

centre hospitalier de LA ROCHELLE
3eme TRANCHE AILE SUD

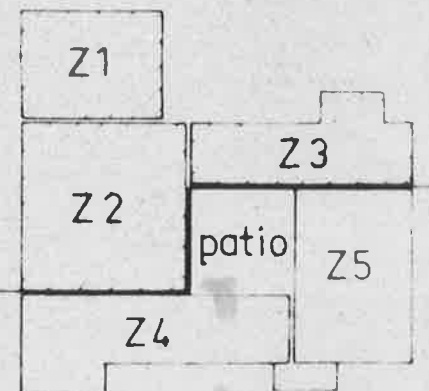
1^{ere} PHASE - ZONE 1.2 et 3

PLANCHER DU NIVEAU 7/6
TERRASSE

POUTRES INCORPOREES

ARMATURES

1ere phase



2eme phase

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 $\phi > 25$	3920			
Fe E 22	T en pour tous ϕ	2160	Fe E 22	Etriers et cadres	5 ϕ
Bars			Tor	Ancrages	10 ϕ
Beton	350 Kg m ³ T 28	23,2		Coudes $\phi < 14$	14 ϕ
Bars	CPAL 325 T _p 28	5,8		Coudes $\phi > 16$	16 ϕ
		270			

ARCHITECTES
R. HERVOUET YCARIS : BERAUD
31 rue Beaumais LA ROCHELLE
INGENIERIE
TECO LA JARNE
Telephone 33 23

MODIFICATIONS

DATE

OBJET

DATE

ECHELLE

19.12.78

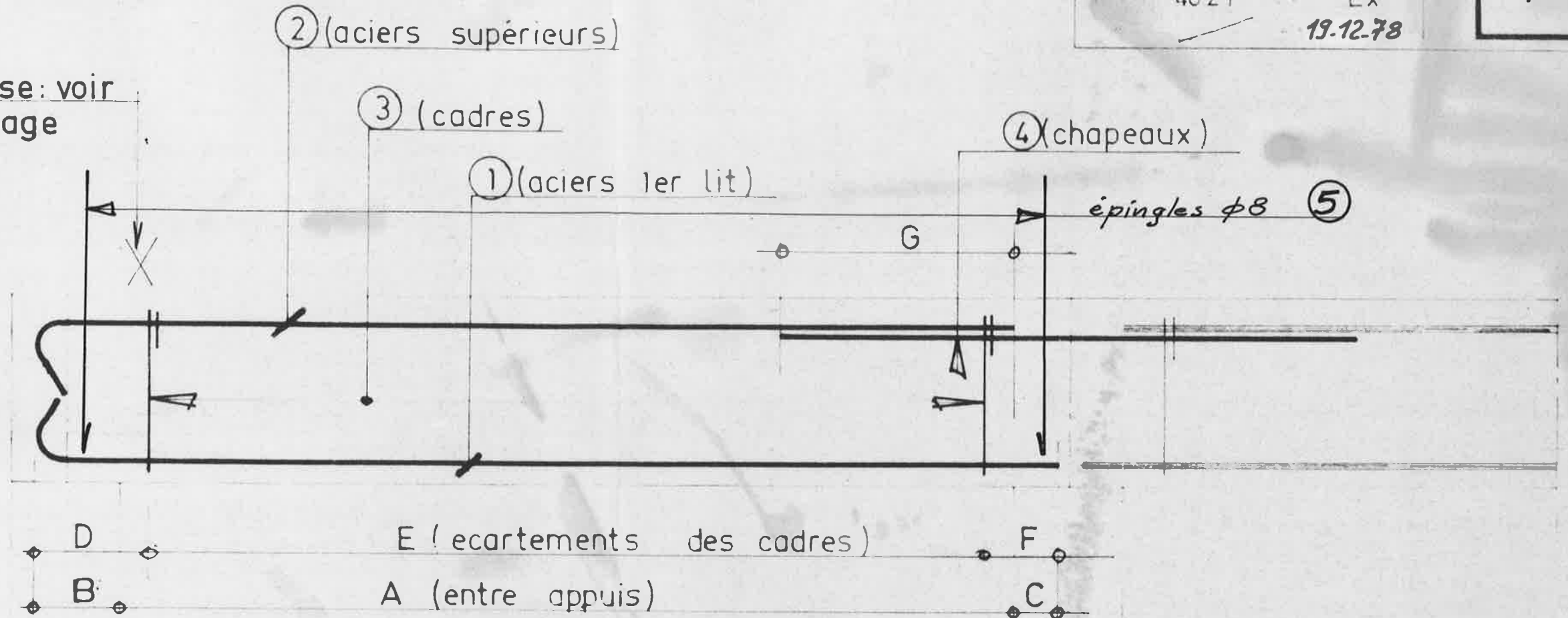
AFFAIRE

4021

N° PLAN

68

Repère de pose: voir
plan de coffrage



Attention: position prévisoire
pour pose des prédalles

Cadres $lg = 1,65 \text{ m}$

③

(a)

2 Cadres $lg = 0,70 \text{ m}$

③

(b)

65

g

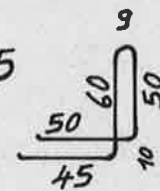
10

②

21

①

⑤ épingles $\phi 8^{dx}$ $lg = 2,15$
 $e = 0,20$



— POUTRES INCORPORÉES — (Voir Coupe type fiche 1)

REF Poutres incorporées	CAHIER 68
APPAREIL 4021	SERIE Ex
DATE 19.12.78	2

Repere — section	Nbre	A	B	C	D	E	F	G	①	②	③	④	⑤
1 21x65	1	300	15	10	22		16	90	4T16x325 + 2T12x325	6T8x335 320 15	19T8(a) 38T6(b)	4T14x185 2T12x185	17 φ8
2 21x65	1	300	10	10	16		17	60	4T14x320 2T10x320	6T8x300	19T8(a) 38T6(b)	4T12x150 2T10x150	17 φ8
3 21x65	1	300	10	10	17		16	65	4T14x320 + 2T10x320	6T8x300	19T8(a) 38T6(b)	4T14x185 2T12x185	17 φ8
4 21x65	1	300	10	15	16		22	/	4T16x325 + 2T12x325	6T8x335 320 15	19T8(a) 38T6(b)	/	17 φ8
13 21x65	1	300	15	10	22		15	90	4T14x325 2T12x325	6T8x335 320 15	20T6(a) 40T6(b)	4T12x205 2T14x205	17 φ8
14 21x65	1	300	10	10	15		16	60	6T12x320	6T8x300	20T6(a) 40T6(b)	4T10x150 2T8x150	17 φ8
15 21x65	1	300	10	10	17		17	60	4T14x320 + 2T12x320	6T8x300	19T6(a) 38T8(b)	6T12x155	17 φ8
16 21x65	1	300	10	10	17		17	85	6T12x320	6T8x300	19T6(a) 38T8(b)	6T14x230	17 φ8
17 21x65	1	377	10	13	16		20	/	6T16x400	6T8x415 400 15	24T6(a) 48T8(b)	/	21 φ8

POUTRES INCORPORÉES — (Voir Coupe type fiche 1)

Autres incorporées

4021

Ex

19.12.78

68

3

Repère section	Nbre	A	B	C	D	E	F	G	(1)	(2)	(3)	(4)	(5)
18 et 40 21x65	2x1	300	15	10	22	7x15 23 30 7x15 2x12	16	90	4T16x325 + 2T12x325	6T8x335 320 15	19T8(a) 38T6(b)	4T14x185 2T12x1.85	17 φ8
19 et 41 21x65	2x1	300	10	10	16	2x13 6x15 28 25 6x15 2x14	17	60	4T14x320 + 2T10x320	6T8x300	19T8(a) 38T6(b)	4T12x150 2T10x1.50	17 φ8
20.21.22.23. 21x65	4x1	300	10	10	17	2x14 6x15 2x25 6x15 2x14	17	60	4T14x320 2T12x3.20	6T8x300	19T8(a) 38T6(b)	4T12x150 2T10x1.50	17 φ8
24 et 42 21x65	2x1	300	10	10	17	2x14 6x15 25 28 6x15 2x13	16	65	4T14x320 + 2T10x320	6T8x300	19T8(a) 38T6(b)	4T14x185 2T12x1.85	17 φ8
25 21x65	1	300	10	15	16	2x12 7x15 30 23 7x15	22	/	4T16x325 + 2T12x325	6T8x335 320 15	19T8(a) 38T6(b)	/	17 φ8
76 21x65	1	300	10	15	16	2x13 7x15 28 23 7x15	22	/	4T16x325 + 2T14x325	6T8x335 320 15	19T6(a) 38T8(b)	/	17 φ8
45 21x65	1	300	10	10	17	2x14 6x15 2x25 6x15 2x14	17	60	6T14x3.20	6T8x3.00	19T6(a) 38T8(b)	6T12x1.50	17 φ8
43 21x65	1	300	12	13	18	2x12 7x15 30 23 7x15	20	/	4T16x325 + 2T12x325	6T8x335 320 15	19T8(a) 38T6(b)	/	17 φ8

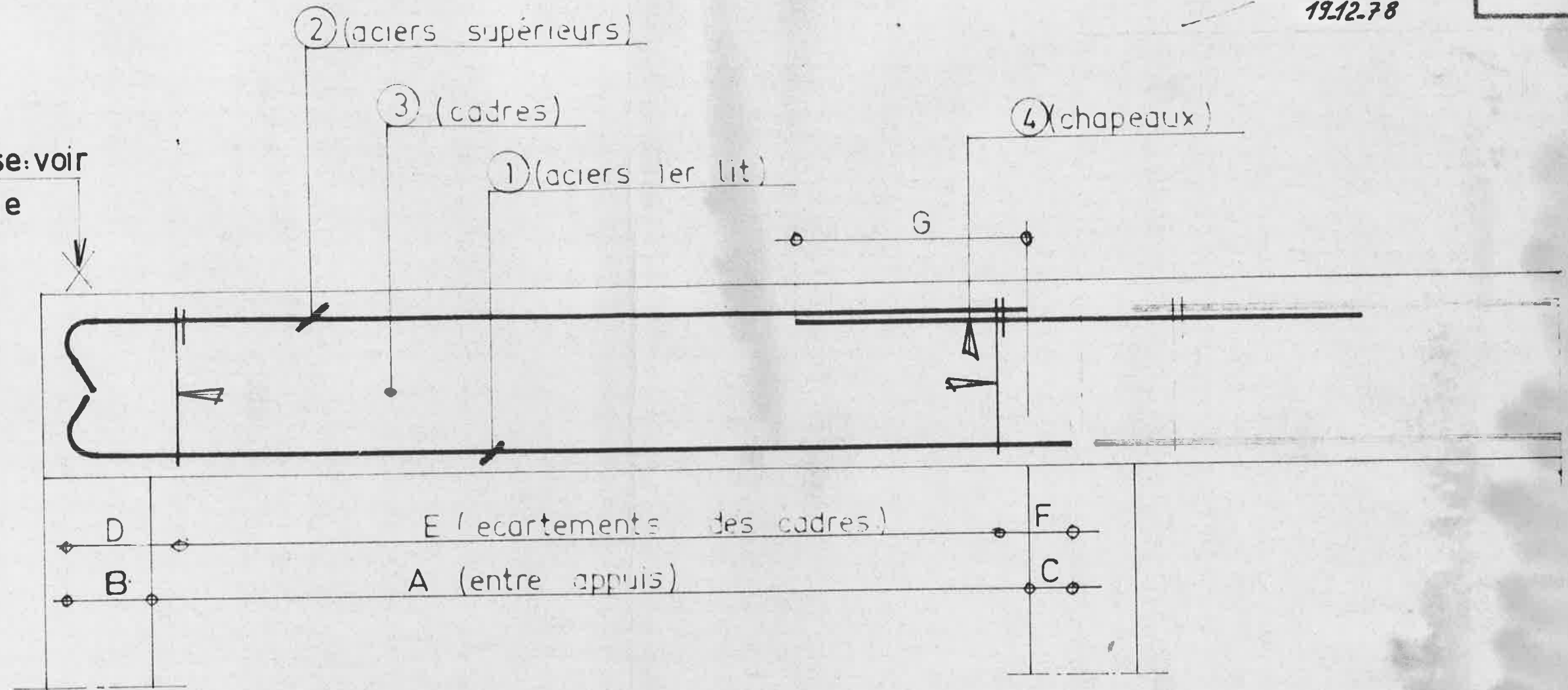
— POUTRES INCORPORÉES — (Voir Coupe type fiche 1)

OBJET Poutres incorporées
 AFFAIRE 4021 SERIE Ex
 DATE 19.12.78

CAHIER 68
 FICHE 4

Repere — section	Nbre	A	B	C	D	E	F	G	①	②	③	④	⑤
44 21x65	1	300	15	10	22		16	90	4T16x325 + 2T14x325	6T8x335 15 320	19T6 (a) 38T8 (b)	6T14x1.85	17 φ8
46 à 50 21x65	5x1	300	10	10	17		17	60	4T12x320 + 2T14x320	6T8x300	19T8(a) 38T6(b)	4T12x150 2T10x1.50	17 φ8
51 21x65	1	300	10	10	17		17	80	4T14x320 2T12x3.20	6T8x300	19T8(a) 38T6(b)	6T14x2.10	17 φ8
52 21x66	1	290	15	25	19.5		29.5	90	4T16x330 2T10x3.30	6T8x290	26T6(a) 52T6(b)	4T12x1.80 2T8x1.80	17 φ8
62 21x65	1	300	15	10	22		17	90	6T12x325	6T8x335 15 320	19T6 (a) 38T8 (b)	6T12x205	17 φ8
63 à 66 21x65	4x1	300	10	10	17		17	60	6T12x320	6T8x300	19T6 (a) 38T8 (b)	6T12x150	17 φ8
67 21x65	1	300	10	10	17		17	95	6T12x320	6T8x300	19T6 (a) 38T8 (b)	6T12x190	17 φ8
74 21x65	1	300	15	10	22		16	90	4T16x325 + 2T10x325	6T8x335 15 320	19T8(a) 38T6 (b)	4T12x185 + 2T14x185	17 φ8
75 21x65	1	300	10	10	17		17	65	4T12x320 + 2T14x320	6T8x300	19T8(a) 38T6 (b)	6T14x185	17 φ8

Repère de pose: voir
plan de coffrage

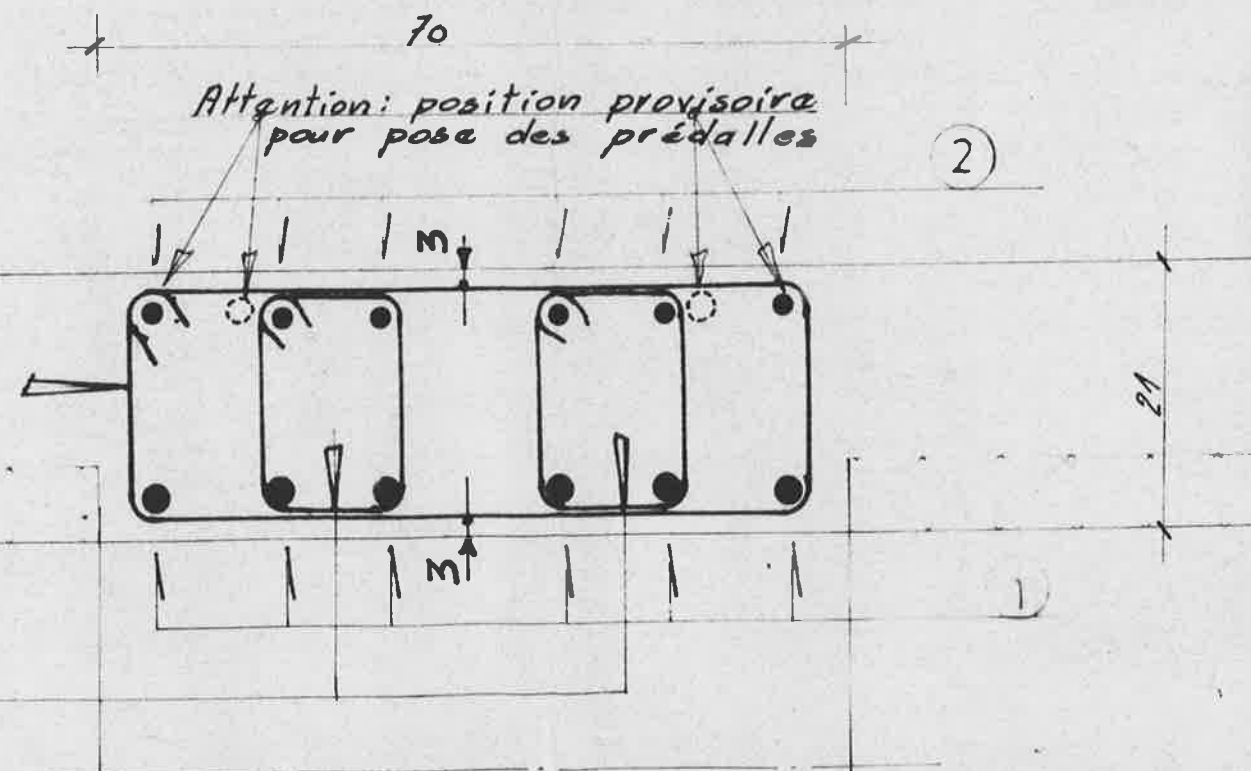


Cadres $l_g = 1,75 \text{ m}$

(a)

2 Cadres $l_g = 0,70 \text{ m}$

(b)



POUTRES INCORPORÉES — (Voir Coupe type fiche 6)

Poutres incorporées
 4021
 19.12.78

68

6

Repere — section	Nbre	A	B	C	D	E	F	G	①	②	③	④
5 21x70	1	300	15	10	22		15	90	4T12x325 +2T14x325	6T8x335 15 320	20 T6 (a) 40 T6 (b)	4T12x185 2T10x185
6 21x70	1	300	10	10	16		16	65	4T12x320 +2T8x320	6T8x300	19T6 (a) 38T6 (b)	4T12x185 2T10x185
7 21x70	1	300	10	15	15		22	/	4T12x325 +2T14x325	6T8x335 320 115	20 T6 (a) 40 T6 (b)	/
8 21x70	1	300	15	10	21		14	90	4T12x325 +2T14x325	6T8x335 15 320	21T6 (a) 42 T6 (b)	4T10x205 2T14x2.05
9 21x70	1	300	10	10	15		15	65	4T12x320 +2T8x320	6T8x300	21 T6 (a) 42 T6 (b)	4T10x165 +2T8x165
10 21x70	1	300	10	10	17		17	60	4T12x320 +2T8x320	6T8x300	19T6 (a) 38 T6 (b)	6T10x155
11 21x70	1	300	10	10	17		17	95	6T10x320	6T8x300	19T6 (a) 38 T6 (b)	4T14x240 +2T10x240
12 21x70	1	377	10	13	15		20	/	4T16x400 2T14x400	6T8x415 400 115	25T6 (a) 50T6 (b)	/
26 et 34 21x70	2x1	300	15	10	22		15	90	4T14x325 2T12x3.25	6T8x335 15 320	20 T6 (a) 40 T6 (b)	6T12x1.90

Repere --- section	Nbre	A	B	C	D	E	F	G	①	②	③	④
27+35												
21x70	2x1	300	10	10	15		16	60	6T12x3.20	6T8x300	20T6(a) 40T6(b)	4T12x150 2T8x150
28,29,30,31.	4x1	300	10	10	16		16	60	6T12x3.20	6T8x300	19T6(a) 38T6(b)	4T12x150 2T8x150
32	1	300	10	10	16		15	70	6T12x3.20	6T8x300	20T6(a) 40T6(b)	6T12x1.90
33	1	300	10	15	15		22	1	4T14x3.25 2T12x3.25	6T8x335 320/15	20T6(a) 40T6(b)	/
36	1	300	10	10	16		15	70	6T12x3.20	6T8x300	20T6(a) 40T6(b)	6T12x1.90
37	1	300	10	15	15		22	1	4T14x3.25 2T12x3.25	6T8x335 320/15	20T6(a) 40T6(b)	/
53	1	306.5	14.5	10	18		15	90	4T16x3.25 2T20x3.25	6T8x335 15/320	21T8(a) 42T8(b)	6T16x1.90

— POUTRES INCORPORÉES — (Voir coupe type fiche 6)

Poutres incorporées

4021

Ex

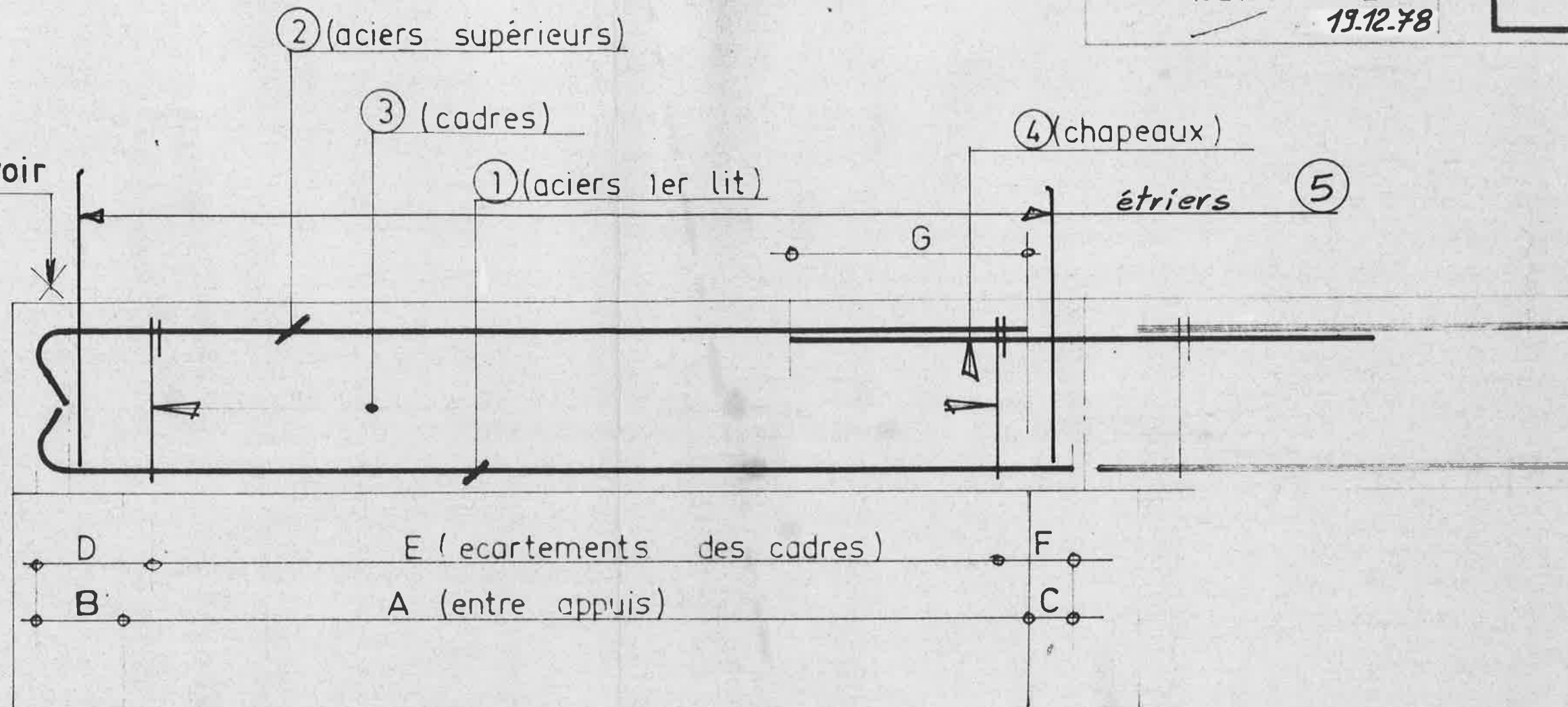
19.12.78

68

8

Repere — section —	Nbre	A	B	C	D	E	F	G	(1)	(2)	(3)	(4)
54 21x70	1	300	10	10	16		16	60	4T16x320 2T12x3.20	6T8x300	19T6 (a) 38T8 (b)	6T14x150
56, 57. 21x70	2x1	307	12	11	18		18	60	4T12x330 2T14x3.30	6T8x310	20T6 (a) 40T6 (b)	4T12x150 + 2T10x150
58, 55 21x70	2x1	300	10	10	16		16	70	4T12x320 2T14x320	6T8x300	19T6 (a) 38T6 (b)	4T12x160 2T10x160
59 21x70	1	300	10	10	15		15	60	4T14x320 2T12x3.20	6T8x300	21T6 (a) 42T6 (b)	4T12x160 + 2T10x160
60 21x70	1	300	10	10	16		16	65	4T12x320 2T10x3.20	6T8x300	19T6 (a) 38T6 (b)	4T12x185 2T10x185
61 21x70	1	290	10	20	15		27	60	4T14x320 2T10x320	6T8x310 310	19T6 (a) 38T6 (b)	6T8x130
71 21x70	1	300	20	10	26		17	90	4T12x330 2T10x3.30	6T8x335 320 15	19T6 (a) 38T6 (b)	4T12x210 2T8x210
72 21x70	1	300	10	10	17		17	90	6T10x320	6T8x300	19T6 (a) 38T6 (b)	4T16x210 + 2T10x210
73 21x70	1	300	10	15	17		19	/	6T16x3.25	6T8x335 320 115	20T6 (a) 40T8 (b)	/

Repère de pose voir
plan de coffrage



Attention: position provisoire
pour pose des prédalles

étriers T6 $L_d: 0.85$ ⑤
 $e = 0.25$

38
9

58
15

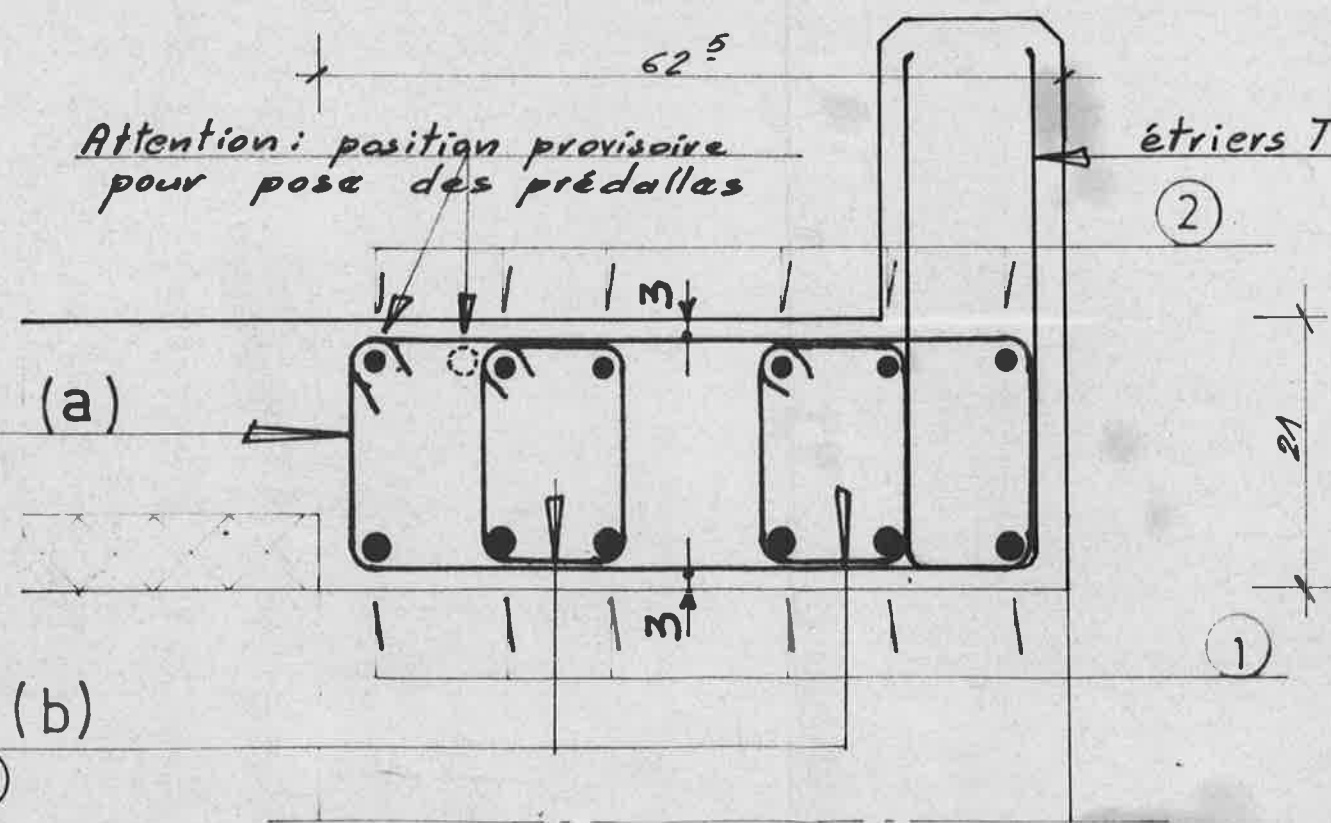
Cadres $lg = 1,60$ m ③

(a)

13
15

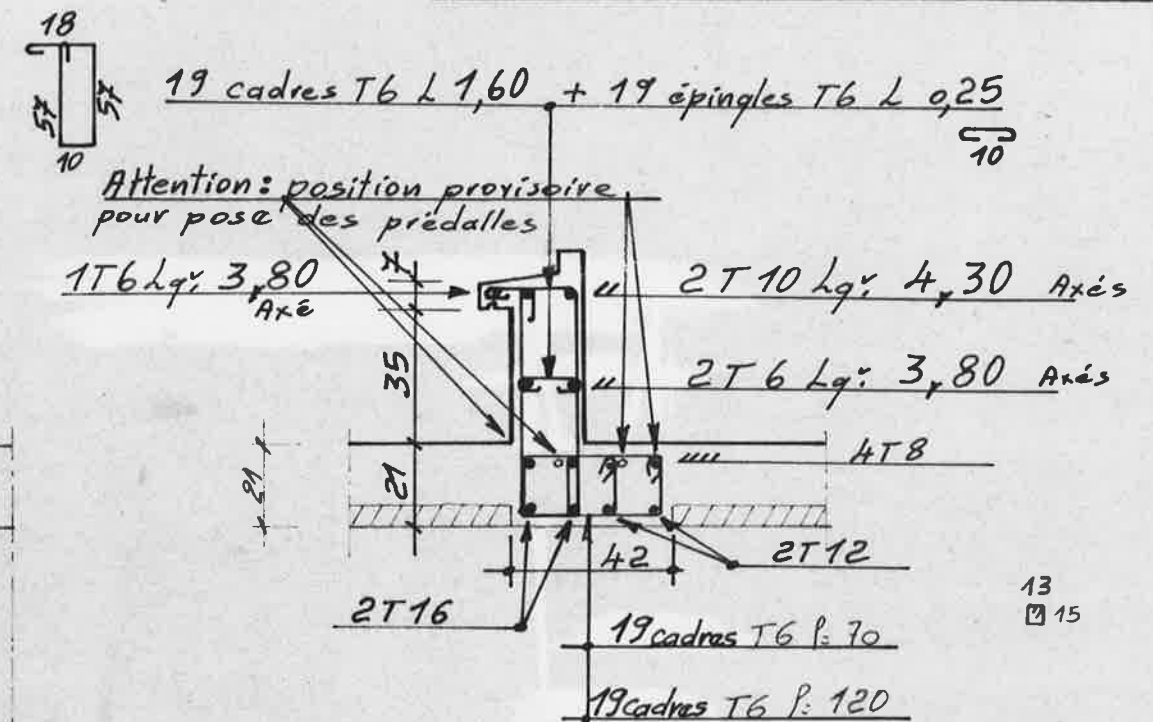
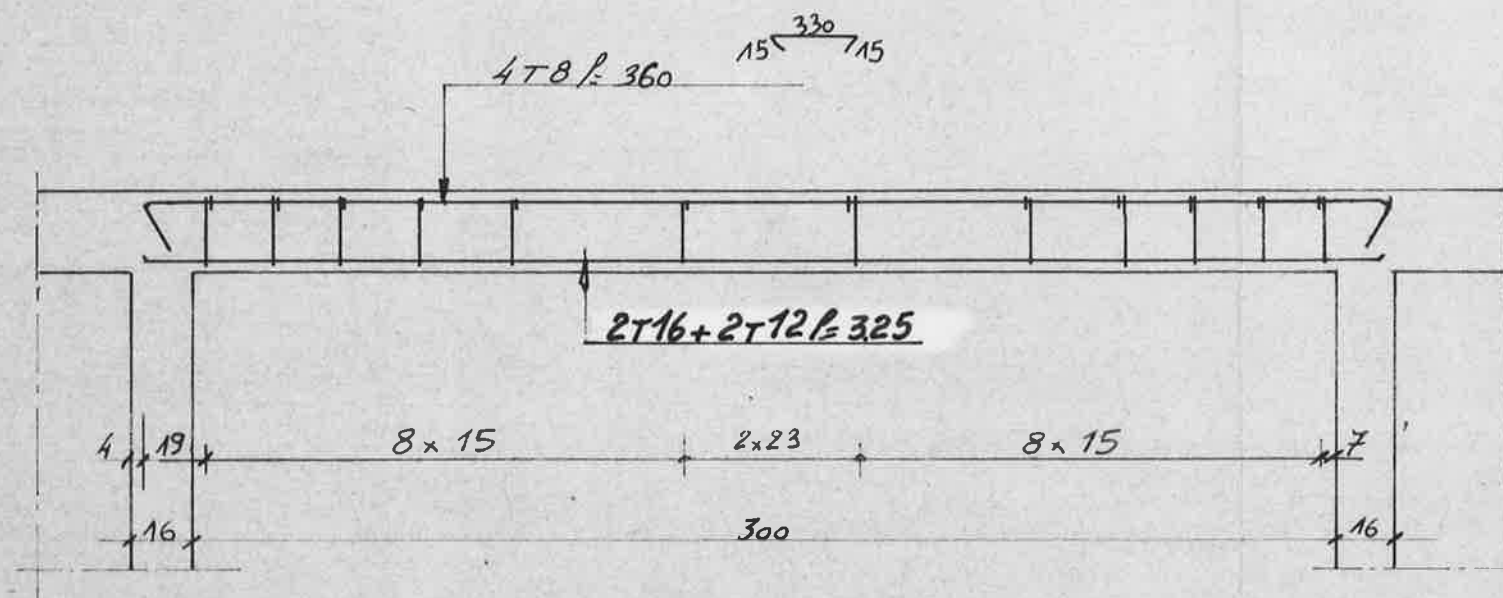
2 Cadres $lg = 0,70$ m ③

(b)



PRET		ANNEE	68
Poutres incorporées		RECEU	
AFFAIRE	4021	SERIE	Ex
ECHÉANCE		DATE	19.12.78

[illegible]

POUTRE 38.POUTRE 39.