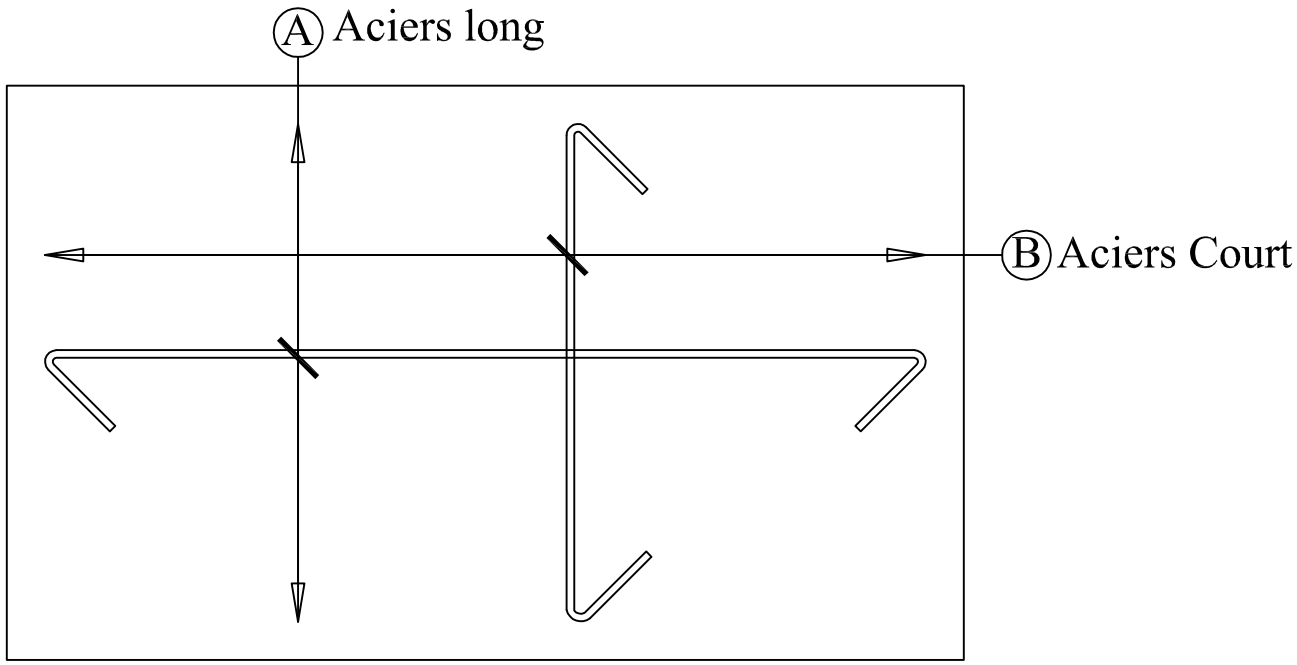
Hypothèse de calcul :

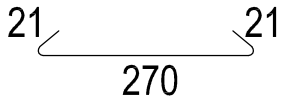
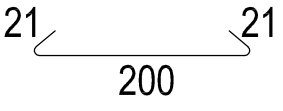
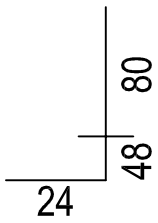
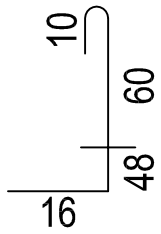
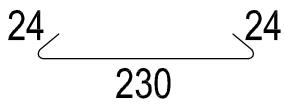
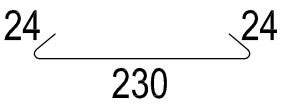
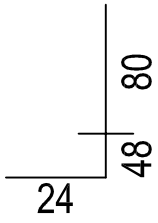
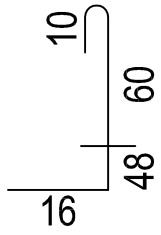
- Contrainte du sol 0.30 MPa
- Béton C25 /30 , classe XC2 enrobage 5cm pour les SF et semelle isolé jusqu'à 41.00NGF (h=< 60cm)
- Béton C35 /45 , classe XA2 enrobage 5cm :
+ Pour les SF et semelle isolé au delà 41.00NGF (h > 60cm)
+ Pour radier et voile soubassement ASC

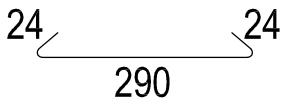
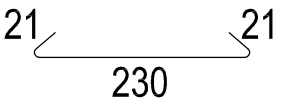
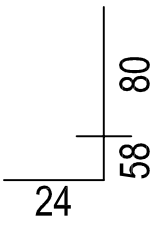
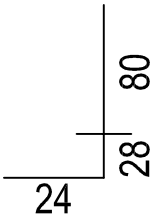
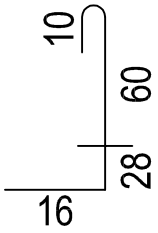
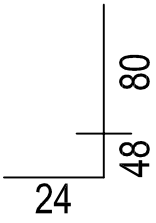
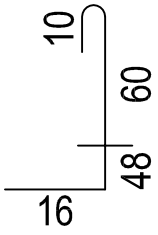
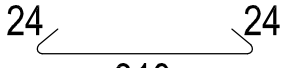
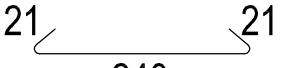
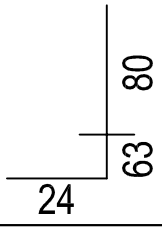
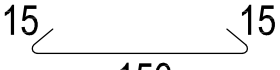
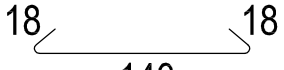
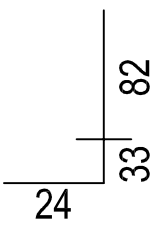
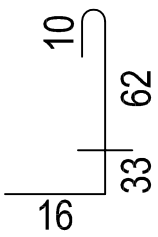
RECAP.TOTAL BARRES HA		
Diamètre	Longueur (m)	Poids (Kg)
8	1607	635
10	748	461
12	978	869
14	774	1 264
16	836	1 320
20	78	192
Poids total (Kg): 4 409		

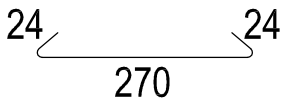
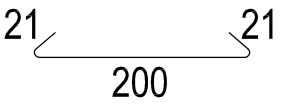
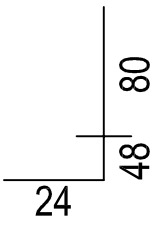
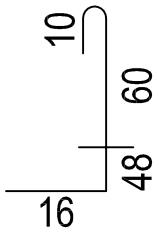
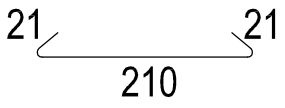
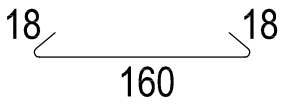
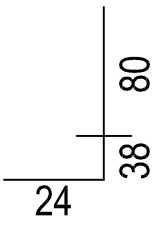
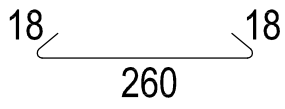
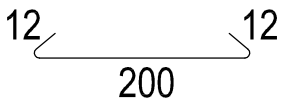
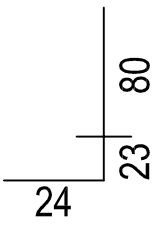
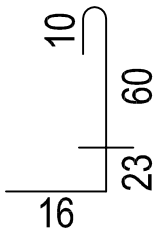
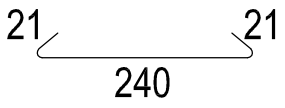
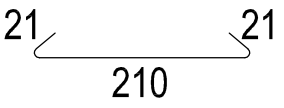
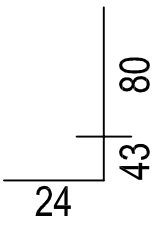
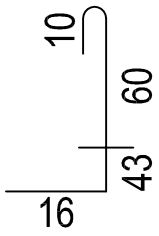
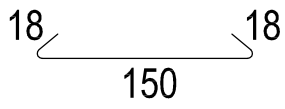
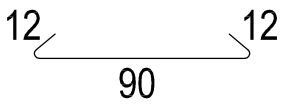
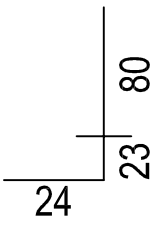
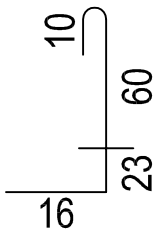
Récapitulatif des TS		
Quantité	Type de TS	Masse (kg)
19	ST 25 C	463,63
10	ST 40 C	869,45
12	ST 50 C	1365,12
Total : (kg)		2698,20

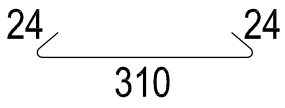
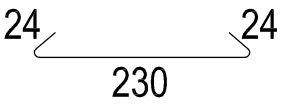
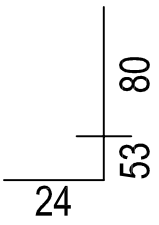
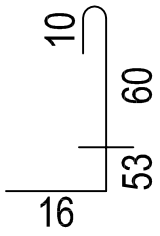
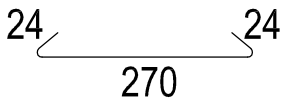
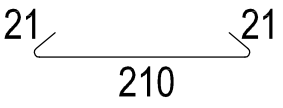
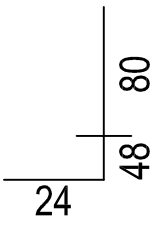
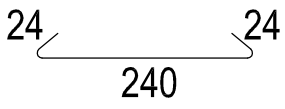
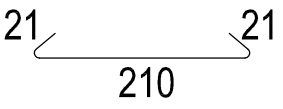
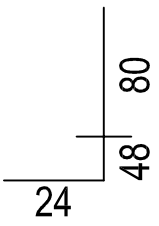
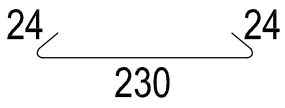
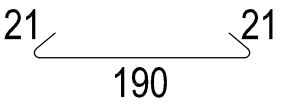
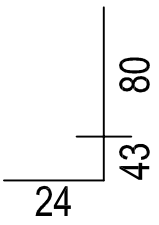
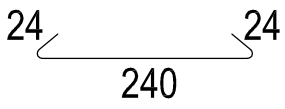
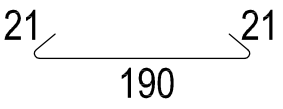
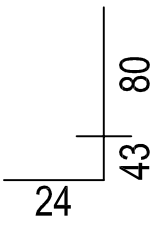
Légende aciers semelle isolée

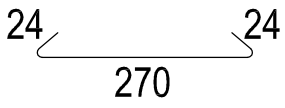
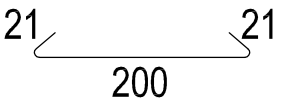
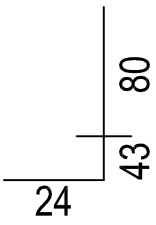
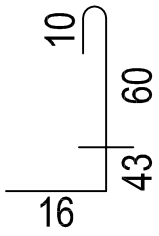
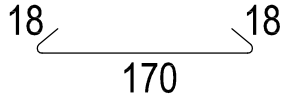
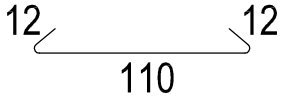
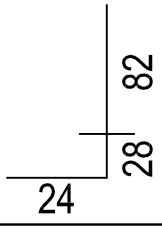
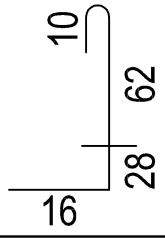
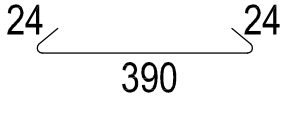
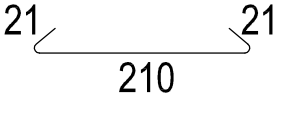
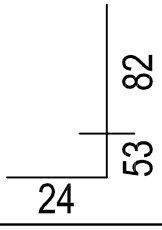
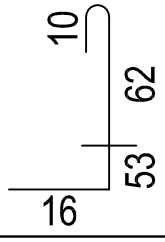
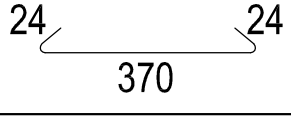
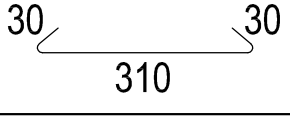
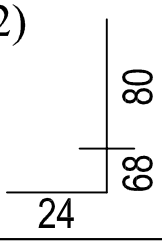
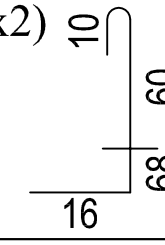
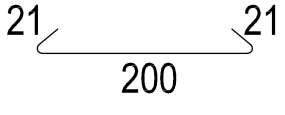
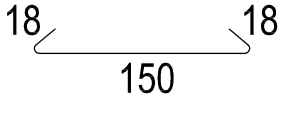
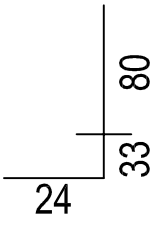


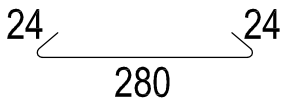
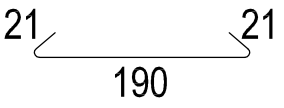
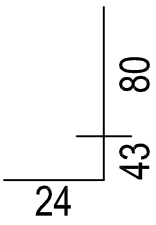
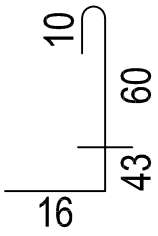
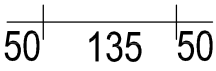
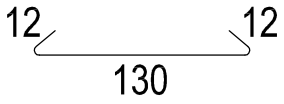
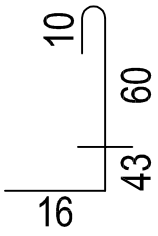
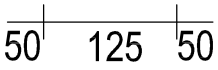
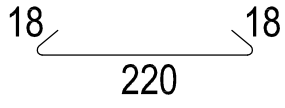
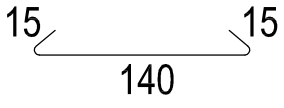
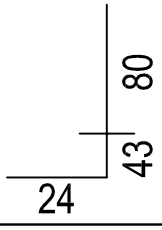
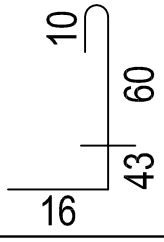
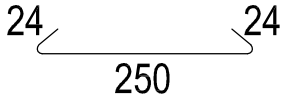
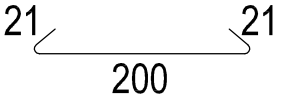
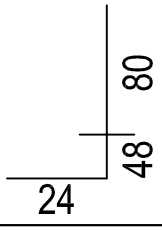
	Aciers (A)	Aciers (B)	Attentes	
			Poteaux	Voile
S.1 (210x280x55ht)	14HA14x312 (e=15) 	16HA14x242 (e=17) 	6x2HA12x152 	4x2HA8x134 
			Poteaux	Voile
S.2 (240x240x55ht)	13HA16x278 (e=19) 	13HA16x278 (e=18) 	4x2HA12x152 	8x2HA8x134 

	Aciers (A)	Aciers (B)	Attentes	
			Poteaux	Voile
S.3 (300x240x65ht) C35/45	14HA16x338 (e=17) 	18HA14x272 (e=16) 	4x2HA12x162 	---
			Poteaux	Voile
S.4 (120x180x35ht)	8HA10x200 (e=15) 	10HA10x240 (e=17) 	5x2HA12x132 	2x2HA8x114 
			Poteaux	Voile
S.5 (270x210x55ht)	12HA16x308 (e=18) 	16HA14x242 (e=16) 	5x2HA12x152 	8x2HA8x134 
			Poteaux	Voile
S.6 (320x250x70ht) C35/45	18HA16x358 (e=14) 	20HA14x282 (e=15) 	4x2HA12x167 	---
			Poteaux	Voile
S.7 (160x150x40ht)	10HA10x180 (e=15) 	8HA12x176 (e=19) 	3x2HA12x139 	8x2HA8x121 

	Aciers (A)	Aciers (B)	Attentes	
			Poteaux	Voile
S.8 (210x280x55ht)	12HA16x318 (e=18) 	17HA14x242 (e=16) 	5x2HA12x152 	5x2HA8x134 
			Poteaux	Voile
S.9 (220x170x45ht)	10HA14x252 (e=17) 	13HA12x196 (e=16) 	4x2HA12x142 	---
			Poteaux	Voile
S.10 (100x160x30ht)	5HA12x296 (e=22) 	11HA8x224 (e=13) 	4x2HA12x127 	2x2HA8x109 
			Poteaux	Voile
S.11 (220x250x50ht)	14HA14x282 (e=16) 	17HA14x252 (e=14) 	4x2HA12x147 	4x2HA8x129 
			Poteaux	Voile
S.12 (100x160x30ht)	5HA12x186 (e=22) 	12HA8x114 (e=12) 	4x2HA12x127 	2x2HA8x109 

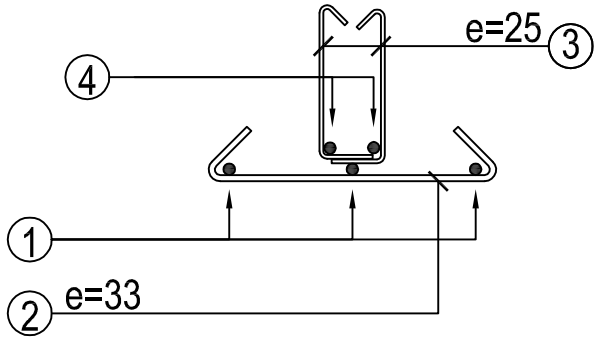
	Aciers (A)	Aciers (B)	Attentes	
			Poteaux	Voile
S.13 (320x240x60ht)	17HA16x258 (e=14) 	17HA16x278 (e=18) 	5x2HA12x157 	6x2HA8x139 
			Poteaux	Voile
S.14 (220x280x55ht)	15HA16x318 (e=15) 	18HA14x252 (e=15) 	4x2HA12x152 	---
			Poteaux	Voile
S.15 (220x250x55ht)	12HA16x288 (e=19) 	17HA14x252 (e=14) 	4x2HA12x152 	---
			Poteaux	Voile
S.16 (200x240x50ht)	11HA16x278 (e=19) 	15HA14x232 (e=15) 	4x2HA12x147 	---
			Poteaux	Voile
S.17 (200x250x50ht)	11HA16x288 (e=19) 	14HA14x232 (e=17) 	4x2HA12x147 	---

	Aciers (A)	Aciers (B)	Attentes	
			Poteaux	Voile
S.18 (210x280x50ht)	14HA16x318 (e=15) 	18HA14x242 (e=15) 	5x2HA12x147 	5x2HA8x129 
			Poteaux	Voile
S.19 (120x180x35ht)	7HA12x206 (e=18) 	14HA8x134 (e=12) 	4x2HA12x134 	3x2HA8x116 
			Poteaux	Voile
S.20 (400x220x60ht)	17HA16x438 (e=13) 	24HA14x252 (e=16) 	5x2HA12x159 	25x2HA8x141 
			Poteaux	Voile
S.21 (320x380x75ht) C35/45	26HA16x418 (e=12) 	21HA20x370 (e=17) 	5x2HA12x172 (x2) 	7x2HA8x154 (x2) 
			Poteaux	Voile
S.22 (160x210x40ht)	10HA14x242 (e=16) 	13HA12x186 (e=15) 	4x2HA12x137 	---

	Aciers (A)	Aciers (B)	Attentes	
			Poteaux	Voile
S.23 (290x200x50ht)	13HA16x328 (e=15) 	18HA14x232 (e=15) 	6x2HA12x147 	10x2HA8x129 
			Poteaux	Voile
S.24 (135x140x50ht)	7HA10x235 (e=21) 	10HA8x154 (e=12) 	---	8x2HA8x129 
			Poteaux	Voile
S.25 (150x230x50ht)	9HA12x256 (e=17) 	14HA10x170 (e=15) 	6x2HA12x147 	3x2HA8x129 
			Poteaux	Voile
S.26 (210x260x55ht)	12HA16x298 (e=18) 	15HA14x242 (e=16) 	4x2HA12x152 	---

Dessin de montage des semelle Filantes

SF.1
(50x25ht)



① 3HA10 x 5833 — 5833 (rec=50cm)

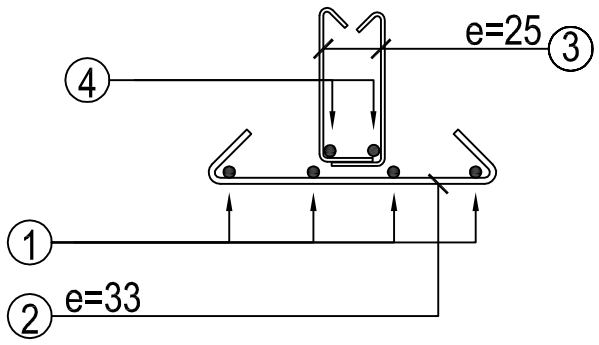
② 170 HA8 x 64 — 12 / 40 / 12

③ 2x224 HA8 x 108 — 80 / 16

④ 2HA10 x 5833 — 5833 (rec=50cm)

Linéaire sans recouvrement = 55.83ml

SF.2
(60x25ht)



① 4HA10 x 1178 — 1178

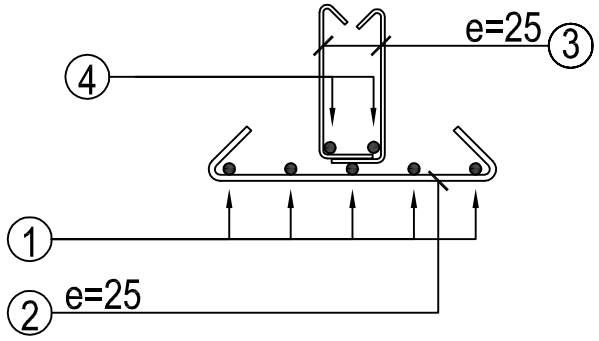
② 36 HA8 x 74 — 12 / 50 / 12

③ 2x48 HA8 x 108 — 80 / 16

④ 2HA10 x 1178 — 1178

Linéaire sans recouvrement = 11.78 ml

SF.3
(70x25ht)



① 5HA10 x 652 — 652

② 27 HA8 x 84 — 12 / 60 / 12

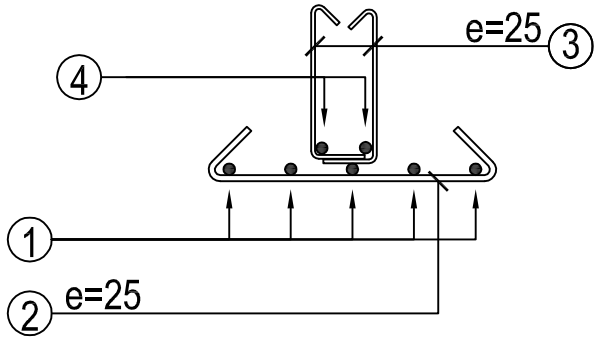
③ 2x27 HA8 x 108 — 80 / 16

④ 2HA10 x 652 — 652

Linéaire sans recouvrement = 6.52 ml

Dessin de montage des semelle Filantes

SF.5
(80x25ht)



① 5HA10 x 542 — 542

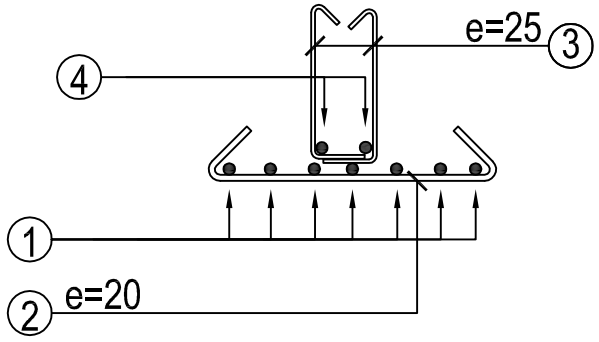
② 22 HA10 x 100 — 15 / 70 / 15

③ 2x22 HA8 x 108 — 80 / 16

④ 2HA10 x 542 — 542

Linéaire sans recouvrement = 5.42ml

SF.6
(120x35ht)



① 7HA10 x 306 — 306

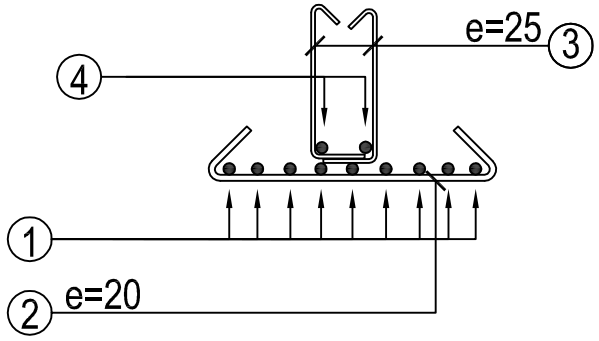
② 16 HA12 x 136 — 18 / 110 / 18

③ 2x13 HA8 x 118 — 90 / 16

④ 2HA10 x 306 — 306

Linéaire sans recouvrement = 3.06ml

SF.7
(160x45ht)



① 9 HA10 x 365 — 365

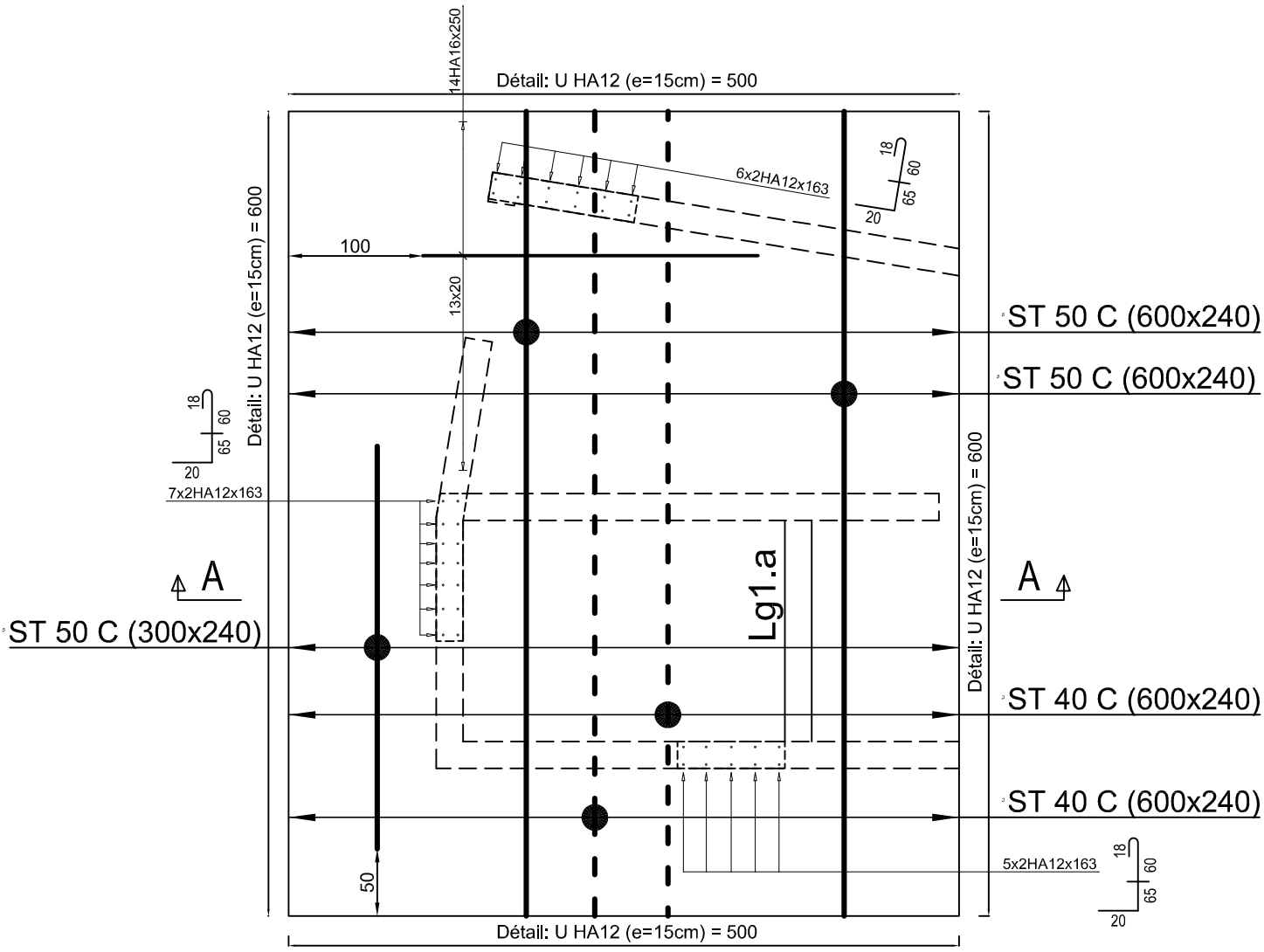
② 19 HA14 x 192 — 21 / 150 / 21

③ 2x26 HA8 x 128 — 100 / 16

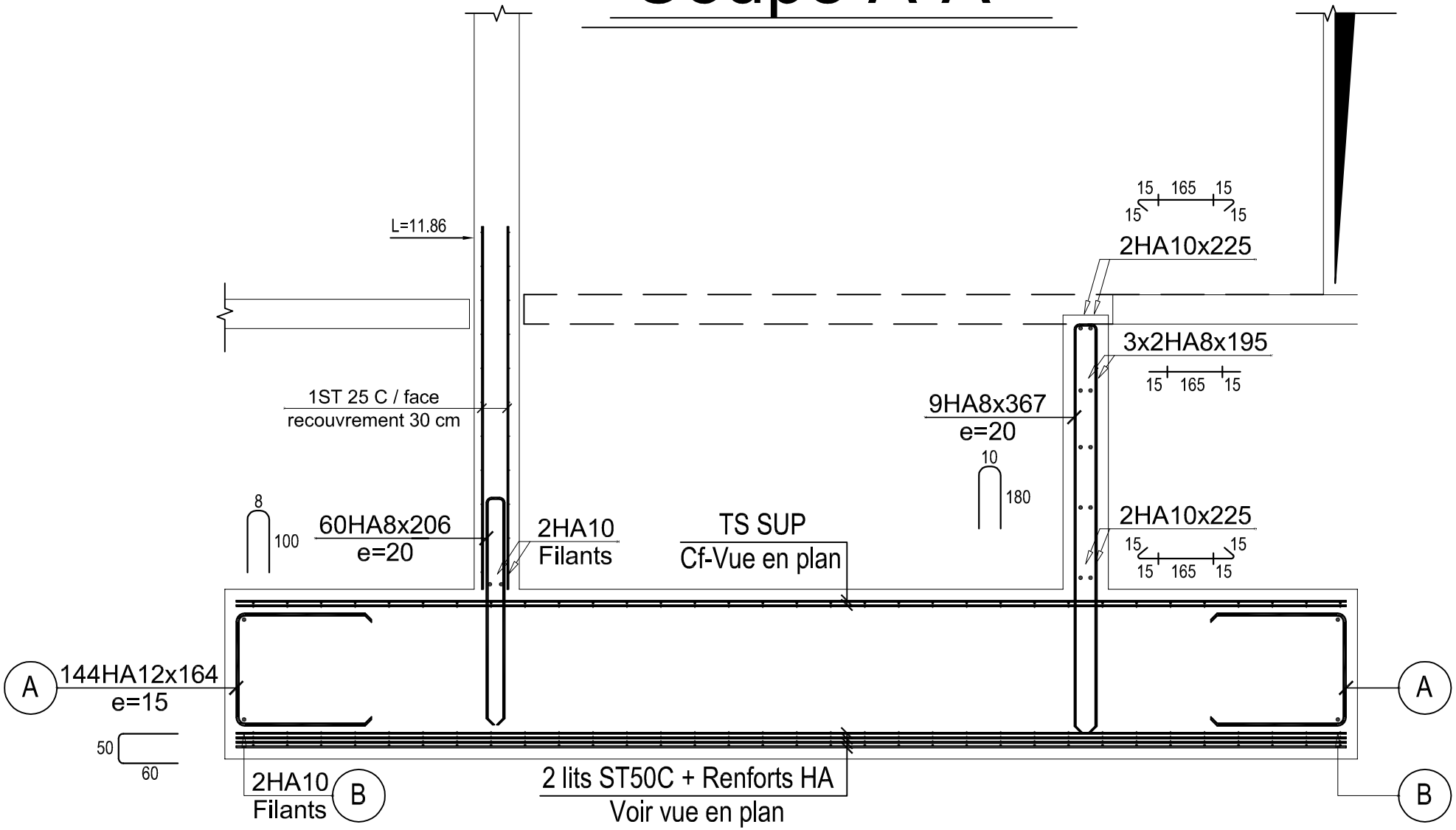
④ 2HA10 x 365 — 365

Linéaire sans recouvrement = 3.65ml

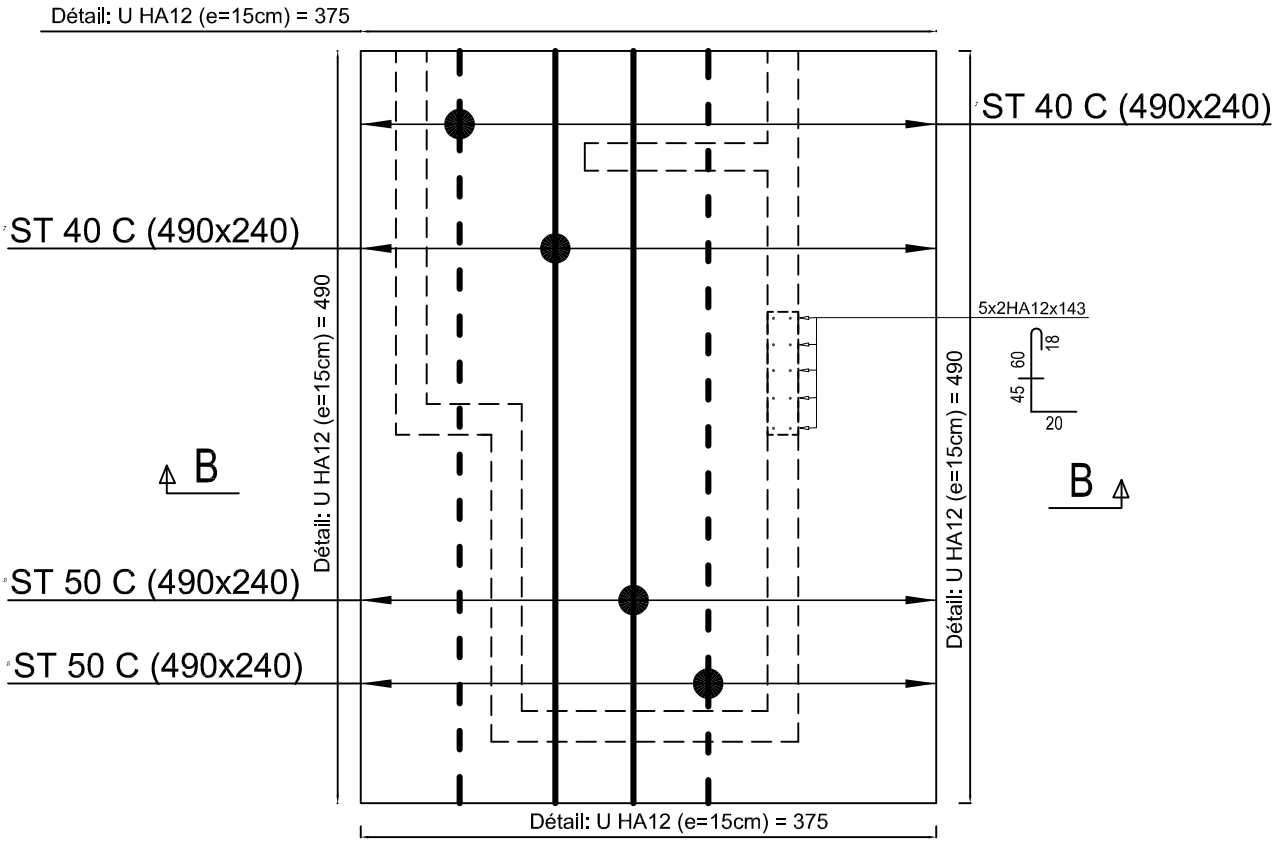
Ferraillage Radier Ra.A (béton C35/45)



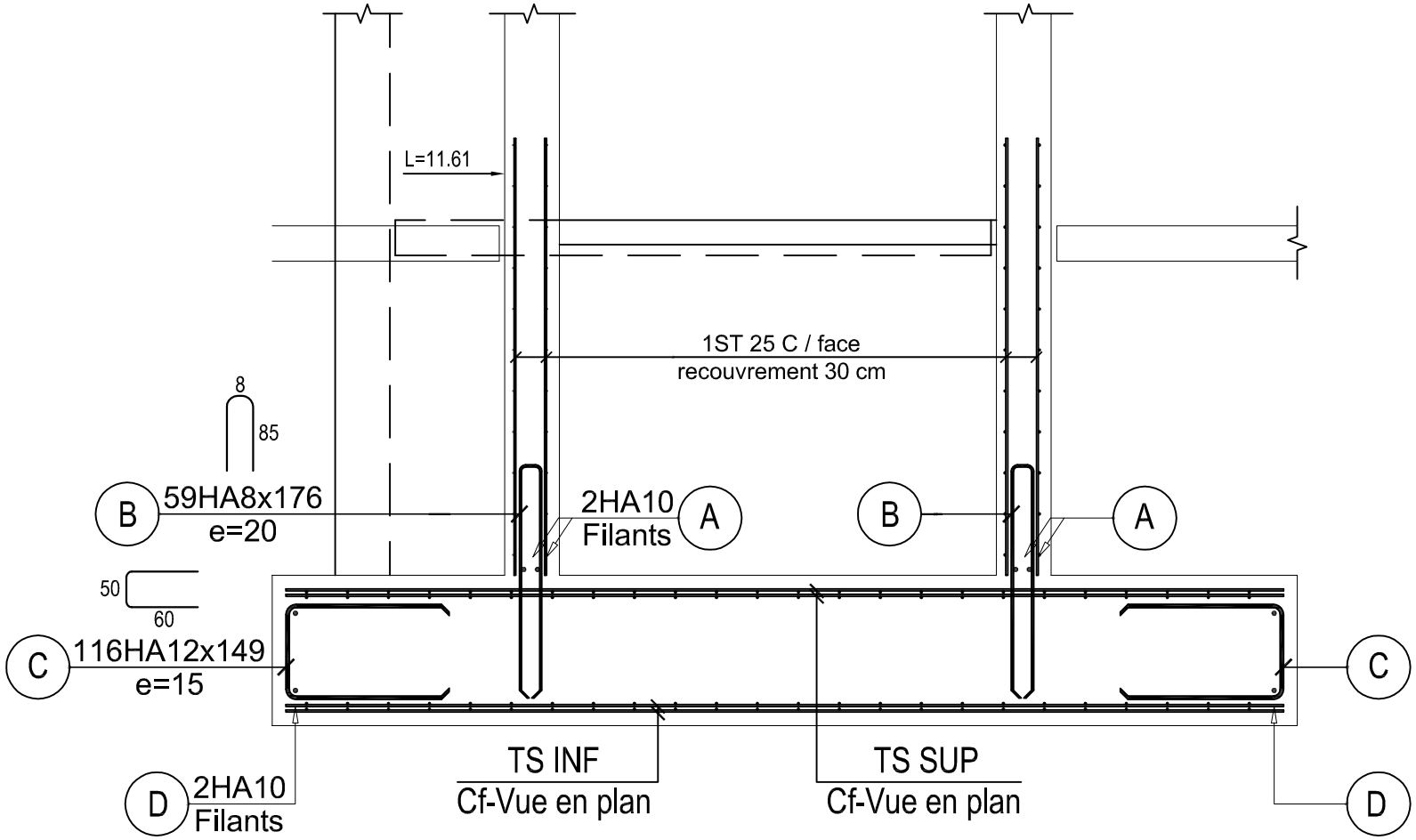
Coupe A-A


L=11.86
15 165 15
15 15
2HA10x225
3x2HA8x195
15 165 15
1ST 25 C / face
recouvrement 30 cm
9HA8x367
e=20
10
180
8
100
60HA8x206
e=20
2HA10
Filants
TS SUP
Cf-Vue en plan
2HA10x225
15 15
15 165 15
A
144HA12x164
e=15
50
60
A
2HA10
Filants
B
2 lits ST50C + Renforts HA
Voir vue en plan
B

Ferraillage Radier Ra.B (béton C35/45)



Coupe B-B


L=11.61
1ST 25 C / face
recouvrement 30 cm
8
85
B
59HA8x176
e=20
2HA10
Filants
A
B
A
50
60
C
116HA12x149
e=15
C
D
2HA10
Filants
TS INF
Cf-Vue en plan
TS SUP
Cf-Vue en plan
D