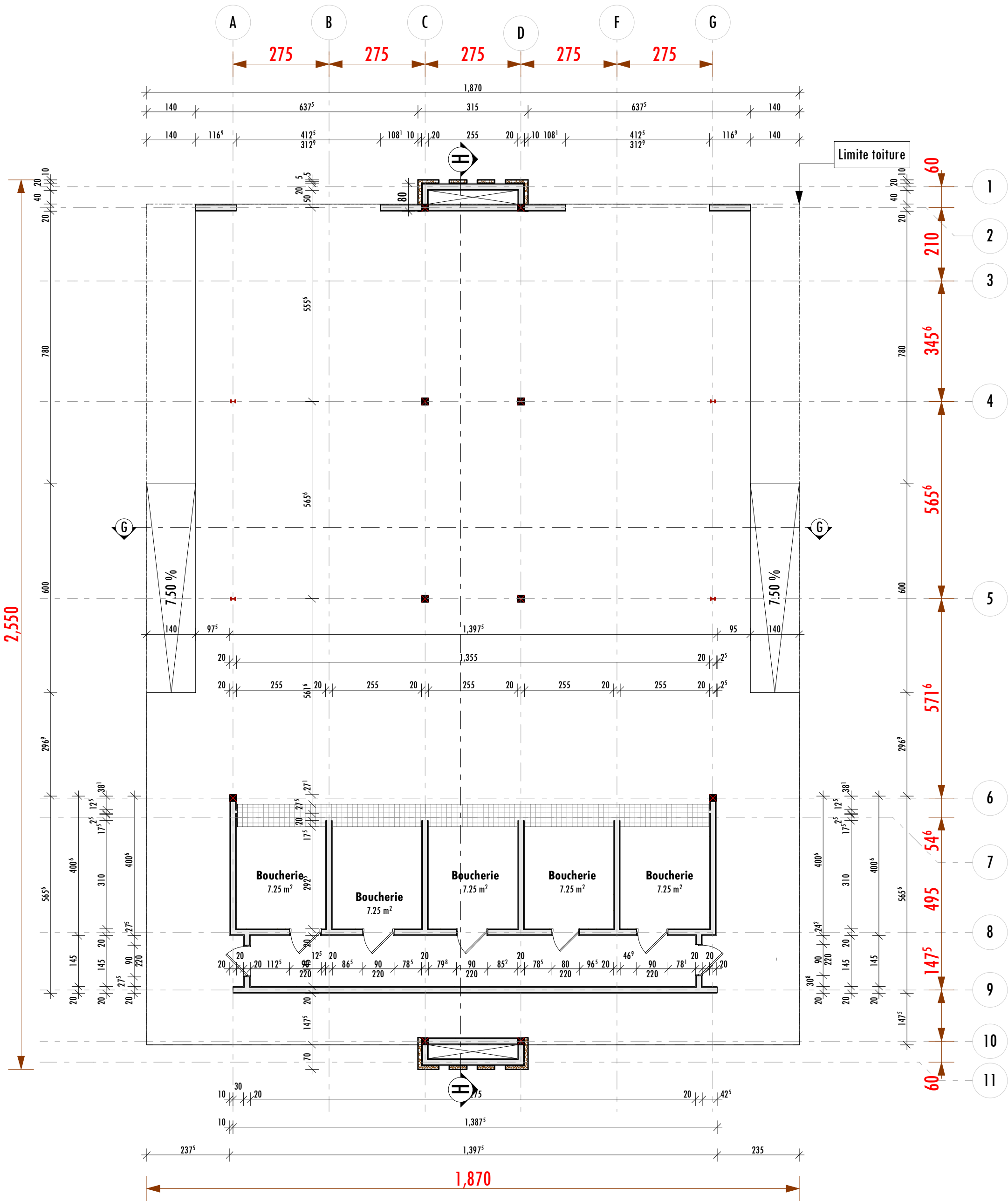
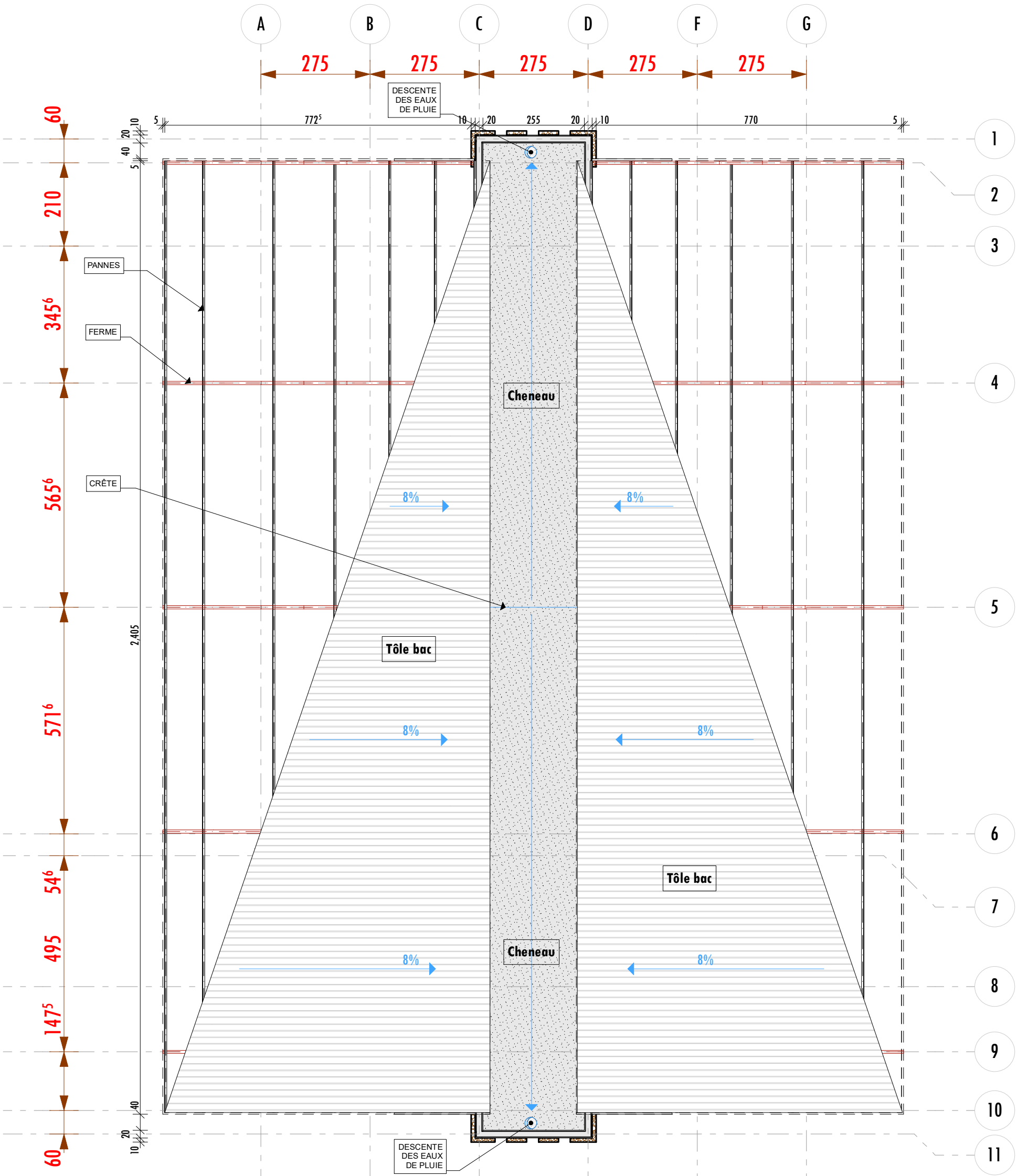


PLANS ARCHITECTURAUX



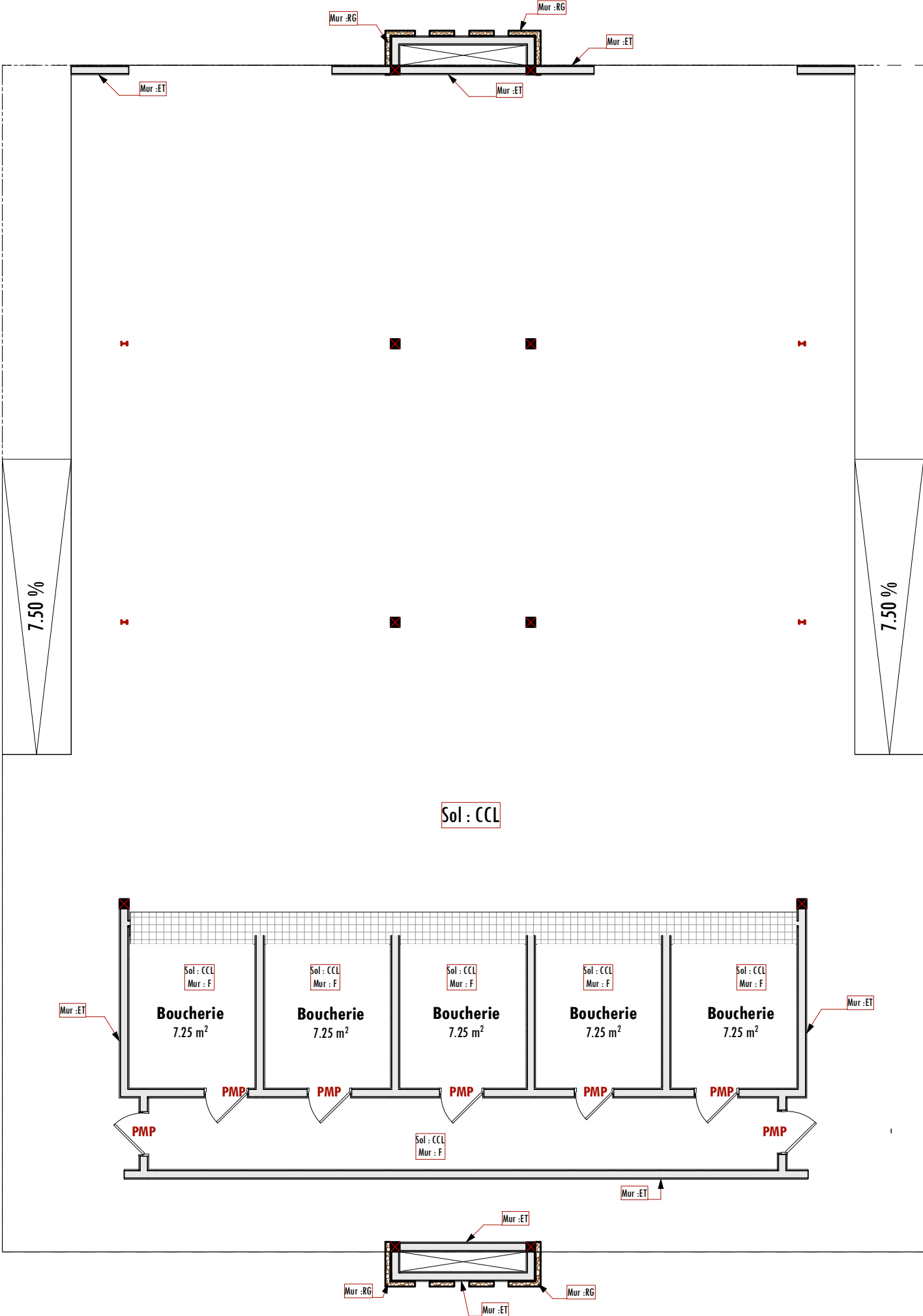
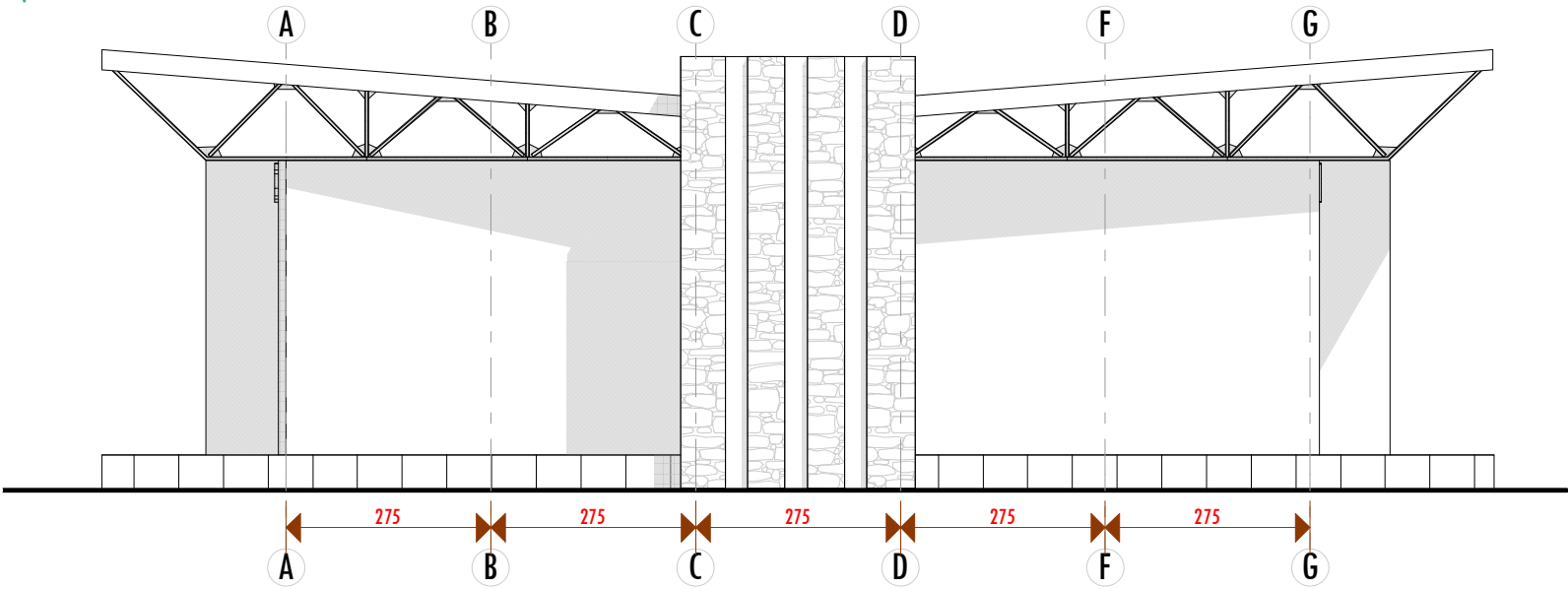
PLAN DE NIVEAU - RDC

1/100

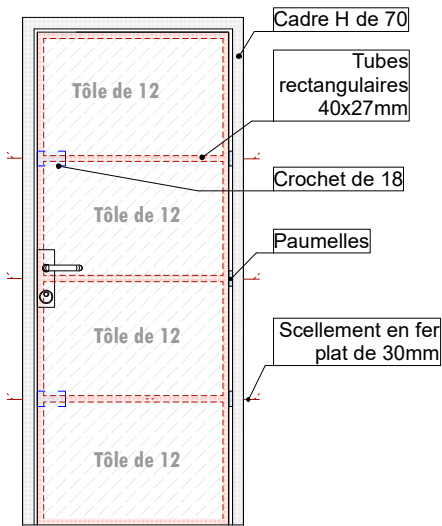


PLAN DE TOITURE **1/100**





Menuiserie métallique
PMP : Porte métallique pleine de 90 x 220 cm à un battants doté d'une structure en tubes rectangulaires de 40x27 mm et revêtus de tôles de 12mm (double face) .



PMP

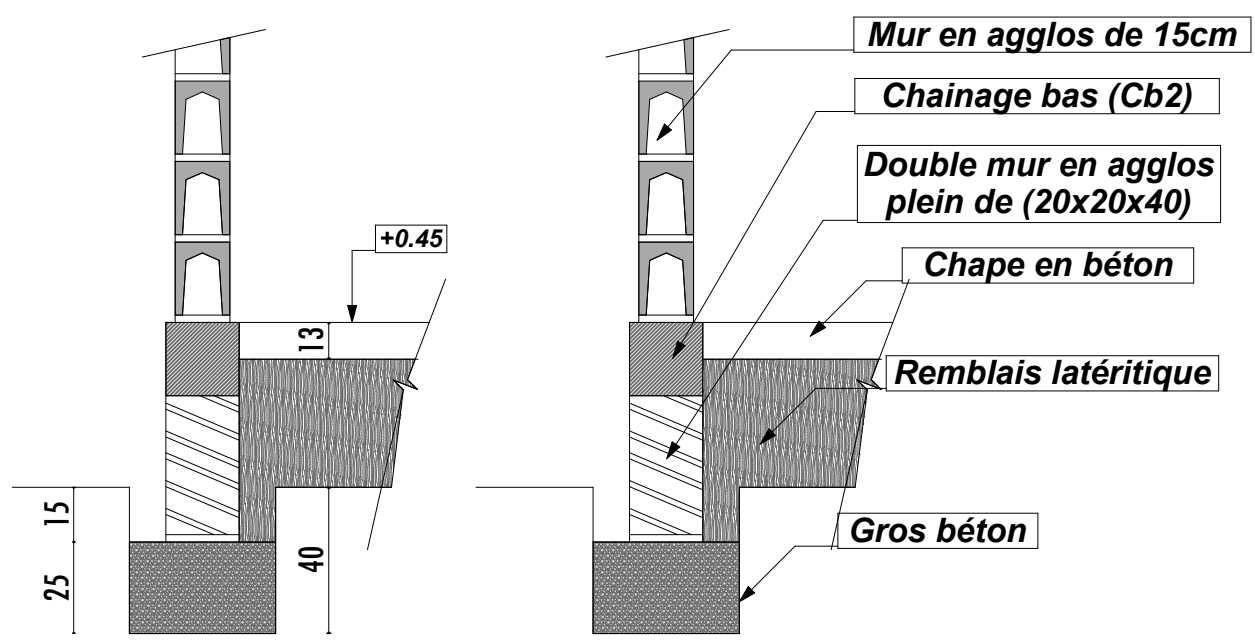
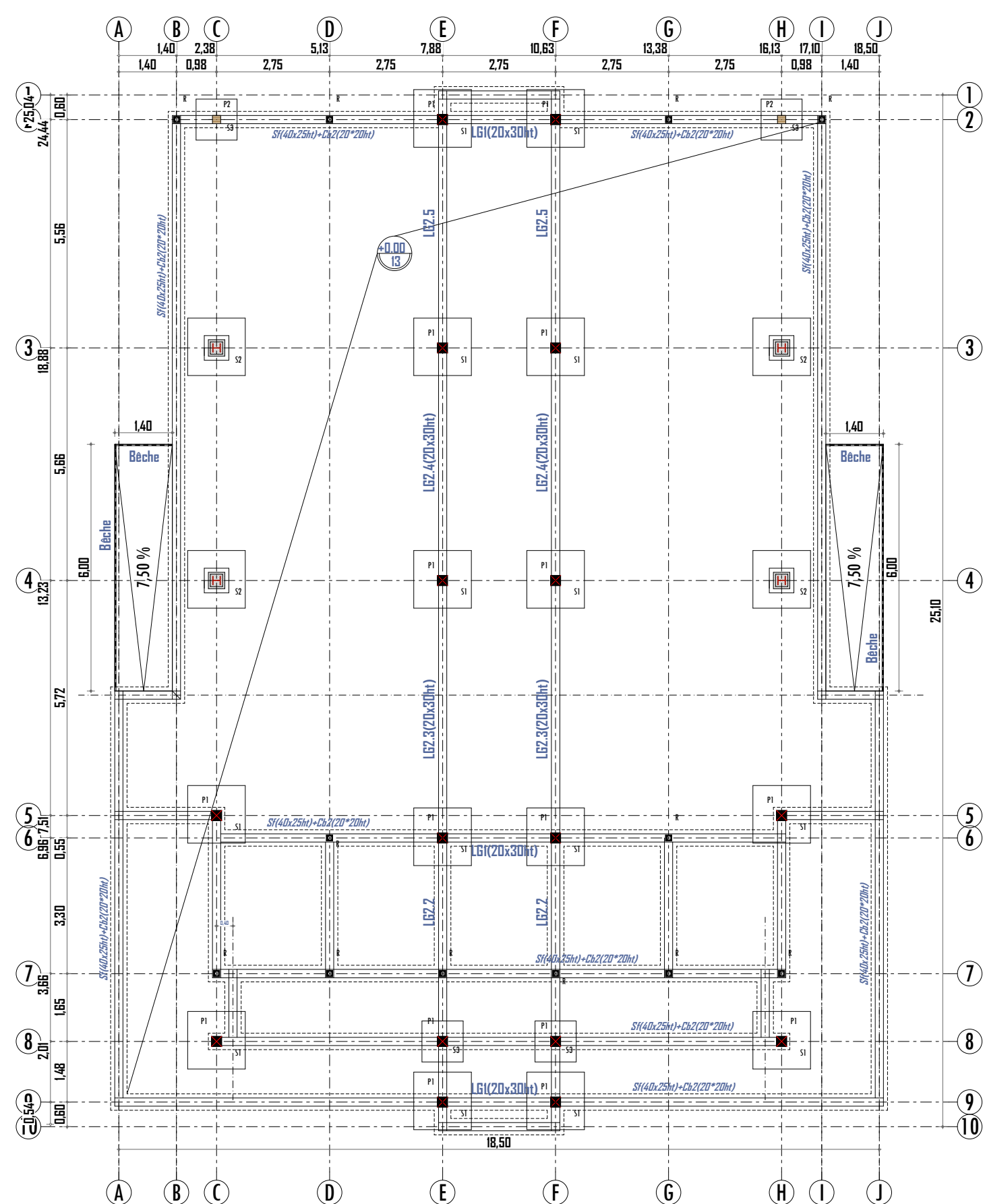
LEGENDE REVETEMENTS	
Sol	
CCL	: Ciment chappe Lisse
Mur	
F	: Faïence
ET	: Enduit Tyrolien
RG	: Revêtement en granite

PLAN DE CORPS D'ETATS SECONDAIRE 1/100

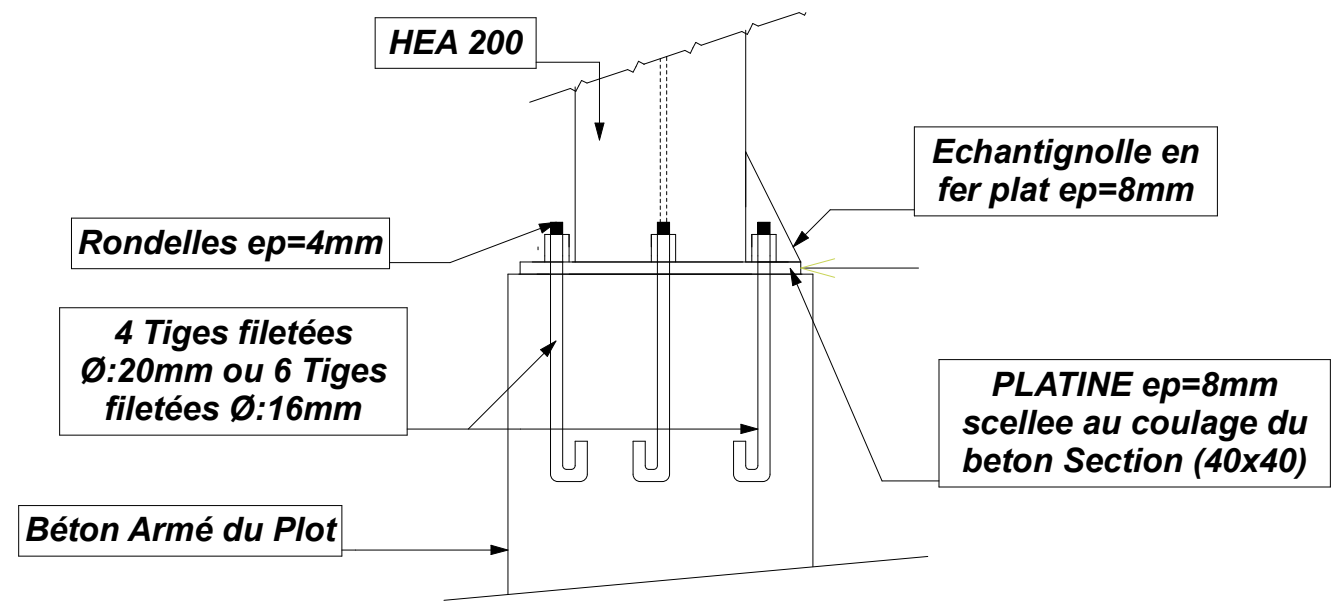
PLAN TYPE - HALL



FONDATION



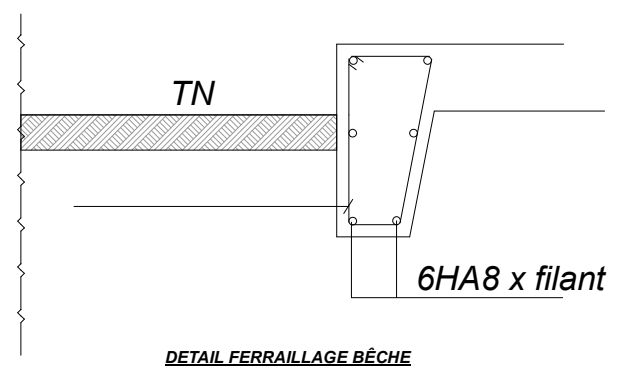
DETAIL Semelle Filante SF



HEA FIXEE PAR BOULONS A L'AIDE D'ECHANTIGNOLES

Nomenclature des Semelles		
Codes	Sections	Quantités
S1	140x140x30	14
S2	140x140x35	04
S3	100x100x25	04

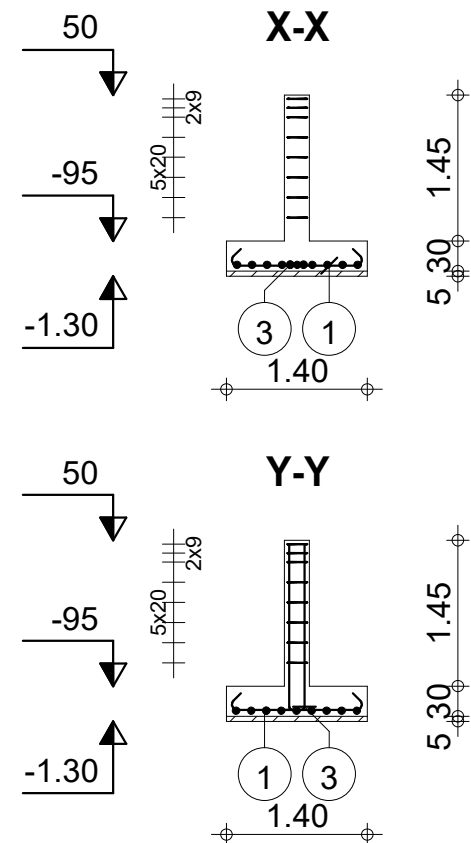
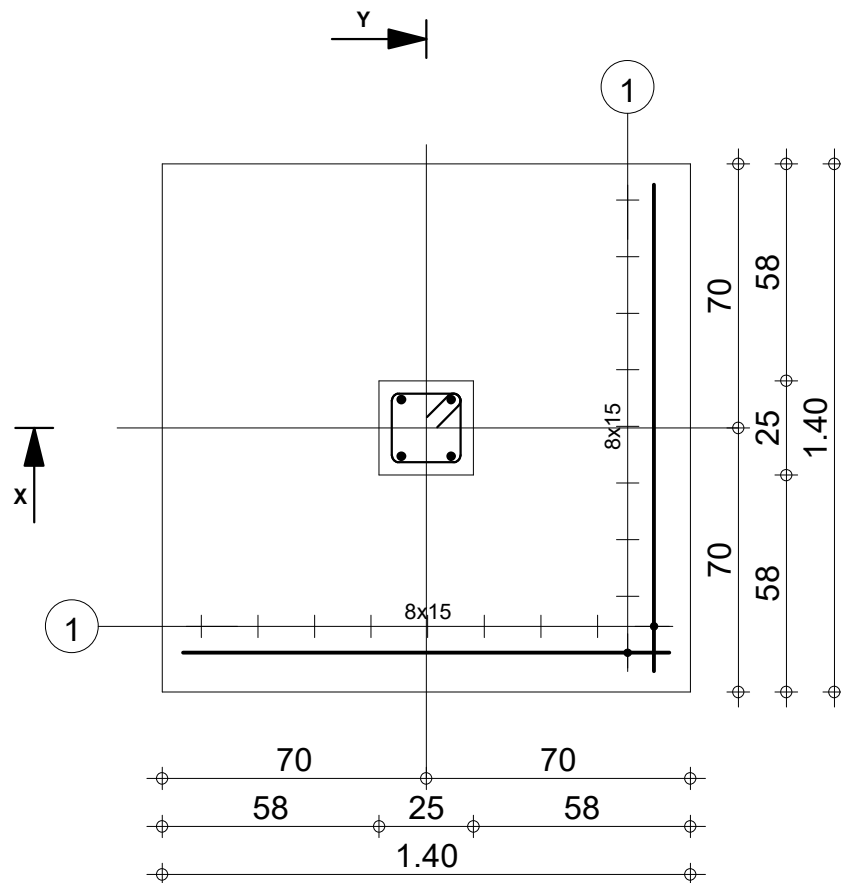
Nomenclature des Poteaux		
Codes	Sections	Quantités
P1	25x25	16
P2	25x15	02
R	15x15	12



DETAIL FERRAILLAGE BÊCHE

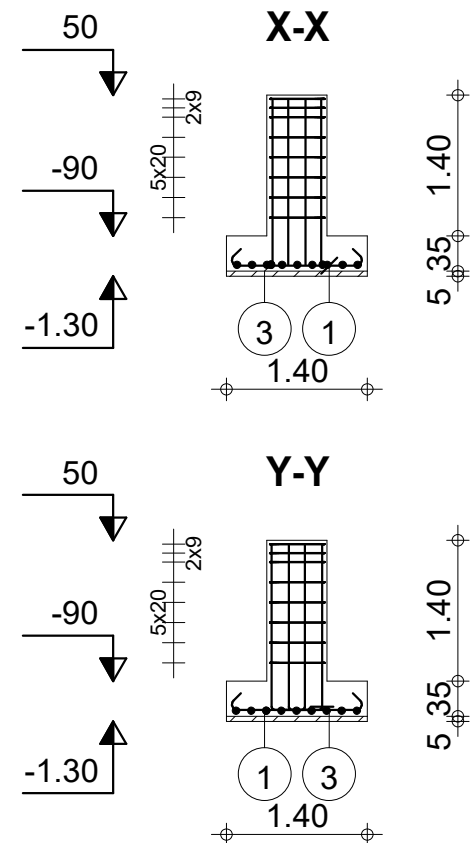
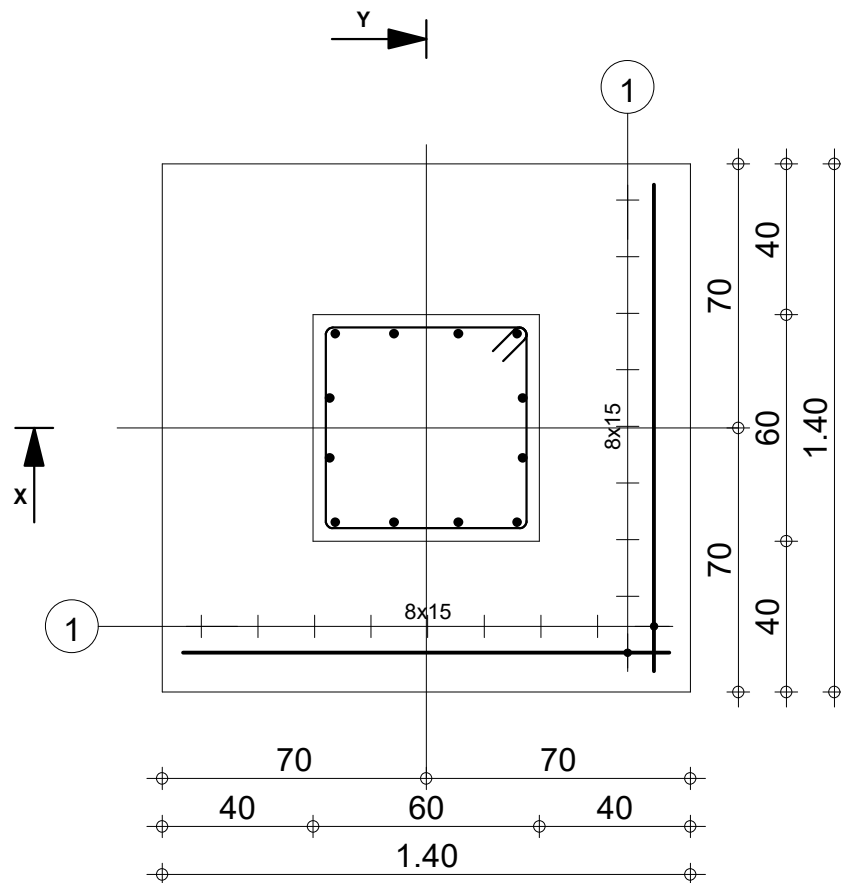
ING. ETUDE: SAMPEBGO Sidiki Tél: (+226) 72 33 03 50/ 74 69 96 16	Maitre d'ouvrage: ENABEL	Titre: PROJET DE CONSTRUCTIONS DES INFRASTRUCTURES ECONOMIQUES DANS LA REGION DU SUD-EST	Titre infrastructure: BOUCHERIE	Plan de fondation
--	------------------------------------	--	---	--------------------------

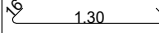
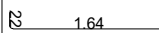
SEMELLES



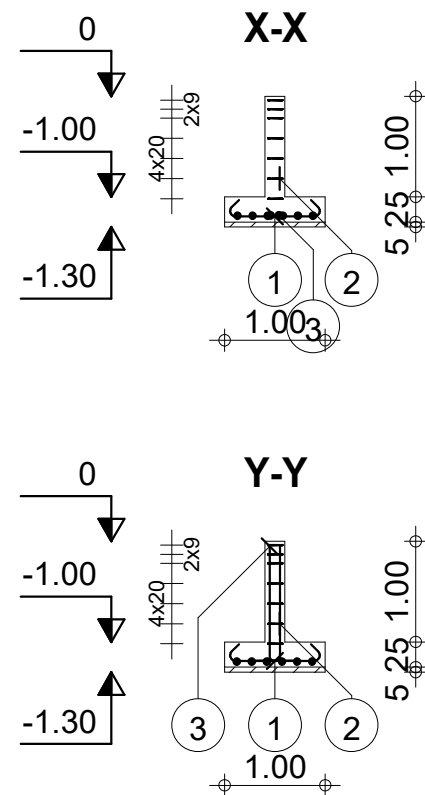
Pos.	Armature	Code	Forme
①	18HA 10 l=1.64	00	
②	8HA 8 l=92	31	
③	4HA 12 l=1.83	00	

Tél. Fax		Acier HA 400 = 18.2 kg	
Fissuration peu préjudiciable		Béton : BETON20 = 0.679 m ³	Acier HA 400 = 9.4 kg
 BOUCHERIE (Semelle) ENABEL		Surface du coffrage = 3.13 m ²	Enrobage c1 = 5 cm, c2 = 3 cm
		Densité = 40.65 kg/ m ³	Echelle pour la vue 1/20
S1 Nombre 1		Page 1/3	



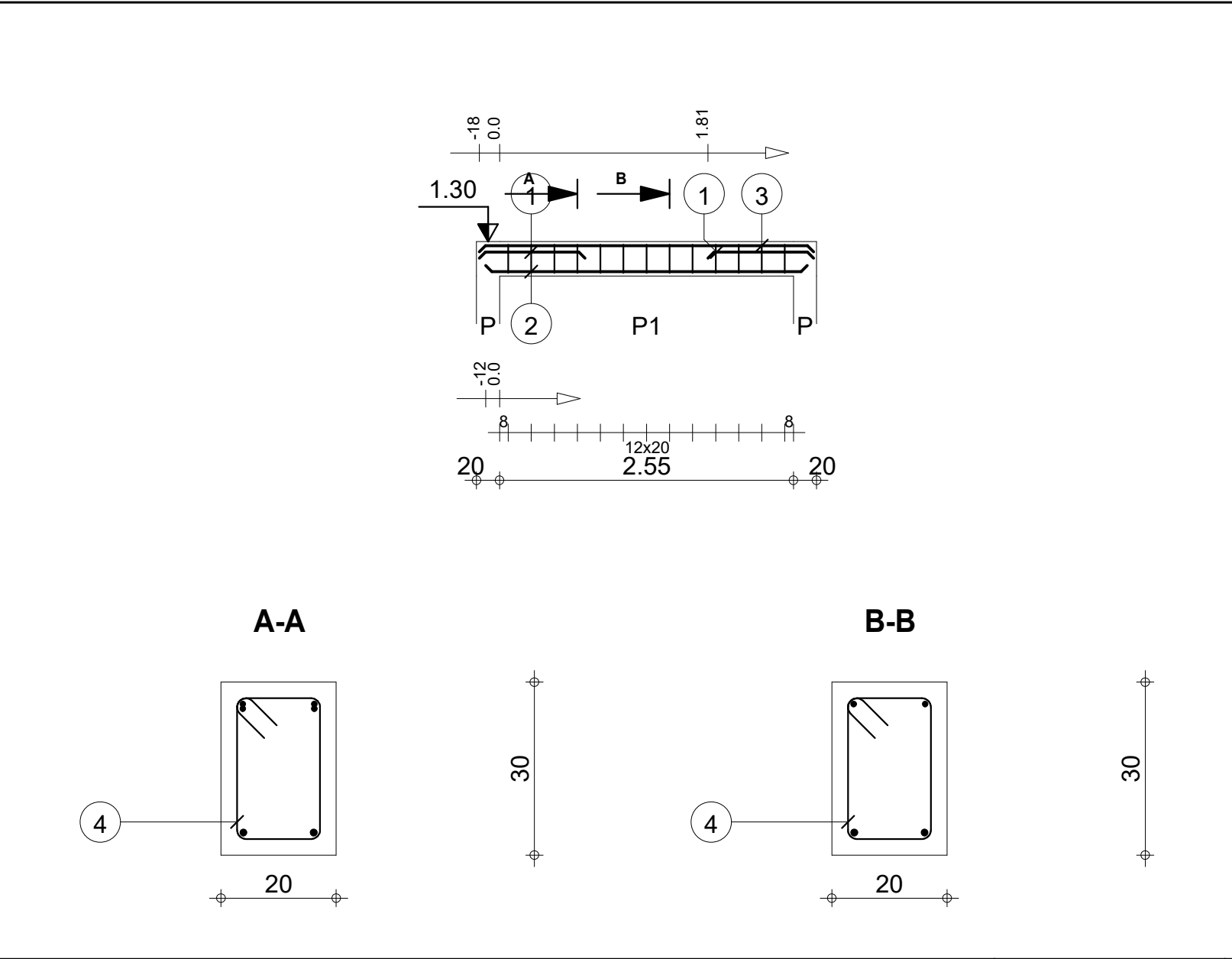
Pos.	Armature	Code	Forme
①	18HA 10	l=1.64	00 
②	8HA 8	l=2.31	31 
③	12HA 12	l=1.83	00 

		Tél.		Fax				Acier HA 400 = 18.2 kg	
								Acier HA 400 = 26.8 kg	
		Fissuration peu préjudiciable				Béton : BETON20 = 1.19 m3			
	BOUCHERIE (Semelle)	S2	Nombre 1	Surface du coffrage = 5.32 m2		Enrobage c1 = 5 cm, c2 = 3 cm			
				Densité = 37.82 kg/ m3					
						Echelle pour la vue 1/20		Page 2/3	
ENABEL									



		Tél.	Fax		
Fissuration peu préjudiciable				Béton : BETON20 = 0.29 m3	Acier HA 400 = 9.17 kg
	BOUCHERIE (Semelle) ENABEL	S3	Nombre 1	Surface du coffrage = 1.8 m2	Acier HA 400 = 6.78 kg
				Densité = 55.17 kg/ m3	Enrobage c1 = 5 cm, c2 = 3 cm
				Echelle pour la vue 1/20	Page 3/3

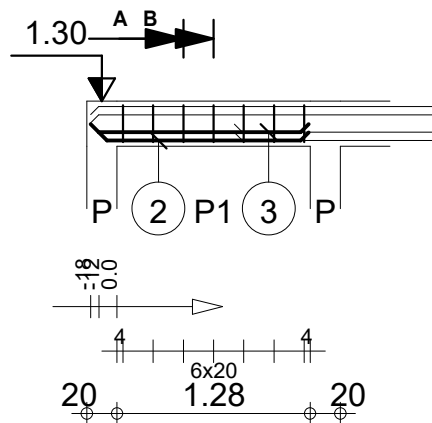
LONGRINES



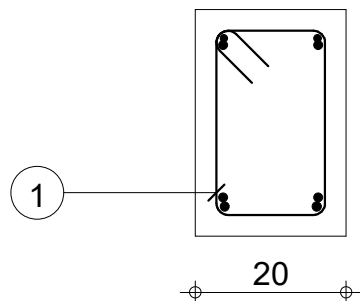
Pos.	Armature	Code	Forme
1	4HA 8 l=92	00	92
2	2HA 12 l=2.79	00	2.79
3	2HA 8 l=2.90	00	2.90
4	13HA 6 l=92	31	15 8 21

Tél.			Fax					Acier HA 400 = 8.69 kg			
Tenue au feu 1/2h			Fissuration peu préjudiciable			Reprise de bétonnage : Non			Béton : BETON20 = 0.177 m3	Acier HA 400 = 2.65 kg	
	BOUCHERIE (Longrines)		LG1 : P1			Nombre 1			Surface du coffrage = 2.4 m2	Enrobage inférieur 2.5 cm Enrobage supérieur 2.5 cm	
	ENABEL		Section 20x30						Densité = 63.84 kg/ m3	Echelle pour la vue 1/50	
									Diamètre moyen = 7.94mm	Echelle pour la section 1/10	
										Page 1/6	

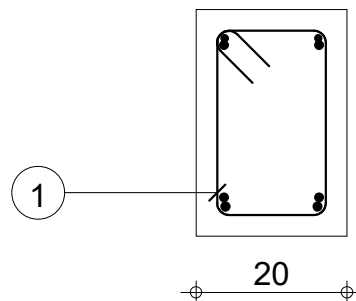
Pos.	Armature	Code	Forme
①	7HA 6 l=92	31	
②	2HA 12 l=1.39	00	
③	2HA 12 l=1.45	00	



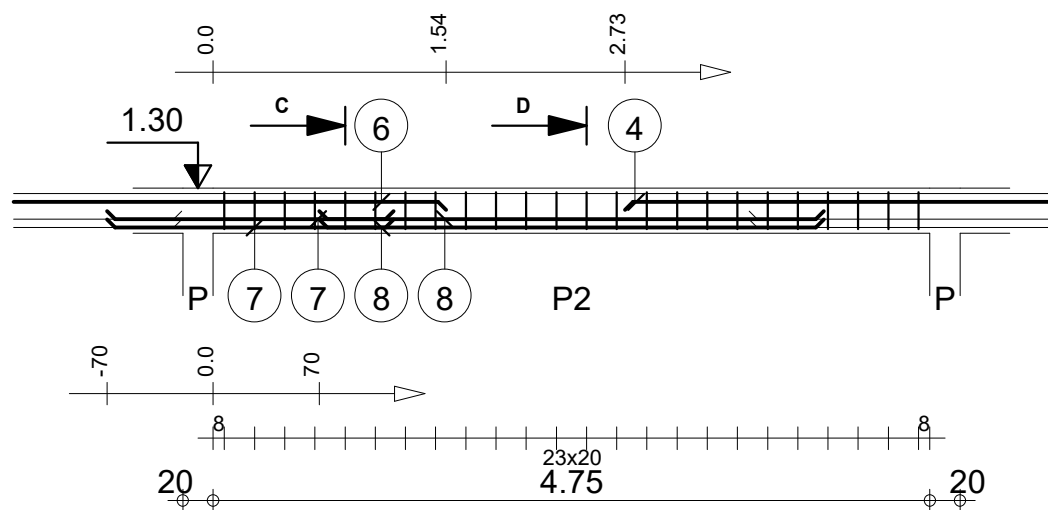
A-A



B-B

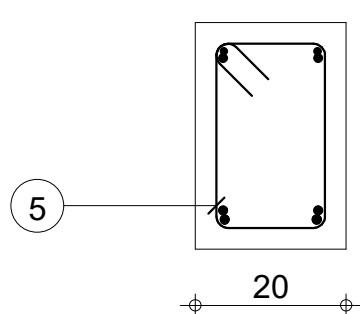


Tél.		Fax		Acier HA 400 = 5.04 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Béton : BETON20 = 0.0948 m ³ Acier HA 400 = 1.43 kg	
 Fondation ENABEL		LG2 : P1 Section 20x30		Surface du coffrage = 1.26 m ² Enrobage inférieur 2.5 cm Enrobage supérieur 2.5 cm Enrobage latéral 2.5 cm	
				Densité = 68.14 kg/ m ³ Diamètre moyen = 8.81mm	
		Nombre 1		Echelle pour la vue 1/50 Echelle pour la section 1/10	
				Page 2/6	

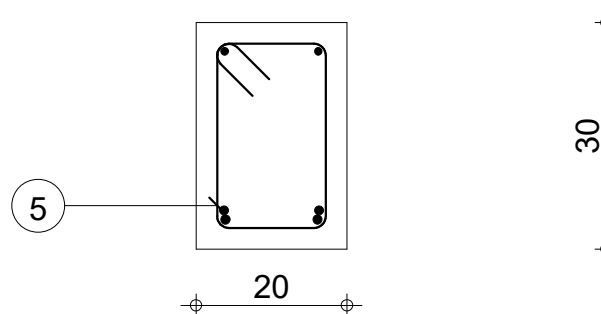


Pos.	Armature	Code	Forme
4	2HA 12 l=4.16	00	4.16
5	24HA 6 l=92	31	15/8
6	2HA 12 l=3.20	00	3.20
7	4HA 12 l=1.90	00	1.90
8	4HA 12 l=3.34	00	3.34

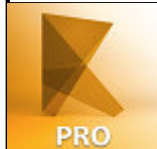
C-C



D-D

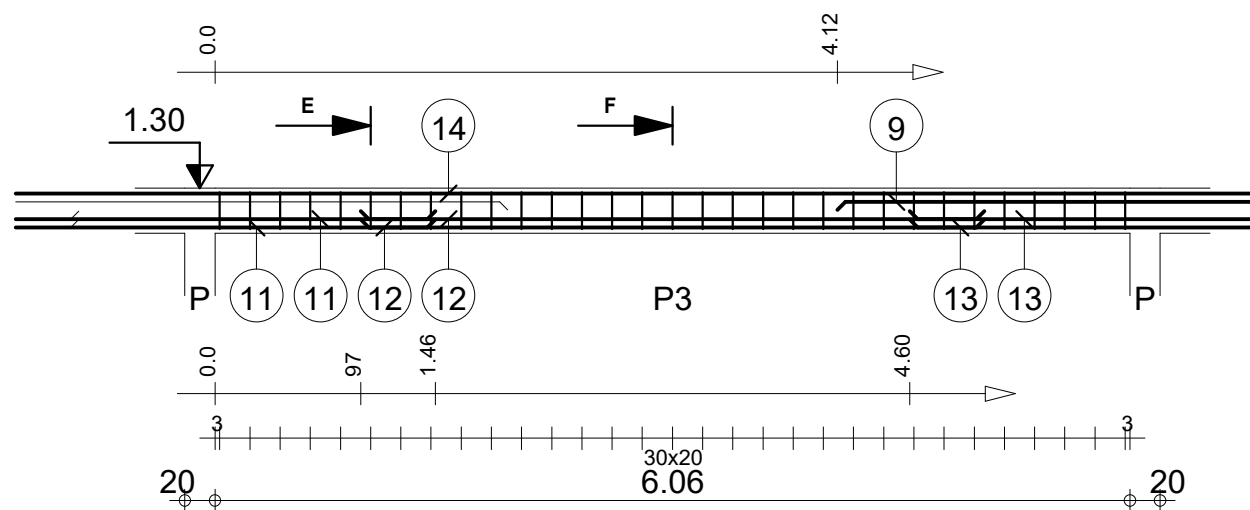


Tél.		Fax		Acier HA 400 = 31.7 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Acier HA 400 = 4.89 kg	
Reprise de bétonnage : Non		Béton : BETON20 = 0.297 m ³		Surface du coffrage = 3.92 m ²	
Nombre 1		Enrobage inférieur 2.5 cm		Enrobage supérieur 2.5 cm	
Densité = 123.2 kg/ m ³		Enrobage latéral 2.5 cm		Echelle pour la vue 1/50	
Diamètre moyen = 9.71mm		Echelle pour la section 1/10		Page 3/6	



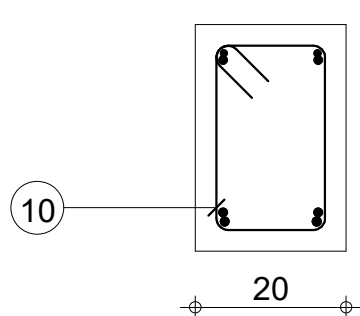
**Fondation
ENABEL**

**LG2 : P2
Section 20x30**

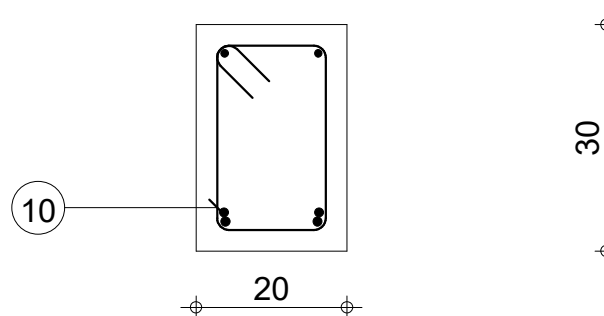


Pos.	Armature	Code	Forme
9	2HA 12 l=3.90	00	3.90
10	31HA 6 l=92	31	15/8
11	4HA 12 l=2.86	00	2.86
12	4HA 12 l=4.13	00	4.13
13	4HA 12 l=3.00	00	3.00
14	2HA 8 l=24.06	00	24.06

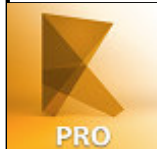
E-E



F-F

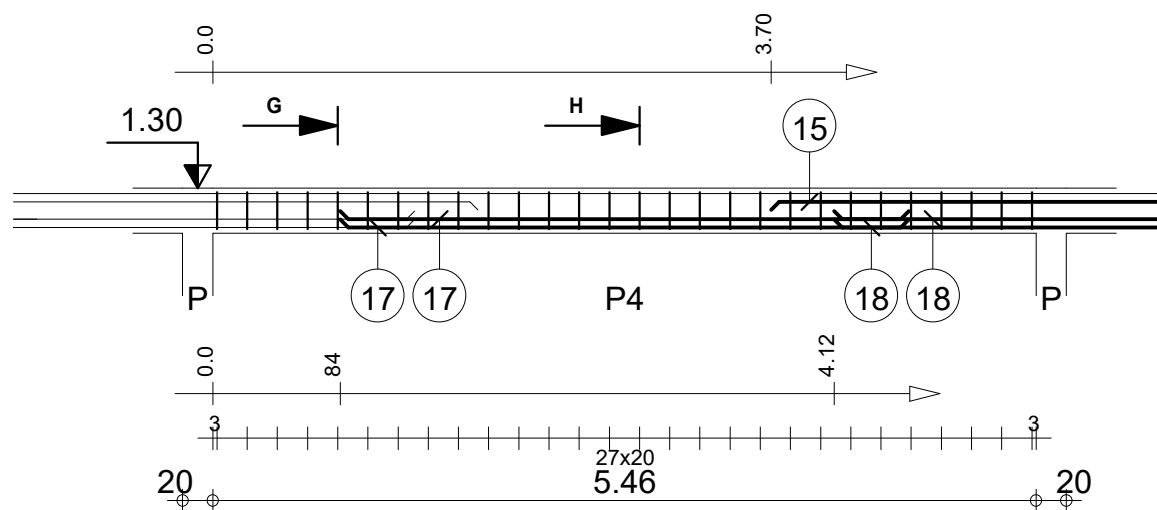


		Tél.	Fax			Acier HA 400 = 61.4 kg		
Tenue au feu 1/2h		Fissuration peu préjudiciable		Reprise de bétonnage : Non		Béton : BETON20 = 0.376 m3	Acier HA 400 = 6.32 kg	
	Fondation ENABEL	LG2 : P3 Section 20x30		Nombre 1	Surface du coffrage = 4.97 m2		Enrobage inférieur 2.5 cm	Enrobage supérieur 2.5 cm
							Enrobage latéral 2.5 cm	
					Densité = 180.1 kg/ m3 Diamètre moyen = 9.08mm		Echelle pour la vue 1/50 Echelle pour la section 1/10	Page 4/6



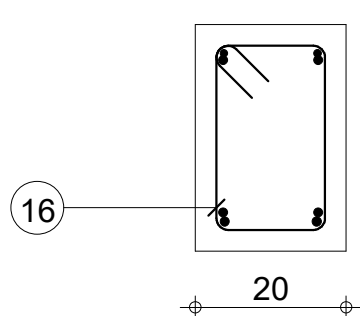
**Fondation
ENABEL**

**LG2 : P3
Section 20x30**

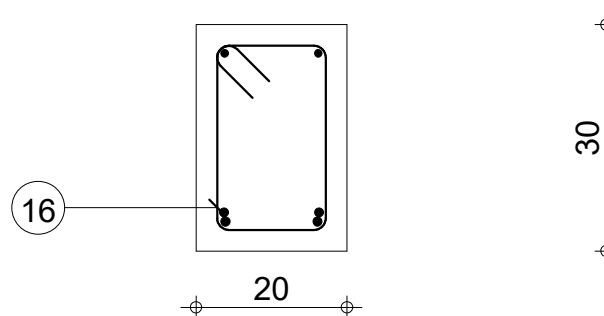


Pos.	Armature	Code	Forme
15	2HA 12 l=3.68	00	3.68
16	28HA 6 l=92	31	15 8
17	4HA 12 l=3.77	00	3.77
18	4HA 12 l=2.86	00	2.86

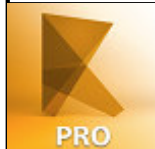
G-G



H-H

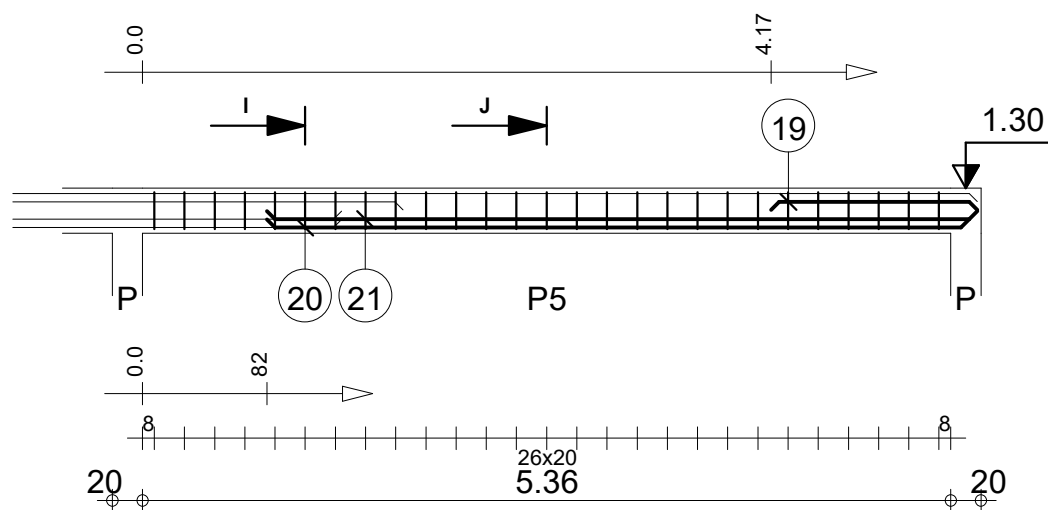


Tél.		Fax		Acier HA 400 = 30.1 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Acier HA 400 = 5.71 kg	
Reprise de bétonnage : Non		Béton : BETON20 = 0.339 m ³		Surface du coffrage = 4.48 m ²	
Nombre 1		Enrobage inférieur 2.5 cm		Enrobage supérieur 2.5 cm	
Densité = 105.6 kg/ m ³		Enrobage latéral 2.5 cm		Echelle pour la vue 1/50	
Diamètre moyen = 9.41mm		Echelle pour la section 1/10		Page 5/6	



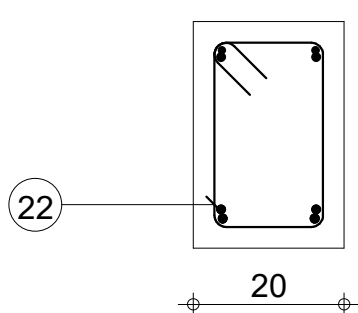
**Fondation
ENABEL**

**LG2 : P4
Section 20x30**

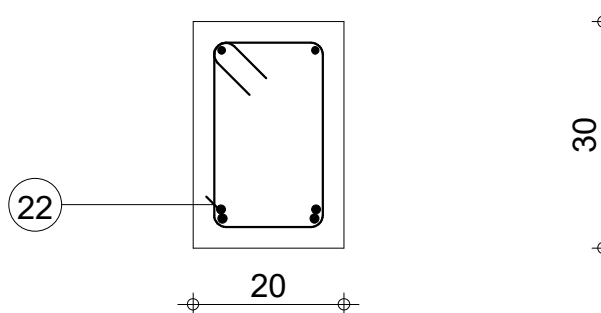


Pos.	Armature	Code	Forme
19	2HA 12 l=1.37	00	1.37
20	2HA 12 l=4.65	00	4.65
21	2HA 12 l=4.71	00	4.71
22	27HA 6 l=92	31	15 8 21

I-I

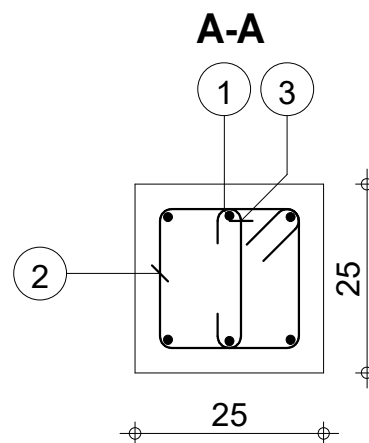
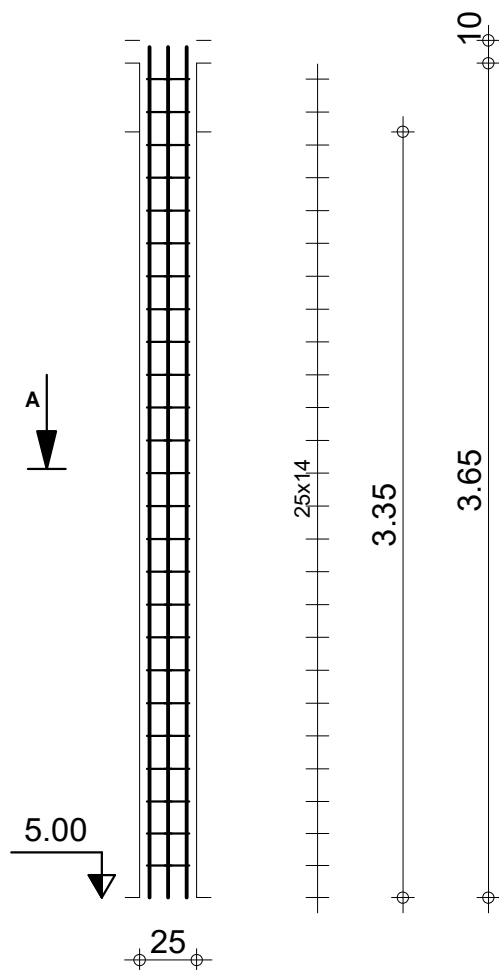


J-J



		Tél.	Fax		Acier HA 400 = 19 kg			
Tenue au feu 1/2h		Fissuration peu préjudiciable		Reprise de bétonnage : Non		Béton : BETON20 = 0.339 m3	Acier HA 400 = 5.5 kg	
	Fondation ENABEL	LG2 : P5 Section 20x30		Nombre 1	Surface du coffrage = 4.52 m2	Enrobage inférieur 2.5 cm		Enrobage supérieur 2.5 cm
						Enrobage latéral 2.5 cm		
					Densité = 72.27 kg/ m3	Echelle pour la vue 1/50		Page 6/6
					Diamètre moyen = 8.78mm	Echelle pour la section 1/10		

POTEAUX



Pos.	Armature	Code	Forme
①	6HA 12 l=3.72	00	3.72
②	25HA 6 l=88	31	
③	25HA 6 l=31	00	

Tél.

Fax

Acier HA 400 = 19.8 kg

Béton : BETON20 = 0.209 m3

Acier HA 400 = 6.59 kg

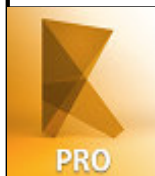
Surface du coffrage = 3.35 m2

Enrobage 3 cm

Echelle pour la vue 1/33

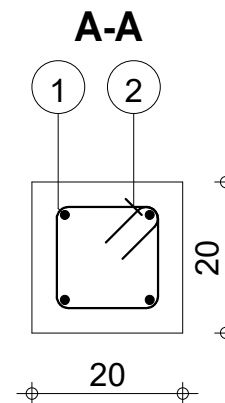
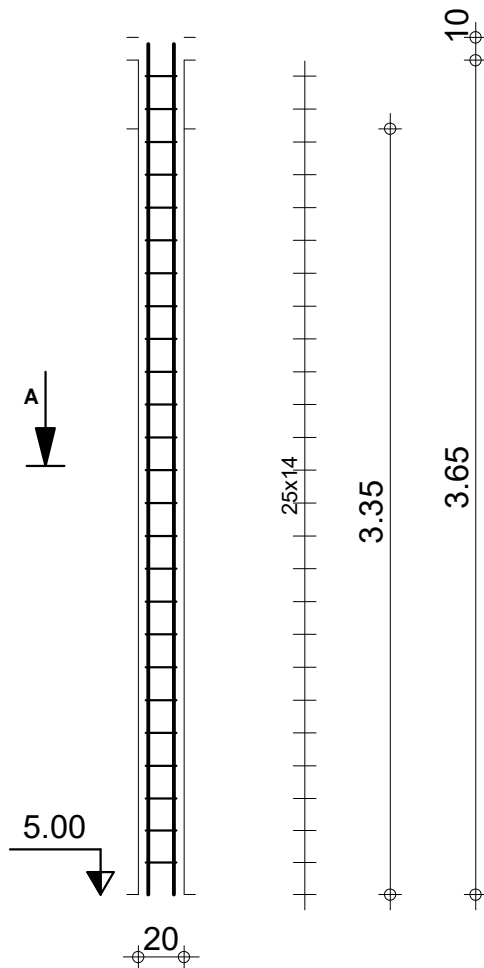
Echelle pour la section 1/10

Page 1/2

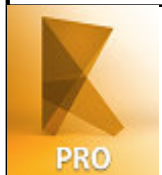


BOUCHERIE (Potaeux)
ENABEL

P1
Section 25x25



Pos.	Armature	Code	Forme
①	4HA 12 l=3.72	00	3.72
②	25HA 6 l=68	31	14 8



Copie RDC
ENABEL

P2
Section 20x20

Tél.

Fax

Acier HA 400 = 13.2 kg

Béton : BETON20 = 0.134 m3

Acier HA 400 = 3.76 kg

Surface du coffrage = 2.68 m2

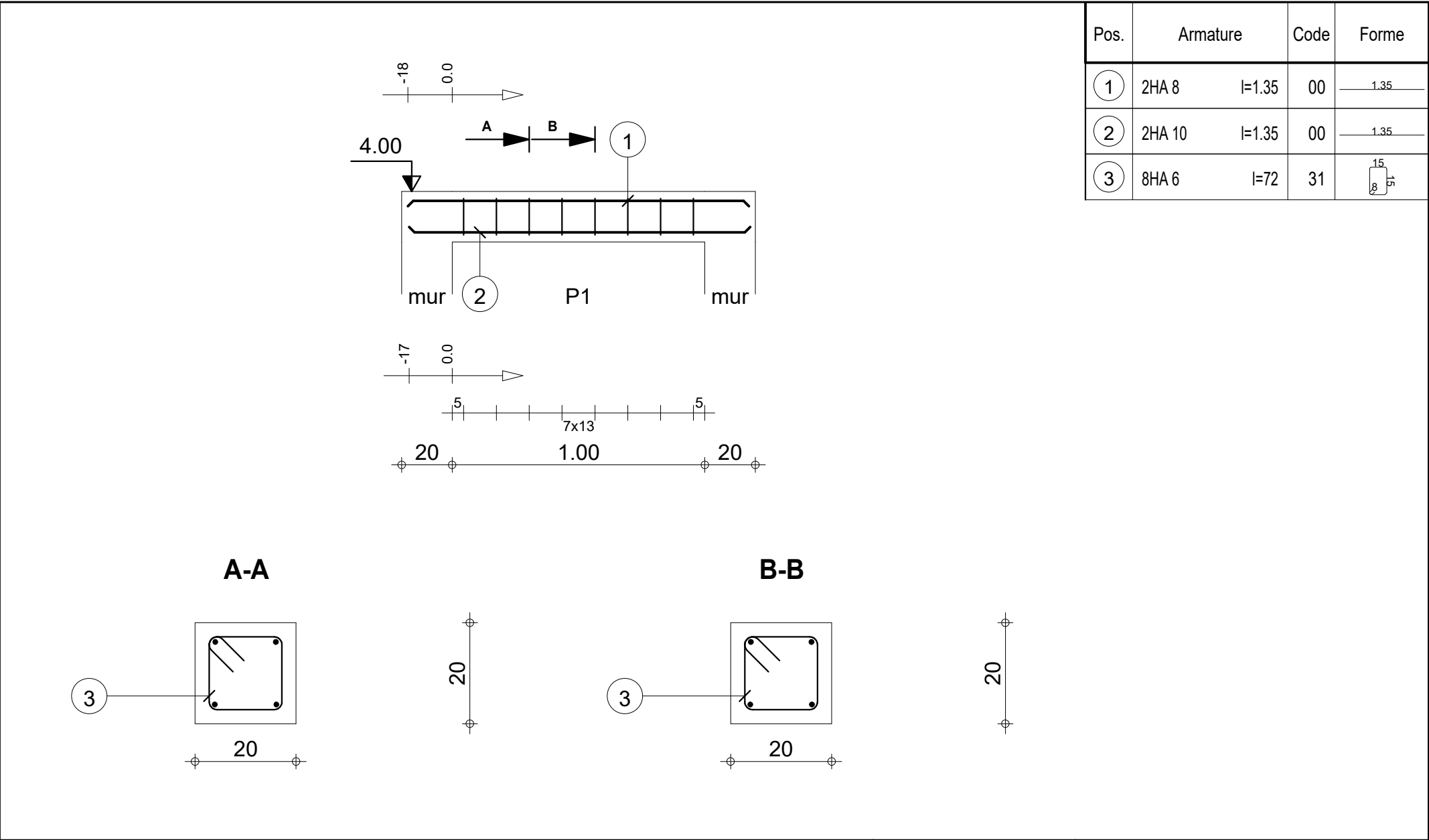
Enrobage 3 cm

Echelle pour la vue 1/33

Echelle pour la section 1/10

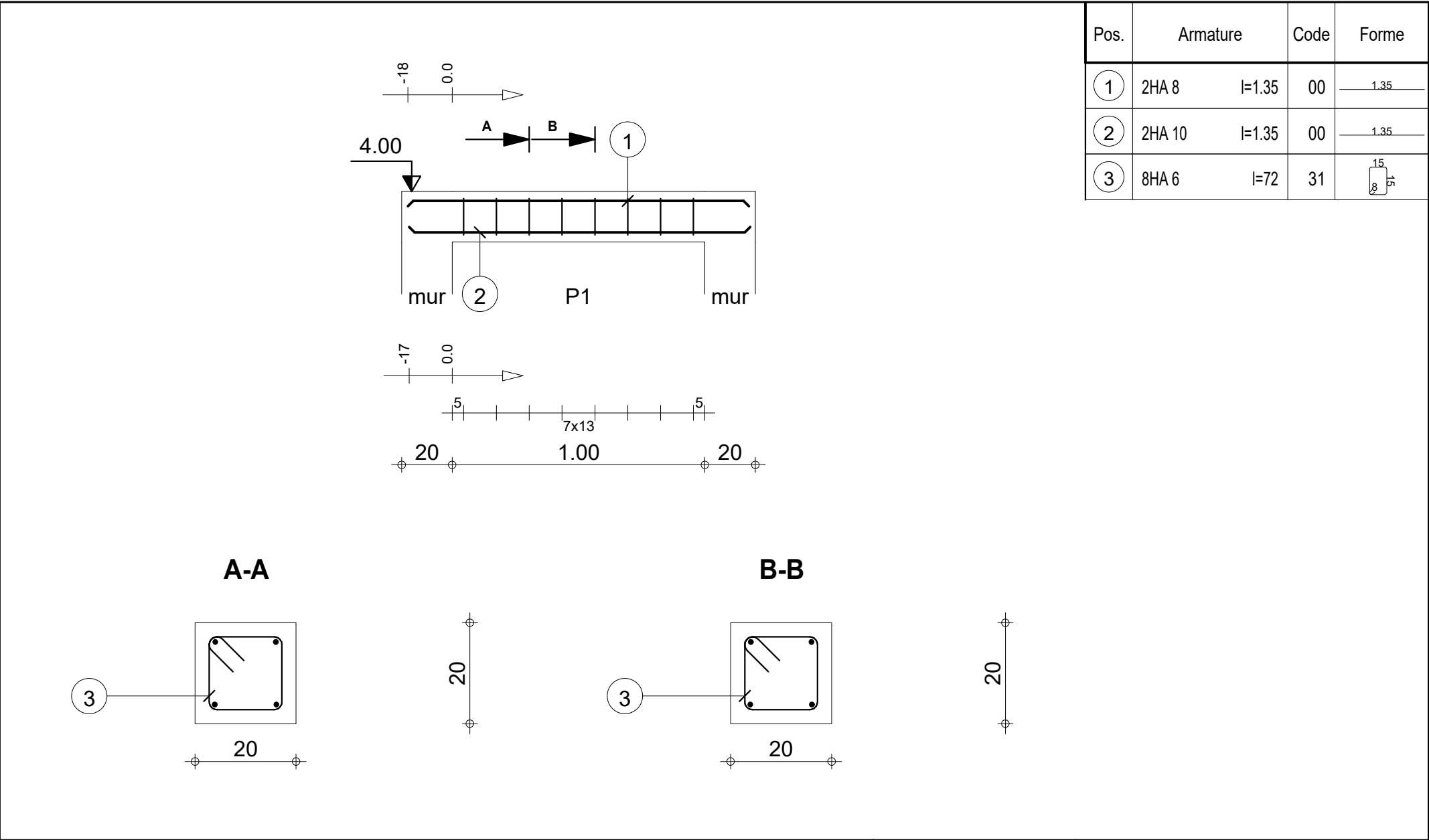
Page 2/2

CHAINAGES



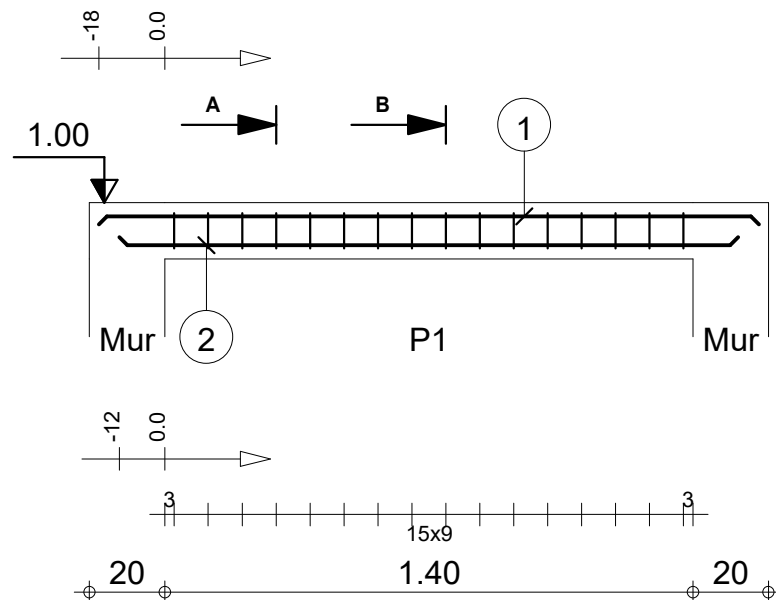
Pos.	Armature	Code	Forme
1	2HA 8 l=1.35	00	1.35
2	2HA 10 l=1.35	00	1.35
3	8HA 6 l=72	31	15 8

		Tél.	Fax		Acier HA 500 = 2.73 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Reprise de bétonnage : Non		Béton : BETON25 = 0.056 m3 Acier HA 500 = 1.28 kg
	BOUCHERIE (Chainage bas)		Cb : P1		Surface du coffrage = 0.84 m2	
	ENABEL		Section 20x20		Enrobage inférieur 2.5 cm Enrobage supérieur 2.5 cm Enrobage latéral 2.5 cm	
			Nombre 1		Densité = 71.61 kg/ m3	
					Diamètre moyen = 7.45mm	
				Echelle pour la vue 1/20		Page 1/1
				Echelle pour la section 1/10		

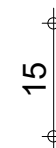
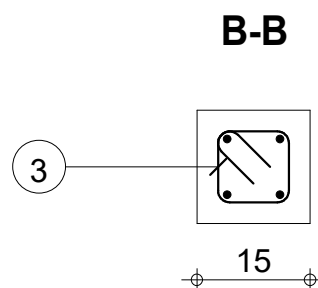
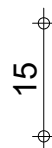
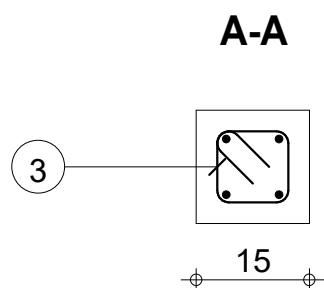


Pos.	Armature	Code	Forme
①	2HA 8 l=1.35	00	1.35
②	2HA 10 l=1.35	00	1.35
③	8HA 6 l=72	31	

Tél.		Fax		Acier HA 500 = 2.73 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Acier HA 500 = 1.28 kg	
		Ch : P1 Section 20x20		Béton : BETON25 = 0.056 m ³	Enrobage inférieur 2.5 cm
				Surface du coffrage = 0.84 m ²	Enrobage supérieur 2.5 cm
		Nombre 1		Densité = 71.61 kg/ m ³	Echelle pour la vue 1/20
				Diamètre moyen = 7.45mm	Echelle pour la section 1/10
				Page 1/2	

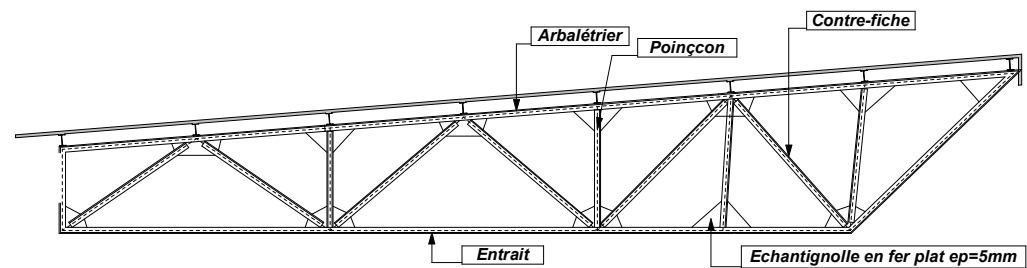
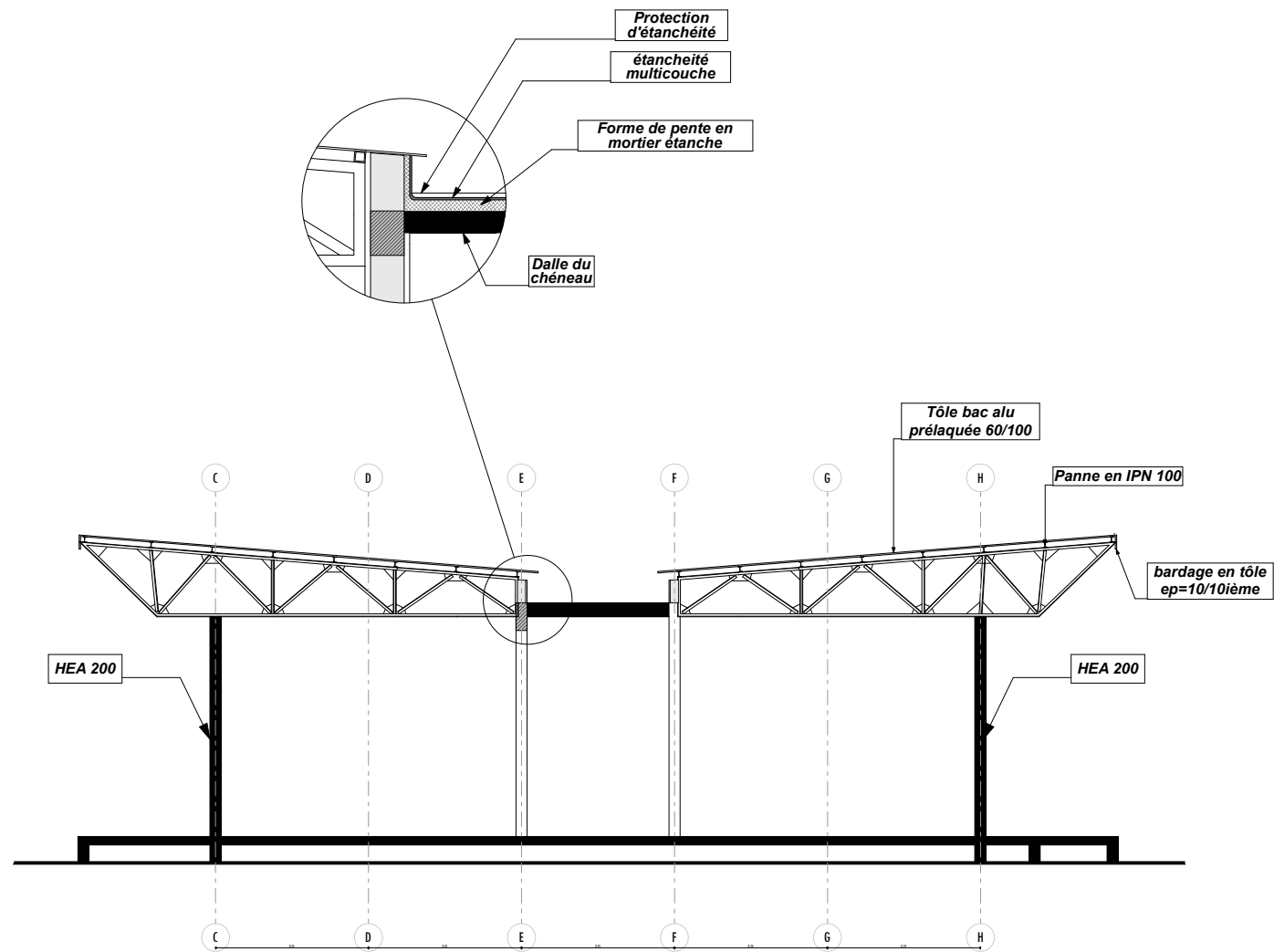


Pos.	Armature	Code	Forme
①	2HA 8 l=1.75	00	1.75
②	2HA 8 l=1.64	00	1.64
③	16HA 6 l=52	31	10 8 5

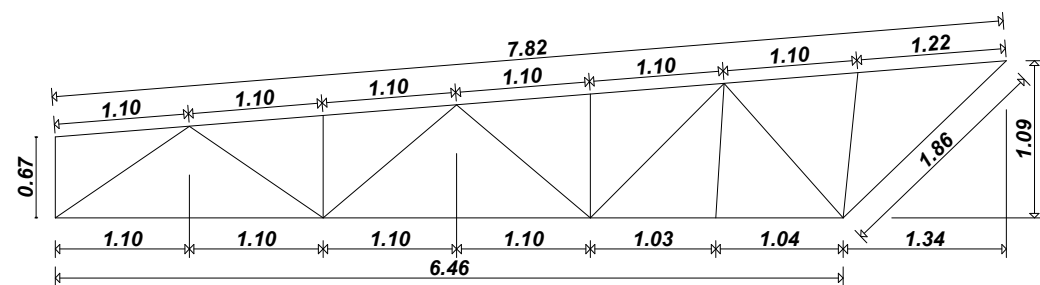


Tél.		Fax		Acier HA 500 = 2.68 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Acier HA 500 = 1.84 kg	
 POUBELLE ENABEL		Chainage de couronnement : P1 Section 15x15		Béton : BETON25 = 0.0405 m3	
				Surface du coffrage = 0.795 m2	
				Enrobage inférieur 2.5 cm	
				Enrobage supérieur 2.5 cm	
				Enrobage latéral 2.5 cm	
				Densité = 111.6 kg/ m3	
				Echelle pour la vue 1/20	
				Diamètre moyen = 6.9mm	
				Echelle pour la section 1/10	
				Page 2/2	

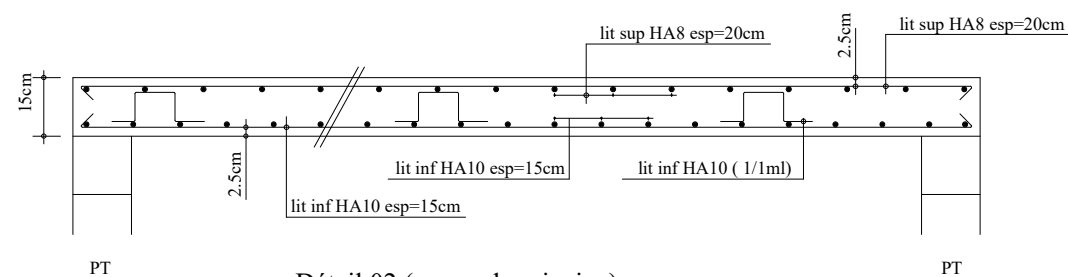
PLANCHER HAUT RDC



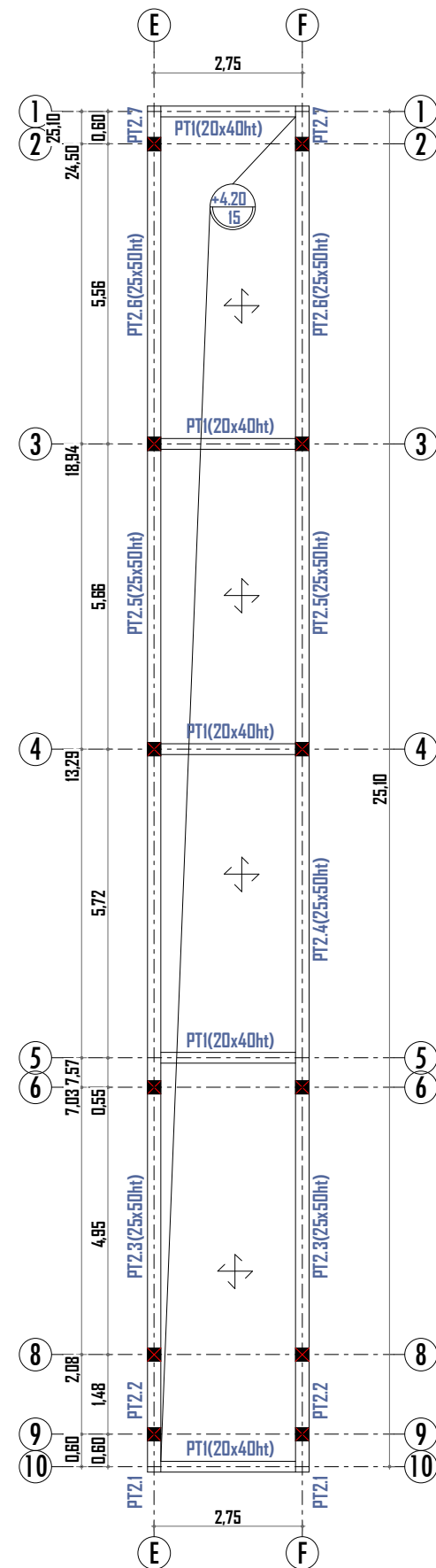
Principe de montage



shema statique ferme 01



Détail 02 (coupe de principe)



ING. ETUDE:
SAMPEBGO Sidiki
 Tél:
 (+226) 72 33 03 50/ 74 69 96 16

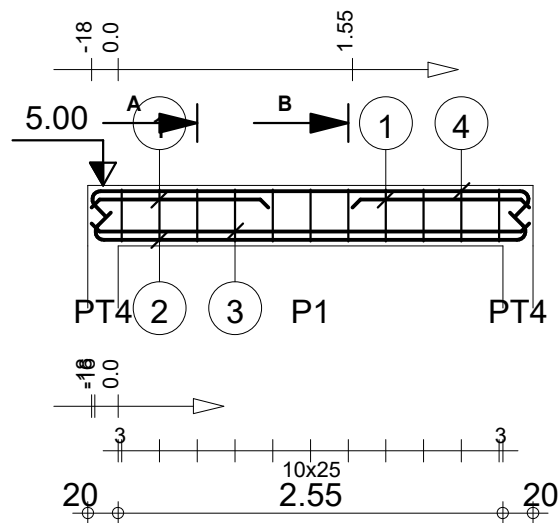
Maitre d'ouvrage:
ENABEL

Titre:
**PROJET DE CONSTRUCTIONS DES
 INFRASTRUCTURES ECONOMIQUES
 DANS LA REGION DU SUD-EST**

Titre infrastructure:
BOUCHERIE

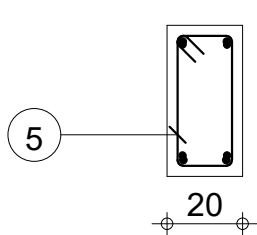
Plan de COFFRAGE et DETAILS

POUTRES

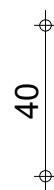
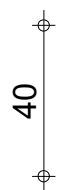
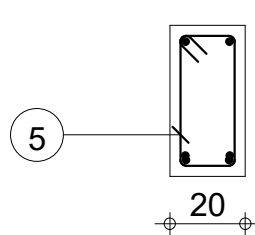


Pos.	Armature	Code	Forme
①	4HA 12 l=1.17	00	1.17
②	2HA 12 l=3.24	00	2.86
③	2HA 12 l=2.90	00	2.90
④	2HA 10 l=3.24	00	2.90
⑤	11HA 6 l=1.12	31	15/8

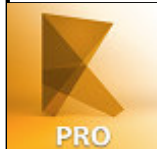
A-A



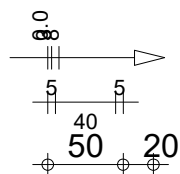
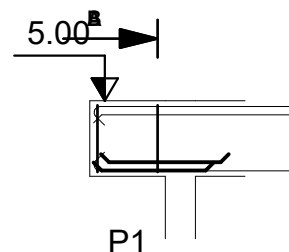
B-B



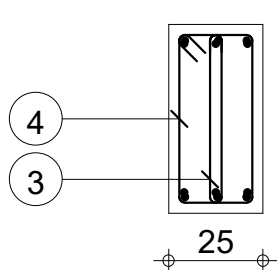
Tél.		Fax		Acier HA 400 = 19.1 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Acier HA 400 = 2.73 kg	
BOUCHERIE (Poutres)		PT1 : P1		Béton : BETON20 = 0.236 m ³	
ENABEL		Section 20x40		Surface du coffrage = 3.03 m ²	
		Nombre 1		Enrobage inférieur 2.5 cm	
				Enrobage supérieur 2.5 cm	
				Enrobage latéral 2.5 cm	
				Densité = 92.37 kg/ m ³	
				Echelle pour la vue 1/50	
				Diamètre moyen = 9.57mm	
				Echelle pour la section 1/20	
				Page 1/8	



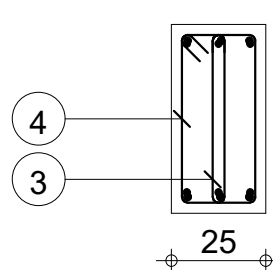
Pos.	Armature	Code	Forme
①	3HA 12 l=85	00	85
②	3HA 12 l=80	00	80
③	2HA 6 l=1.03		0.0 4.5 3
④	2HA 6 l=1.42	31	20 4.5 8



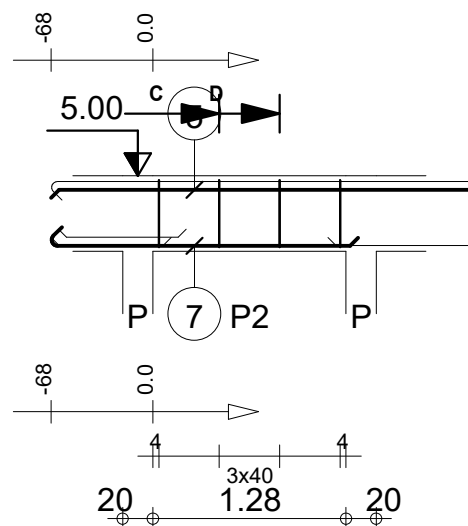
A-A



B-B

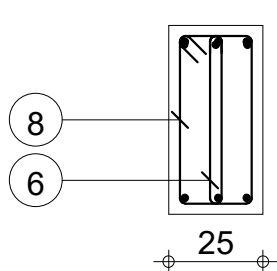


Tél.		Fax		Acier HA 400 = 4.37 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Acier HA 400 = 1.09 kg	
BOUCHERIE (Poutres)		PT2 : P1		Béton : BETON20 = 0.075 m3	
ENABEL		Section 25x50		Surface du coffrage = 0.85 m2	
		Nombre 1		Enrobage inférieur 2.5 cm Enrobage supérieur 2.5 cm	
				Enrobage latéral 2.5 cm	
				Densité = 72.8 kg/ m3	
				Echelle pour la vue 1/50	
				Echelle pour la section 1/20	
				Page 2/8	

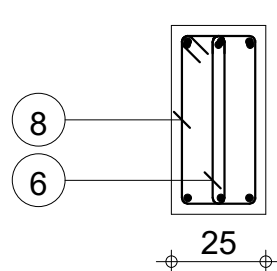


Pos.	Armature	Code	Forme
5	3HA 12 l=3.70	00	3.70
6	4HA 6 l=1.03		0.0 4.5 3
7	3HA 8 l=2.16	00	2.04
8	4HA 6 l=1.41*	31	20 4.5 8

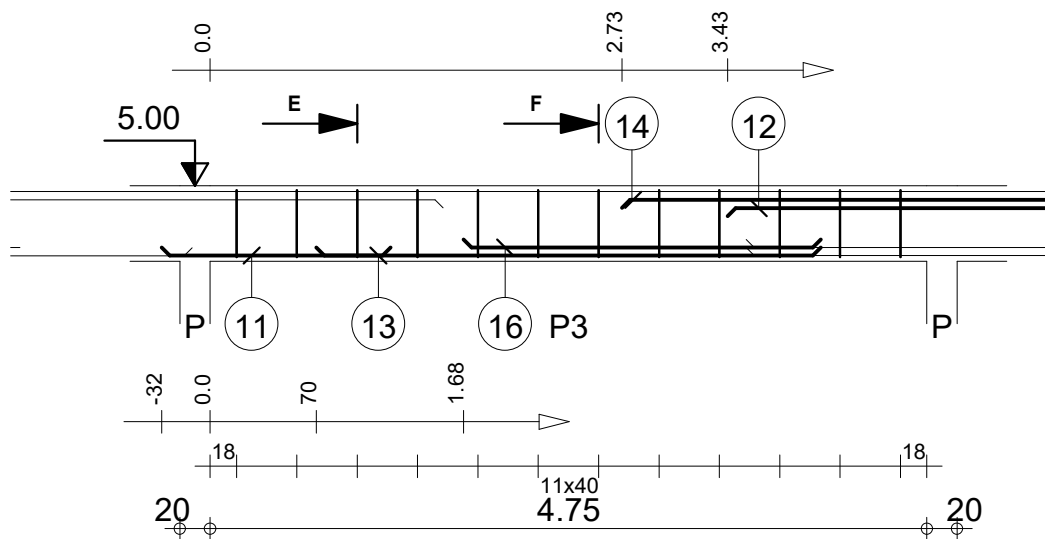
C-C



D-D

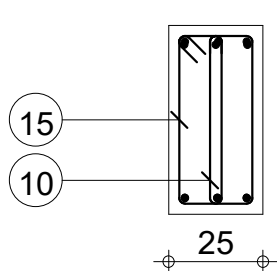


Tél.		Fax		Acier HA 400 = 12.4 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Acier HA 400 = 2.17 kg	
BOUCHERIE (Poutres)		PT2 : P2		Béton : BETON20 = 0.185 m ³	
ENABEL		Section 25x50		Surface du coffrage = 1.8 m ²	
		Nombre 1		Enrobage inférieur 2.5 cm Enrobage supérieur 2.5 cm	
				Enrobage latéral 2.5 cm	
				Densité = 78.92 kg/ m ³	
				Echelle pour la vue 1/50	
				Diamètre moyen = 8.91mm	
				Echelle pour la section 1/20	
				Page 3/8	

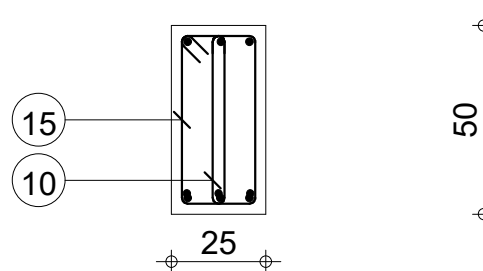


Pos.	Armature	Code	Forme
10	12HA 6	l=1.03	
11	3HA 12	l=1.52	00
12	3HA 12	l=2.76	00
13	3HA 12	l=3.34	00
14	3HA 12	l=4.16	00
15	12HA 6	l=1.42	31
16	3HA 12	l=2.37	00

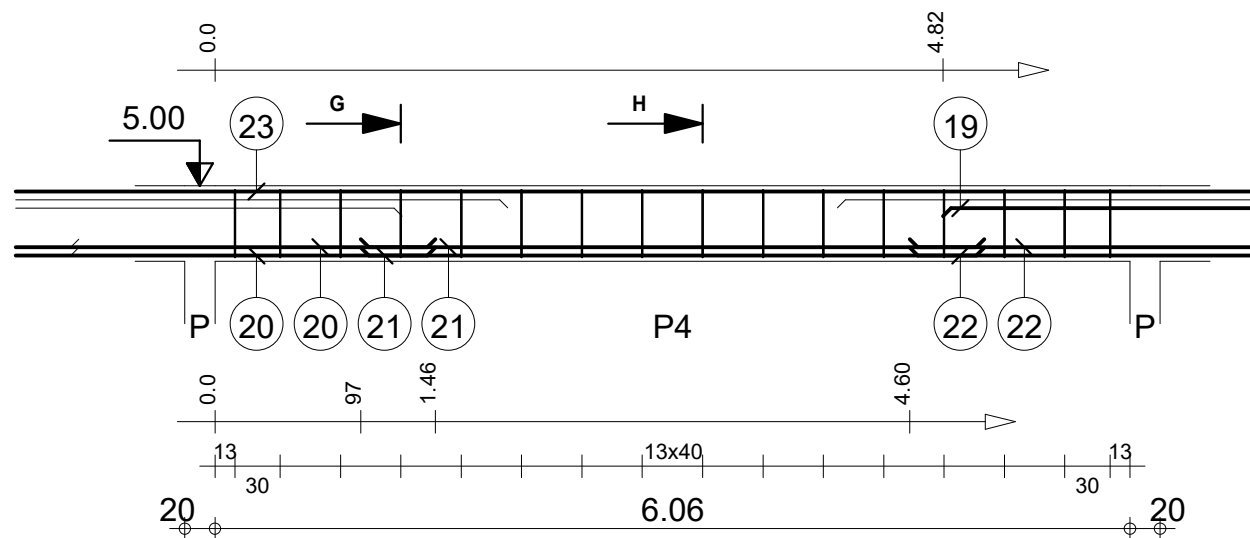
E-E



F-F

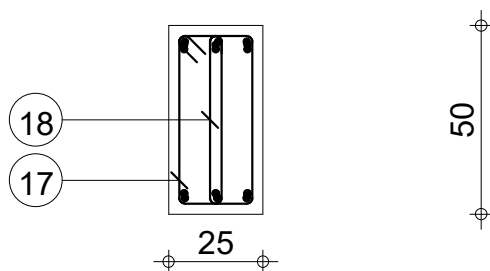


Tél.		Fax		Acier HA 400 = 37.7 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Acier HA 400 = 6.53 kg	
BOUCHERIE (Poutres)		PT2 : P3		Béton : BETON20 = 0.619 m ³	
ENABEL		Section 25x50		Surface du coffrage = 6.14 m ²	
		Nombre 1		Enrobage inférieur 2.5 cm	
				Enrobage supérieur 2.5 cm	
				Enrobage latéral 2.5 cm	
				Densité = 71.41 kg/ m ³	
				Echelle pour la vue 1/50	
				Echelle pour la section 1/20	
				Page 4/8	

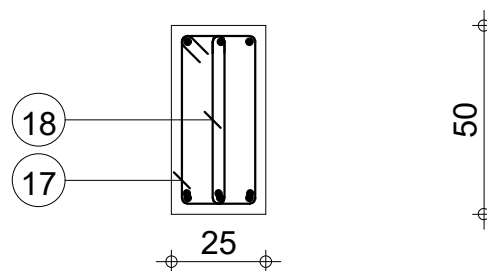


Pos.	Armature	Code	Forme
17	16HA 6 l=1.42	31	
18	16HA 6 l=1.03		
19	3HA 12 l=2.63	00	
20	6HA 12 l=2.86	00	
21	6HA 12 l=4.13	00	
22	6HA 12 l=2.99	00	
23	3HA 8 l=25.31	00	

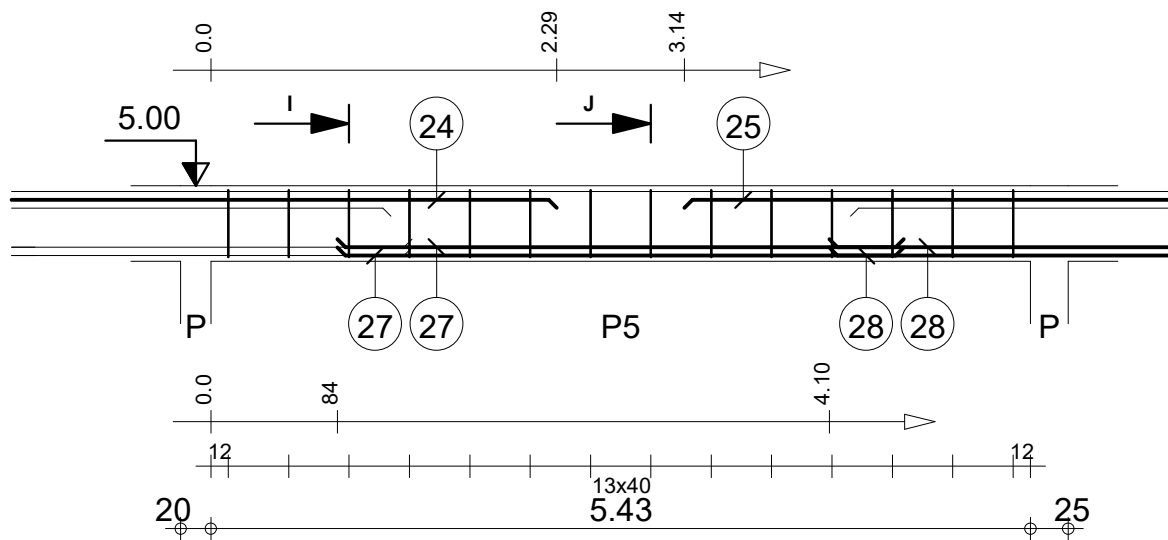
G-G



H-H

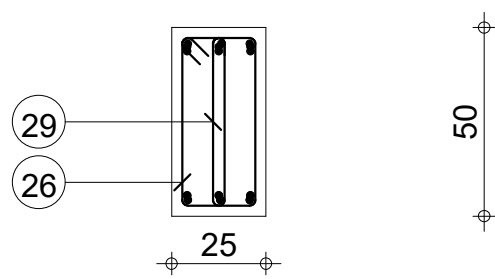


Tél.		Fax		Acier HA 400 = 90.1 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Acier HA 400 = 8.7 kg	
BOUCHERIE (Poutres)		PT2 : P4		Béton : BETON20 = 0.783 m ³	
ENABEL		Section 25x50		Surface du coffrage = 7.78 m ²	
		Nombre 1		Enrobage inférieur 2.5 cm	
				Enrobage supérieur 2.5 cm	
				Enrobage latéral 2.5 cm	
				Densité = 126.2 kg/ m ³	
				Echelle pour la vue 1/50	
				Echelle pour la section 1/20	
				Page 5/8	

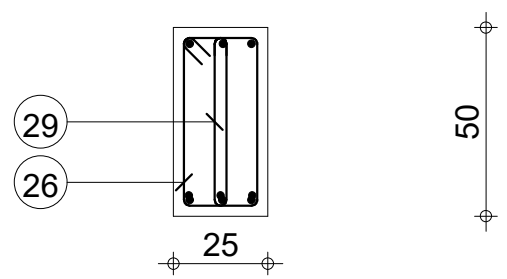


Pos.	Armature	Code	Forme
24	3HA 12 l=4.43	00	4.43
25	3HA 12 l=4.26	00	4.26
26	14HA 6 l=1.42	31	20 45 8
27	6HA 12 l=3.75	00	3.75
28	6HA 12 l=2.90	00	2.90
29	14HA 6 l=1.03		0.0 45 3

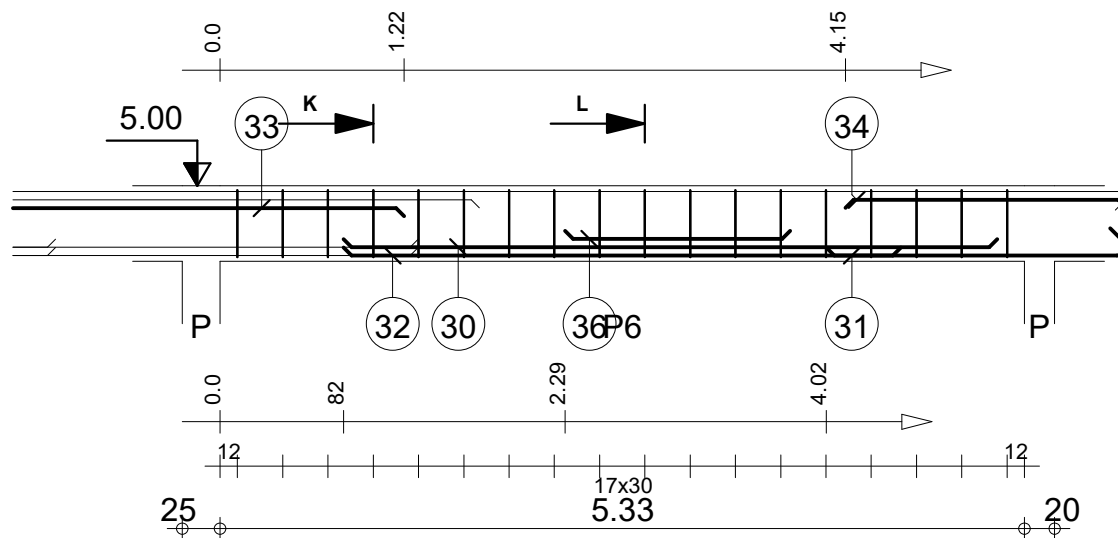
I-I



J-J

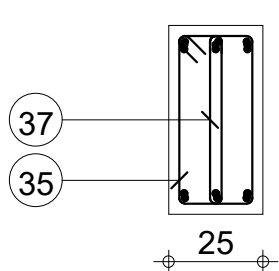


Tél.		Fax		Acier HA 400 = 58.6 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Acier HA 400 = 7.61 kg	
BOUCHERIE (Poutres)		PT2 : P5		Béton : BETON20 = 0.707 m ³	
ENABEL		Section 25x50		Surface du coffrage = 7.01 m ²	
		Nombre 1		Enrobage inférieur 2.5 cm	
				Enrobage supérieur 2.5 cm	
				Enrobage latéral 2.5 cm	
				Densité = 93.64 kg/ m ³	
				Echelle pour la vue 1/50	
				Echelle pour la section 1/20	
				Page 6/8	

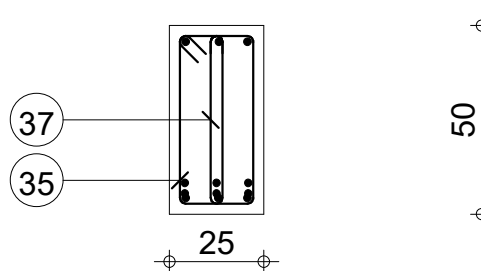


Pos.	Armature	Code	Forme
30	3HA 12 l=4.33	00	4.33
31	3HA 12 l=2.18	00	1.99
32	3HA 12 l=3.69	00	3.69
33	3HA 12 l=2.66	00	2.66
34	3HA 12 l=1.86	00	1.86
35	18HA 6 l=1.42	31	20 45 8
36	3HA 12 l=1.49	00	1.49
37	18HA 6 l=1.03		0.0 45 3

K-K

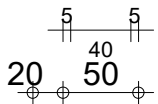
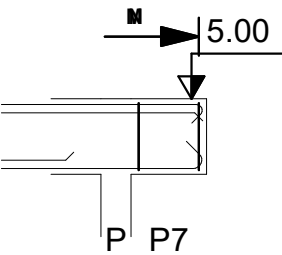


L-L

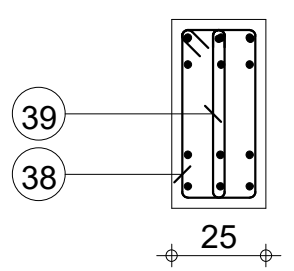


Tél.		Fax		Acier HA 400 = 43.2 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Acier HA 400 = 9.79 kg	
BOUCHERIE (Poutres)		PT2 : P6		Béton : BETON20 = 0.694 m ³	
ENABEL		Section 25x50		Surface du coffrage = 6.89 m ²	
		Nombre 1		Enrobage inférieur 2.5 cm	
				Enrobage supérieur 2.5 cm	
				Enrobage latéral 2.5 cm	
				Densité = 76.37 kg/ m ³	
				Echelle pour la vue 1/50	
				Diamètre moyen = 9.15mm	
				Echelle pour la section 1/20	
				Page 7/8	

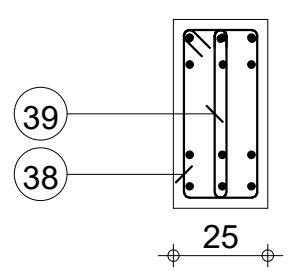
Pos.	Armature	Code	Forme
38	2HA 6 l=1.42	31	
39	2HA 6 l=1.03		



M-M



N-N



Tél.		Fax		Béton : BETON20 = 0.075 m ³		Acier HA 400 = 1.09 kg	
Tenue au feu 1/2h		Fissuration peu préjudiciable		Reprise de bétonnage : Non		Surface du coffrage = 0.85 m ²	
		PT2 : P7 Section 25x50		Nombre 1		Enrobage inférieur 2.5 cm	
						Enrobage supérieur 2.5 cm	
				Densité = 14.53 kg/ m ³		Echelle pour la vue 1/50	
				Diamètre moyen = 6mm		Echelle pour la section 1/20	
						Page 8/8	