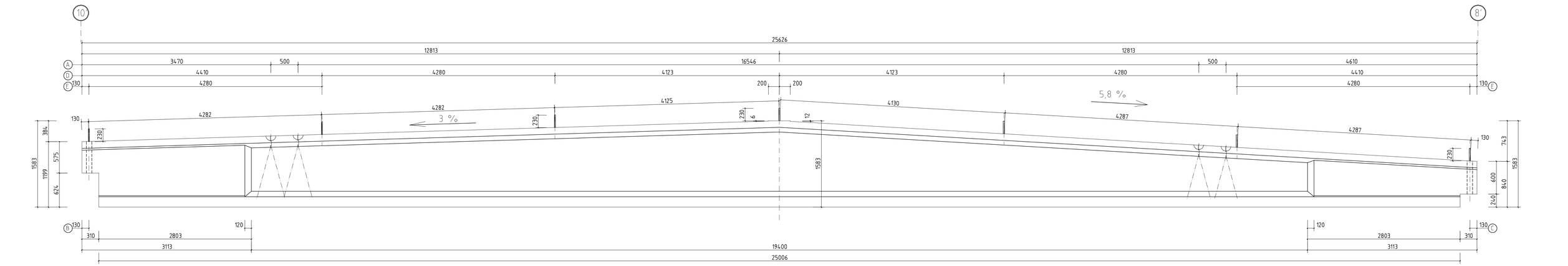
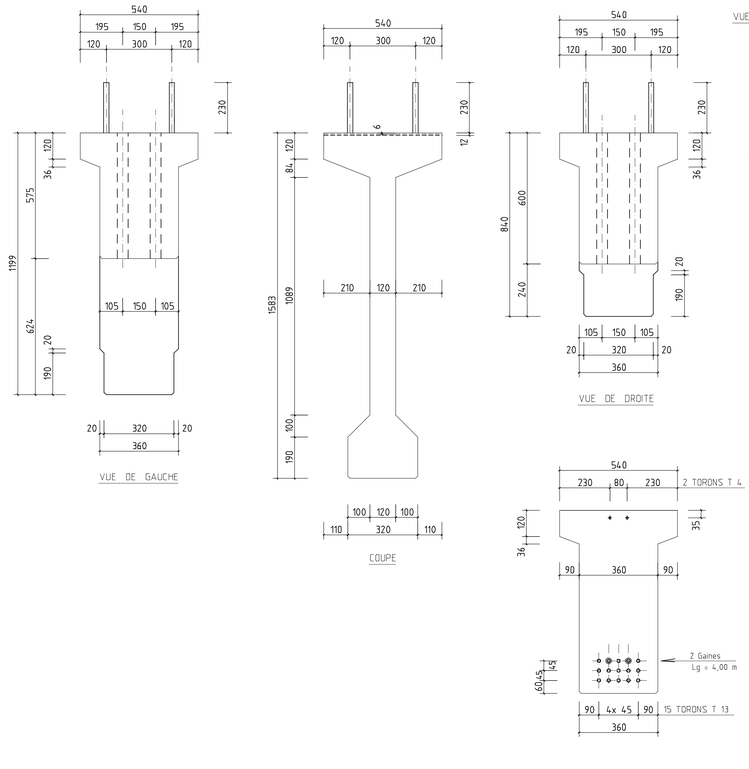
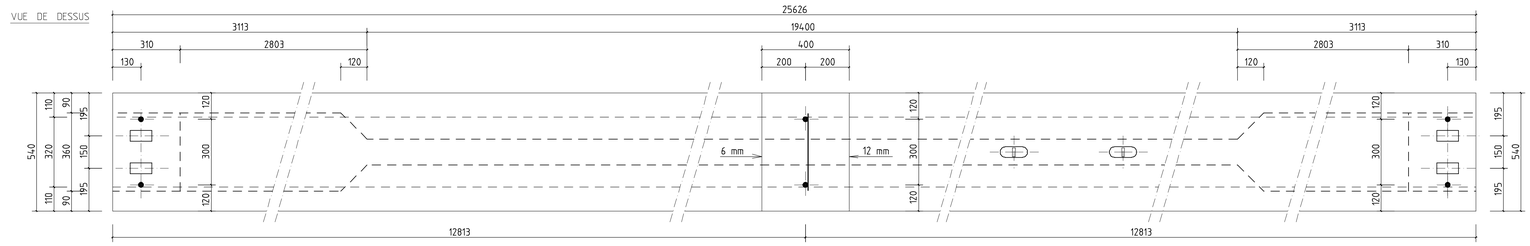
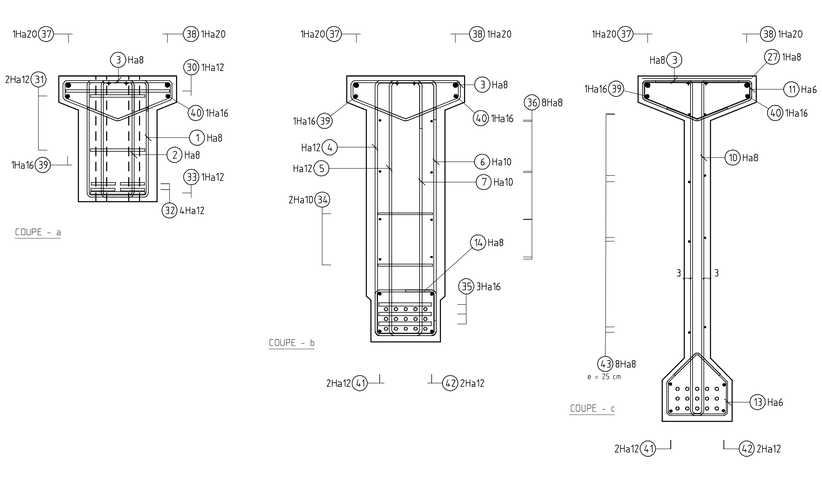


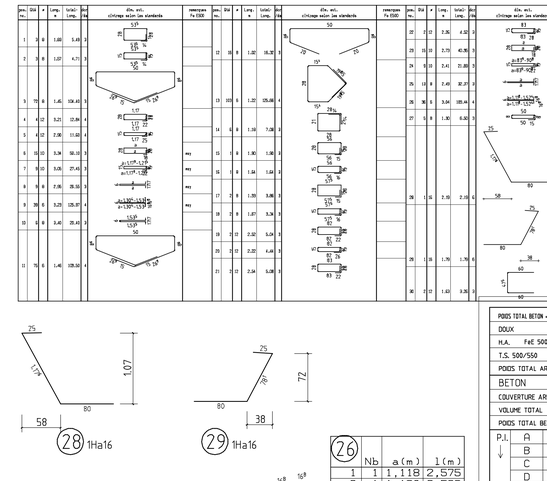




Acier à haute adhérence	TORONS T 13	S = 0,93 cm²
Nature	-	T 13
Nombre de fils	-	15
Force par fil	KN	14.6
Pression par vérin	atm	343
Allongement Total:0 à 50 at.	cm	43.8
: 50 à.....	cm	
Résistance du béton à la détente	MPa	40

Contreflèche à la détension : 26 mm





POIDS TOTAL BETON + ARMATURES	ST. 1570/1770	
DOUX	ST. I	0.0
H.A. FeE 500	ST. IV S	788.1
T.S. 500/550	ST. IV M	0.0
POIDS TOTAL ARMATURES		
BETON	C	45/55
COUVERTURE ARMATURES	cm	4-3-2
VOLUME TOTAL	m³	7.86
POIDS TOTAL BETON + ARMATURES	T	19.65

P.I.			
SERRURERIE	A	Frimeda 7,5To	4 x
	B	Tube Acier 100/50 ...580 mm	2 x
	C	Tube Acier 100/50 ...607 mm	2 x
	D	Réf. 002	5 x
	E	Broche HA 20 ...0,70 m	4 x
	F		

FINITION DES PIECES — ETAT DES SURFACES / BETONOBERFLÄCHE FERTIGUNGSGRAD

- LISSE : FOND DE COFFRAGE / SCHALBODEN
- LISSE / GLÄTTET
- RUGUEUX / RAUH
- TIRE A LA REGLE / ABGEZOGEN
- BETON LAVE ou DESACTIVE / WASCHBETON
- SURFACE ROULEE / GERÖLLT
- MOSAIQUE / MOSAIK
- SAN / SANDESTRAHLT

BON POUR COFFRAGE / ARMATURES / BETONNAGE

INDICE	DATE	MODIFICATIONS	NOM	DATE	US.	MO.	T.C.E.	AUTRES DESTINATAIRES
f								
e								
d								
c								
b								
a								

CLIENT :

PROJET : HALL

LIEU :

ECHELLES 1/25

DESSINE PAR LE Martin 01.10.03

CONTROLE : COFFRAGE / ARMATURE / LEVAGE

POUTRE

PROFIL ET NUMEROS DE POSITION 25.62°/1/3 %/1.58°/32/12/51/19/12 21100

SYSPAR

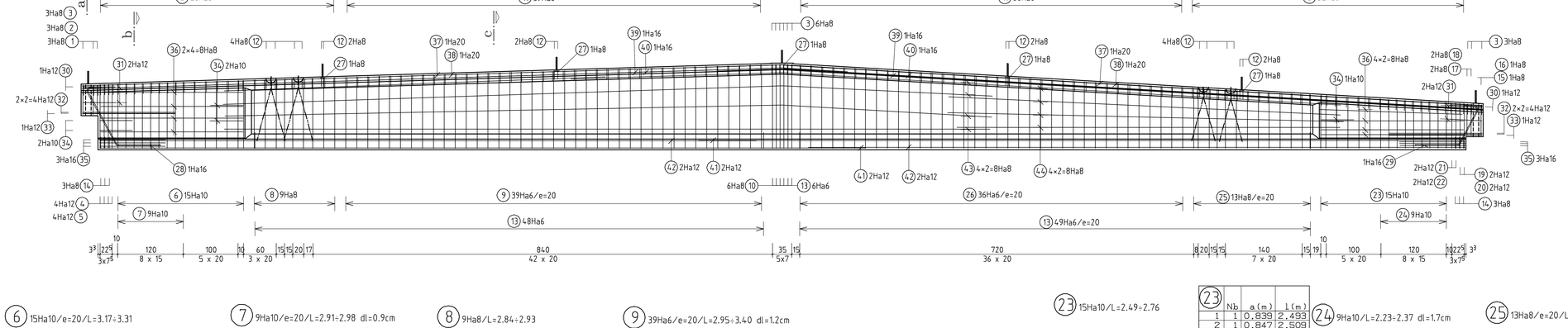
AFFAIRE N° 35965

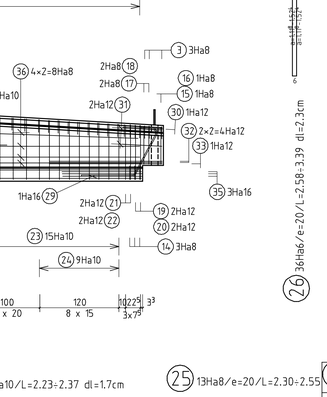
REGISTRE N° 1357

PLAN N° 126

INDICE

REPRODUCTION ET DIFFUSION INTERDITES SANS AUTORISATION PREALABLE





26	Nb	a (m)	l (m)
1	1	1,118	2,575
2	1	1,130	2,599
3	1	1,141	2,621
4	1	1,153	2,645
5	1	1,165	2,669
6	1	1,176	2,691
7	1	1,188	2,715
8	1	1,199	2,737
9	1	1,211	2,761
10	1	1,223	2,785
11	1	1,234	2,807
12	1	1,246	2,831
13	1	1,257	2,853
14	1	1,269	2,877
15	1	1,281	2,901
16	1	1,292	2,923
17	1	1,304	2,947
18	1	1,315	2,969
19	1	1,327	2,993
20	1	1,338	3,015
21	1	1,350	3,039
22	1	1,362	3,063
23	1	1,373	3,085
24	1	1,385	3,109
25	1	1,396	3,131
26	1	1,408	3,155
27	1	1,420	3,179
28	1	1,431	3,201
29	1	1,443	3,225
30	1	1,454	3,247
31	1	1,466	3,271
32	1	1,478	3,295
33	1	1,489	3,317
34	1	1,501	3,341
35	1	1,512	3,363
36	1	1,524	3,387

6 15Ha10/e=20/L=3.17÷3.31

6	Nb	a (m)	l (m)
1	2	1,179	3,173
3	2	1,188	3,191
5	2	1,197	3,209
7	2	1,206	3,227
9	1	1,215	3,245
10	1	1,221	3,257
11	1	1,227	3,269
12	1	1,233	3,281
13	1	1,239	3,293
14	2	1,245	3,305

7 9Ha10/e=20/L=2.91÷2.98 dl=0.9cm

7	Nb	a (m)	l (m)
1	2	1,179	2,841
2	1	1,260	2,853
3	2	1,266	2,865
5	1	1,275	2,883
6	1	1,281	2,895
7	1	1,286	2,905
8	1	1,292	2,917
9	1	1,298	2,929

8 9Ha8/L=2.84÷2.93

8	Nb	a (m)	l (m)
1	1	1,254	2,913
2	1	1,260	2,853
3	2	1,266	2,865
5	1	1,275	2,883
6	1	1,281	2,895
7	1	1,286	2,905
8	1	1,292	2,917
9	1	1,298	2,929

9 39Ha6/e=20/L=2.95÷3.40 dl=1.2cm

9	Nb	a (m)	l (m)		Nb	a (m)	l (m)		Nb	a (m)	l (m)		Nb	a (m)	l (m)
1	1	1,304	2,947	11	1	1,364	3,067	21	1	1,424	3,187	31	1	1,484	3,307
2	1	1,310	2,959	12	1	1,370	3,079	22	1	1,430	3,199	32	1	1,490	3,319
3	1	1,316	2,971	13	1	1,376	3,091	23	1	1,436	3,211	33	1	1,496	3,331
4	1	1,322	2,983	14	1	1,382	3,103	24	1	1,442	3,223	34	1	1,502	3,343
5	1	1,328	2,995	15	1	1,388	3,115	25	1	1,448	3,235	35	1	1,508	3,355
6	1	1,334	3,007	16	1	1,394	3,127	26	1	1,454	3,247	36	1	1,514	3,367
7	1	1,340	3,019	17	1	1,400	3,139	27	1	1,460	3,259	37	1	1,520	3,379
8	1	1,346	3,031	18	1	1,406	3,151	28	1	1,466	3,271	38	1	1,526	3,391
9	1	1,352	3,043	19	1	1,412	3,163	29	1	1,472	3,283	39	1	1,532	3,403
10	1	1,358	3,055	20	1	1,418	3,175	30	1	1,478	3,295				

23 15Ha10/L=2.49÷2.76

23	Nb	a (m)	l (m)
1	1	0,839	2,493
2	1	0,847	2,509
3	1	0,856	2,527
4	1	0,865	2,545
5	1	0,873	2,561
6	1	0,882	2,579
7	1	0,891	2,597
8	1	0,900	2,615
9	1	0,908	2,631
10	1	0,920	2,655
11	1	0,931	2,677
12	1	0,943	2,701
13	1	0,955	2,725
14	1	0,966	2,747
15	1	0,972	2,759

24 9Ha10/L=2.23÷2.37 dl=1.7cm

24	Nb	a (m)	l (m)
1	1	0,839	2,233
2	1	0,847	2,249
3	1	0,856	2,267
4	1	0,865	2,285
5	1	0,873	2,301
6	1	0,882	2,319
7	1	0,891	2,337
8	1	0,900	2,355
9	1	0,908	2,371

25 13Ha8/e=20/L=2.30÷2.55

25	Nb	a (m)	l (m)
1	1	0,983	2,299
2	1	0,992	2,317
3	1	1,003	2,339
4	1	1,015	2,363
5	1	1,026	2,385
6	1	1,038	2,409
7	1	1,050	2,433
8	1	1,061	2,455
9	1	1,073	2,479
10	1	1,082	2,497
11	1	1,090	2,513
12	2	1,102	2,537