

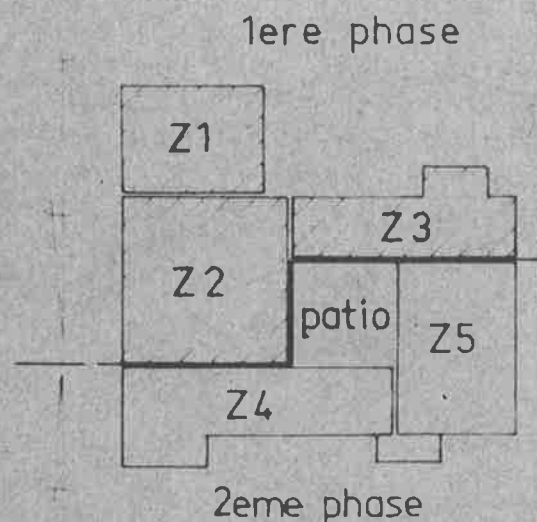
centre hospitalier de LA ROCHELLE
3eme TRANCHE AILE SUD

2^{eme} Phase Zones 4 et 5

PLANCHER 7/6

Poutres incorporées

ARMATURES



CITRA-FRANCE

13 avenue MORANE SAULNIER 78140 VELIZY-VILLACOUBLAY Telephone 946 96 95

CENTRE DE LA ROCHELLE

Tor	T en pour $\phi < 20$	4120	Diametres minimaux des mandrins de cintrage		
Bars	T en pour $\phi \geq 25$	3920			
Fe E22	T en pour tous ϕ	2160	Fe E22	Etriers et cadres	5 ϕ
Bars			Tor	Ancrages	10 ϕ
Beton	350 Kg m ³ T 28	23,2		Coudes $\phi \leq 14$	14 ϕ
Bars	CPAL 325 T _b 28	5,8 270		Coudes $\phi \geq 16$	16 ϕ

ARCHITECTES
R HERVOUET YCARIS I BERAUD
31 rue reaumur LA ROCHELLE
INGENIERIE
TECO LA JARNE
Telephone 53 33 23

MODIFICATIONS

DATE

OBJET

DATE

ECHELLE

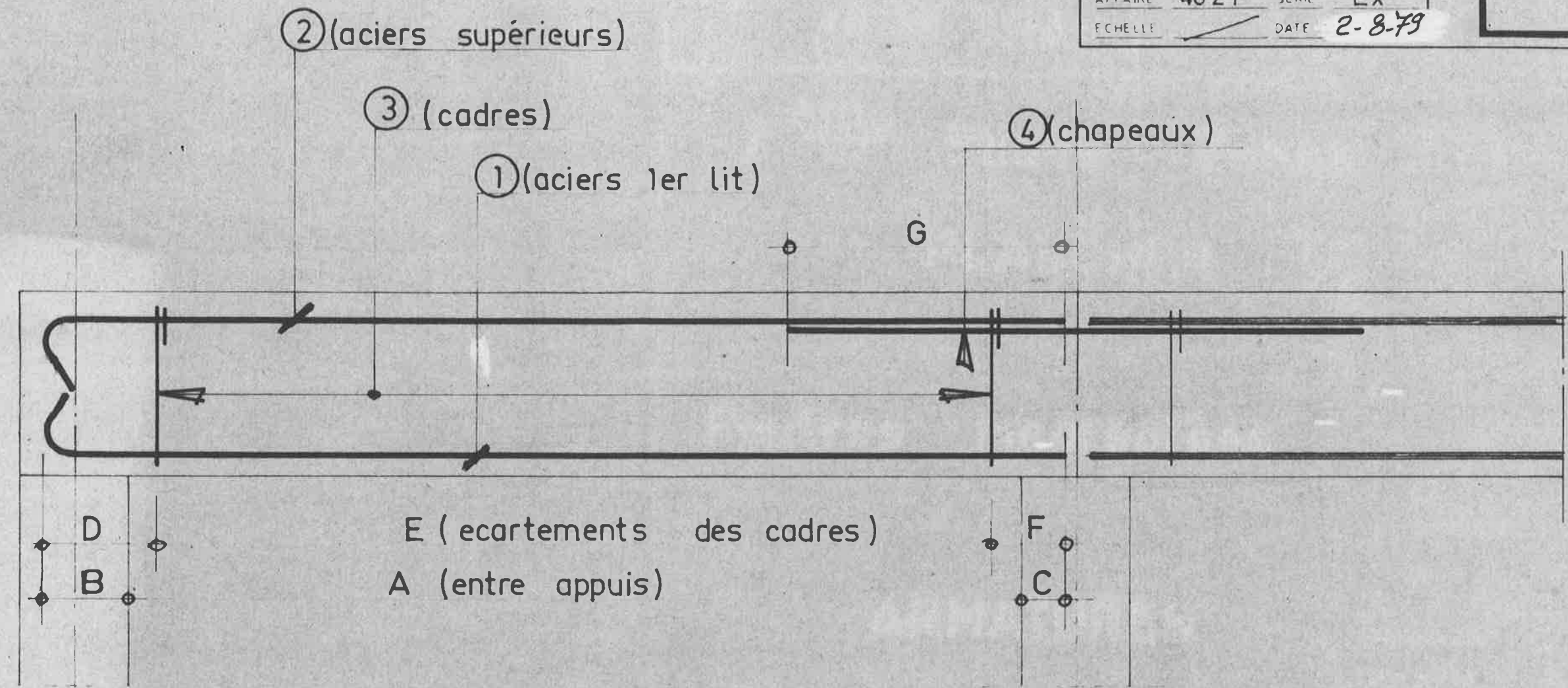
2.8.79

AFFAIRE

4021

N° PLAN

214

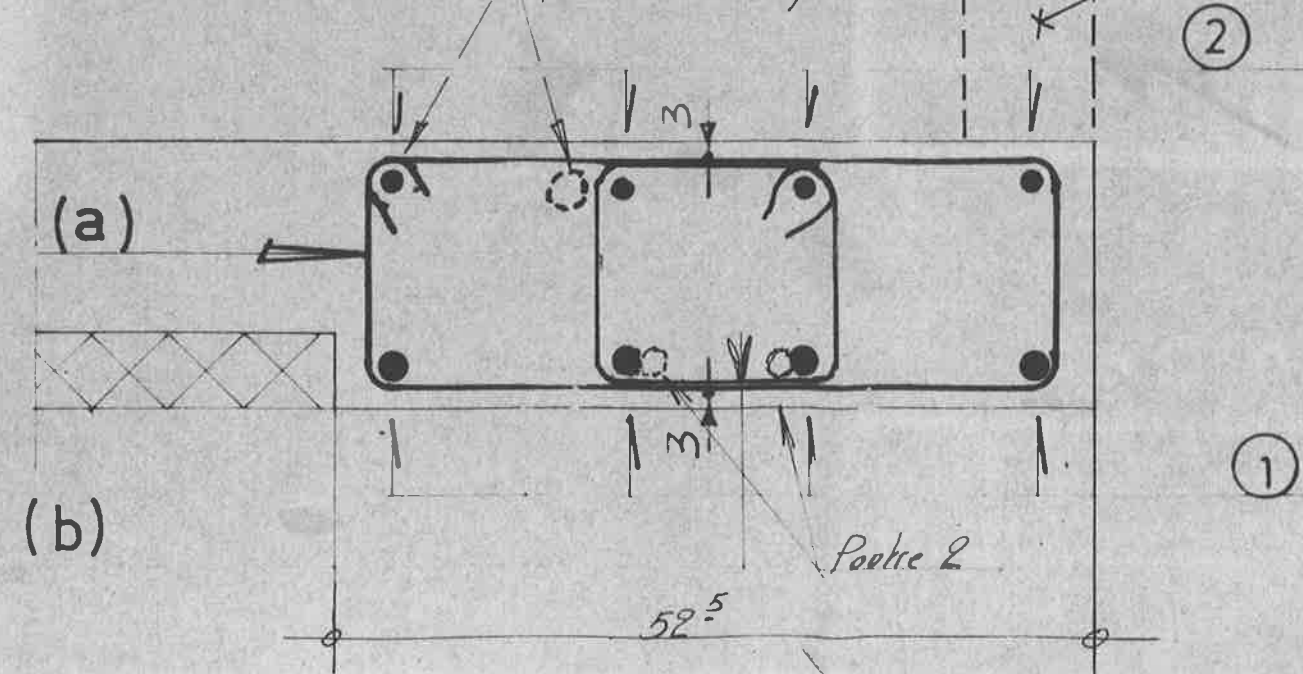


Attention: position provisoire pour pose des prédalles

Voir plan dalles Armatures

Cadres $lg = 1,40 \text{ m}$
 T6 ou T8

2 Cadres $lg = 0,75 \text{ m}$
 T6 ou T8



Poutre 2

OBJET

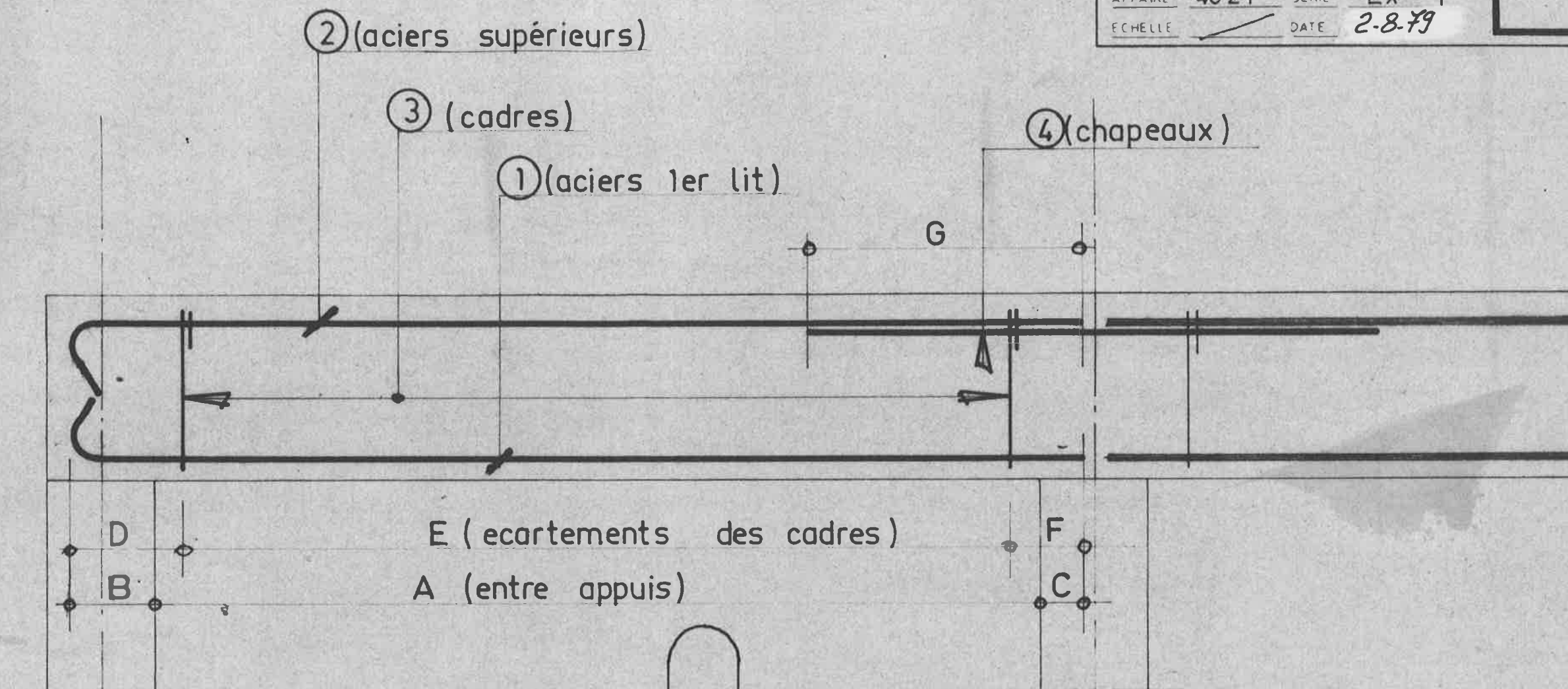
Poutres incorporées

AFFAIRE 4021 SERIE Ex

ECHELLE DATE 2-8-79

CAHIER 214
FICHE 2

[illegible]

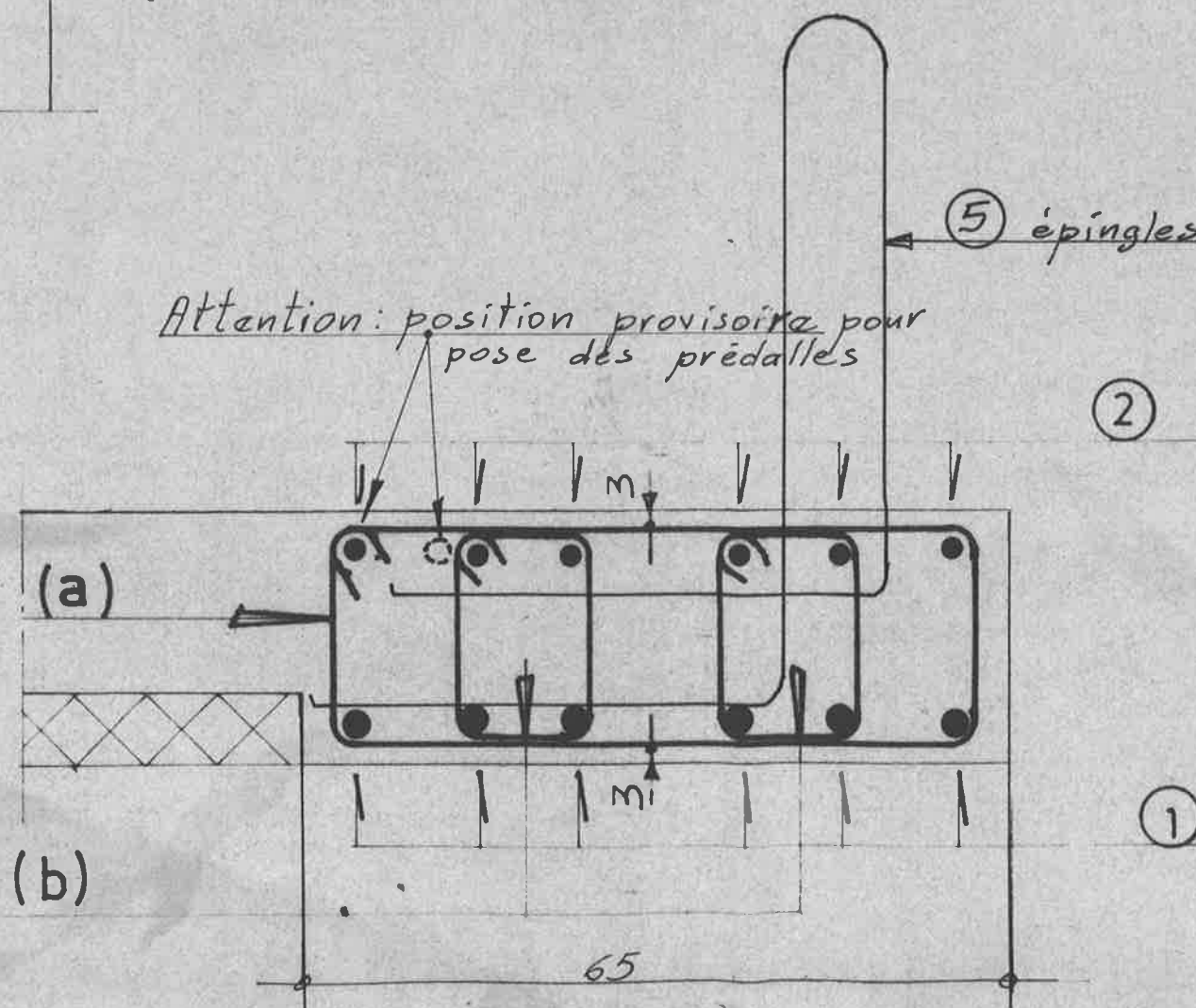


Attention: position provisoire pour pose des prédalles

⑤ épingles $\phi 8$ Ad_x L_g 2.15
 $e = 920$
 60
 50
 45

61
 15
 Cadres lg = 1,65 m
 T6 ou T8

12
 15
 2 Cadres lg = 0,70 m
 T6 ou T8



— POUTRES INCORPORÉES —

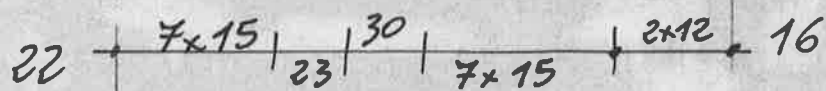
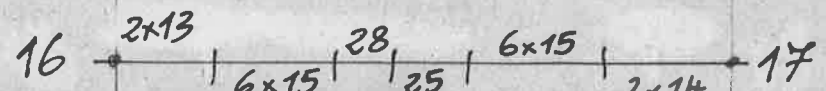
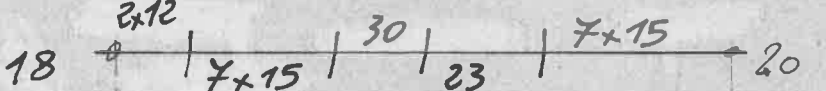
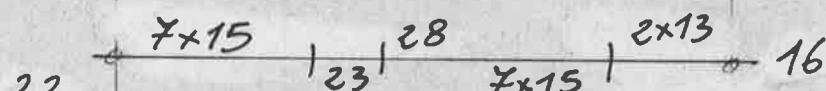
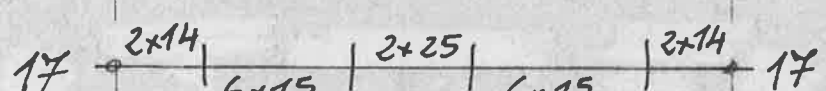
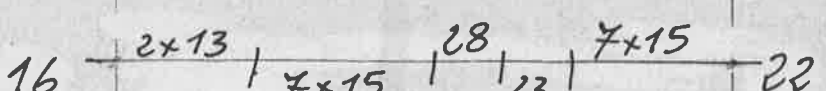
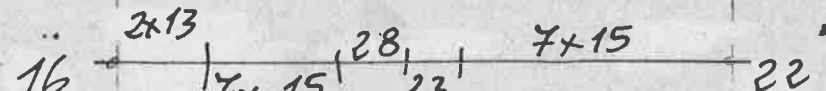
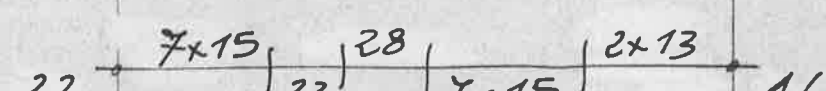
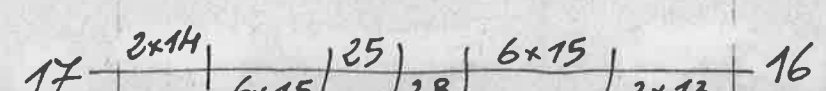
OBJET Poutres incorporées

AFFAIRE 4021 SERIE Ex

ECHELLE DATE 2-8-79

CANIER 214

4

Repere — section	Nbre	A	B	C	D	E	F	G	①	②	③	④	⑤
4 21x65	1	3.00	15	10	22		16	90	4T16x3.25 +2T12x3.25	6T8P=340	19T8(a) 38T6(b)	4T14L=1.85 +2T12L=1.85	17 φ8
5.6.7. 21x65	3x1	3.00	10	10	16		17	60	4T14x3.20 +2T10x3.20	6T8P=300	19T8(a) 38T6(b)	4T12P=150 +2T10P=150 (Poutre 7 P=180)	17 φ8
8 21x65	1	3.00	12	13	18		20	/	4T16x3.25 +2T12x3.25	6T8P=340 320 → 10	19T8(a) 38T6(b)	/	17 φ8
24 32 59 45 21x65	4x1	3.00	15	10	22		16	90	4T16x3.25 +2T14x3.25	6T8P=330	19T6(a) 38T8(b)	6T14x1.85	17 φ8
25 à 30, 33, 34 35 et 60 à 64 21x65	14x1	3.00	10	10	17		17	60	6T14x3.20	6T8P=300	19T6(a) 38T8(b)	6T12x1.50 (Poutres 30, 35 et 64 P=180)	17 φ8
31. 65 21x65	2x1	3.00	10	15	16		22	/	4T16x3.25 +2T14x3.25	6T8P=330	19T6(a) 38T8(b)	/	17 φ8
36 21x65	1	3.00	10	15	16		22	/	4T16x3.25 +2T14x3.25	6T8P=340 320 → 10	19T6(a) 38T8(b)	/	17 φ8
37. 21x65	1	3.00	15	10	22		16	102	4T16x3.25 +2T14x3.25	6T8P=340 102 ← 320	19T6(a) 38T8(b)	4T14x1.85 +2T12x1.85	17 φ8
38. 39. (21x65)	2x1	3.00	10	10	17		16	65	4T14x3.20 +2T10x3.20	6T8P=300	19T8(a) 38T6b	4T14+2T12 P=150 Poutre 38 P=180 " 39	17 φ8

OBJET

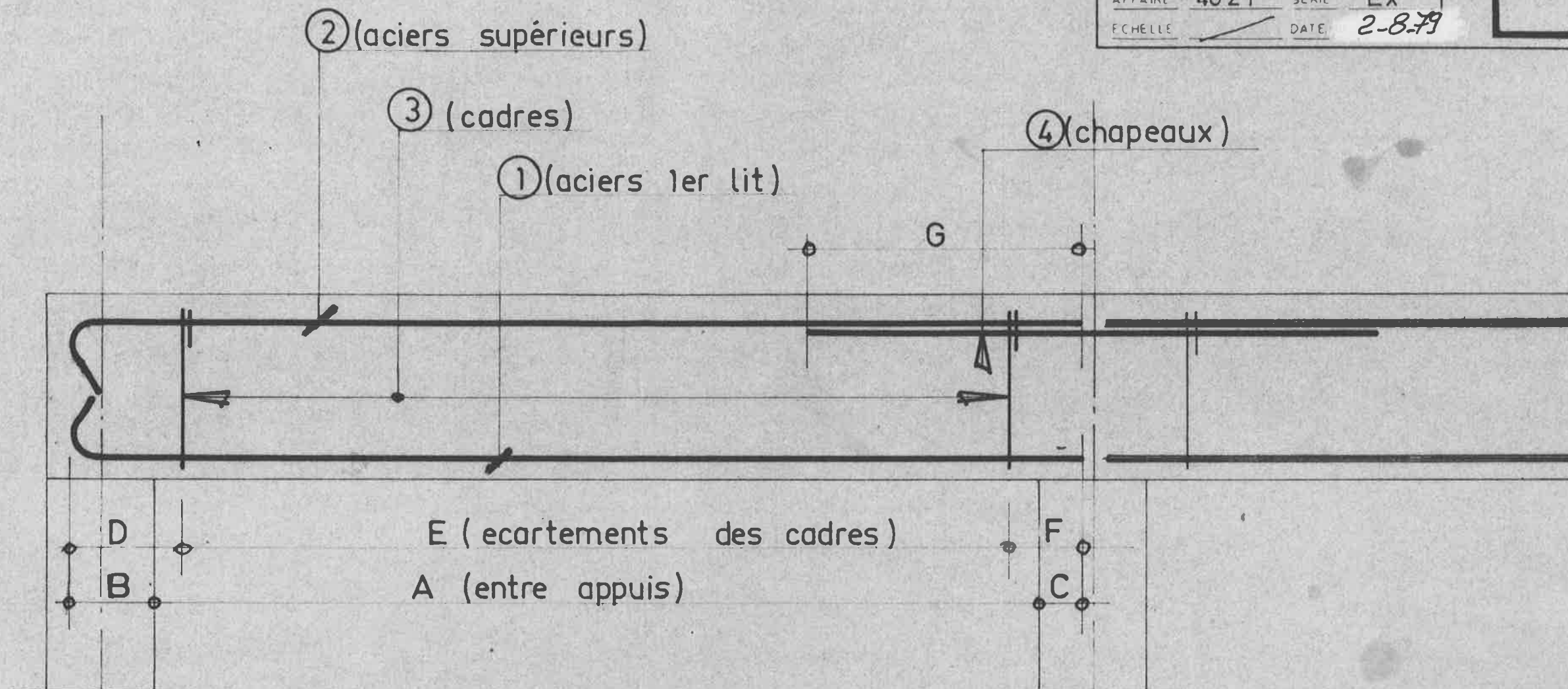
Poutres incorporées

AFFAIRE 4021 SERIE Ex

ECHELLE DATE 2-8-79

CAHIER *214*
FICHE
5

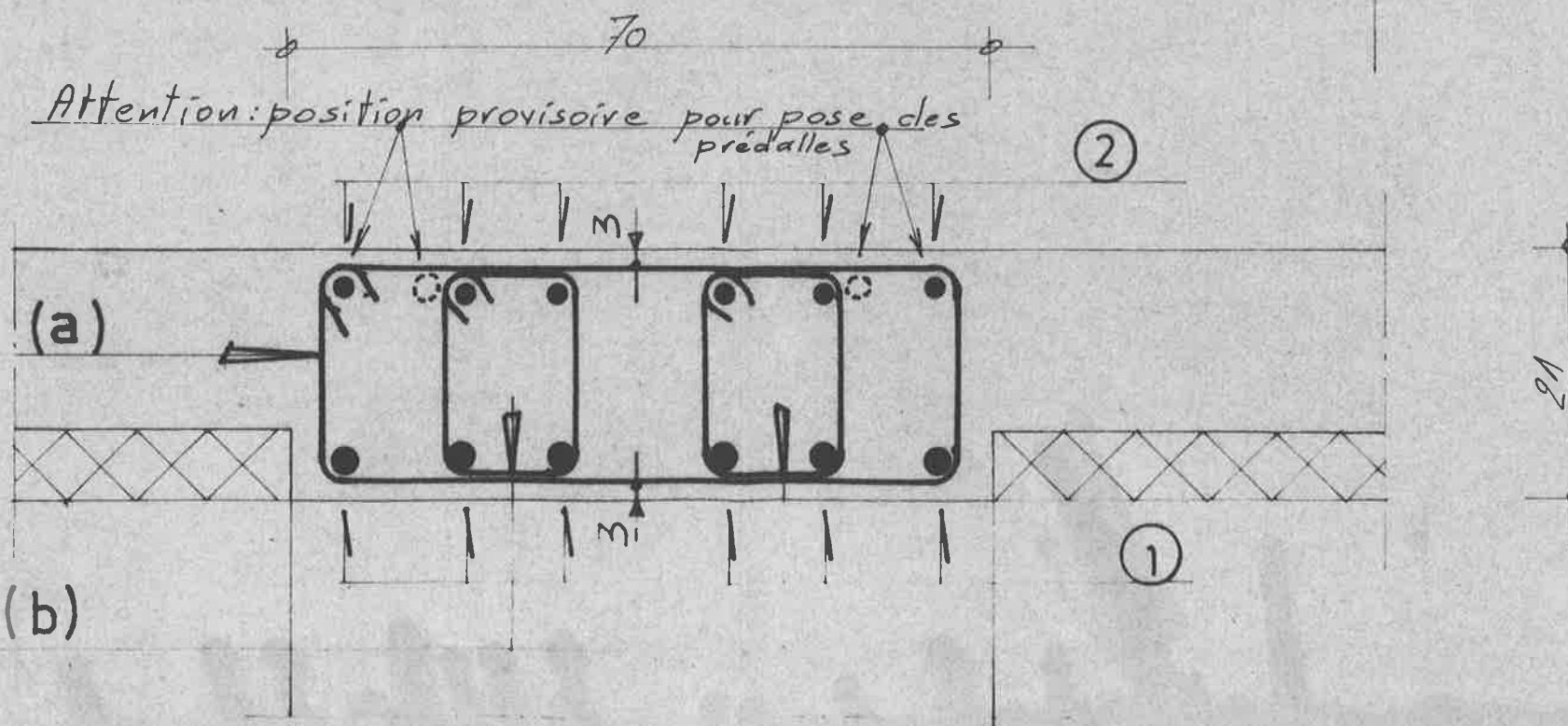
[illegible]



Attention: position provisoire pour pose des prédalles

56 15
 Cadres $lg = 1,75\text{ m}$
 T6 ou T8

13 15
 2 Cadres $lg = 0,70\text{ m}$
 T6 ou T8



POUTRES INCORPORÉES

OBJET Poutres incorporées
 AFFAIRE 4021 SERIE Ex
 ÉCHELLE 1/10 DATE 2-8-79

CAHIER 214
 FICHE 7

Repere — section	Nbre	A	B	C	D	E	F	G	①	②	③	④
9 21x70	1	283	13	20	20 ⁵		27 ⁵	/	3T16P=342 +3T12P=335 15 at 10 2.06 et 3.09	6T8P=331 371 10	17T6(a) 34T6(b)	/
11.12.14.15 16 17 21x70	6x1	300	10	10	16		16	70	2T16P=320 +4T14P=320	6T8P=320	20T6(a) 40T6(b)	3T14P=150 +3T12P=150 (Poutre 17 P=180)
10 21x70	1	270	20	10	26		15	90	3T12P=300 +3T10P=300	6T8P=300	16T6(a) 32T6(b)	3T14P=170 +3T12P=170
13 21x70	1	300	10	10	16		16	70	4T12P=320 +2T10P=320	6T8P=320	18T6(a) 36T6(b)	3T14P=150 +3T12P=150
18 21x70	1	300	10	20	14		26	/	4T16P=330 +2T14P=330	6T8P=330	21T6(a) 42T6(b)	/
19 21x70	1	300	20	10	24		14	100	6T16P=330	6T8P=330	21T6(a) 42T6(b)	3T14P=180 +3T12P=180
20. 21. 21x70	2x1	300	10	10	14		14	70	2T16P=320 +4T14P=320	6T8P=320	24T6(a) 48T6(b)	3T14P=150 +3T12P=150
22. 21x70	1	300	10	10	15		15	70	3T12P=320 +3T10P=320	6T8P=320	17T6(a) 34T6(b)	4T12P=180 +2T10P=180
23. 21x70	1	300	13	12	20		21	/	2T14P=350 +4T16P=344 15 at 10 3.77 et 3.77	6T8P=340 320 10	18T6(a) 36T6(b)	/

POUTRES INCORPORÉES

OBJET

Poutres incorporées

CAHIER 214

FICHE

8

AFFAIRE 4021

SERIE Ex 1

ECHELLE

DATE 2.8.79

Repere — section	Nbre	A	B	C	D	E	F	G	①	②	③	④
41 21x70.	1	300	12	13	15		16	103	4T16P=351 +2T14P=350 15 315 317	6T8P=340 10 320	21T6(a) 42T8(b)	4T14P=180 +2T12P=180
42 21x70	1	300	10	10	14		14	70	2T14P=320 +4T12P=320	6T8P=320	18T6(a) 36T6(b)	4T12P=150 +2T10P=150
43 21x70	1	300	10	10	16		16	70	4T12P=320 +2T10x3.20	6T8P=320	18T6(a) 36T6(b)	4T12P=180 +2T10P=180
44 21x70	1	300	10	20	16		28	/	4T14P=330 +2T12P=330	6T8P=330	17T6(a) 34T6(b)	/
48 21x70	1	300	12	13	19		18	103	4T14P=350 +2T12P=351 15 315 317	6T8P=340 10 320	18T6(a) 36T6(b)	4T12P=180 +2T10P=180
49.50.54. 55.56.57. 21x70	6x1	300	10	10	14		14	70	2T14P=320 +4T10P=320	6T8P=320	18T6(a) 36T6(b)	4T12P=150 +2T10P=150 (Poutres 50 et 57 P=180)
51.58. 21x70	2x1	300	10	20	15		27	/	4T14P=330 +2T12P=330	6T8P=330	18T6(a) 36T6(b)	/
52. 21x70	1	290	20	10	22		12	100	4T14P=320 +2T12P=320	6T8P=320	17T6(a) 34T6(b)	2T12P=180 +4T10P=180
53 21x70	1	300	10	10	15		15	70	2T14P=320 +4T10P=320	6T8P=320	17T6(a) 34T6(b)	4T12P=150 +2T10P=150