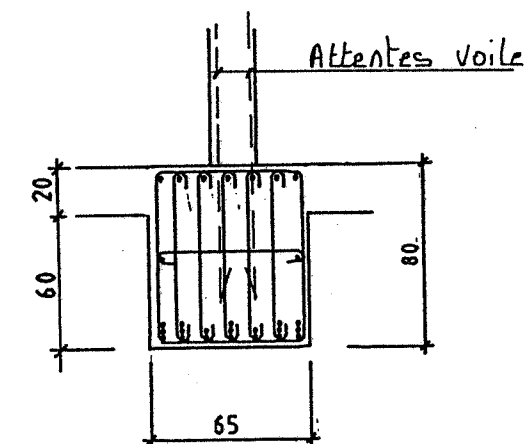
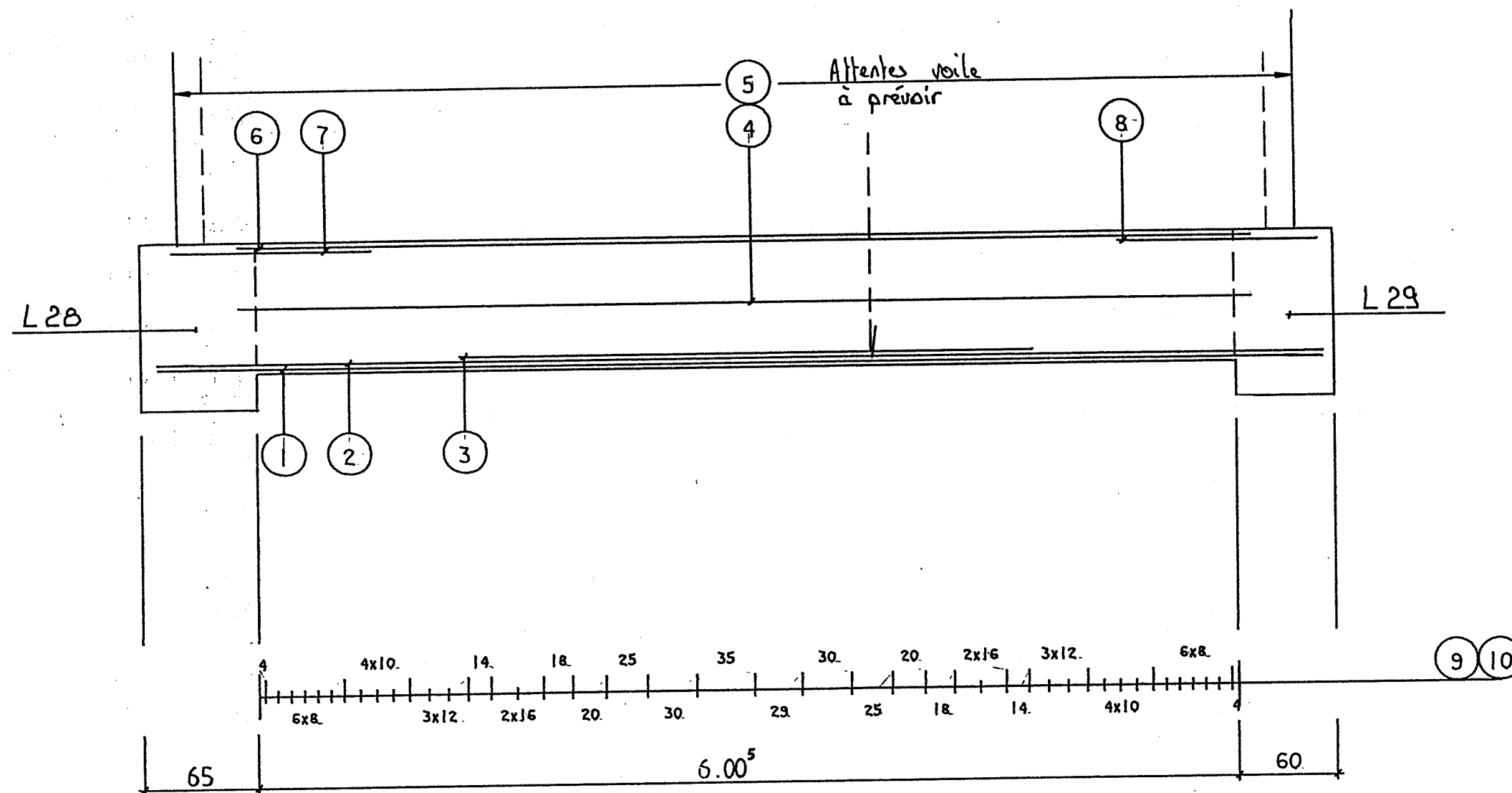
Section 65 x 80

P

PLAN, BUES-EST

PAGE

ECH. 1/100 x 1/100



1-	7 HA 20 x 7.15	60	9-	43 HA 8 x 2.81	74 59
2-	7 HA 25 x 7.15	60	10-	215 HA 8 x 0.89	74
3-	5 HA 20 x 3.50	1124	11-		
4-	2 HA 8 x 6.18	10	12-		
5-	13 HA 6 x 0.79 e. 50	64	13-		
6-	7 HA 8 x 6.18	10	14-		
7-	7 HA 14 x 1.21	50	15-		
8-	7 HA 14 x 1.21	50	16-		

L5

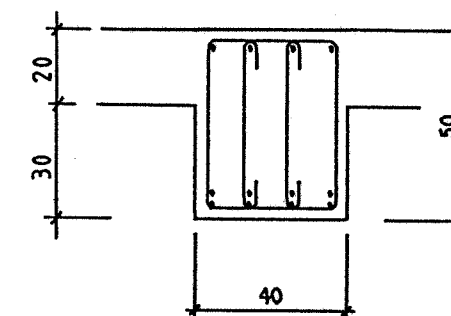
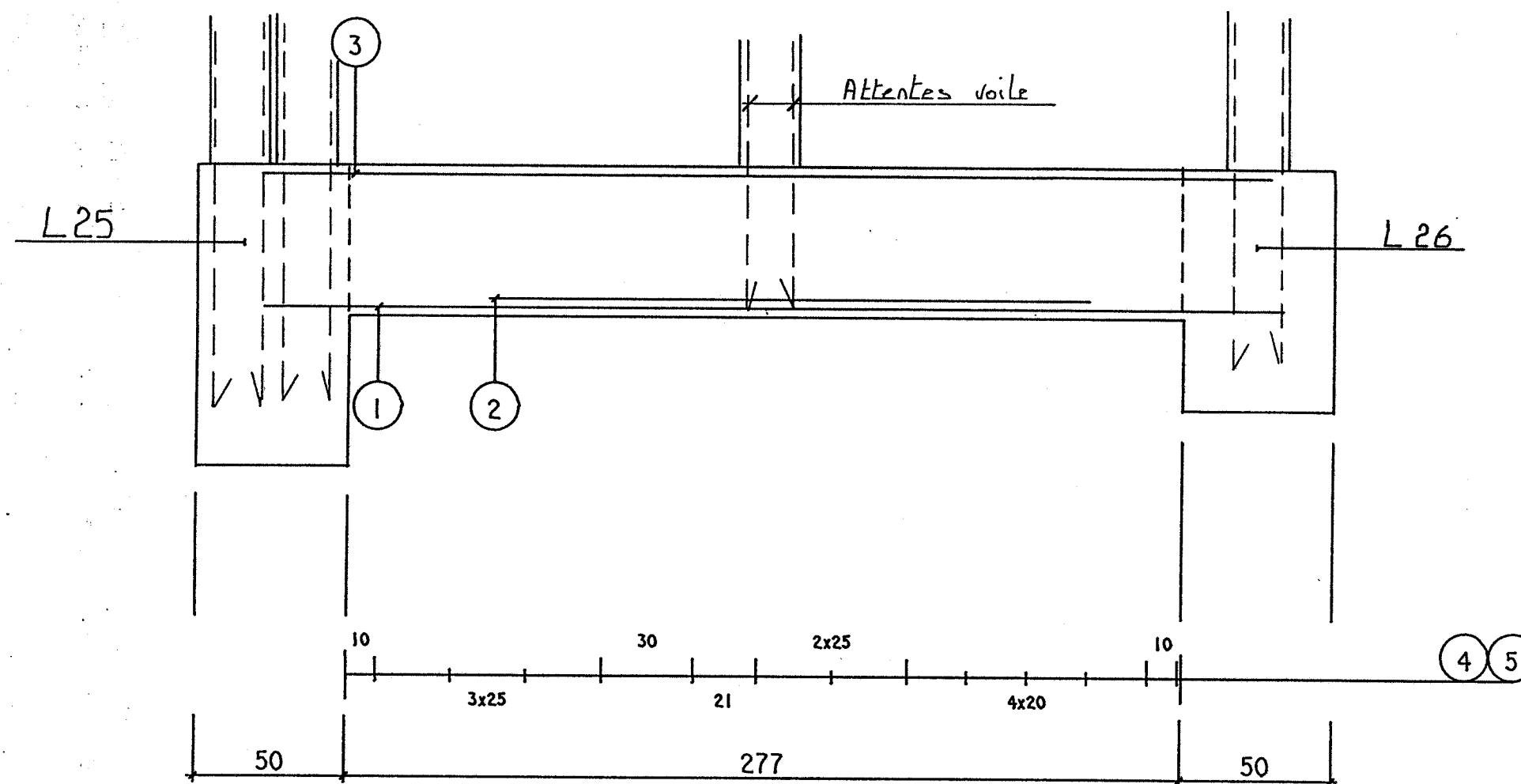
Section 40 x 50



PLAN . BUES EST

PAGE .

ECH. . 0.05 x 0.05



1	4 HA 14 x 3.38	28
2	4 HA 12 x 1.99	30
3	4 HA 8 x 3.35	28
4	12 HA 8 x 1.71	44 34
5	24 HA 8 x 0.59	44
6		
7		
8		

L6

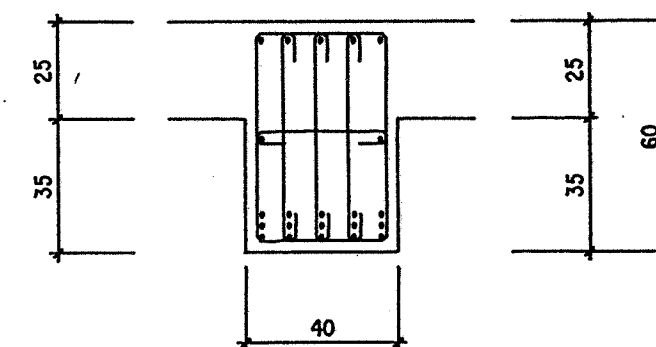
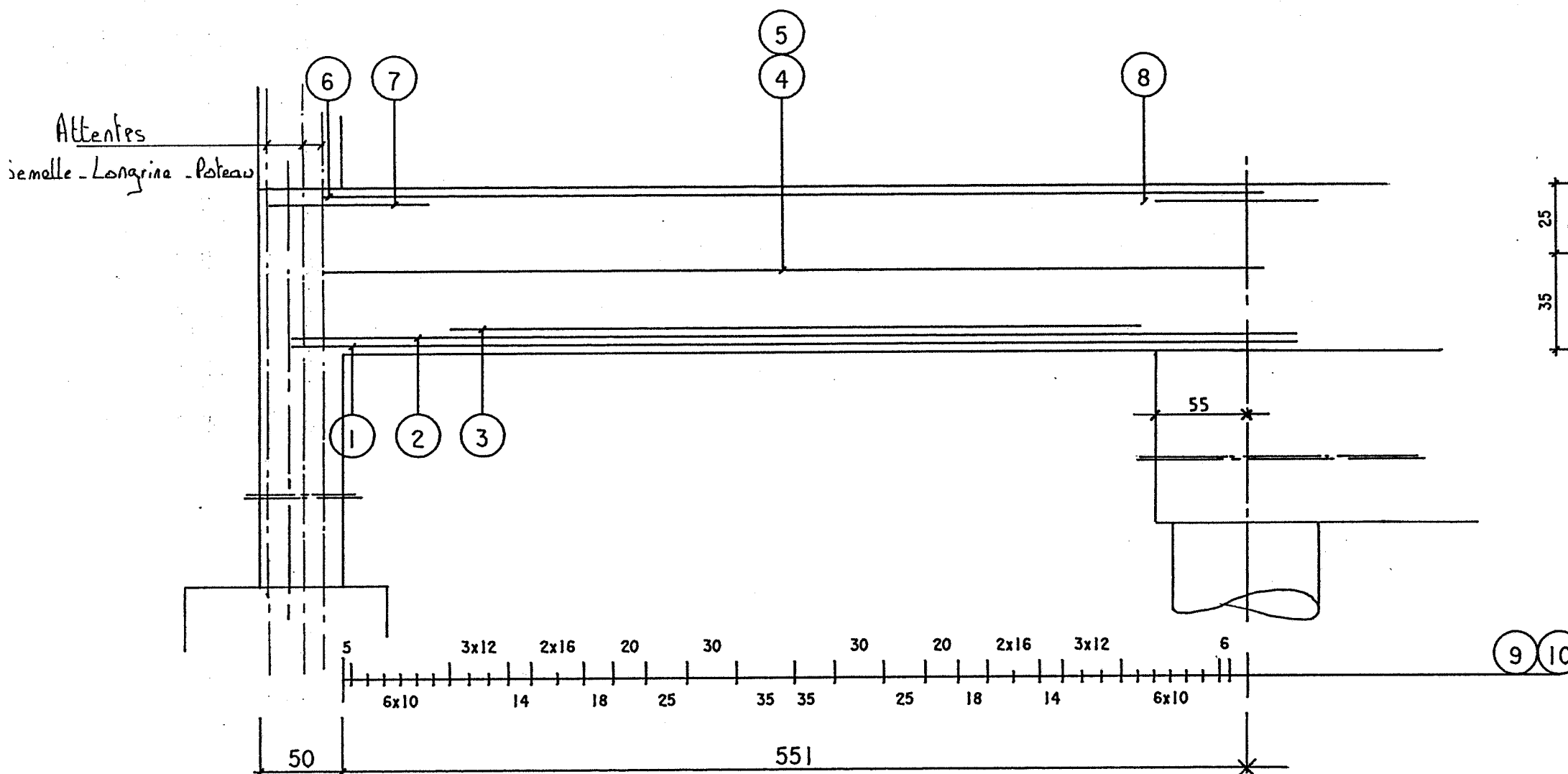
Section 40 x 60

P

PLAN , BUES EST

PAGE ,

ECH. , 0.03 x 0.05



1	5 HA 16 x 6.11	30'	9	36 HA 8 x 1.91	54' 34
2	5 HA 16 x 6.11	30'	10	108 HA 8 x 0.69	54'
3	5 HA 20 x 4.20	65'	11		
4	2 HA 8 x 5.71	10'	12		
5	12 HA 6 x 0.49 e.50	34	13		
6	5 HA 8 x 5.71	10'	14		
7	4 HA 12 x 0.96	43'	15		
8	4 HA 12 x 0.98	43'	16		

_ L7 _

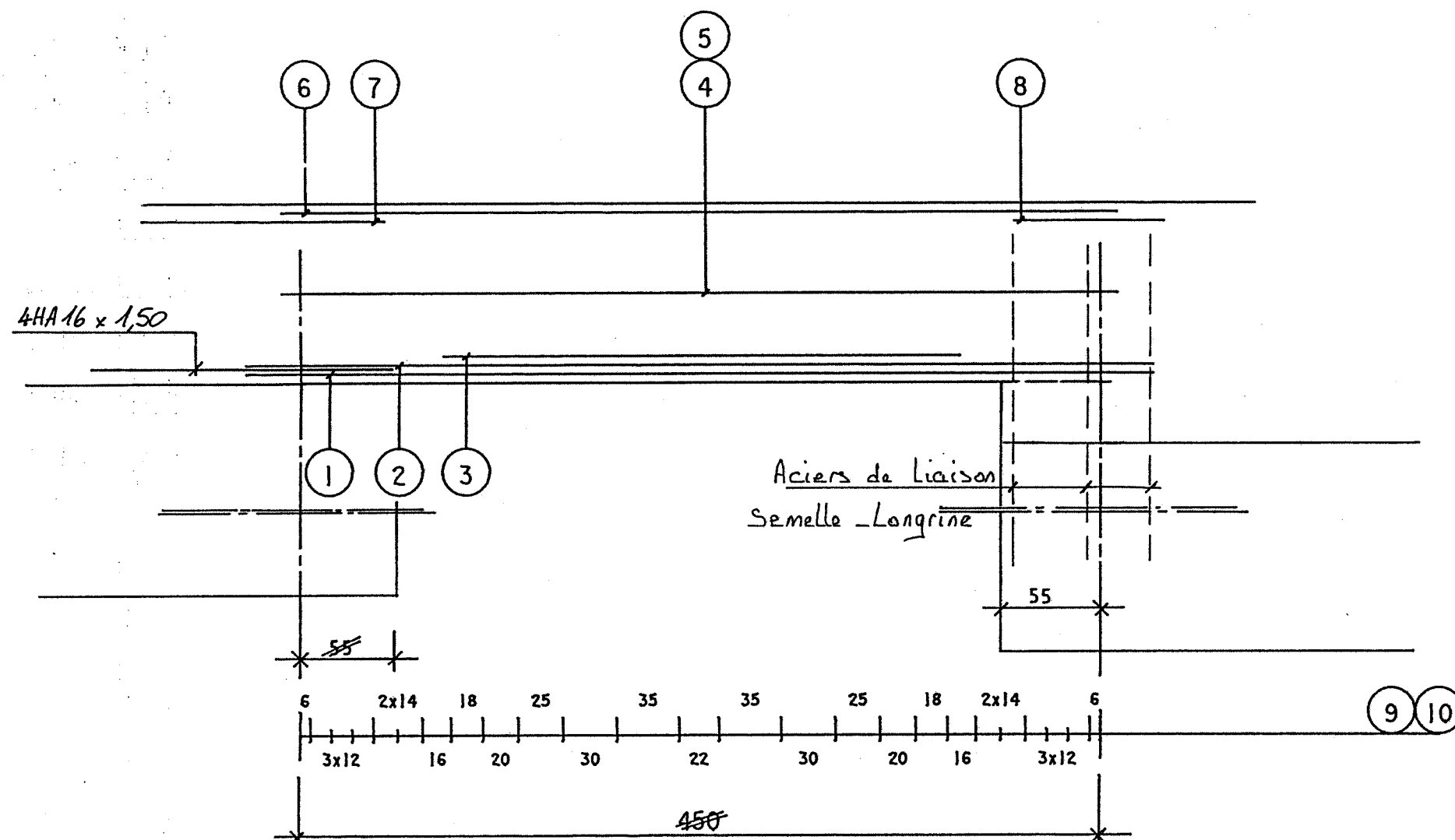
Section 40 x 60



PLAN , BUES EST

PAGE ,

ECH. , 0.03 x 0.05



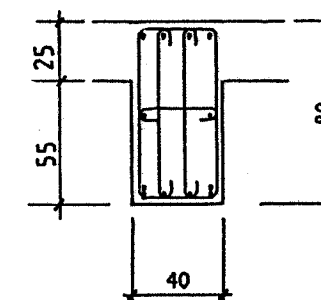
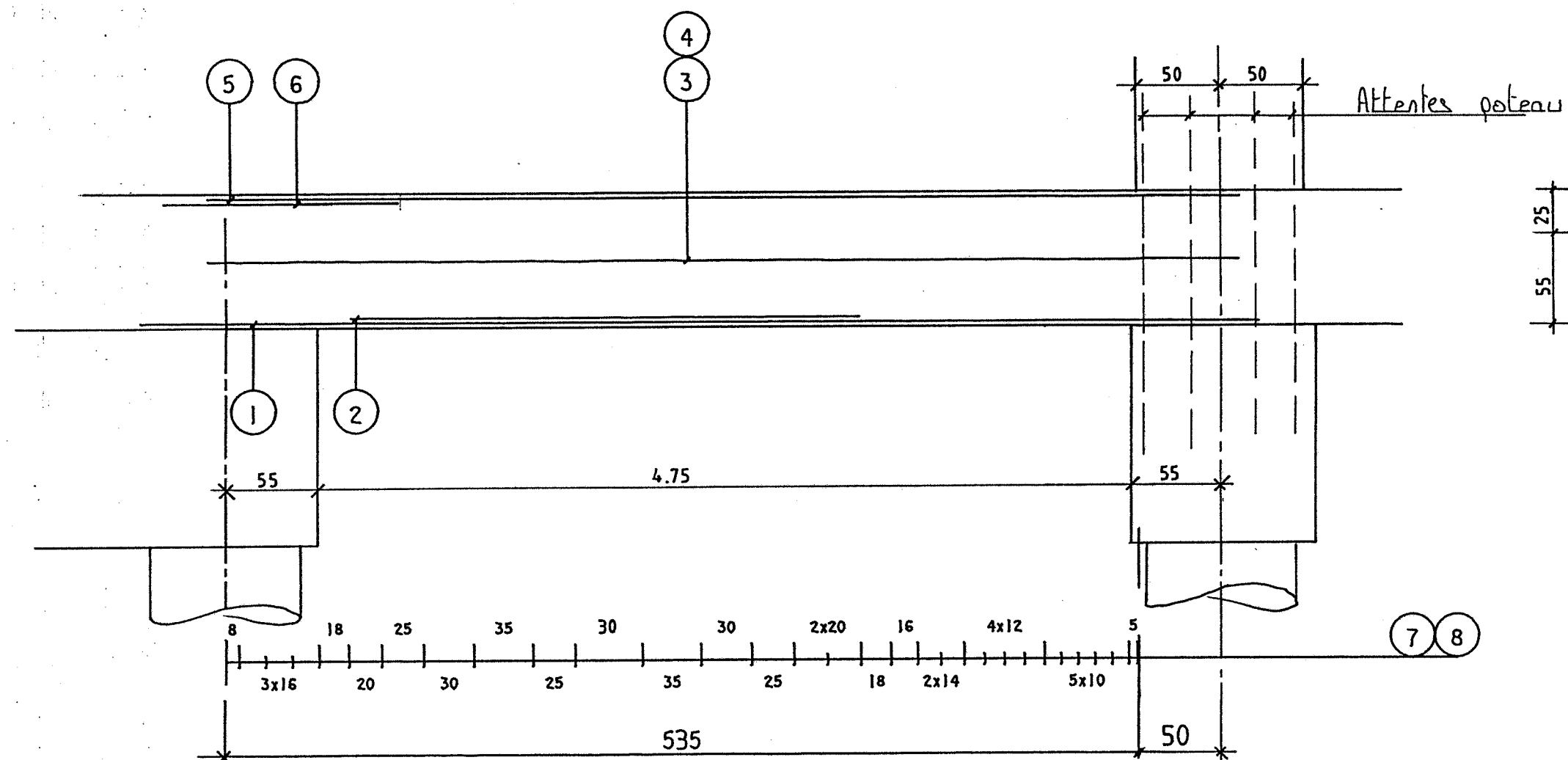
1	4 HA 16 x 5.10		9	24 HA 8 x 1.91	
2	4 HA 16 x 5.10		10	48 HA 8 x 0.69	
3	4 HA 14 x 2.90		11		
4	2 HA 8 x 4.70		12		
5	10 HA 6 x 0.49 e.50		13		
6	4 HA 8 x 4.70		14		
7	4 HA 10 x 1.50		15		
8	4 HA 10 x 0.84		16		

Section 40 x 80

PLAN , BUES EST

PAGE ,

ECH. , 0.03 x 0.03



1	4 HA 20 x 6.70	105	9
2	2 HA 16 x 3.03	75	10
3	2 HA 8 x 6.05	65	11
4	12 HA 6 x 0.49 e.50	34	12
5	4 HA 8 x 6.05	65	13
6	4 HA 10 x 1.55	31	14
7	29 HA 8 x 2.31	74	15
8	58 HA 8 x 0.89	74	16

L9

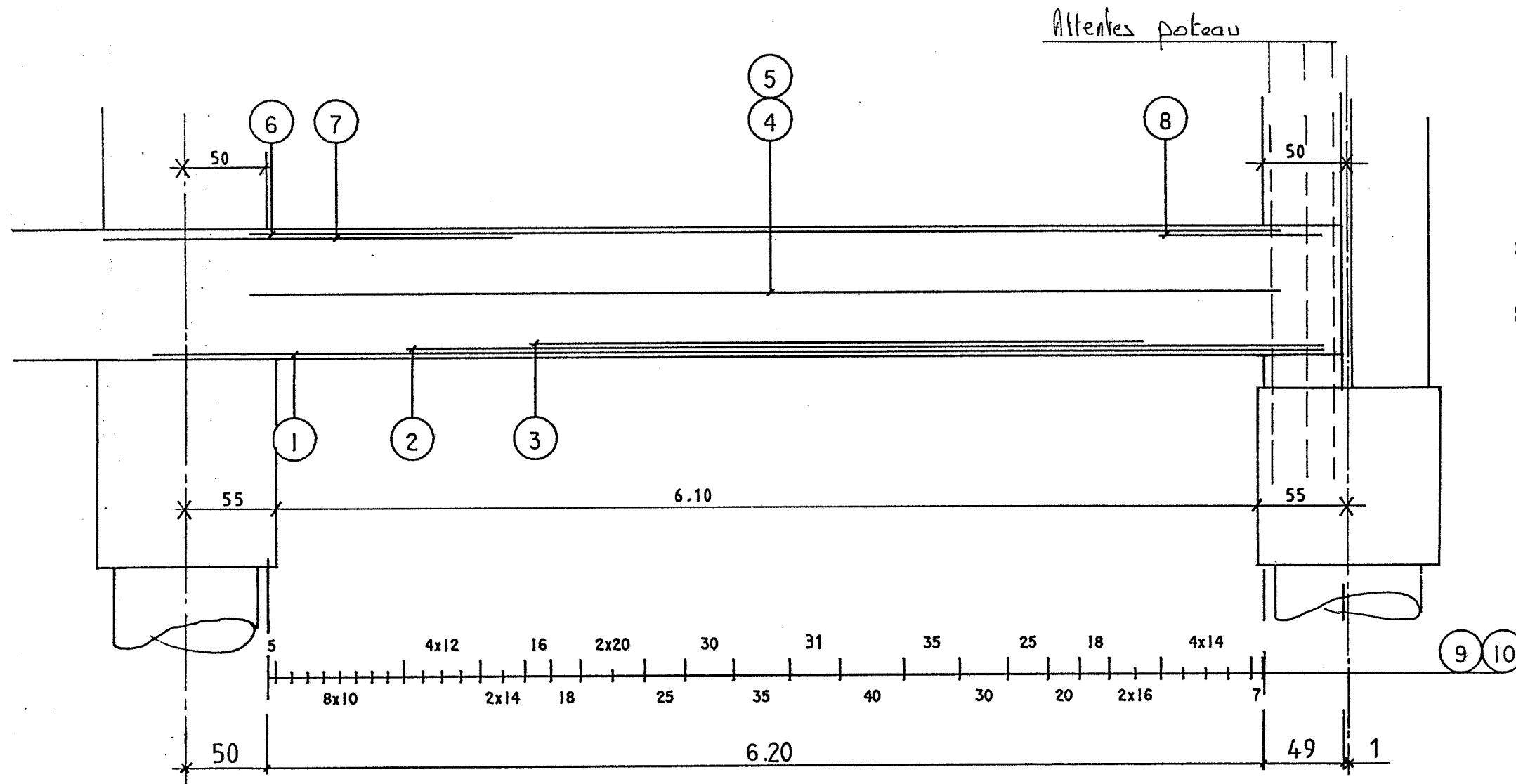
Section 40 x 80



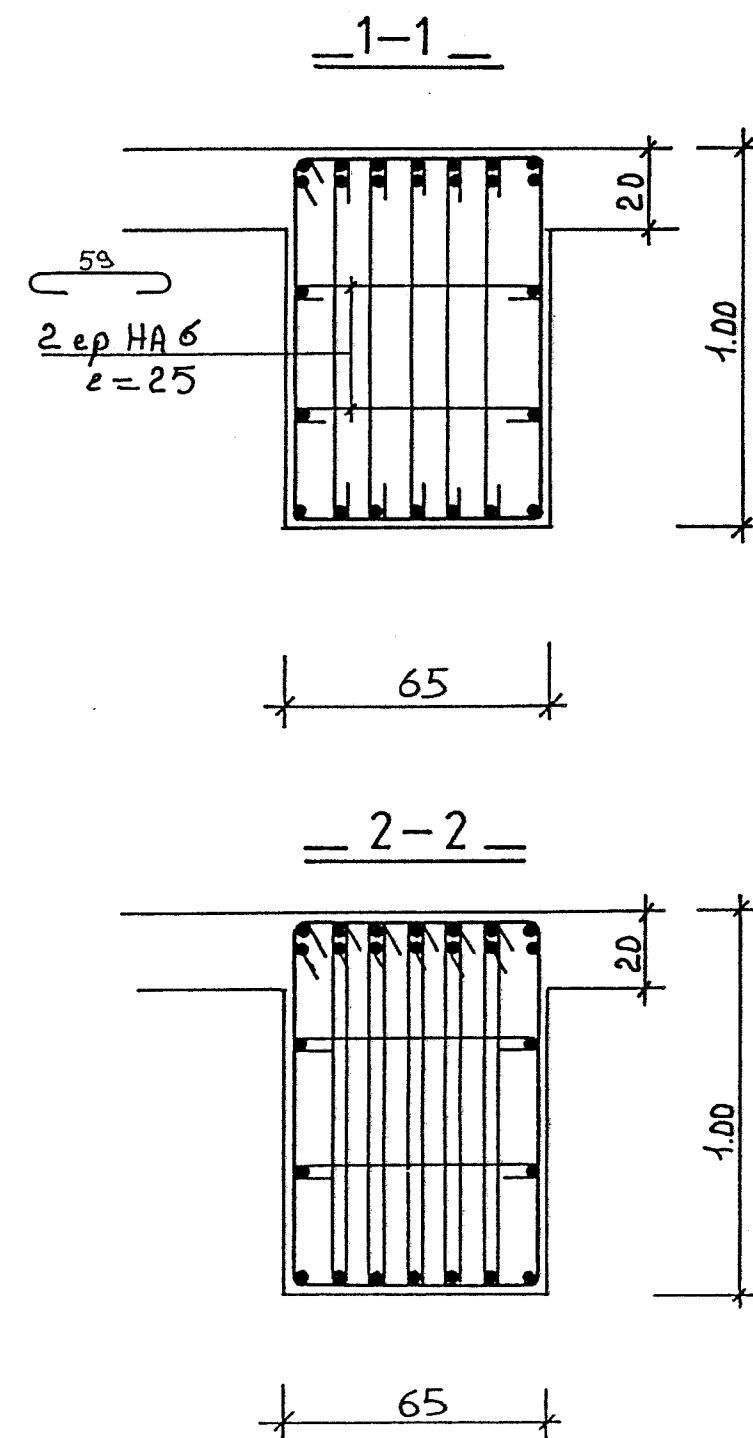
PLAN , BUES EST

PAGE ,

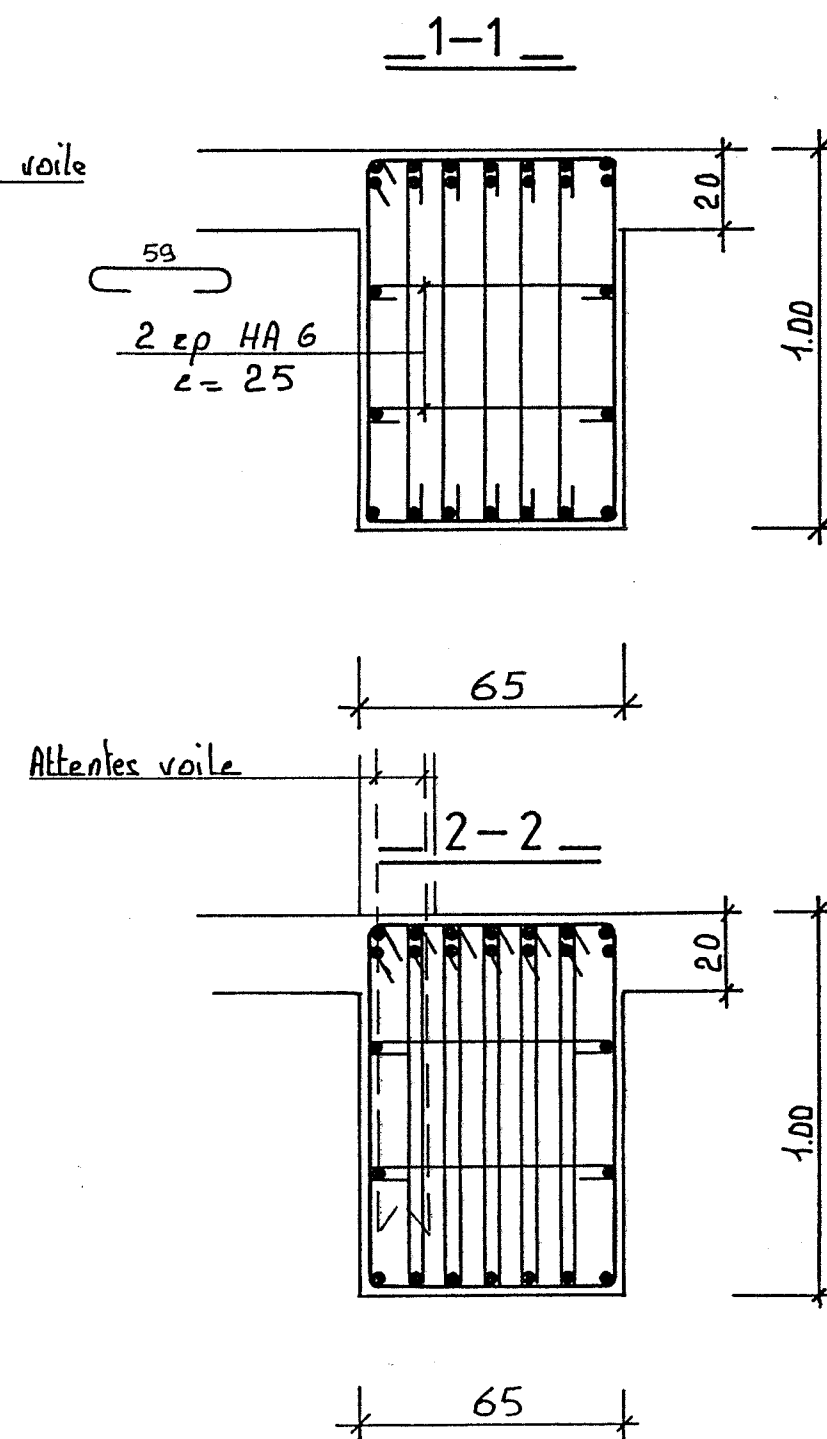
ECH. , 0.03 x 0.03



1	4 HA 16 x 7.23	66	9	35 HA 8 x 2.31	74 34
2	4 HA 16 x 5.70	37	10	70 HA 8 x 0.89	74
3	4 HA 14 x 3.81	75	11		
4	2 HA 8 x 6.40	10	12		
5	13 HA 6 x 0.49 e.50	34	13		
6	4 HA 8 x 6.40	10	14		
7	4 HA 25 x 4.21	268	15		
8	4 HA 10 x 1.00	36	16		



~~CONFIDENTIAL~~



L12

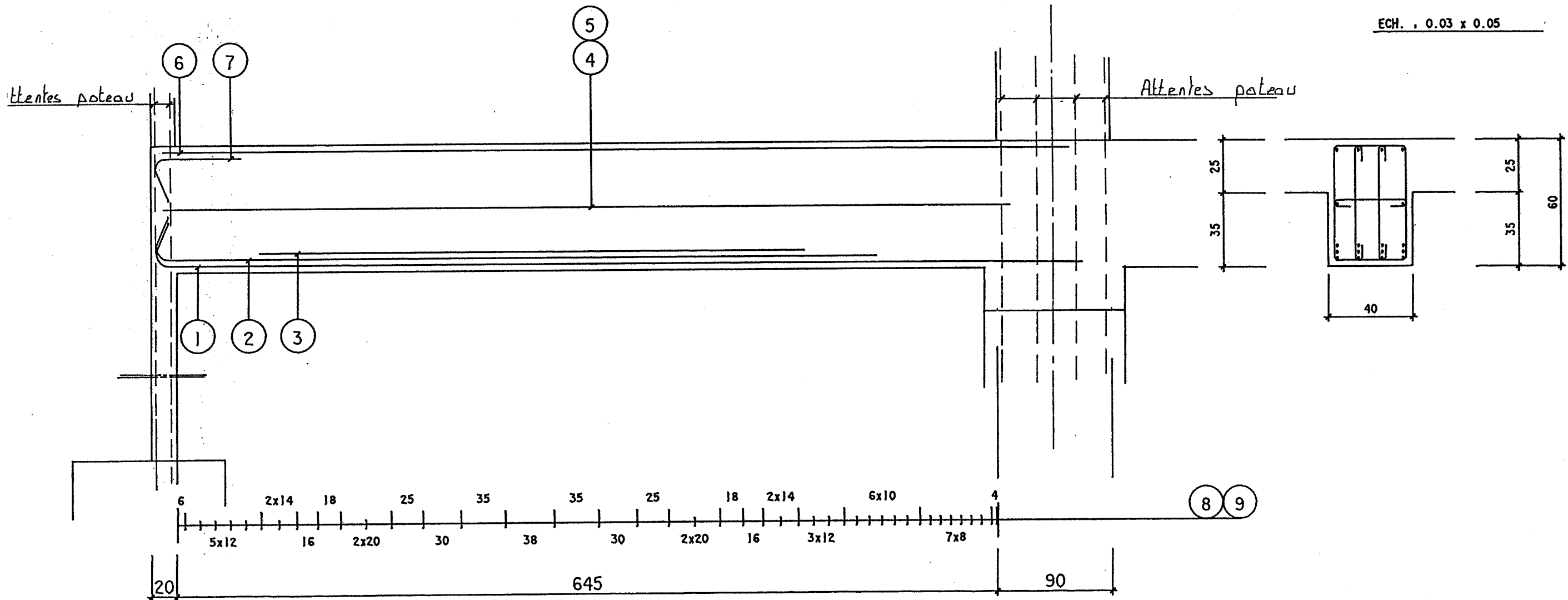
Section 40 x 60



PLAN, BUES EST

PAGE .

ECH. : 0.03 x 0.05



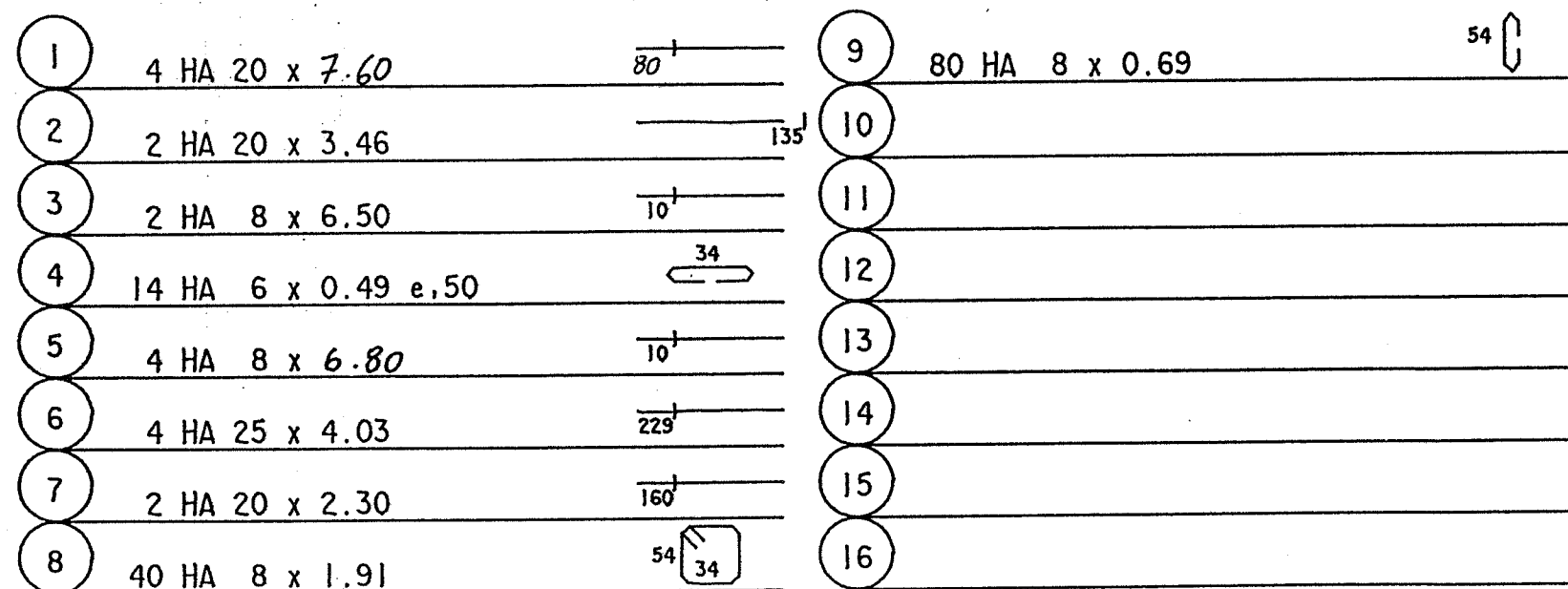
1	4 HA 16 x 7.43	$\frac{20}{17}$ 706	9	82 HA 8 x 0.69	54
2	4 HA 16 x 5.87	$\frac{17}{17}$ 550	10		
3	4 HA 20 x 4.28	$\frac{1}{65}$	11		
4	2 HA 8 x 6.65	$\frac{10}{10}$	12		
5	14 HA 6 x 0.49 e.50	$\frac{34}{34}$	13		
6	4 HA 8 x 7.10	$\frac{10}{10}$	14		
7	4 HA 12 x 0.88	$\frac{17}{17}$ 51	15		
8	41 HA 8 x 1.91	$\frac{54}{34}$	16		

Section 40 x 60

PLAN , BUES EST

PAGE .

ECH. , 0.03 x 0.05



_ L14 _

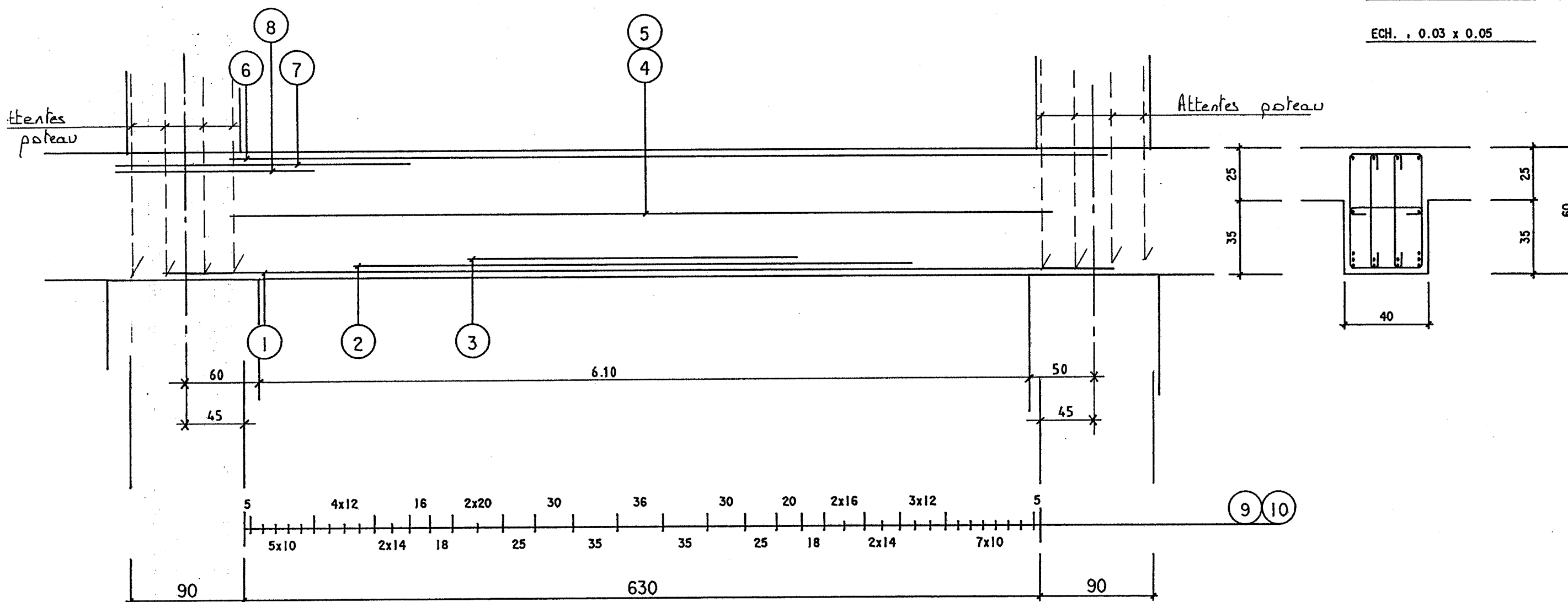
Section 40 x 60



PLAN , BUES EST

PAGE ,

ECH. , 0.03 x 0.05



1	4 HA 16 x 7.52	$\frac{61}{1}$	9	39 HA 8 x 1.91	$\frac{54}{34}$
2	4 HA 16 x 4.42	$\frac{187}{1}$	10	78 HA 8 x 0.69	$\frac{54}{1}$
3	2 HA 14 x 2.60	$\frac{178}{1}$	11		
4	2 HA 8 x 6.50	$\frac{10}{1}$	12		
5	14 HA 6 x 0.49 e.50	$\frac{34}{1}$	13		
6	4 HA 8 x 6.80	$\frac{10}{1}$	14		
7	4 HA 20 x 3.55	$\frac{223}{1}$	15		
8	2 HA 16 x 2.02	$\frac{145}{1}$	16		

L15

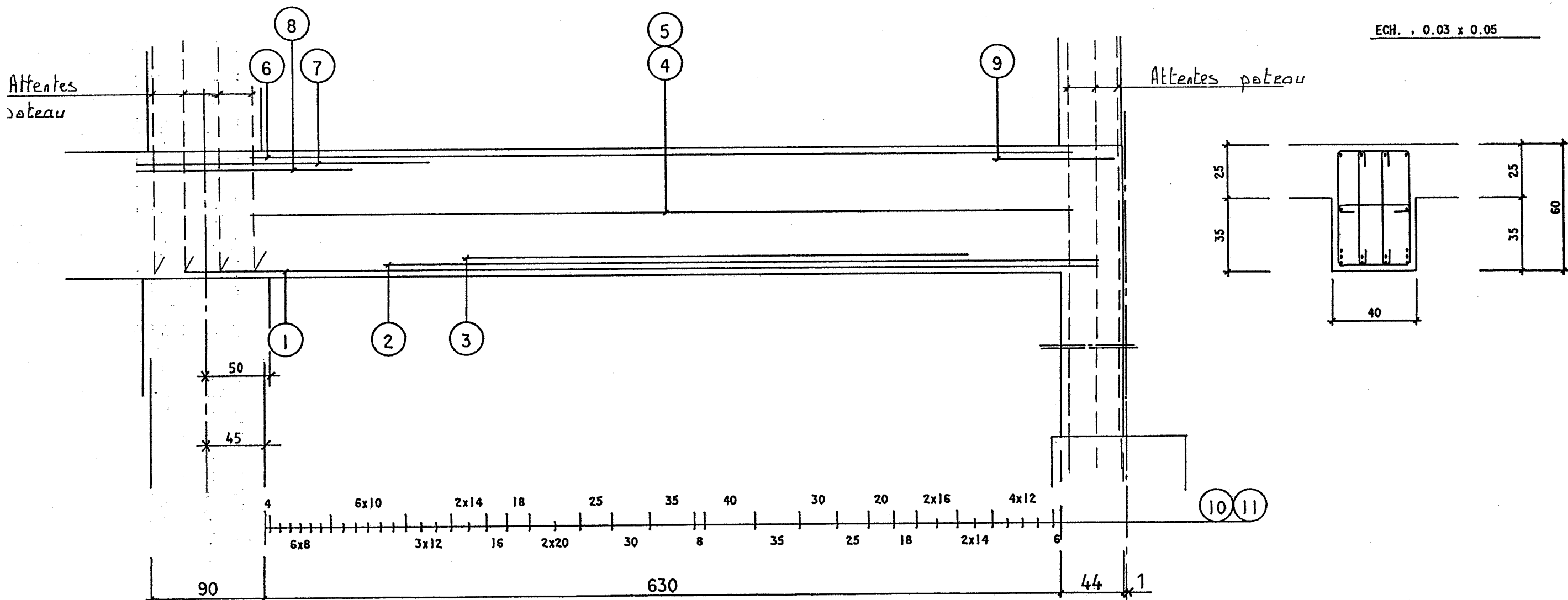
Section 40 x 60



PLAN, BUES EST

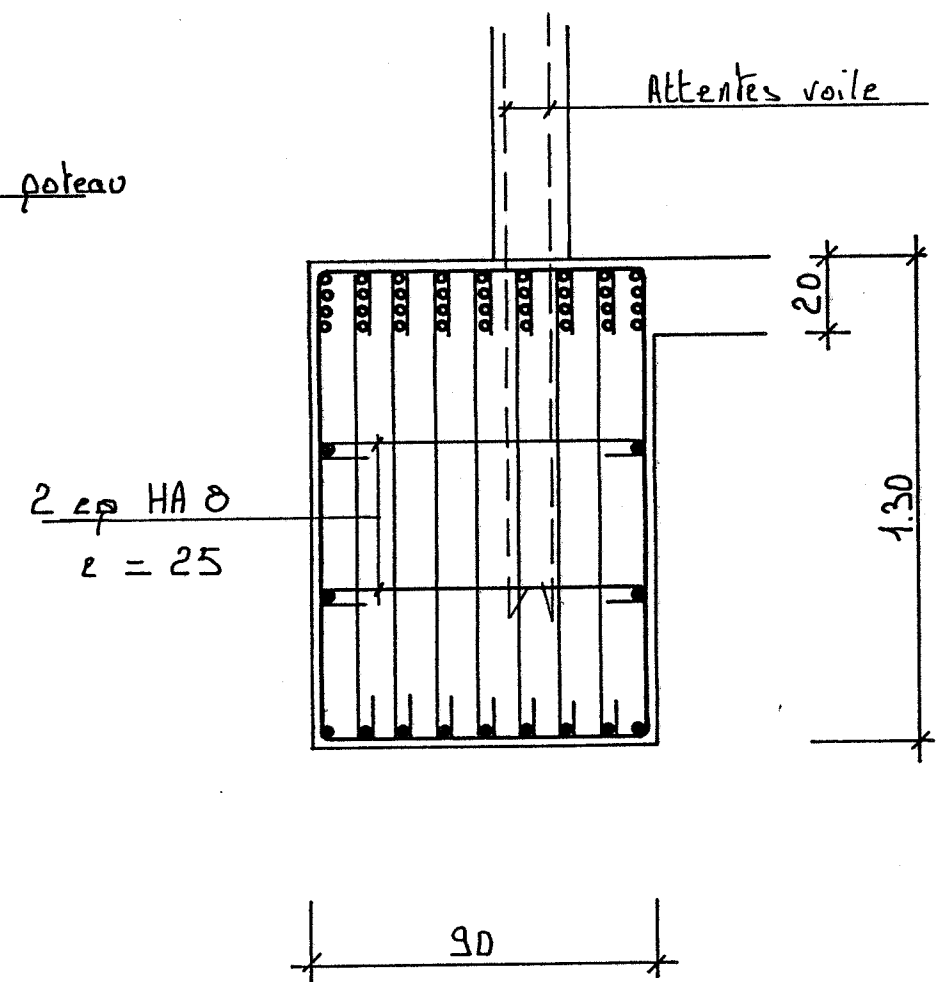
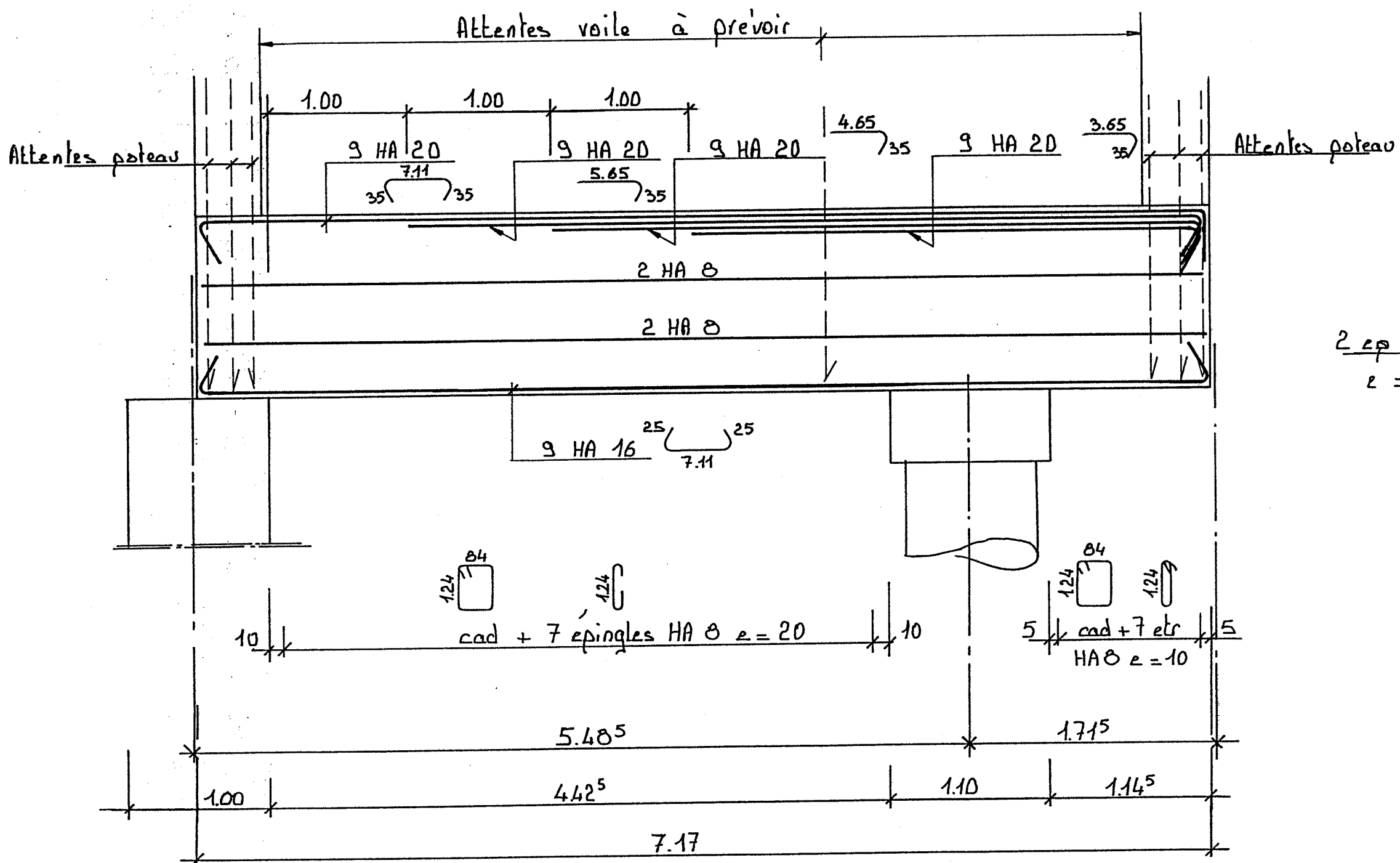
PAGE

ECH. : 0.03 x 0.05



1	4 HA 16 x 7.21	61	9	4 HA 12 x 0.95	43
2	4 HA 16 x 5.65	29	10	40 HA 8 x 1.91	54 34
3	2 HA 25 x 4.00	73	11	80 HA 8 x 0.69	54
4	2 HA 8 x 6.50	10	12		
5	14 HA 6 x 0.49 e.50	34	13		
6	4 HA 8 x 6.50	10	14		
7	4 HA 25 x 3.89	258	15		
8	2 HA 20 x 2.30	160	16		

L 16



L17

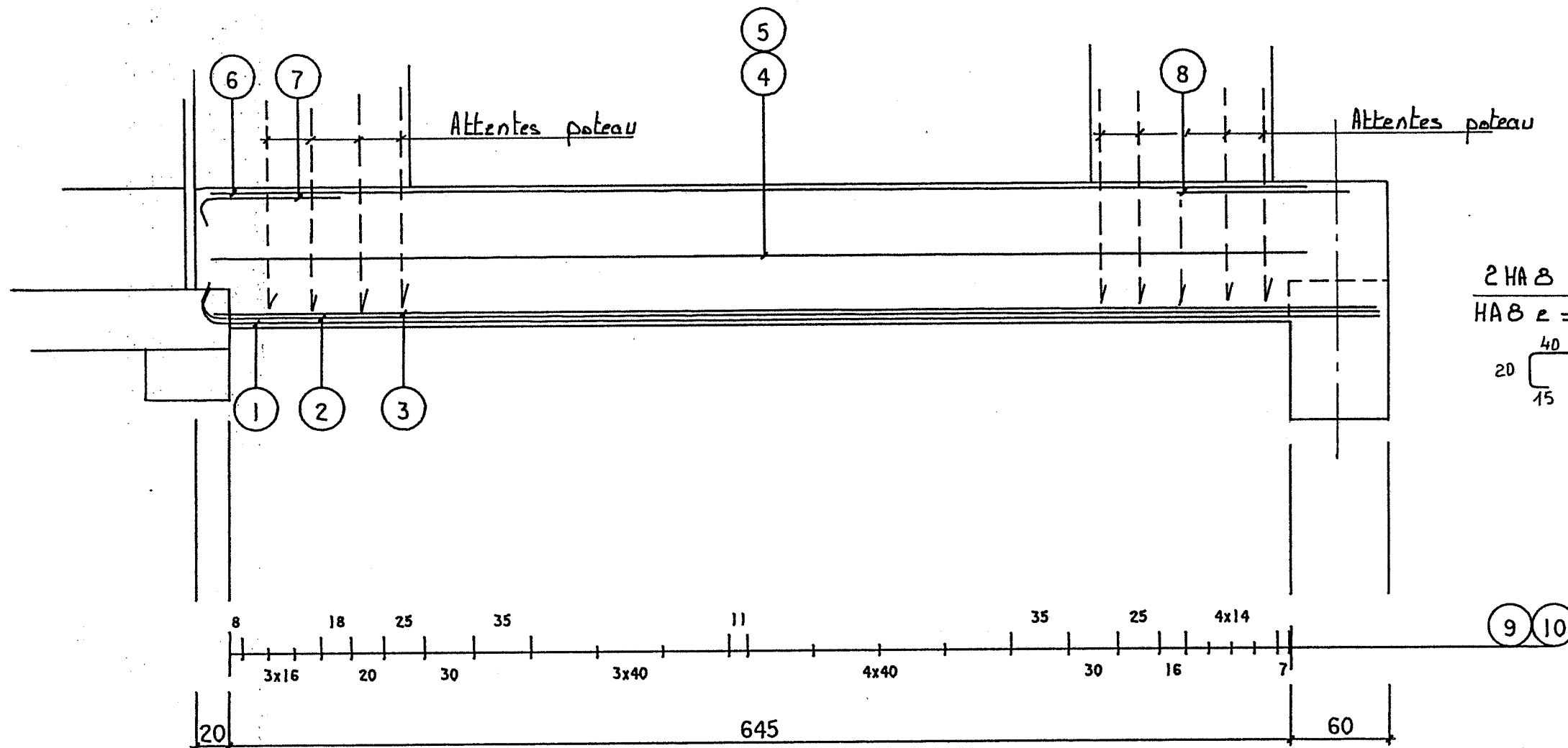
Section 30 x 85



PLAN, BUES EST

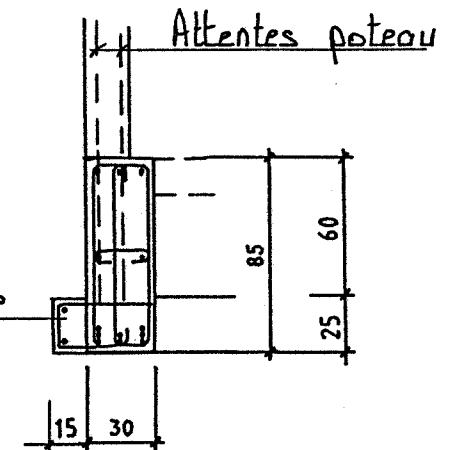
PAGE .

ECH. , 0.03 x 0.03



2 HA 8 Filants
HA 8 $e = 30$

20 $\begin{matrix} 40 \\ 15 \end{matrix}$



1	3 HA 16 x 7.36	$\begin{matrix} \diagup \\ 17 \end{matrix}$ 699	9	25 HA 8 x 2.21	79 $\begin{matrix} \diagup \\ 24 \end{matrix}$
2	3 HA 16 x 7.36	$\begin{matrix} \diagup \\ 17 \end{matrix}$ 699	10	25 HA 8 x 0.94	79 $\begin{matrix} \diagup \\ 24 \end{matrix}$
3	2 HA 16 x 4.73	68	11		
4	2 HA 8 x 6.65	10	12		
5	14 HA 6 x 0.39 e.50	24	13		
6	3 HA 8 x 6.65	10	14		
7	3 HA 10 x 1.00	17 67	15		
8	3 HA 10 x 1.04	36	16		

L18

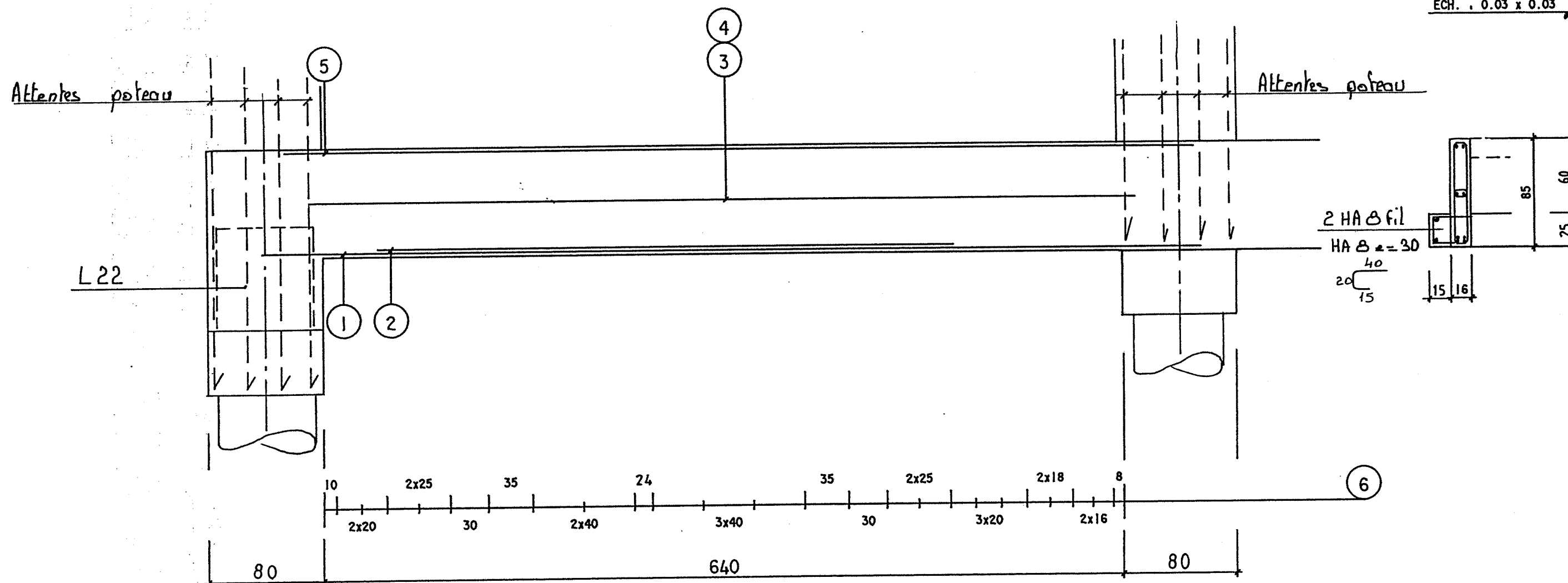
Section 16 x 85

P

PLAN, BUES EST

PAGE

ECH. : 0.03 x 0.03



1	2 HA 16 x 7.43	47
2	2 HA 14 x 4.63	44
3	2 HA 8 x 6.60	10
4	14 HA 6 x 0.25 e.50	9
5	2 HA 8 x 7.19	28
6	24 HA 8 x 1.93	79
7		
8		

- L19 -

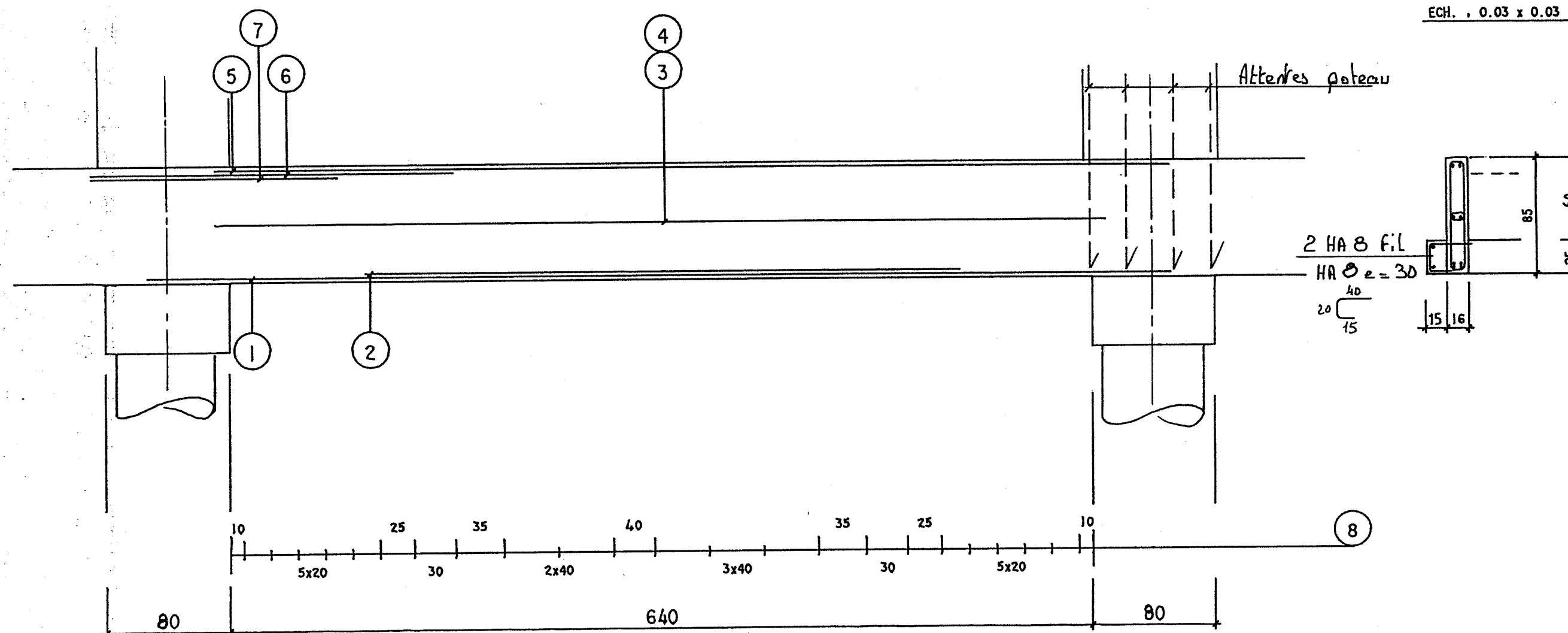
Section 16 x 85

4

PLAN , BUES EST

PAGE .

ECH. , 0.03 x 0.03



1	2 HA 12 x 7.44	52'	9
2	2 HA 12 x 4.44	96'	10
3	2 HA 8 x 6.60	10'	11
4	14 HA 6 x 0.25 e.50	9	12
5	2 HA 8 x 6.90	10'	13
6	2 HA 14 x 3.93	229'	14
7	2 HA 12 x 2.48	168'	15
8	23 HA 8 x 1.93	79' 	16

L20

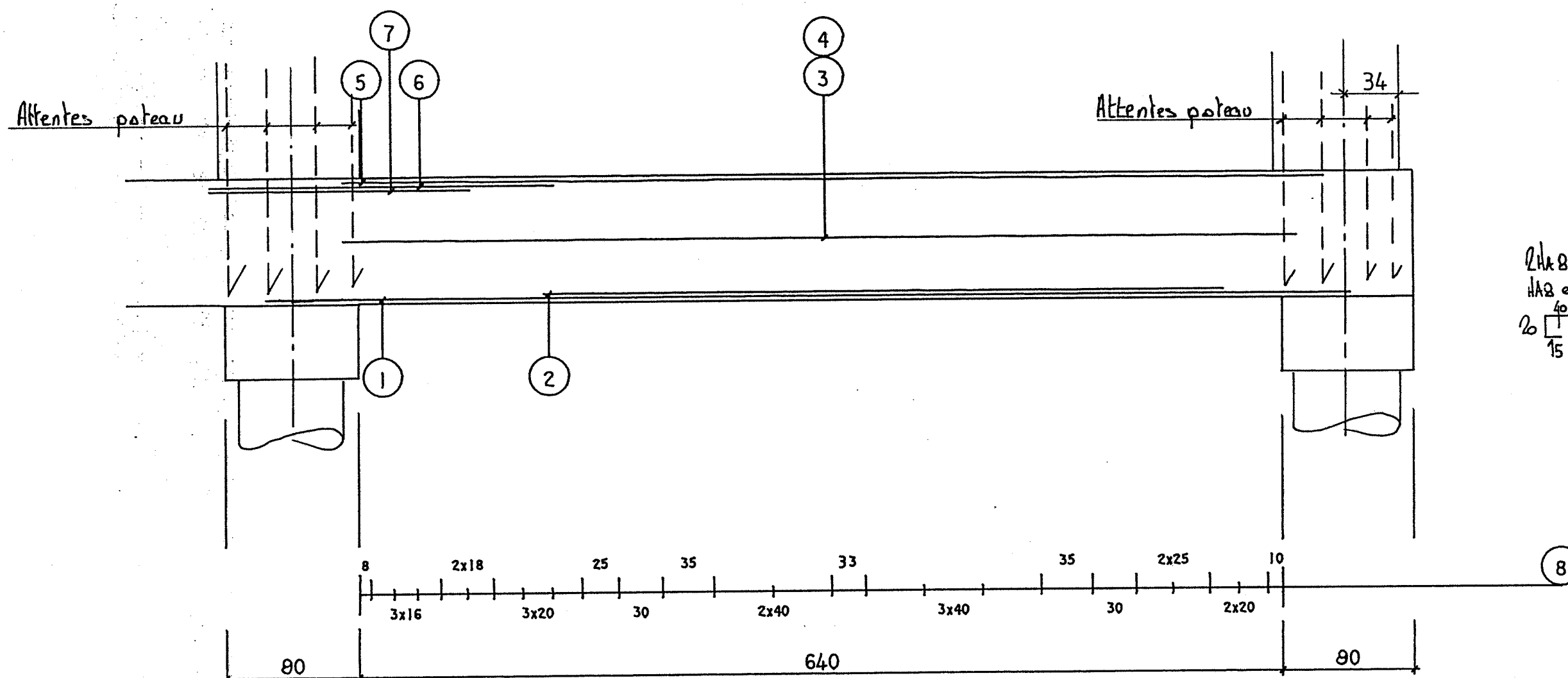
Section 16 x 85

P

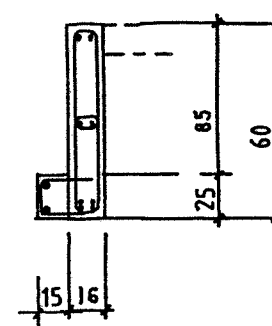
PLAN, BUES EST

PAGE ,

ECH. , 0.03 x 0.03

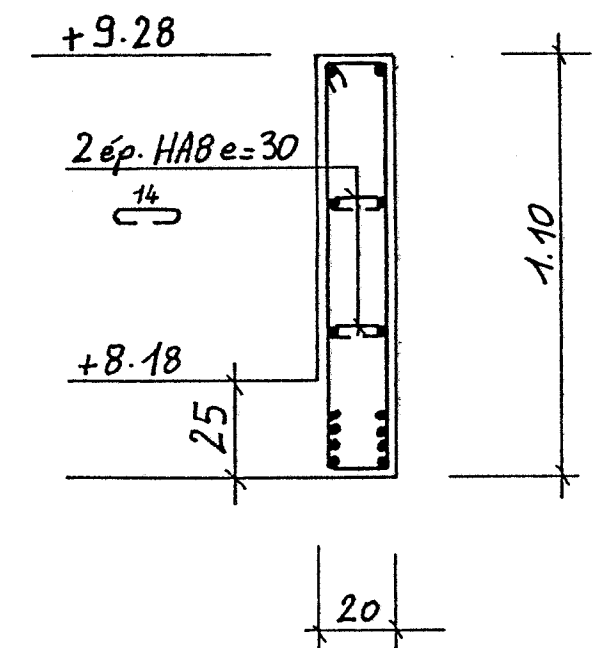
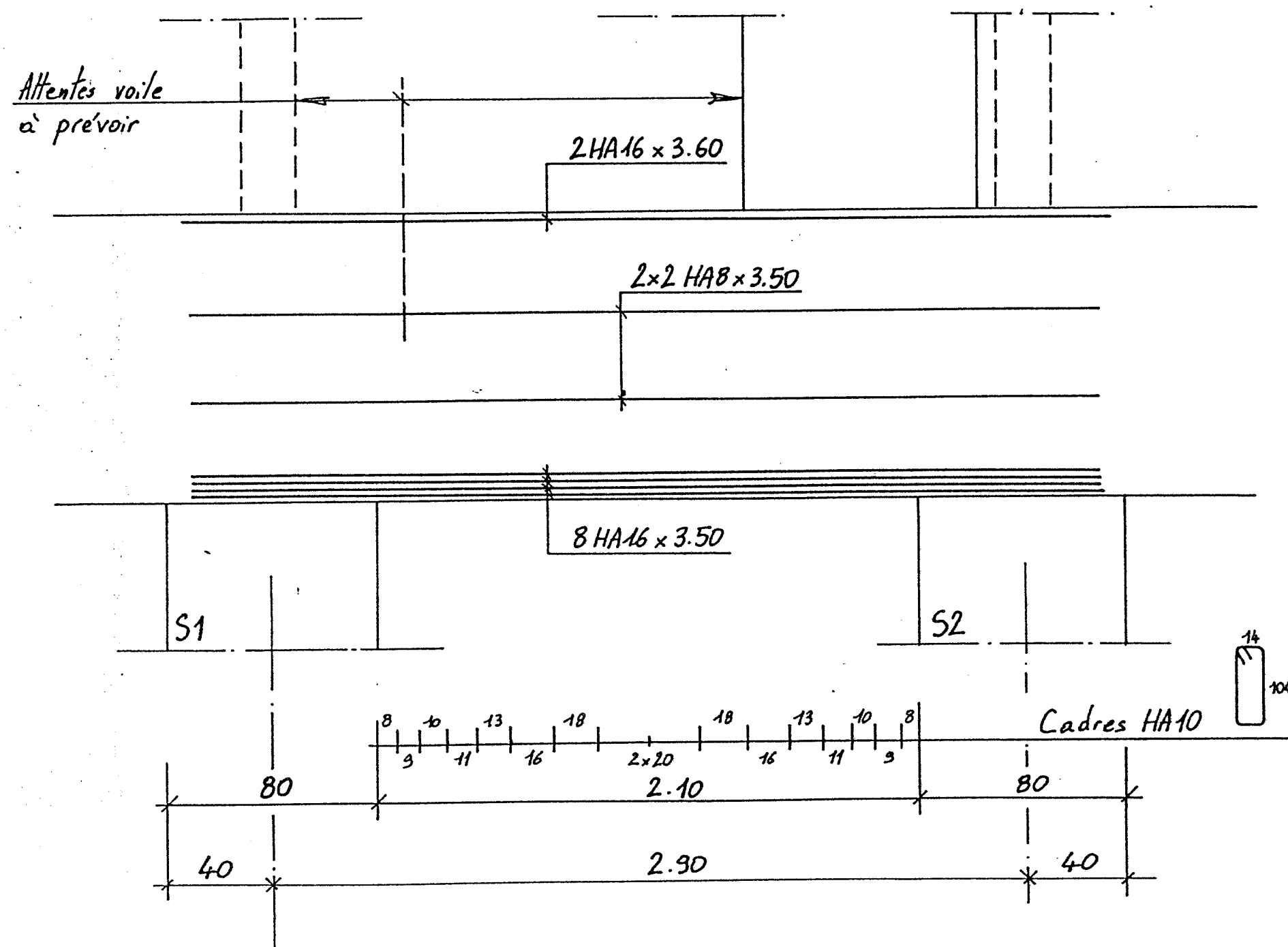


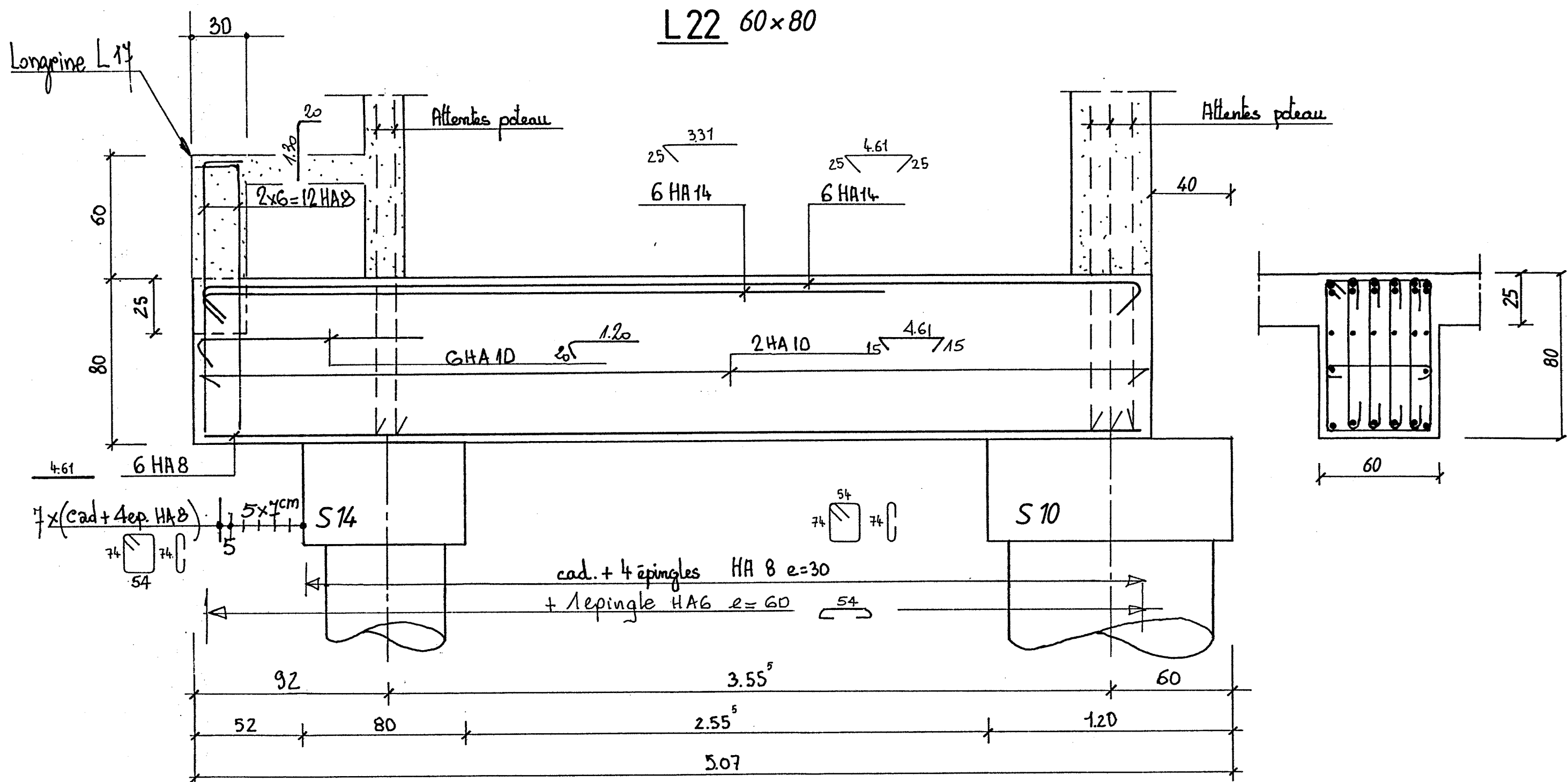
2 HA 8 60
HA 8 e = 30
20 40
15



1	2 HA 16 x 7.43	56	9	
2	2 HA 14 x 4.73	40	10	
3	2 HA 8 x 6.60	10	11	
4	14 HA 6 x 0.25 e.50	9	12	
5	2 HA 8 x 6.79	10	13	
6	2 HA 14 x 3.98	254	14	
7	2 HA 12 x 2.57	170	15	
8	24 HA 8 x 1.93	79 9	16	

— L21 — 20 × 1.10





L23

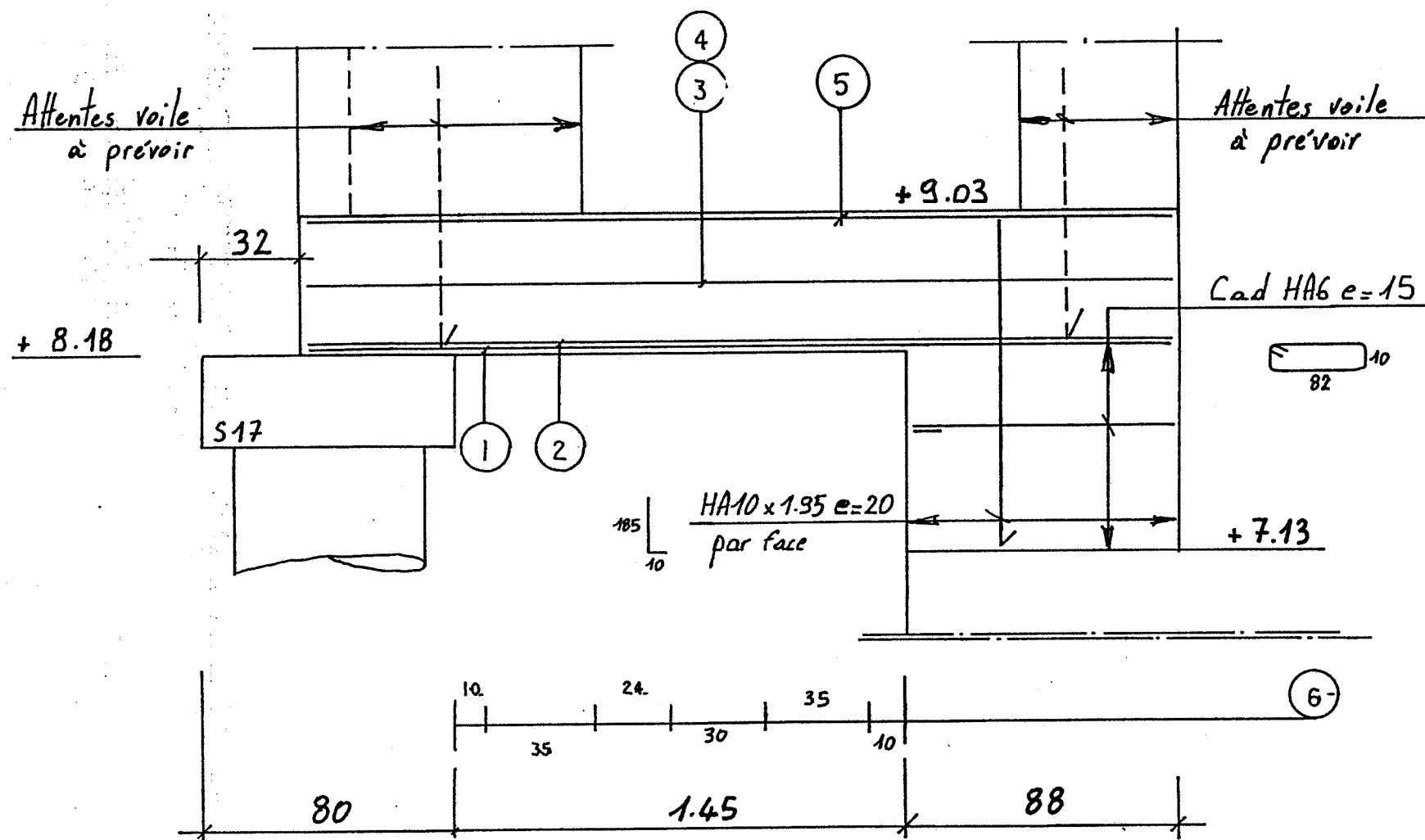
Section 16 x 85



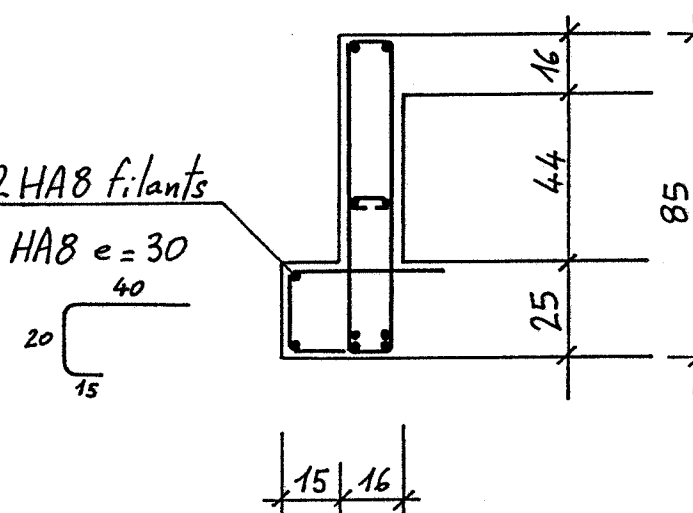
PLAN LONG-EST

PAGE

ECH. 0.05-x 0.03



2 HA8 filants
+ HA8 e=30



1	2 HA 10 x 2.75	45
2	2 HA 10 x 2.75	45
3	2 HA 8 x 2.75	45
4	4 HA 6 x 0.25 e.50	10
5	2 HA 8 x 2.75	45
6	5 HA 8 x 1.93	79
7		
8		

L24

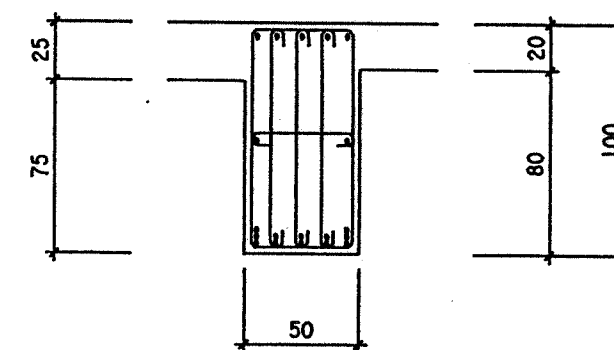
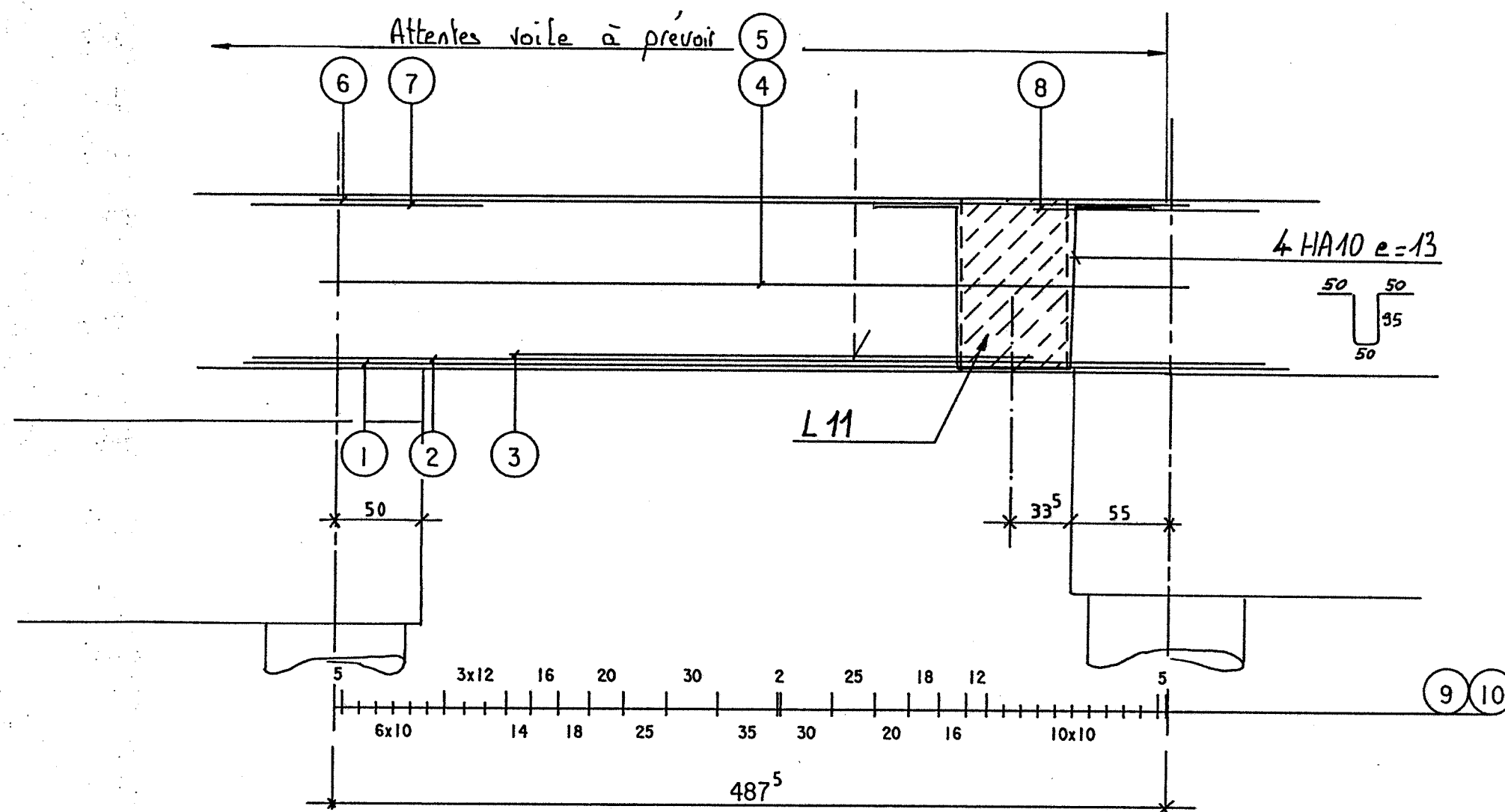
Section 50 x 100

P

PLAN, BUES EST

PAGE

ECH. : 0.03 x 0.03



1	5 HA 25 x 6.17	61	9	34 HA 8 x 2.91	94 44
2	5 HA 20 x 5.91	49	10	102 HA 8 x 1.09	94
3	2 HA 20 x 3.06	80	11		
4	2 HA 8 x 5.07	10	12		
5	11 HA 6 x 0.59 e.50	44	13		
6	5 HA 8 x 5.07	10	14		
7	5 HA 14 x 1.35	50	15		
8	5 HA 14 x 1.30	50	16		

L25

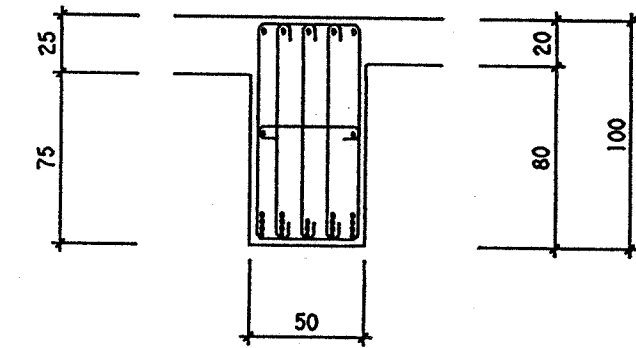
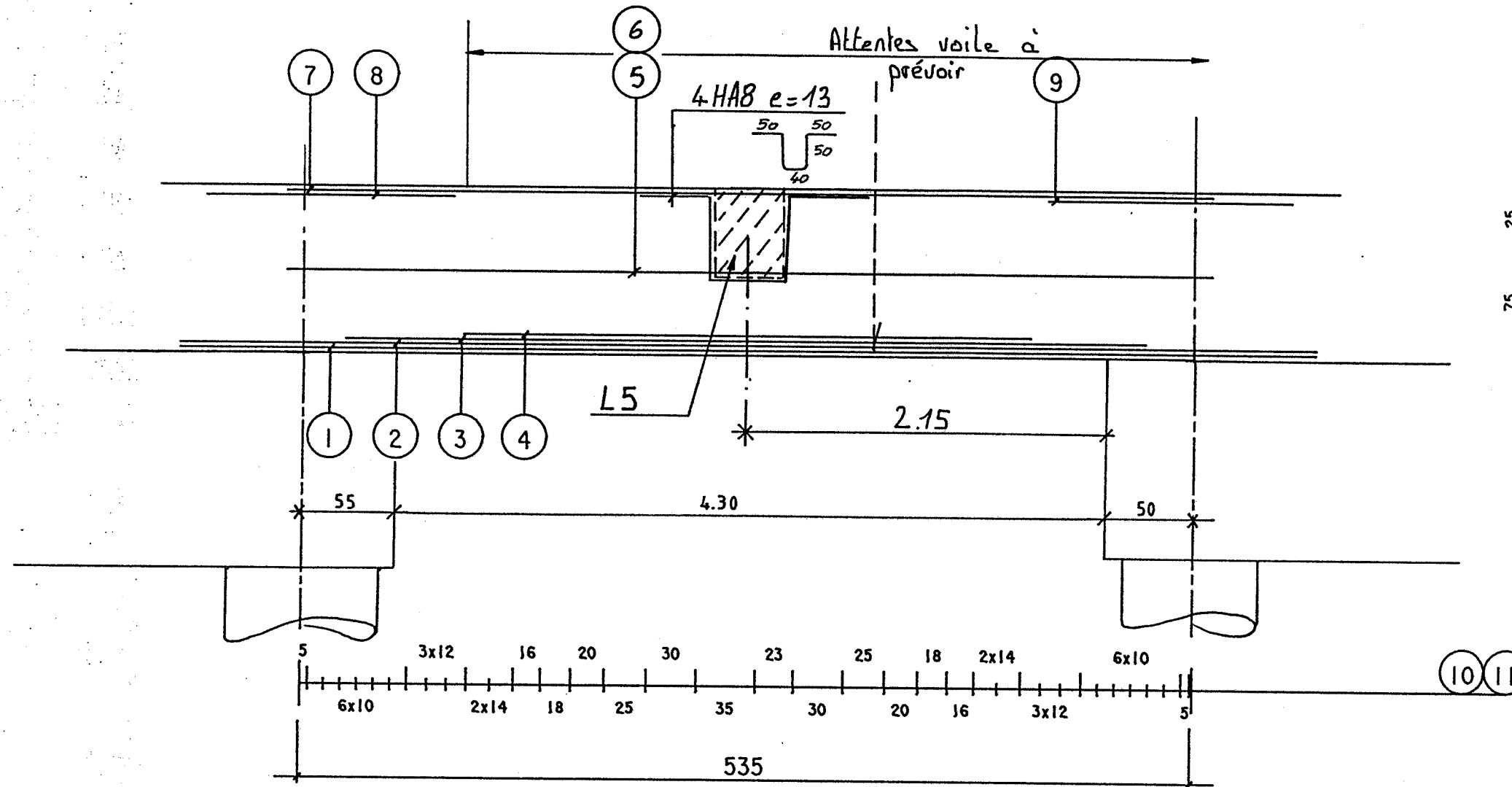
Section 50 x 100

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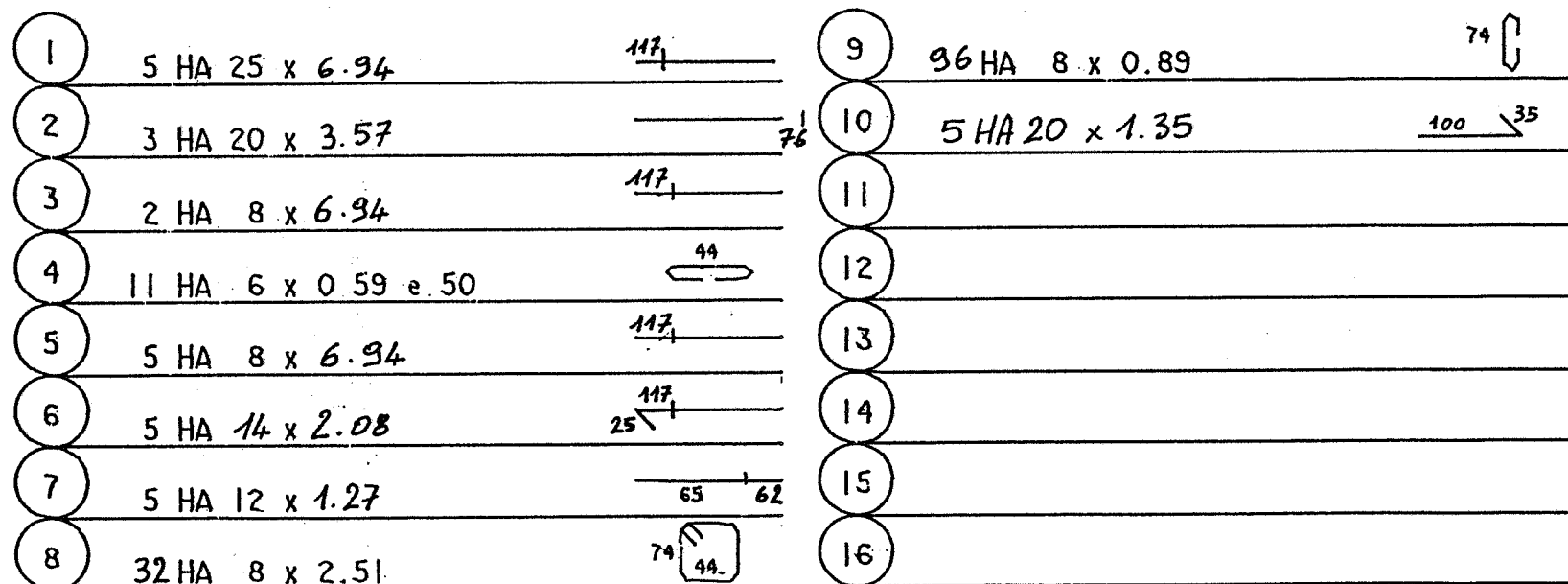
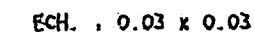
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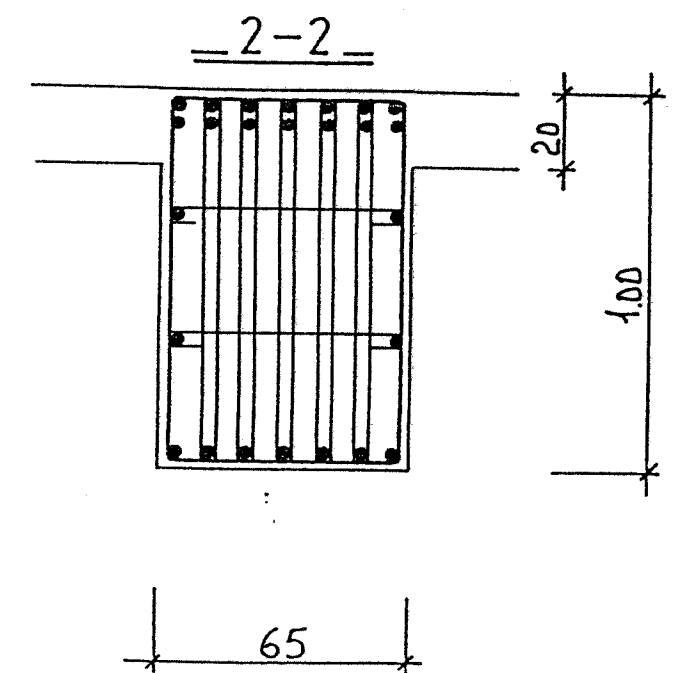
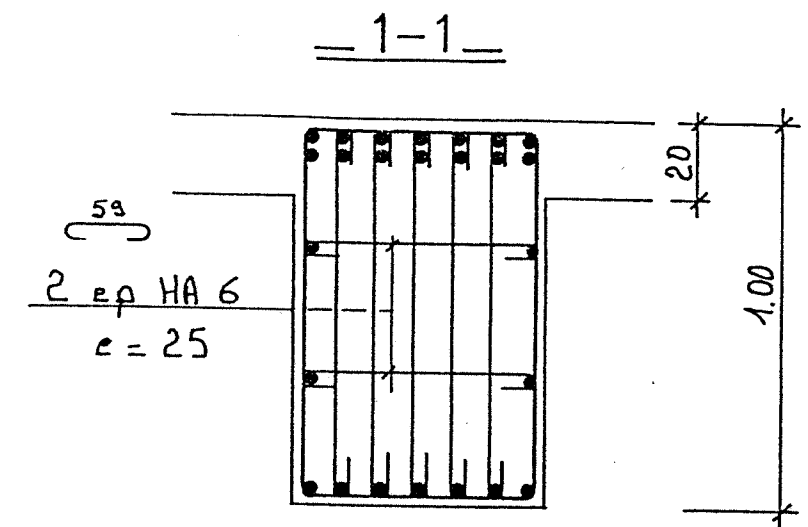
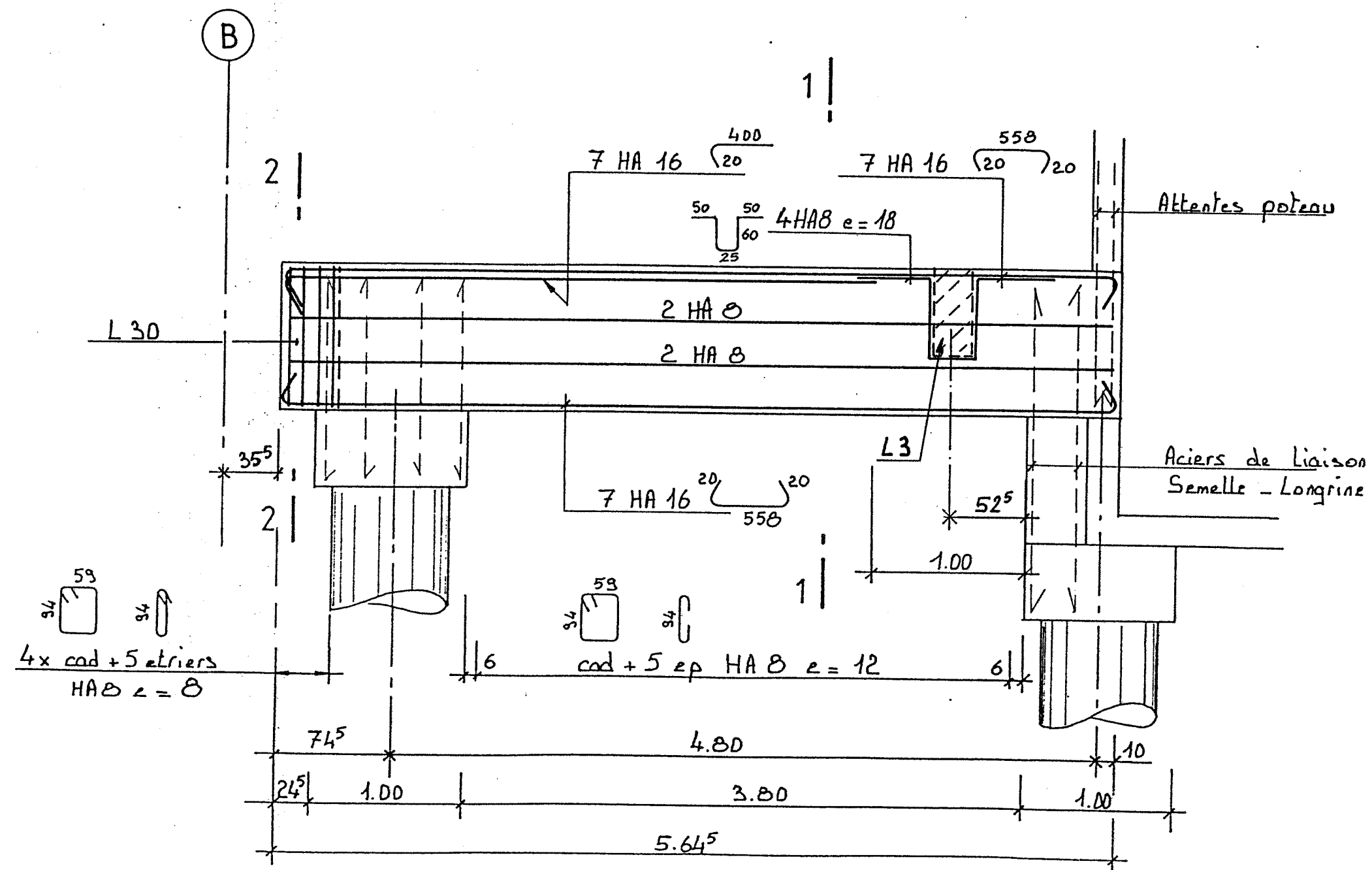
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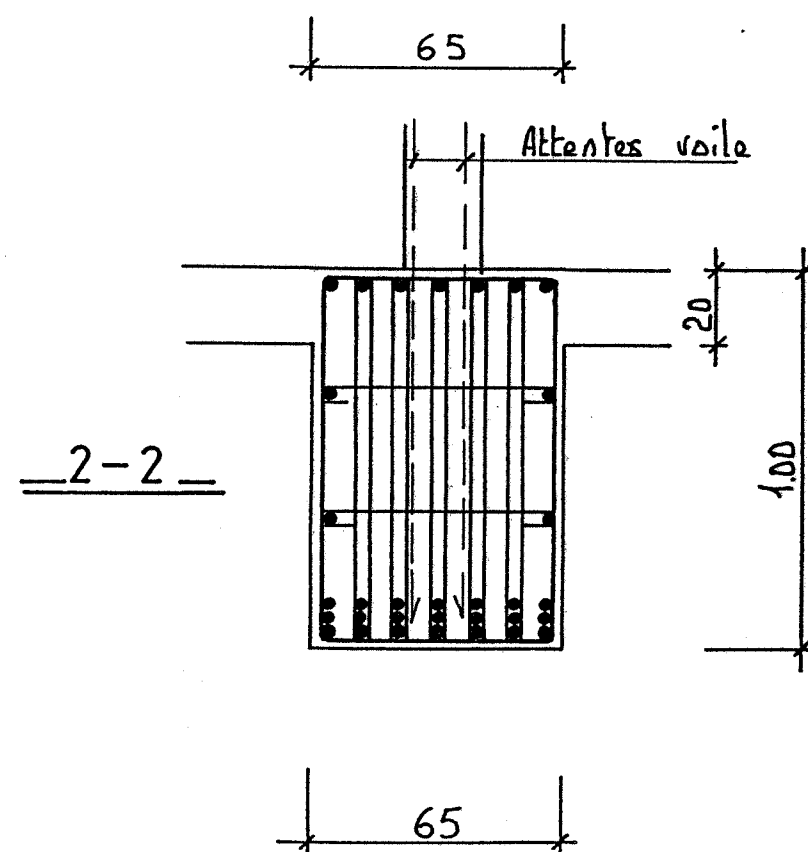
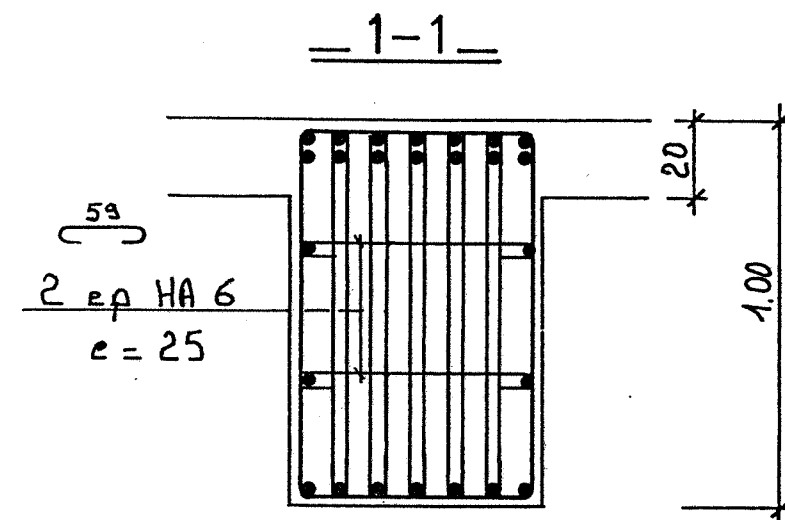
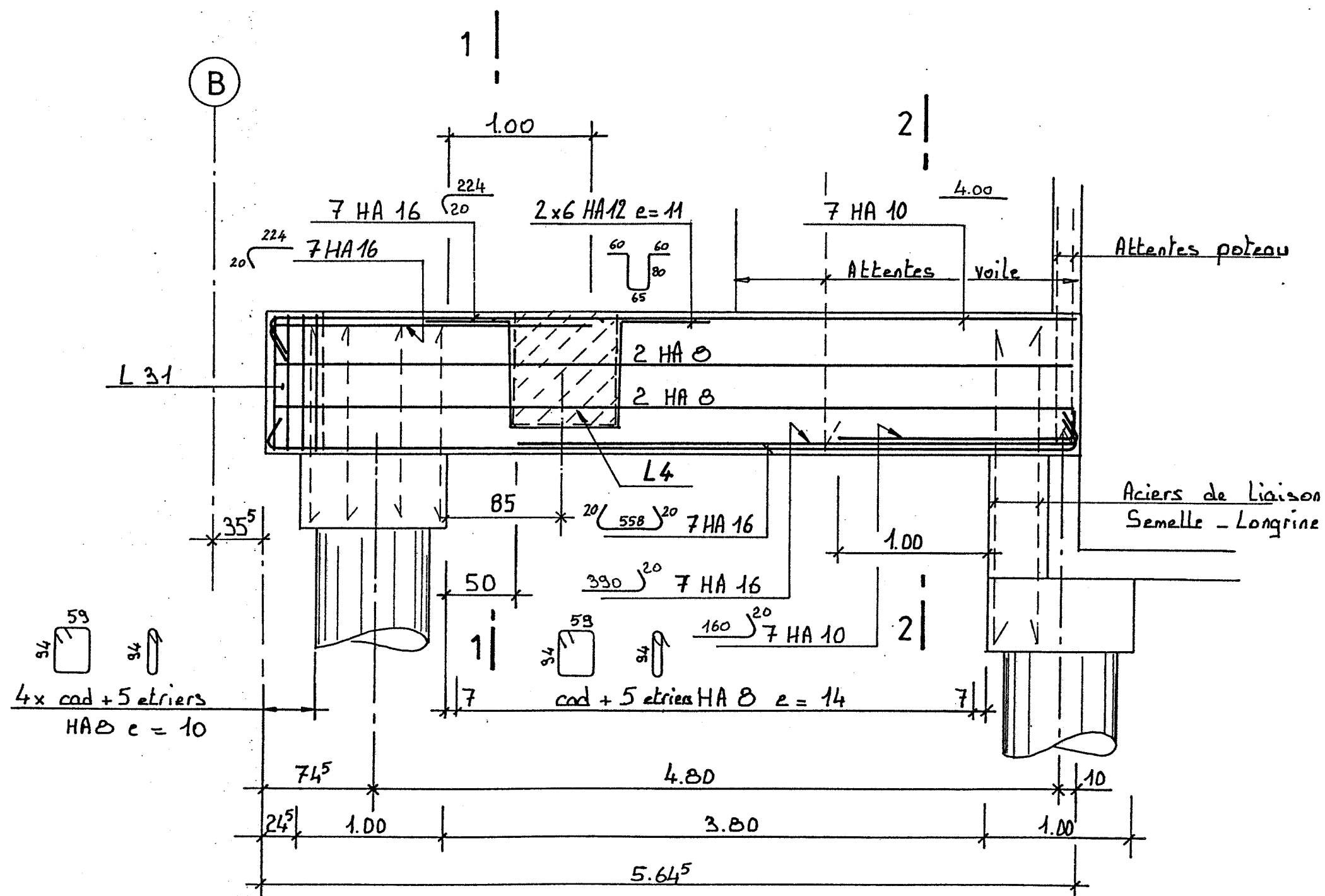
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2	5 HA 25 x 6.81	73	10	35 HA 8 x 2.91	94 44
3	5 HA 20 x 4.80	126	11	105 HA 8 x 1.09	94
4	4 HA 20 x 3.40	197	12		
5	2 HA 8 x 5.55	10	13		
6	12 HA 6 x 0.59 e.50	44	14		
7	5 HA 8 x 5.55	10	15		
8	5 HA 16 x 1.49	57	16		



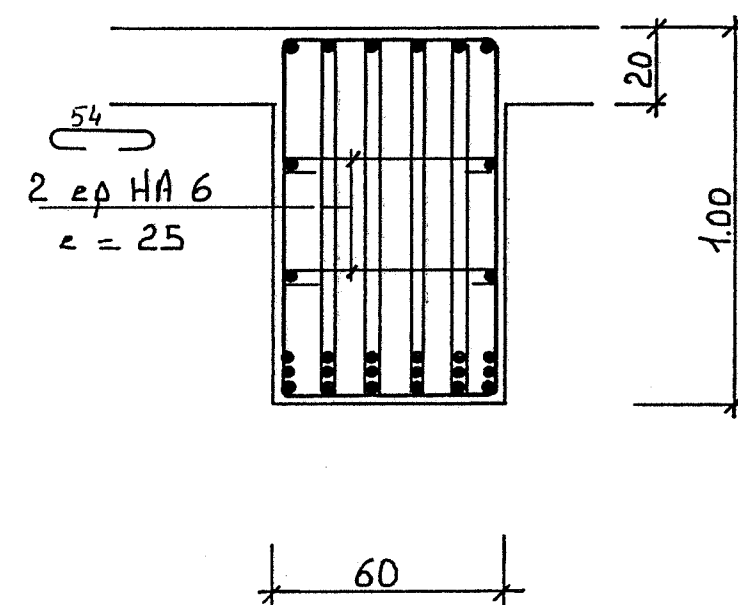
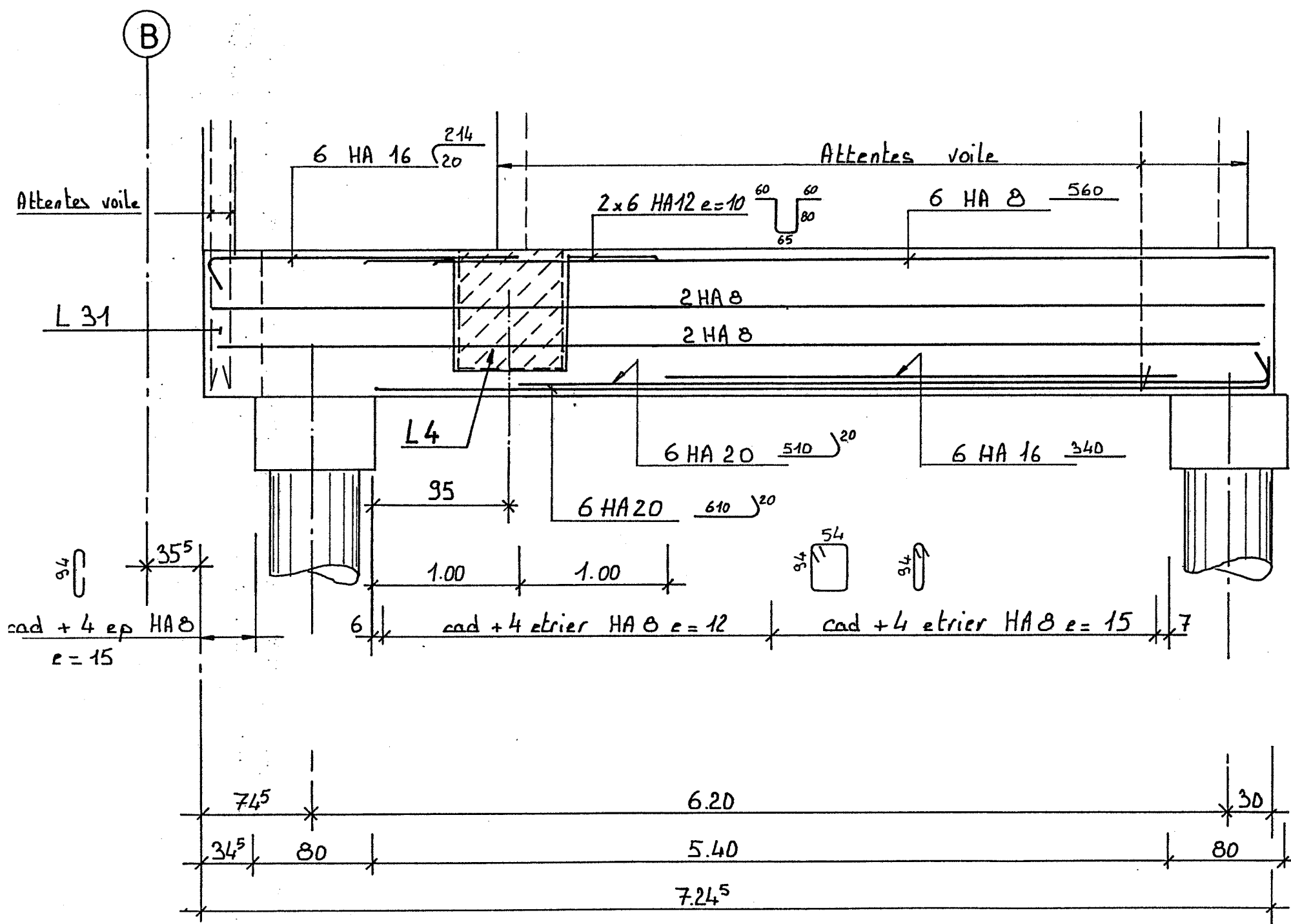
L 27



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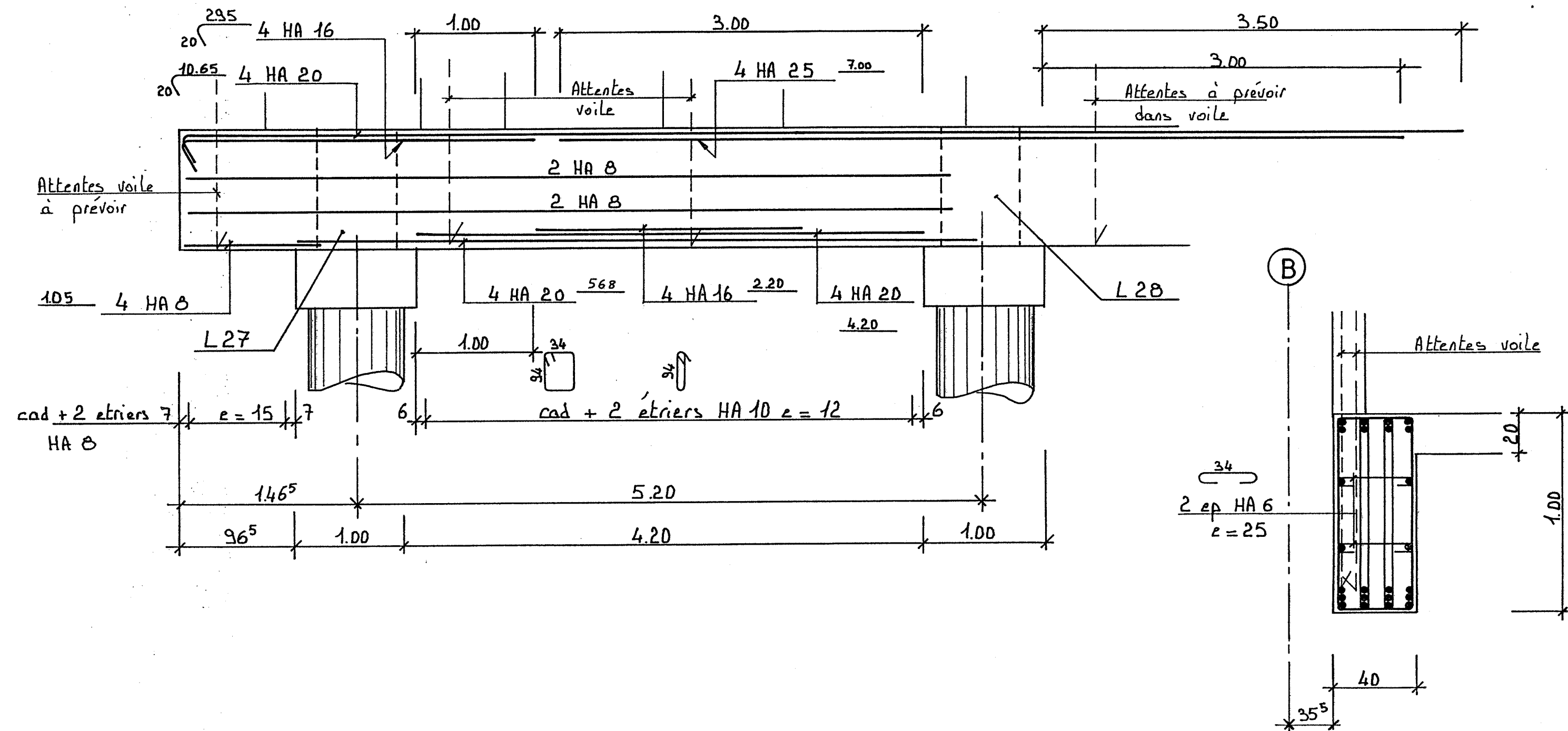


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