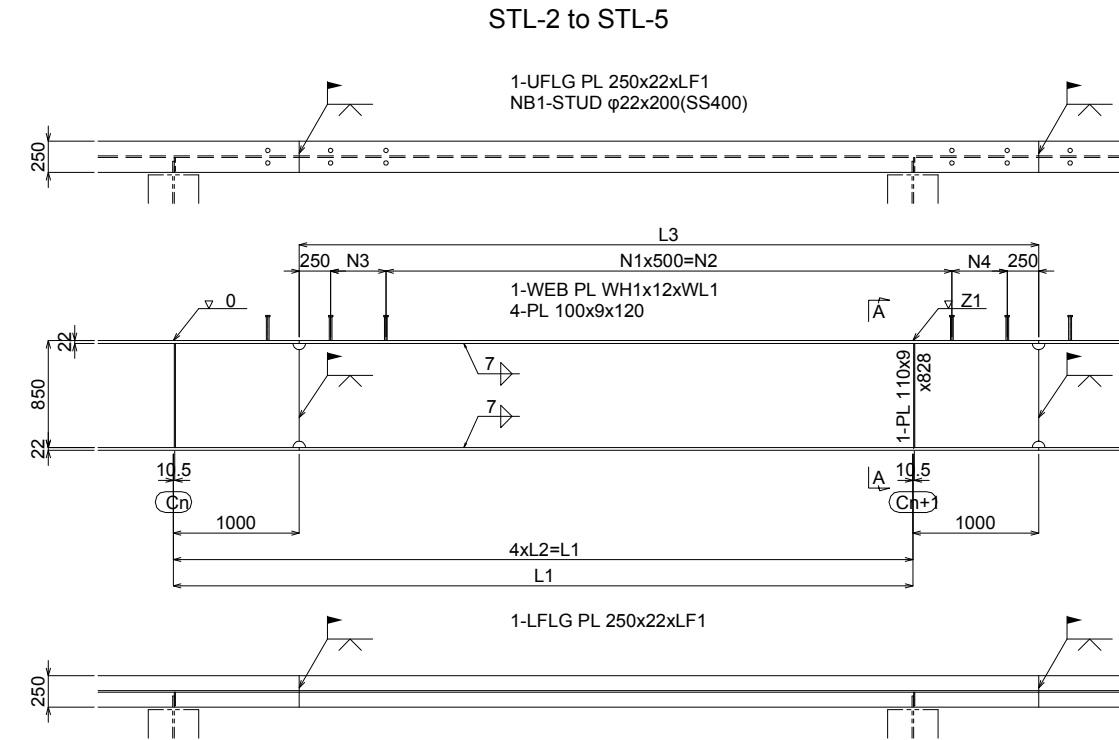
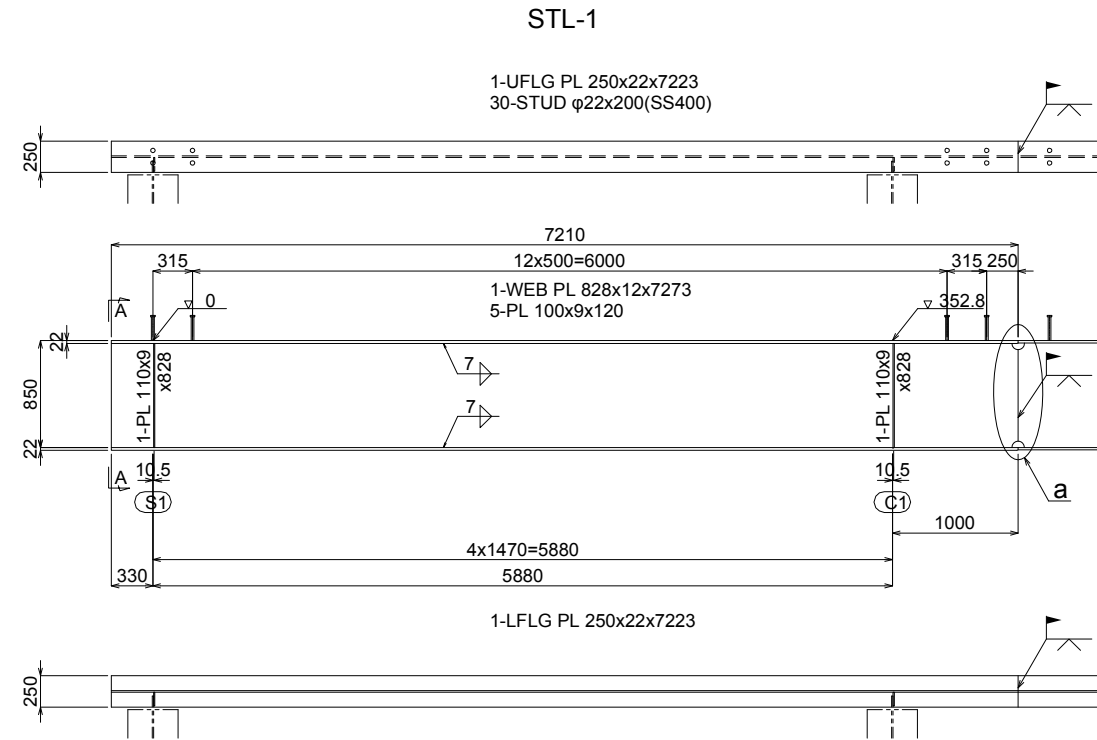
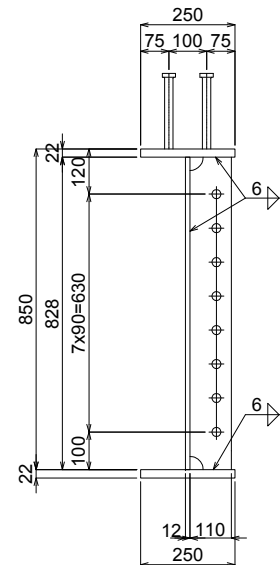


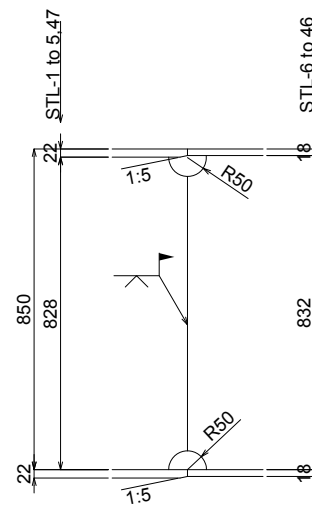
STL(1/3) A1 1:30, A3 1:60



A-A A1 1:10, A3 1:20



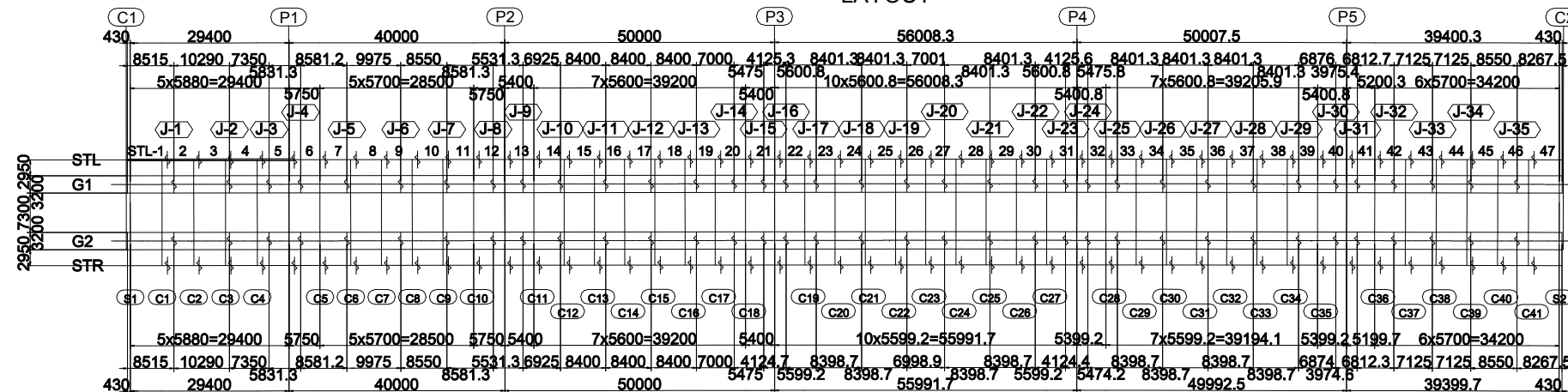
"a"DETAIL A1 1:10, A3 1:20



NOTES

1. All materials shall be SM400A unless otherwise noted.
2. Scallop shall be 35R unless otherwise noted.
3. φ shows "Twist-off-type tension control bolts" M22(S10T)
4. Refer to the Side girder(3/6) for the dimensional table.

LAYOUT



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



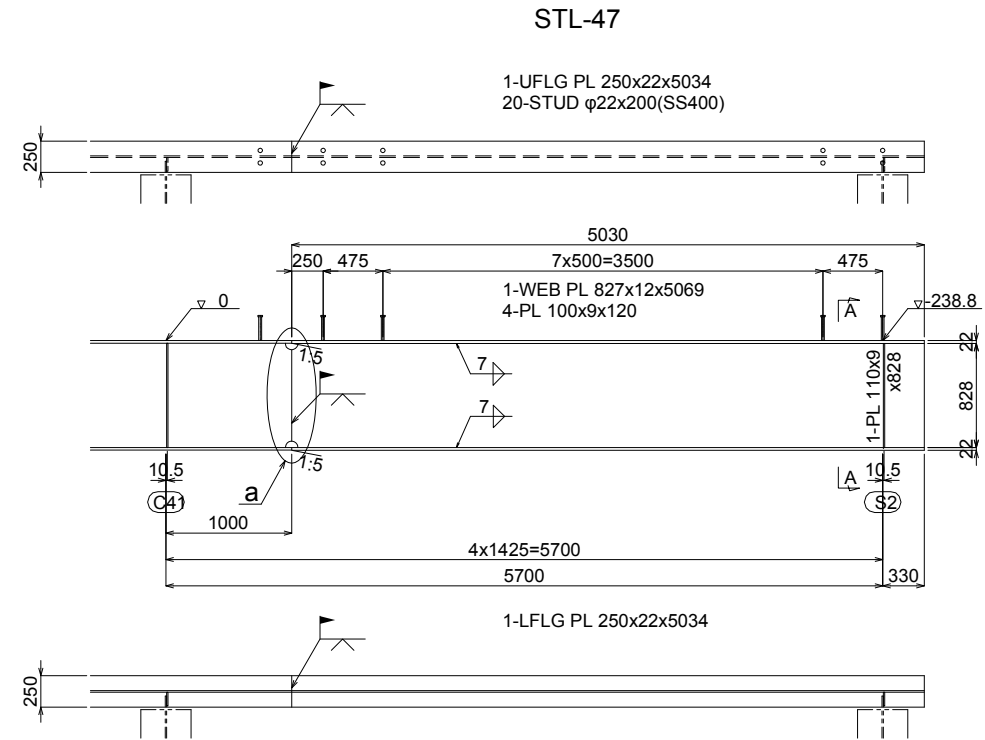
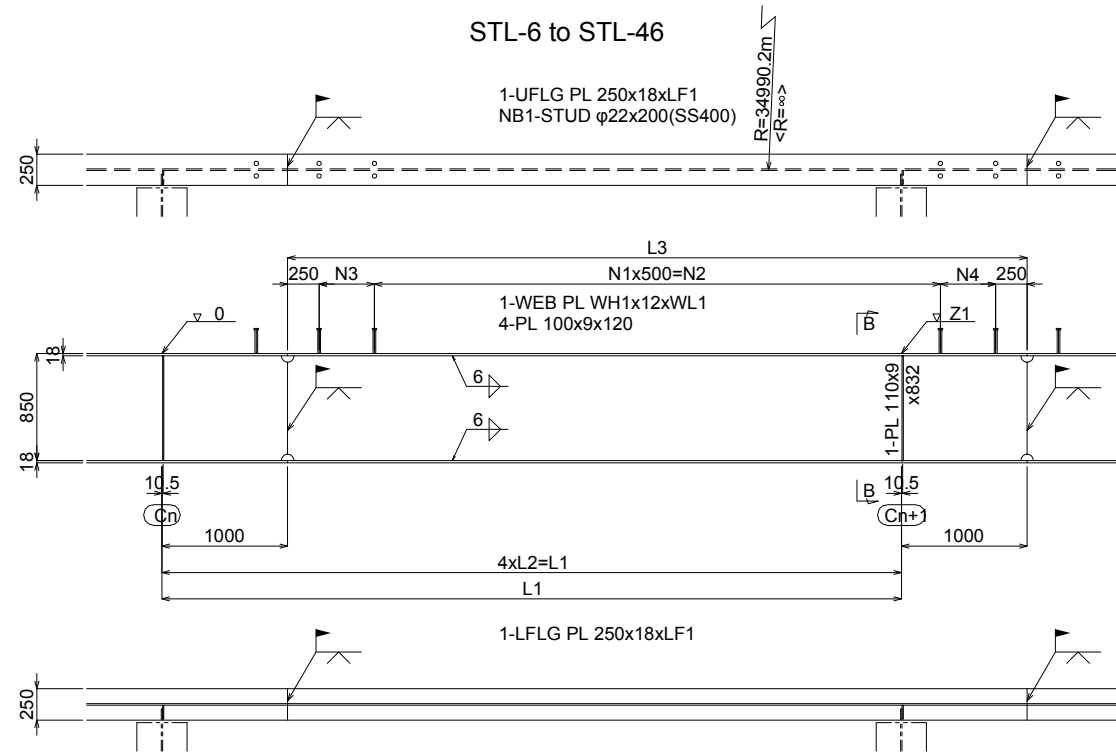
INGÉROSEC CORPORATION

PALMERAIE
LONGERON (1)
SIDE STRINGER (1)

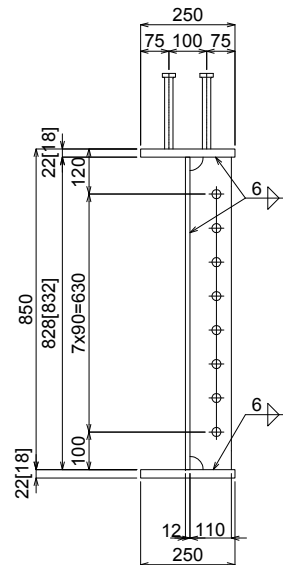
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Format	Fichier / File	Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
A3		OCG, ISEC	BFM	PONT	DESSINS	H-PA-TA-084	A

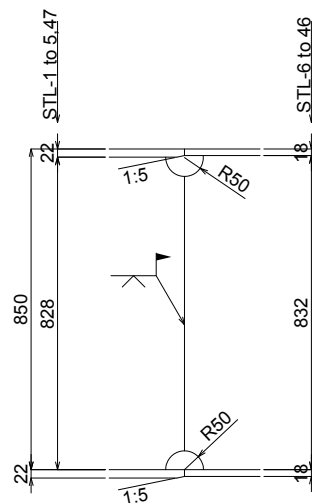
STL(2/3) A1 1:30, A3 1:60



A-A[B-B] A1 1:10, A3 1:20



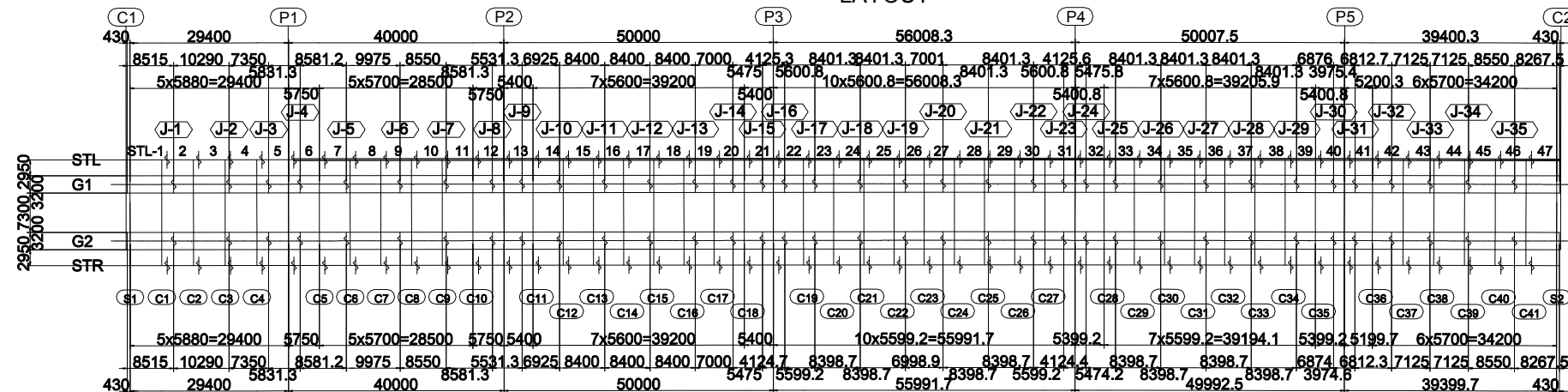
"a"DETAIL A1 1:10, A3 1:20



NOTES

1. All materials shall be SM400A unless otherwise noted.
2. Scallop shall be 35R unless otherwise noted.
3. φ shows "Twist-off-type tension control bolts" M22(S10T)
4. Refer to the Side girder(3/6) for the dimensional table.
5. < > Internal dimensions indicate STL-1to21,42to47.

LAYOUT



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
LONGERON (2)
SIDE STRINGER (2)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier / File
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity
OCG, ISEC	BFM	PONT
		Type de document / Type of document
		DESSINS
		N° / No.
		H-PA-TA-085
		Indice / Index
		A

STL(3/3)

	STL-2	STL-3	STL-4	STL-5	STL-6	STL-7	STL-8	STL-9	STL-10	STL-11	STL-12	STL-13	STL-14	STL-15	STL-16
Cn	C1	C2	C3	C4	P1	C5	C6	C7	C8	C9	C10	P2	C11	C12	C13
Cn+1	C2	C3	C4	P1	C5	C6	C7	C8	C9	C10	P2	C11	C12	C13	C14
L1	5880	5880	5880	5880	5750	5700	5700	5700	5700	5700	5750	5400	5600	5600	5600
L2	1470	1470	1470	1470	1437.5	1425	1425	1425	1425	1425	1437.5	1350	1400	1400	1400
L3	5880	5880	5880	5880	5750	5700	5700	5700	5700	5700	5750	5400	5600	5600	5600
Z	352.8	352.8	352.8	352.8	345	342	342	342	342	342	345	324	336	336	336
BF1	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
LF1	5891	5891	5891	5891	5760	5710	5710	5710	5710	5710	5760	5410	5610	5610	5610
WH1	827	827	827	827	831	831	831	831	831	831	831	831	831	831	831
WL1	5940	5940	5940	5940	5810	5760	5760	5760	5760	5760	5810	5460	5660	5660	5660
N1	9	9	9	9	9	9	9	9	9	9	9	8	9	9	9
N2	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4000	4500	4500	4500
N3	440	440	440	440	375	350	350	350	350	350	375	450	300	300	300
N4	440	440	440	440	375	350	350	350	350	350	375	450	300	300	300
NB1	24	24	24	24	24	24	24	24	24	24	24	22	24	24	24

	STL-17	STL-18	STL-19	STL-20	STL-21	STL-22	STL-23	STL-24	STL-25	STL-26	STL-27	STL-28	STL-29	STL-30	STL-31
Cn	C14	C15	C16	C17	C18	P3	C19	C20	C21	C22	C23	C24	C25	C26	C27
Cn+1	C15	C16	C17	C18	P3	C19	C20	C21	C22	C23	C24	C25	C26	C27	P4
L1	5600	5600	5600	5600	5400	5601.4	5601.6	5601.6	5601.6	5601.6	5601.6	5601.6	5601.6	5601.6	5601.6
L2	1400	1400	1400	1400	1350	1400.35	1400.4	1400.4	1400.4	1400.4	1400.4	1400.4	1400.4	1400.4	1400.4
L3	5600	5600	5600	5600	5400	5601.4	5601.6	5601.6	5601.6	5601.6	5601.6	5601.6	5601.6	5601.6	5601.6
Z	336	336	335.3	320.2	289.2	279.7	259.1	238.5	217.9	197.3	176.7	156	135.4	114.8	94.2
BF1	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
LF1	5610	5610	5610	5609	5408	5608	5608	5607	5606	5605	5604	5604	5603	5603	5602
WH1	831	831	831	831	831	831	831	831	831	831	832	832	832	832	832
WL1	5660	5660	5660	5657	5452	5650	5646	5642	5638	5634	5631	5627	5623	5620	5616
N1	9	9	9	9	8	9	9	9	9	9	9	9	9	9	9
N2	4500	4500	4500	4500	4000	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
N3	300	300	300	300	450	300.7	300.8	300.8	300.8	300.8	300.8	300.8	300.8	300.8	300.8
N4	300	300	300	300	450	300.7	300.8	300.8	300.8	300.8	300.8	300.8	300.8	300.8	300.8
NB1	24	24	24	24	22	24	24	24	24	24	24	24	24	24	24

	STL-32	STL-33	STL-34	STL-35	STL-36	STL-37	STL-38	STL-39	STL-40	STL-41	STL-42	STL-43	STL-44	STL-45	STL-46
Cn	P4	C28	C29	C30	C31	C32	C33	C34	C35	P5	C36	C37	C38	C39	C40
Cn+1	C28	C29	C30	C31	C32	C33	C34	C35	P5	C36	C37	C38	C39	C40	C41
L1	5401.5	5601.6	5601.6	5601.6	5601.6	5601.6	5601.6	5601.6	5401.5	5200.6	5700	5700	5700	5700	5700
L2	1350.375	1400.4	1400.4	1400.4	1400.4	1400.4	1400.4	1400.4	1350.375	1300.15	1425	1425	1425	1425	1425
L3	5401.5	5601.6	5601.6	5601.6	5601.6	5601.6	5601.6	5601.6	5401.5	5200.6	5700	5700	5700	5700	5700
Z	71.3	53.7	33.1	12.5	-8.1	-28.7	-49.3	-69.9	-86.9	-101.8	-132	-153.4	-174.7	-196.1	-217.4
BF1	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
LF1	5402	5602	5602	5602	5602	5602	5602	5602	5402	5202	5702	5702	5703	5703	5704
WH1	832	832	832	832	832	832	832	832	832	832	832	832	832	832	831
WL1	5413	5610	5607	5603	5603	5606	5609	5612	5416	5218	5721	5724	5728	5732	5736
N1	8	9	9	9	9	9	9	9	8	8	9	9	9	9	9
N2	4000	4500	4500	4500	4500	4500	4500	4500	4000	4000	4500	4500	4500	4500	4500
N3	450.75	300.8	300.8	300.8	300.8	300.8	300.8	300.8	450.75	350.3	350	350	350	350	350
N4	450.75	300.8	300.8	300.8	300.8	300.8	300.8	300.8	450.75	350.3	350	350	350	350	350
NB1	22	24	24	24	24	24	24	24	22	22	24	24	24	24	24

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



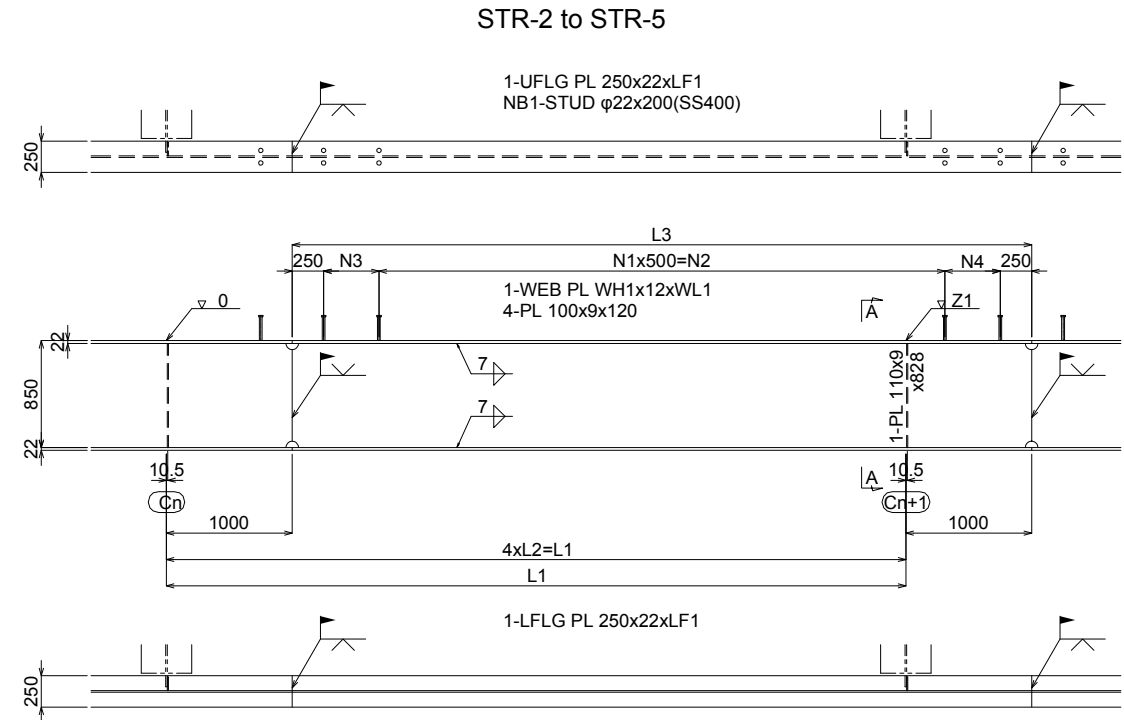
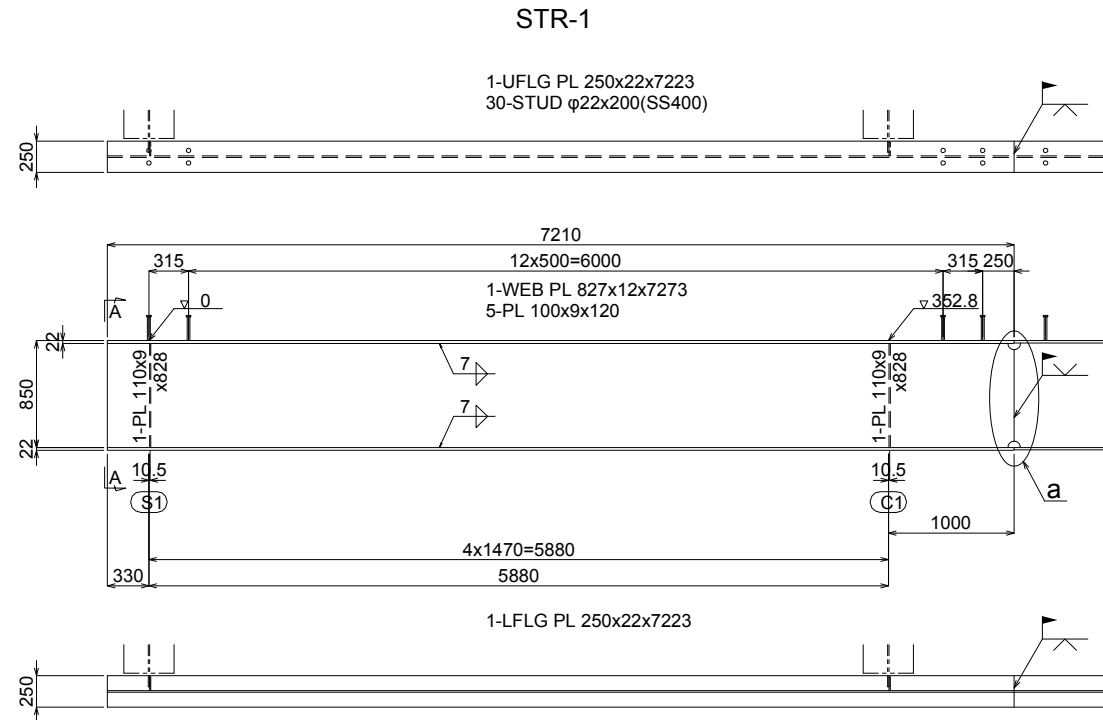
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
INGÉROSEC CORPORATION

**PALMERAIE
LONGERON (3)
SIDE STRINGER (3)**

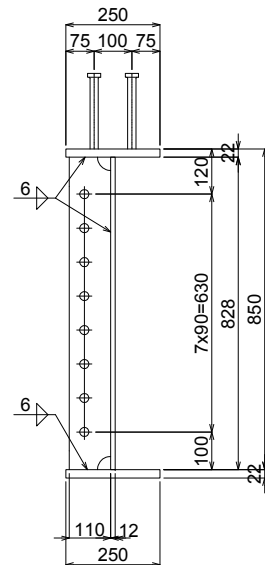
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier/ File :	
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document
OCG, ISEC	BFM	PONT	DESSINS
			N° / No.
			H-PA-TA-086
			Indice / Index
			A

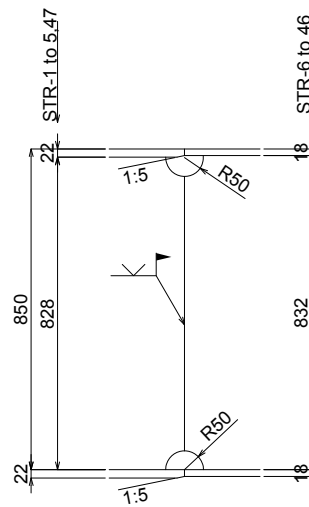
STR(1/3) A1 1:30, A3 1:60



A-A A1 1:10, A3 1:20



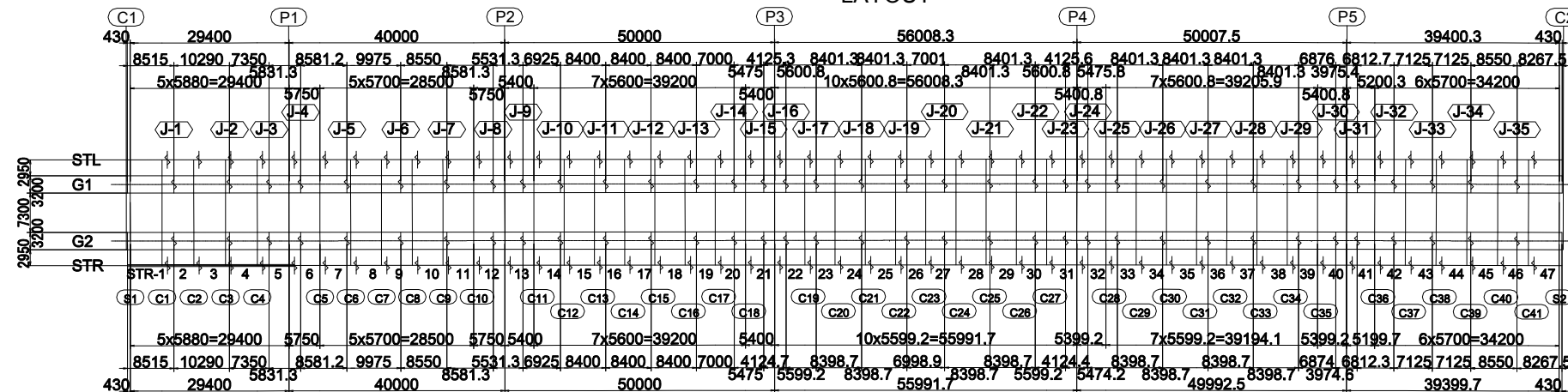
"a"DETAIL A1 1:10, A3 1:20



NOTES

1. All materials shall be SM400A unless otherwise noted.
2. Scallop shall be 35R unless otherwise noted.
3. φ shows "Twist-off-type tension control bolts" M22(S10T)
4. Refer to the Side girder(6/6) for the dimensional table.

LAYOUT



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



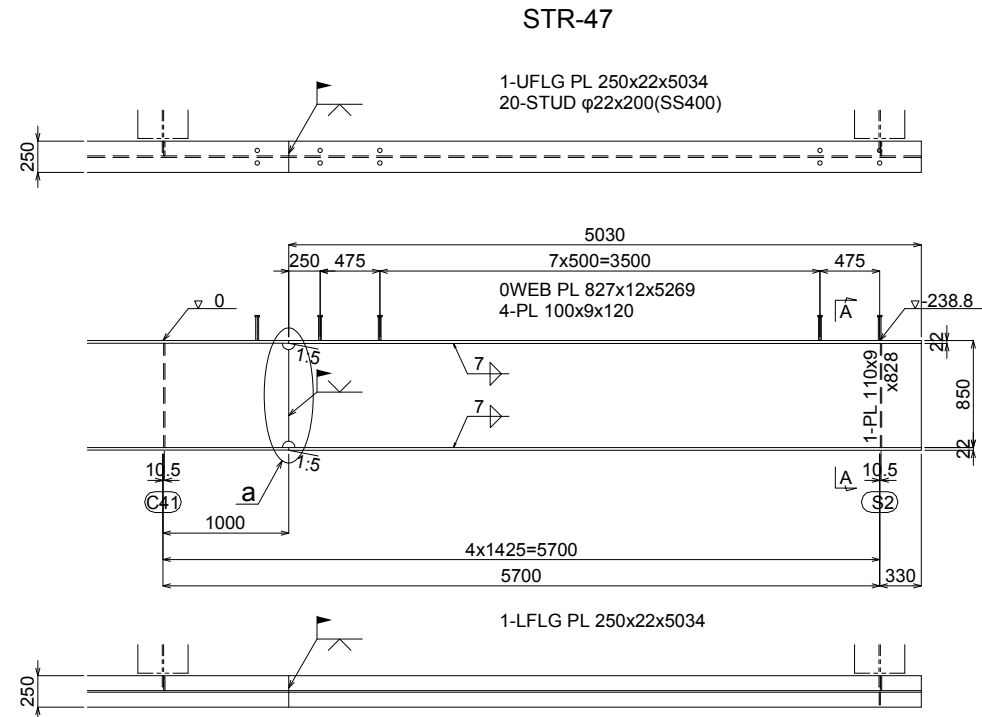
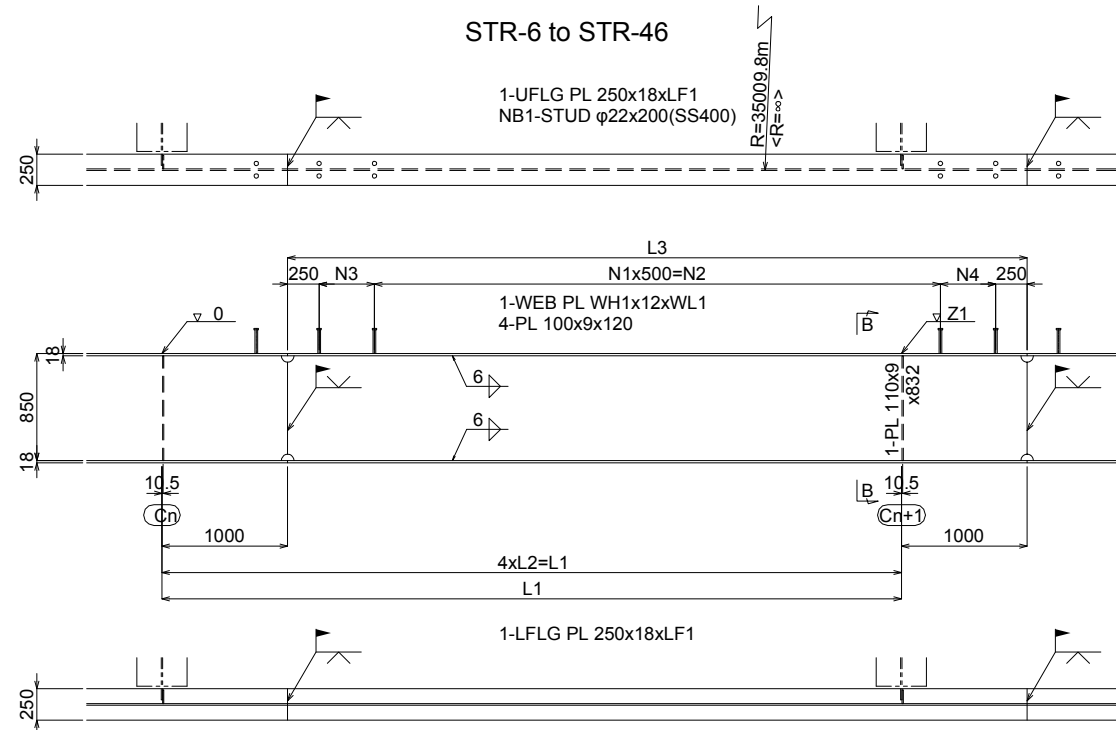
INGÉROSEC CORPORATION

PALMERAIE
LONGERON (4)
SIDE STRINGER (4)

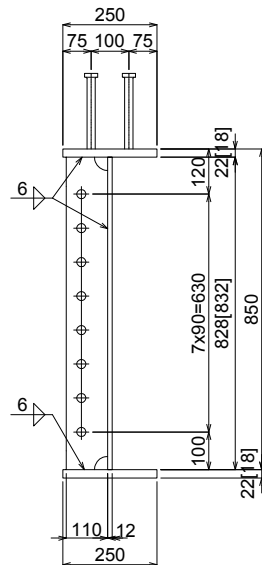
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Format	Fichier / File
A3	

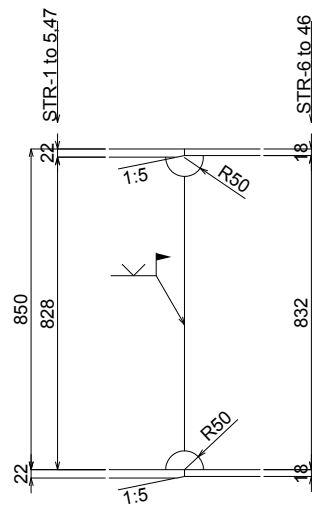
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-TA-087	A



A-A[B-B] A1 1:10, A3 1:20



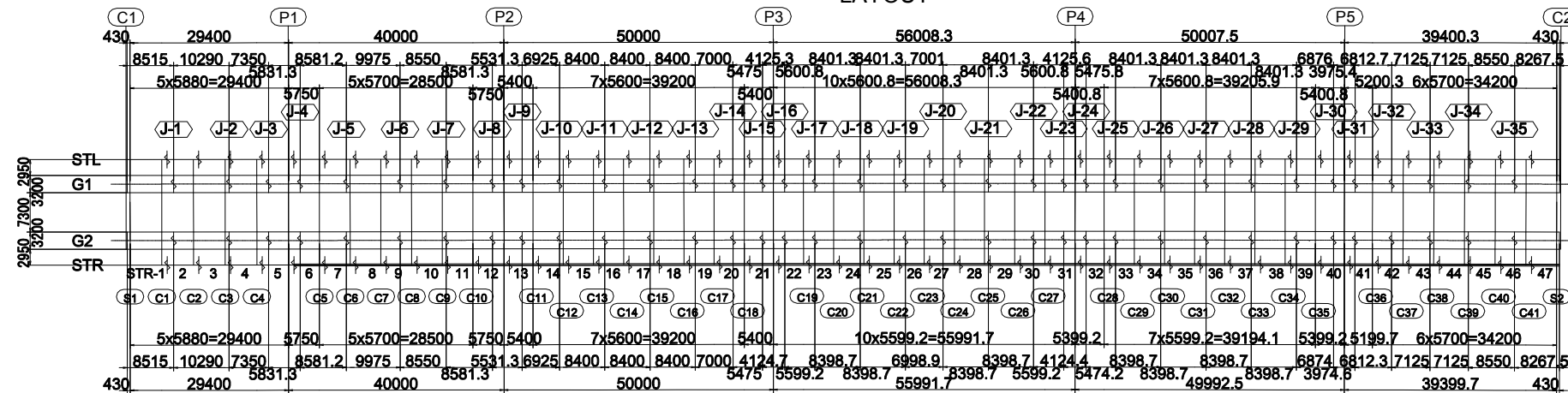
"a"DETAIL A1 1:10, A3 1:20



NOTES

1. All materials shall be SM400A unless otherwise noted.
2. Scallop shall be 35R unless otherwise noted.
3. φ shows "Twist-off-type tension control bolts" M22(S10T)
4. Refer to the Side girder(6/6) for the dimensional table.
5. < > Internal dimensions indicate STR-1to21, 42to47.

LAYOUT



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
LONGERON (5)
SIDE STRINGER (5)

Indice / Rev	Date	Préparé par	Vérifié par	Approuvé par	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-TA-088	A

STR(3/3)

	STR-2	STR-3	STR-4	STR-5	STR-6	STR-7	STR-8	STR-9	STR-10	STR-11	STR-12	STR-13	STR-14	STR-15	STR-16
Cn	C1	C2	C3	C4	P1	C5	C6	C7	C8	C9	C10	P2	C11	C12	C13
Cn+1	C2	C3	C4	P1	C5	C6	C7	C8	C9	C10	P2	C11	C12	C13	C14
L1	5880	5880	5880	5880	5750	5700	5700	5700	5700	5700	5750	5400	5600	5600	5600
L2	1470	1470	1470	1470	1437.5	1425	1425	1425	1425	1425	1437.5	1350	1400	1400	1400
L3	6880	6880	6880	6880	6750	6700	6700	6700	6700	6700	6750	6400	6600	6600	6600
Z	352.8	352.8	352.8	352.8	345	342	342	342	342	342	345	324	336	336	336
BF1	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
LF1	6892	6892	6892	6892	6762	6712	6712	6712	6712	6712	6762	6412	6612	6612	6612
WH1	827	827	827	827	831	831	831	831	831	831	831	831	831	831	831
WL1	6942	6942	6942	6942	6812	6762	6762	6762	6762	6762	6812	6461	6662	6662	6662
N1	9	9	9	9	9	9	9	9	9	9	9	8	9	9	9
N2	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4000	4500	4500	4500
N3	440	440	440	440	375	350	350	350	350	350	375	450	300	300	300
N4	440	440	440	440	375	350	350	350	350	350	375	450	300	300	300
NB1	24	24	24	24	24	24	24	24	24	24	24	22	24	24	24

	STR-17	STR-18	STR-19	STR-20	STR-21	STR-22	STR-23	STR-24	STR-25	STR-26	STR-27	STR-28	STR-29	STR-30	STR-31
Cn	C14	C15	C16	C17	C18	P3	C19	C20	C21	C22	C23	C24	C25	C26	C27
Cn+1	C15	C16	C17	C18	P3	C19	C20	C21	C22	C23	C24	C25	C26	C27	P4
L1	5600	5600	5600	5600	5400	5598.6	5598.4	5598.4	5598.4	5598.4	5598.4	5598.4	5598.4	5598.4	5598.4
L2	1400	1400	1400	1400	1350	1399.65	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6
L3	6600	6600	6600	6600	6400	6598.6	6598.4	6598.4	6598.4	6598.4	6598.4	6598.4	6598.4	6598.4	6598.4
Z	336	336	335.3	320.2	289.2	279.7	259.1	238.5	217.9	197.3	176.7	156	135.4	114.8	94.2
BF1	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
LF1	6612	6612	6612	6611	6409	6607	6605	6604	6603	6602	6602	6601	6600	6600	6599
WH1	831	831	831	831	831	831	831	831	831	831	832	832	832	832	832
WL1	6662	6662	6662	6658	6454	6648	6644	6640	6636	6632	6628	6624	6620	6617	6613
N1	9	9	9	9	8	9	9	9	9	9	9	9	9	9	9
N2	4500	4500	4500	4500	4000	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
N3	300	300	300	300	450	299.3	299.2	299.2	299.2	299.2	299.2	299.2	299.2	299.2	299.2
N4	300	300	300	300	450	299.3	299.2	299.2	299.2	299.2	299.2	299.2	299.2	299.2	299.2
NB1	24	24	24	24	22	24	24	24	24	24	24	24	24	24	24

	STR-32	STR-33	STR-34	STR-35	STR-36	STR-37	STR-38	STR-39	STR-40	STR-41	STR-42	STR-43	STR-44	STR-45	STR-46
Cn	P4	C28	C29	C30	C31	C32	C33	C34	C35	P5	C36	C37	C38	C39	C40
Cn+1	C28	C29	C30	C31	C32	C33	C34	C35	P5	C36	C37	C38	C39	C40	C41
L1	5398.5	5598.4	5598.4	5598.4	5598.4	5598.4	5598.4	5598.4	5398.5	5199.4	5700	5700	5700	5700	5700
L2	1349.625	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1399.6	1349.625	1299.85	1425	1425	1425	1425	1425
L3	6398.5	6598.4	6598.4	6598.4	6598.4	6598.4	6598.4	6598.4	6398.5	6199.4	6700	6700	6700	6700	6700
Z	71.3	53.7	33.1	12.5	-8.1	-28.7	-49.3	-69.9	-86.9	-101.8	-132	-153.4	-174.7	-196.1	-217.4
BF1	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
LF1	6399	6599	6599	6598	6598	6598	6599	6599	6399	6201	6702	6702	6703	6704	6705
WH1	832	832	832	832	832	832	832	832	832	832	832	832	832	832	831
WL1	6410	6607	6603	6600	6600	6603	6606	6609	6413	6217	6721	6725	6729	6733	6737
N1	8	9	9	9	9	9	9	9	8	8	9	9	9	9	9
N2	4000	4500	4500	4500	4500	4500	4500	4500	4000	4000	4500	4500	4500	4500	4500
N3	449.25	299.2	299.2	299.2	299.2	299.2	299.2	299.2	449.25	349.7	350	350	350	350	350
N4	449.25	299.2	299.2	299.2	299.2	299.2	299.2	299.2	449.25	349.7	350	350	350	350	350
NB1	22	24	24	24	24	24	24	24	22	22	24	24	24	24	24

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.
INGÉROSEC CORPORATION

**PALMERAIE
LONGERON (6)
SIDE STRINGER (6)**

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier/ File :			
Émetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-TA-089	A

Coordonne / *Coordinate*

		A1	GE1	S1	C1	C2	C3	C4	P1	C5	C6	C7	C8	C9	C10	P2	C11	C12	C13
L1	X	-0.0115	0.0585	0.5885	6.4685	12.3485	18.2285	24.1085	29.9885	35.7385	41.4385	47.1385	52.8385	58.5385	64.2385	69.9885	75.3885	80.9885	86.5885
	Y	10.8000	10.8001	10.8006	10.8069	10.8131	10.8193	10.8256	10.8318	10.8379	10.8440	10.8500	10.8561	10.8621	10.8681	10.8742	10.8800	10.8859	10.8918
	Z	26.3765	26.3807	26.4125	26.7653	27.1181	27.4709	27.8237	28.1765	28.5215	28.8635	29.2055	29.5475	29.8895	30.2315	30.5765	30.9005	31.2365	31.5725
L2	X	-0.0109	0.0591	0.5891	6.4691	12.3491	18.2291	24.1091	29.9891	35.7391	41.4391	47.1391	52.8391	58.5391	64.2391	69.9891	75.3891	80.9891	86.5891
	Y	10.3000	10.3001	10.3006	10.3069	10.3131	10.3193	10.3256	10.3318	10.3379	10.3440	10.3500	10.3561	10.3621	10.3681	10.3742	10.3800	10.3859	10.3918
	Z	26.4590	26.4632	26.4950	26.8478	27.2006	27.5534	27.9062	28.2590	28.6040	28.9460	29.2880	29.6300	29.9720	30.3140	30.6590	30.9830	31.3190	31.6550
STL	X	-0.0104	0.0596	0.5896	6.4696	12.3496	18.2296	24.1096	29.9896	35.7396	41.4396	47.1396	52.8396	58.5396	64.2396	69.9896	75.3896	80.9896	86.5896
	Y	9.8000	9.8001	9.8006	9.8069	9.8131	9.8193	9.8256	9.8318	9.8379	9.8440	9.8500	9.8561	9.8621	9.8681	9.8742	9.8800	9.8859	9.8918
	Z	26.4715	26.4757	26.5075	26.8603	27.2131	27.5659	27.9187	28.2715	28.6165	28.9585	29.3005	29.6425	29.9845	30.3265	30.6715	30.9955	31.3315	31.6675
G1LU	X	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800
	Y	6.8500	6.8501	6.8506	6.8569	6.8631	6.8693	6.8756	6.8818	6.8879	6.8940	6.9000	6.9061	6.9121	6.9181	6.9242	6.9300	6.9359	6.9419
	Z	26.5453	26.5495	26.5813	26.9341	27.2869	27.6397	27.9925	28.3453	28.6903	29.0323	29.3743	29.7163	30.0583	30.4003	30.7453	31.0693	31.4053	31.7413
G1LL	X	-0.0066	0.0634	0.5934	6.4734	12.3534	18.2334	24.1134	29.9934	35.7434	41.4434	47.1434	52.8434	58.5434	64.2434	69.9934	75.3934	80.9934	86.5934
	Y	6.2500	6.2501	6.2506	6.2569	6.2631	6.2693	6.2756	6.2818	6.2879	6.2940	6.3000	6.3061	6.3121	6.3181	6.3242	6.3300	6.3359	6.3419
	Z	26.5603	26.5645	26.5963	26.9491	27.3019	27.6547	28.0075	28.3603	28.7053	29.0473	29.3893	29.7313	30.0733	30.4153	30.7603	31.0843	31.4203	31.7563
G1C	X	-0.0056	0.0644	0.5944	6.4744	12.3544	18.2344	24.1144	29.9944	35.7444	41.4444	47.1444	52.8444	58.5444	64.2444	69.9944	75.3944	80.9944	86.5944
	Y	5.2500	5.2501	5.2506	5.2569	5.2631	5.2693	5.2756	5.2818	5.2879	5.2940	5.3000	5.3061	5.3121	5.3181	5.3242	5.3300	5.3359	5.3419
	Z	26.5853	26.5895	26.6213	26.9741	27.3269	27.6797	28.0325	28.3853	28.7303	29.0723	29.4143	29.7563	30.0983	30.4403	30.7853	31.1093	31.4453	31.7813
G1RL	X	-0.0045	0.0655	0.5955	6.4755	12.3555	18.2355	24.1155	29.9955	35.7455	41.4455	47.1455	52.8455	58.5455	64.2455	69.9955	75.3955	80.9955	86.5955
	Y	4.2500	4.2501	4.2506	4.2569	4.2631	4.2693	4.2756	4.2818	4.2879	4.2940	4.3000	4.3061	4.3121	4.3181	4.3242	4.3300	4.3359	4.3419
	Z	26.6103	26.6145	26.6463	26.9991	27.3519	27.7047	28.0575	28.4103	28.7553	29.0973	29.4393	29.7813	30.1233	30.4653	30.8103	31.1343	31.4703	31.8063
G1RU	X	-0.0039	0.0661	0.5961	6.4761	12.3561	18.2361	24.1161	29.9961	35.7461	41.4461	47.1461	52.8461	58.5461	64.2461	69.9961	75.3961	80.9961	86.5961
	Y	3.6500	3.6501	3.6506	3.6569	3.6631	3.6693	3.6756	3.6818	3.6879	3.6940	3.7000	3.7061	3.7121	3.7181	3.7242	3.7300	3.7359	3.7419
	Z	26.6253	26.6295	26.6613	27.0141	27.3669	27.7197	28.0725	28.4253	28.7703	29.1123	29.4543	29.7963	30.1383	30.4803	30.8253	31.1493	31.4853	31.8213
L3	X	-0.0003	0.0697	0.5997	6.4797	12.3597	18.2397	24.1197	29.9997	35.7497	41.4497	47.1497	52.8497	58.5497	64.2497	69.9997	75.3997	80.9997	86.5997
	Y	0.3000	0.3001	0.3006	0.3069	0.3131	0.3193	0.3256	0.3318	0.3379	0.3440	0.3500	0.3561	0.3621	0.3681	0.3742	0.3800	0.3859	0.3919
	Z	26.7090	26.7132	26.7450	27.0978	27.4506	27.8034	28.1562	28.5090	28.8540	29.1960	29.5380	29.8800	30.2220	30.5640	30.9090	31.2330	31.5690	31.9050
CL	X	0.0000	0.0700	0.6400	6.4800	12.3600	18.2400	24.1200	30.0000	35.7500	41.4500	47.1500	52.8500	58.5500	64.2500	70.0000	75.4000	81.0000	86.6000
	Y	0.0000	0.0001	0.0006	0.0069	0.0131	0.0193	0.0256	0.0318	0.0379	0.0440	0.0500	0.0561	0.0621	0.0681	0.0742	0.0800	0.0859	0.0919
	Z	26.7090	26.7132	26.7450	27.0978	27.4506	27.8034	28.1562	28.5090	28.8540	29.1960	29.5380	29.8800	30.2220	30.5640	30.9090	31.2330	31.5690	31.9050
R3	X	0.0003	0.0703	0.6003	6.4803	12.3603	18.2403	24.1203	30.0003	35.7503	41.4503	47.1503	52.8503	58.5503	64.2503	70.0003	75.4003	81.0003	86.6003
	Y	-0.3000	-0.2999	-0.2994	-0.2931	-0.2869	-0.2807	-0.2744	-0.2682	-0.2621	-0.2560	-0.2500	-0.2439	-0.2379	-0.2319	-0.2258	-0.2200	-0.2141	-0.2081
	Z	26.7090	26.7132	26.7450	27.0978	27.4506	27.8034	28.1562	28.5090	28.8540	29.1960	29.5380	29.8800	30.2220	30.5640	30.9090	31.2330	31.5690	31.9050
G2LU	X	0.0039	0.0739	0.6039	6.4839	12.3639	18.2439	24.1239	30.0039	35.7539	41.4539	47.1539	52.8539	58.5539	64.2539	70.0039	75.4039	81.0039	86.6039
	Y	-3.6500	-3.6499	-3.6494	-3.6431	-3.6369	-3.6307	-3.6244	-3.6182	-3.6121	-3.6060	-3.6000	-3.5939	-3.5879	-3.5818	-3.5758	-3.5700	-3.5641	-3.5581
	Z	26.6253	26.6295	26.6613	27.0141	27.3669	27.7197	28.0725	28.4253	28.7703	29.1123	29.4543	29.7963	30.1383	30.4803	30.8253	31.1493	31.4853	31.8213
G2LL	X	-4.2500	-4.2499	-4.2494	-4.2431	-4.2369	-4.2307	-4.2244	-4.2182	-4.2121	-4.2060	-4.2000	-4.1939	-4.1879	-4.1818	-4.1757	-4.1700	-4.1641	-4.1581
	Y	26.6103	26.6145	26.6463	26.9991	27.3519	27.7047	28.0575	28.4103	28.7553	29.0973	29.4393	29.7813	30.1233	30.4653	30.8103	31.1343	31.4703	31.8063
	Z	0.0056	0.0756	0.6056	6.4856	12.3656	18.2456	24.1256	30.0056	35.7556	41.4556	47.1556	52.8556	58.5556	64.2556	70.0056	75.4056	81.0056	86.6056
G2C	X	-5.2500	-5.2499	-5.2494	-5.2431	-5.2369	-5.2307	-5.2244	-5.2182	-5.2121	-5.2060	-5.2000	-5.1939	-5.1879	-5.1818	-5.1757	-5.1700	-5.1641	-5.1581
	Y	26.5853	26.5895	26.6213	26.9741	27.3269	27.6797	28.0325	28.3853	28.7303	29.0723	29.4143	29.7563	30.0983	30.4403	30.7853	31.1093	31.4453	31.7813
	Z	0.0066	0.0766	0.6066	6.4866	12.3666	18.2466	24.1266	30.0066	35.7566	41.4566	47.1566	52.8566	58.5566	64.2566	70.0066	75.4066	81.0066	86.6066
G2RL	X	-6.2500	-6.2499	-6.2494	-6.2431	-6.2369	-6.2306	-6.2244	-6.2182	-6.2121	-6.2060	-6.2000	-6.1939	-6.1879	-6.1818	-6.1757	-6.1700	-6.1641	-6.1581
	Y	26.5603	26.5645	26.5963	26.9491	27.3019	27.6547	28.0075	28.3603	28.7053	29.0473	29.3893	29.7313	30.0733	30.4153	30.7603	31.0843	31.4203	31.7563
	Z	0.0073	0.0773	0.6073	6.4873	12.3673	18.2473	24.1273	30.0073	35.7573	41.4573	47.1573	52.8573	58.5573	64.2573	70.0073	75.4073	81.0073	86.6073
G2RU	X	-6.8500	-6.8499	-6.8494	-6.8431	-6.8369	-6.8306	-6.8244	-6.8182	-6.8121	-6.8060	-6.8000	-6.7939	-6.7879	-6.7818	-6.7757	-6.7700	-6.7641	-6.7581
	Y	26.5453	26.5495	26.5813	26.9341	27.2869	27.6397	27.9925	28.3453	28.6903	29.0323	29.3743	29.7163	30.0583	30.4003	30.7453	31.0693	31.4053	31.7413
	Z	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800
STR	X	0.0104	0.0804	0.6104	6.4904	12.3704	18.2504	24.1304	30.0104	35.7604	41.4604	47.1604	52.8604	58.5604	64.2604	70.0104	75.4104	81.0103	86.6103
	Y	-9.8000	-9.7999	-9.7994	-9.7931	-9.7869	-9.7806	-9.7744	-9.7682	-9.7621	-9.7560	-9.7500	-9.7439	-9.7379	-9.7318</				

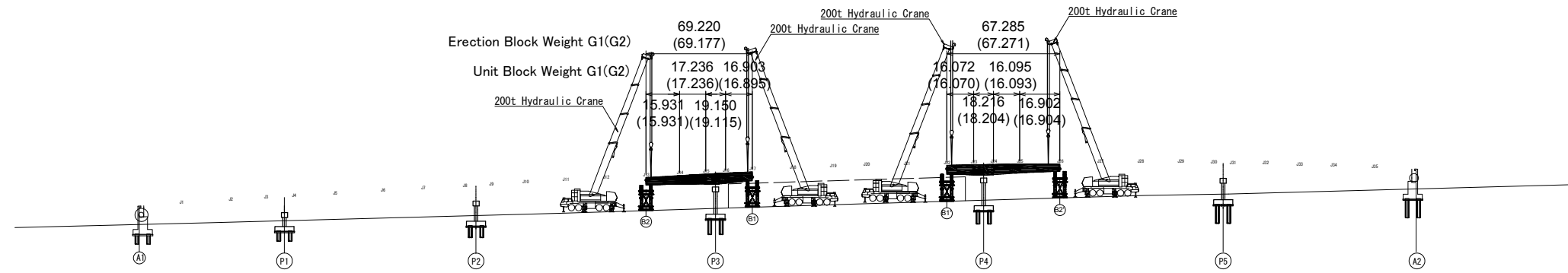
Coordonne / *Coordinate*

		C14	C15	C16	C17	C18	P3	C19	C20	C21	C22	C23	C24	C25	C26	C27	P4	C28	C29
L1	X	92.1885	97.7885	103.3885	108.9885	114.5885	119.9885	125.5901	131.1918	136.7935	142.3952	147.9970	153.5987	159.2004	164.8022	170.4039	176.0056	181.4073	187.0090
	Y	10.8978	10.9037	10.9097	10.9156	10.9215	10.9273	10.9328	10.9375	10.9413	10.9442	10.9461	10.9472	10.9474	10.9467	10.9451	10.9426	10.9393	10.9351
	Z	31.9085	32.2445	32.5805	32.9158	33.2359	33.5252	33.8049	34.0639	34.3024	34.5203	34.7176	34.8942	35.0503	35.1857	35.3005	35.3948	35.4661	35.5198
L2	X	92.1890	97.7890	103.3890	108.9890	114.5890	119.9890	125.5905	131.1922	136.7938	142.3955	147.9971	153.5988	159.2004	164.8021	170.4037	176.0053	181.4069	187.0086
	Y	10.3978	10.4037	10.4097	10.4156	10.4215	10.4273	10.4328	10.4375	10.4413	10.4442	10.4461	10.4472	10.4474	10.4467	10.4451	10.4426	10.4393	10.4351
	Z	31.9910	32.3270	32.6630	32.9983	33.3184	33.6077	33.8874	34.1464	34.3849	34.6028	34.8001	34.9767	35.1328	35.2682	35.3830	35.4773	35.5486	35.6023
STL	X	92.1896	97.7896	103.3895	108.9895	114.5895	119.9895	125.5910	131.1925	136.7941	142.3957	147.9972	153.5988	159.2004	164.8019	170.4035	176.0051	181.4066	187.0082
	Y	9.8978	9.9037	9.9097	9.9156	9.9215	9.9273	9.9328	9.9375	9.9413	9.9442	9.9461	9.9472	9.9474	9.9467	9.9451	9.9426	9.9393	9.9351
	Z	32.0035	32.3395	32.6755	33.0108	33.3309	33.6202	33.8999	34.1589	34.3974	34.6153	34.8126	34.9892	35.1453	35.2807	35.3955	35.4898	35.5611	35.6148
	H	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800	0.0800
G1LU	X	92.1927	97.7927	103.3927	108.9927	114.5927	119.9927	125.5937	131.1948	136.7959	142.3970	147.9981	153.5991	159.2002	164.8013	170.4024	176.0035	181.4046	187.0057
	Y	6.9478	6.9537	6.9597	6.9656	6.9715	6.9773	6.9828	6.9875	6.9913	6.9942	6.9961	6.9972	6.9974	6.9967	6.9951	6.9926	6.9893	6.9851
	Z	32.0773	32.4133	32.7493	33.0845	33.4047	33.6939	33.9736	34.2327	34.4712	34.6890	34.8863	35.0630	35.2190	35.3545	35.4693	35.5635	35.6349	35.6886
G1LL	X	92.1933	97.7933	103.3933	108.9933	114.5933	119.9933	125.5942	131.1952	136.7962	142.3972	147.9982	153.5992	159.2002	164.8012	170.4022	176.0032	181.4042	187.0052
	Y	6.3478	6.3537	6.3597	6.3656	6.3716	6.3773	6.3828	6.3875	6.3913	6.3942	6.3961	6.3972	6.3974	6.3967	6.3951	6.3926	6.3893	6.3851
	Z	32.0923	32.4283	32.7643	33.0995	33.4197	33.7089	33.9886	34.2477	34.4862	34.7040	34.8913	35.0780	35.2340	35.3695	35.4843	35.5785	35.6499	35.7036
G1C	X	92.1944	97.7944	103.3944	108.9944	114.5944	119.9944	125.5951	131.1960	136.7968	142.3976	147.9985	153.5993	159.2002	164.8010	170.4018	176.0027	181.4035	187.0043
	Y	5.3478	5.3537	5.3597	5.3656	5.3716	5.3773	5.3828	5.3875	5.3913	5.3942	5.3961	5.3972	5.3974	5.3967	5.3951	5.3926	5.3893	5.3851
	Z	32.1173	32.4533	32.7893	33.1245	33.4447	33.7339	34.0136	34.2727	34.5112	34.7290	34.9263	35.1030	35.2590	35.3945	35.5093	35.6035	35.6749	35.7286
G1RL	X	92.1954	97.7954	103.3954	108.9954	114.5954	119.9954	125.5960	131.1967	136.7974	142.3981	147.9988	153.5994	159.2001	164.8008	170.4015	176.0022	181.4028	187.0035
	Y	4.3478	4.3537	4.3597	4.3656	4.3716	4.3773	4.3828	4.3875	4.3913	4.3942	4.3961	4.3972	4.3974	4.3967	4.3951	4.3926	4.3893	4.3851
	Z	32.1423	32.4783	32.8143	33.1495	33.4697	33.7589	34.0386	34.2977	34.5362	34.7540	34.9513	35.1280	35.2840	35.4195	35.5343	35.6285	35.6999	35.7536
G1RU	X	92.1961	97.7961	103.3961	108.9961	114.5961	119.9961	125.5966	131.1972	136.7978	142.3983	147.9989	153.5995	159.2001	164.8007	170.4013	176.0018	181.4024	187.0030
	Y	3.7478	3.7537	3.7597	3.7656	3.7716	3.7773	3.7828	3.7875	3.7913	3.7942	3.7961	3.7972	3.7974	3.7967	3.7951	3.7926	3.7893	3.7851
	Z	32.1573	32.4933	32.8293	33.1645	33.4847	33.7739	34.0536	34.3127	34.5512	34.7690	34.9663	35.1430	35.2990	35.4345	35.5493	35.6435	35.7149	35.7686
	H	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600
L3	X	92.1996	97.7996	103.3996	108.9996	114.5996	119.9996	125.5997	131.1997	136.7997	142.3998	147.9998	153.5999	159.1999	164.8000	170.4000	176.0001	181.4001	187.0002
	Y	0.3978	0.4037	0.4097	0.4156	0.4216	0.4273	0.4328	0.4375	0.4413	0.4442	0.4461	0.4472	0.4474	0.4467	0.4451	0.4426	0.4393	0.4351
	Z	32.2410	32.5770	32.9130	33.2483	33.5684	33.8577	34.1374	34.3964	34.6349	34.8528	35.0501	35.2267	35.3828	35.5182	35.6330	35.7273	35.7986	35.8523
CL	X	92.1999	97.7999	103.3999	108.9999	114.5999	119.9999	125.5999	131.1999	136.7999	142.3999	147.9999	153.5999	159.1999	164.7999	170.3999	175.9999	181.3999	186.9999
	Y	0.0978	0.1037	0.1097	0.1156	0.1216	0.1273	0.1328	0.1375	0.1413	0.1442	0.1461	0.1472	0.1474	0.1467	0.1451	0.1426	0.1393	0.1351
	Z	32.2410	32.5770	32.9130	33.2483	33.5684	33.8577	34.1374	34.3964	34.6349	34.8528	35.0501	35.2267	35.3828	35.5182	35.6330	35.7273	35.7986	35.8523
R3	X	92.2003	97.8003	103.4003	109.0003	114.6003	120.0003	125.6002	131.2002	136.8001	142.4001	148.0000	153.6000	159.1999	164.7999	170.3999	175.9998	181.3997	186.9997
	Y	-0.2022	-0.1963	-0.1903	-0.1844	-0.1784	-0.1727	-0.1672	-0.1625	-0.1587	-0.1558	-0.1539	-0.1528	-0.1526	-0.1533	-0.1549	-0.1574	-0.1607	-0.1649
	Z	32.2410	32.5770	32.9130	33.2483	33.5684	33.8577	34.1374	34.3964	34.6349	34.8528	35.0501	35.2267	35.3828	35.5182	35.6330	35.7273	35.7986	35.8523
G2LU	X	92.2038	97.8038	103.4038	109.0038	114.6038	120.0038	125.6033	131.2038	136.8021	142.4015	148.0009	153.6003	159.1998	164.7992	170.3986	175.9980	181.3974	186.9969
	Y	-3.5522	-3.5463	-3.5403	-3.5344	-3.5284	-3.5227	-3.5172	-3.5125	-3.5087	-3.5058	-3.5039	-3.5028	-3.5026	-3.5033	-3.5049	-3.5074	-3.5107	-3.5149
	Z	32.1573	32.4933	32.8293	33.1645	33.4847	33.7739	34.0536	34.3127	34.5512	34.7690	34.9663	35.1430	35.2990	35.4345	35.5493	35.6435	35.7149	35.7686
G2LL	X	92.2045	97.8045	103.4044	109.0044	114.6044	120.0044	125.6038	131.2031	136.8024	142.4018	148.0011	153.6004	159.1997	164.7990	170.3984	175.9977	181.3970	186.9963
	Y	-4.1522	-4.1463	-4.1403	-4.1344	-4.1284	-4.1227	-4.1172	-4.1125	-4.1087	-4.1058	-4.1039	-4.1028	-4.1026	-4.1033	-4.1049	-4.1074	-4.1107	-4.1149
	Z	32.1423	32.4783	32.8143	33.1495	33.4697	33.7589	34.0386	34.2977	34.5362	34.7540	34.9513	35.1280	35.2840	35.4195	35.5343	35.6285	35.6999	35.7536
G2C	X	92.2055	97.8055	103.4055	109.0055	114.6055	120.0055	125.6047	131.2039	136.8030	142.4022	148.0014	153.6005	159.1997	164.7988	170.3980	175.9972	181.3963	186.9955
	Y	-5.1522	-5.1463	-5.1403	-5.1344	-5.1284	-5.1227	-5.1172	-5.1125	-5.1087	-5.1058	-5.1039	-5.1028	-5.1026	-5.1033	-5.1049	-5.1074	-5.1107	-5.1149
	Z	32.1173	32.4533	32.7893	33.1245	33.4447	33.7339	34.0136	34.2727	34.5112	34.7290	34.9263	35.1030	35.2590	35.3945	35.5093	35.6035	35.6749	35.7286
G2RL	X	92.2066	97.8066	103.4066	109.0066	114.6066	120.0066	125.6056	131.2046	136.8036	142.4026	148.0016	153.6006	159.1996	164.7986	170.3976	175.9966	181.3957	186.9947
	Y	-6.1522	-6.1463	-6.1403	-6.1344	-6.1284	-6.1227	-6.1172	-6.1125	-6.1087	-6.1058	-6.1039	-6.1028	-6.1026	-6.1033	-6.1049	-6.1074	-6.1107	-6.1149
	Z	32.0923	32.4283	32.7643	33.0995	33.4197	33.7089	33.9886	34.2477	34.4862	34.7040	34.9013	35.0780	35.2340	35.3695	35.4843	35.5785	35.6499	35.7036
G2RU	X	92.2072	97.8072	103.4072	109.0072	114.6072	120.0072	125.6062	131.2051	136.8040	142.4029	148.0018	153.6007	159.1996	164.7985	170.3974	175.9963	181.3953	186.9942
	Y	-6.7522	-6.7463	-6.7403	-6.7344	-6.72													

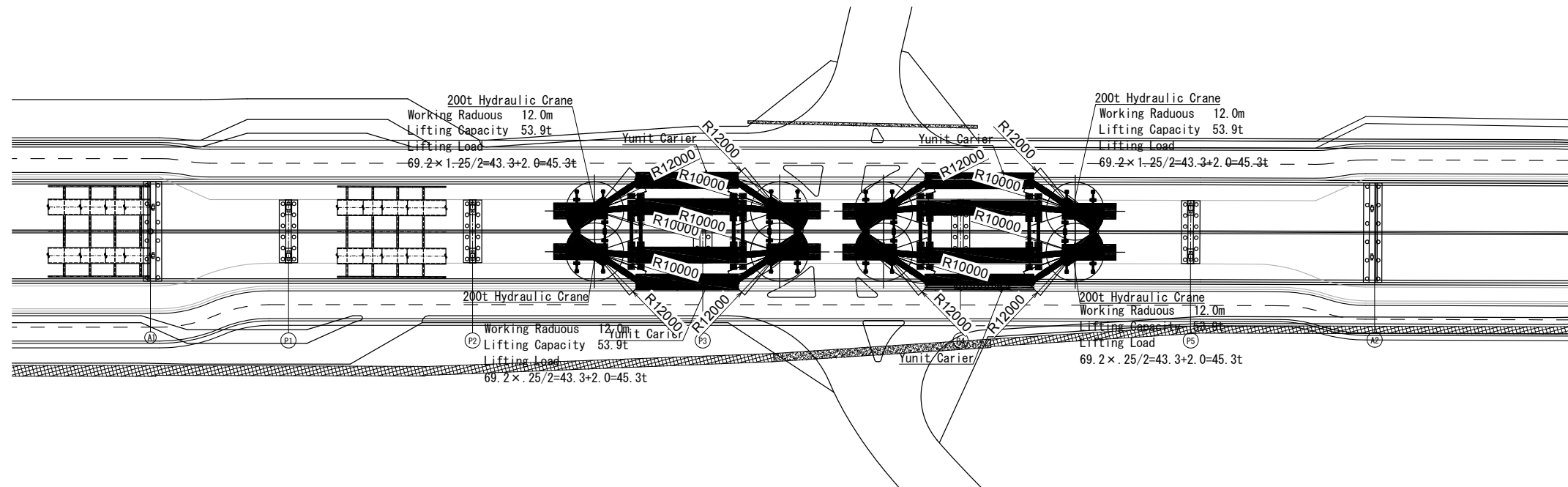
パルメリー 架設計画図

(STEP 1)

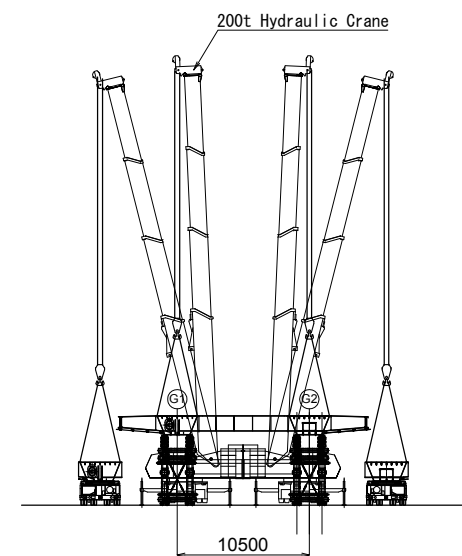
SIDE VIEW S=1:600



PLAN VIEW S=1:600



SECTION VIEW S=1:300



200t吊油圧式トラッククレーン定格荷重表

フーム長	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	52.1m
作業半径 3.0	200.0	120.0					
3.5	176.0	120.0					
4.0	158.0	120.0	120.0				
4.5	146.0	120.0	120.0				
5.0	135.0	120.0	120.0	62.0			
6.0	118.0	117.0	117.0	62.0			
7.0	104.0	103.0	103.0	62.0	50.0		
8.0	93.5	92.5	91.7	62.0	50.0	44.0	35.0
9.0	83.2	81.9	80.8	62.0	50.0	44.0	35.0
10.0	73.8	72.4	71.3	62.0	50.0	44.0	35.0
11.0		64.6	63.5	58.4	48.3	41.3	35.0
12.0		58.0	56.9	53.9	45.1	38.8	34.0
14.0		47.6	46.5	46.6	39.6	34.5	30.2
16.0		39.8	38.7	40.9	34.7	30.6	27.1
18.0			32.6	35.0	30.6	27.3	24.3
20.0			27.7	30.0	27.2	24.7	21.8
22.0				25.9	24.4	22.4	19.7
24.0				22.5	22.0	20.5	17.9
26.0				19.7	19.9	18.7	16.4
28.0				17.2	18.1	17.0	15.0
30.0					16.2	15.5	13.8
32.0					14.4	14.1	12.8
34.0					12.7	12.9	11.8
36.0					11.3	11.6	10.9
38.0					10.0	10.3	10.1
40.0						9.2	9.2
42.0						8.1	8.3
44.0							7.4
46.0							6.5

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN
/ PROJECT FOR CONSTRUCTION OF THREE INTERSECTION IN ABIDJAN



CONCEDANT
REPUBLIQUE DE COTE D'IVOIRE
Ministère des Infrastructures Economiques



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

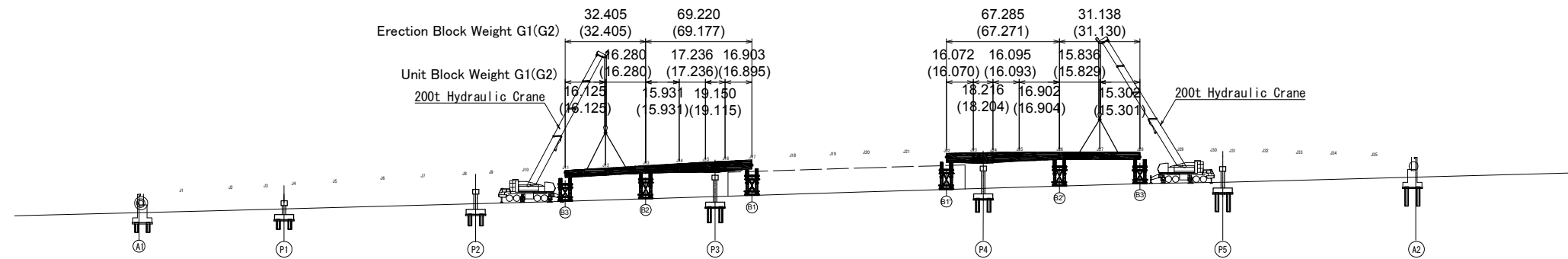
PALMERAIE
PLAN D'ÉRECTION - (1)
ERECTION PLAN (1)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT
Format A1 Fichier/ File:						
Emetteur / Issuer	Localisation / Location	Type d'ouvrage -Activité / Type of structure -Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCG,ISEC	BFM	PONT	DESSINS	H-PA-TA-093	A	

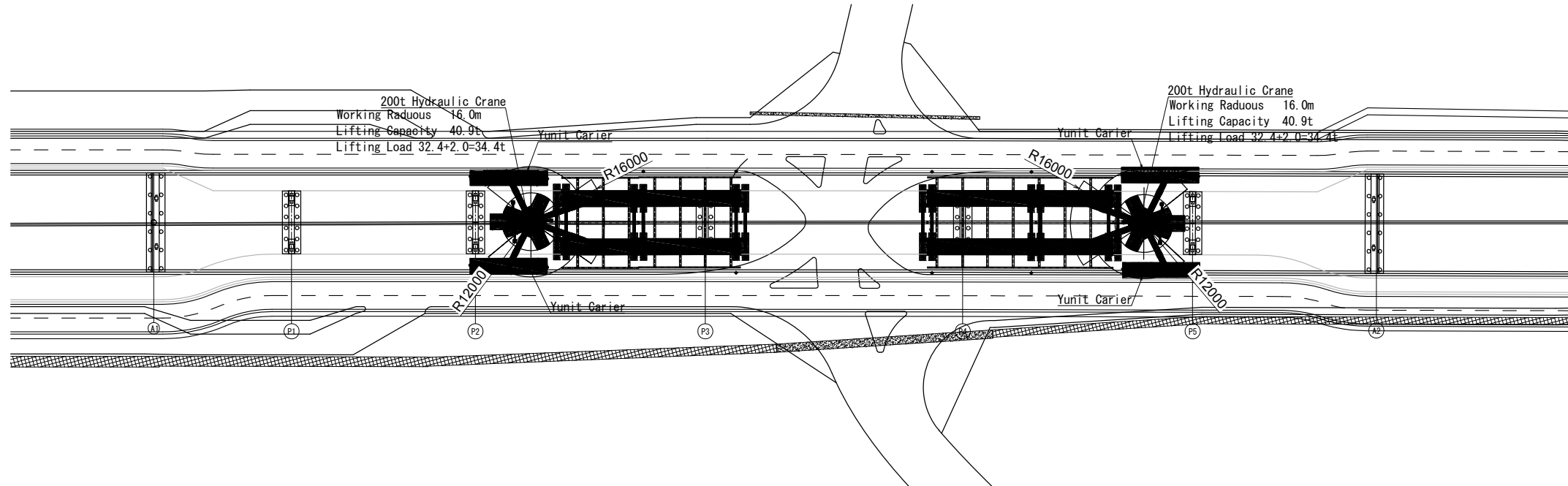
パルメリー 架設計画図

(STEP 2)

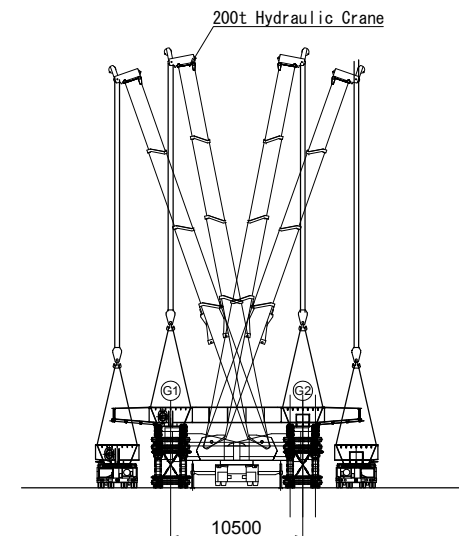
SIDE VIEW S=1:600



PLAN VIEW S=1:600



SECTION VIEW S=1:300



200t吊油圧式トラッククレーン定格荷重表

フーム長	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	52.1m
3.0	200.0	120.0					
3.5	176.0	120.0					
4.0	158.0	120.0	120.0				
4.5	146.0	120.0	120.0				
5.0	135.0	120.0	120.0	62.0			
6.0	118.0	117.0	117.0	62.0			
7.0	104.0	103.0	103.0	62.0	50.0		
8.0	93.5	92.5	91.7	62.0	50.0	44.0	35.0
9.0	83.2	81.9	80.8	62.0	50.0	44.0	35.0
10.0	73.8	72.4	71.3	62.0	50.0	44.0	35.0
11.0		64.6	63.5	58.4	48.3	41.3	35.0
12.0		58.0	56.9	53.9	45.1	38.8	34.0
14.0		47.6	46.5	46.6	39.6	34.5	30.2
16.0		39.8	38.7	40.9	34.7	30.6	27.1
18.0			35.0	32.6	30.6	27.3	24.3
20.0			27.7	30.0	27.2	24.7	21.8
22.0				25.9	24.4	22.4	19.7
24.0				22.5	22.0	20.5	17.9
26.0				19.7	19.9	18.7	16.4
28.0				17.2	18.1	17.0	15.0
30.0					16.2	15.5	13.8
32.0					14.4	14.1	12.8
34.0					12.7	12.9	11.8
36.0					11.3	11.6	10.9
38.0					10.0	10.3	10.1
40.0						9.2	9.2
42.0						8.1	8.3
44.0							7.4
46.0							6.5

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN
/ PROJECT FOR CONSTRUCTION OF THREE INTERSECTION IN ABIDJAN



CONCEDANT
REPUBLIQUE DE COTE D'IVOIRE
Ministère des Infrastructures Economiques



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
PLAN D'ÉRECTION - (2)
ERECTION PLAN (2)

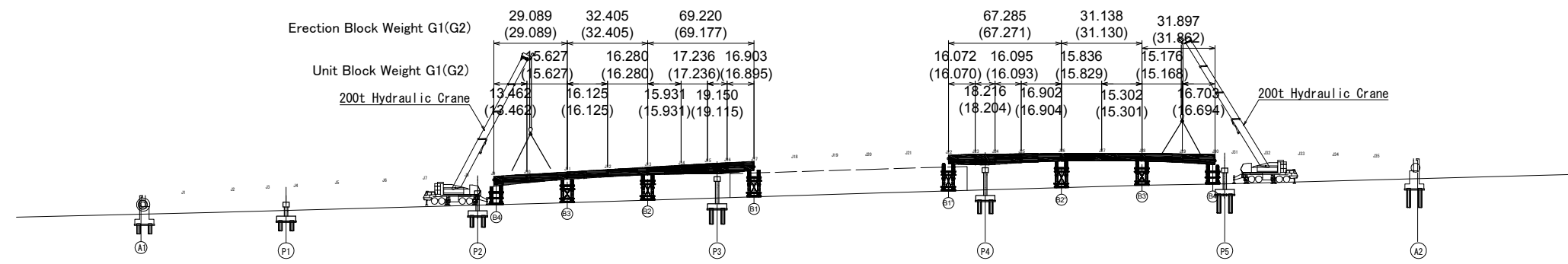
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-TA-094	A

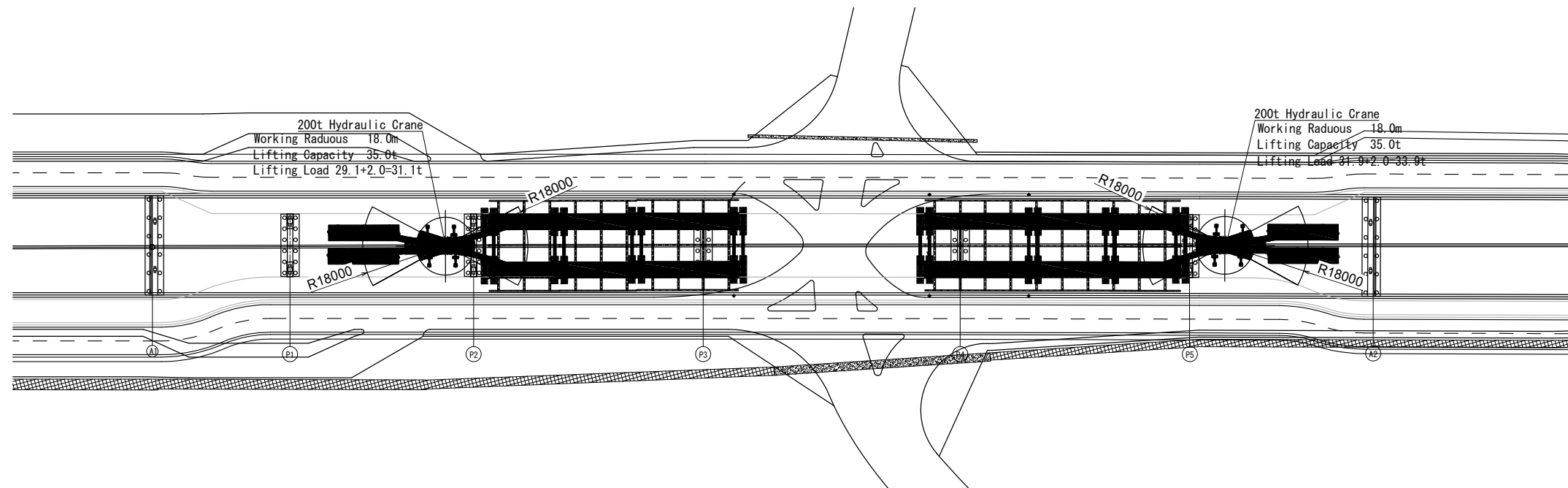
パルメリー 架設計画図

(STEP 3)

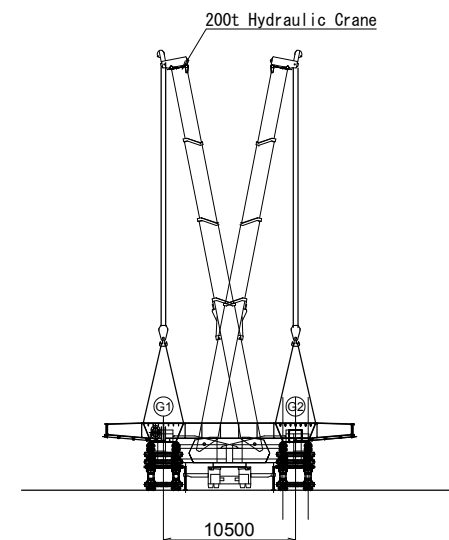
SIDE VIEW S=1:600



PLAN VIEW S=1:600



SECTION VIEW S=1:300



200t吊油圧式トラッククレーン定格荷重表

ブーム長	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	52.1m
作業半径	3.0	3.5	4.0	4.5	5.0	6.0	7.0
200.0	176.0	158.0	146.0	135.0	118.0	104.0	93.5
120.0	120.0	120.0	120.0	120.0	117.0	103.0	92.5
62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN
/ PROJECT FOR CONSTRUCTION OF THREE INTERSECTION IN ABIDJAN



CONCEDANT
REPUBLIQUE DE COTE D'IVOIRE
Ministère des Infrastructures Economiques



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
PLAN D'ÉRECTION - (3)
ERECTION PLAN - (3)

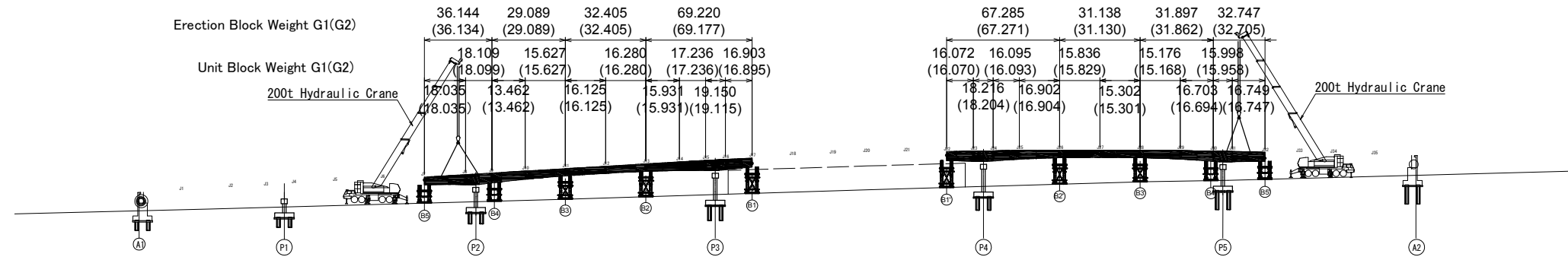
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Format	A1	Fichier / File	Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG,ISEC	BFM				PONT	DESSINS	H-PA-TA-095	A

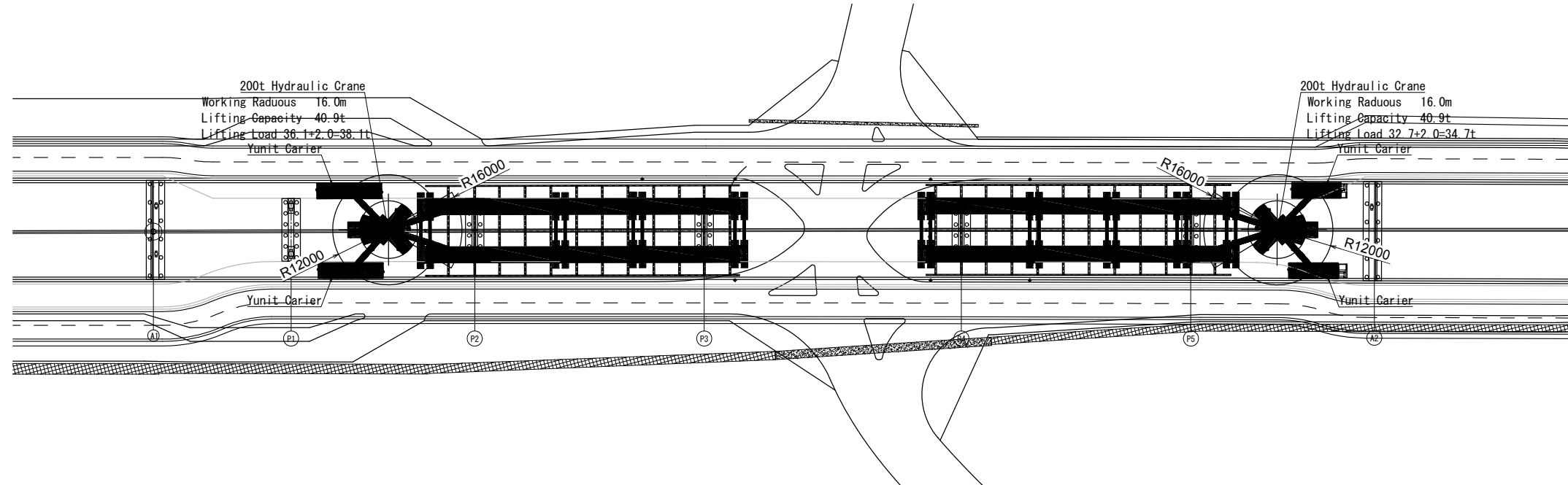
パルメリー 架設計画図

(STEP 4)

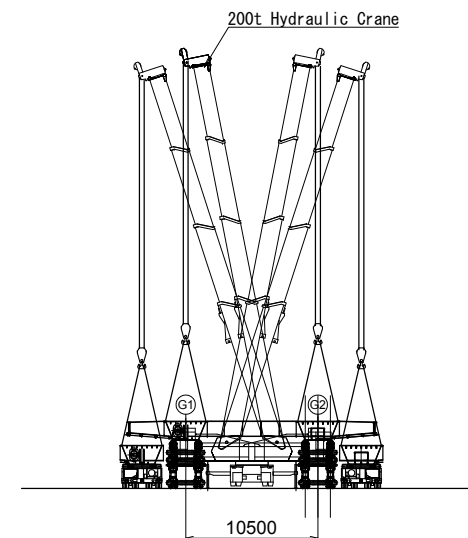
SIDE VIEW S=1:600



PLAN VIEW S=1:600



SECTION VIEW S=1:300



200t吊油圧式トラッククレーン定格荷重表

ブーム長	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	52.1m
作業半径	3.0	3.5	4.0	4.5	5.0	6.0	7.0
200.0	120.0	120.0	120.0	62.0	62.0	50.0	35.0
176.0	120.0	120.0	62.0	62.0	50.0	44.0	35.0
158.0	120.0	120.0	62.0	62.0	50.0	44.0	35.0
146.0	120.0	120.0	62.0	62.0	50.0	44.0	35.0
135.0	120.0	120.0	62.0	62.0	50.0	44.0	35.0
118.0	117.0	117.0	62.0	62.0	50.0	44.0	35.0
104.0	103.0	103.0	62.0	62.0	50.0	44.0	35.0
93.5	92.5	91.7	62.0	62.0	50.0	44.0	35.0
83.2	81.9	80.8	62.0	62.0	50.0	44.0	35.0
73.8	72.4	71.3	62.0	62.0	50.0	44.0	35.0
	64.6	63.5	58.4	48.3	41.3	38.8	34.0
	58.0	56.9	53.9	45.1	38.8	34.0	30.2
	47.6	46.5	46.6	39.6	34.5	30.2	27.1
	39.8	38.7	40.9	34.7	30.6	27.1	24.3
	32.6	35.0	30.6	27.3	24.3	21.8	19.7
		27.7	30.0	27.2	24.7	21.8	19.7
			25.9	24.4	22.4	19.7	17.9
			22.5	22.0	20.5	17.9	16.4
			19.7	19.9	18.7	16.4	15.0
			17.2	18.1	17.0	15.0	13.8
				16.2	15.5	13.8	12.8
				14.4	14.1	12.8	11.8
				12.7	12.9	11.8	10.9
				11.3	11.6	10.9	10.1
				10.0	10.3	10.1	9.2
					9.2	9.2	8.3
						8.1	7.4
							6.5

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN
/ PROJECT FOR CONSTRUCTION OF THREE INTERSECTION IN ABIDJAN



CONCEDANT
REPUBLIQUE DE COTE D'IVOIRE
Ministère des Infrastructures Economiques



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
PLAN D'ÉRECTION - (4)
ERECTION PLAN - (4)

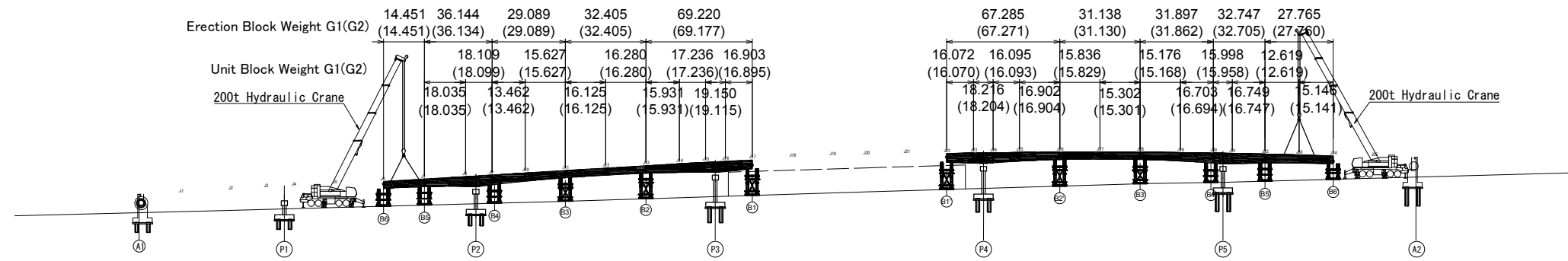
Indice	Date	Préparé par	Vérifié par	Approuvé par	Description	Statut
Index	Date	Prepared by	Checked by	Approved by	Description	Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Format	A1	Fichier/ File :	Emetteur	Localisation	Type d'ouvrage -Activité	Type de document	N°	Indice
Format	A1	Fichier/ File :	Issuer	Location	Type of structure -Activity	Type of document	No.	Index
OCG,ISEC	BFM				PONT	DESSINS	H-PA-TA-096	A

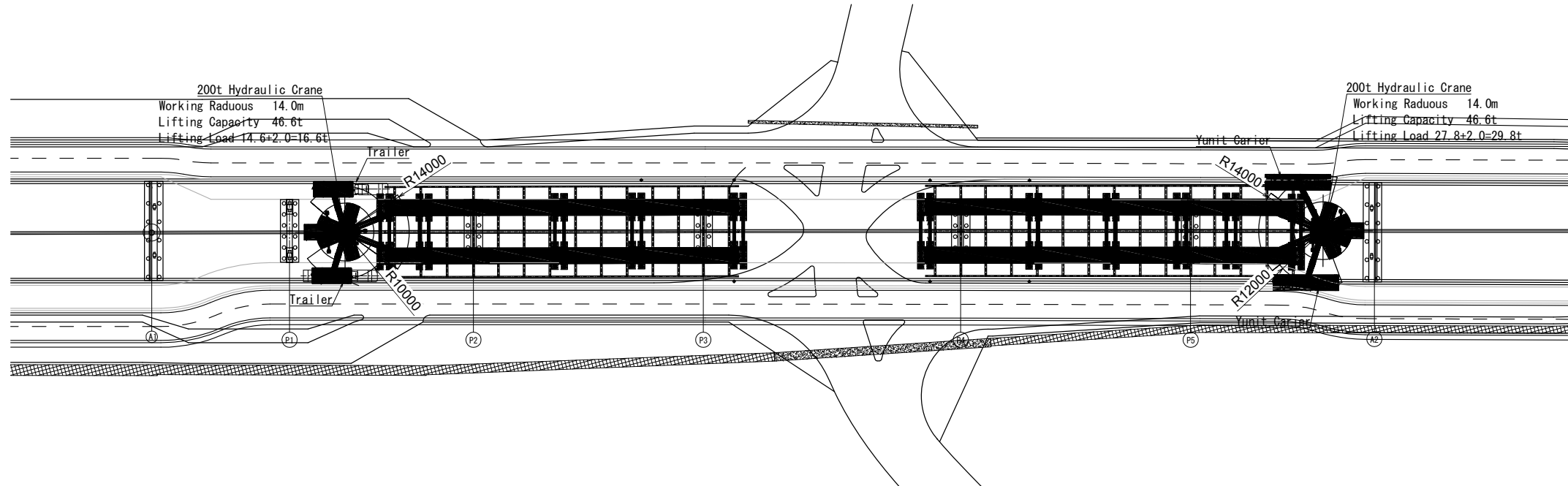
パルメリー 架設計画図

(STEP 5)

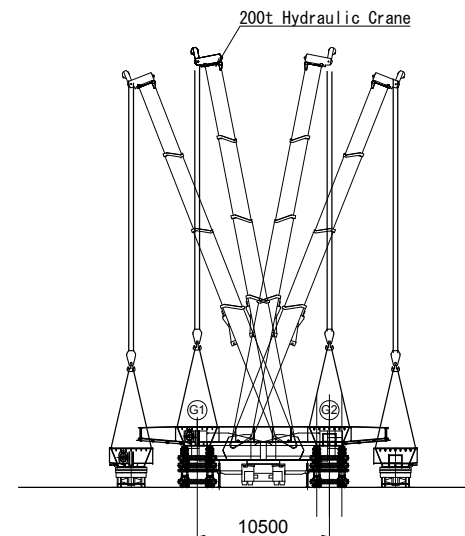
SIDE VIEW S=1:600



PLAN VIEW S=1:600



SECTION VIEW S=1:300



200t吊油圧式トラッククレーン定格荷重表

ブーム長	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	52.1m
作業半径	3.0	3.5	4.0	4.5	5.0	6.0	7.0
200.0	120.0	120.0	120.0	62.0	62.0	50.0	35.0
176.0	120.0	120.0	62.0	62.0	50.0	44.0	35.0
158.0	120.0	120.0	62.0	50.0	44.0	35.0	35.0
146.0	120.0	120.0	62.0	48.3	41.3	35.0	35.0
135.0	120.0	120.0	62.0	58.0	45.1	38.8	34.0
118.0	117.0	117.0	62.0	58.0	45.1	38.8	34.0
104.0	103.0	103.0	62.0	47.6	39.6	34.5	30.2
93.5	92.5	91.7	62.0	39.8	34.7	30.6	27.1
83.2	81.9	80.8	62.0	32.6	30.6	27.3	24.3
73.8	72.4	71.3	62.0	27.7	27.2	24.7	21.8
64.6	63.5	58.4	62.0	25.9	24.4	22.4	19.7
58.0	56.9	53.9	62.0	22.5	22.0	20.5	17.9
47.6	46.5	46.6	62.0	19.7	19.9	18.7	16.4
39.8	38.7	40.9	62.0	17.2	18.1	17.0	15.0
32.6	35.0	30.6	62.0		16.2	15.5	13.8
27.7	30.0	27.2	62.0		14.4	14.1	12.8
			62.0		12.7	12.9	11.8
			62.0		11.3	11.6	10.9
			62.0		10.0	10.3	10.1
			62.0		9.2	9.2	9.2
			62.0		8.1	8.3	8.3
			62.0		7.4	7.4	7.4
			62.0		6.5	6.5	6.5

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN
/ PROJECT FOR CONSTRUCTION OF THREE INTERSECTION IN ABIDJAN



CONCEDANT
REPUBLIQUE DE COTE D'IVOIRE
Ministère des Infrastructures Economiques



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
PLAN D'ÉRECTION - (5)
ERECTION PLAN (5)

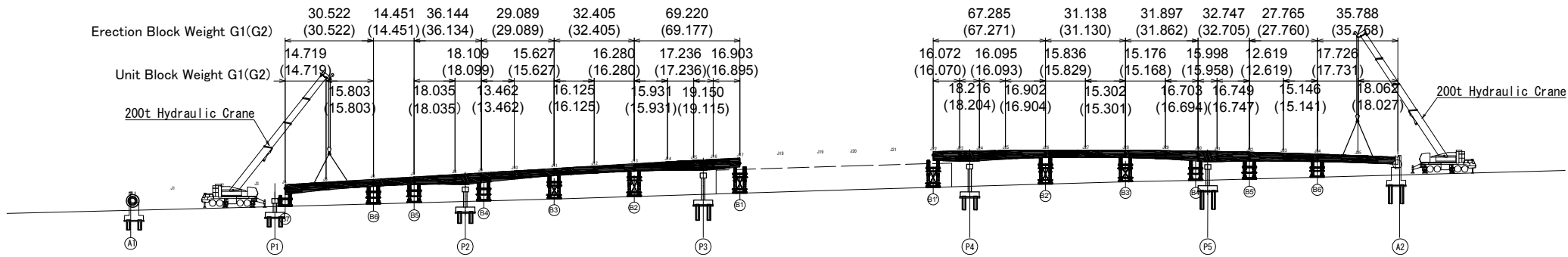
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-TA-097	A

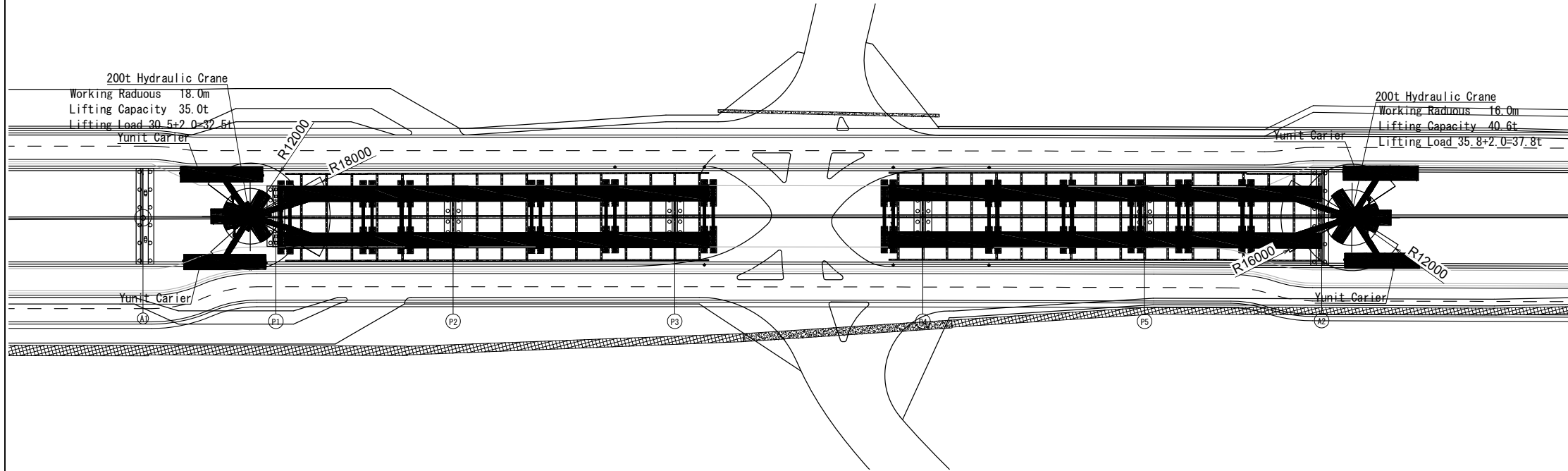
パルメリー 架設計画図

(STEP 6)

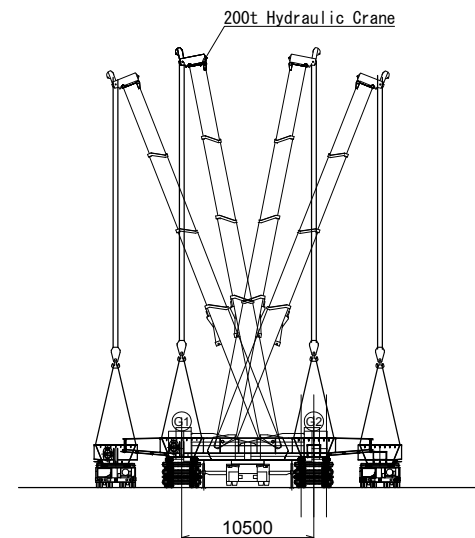
SIDE VIEW S=1:600



PLAN VIEW S=1:600



SECTION VIEW S=1:300



200t吊油圧式トラッククレーン定格荷重表

ブーム長	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	52.1m
作業半径	3.0	3.5	4.0	4.5	5.0	6.0	7.0
200.0	120.0						
176.0	120.0						
158.0	120.0	120.0					
146.0	120.0	120.0					
135.0	120.0	120.0	62.0				
118.0	117.0	117.0	62.0				
104.0	103.0	103.0	62.0	50.0			
93.5	92.5	91.7	62.0	50.0	44.0	35.0	
83.2	81.9	80.8	62.0	50.0	44.0	35.0	
73.8	72.4	71.3	62.0	50.0	44.0	35.0	
	64.6	63.5	58.4	48.3	41.3	35.0	
	58.0	56.9	53.9	45.1	38.8	34.0	
	47.6	46.5	46.6	39.6	34.5	30.2	
	39.8	38.7	40.9	34.7	30.6	27.1	
		35.0	30.6	27.3	24.3		
			30.0	27.2	24.7	21.8	
			25.9	24.4	22.4	19.7	
			22.5	22.0	20.5	17.9	
				19.9	18.7	16.4	
				17.2	18.1	17.0	15.0
					16.2	15.5	13.8
					14.4	14.1	12.8
					12.7	12.9	11.8
					11.3	11.6	10.9
					10.0	10.3	10.1
						9.2	9.2
						8.1	8.3
							7.4
							6.5

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN
/ PROJECT FOR CONSTRUCTION OF THREE INTERSECTION IN ABIDJAN



CONCEDANT
REPUBLIQUE DE COTE D'IVOIRE
Ministère des Infrastructures Economiques



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

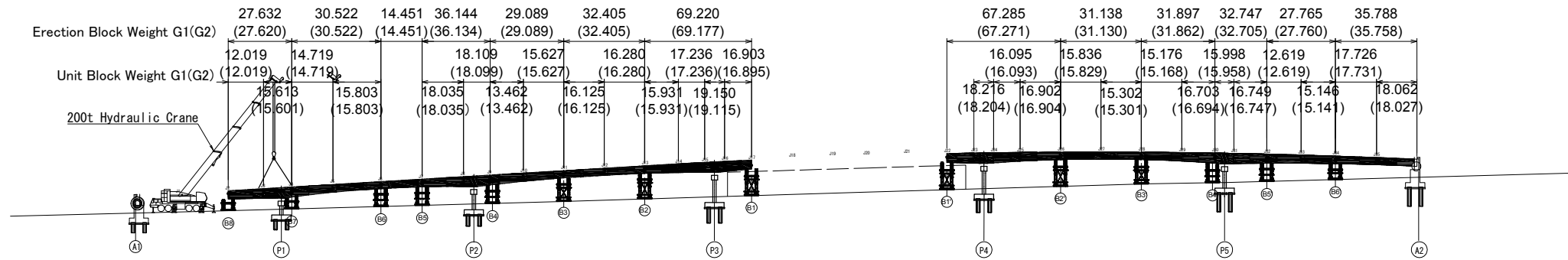
PALMERAIE
PLAN D'ÉRECTION - (6)
ERECTION PLAN (6)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT
Format	A1	Fichier/ File :				
Emetteur / Author	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCG,ISEC	BFM	PONT	DESSINS	H-PA-TA-098	A	

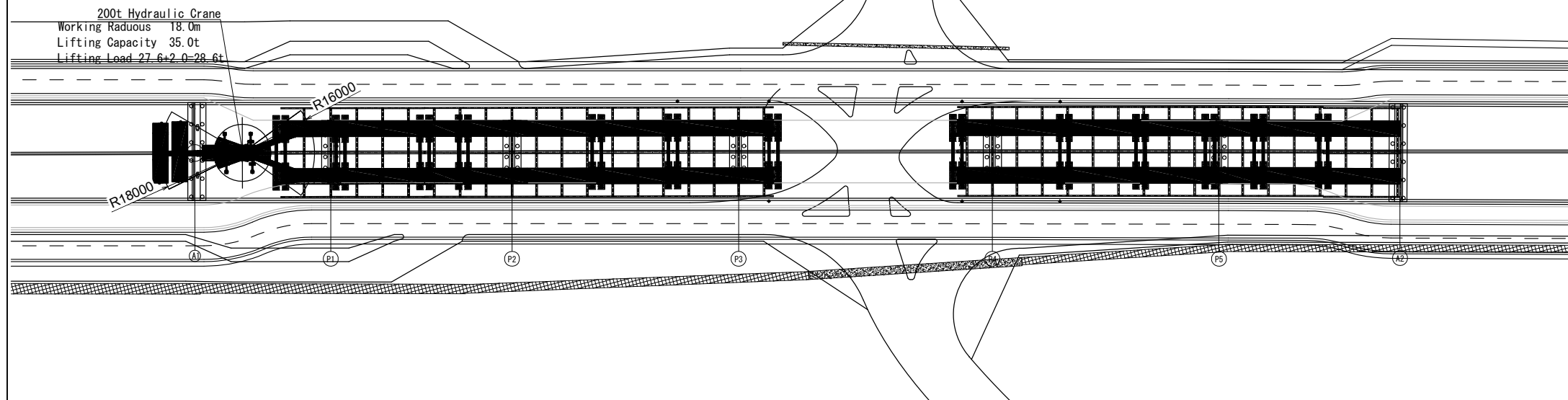
パルメリー 架設計画図

(STEP 7)

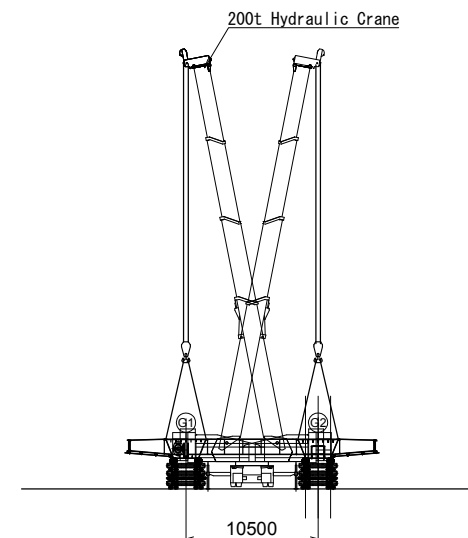
SIDE VIEW S=1:600



PLAN VIEW S=1:600



SECTION VIEW S=1:300



200t吊油圧式トラッククレーン定格荷重表

フーム長	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	52.1m
作業半径 3.0	200.0	120.0					
3.5	176.0	120.0					
4.0	158.0	120.0	120.0				
4.5	146.0	120.0	120.0				
5.0	135.0	120.0	120.0	62.0			
6.0	118.0	117.0	117.0	62.0			
7.0	104.0	103.0	103.0	62.0	50.0		
8.0	93.5	92.5	91.7	62.0	50.0	44.0	35.0
9.0	83.2	81.9	80.8	62.0	50.0	44.0	35.0
10.0	73.8	72.4	71.3	62.0	50.0	44.0	35.0
11.0		64.6	63.5	58.4	48.3	41.3	35.0
12.0		58.0	56.9	53.9	45.1	38.8	34.0
14.0		47.6	46.5	46.6	39.6	34.5	30.2
16.0		39.8	38.7	40.9	34.7	30.6	27.1
18.0			35.0	32.6	30.6	27.3	24.3
20.0			27.7	30.0	27.2	24.7	21.8
22.0				25.9	24.4	22.4	19.7
24.0				22.5	22.0	20.5	17.9
26.0				19.7	19.9	18.7	16.4
28.0				17.2	18.1	17.0	15.0
30.0					16.2	15.5	13.8
32.0					14.4	14.1	12.8
34.0					12.7	12.9	11.8
36.0					11.3	11.6	10.9
38.0					10.0	10.3	10.1
40.0						9.2	9.2
42.0						8.1	8.3
44.0							7.4
46.0							6.5

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN
/ PROJECT FOR CONSTRUCTION OF THREE INTERSECTION IN ABIDJAN



CONCEDANT
REPUBLIQUE DE COTE D'IVOIRE
Ministère des Infrastructures Economiques



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
PLAN D'ÉRECTION - (7)
ERECTION PLAN (7)

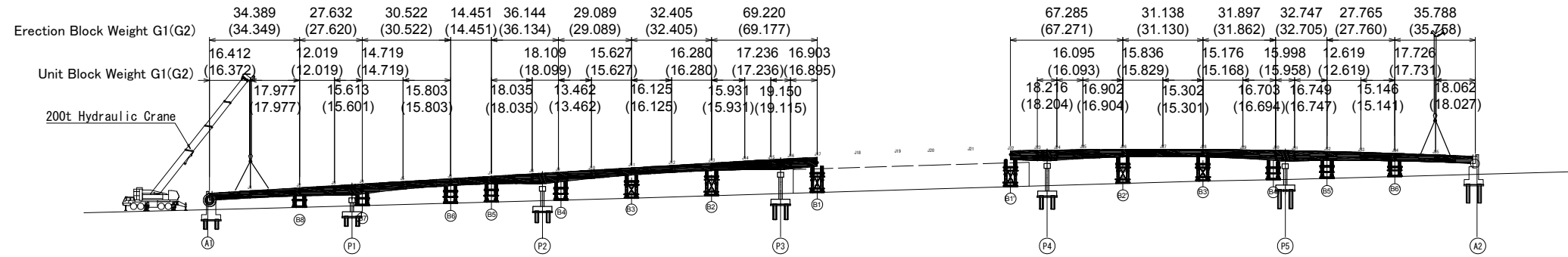
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Format	A1	Fichier / File :	Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG,ISEC	BFM		OCG,ISEC	BFM	PONT	DESSINS	H-PA-TA-099	A

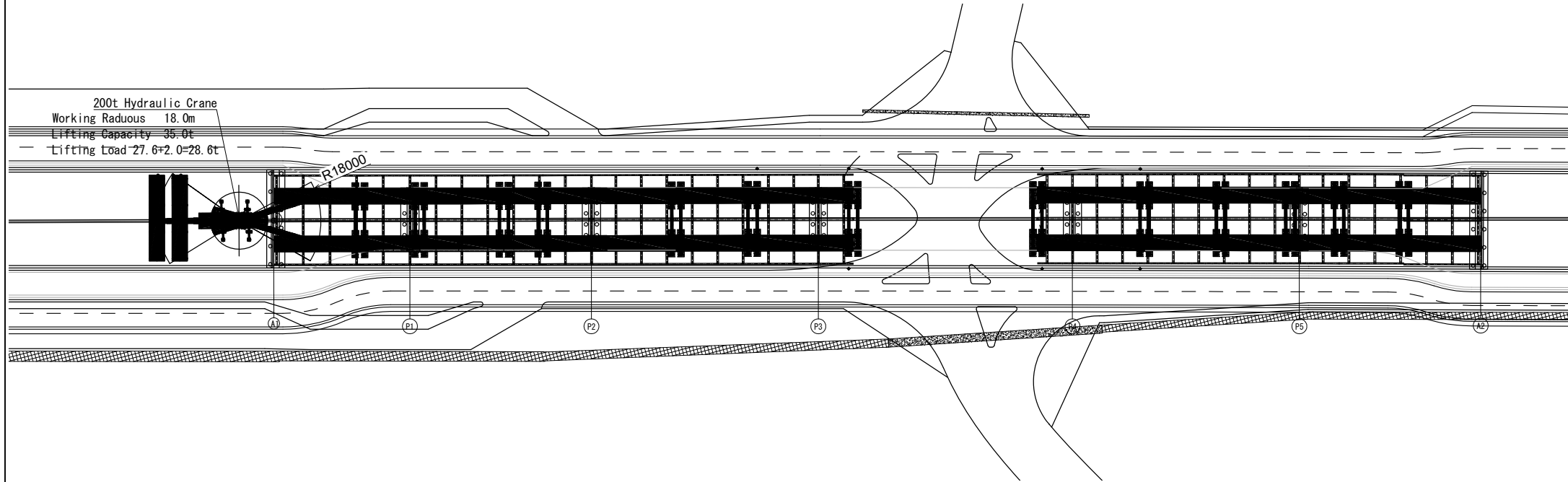
パルメリー 架設計画図

(STEP 8)

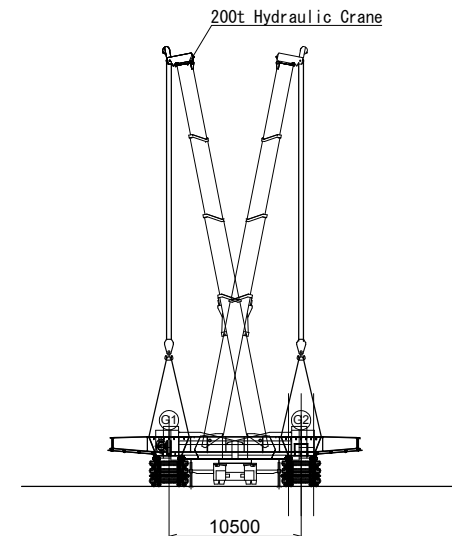
SIDE VIEW S=1:600



PLAN VIEW S=1:600



SECTION VIEW S=1:300



200t吊油圧式トラッククレーン定格荷重表

ブーム長	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	52.1m
作業半径	3.0	3.5	4.0	4.5	5.0	6.0	7.0
200.0	120.0	120.0	120.0	120.0	62.0	62.0	50.0
176.0	120.0	120.0	120.0	120.0	62.0	62.0	50.0
158.0	120.0	120.0	120.0	120.0	62.0	62.0	50.0
146.0	120.0	120.0	120.0	120.0	62.0	62.0	50.0
135.0	120.0	120.0	120.0	120.0	62.0	62.0	50.0
118.0	117.0	117.0	117.0	62.0	62.0	62.0	50.0
104.0	103.0	103.0	103.0	62.0	50.0	50.0	35.0
93.5	92.5	91.7	91.7	62.0	50.0	44.0	35.0
83.2	81.9	80.8	80.8	62.0	50.0	44.0	35.0
73.8	72.4	71.3	71.3	62.0	50.0	44.0	35.0
64.6	63.5	63.5	63.5	62.0	48.3	41.3	35.0
58.0	56.9	53.9	53.9	62.0	45.1	38.8	34.0
47.6	46.5	46.6	46.6	62.0	39.6	34.5	30.2
39.8	38.7	40.9	40.9	62.0	34.7	30.6	27.1
35.0	35.0	30.6	30.6	62.0	27.3	24.3	24.3
27.7	30.0	27.2	27.2	62.0	24.7	21.8	21.8
25.9	24.4	24.4	24.4	62.0	22.4	19.7	19.7
22.5	22.0	20.5	20.5	62.0	20.5	17.9	17.9
19.7	19.9	18.7	18.7	62.0	18.7	16.4	16.4
17.2	18.1	17.0	17.0	62.0	17.0	15.0	15.0
16.2	15.5	13.8	13.8	62.0	16.2	13.8	13.8
14.4	14.1	12.8	12.8	62.0	14.4	12.8	12.8
12.7	12.9	11.8	11.8	62.0	12.7	11.8	11.8
11.3	11.6	10.9	10.9	62.0	11.3	10.9	10.9
10.0	10.3	10.1	10.1	62.0	10.0	10.1	10.1
9.2	9.2	8.3	8.3	62.0	9.2	8.3	8.3
8.1	8.3	7.4	7.4	62.0	8.1	7.4	7.4
6.5	6.5	6.5	6.5	62.0	6.5	6.5	6.5

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN
/ PROJECT FOR CONSTRUCTION OF THREE INTERSECTION IN ABIDJAN

CONCEDANT
REPUBLIQUE DE COTE D'IVOIRE
Ministère des Infrastructures Economiques

AGENCE DE GESTION DES ROUTES

AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS GLOBAL CO., LTD.
INGÉROSEC CORPORATION

PALMERAIE
PLAN D'ÉRECTION - (8)
ERECTION PLAN - (8)

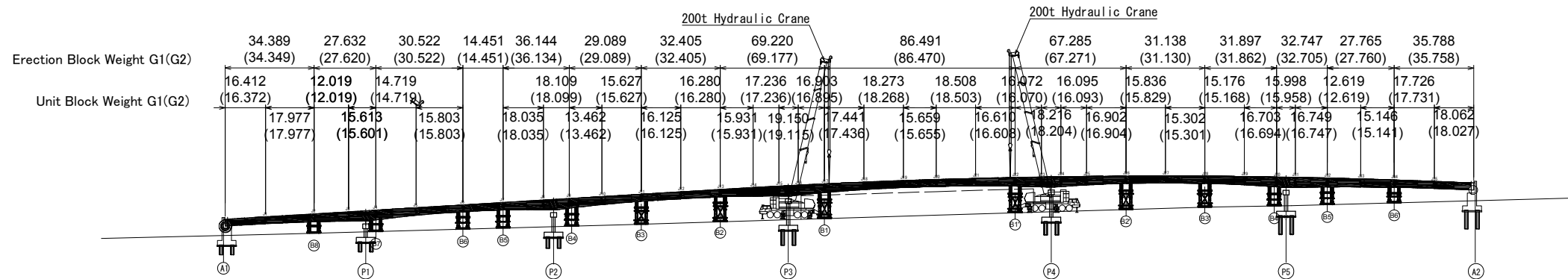
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG,ISEC	BFM	PONT	DESSINS	H-PA-TA-100	A

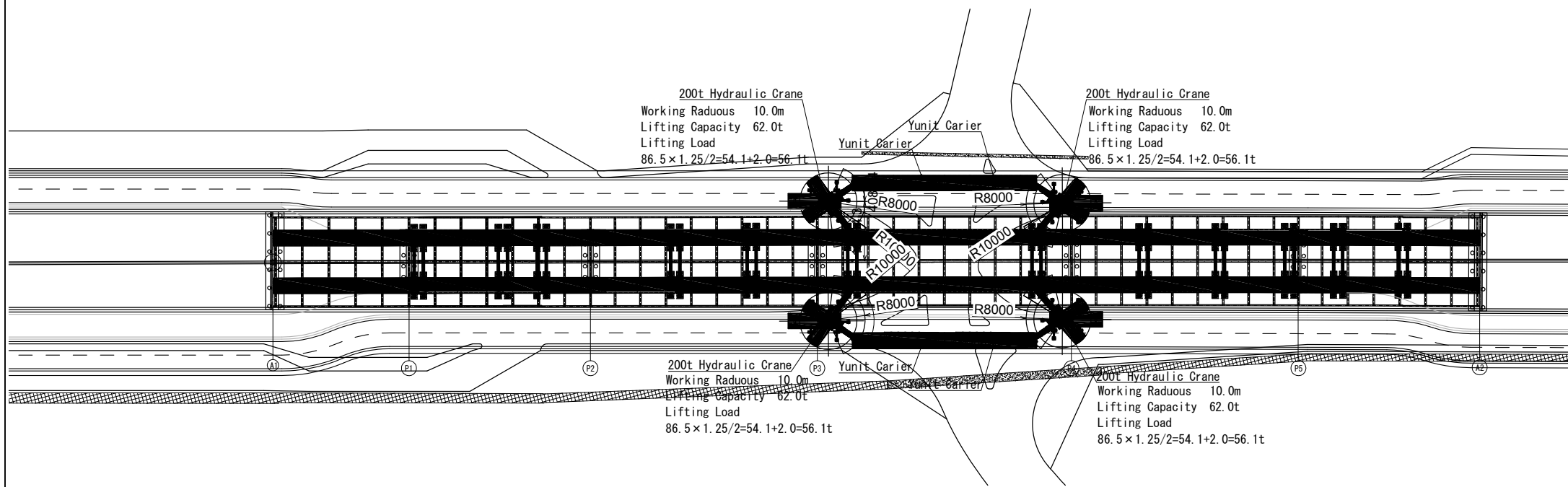
パルメリー 架設計画図

(STEP 9)

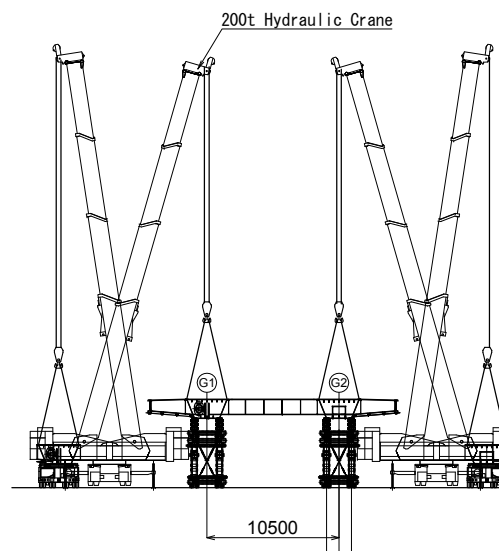
SIDE VIEW S=1:600



PLAN VIEW S=1:600



SECTION VIEW S=1:300



200t吊油圧式トラッククレーン定格荷重表

フーム長	13.6m	18.1m	22.7m	31.8m	40.9m	45.5m	52.1m
作業半径 3.0	200.0	120.0					
3.5	176.0	120.0					
4.0	158.0	120.0	120.0				
4.5	146.0	120.0	120.0				
5.0	135.0	120.0	120.0	62.0			
6.0	118.0	117.0	117.0	62.0			
7.0	104.0	103.0	103.0	62.0	50.0		
8.0	93.5	92.5	91.7	62.0	50.0	44.0	35.0
9.0	83.2	81.9	80.8	62.0	50.0	44.0	35.0
10.0	73.8	72.4	71.3	62.0	50.0	44.0	35.0
11.0		64.6	63.5	58.4	48.3	41.3	35.0
12.0		58.0	56.9	53.9	45.1	38.8	34.0
14.0		47.6	46.5	46.6	39.6	34.5	30.2
16.0		39.8	38.7	40.9	34.7	30.6	27.1
18.0			32.6	35.0	30.6	27.3	24.3
20.0			27.7	30.0	27.2	24.7	21.8
22.0				25.9	24.4	22.4	19.7
24.0				22.5	22.0	20.5	17.9
26.0				19.7	19.9	18.7	16.4
28.0				17.2	18.1	17.0	15.0
30.0					16.2	15.5	13.8
32.0					14.4	14.1	12.8
34.0					12.7	12.9	11.8
36.0					11.3	11.6	10.9
38.0					10.0	10.3	10.1
40.0						9.2	9.2
42.0						8.1	8.3
44.0							7.4
46.0							6.5

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN
/ PROJECT FOR CONSTRUCTION OF THREE INTERSECTION IN ABIDJAN



CONCEDANT
REPUBLIQUE DE COTE D'IVOIRE
Ministère des Infrastructures Economiques



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.

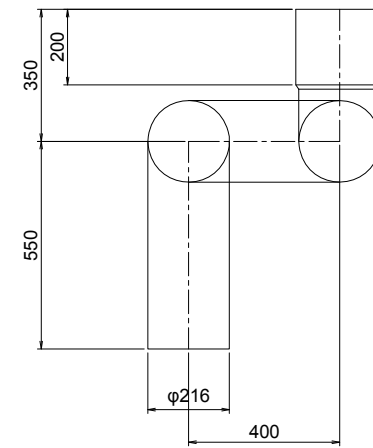
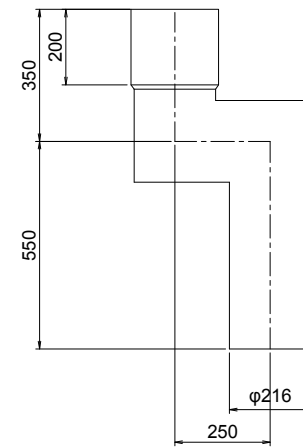
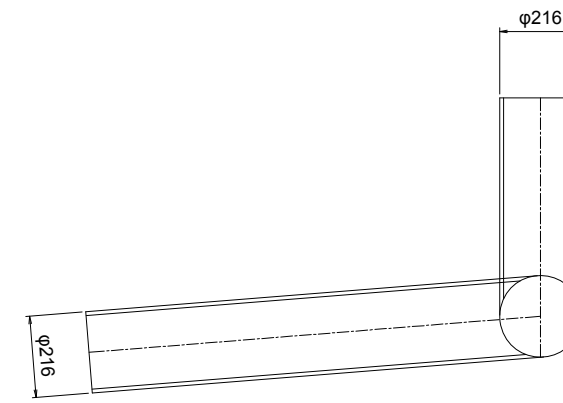
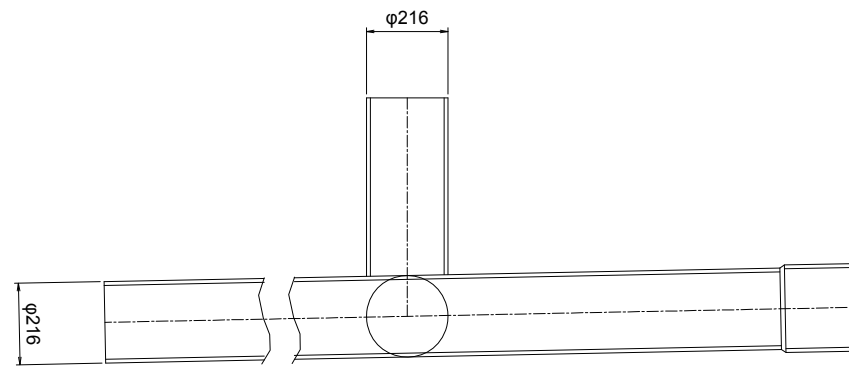
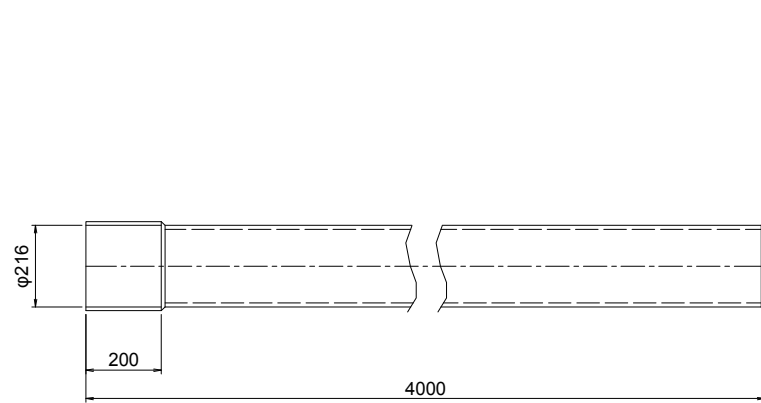


PALMERAIE
PLAN D'ÉRECTION - (9)
ERECTION PLAN -(9)

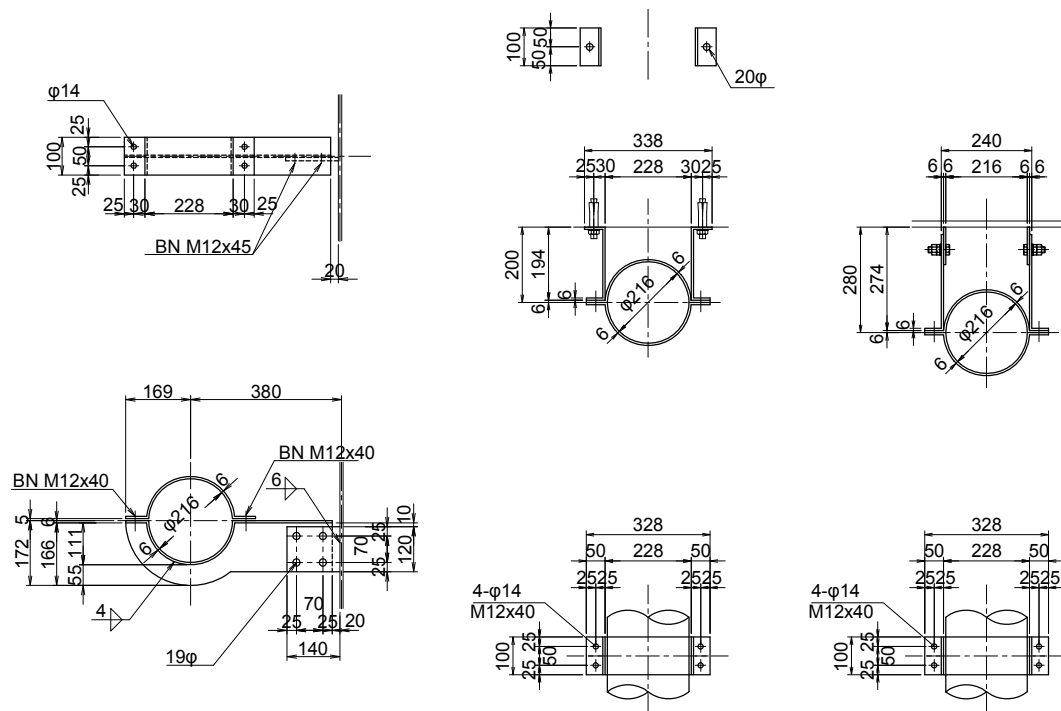
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Format	A1	Fichier/ File :	Emetteur / Author	Localisation / Localisation	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG,ISEC	BFM				PONT	DESSINS	H-PA-TA-101	A

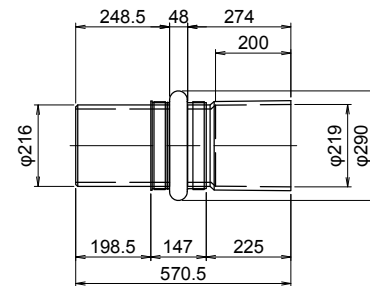
PVC PIPE φ200



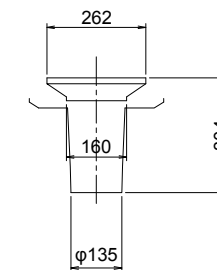
SUPPORT



Joint Flexible



Gargouille



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



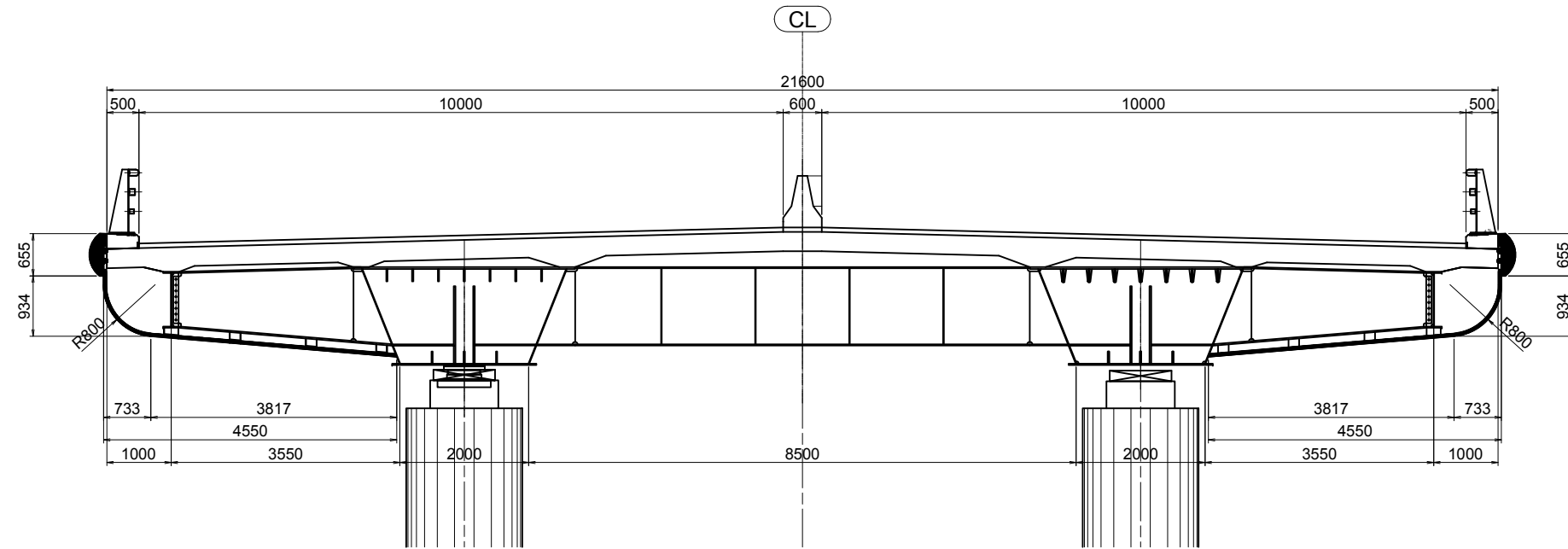
INGÉROSEC CORPORATION

PALMERAIE
DÉTAIL DES INSTALLATIONS DE DRAINAGE
(A1 E=1:10, A3 E=1:20)
DETAIL OF DRAINAGE
(A1 S=1:10, A3 S=1:20)

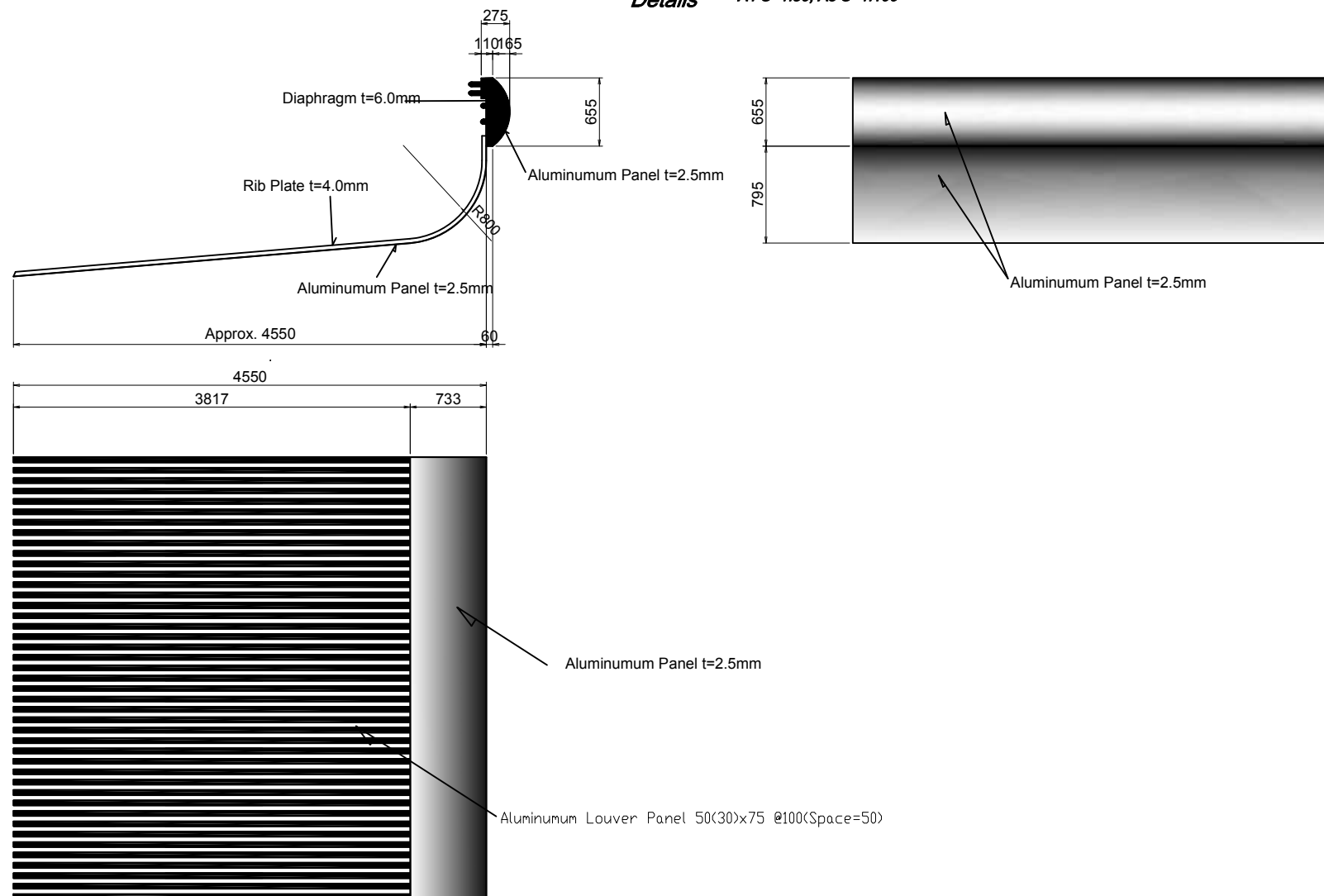
Indice / Révis	Date	Préparé par / Révisé par	Approuvé par	Description / Description	Statut / Statut
A	27/12/18	K.T	J.O T.K	PREMIERE VERSION	EXT

Format	A3	Fichier/ File : H-PA-EQ-001-DÉTAIL DES INSTALLATIONS DE DRAINAGE_排水部品図			
Émetteur / Auteur	Localisation / Localisation	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-EQ-001	A

COUVERTURE DE POUTRE AND CORNICHE
GIRDER COVER AND CORNICE A1 E=1:50, A3 E=1:100
 A1 S=1:50, A3 S=1:100



DÉTAILS
Details A1 E=1:50, A3 E=1:100
 A1 S=1:50, A3 S=1:100




(Notes)
 Louver Panel shall be removable for the maintenance.

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN

 **REPUBLIQUE DE COTE D'IVOIRE**
 Ministère de l'Équipement et de l'Entretien Routier

 **AGENCE DE GESTION DES ROUTES**

 **AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE**
 / JAPAN INTERNATIONAL COOPERATION AGENCY

 **ORIENTAL CONSULTANTS GLOBAL CO., LTD.**
 **INGÉROSEC CORPORATION**

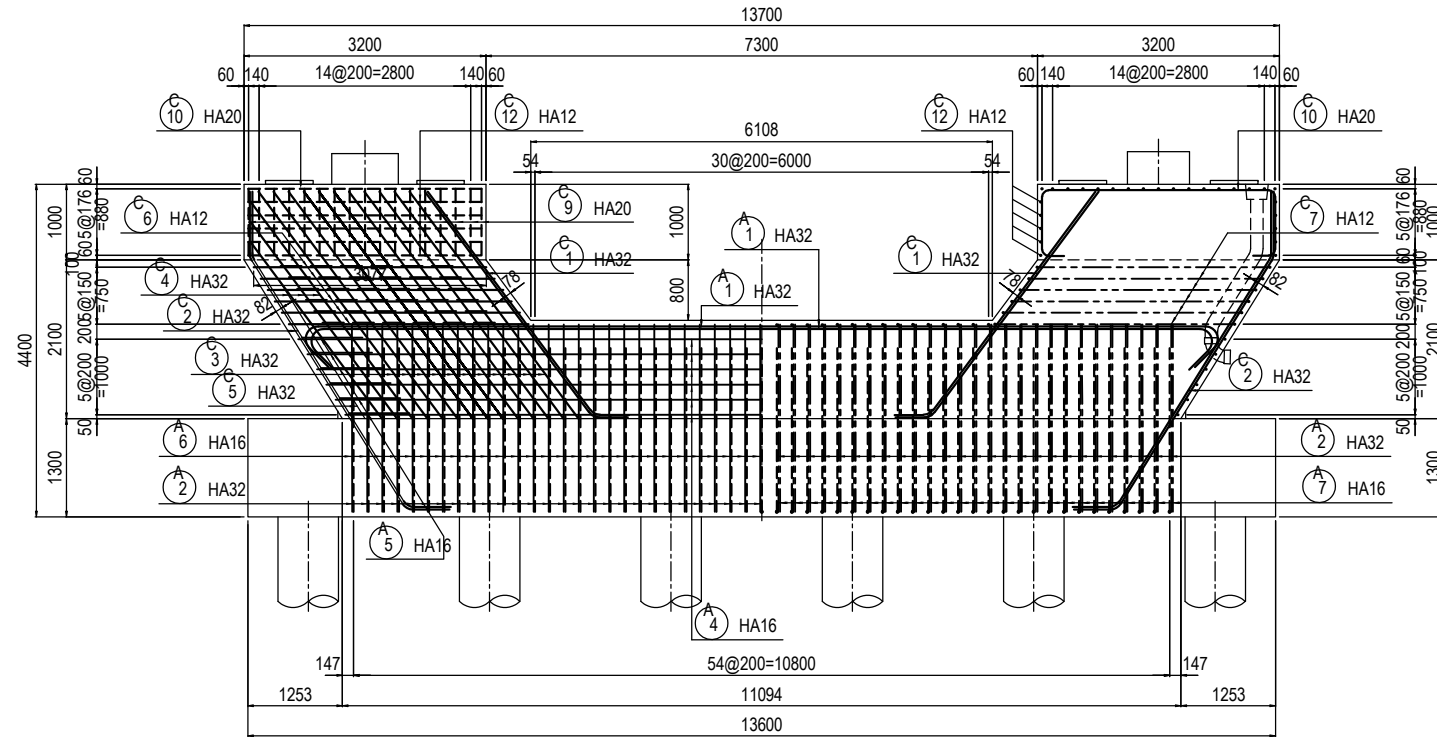
PALMERAIE
COUVERTURE DE POUTRE ET CORNICHE
GIRDER COVER AND CORNICE

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

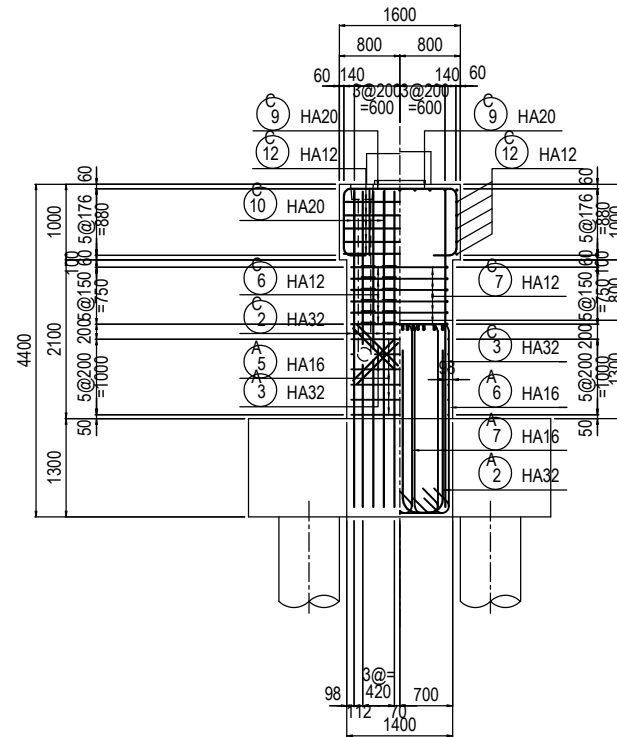
Format: A3 Fichier/ File: _____

Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-EQ-002	A

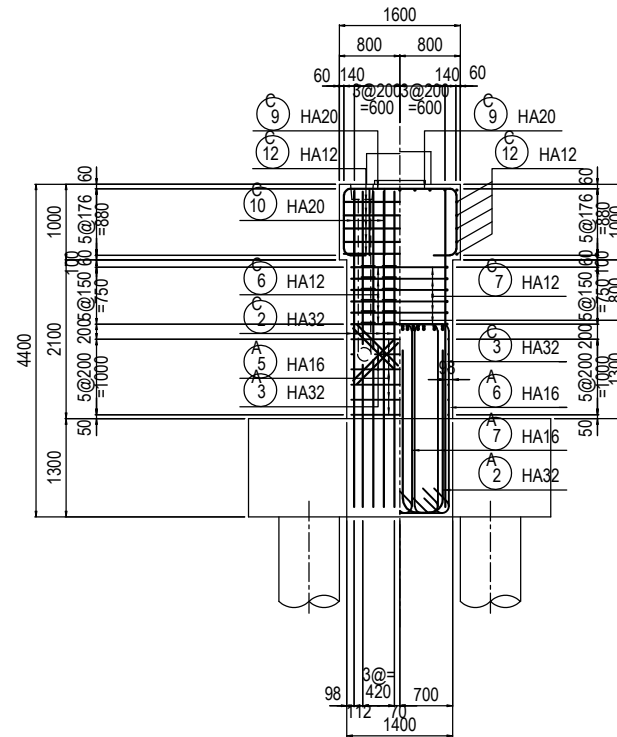
COUPE 1 - 1



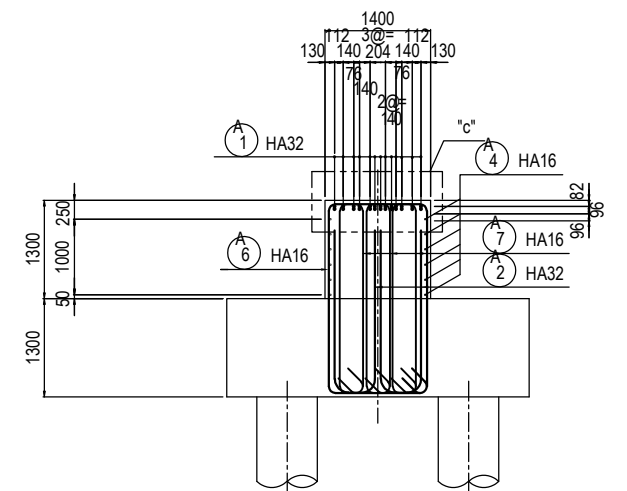
COUPE 2 - 2



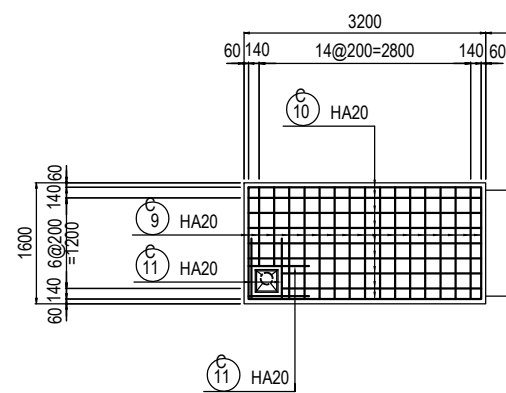
COUPE 3 - 3 COUPE 4 - 4



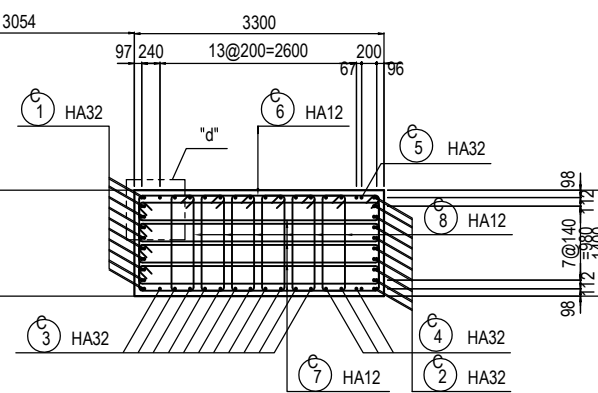
COUPE 5 - 5



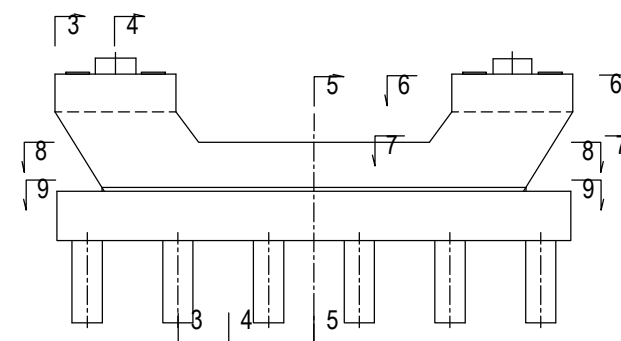
COUPE 6 - 6



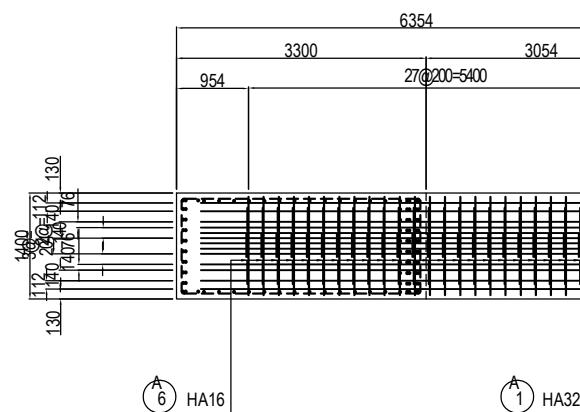
COUPE 7 - 7



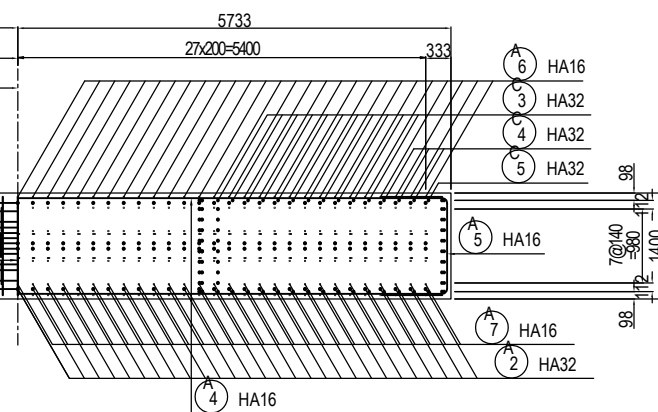
POSITION DE LA SECTION / POSITION OF THE SECTION



COUPE 8 - 8



COUPE 9 - 9



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
PILE P1 - FERRAILLAGE (1)
A1 E=1:50, A3 E=1:100
PIER P1 - BAR ARRANGEMENT (1)
A1 S=1:50, A3 S=1:100

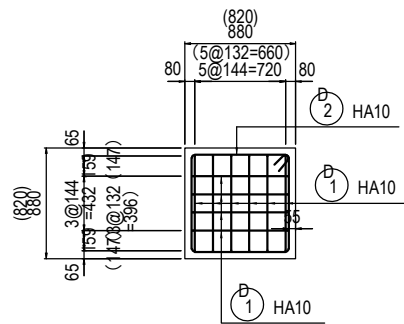
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier / File				
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-001	A	

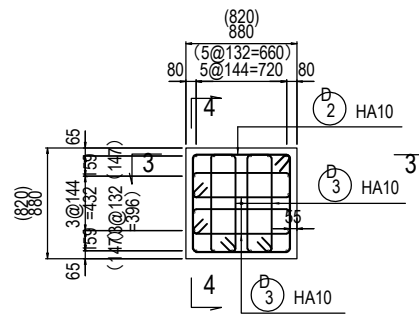
BARRE ARRIERE POUR APPAREILES D'APPUIS
/REBAR ARRANGEMENT FOR BEARINGS

A1 E=1:30, A3 E=1:60 A1 S=1:30, A3 S=1:60

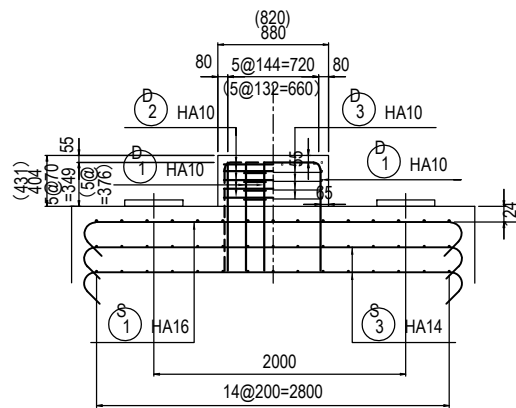
COUPE 1 - 1



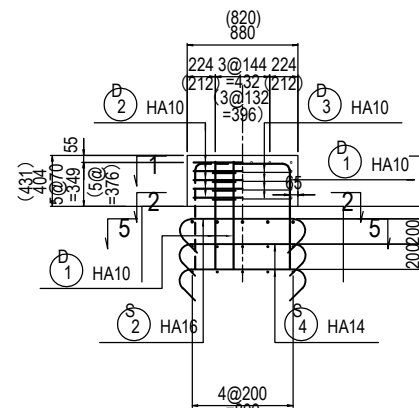
COUPE 2 - 2



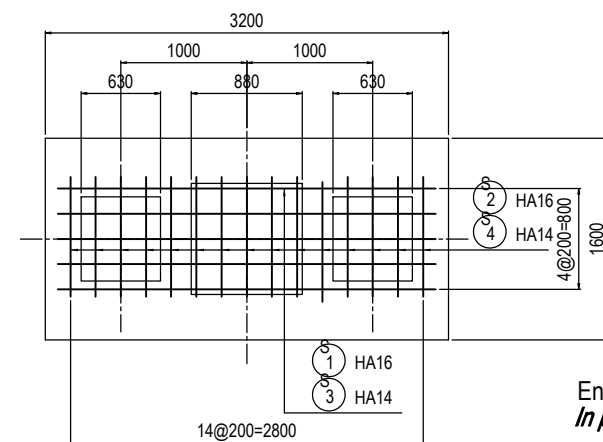
COUPE 3 - 3



COUPE 4 - 4



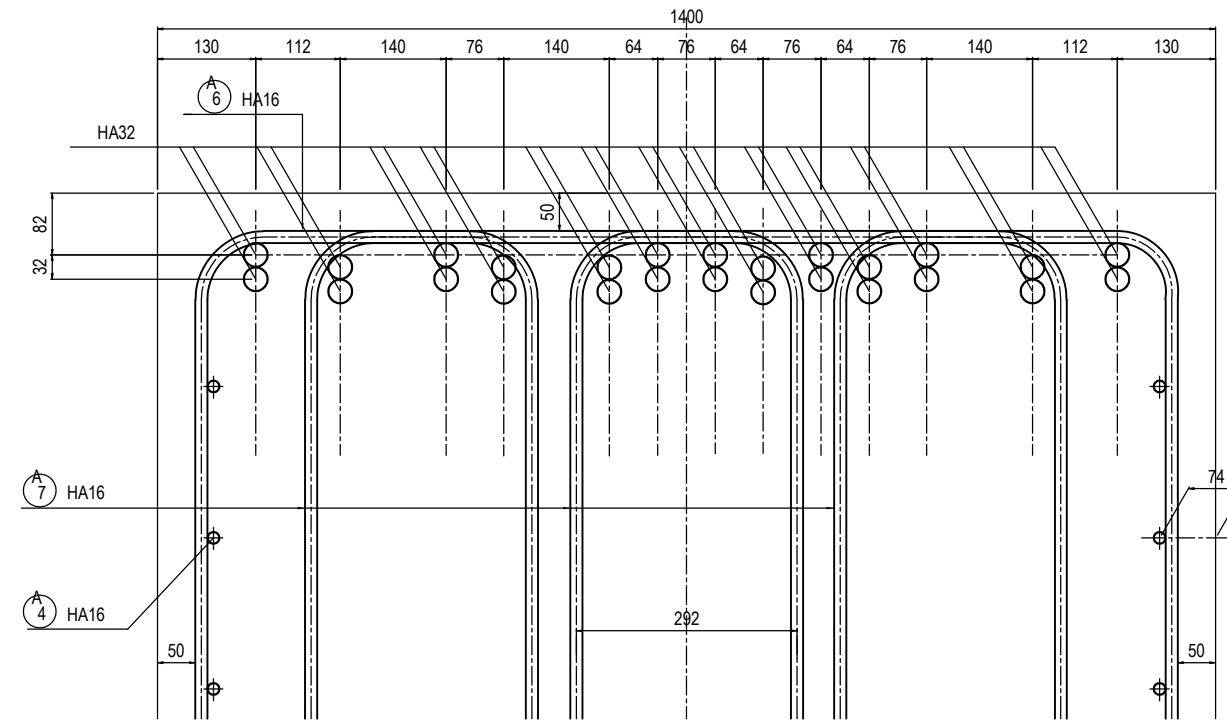
COUPE 5 - 5



Entre parentheses dimensions pour B2.
 In parentheses dimensions for B2.

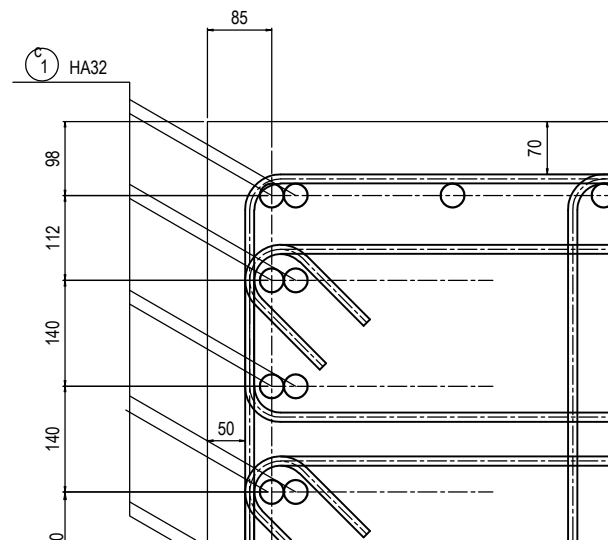
DETAIL "c" / DETAIL "c"

A1 E=1:10, A3 E=1:20
 A1 S=1:10, A3 S=1:20



DETAIL "d" / DETAIL "d"

A1 E=1:10, A3 E=1:20
 A1 S=1:10, A3 S=1:20



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
 / JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



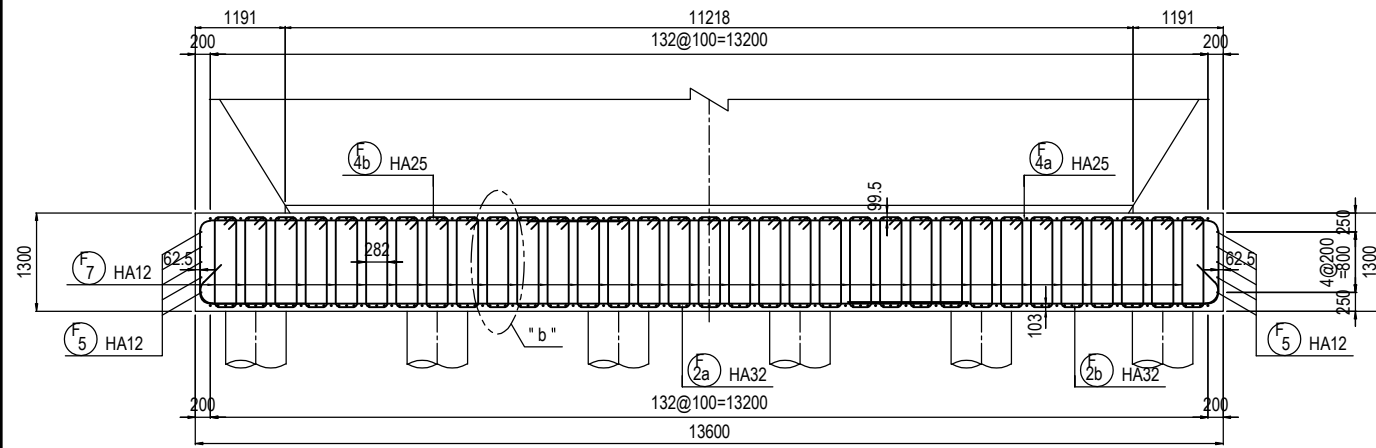
INGÉROSEC CORPORATION

PALMERAIE
PILE P1 - FERRAILLAGE (2)
PIER P1 - BAR ARRANGEMENT (2)

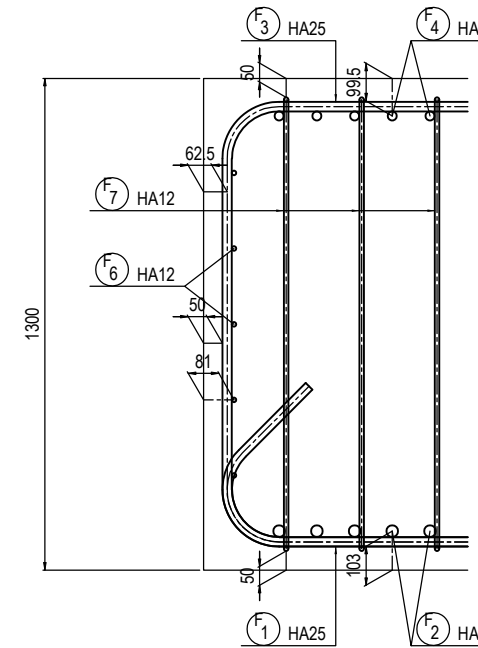
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier / File			
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCC, ISEC	BFM	PONT	DESSINS	H-RT-FE-002	A

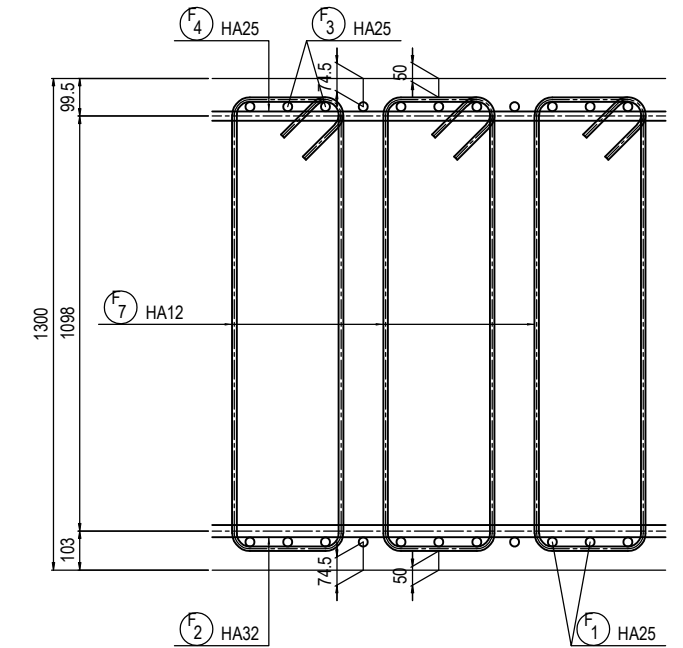
A1 E=1:50, A3 E=1:100
 A1 S=1:50, A3 S=1:100
 COUPE 1 - 1



DETAIL "a" / DETAIL "a"
 A1 E=1:5, A3 E=1:10
 A1 S=1:5, A3 S=1:10

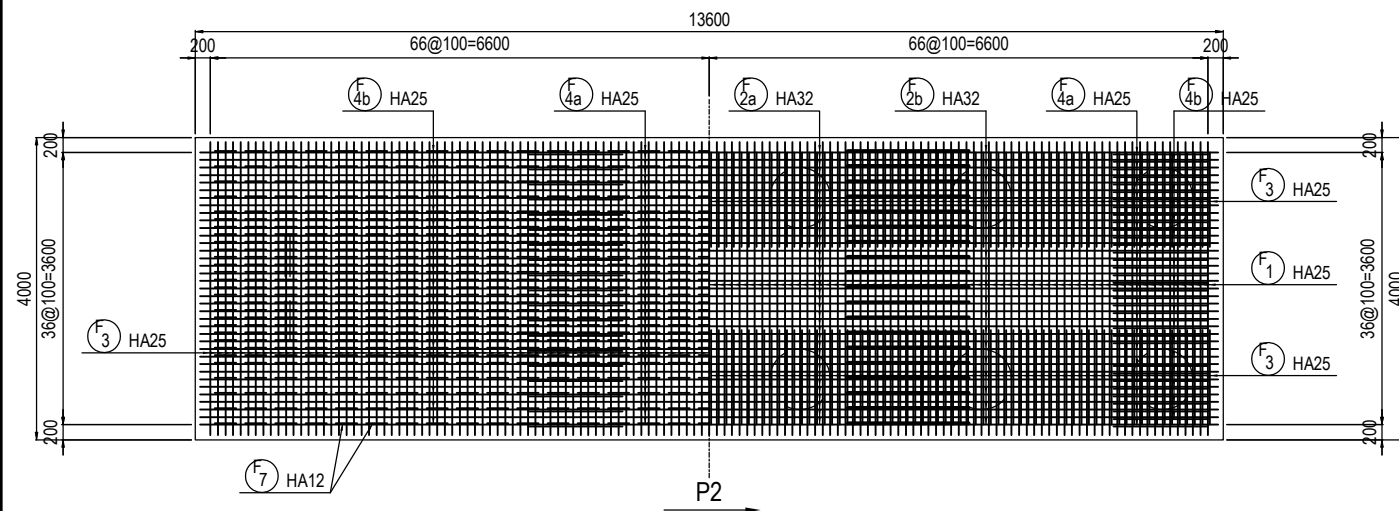


DETAIL "b" / DETAIL "b"
 A1 E=1:5, A3 E=1:10
 A1 S=1:5, A3 S=1:10

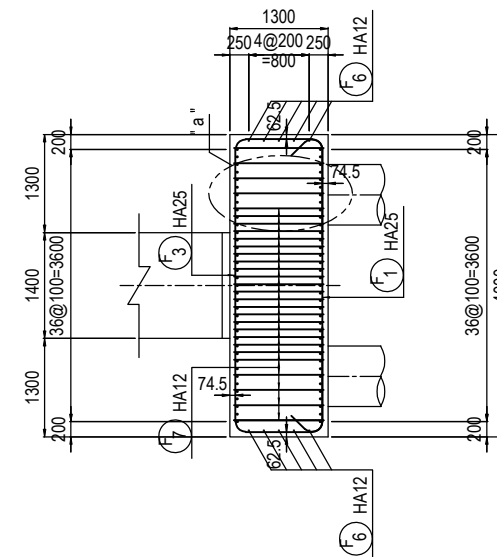


COUPE 2 - 2

COUPE 3 - 3

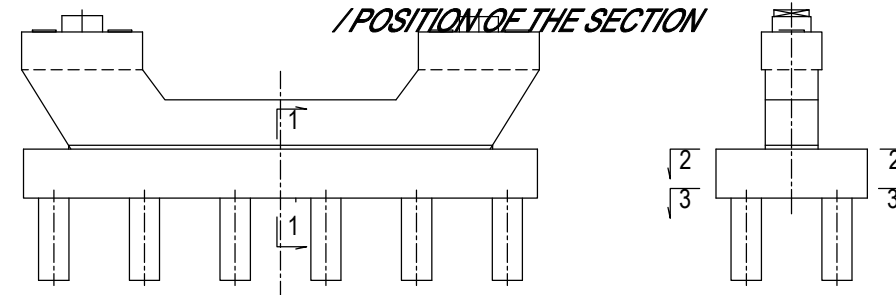


COUPE 4 - 4



POSITION DE LA SECTION
 / POSITION OF THE SECTION

POSITION DE LA SECTION
 / POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
 Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
 / JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.

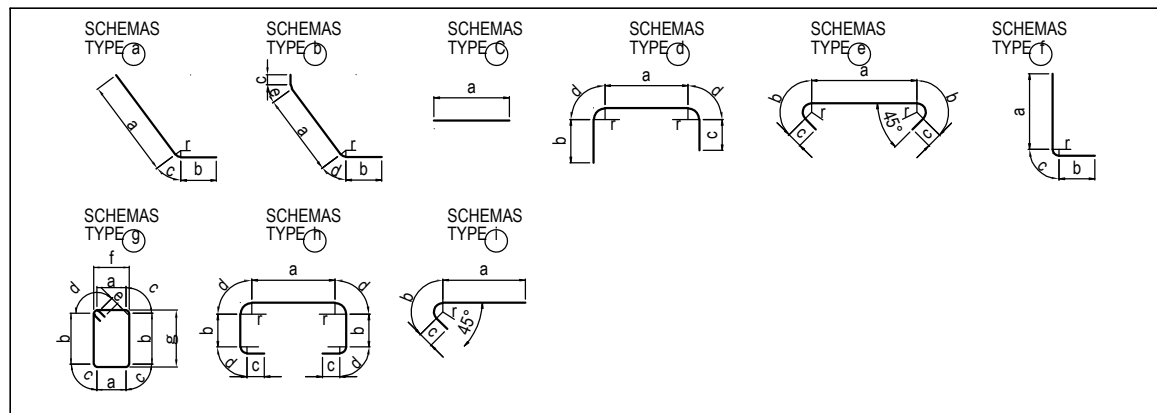


INGÉROSEC CORPORATION

PALMERAIE
 PILE P1 - FERRAILLAGE (3)
 PIER P1 - BAR ARRANGEMENT (3)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier / File :		Type de document / Type of document	N° / No.	Indice / Index
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-003	A	



NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
QUANTITE D'ARMATURES POUR UN PILE / QUANTITY OF REBARS FOR A PIER														
C 1	HA	32	(a)	3.60	0.38	0.15	---	---	---	---	0.182	4.13	40	165.20
C 2	HA	32	(b)	3.78	0.38	0.82	0.17	0.09	---	---	0.182	5.24	40	209.60
C 3	HA	32	(c)	3.74	---	---	---	---	---	---	---	3.74	44	164.56
C 4	HA	32	(c)	3.56 ~2.89	---	---	---	---	---	---	---	3.23	12	38.76
C 5	HA	32	(c)	2.14	---	---	---	---	---	---	---	2.14	4	8.56
C 6	HA	12	(g)	1.21 3.09 ~3.00	0.06	0.10	0.12	1.29	3.17 ~3.08	0.047	9.13	12	109.56	
C 7	HA	12	(g)	0.14 3.09 ~3.00	0.06	0.10	0.12	0.22	3.17 ~3.08	0.047	6.99	48	335.52	
C 8	HA	12	(g)	0.20	1.21	0.06	0.10	0.12	0.28	1.29	0.047	3.44	72	247.68
C 9	HA	20	(h)	1.24	0.66	0.24	0.17	---	---	---	0.091	3.72	34	126.48
C 10	HA	20	(h)	2.84	0.66	0.24	0.17	---	---	---	0.091	5.32	18	95.76
C 11	HA	20	(c)	0.80	---	---	---	---	---	---	---	0.80	4	3.20
C 12	HA	12	(g)	1.41	3.01	0.06	0.10	0.12	1.49	3.09	0.047	9.46	14	132.44
A 1-1	HA	32	(e)	11.74	0.39	0.38	---	---	---	---	0.182	13.28	13	172.64
A 1-2	HA	32	(e)	11.58	0.39	0.38	---	---	---	---	0.182	13.12	13	170.56
A 2	HA	32	(d)	0.17	1.96	1.96	0.26	---	---	---	0.182	4.61	110	507.10
A 3	HA	32	(c)	0.80	---	---	---	---	---	---	---	0.80	4	3.20
A 4	HA	16	(c)	12.27 ~11.02	---	---	---	---	---	---	---	11.65	12	139.80
A 5	HA	16	(d)	1.09	0.80	0.80	0.13	---	---	---	0.091	2.95	12	35.40
A 6	HA	16	(g)	1.12	2.30	0.13	0.20	0.16	1.28	2.48	0.091	7.95	55	437.25
A 7	HA	16	(g)	0.13	2.30	0.13	0.20	0.16	0.29	2.48	0.091	5.97	220	1313.40
F 1	HA	25	(e)	3.60	0.32	0.25	---	---	---	---	0.150	4.74	133	630.42
F 2a	HA	32	(i)	10.00	0.39	0.32	---	---	---	---	0.182	10.71	37	396.27
F 2b	HA	32	(i)	4.74	0.39	0.32	---	---	---	---	0.182	5.45	37	201.65
F 3	HA	25	(h)	3.60	0.88	1.25	0.22	---	---	---	0.150	8.74	133	1162.42
F 4a	HA	25	(d)	0.83	9.00	1.25	0.22	---	---	---	0.150	11.52	37	426.24
F 4b	HA	25	(d)	0.83	5.45	1.25	0.22	---	---	---	0.150	7.97	37	294.89
F 5	HA	12	(d)	3.73	0.60	0.60	0.09	---	---	---	0.062	5.11	10	51.10
F 6a	HA	12	(c)	10.00	---	---	---	---	---	---	---	10.00	10	100.00
F 6b	HA	12	(c)	3.93	---	---	---	---	---	---	---	3.93	10	39.30
F 7	HA	12	(g)	0.20	1.11	0.06	0.10	0.12	0.28	1.19	0.047	3.24	957	3100.68

NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
B1														
S 1	HA	16	(e)	2.83	0.20	0.16	---	---	---	---	0.091	3.55	5	17.75
S 2	HA	16	(e)	0.83	0.20	0.16	---	---	---	---	0.091	1.55	15	23.25
S 3	HA	14	(e)	2.84	0.19	0.14	---	---	---	---	0.089	3.50	10	35.00
S 4	HA	14	(e)	0.84	0.19	0.14	---	---	---	---	0.089	1.50	30	45.00
D 1	HA	10	(d)	0.64	0.90	0.90	0.09	---	---	---	0.060	2.62	10	26.20
D 2	HA	10	(g)	0.72	0.72	0.04	0.06	0.10	0.77	0.77	0.030	3.32	5	16.60
D 3	HA	10	(g)	0.14	0.72	0.04	0.06	0.10	0.20	0.77	0.030	2.16	16	34.56
B2														
S 1	HA	16	(e)	2.83	0.20	0.16	---	---	---	---	0.091	3.55	5	17.75
S 2	HA	16	(e)	0.83	0.20	0.16	---	---	---	---	0.091	1.55	15	23.25
S 3	HA	14	(e)	2.84	0.19	0.14	---	---	---	---	0.089	3.50	10	35.00
S 4	HA	14	(e)	0.84	0.19	0.14	---	---	---	---	0.089	1.50	30	45.00
D 1	HA	10	(d)	0.58	0.90	0.90	0.09	---	---	---	0.060	2.56	10	25.60
D 2	HA	10	(g)	0.66	0.66	0.04	0.06	0.10	0.71	0.71	0.030	3.08	5	15.40
D 3	HA	10	(g)	0.13	0.66	0.04	0.06	0.10	0.19	0.71	0.030	2.02	16	32.32

* La dimension radiale indique l'exterieur de la barre.

RECAOITUATIF ACIERS / SUMMARY STEELS

HA	10	12	14	16	20	25	32	
POIDS (kg/m)	0.617	0.888	1.208	1.578	2.466	3.854	6.315	
LONG (m)	150.68	4116.28	160.00	2007.85	225.44	2513.97	2038.10	TOTAL
POIDS (kg)	92.97	3655.26	193.28	3168.39	555.94	9688.84	12870.60	30225.28

TOTAL POUR P1 / TOTAL FOR P1

POIDS TOTAL(kg) : 30225.28

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
PILE P1 - FERRAILLAGE (4)
PIER P1 - BAR ARRANGEMENT (4)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier/ File :			
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-004	A

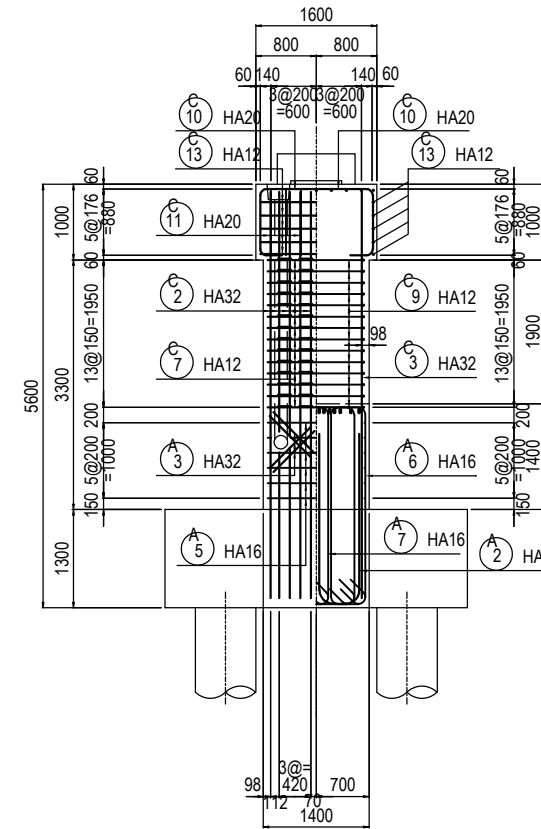
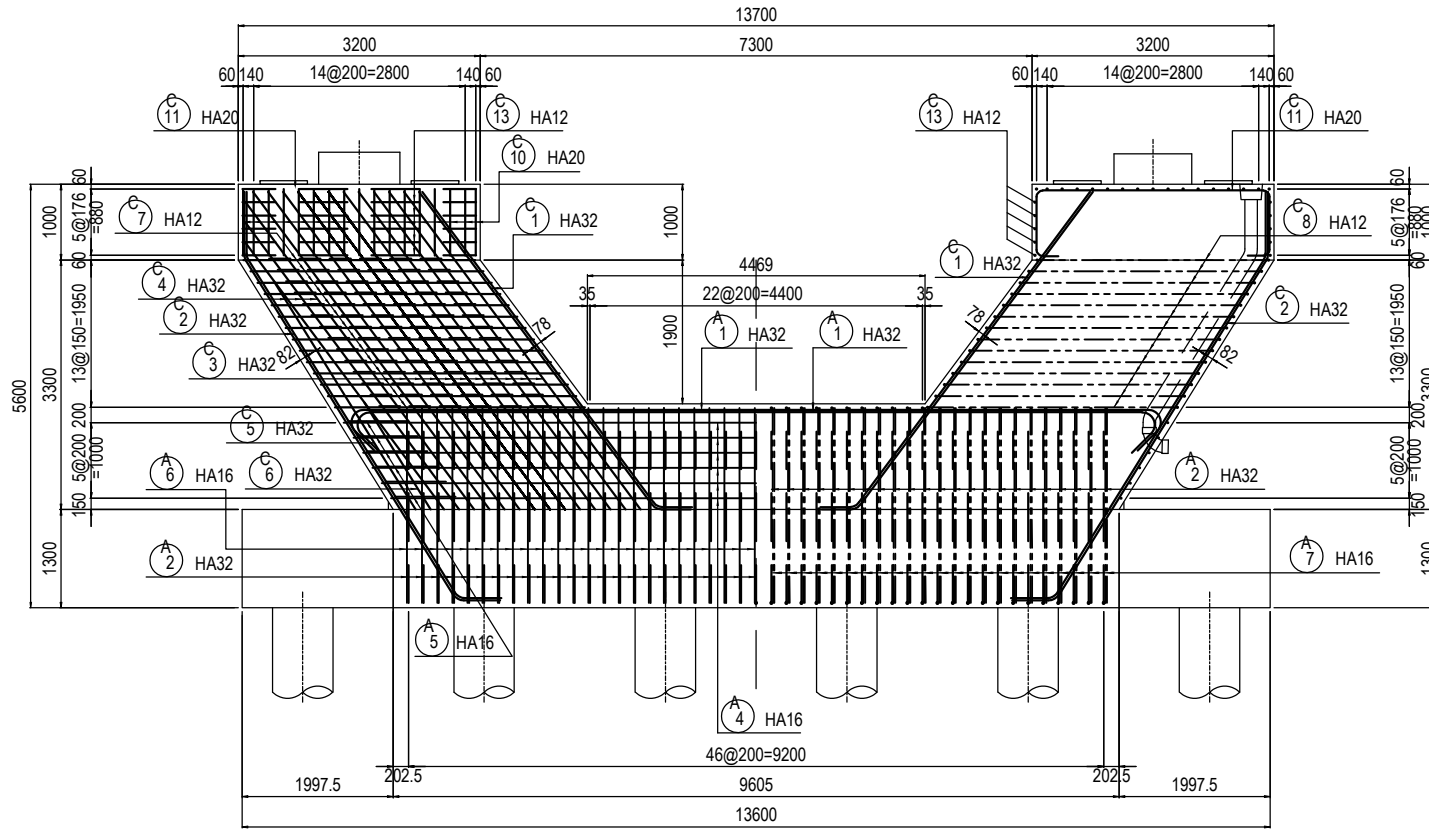
A1 E=1:50, A3 E=1:100
A1 S=1:50, A3 S=1:100

COUPE 1 - 1

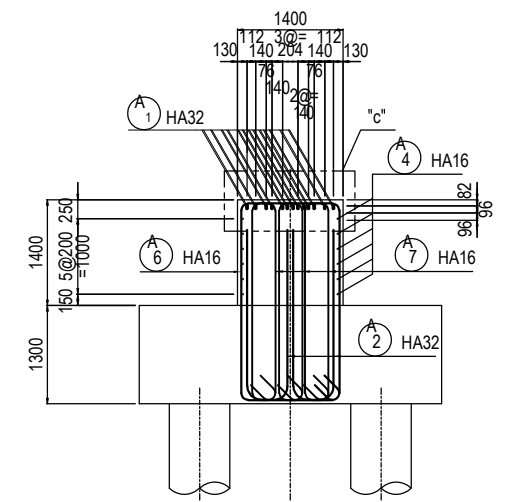
COUPE 2 - 2

COUPE 3 - 3

COUPE 4 - 4

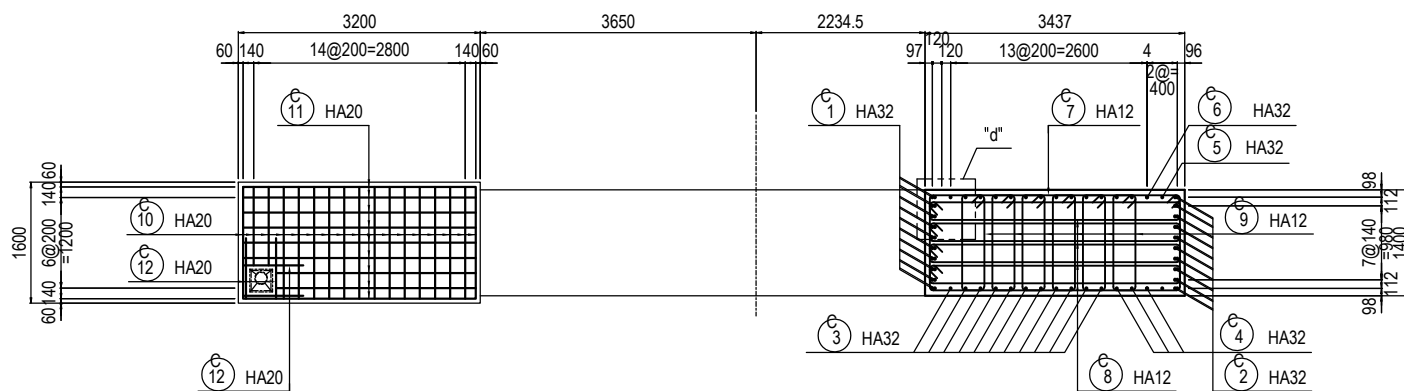


COUPE 5 - 5

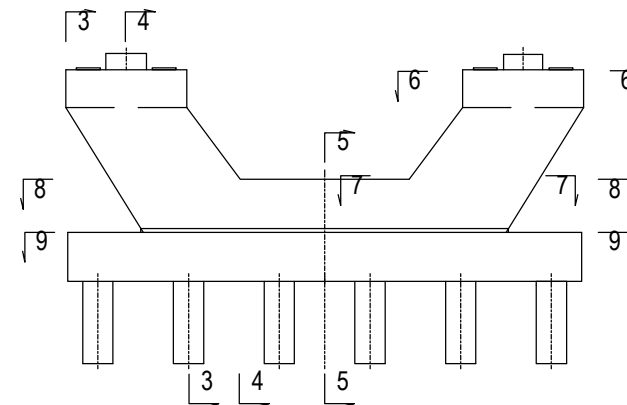


COUPE 6 - 6

COUPE 7 - 7

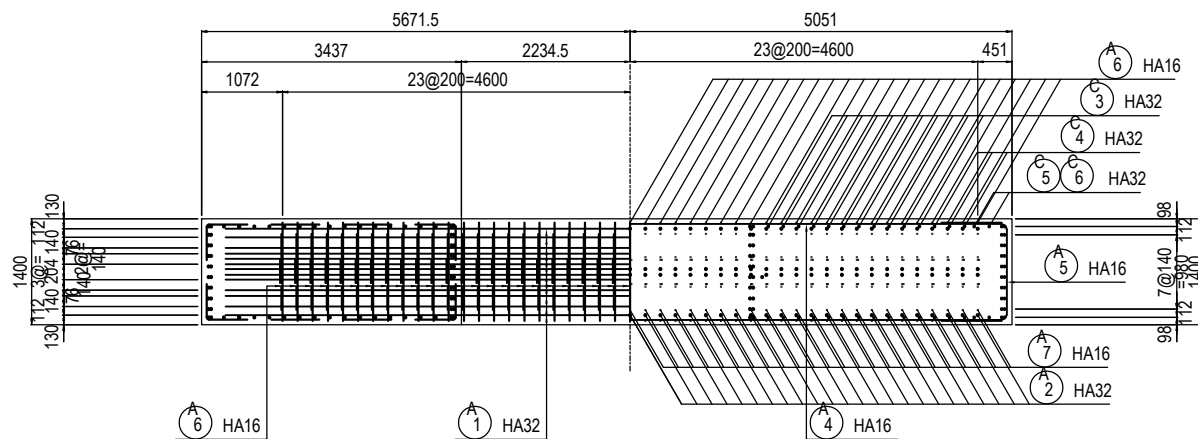


POSITION DE LA SECTION / POSITION OF THE SECTION



COUPE 8 - 8

COUPE 9 - 9



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE / JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE

PILE P2 - FERRAILLAGE (1)

A1 E=1:50, A3 E=1:100

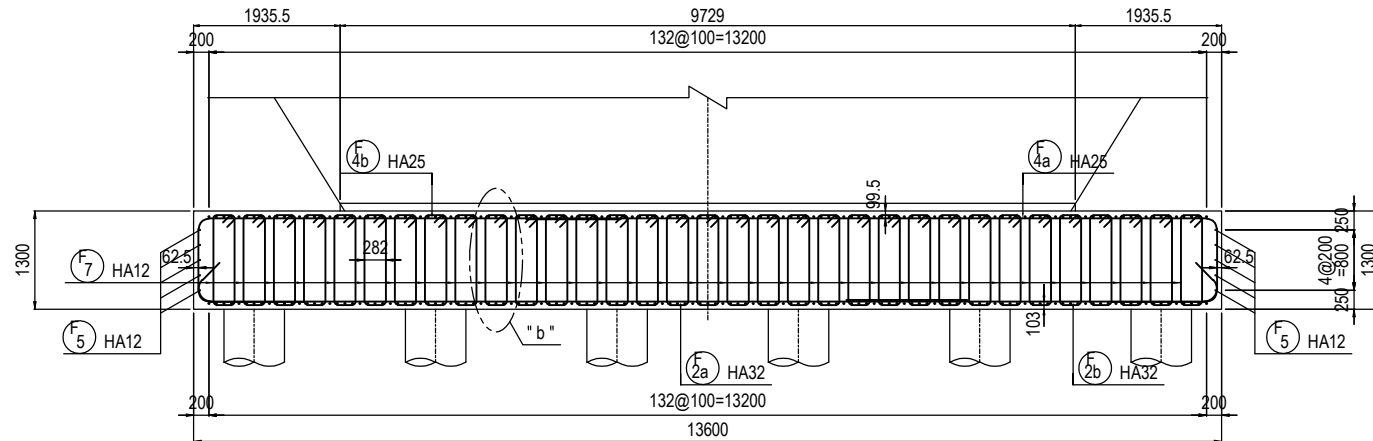
PIER P2 - BAR ARRANGEMENT (1)

A1 S=1:50, A3 S=1:100

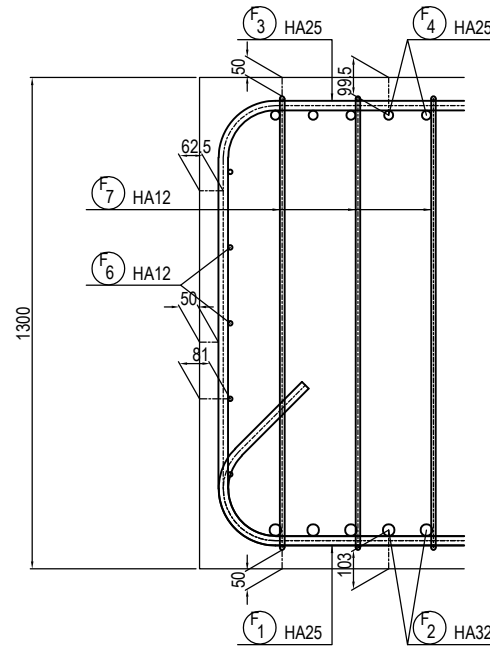
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier / File
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity
OCC, ISEC	BFM	PONT
		Type de document / Type of document
		DESSINS
		N° / No.
		H-PA-FE-005
		Indice / Index
		A

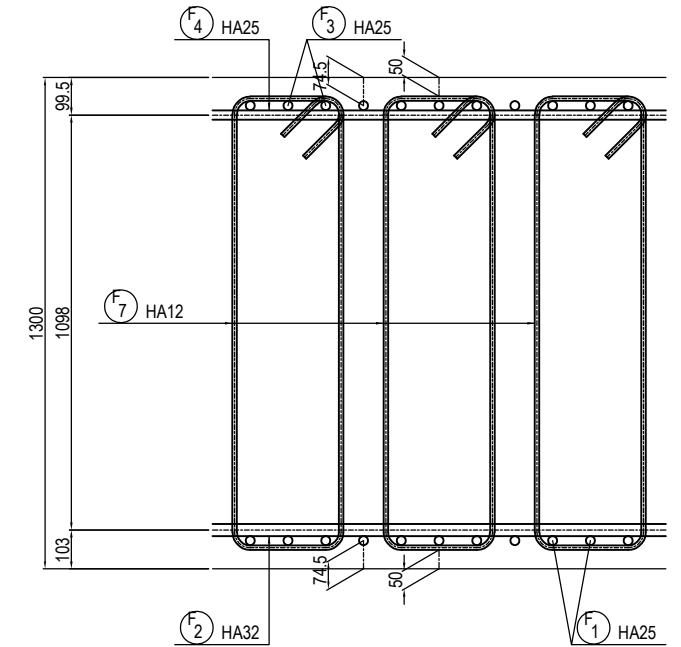
A1 E=1:50, A3 E=1:100
 A1 S=1:50, A3 S=1:100
 COUPE 1 - 1



DETAIL "a" / DETAIL "a"
 A1 E=1:5, A3 E=1:10
 A1 S=1:5, A3 S=1:10

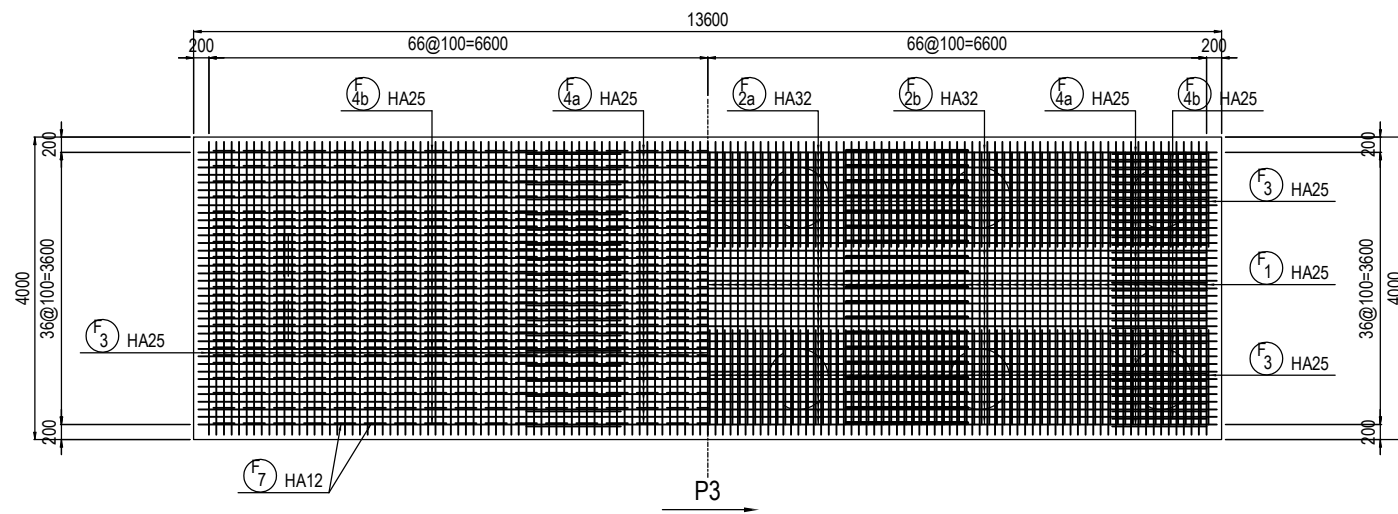


DETAIL "b" / DETAIL "b"
 A1 E=1:5, A3 E=1:10
 A1 S=1:5, A3 S=1:10

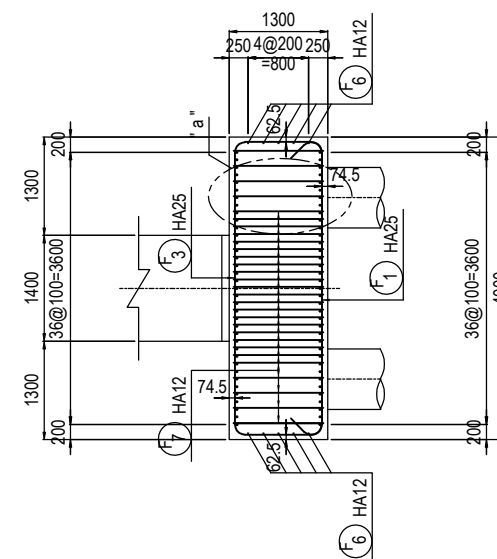


COUPE 2 - 2

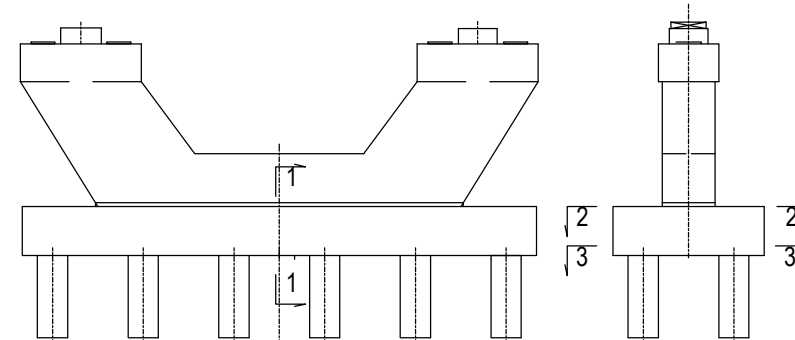
COUPE 3 - 3



COUPE 4 - 4



POSITION DE LA SECTION
 / POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
 / JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



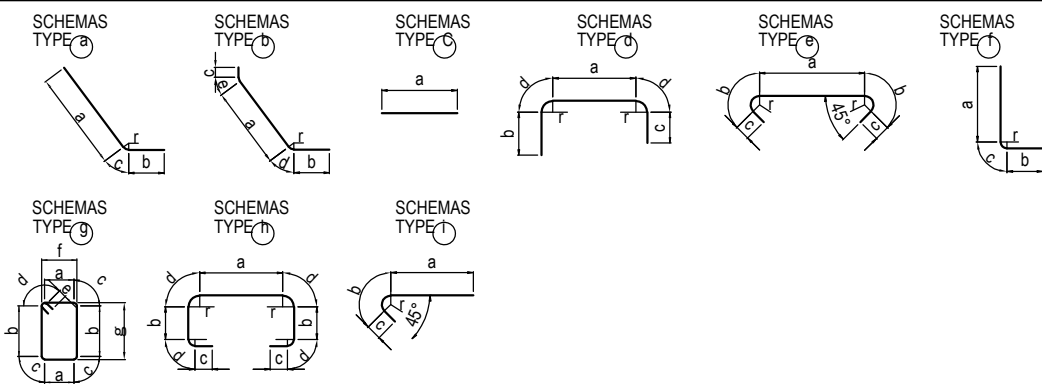
INGÉROSEC CORPORATION

PALMERAIE
 PILE P2 - FERRAILLAGE (3)
 PIER P2 - BAR ARRANGEMENT (3)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier / File		Type de document / Type of document	N° / No.	Indice / Index
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-007	A	

NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
QUANTITE D'ARMATURES POUR UN PILE / QUANTITY OF REBARS FOR A PIER														
C 1	HA	32	(a)	5.11	0.38	0.15	—	—	—	—	0.182	5.64	40	202.56
C 2	HA	32	(b)	5.19	0.38	0.82	0.17	0.09	—	—	0.182	6.65	40	266.00
C 3	HA	32	(c)	5.24	—	—	—	—	—	—	—	5.24	44	230.56
C 4	HA	32	(c)	5.06	—	—	—	—	—	—	—	4.73	12	56.76
C 5	HA	32	(c)	3.55	—	—	—	—	—	—	—	3.55	4	14.20
C 6	HA	32	(c)	1.66	—	—	—	—	—	—	—	1.66	4	6.64
C 7	HA	12	(g)	1.21	3.23 ~2.98	0.06	0.10	0.12	1.29	3.31 ~3.06	0.047	9.25	28	259.00
C 8	HA	12	(g)	0.14	3.23 ~2.98	0.06	0.10	0.12	0.22	3.06 ~3.31	0.047	7.11	112	796.32
C 9	HA	12	(g)	0.20	1.21	0.06	0.10	0.12	0.28	1.29	0.047	3.44	168	818.72
C 10	HA	20	(h)	1.24	0.66	0.24	0.17	—	—	—	0.091	3.72	34	126.48
C 11	HA	20	(h)	2.84	0.66	0.24	0.17	—	—	—	0.091	5.32	18	95.76
C 12	HA	20	(c)	0.80	—	—	—	—	—	—	—	0.80	4	3.20
C 13	HA	12	(g)	1.41	3.01	0.06	0.10	0.12	1.49	3.09	0.047	9.46	10	94.60
A 1-1	HA	32	(e)	9.75	0.39	0.38	—	—	—	—	0.182	11.29	13	146.77
A 1-2	HA	32	(e)	9.60	0.39	0.38	—	—	—	—	0.182	11.14	13	144.82
A 2	HA	32	(d)	0.20	2.07	2.07	0.26	—	—	—	0.182	4.86	94	456.84
A 3	HA	32	(c)	0.80	—	—	—	—	—	—	—	0.80	4	3.20
A 4	HA	16	(c)	10.75	~9.49	—	—	—	—	—	—	10.12	12	121.44
A 5	HA	16	(e)	1.09	0.80	0.80	0.13	—	—	—	0.091	2.95	12	35.40
A 6	HA	16	(g)	1.12	2.42	0.13	0.20	0.16	1.28	2.58	0.091	8.19	47	384.93
A 7	HA	16	(g)	0.14	2.42	0.13	0.20	0.16	0.31	2.58	0.091	6.23	188	1171.24
F 1	HA	25	(e)	3.60	0.32	0.25	—	—	—	—	0.150	4.74	133	630.42
F 2a	HA	32	(l)	10.00	0.39	0.32	—	—	—	—	0.182	10.71	37	396.27
F 2b	HA	32	(l)	4.74	0.39	0.32	—	—	—	—	0.182	5.45	37	201.65
F 3	HA	25	(h)	3.60	0.88	1.25	0.22	—	—	—	0.150	8.74	133	1162.42
F 4a	HA	25	(d)	0.83	9.00	1.25	0.22	—	—	—	0.150	11.52	37	426.24
F 4b	HA	25	(d)	0.83	5.45	1.25	0.22	—	—	—	0.150	7.97	37	294.89
F 5	HA	12	(d)	3.73	0.60	0.60	0.09	—	—	—	0.062	5.11	10	51.10
F 6a	HA	12	(c)	10.00	—	—	—	—	—	—	—	10.00	10	100.00
F 6b	HA	12	(c)	3.93	—	—	—	—	—	—	—	3.93	10	39.30
F 7	HA	12	(g)	0.20	1.11	0.06	0.10	0.12	0.28	1.19	0.047	3.24	957	3100.68



NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
B1														
S 1	HA	16	(e)	2.83	0.20	0.16	—	—	—	—	0.091	3.55	5	17.75
S 2	HA	16	(e)	0.83	0.20	0.16	—	—	—	—	0.091	1.55	15	23.25
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	10	35.00
S 4	HA	14	(e)	0.84	0.19	0.14	—	—	—	—	0.089	1.50	30	45.00
D 1	HA	10	(d)	0.71	0.90	0.90	0.09	—	—	—	0.060	2.51	10	25.10
D 2	HA	10	(g)	0.79	0.79	0.04	0.06	0.10	0.84	0.84	0.030	3.60	5	18.00
D 3	HA	10	(g)	0.16	0.79	0.04	0.06	0.10	0.21	0.84	0.030	2.34	16	37.44
B2														
S 1	HA	16	(e)	2.83	0.20	0.16	—	—	—	—	0.091	3.55	5	17.75
S 2	HA	16	(e)	0.83	0.20	0.16	—	—	—	—	0.091	1.55	15	23.25
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	10	35.00
S 4	HA	14	(e)	0.84	0.19	0.14	—	—	—	—	0.089	1.50	30	45.00
D 1	HA	10	(d)	0.66	0.90	0.90	0.09	—	—	—	0.060	2.64	10	26.40
D 2	HA	10	(g)	0.74	0.74	0.04	0.06	0.10	0.79	0.79	0.030	3.40	5	17.00
D 3	HA	10	(g)	0.15	0.74	0.04	0.06	0.10	0.20	0.79	0.030	2.22	16	35.52

* La dimension radiale indique l'exterieur de la barre.

RECAOITUATIF ACIERS / SUMMARY STEELS

	10	12	14	16	20	25	32	
HA								
POIDS (kg/m)	0.617	0.888	1.208	1.578	2.466	3.854	6.315	
LONG (m)	159.46	5259.72	160.00	1795.01	225.44	2513.97	2126.27	TOTAL
POIDS (kg)	98.39	4670.63	193.28	2832.53	555.94	9688.84	13427.40	31467.01

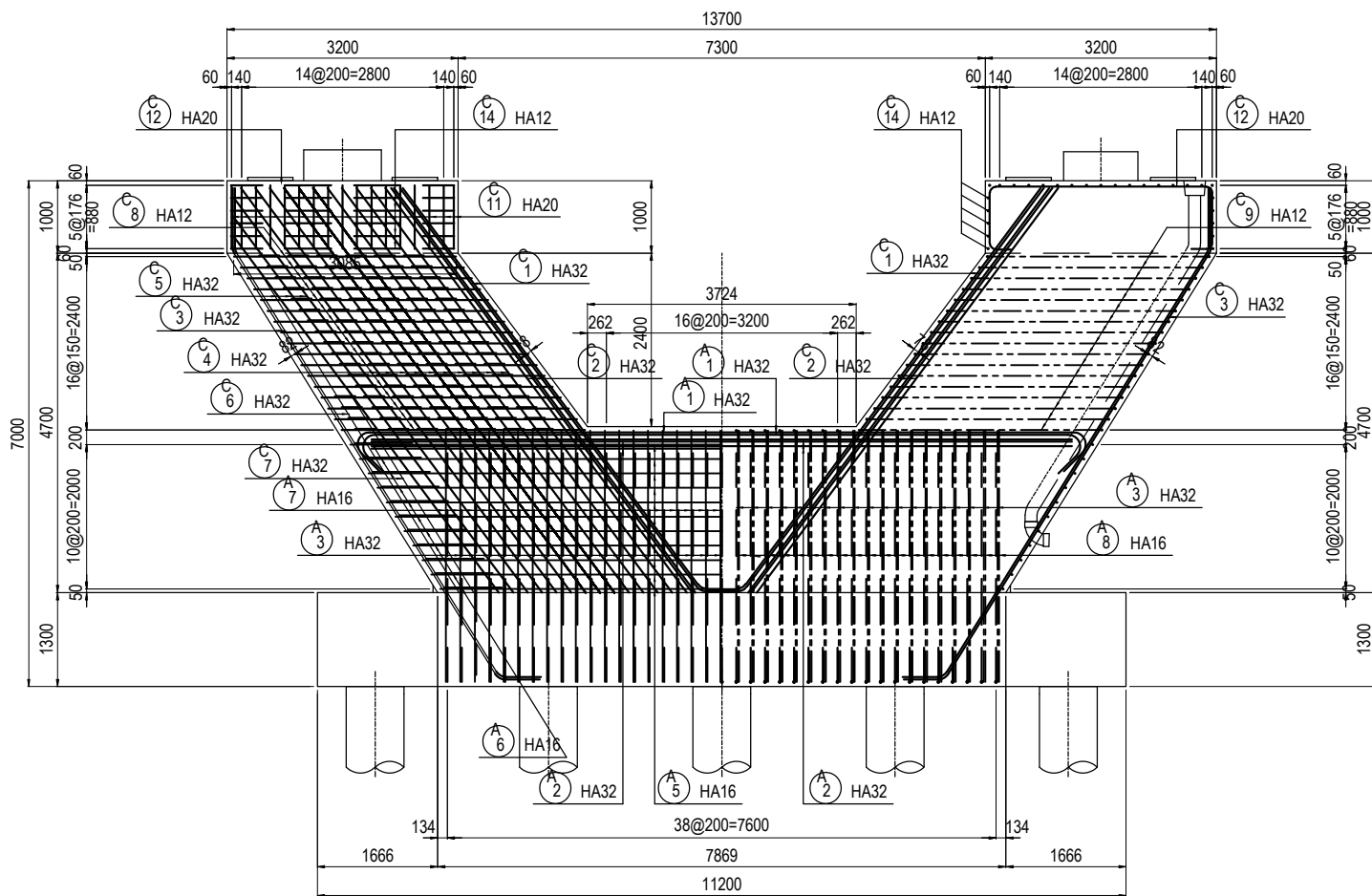
TOTAL POUR P2 / TOTAL FOR P2

POIDS TOTAL(kg) : 31467.01

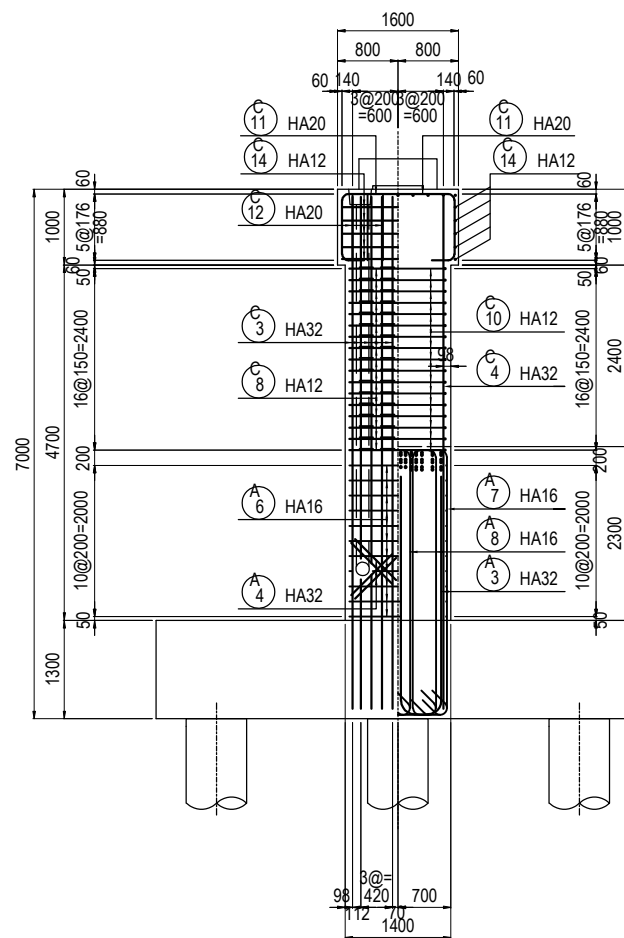
PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN						
		REPUBLICQUE DE COTE D'IVOIRE				
Ministère de l'Équipement et de l'Entretien Routier						
		AGENCE DE GESTION DES ROUTES				
		AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE / JAPAN INTERNATIONAL COOPERATION AGENCY				
		ORIENTAL CONSULTANTS GLOBAL CO., LTD.				
		INGÉROSEC CORPORATION				
PALMERAIE PILE P2 - FERRAILLAGE (4) PIER P2 - BAR ARRANGEMENT (4)						
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT
Format : A3 Fichier/ File :						
Emetteur / Issuer	Localisation / Location	Type d'ouvrage -Activité / Type of structure -Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCC,ISEC	BFM	PONT	DESSINS	H-PA-FE-008	A	

A1 E=1:50, A3 E=1:100
A1 S=1:50, A3 S=1:100

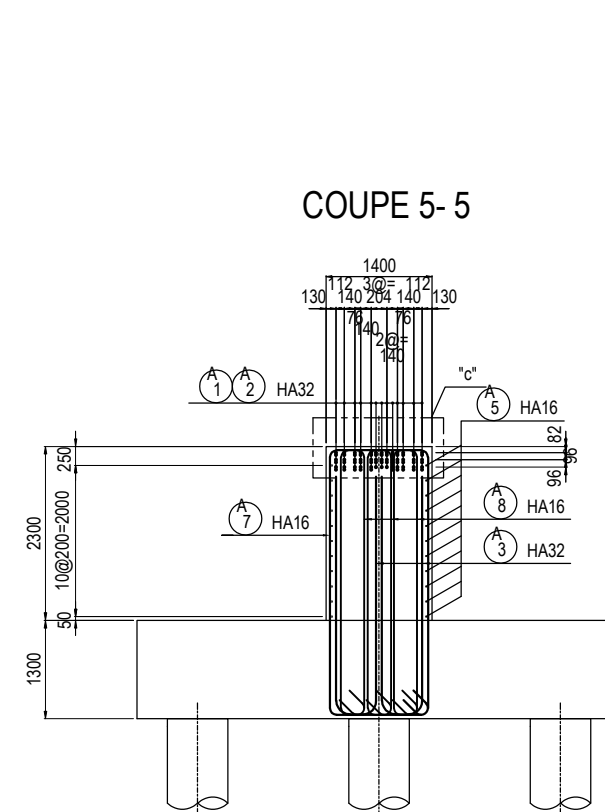
COUPE 1 - 1



COUPE 2 - 2

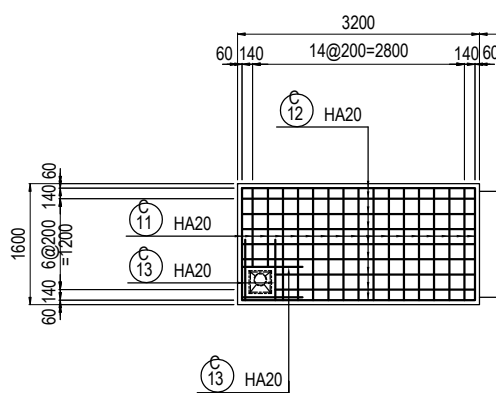


COUPE 3 - 3 COUPE 4 - 4

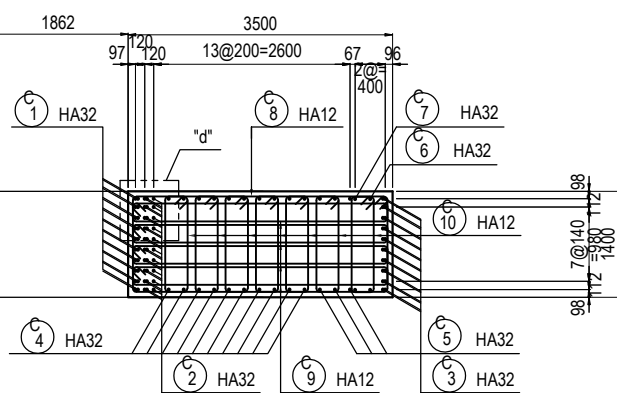


COUPE 5 - 5

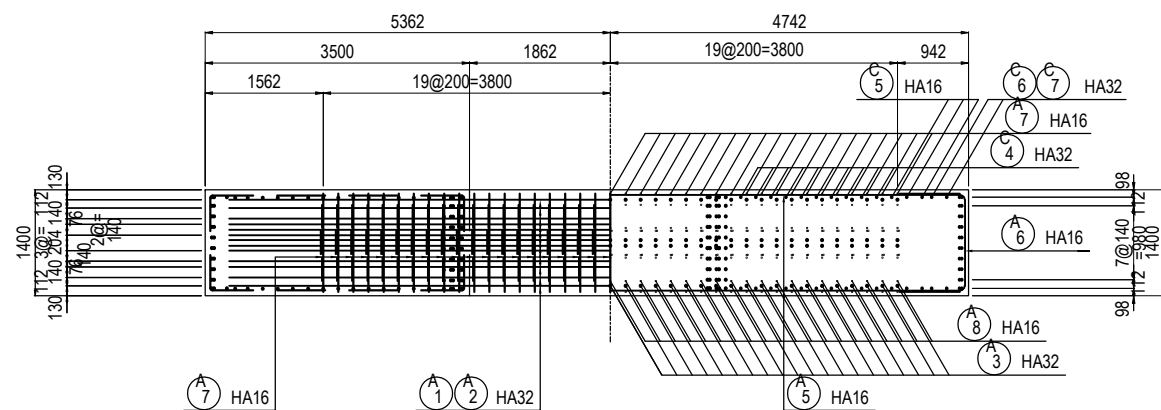
COUPE 6 - 6



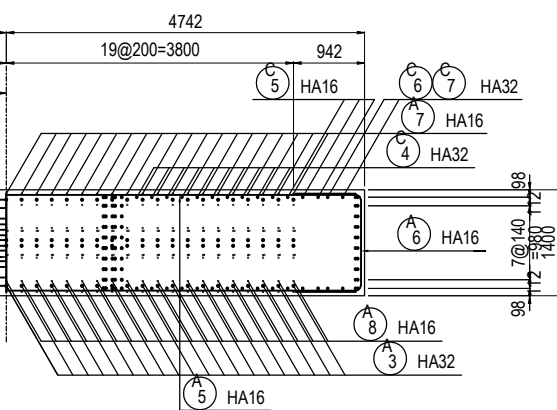
COUPE 7 - 7



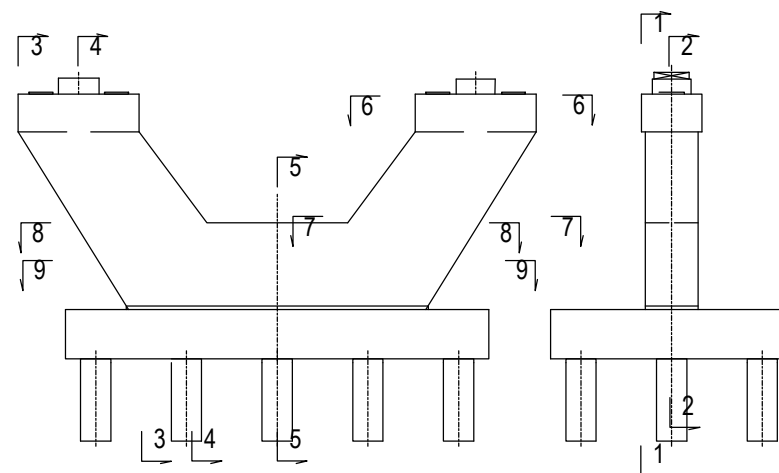
COUPE 8 - 8



COUPE 9 - 9



POSITION DE LA SECTION
/ POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
PILE P3 - FERRAILLAGE (1)
A1 E=1:50, A3 E=1:100
PIER P3 - BAR ARRANGEMENT (1)
A1 S=1:50, A3 S=1:100

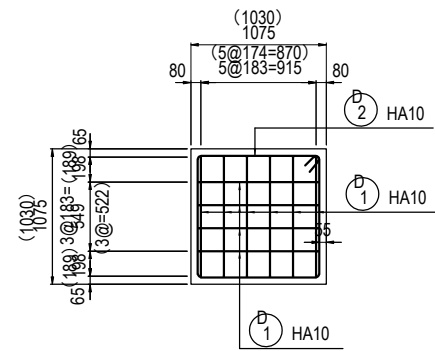
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-009	A

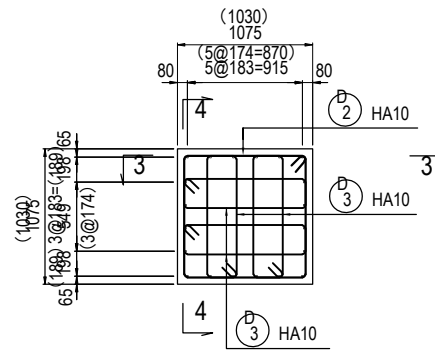
BARRE ARRIERE POUR APPAREILS D'APPUI
/ REBAR ARRANGEMENT FOR BEARINGS

A1 E=1:30, A3 E=1:60 A1 S=1:30, A3 S=1:60

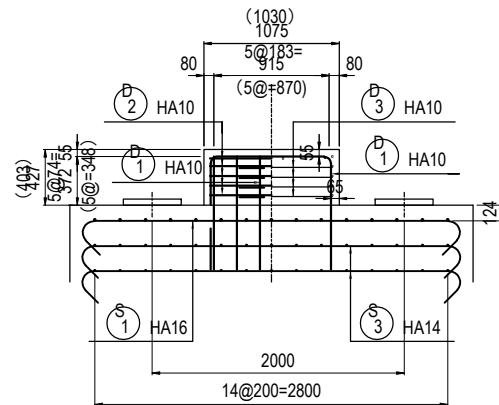
COUPE 1 - 1



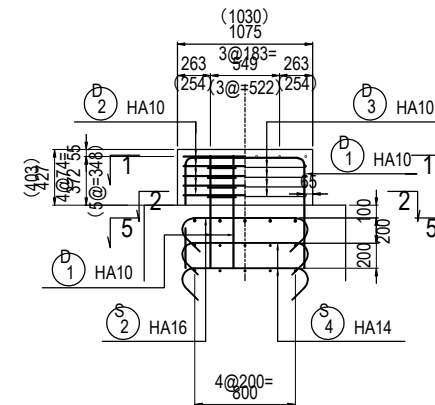
COUPE 2 - 2



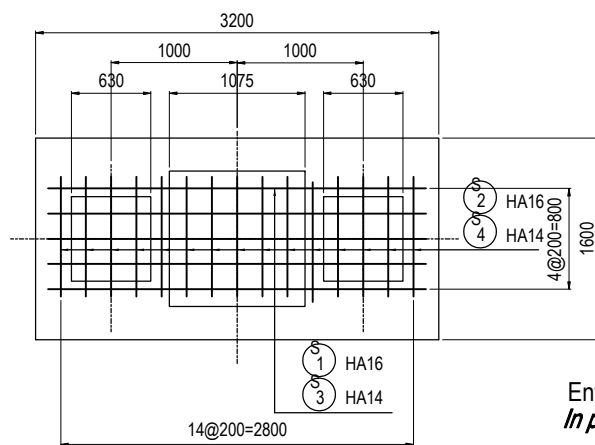
COUPE 3 - 3



COUPE 4 - 4



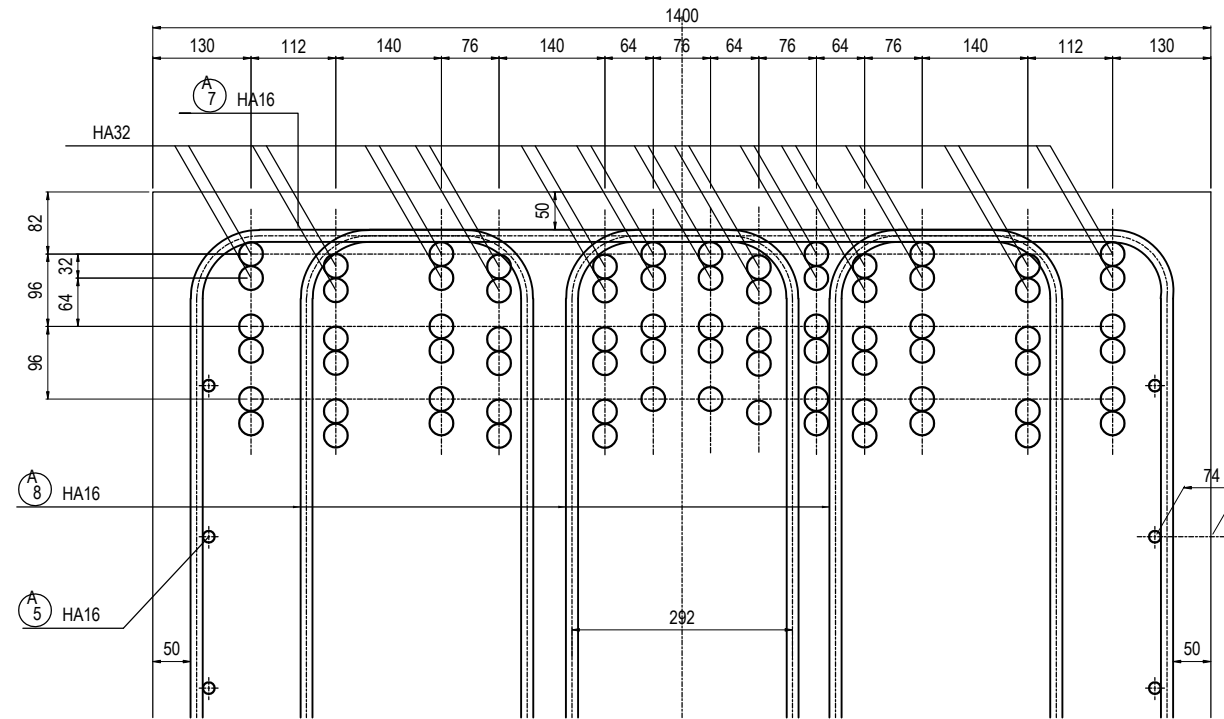
COUPE 5 - 5



Entre parentheses dimensions pour B2.
 In parentheses dimensions for B2.

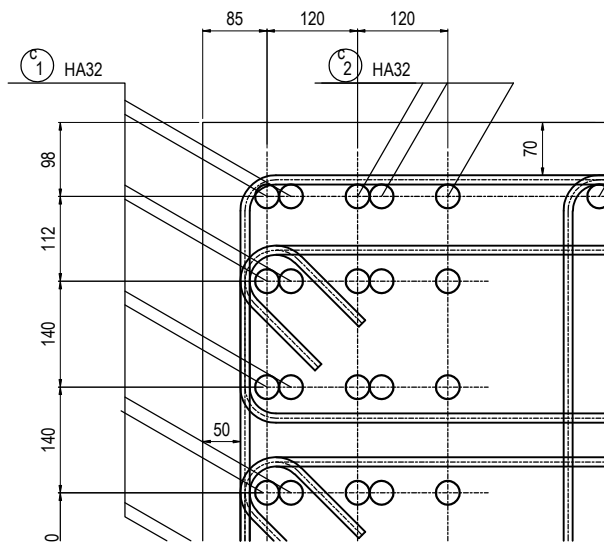
DETAIL "c" / DETAIL "c"

A1 E=1:10, A3 E=1:20
 A1 S=1:10, A3 S=1:20



DETAIL "d" / DETAIL "d"

A1 E=1:10, A3 E=1:20
 A1 S=1:10, A3 S=1:20



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
 Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
 / JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



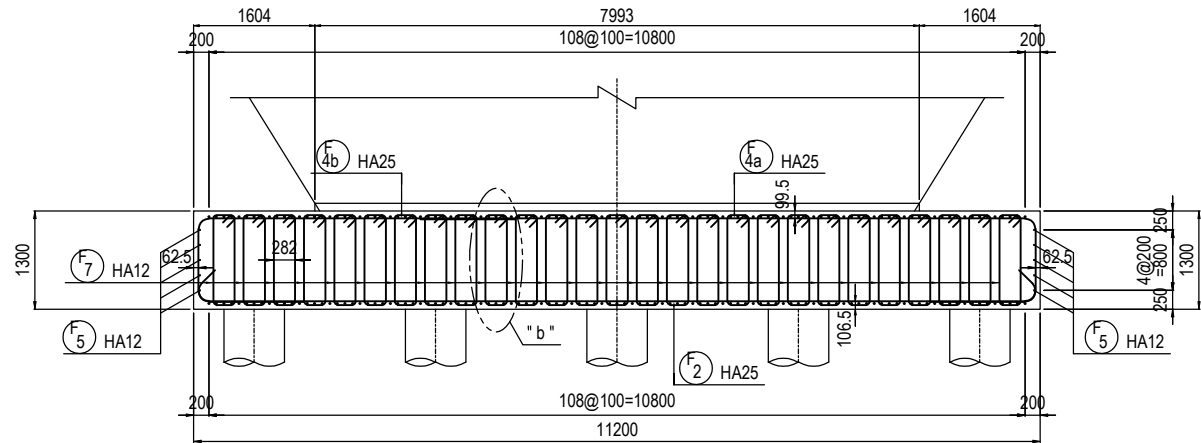
INGÉROSEC CORPORATION

PALMERAIE
PILE P3 - FERRAILLAGE (2)
PIER P3 - BAR ARRANGEMENT (2)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

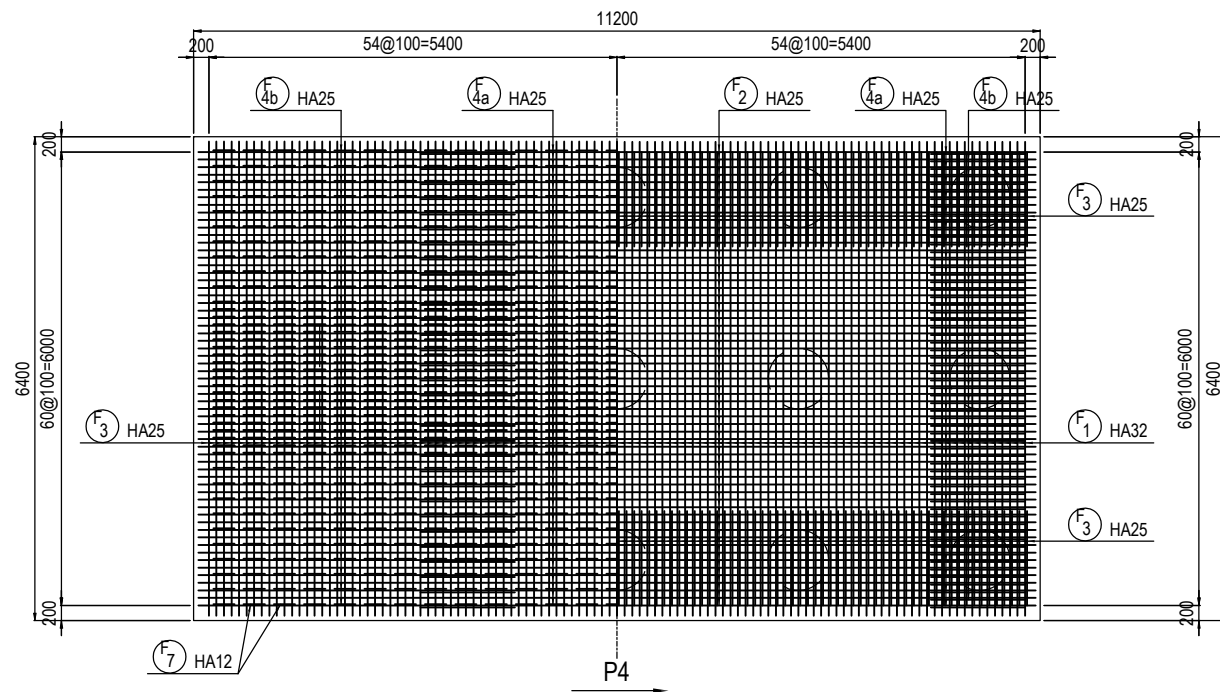
Format	A3	Fichier / File			
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-010	A

A1 E=1:50, A3 E=1:100
 A1 S=1:50, A3 S=1:100
 COUPE 1 - 1

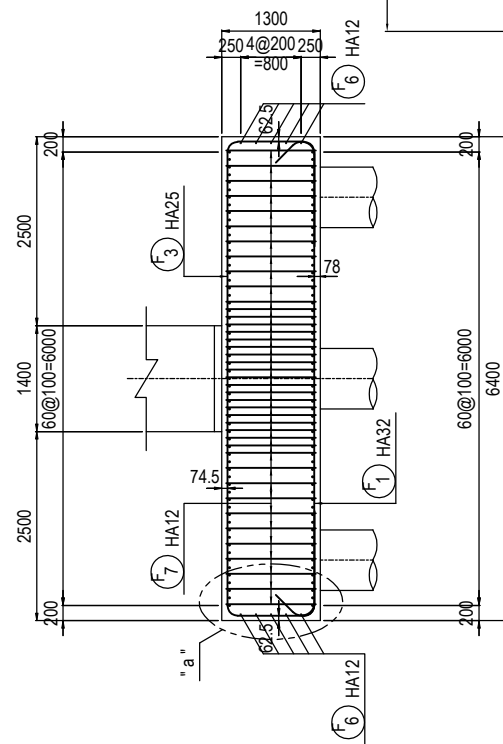


COUPE 2 - 2

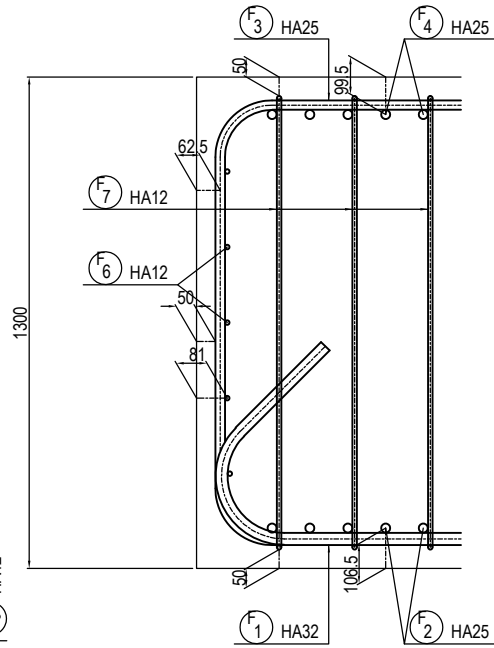
COUPE 3 - 3



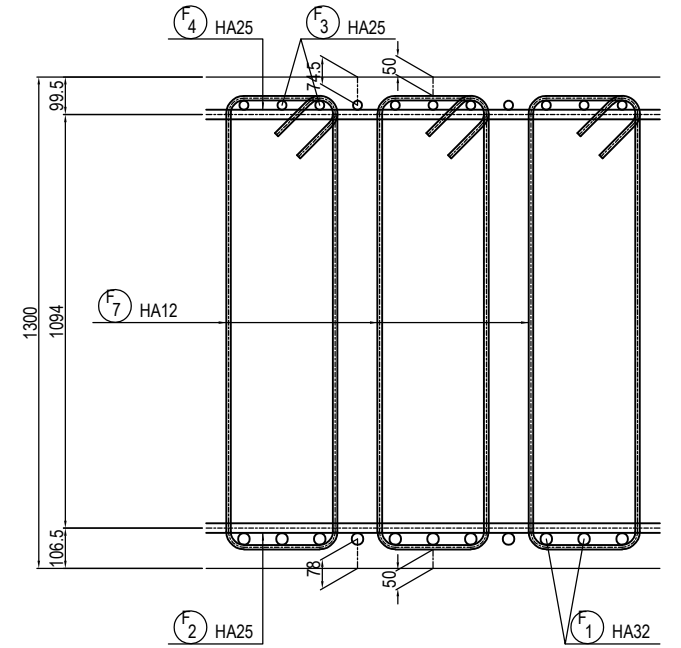
COUPE 4 - 4



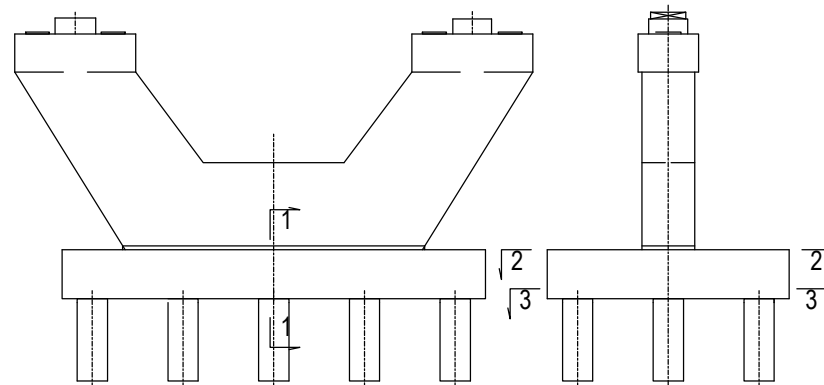
DETAIL "a" / DETAIL "a"
 A1 E=1:5, A3 E=1:10
 A1 S=1:5, A3 S=1:10



DETAIL "b" / DETAIL "b"
 A1 E=1:5, A3 E=1:10
 A1 S=1:5, A3 S=1:10



POSITION DE LA SECTION / POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
 Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
 / JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.

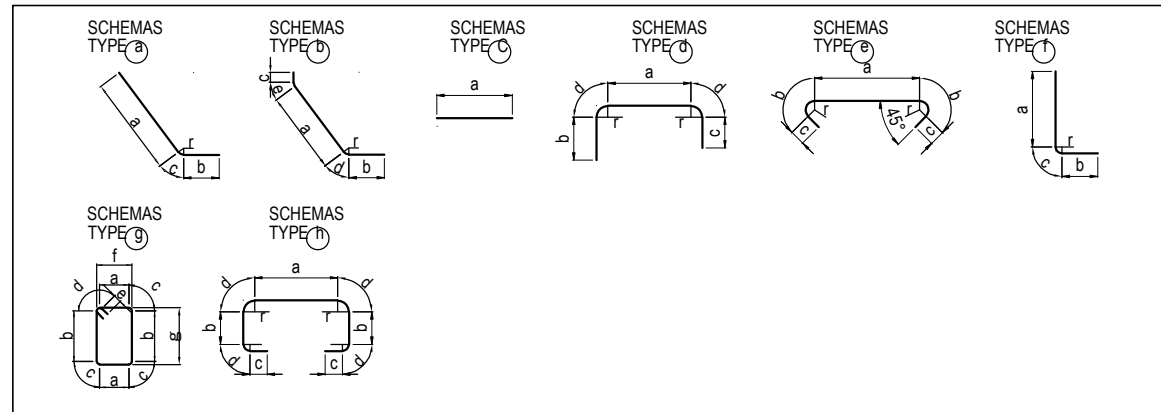


INGÉROSEC CORPORATION

PALMERAIE
 PILE P3 - FERRAILLAGE (3)
 PIER P3 - BAR ARRANGEMENT (3)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier / File :				
Émetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-011	A	



NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
QUANTITE D'ARMATURES POUR UN PILE / QUANTITY OF REBARS FOR A PIER														
C 1	HA	32	(a)	6.84	0.38	0.15	—	—	—	—	0.182	7.37	40	294.80
C 2	HA	32	(c)	6.98	—	—	—	—	—	—	—	6.98	60	418.80
C 3	HA	32	(b)	6.84	0.38	0.82	0.17	0.09	—	—	0.182	8.30	40	332.00
C 4	HA	32	(c)	6.98	—	—	—	—	—	—	—	6.98	40	279.20
C 5	HA	32	(c)	6.80 ~6.13	—	—	—	—	—	—	—	6.47	12	77.64
C 6	HA	32	(c)	5.20	—	—	—	—	—	—	—	5.20	4	20.80
C 7	HA	32	(c)	3.31	—	—	—	—	—	—	—	3.31	4	13.24
C 8	HA	12	(g)	1.21	3.34 ~2.98	0.06	0.10	0.12	1.29	3.43 ~3.07	0.047	9.36	34	318.24
C 9	HA	12	(g)	0.14	3.34 ~2.98	0.06	0.10	0.12	0.22	3.37 ~3.07	0.047	7.22	136	981.92
C 10	HA	12	(g)	0.20	1.21	0.06	0.10	0.12	0.28	1.29	0.047	3.44	212	729.28
C 11	HA	20	(h)	1.24	0.66	0.24	0.17	—	—	—	0.091	3.72	34	126.48
C 12	HA	20	(h)	2.84	0.66	0.24	0.17	—	—	—	0.091	5.32	18	95.76
C 13	HA	20	(c)	0.80	—	—	—	—	—	—	—	0.80	4	3.20
C 14	HA	12	(g)	1.41	3.01	0.06	0.10	0.12	1.49	3.09	0.047	9.46	10	94.60
A 1-1	HA	32	(e)	9.75	0.39	0.38	—	—	—	—	0.182	11.29	13	146.77
A 1-2	HA	32	(e)	9.60	0.39	0.38	—	—	—	—	0.182	11.14	13	144.82
A 2	HA	32	(c)	9.70	—	—	—	—	—	—	—	9.70	49	475.30
A 3	HA	32	(d)	0.17	2.97	2.97	0.26	—	—	—	0.182	6.63	78	517.14
A 4	HA	32	(c)	0.80	—	—	—	—	—	—	—	0.80	4	3.20
A 5	HA	16	(c)	10.11 ~7.63	—	—	—	—	—	—	—	8.87	22	195.14
A 6	HA	16	(e)	1.09	0.80	0.80	0.13	—	—	—	0.091	2.95	22	64.90
A 7	HA	16	(g)	1.12	3.32	0.13	0.20	0.16	1.28	3.48	0.091	9.99	39	389.61
A 8	HA	16	(g)	0.13	3.32	0.13	0.20	0.16	0.29	3.48	0.091	8.01	156	1249.56
F 1	HA	32	(e)	5.94	0.39	0.32	—	—	—	—	0.182	7.36	109	802.24
F 2	HA	25	(e)	10.80	0.32	0.25	—	—	—	—	0.150	11.94	61	728.34
F 3	HA	25	(h)	6.00	0.88	1.25	0.22	—	—	—	0.150	11.14	109	1214.26
F 4a	HA	25	(d)	0.82	8.00	1.25	0.22	—	—	—	0.150	10.51	61	641.11
F 4b	HA	25	(d)	0.82	4.05	1.25	0.22	—	—	—	0.150	6.56	61	400.16
F 5	HA	12	(d)	6.11	0.60	0.60	0.09	—	—	—	0.062	7.49	10	74.90
F 6	HA	12	(c)	10.93	—	—	—	—	—	—	—	10.93	10	109.30
F 7	HA	12	(g)	0.20	1.11	0.06	0.10	0.12	0.28	1.19	0.047	3.24	1107	3586.68

NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
B1														
S 1	HA	16	(e)	2.83	0.20	0.16	—	—	—	—	0.091	3.55	5	17.75
S 2	HA	16	(e)	0.83	0.20	0.16	—	—	—	—	0.091	1.55	15	23.25
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	10	35.00
S 4	HA	14	(e)	0.84	0.19	0.14	—	—	—	—	0.089	1.50	30	45.00
D 1	HA	10	(d)	0.84	0.90	0.90	0.09	—	—	—	0.060	2.82	10	28.20
D 2	HA	10	(g)	0.92	0.92	0.04	0.06	0.10	0.97	0.97	0.030	4.12	5	20.60
D 3	HA	10	(g)	0.18	0.92	0.04	0.06	0.10	0.23	0.97	0.030	2.64	16	42.24
B2														
S 1	HA	16	(e)	2.83	0.20	0.16	—	—	—	—	0.091	3.55	5	17.75
S 2	HA	16	(e)	0.83	0.20	0.16	—	—	—	—	0.091	1.55	15	23.25
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	10	35.00
S 4	HA	14	(e)	0.84	0.19	0.14	—	—	—	—	0.089	1.50	30	45.00
D 1	HA	10	(d)	0.79	0.90	0.90	0.09	—	—	—	0.060	2.77	10	27.70
D 2	HA	10	(g)	0.87	0.87	0.04	0.06	0.10	0.92	0.92	0.030	3.92	5	19.60
D 3	HA	10	(g)	0.17	0.87	0.04	0.06	0.10	0.22	0.92	0.030	2.52	16	40.32

* La dimension radiale indique l'exterieur de la barre.

RECAOITUATIF ACIERS / SUMMARY STEELS

HA	10	12	14	16	20	25	32	
POIDS (kg/m)	0.617	0.888	1.208	1.578	2.466	3.854	6.315	
LONG (m)	178.66	5894.92	160.00	1981.21	225.44	2983.87	3525.95	TOTAL
POIDS (kg)	110.23	5234.69	193.28	3126.35	555.94	11499.83	22266.37	42986.69

TOTAL POUR P3 / TOTAL FOR P3

POIDS TOTAL(kg) : 42986.69

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN

REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier

AGENCE DE GESTION DES ROUTES

AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS GLOBAL CO., LTD.
INGÉROSEC CORPORATION

PALMERAIE
PILE P3 - FERRAILLAGE (4)
PIER P3 - BAR ARRANGEMENT (4)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier/ File :
Emetteur / Issuer	Localisation / Location	Type d'ouvrage -Activité / Type of structure -Activity
OCC, ISEC	BFM	PONT
Type de document / Type of document	N° / No.	Indice / Index
DESSINS	H-PA-FE-012	A

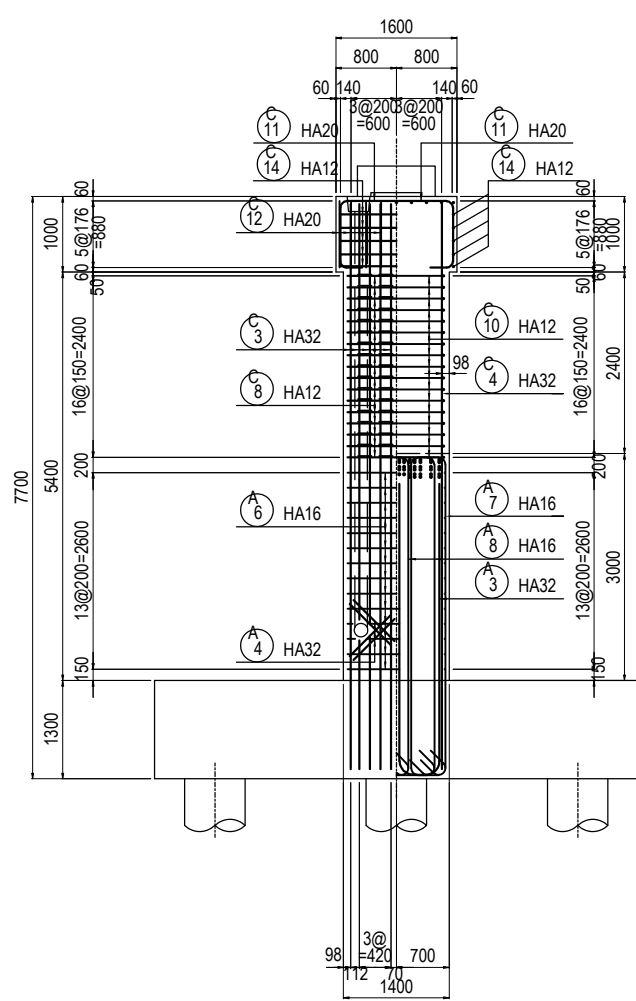
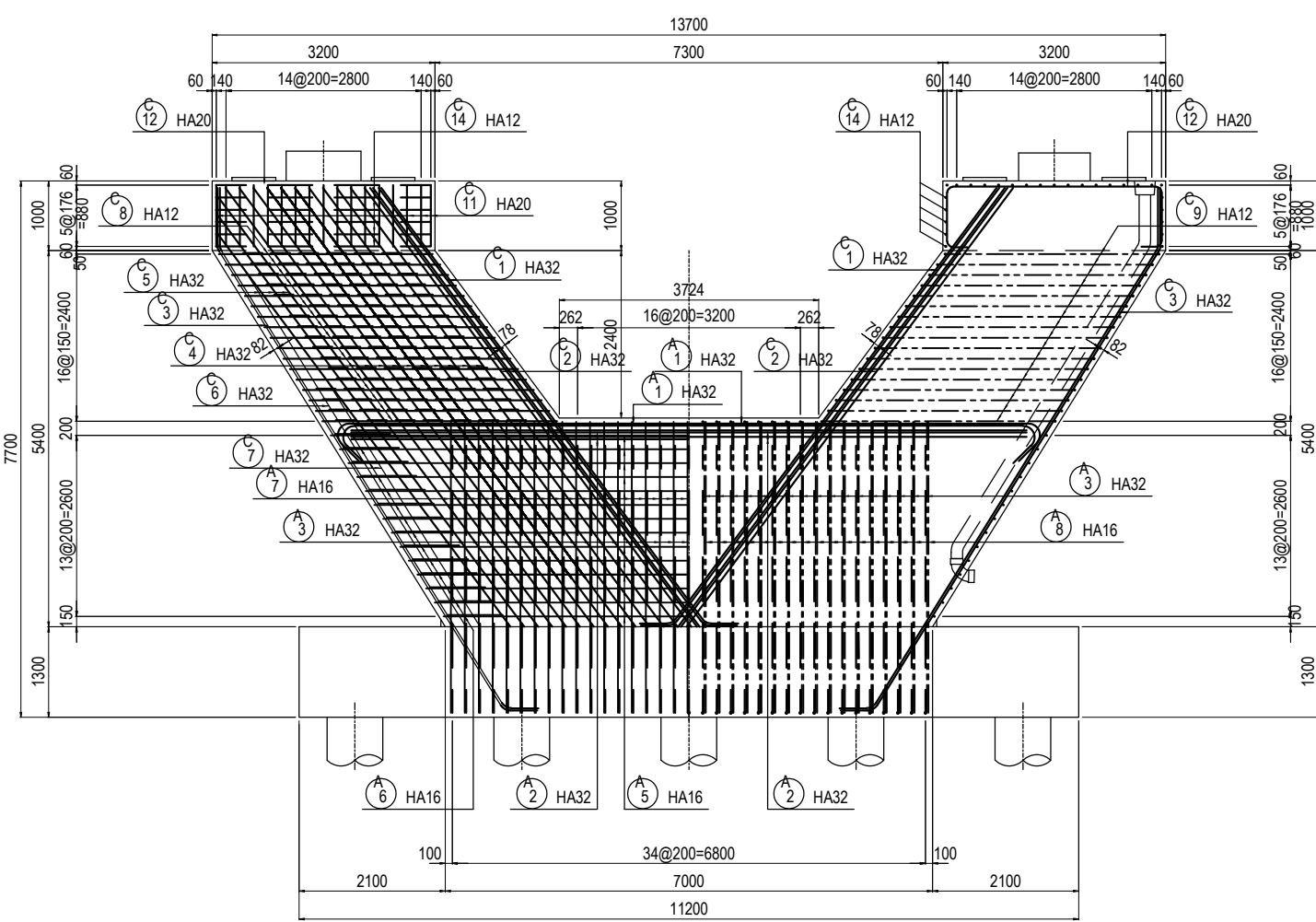
A1 E=1:50, A3 E=1:100
A1 S=1:50, A3 S=1:100

COUPE 1 - 1

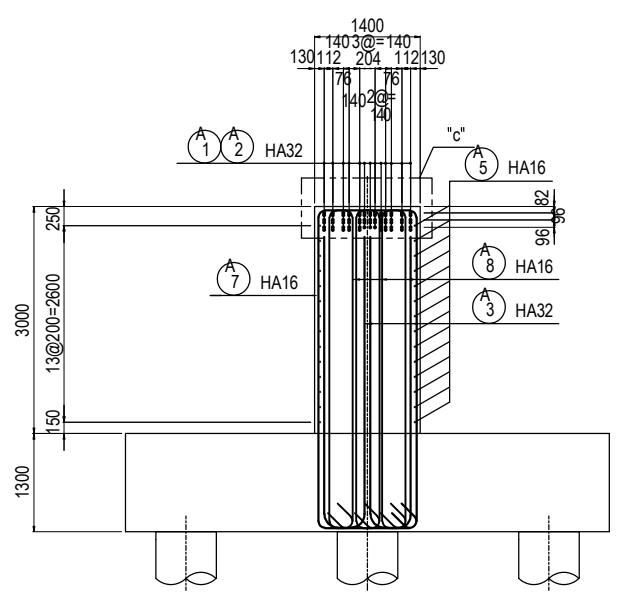
COUPE 2 - 2

COUPE 3 - 3

COUPE 4 - 4

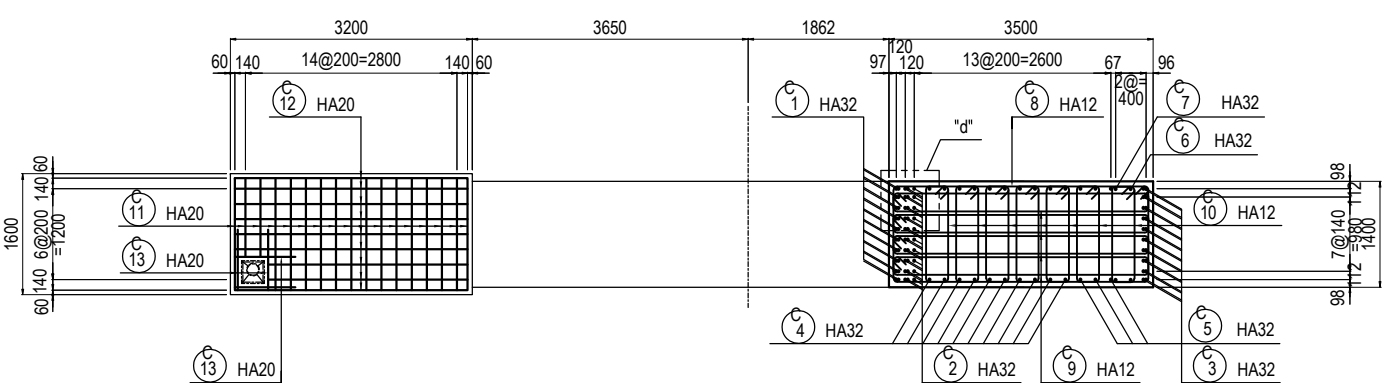


COUPE 5 - 5



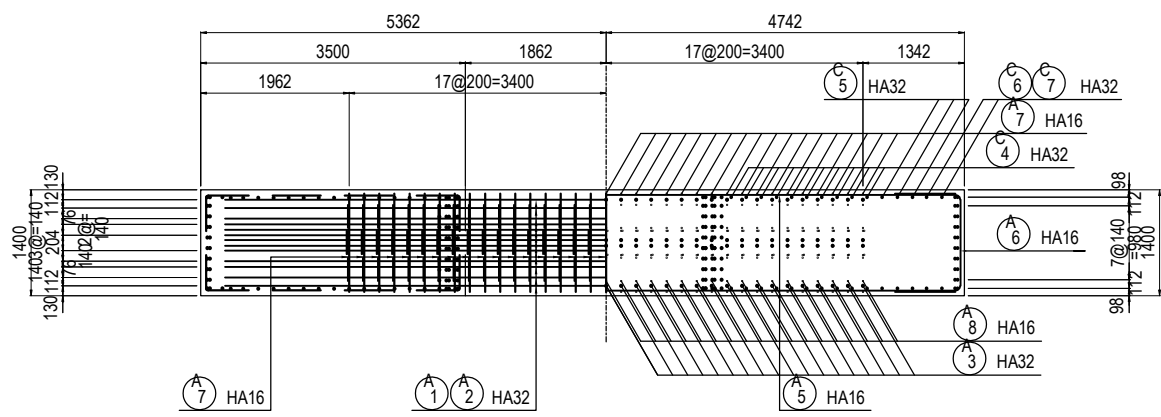
COUPE 6 - 6

COUPE 7 - 7

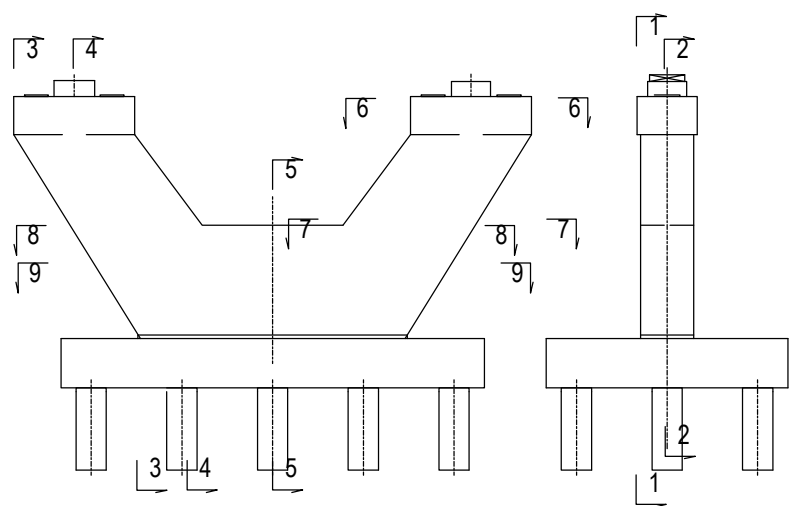


COUPE 8 - 8

COUPE 9 - 9



POSITION DE LA SECTION
/ POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
PILE P4 - FERRAILLAGE (1)
A1 E=1:50, A3 E=1:100
PIER P4 - BAR ARRANGEMENT (1)
A1 S=1:50, A3 S=1:100

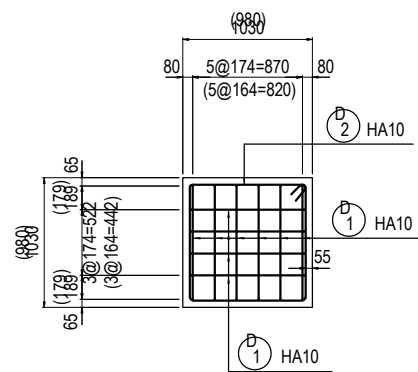
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-013	A

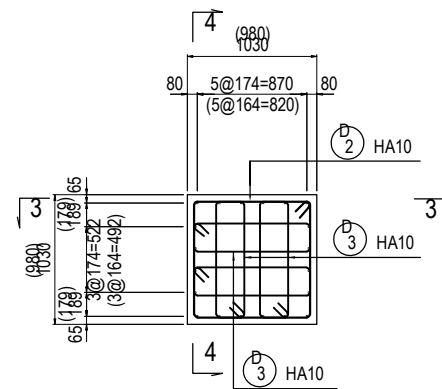
**BARRE ARRIERE POUR APPAREILES D'APPUIS
/ REBAR ARRANGEMENT FOR BEARINGS**

A1 E=1:30, A3 E=1:60 A1 S=1:30, A3 S=1:60

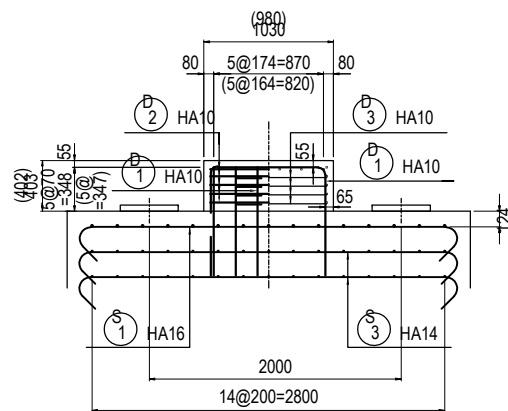
COUPE 1 - 1



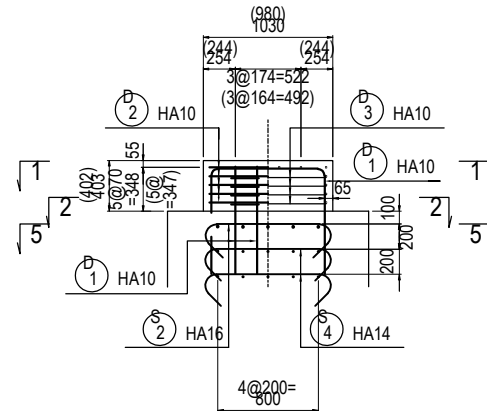
COUPE 2 - 2



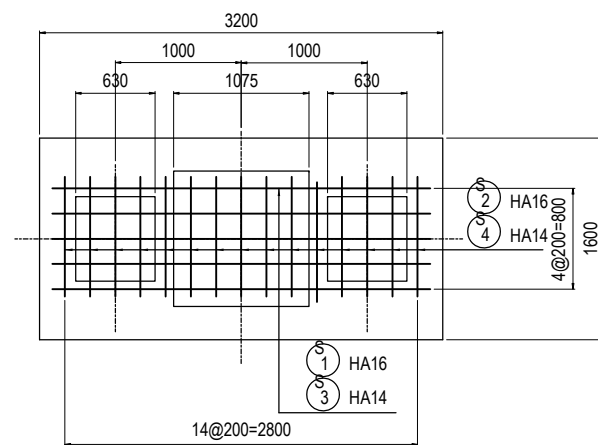
COUPE 3 - 3



COUPE 4 - 4



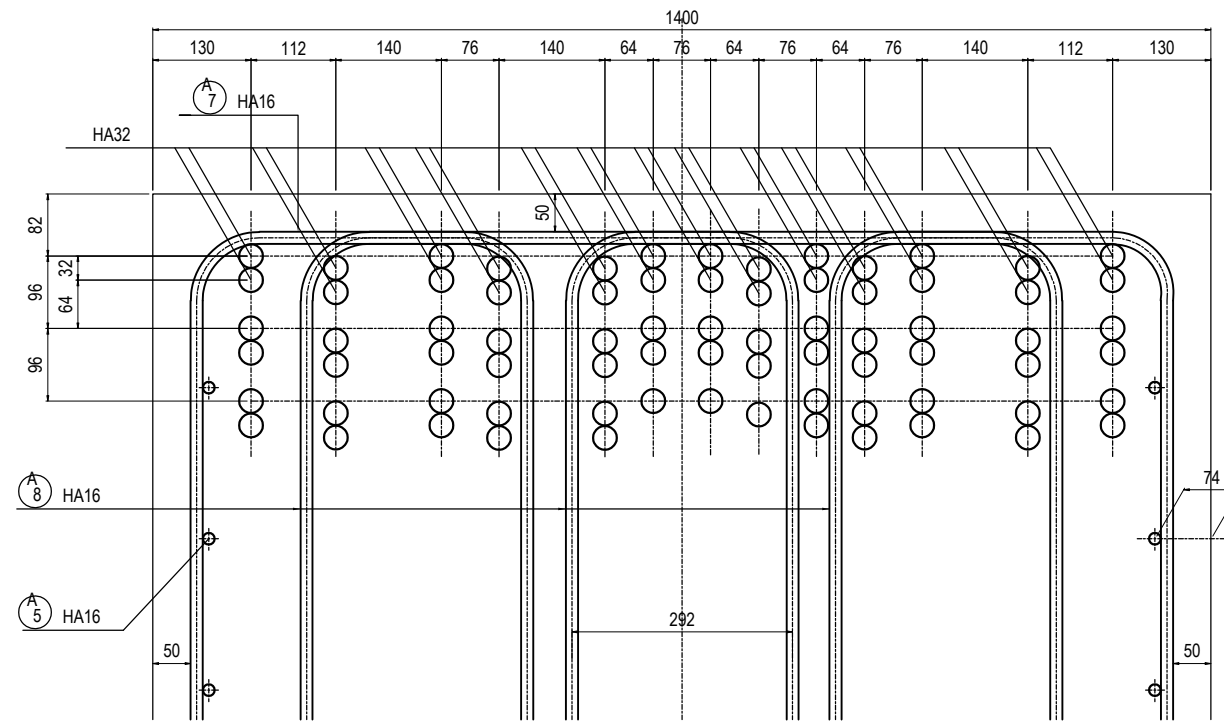
COUPE 5 - 5



Entre parentheses dimensions pour B2.
In parentheses dimensions for B2.

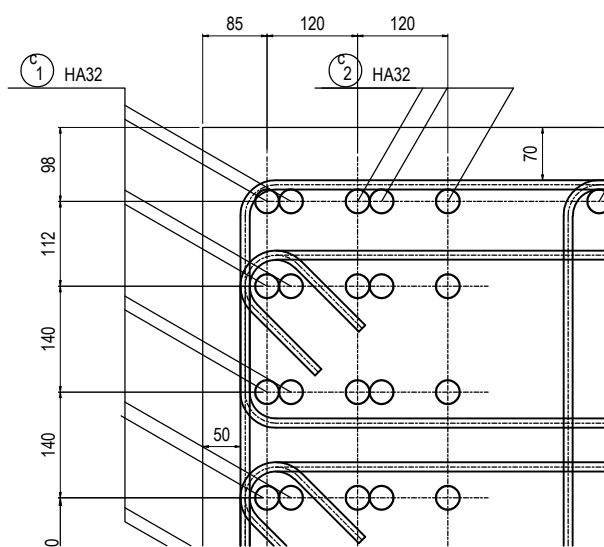
DETAIL "c" / DETAIL "c"

A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



DETAIL "d" / DETAIL "d"

A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



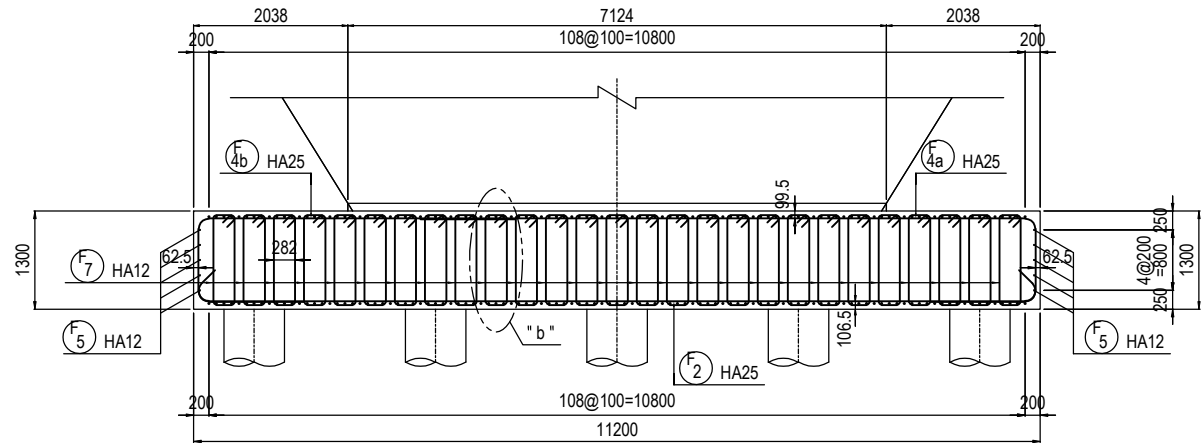
INGÉROSEC CORPORATION

**PALMERAIE
PILE P4 - FERRAILLAGE (2)
PIER P4 - BAR ARRANGEMENT (2)**

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

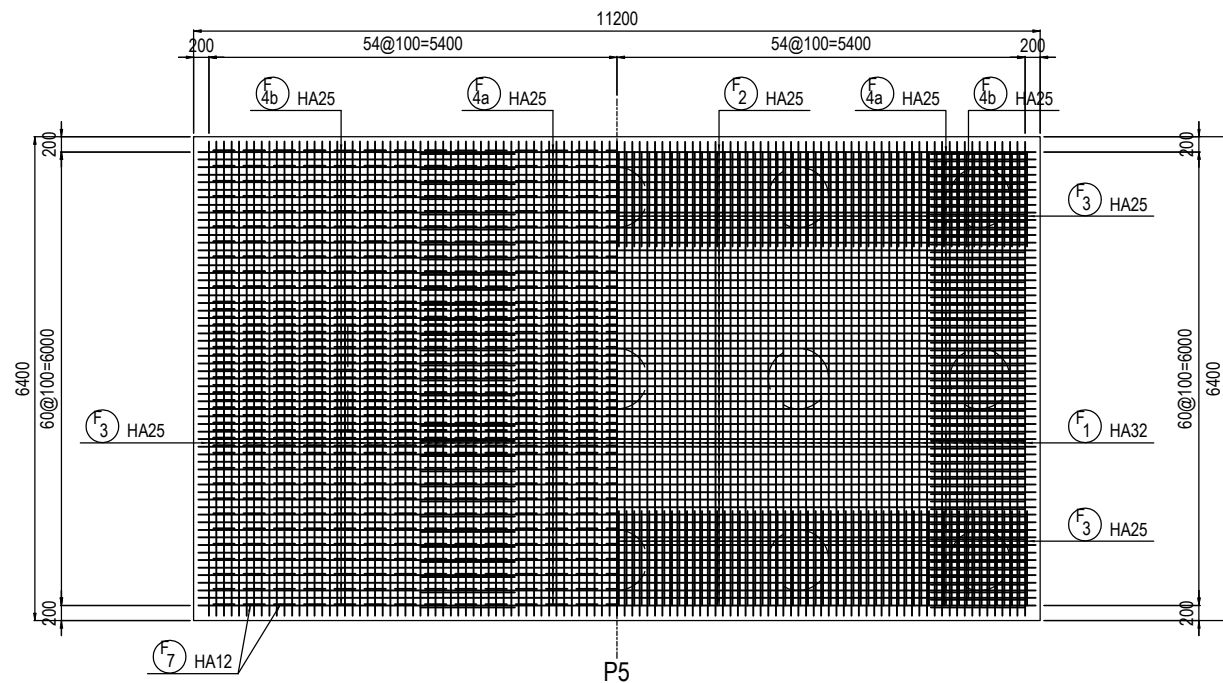
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-014	A

A1 E=1:50, A3 E=1:100
 A1 S=1:50, A3 S=1:100
 COUPE 1 - 1

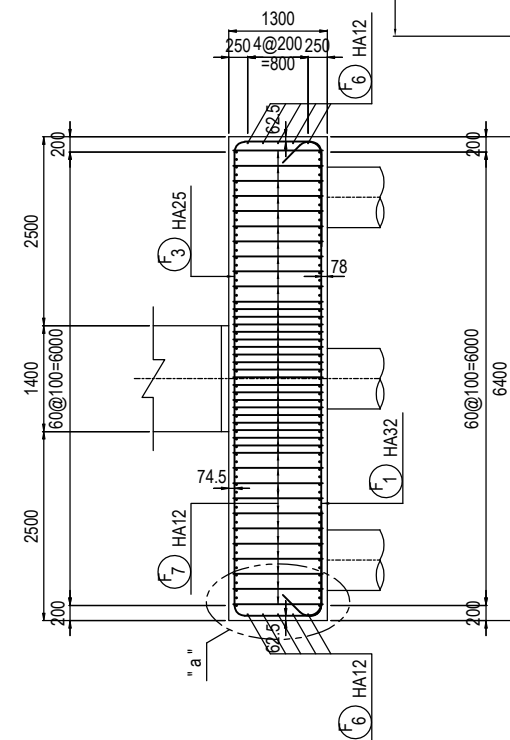


COUPE 2 - 2

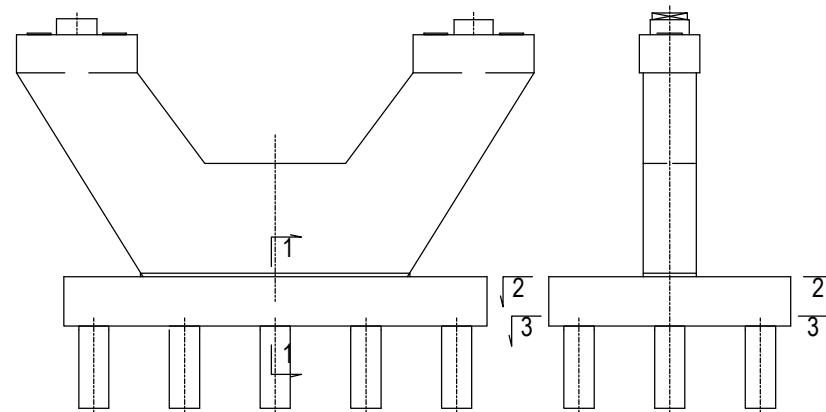
COUPE 3 - 3



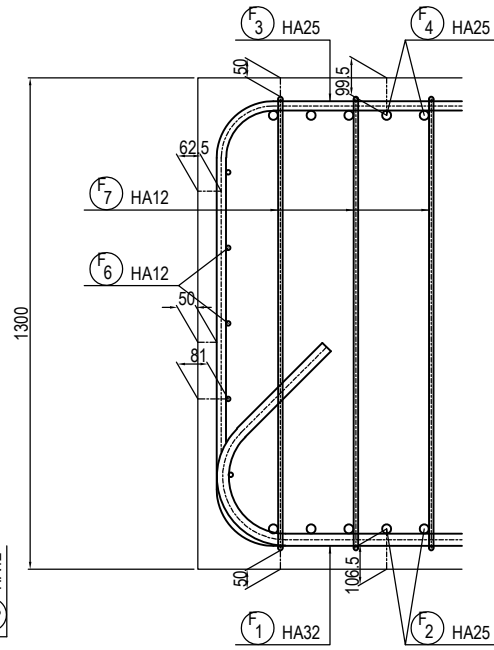
COUPE 4 - 4



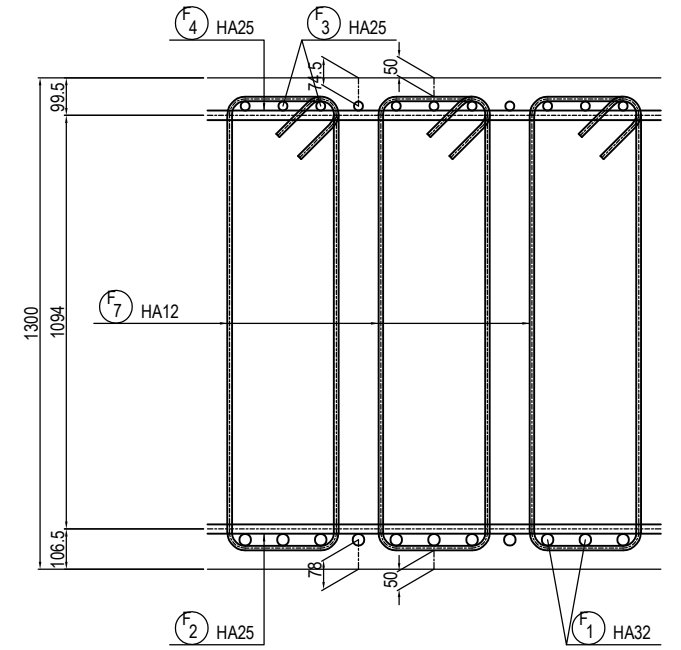
POSITION DE LA SECTION / POSITION OF THE SECTION



DETAIL "a" / DETAIL "a"
 A1 E=1:5, A3 E=1:10
 A1 S=1:5, A3 S=1:10



DETAIL "b" / DETAIL "b"
 A1 E=1:5, A3 E=1:10
 A1 S=1:5, A3 S=1:10



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
 Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
 / JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



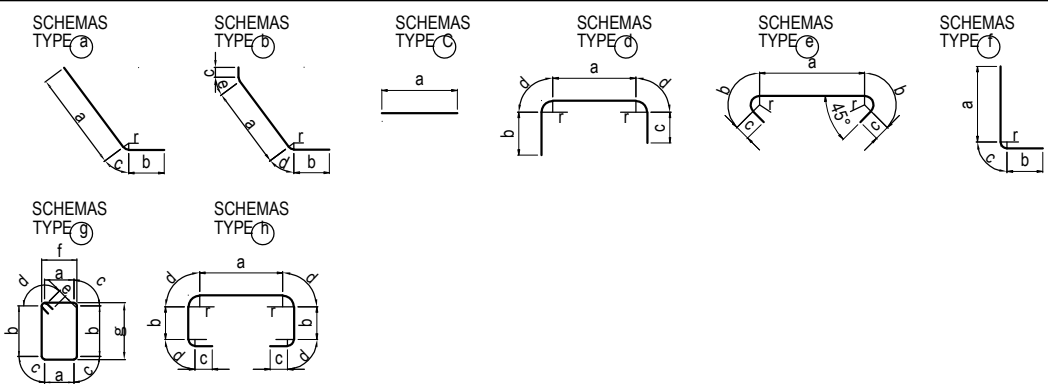
INGÉROSEC CORPORATION

PALMERAIE
 PILE P4 - FERRAILLAGE (3)
 PIER P4 - BAR ARRANGEMENT (3)

Index / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier/ File :				
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Index / Index	
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-015	A	

NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
QUANTITE D'ARMATURES POUR UN PILE / QUANTITY OF REBARS FOR A PIER														
C 1	HA	32	(a)	7.71	0.38	0.15	—	—	—	—	0.182	8.24	40	329.60
C 2	HA	32	(c)	7.86	—	—	—	—	—	—	—	7.86	60	471.60
C 3	HA	32	(b)	7.67	0.38	0.82	0.17	0.09	—	—	0.182	9.13	40	365.20
C 4	HA	32	(c)	7.86	—	—	—	—	—	—	—	7.86	40	314.40
C 5	HA	32	(c)	7.00 ~7.67	—	—	—	—	—	—	—	7.34	12	88.08
C 6	HA	32	(c)	6.03	—	—	—	—	—	—	—	6.03	4	24.12
C 7	HA	32	(c)	4.14	—	—	—	—	—	—	—	4.14	4	16.56
C 8	HA	12	(g)	1.21	3.29 ~2.99	0.06	0.10	0.12	1.29	3.37 ~3.07	0.047	9.32	34	316.88
C 9	HA	12	(g)	0.14	3.29 ~2.99	0.06	0.10	0.12	0.22	3.37 ~3.07	0.047	7.18	136	976.48
C 10	HA	12	(g)	0.20	1.21	0.06	0.10	0.12	0.28	1.29	0.047	3.44	212	729.28
C 11	HA	20	(h)	1.24	0.66	0.24	0.17	—	—	—	0.091	3.72	34	126.48
C 12	HA	20	(h)	2.84	0.66	0.24	0.17	—	—	—	0.091	5.32	18	95.76
C 13	HA	20	(c)	0.80	—	—	—	—	—	—	—	0.80	4	3.20
C 14	HA	12	(g)	1.41	3.01	0.06	0.10	0.12	1.49	3.09	0.047	9.46	10	94.60
A 1-1	HA	32	(e)	9.75	0.39	0.38	—	—	—	—	0.182	11.29	13	146.77
A 1-2	HA	32	(e)	9.60	0.39	0.38	—	—	—	—	0.182	11.14	13	144.82
A 2	HA	32	(c)	9.70	—	—	—	—	—	—	—	9.70	49	475.30
A 3	HA	32	(d)	0.20	3.67	3.67	0.26	—	—	—	0.182	8.06	70	564.20
A 4	HA	32	(c)	0.80	—	—	—	—	—	—	—	0.80	4	3.20
A 5	HA	16	(c)	10.13 ~6.89	—	—	—	—	—	—	—	8.51	28	238.28
A 6	HA	16	(e)	1.09	0.80	0.80	0.13	—	—	—	0.091	2.95	28	82.60
A 7	HA	16	(g)	1.12	4.02	0.13	0.20	0.16	1.28	4.18	0.091	11.39	35	398.65
A 8	HA	16	(g)	0.14	4.02	0.13	0.20	0.16	0.31	4.18	0.091	9.43	140	1320.20
F 1	HA	32	(e)	5.94	0.39	0.32	—	—	—	—	0.182	7.36	109	802.24
F 2	HA	25	(e)	10.80	0.32	0.25	—	—	—	—	0.150	11.94	61	728.34
F 3	HA	25	(h)	6.00	0.88	1.25	0.22	—	—	—	0.150	11.14	109	1214.26
F 4a	HA	25	(d)	0.82	8.00	1.25	0.22	—	—	—	0.150	10.51	61	641.11
F 4b	HA	25	(d)	0.82	4.05	1.25	0.22	—	—	—	0.150	6.56	61	400.16
F 5	HA	12	(d)	6.11	0.60	0.60	0.09	—	—	—	0.062	7.49	10	74.90
F 6	HA	12	(c)	10.93	—	—	—	—	—	—	—	10.93	10	109.30
F 7	HA	12	(g)	0.20	1.11	0.06	0.10	0.12	0.28	1.19	0.047	3.24	1107	3586.68



NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
B1														
S 1	HA	16	(e)	2.83	0.20	0.16	—	—	—	—	0.091	3.55	5	17.75
S 2	HA	16	(e)	0.83	0.20	0.16	—	—	—	—	0.091	1.55	15	23.25
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	10	35.00
S 4	HA	14	(e)	0.84	0.19	0.14	—	—	—	—	0.089	1.50	30	45.00
D 1	HA	10	(d)	0.79	0.90	0.90	0.09	—	—	—	0.060	2.77	10	27.70
D 2	HA	10	(g)	0.87	0.87	0.04	0.06	0.10	0.92	0.92	0.030	3.92	5	19.60
D 3	HA	10	(g)	0.17	0.87	0.04	0.06	0.10	0.22	0.92	0.030	2.52	16	40.32
B2														
S 1	HA	16	(e)	2.83	0.20	0.16	—	—	—	—	0.091	3.55	5	17.75
S 2	HA	16	(e)	0.83	0.20	0.16	—	—	—	—	0.091	1.55	15	23.25
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	10	35.00
S 4	HA	14	(e)	0.84	0.19	0.14	—	—	—	—	0.089	1.50	30	45.00
D 1	HA	10	(d)	0.74	0.90	0.90	0.09	—	—	—	0.060	2.72	10	27.20
D 2	HA	10	(g)	0.82	0.82	0.04	0.06	0.10	0.87	0.87	0.030	3.72	5	18.60
D 3	HA	10	(g)	0.16	0.82	0.04	0.06	0.10	0.21	0.87	0.030	2.40	16	38.40

* La dimension radiale indique l'exterieur de la barre.

RECAOITUATIF ACIERS / SUMMARY STEELS

HA	10	12	14	16	20	25	32	
POIDS (kg/m)	0.617	0.888	1.208	1.578	2.466	3.854	6.315	
LONG (m)	171.82	5888.12	160.00	2121.73	225.44	2983.87	3746.09	TOTAL
POIDS (kg)	106.01	5228.65	193.28	3348.09	555.94	11499.83	23656.56	44588.36

TOTAL POUR P4 / TOTAL FOR P4

POIDS TOTAL(kg) : 44588.36

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN						
		REPUBLICUE DE COTE D'IVOIRE Ministère de l'Équipement et de l'Entretien Routier				
		AGENCE DE GESTION DES ROUTES				
		AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE / JAPAN INTERNATIONAL COOPERATION AGENCY				
		ORIENTAL CONSULTANTS GLOBAL CO., LTD.				
		INGÉROSEC CORPORATION				
PALMERAIE PILE P4 - FERRAILLAGE (4) PIER P4 - BAR ARRANGEMENT (4)						
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT
Format : A3 Fichier/ File :						
Emetteur / Issuer	Localisation / Location	Type d'ouvrage -Activité / Type of structure -Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-016	A	

A1 E=1:50, A3 E=1:100
A1 S=1:50, A3 S=1:100

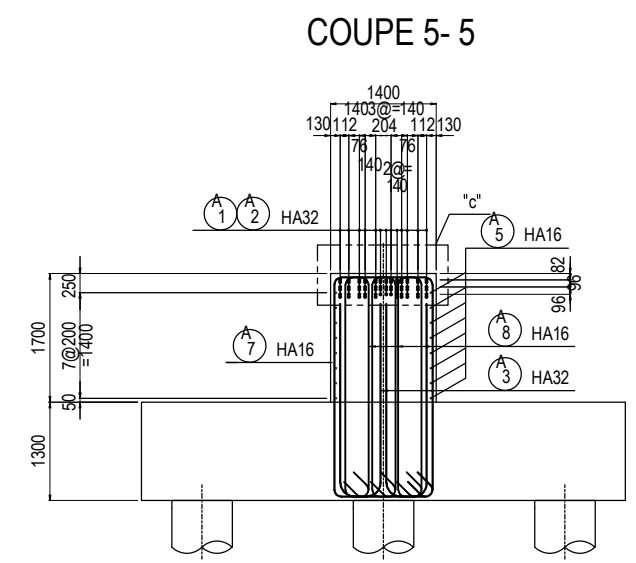
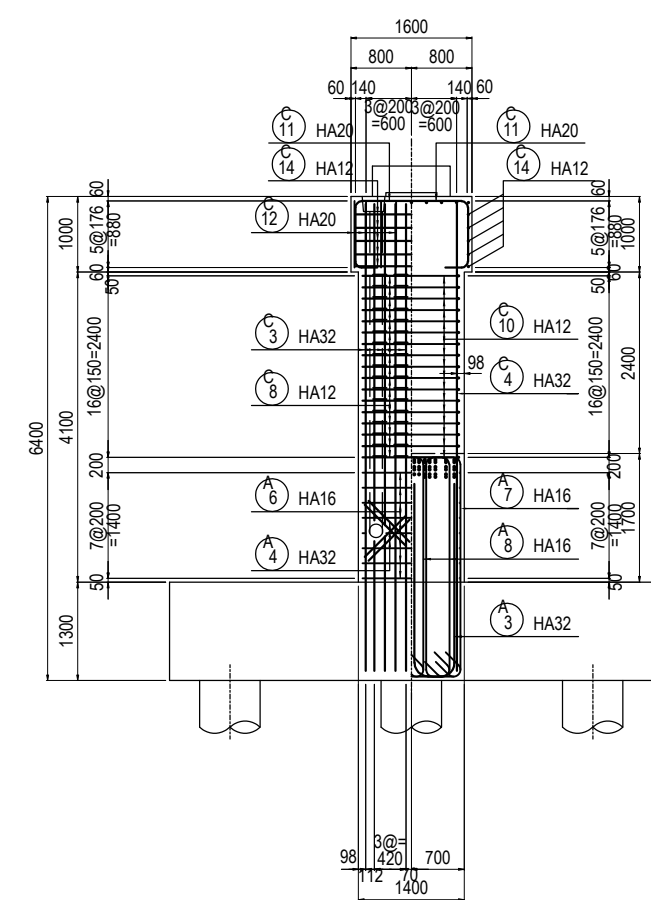
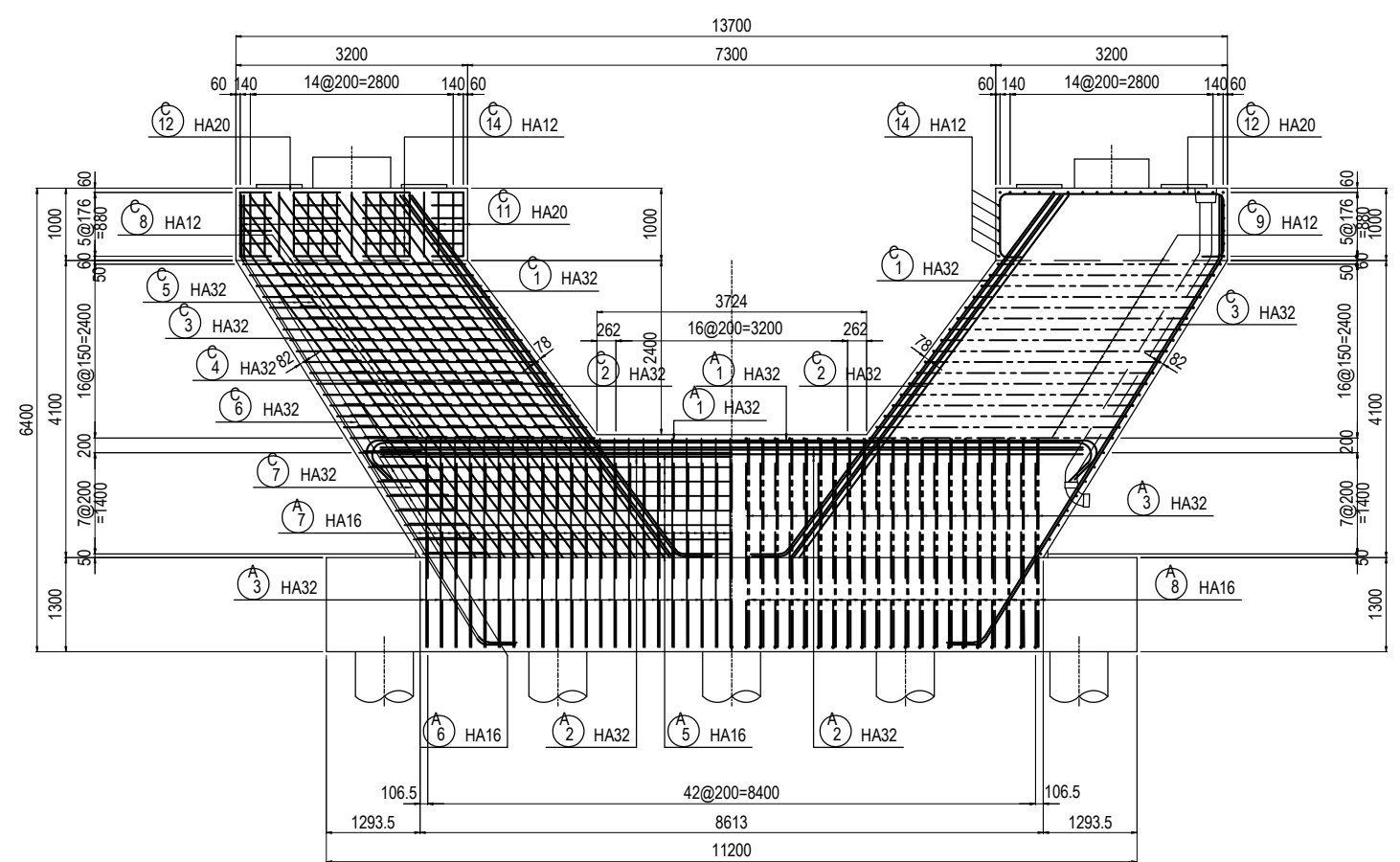
COUPE 1 - 1

COUPE 2 - 2

COUPE 3 - 3

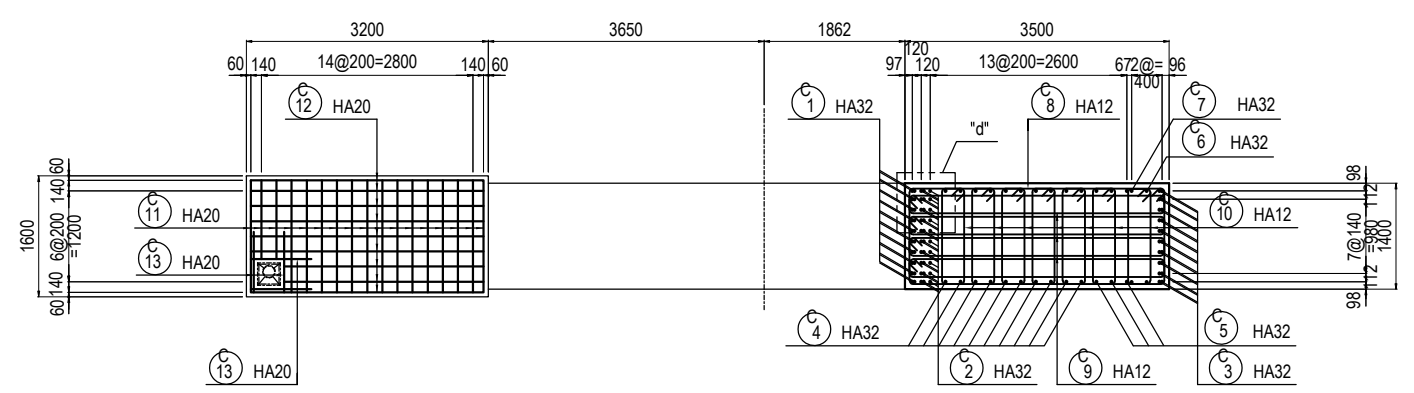
COUPE 4 - 4

COUPE 5 - 5

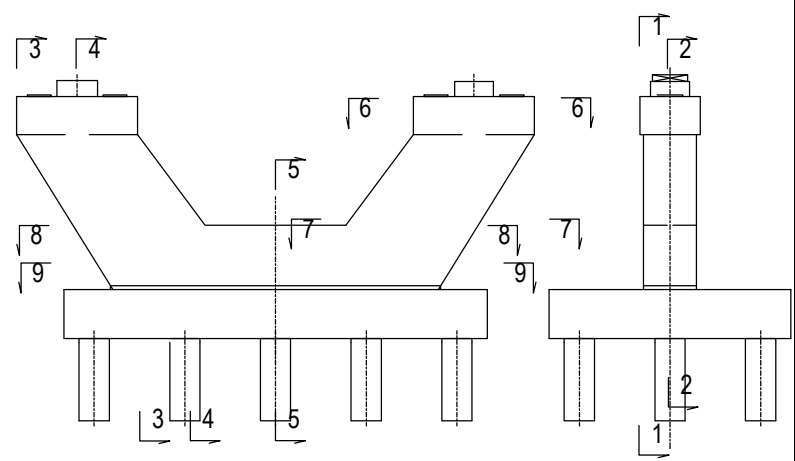


COUPE 6 - 6

COUPE 7 - 7

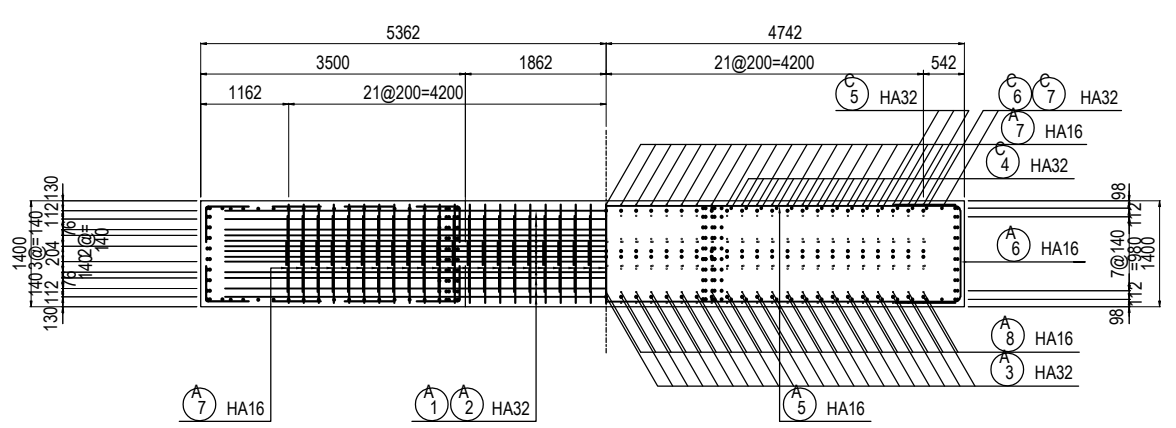


POSITION DE LA SECTION / POSITION OF THE SECTION



COUPE 8 - 8

COUPE 9 - 9



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
PILE P5 - FERRAILLAGE (1)
A1 E=1:50, A3 E=1:100
PIER P5 - BAR ARRANGEMENT (1)
A1 S=1:50, A3 S=1:100

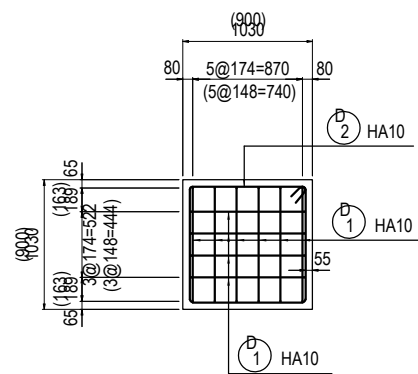
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-017	A

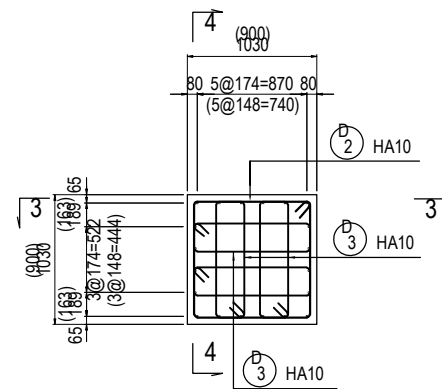
BARRE ARRIERE POUR APPAREILES D'APPUIS
/ REBAR ARRANGEMENT FOR BEARINGS

A1 E=1:30, A3 E=1:60 A1 S=1:30, A3 S=1:60

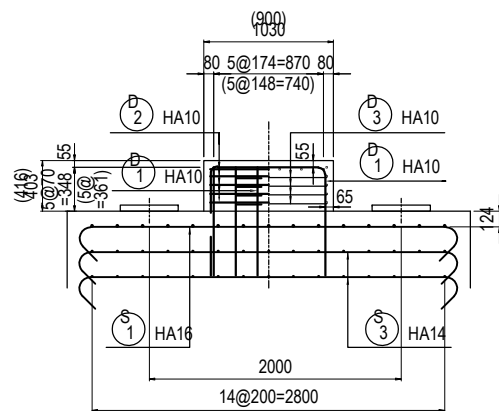
COUPE 1 - 1



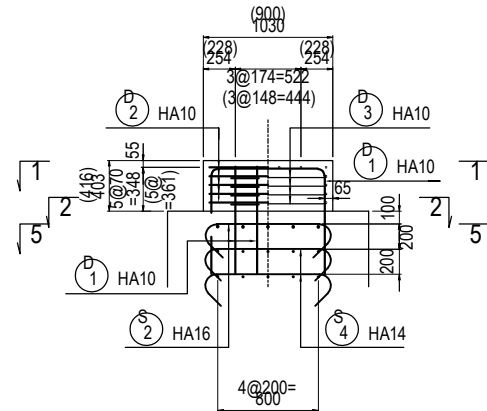
COUPE 2 - 2



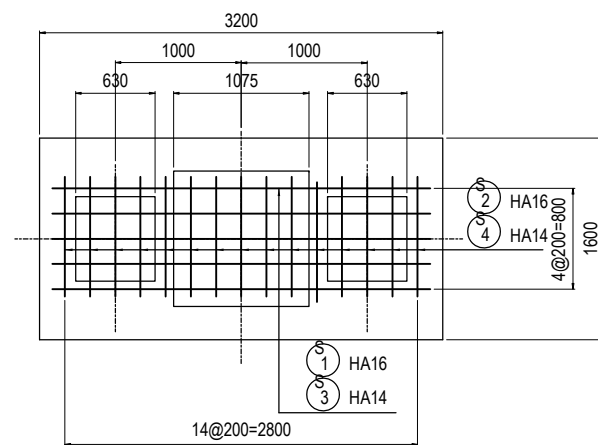
COUPE 3 - 3



COUPE 4 - 4



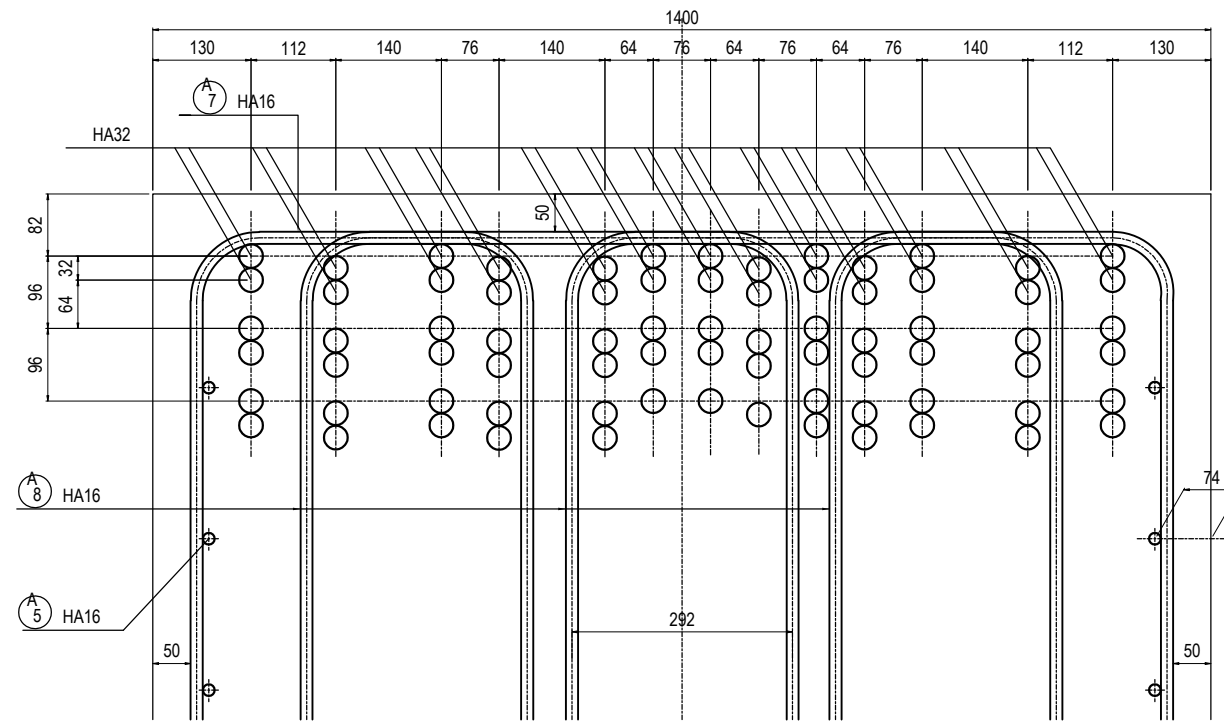
COUPE 5 - 5



Entre parentheses dimensions pour B2.
 In parentheses dimensions for B2.

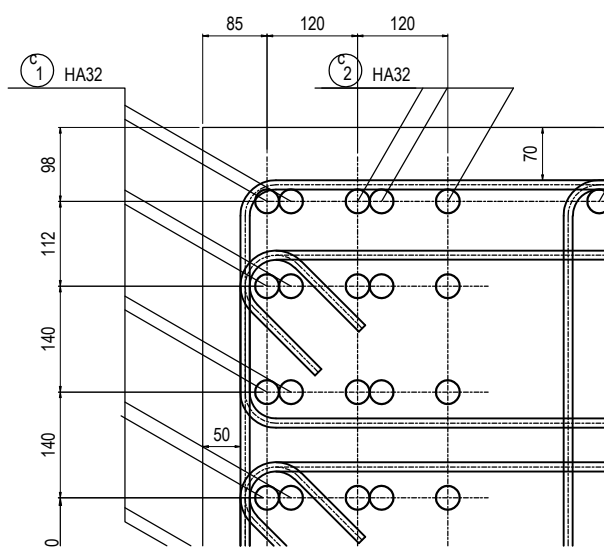
DETAIL "c" / DETAIL "c"

A1 E=1:10, A3 E=1:20
 A1 S=1:10, A3 S=1:20



DETAIL "d" / DETAIL "d"

A1 E=1:10, A3 E=1:20
 A1 S=1:10, A3 S=1:20



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
 / JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



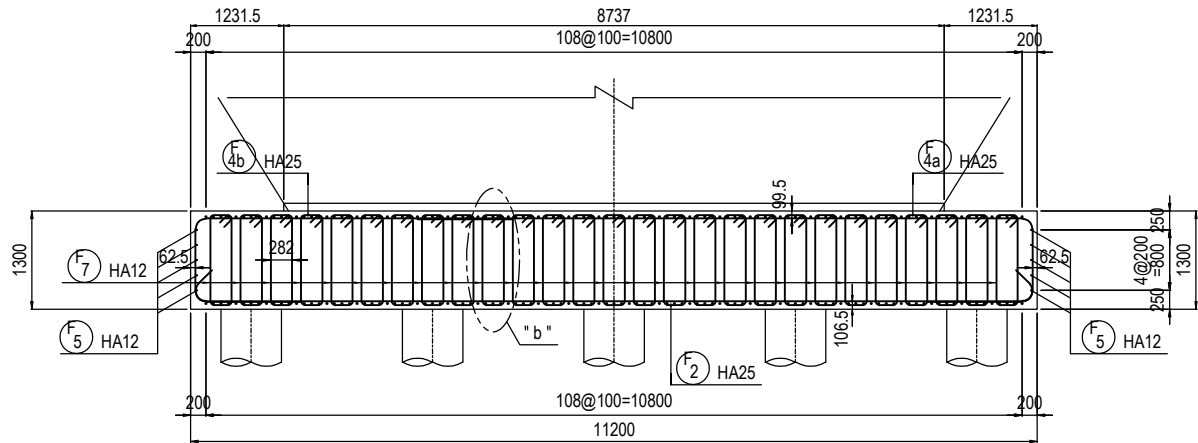
INGÉROSEC CORPORATION

PALMERAIE
PILE P5 - FERRAILLAGE (2)
PIER P5 - BAR ARRANGEMENT (2)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

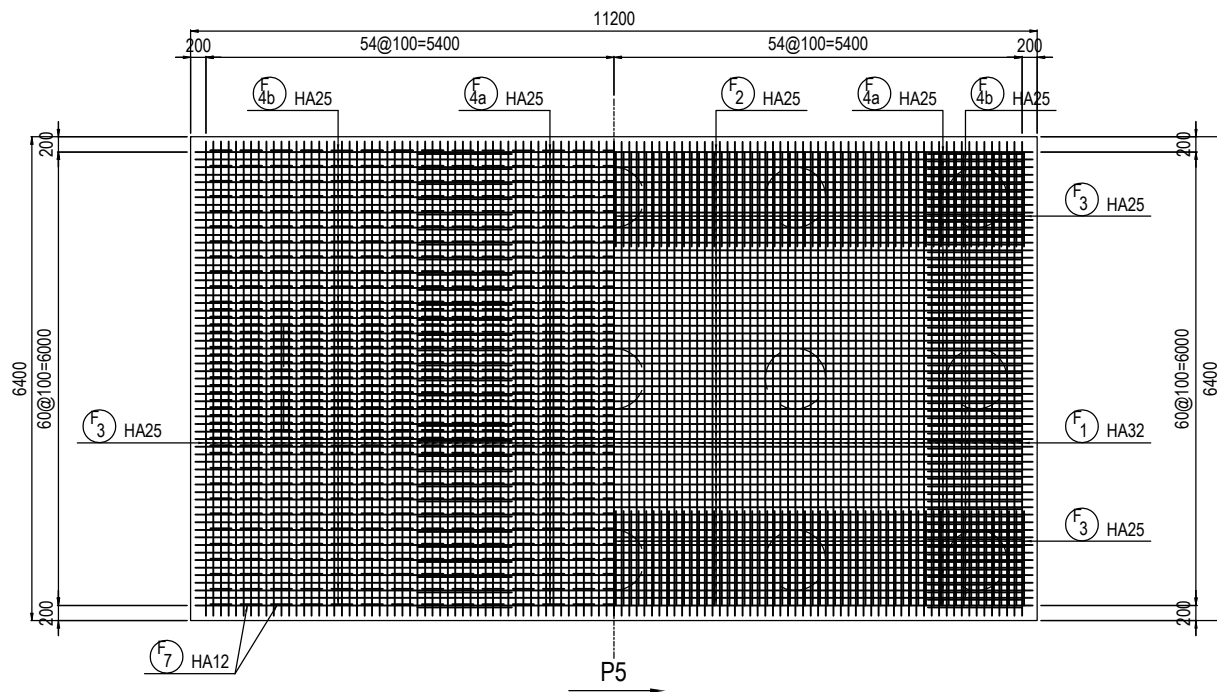
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-018	A

A1 E=1:50, A3 E=1:100
 A1 S=1:50, A3 S=1:100
 COUPE 1 - 1

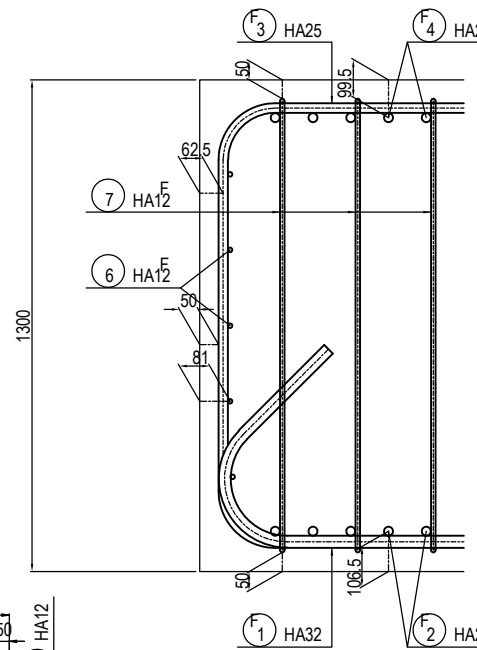


COUPE 2 - 2

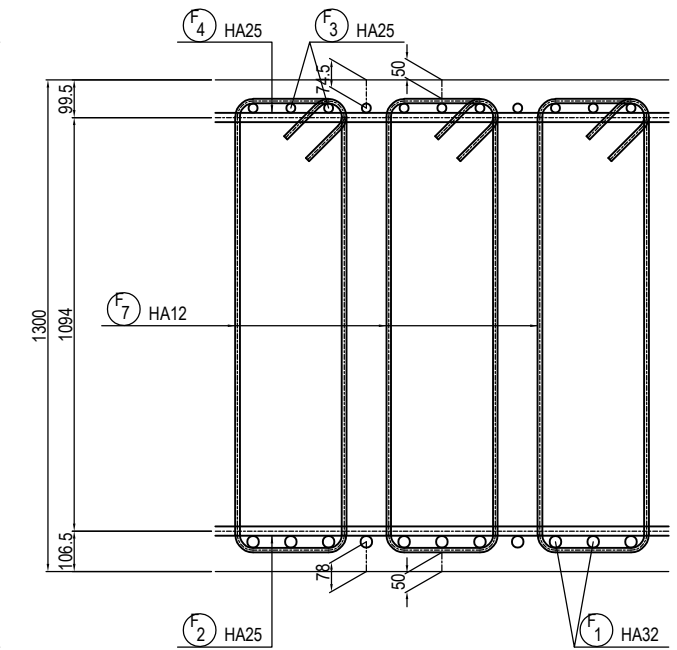
COUPE 3 - 3



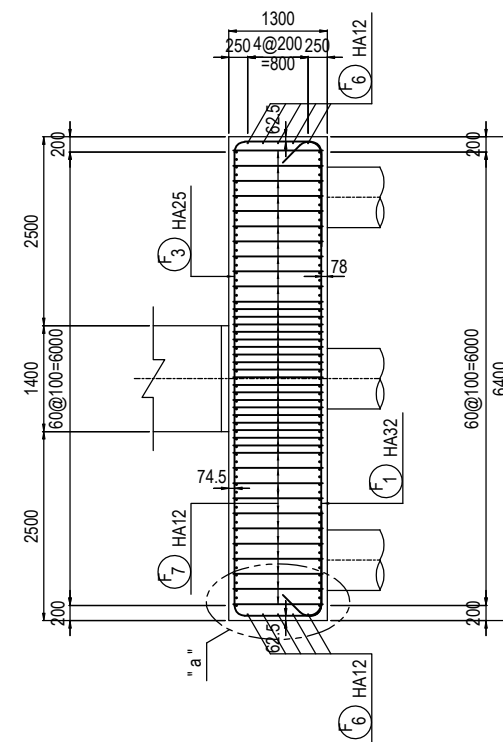
DETAIL "a" / DETAIL "a"
 A1 E=1:5, A3 E=1:10
 A1 S=1:5, A3 S=1:10



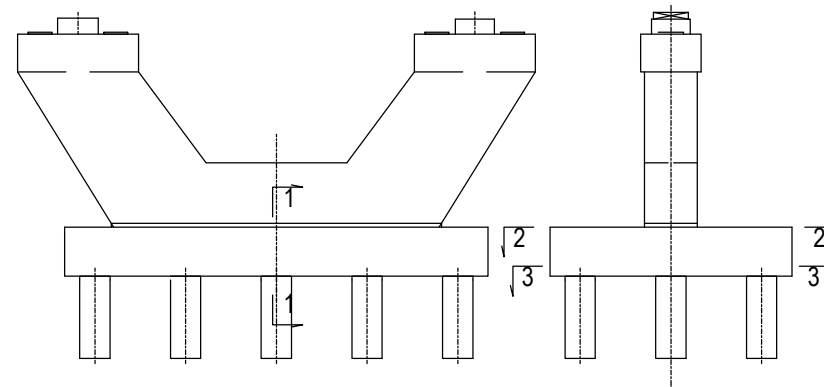
DETAIL "b" / DETAIL "b"
 A1 E=1:5, A3 E=1:10
 A1 S=1:5, A3 S=1:10



COUPE 4 - 4



POSITION DE LA SECTION / POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
 Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
 / JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.

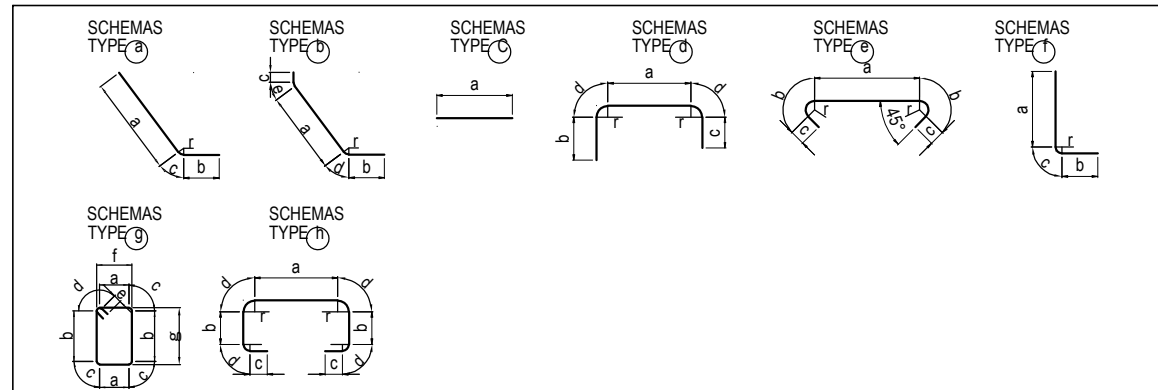


INGÉROSEC CORPORATION

PALMERAIE
 PILE P5 - FERRAILLAGE (3)
 PIER P5 - BAR ARRANGEMENT (3)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier / File		Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
Emetteur / Issuer	Localisation / Location						
OCG, ISEC	BFM			PONT	DESSINS	H-PA-FE-019	A



NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
QUANTITE D'ARMATURES POUR UN PILE / QUANTITY OF REBARS FOR A PIER														
C 1	HA	32	(a)	6.09	0.38	0.15	—	—	—	—	0.182	6.62	40	264.80
C 2	HA	32	(c)	6.23	—	—	—	—	—	—	—	6.23	60	373.80
C 3	HA	32	(b)	6.14	0.38	0.82	0.17	0.09	—	—	0.182	7.60	40	304.00
C 4	HA	32	(c)	6.23	—	—	—	—	—	—	—	6.23	40	249.20
C 5	HA	32	(c)	5.38 ~6.05	—	—	—	—	—	—	—	5.72	12	68.64
C 6	HA	32	(c)	4.50	—	—	—	—	—	—	—	4.50	4	18.00
C 7	HA	32	(c)	2.61	—	—	—	—	—	—	—	2.61	4	10.44
C 8	HA	12	(g)	1.21	3.29 ~2.99	0.06	0.10	0.12	1.29	3.37 ~3.07	0.047	9.32	34	316.88
C 9	HA	12	(g)	0.14	3.29 ~2.99	0.06	0.10	0.12	0.22	3.37 ~3.07	0.047	7.18	136	976.48
C 10	HA	12	(g)	0.20	1.21	0.06	0.10	0.12	0.28	1.29	0.047	3.44	212	729.28
C 11	HA	20	(h)	1.24	0.66	0.24	0.17	—	—	—	0.091	3.72	34	126.48
C 12	HA	20	(h)	2.84	0.66	0.24	0.17	—	—	—	0.091	5.32	18	95.76
C 13	HA	20	(c)	0.80	—	—	—	—	—	—	—	0.80	4	3.20
C 14	HA	12	(g)	1.41	3.01	0.06	0.10	0.12	1.49	3.09	0.047	9.46	10	94.60
A 1-1	HA	32	(e)	9.75	0.39	0.38	—	—	—	—	0.182	11.29	13	146.77
A 1-2	HA	32	(e)	9.60	0.39	0.38	—	—	—	—	0.182	11.14	13	144.82
A 2	HA	32	(c)	9.70	—	—	—	—	—	—	—	9.70	49	475.30
A 3	HA	32	(d)	0.20	2.37	2.37	0.26	—	—	—	0.182	5.46	86	469.56
A 4	HA	32	(c)	0.80	—	—	—	—	—	—	—	0.80	4	3.20
A 5	HA	16	(c)	10.13 ~8.38	—	—	—	—	—	—	—	9.26	16	148.16
A 6	HA	16	(e)	1.09	0.80	0.80	0.13	—	—	—	0.091	2.95	16	47.20
A 7	HA	16	(g)	1.12	2.72	0.13	0.20	0.16	1.28	2.88	0.091	8.79	43	377.97
A 8	HA	16	(g)	0.14	2.72	0.13	0.20	0.16	0.31	2.88	0.091	6.83	172	1174.76
F 1	HA	32	(e)	5.94	0.39	0.32	—	—	—	—	0.182	7.36	109	802.24
F 2	HA	25	(e)	10.80	0.32	0.25	—	—	—	—	0.150	11.94	61	728.34
F 3	HA	25	(h)	6.00	0.88	1.25	0.22	—	—	—	0.150	11.14	109	1214.26
F 4a	HA	25	(d)	0.82	8.00	1.25	0.22	—	—	—	0.150	10.51	61	641.11
F 4b	HA	25	(d)	0.82	4.05	1.25	0.22	—	—	—	0.150	6.56	61	400.16
F 5	HA	12	(d)	6.11	0.60	0.60	0.09	—	—	—	0.062	7.49	10	74.90
F 6	HA	12	(c)	10.93	—	—	—	—	—	—	—	10.93	10	109.30
F 7	HA	12	(g)	0.20	1.11	0.06	0.10	0.12	0.28	1.19	0.047	3.24	1107	3586.68

NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
B1														
S 1	HA	16	(e)	2.83	0.20	0.16	—	—	—	—	0.091	3.55	5	17.75
S 2	HA	16	(e)	0.83	0.20	0.16	—	—	—	—	0.091	1.55	15	23.25
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	10	35.00
S 4	HA	14	(e)	0.84	0.19	0.14	—	—	—	—	0.089	1.50	30	45.00
D 1	HA	10	(d)	0.79	0.90	0.90	0.09	—	—	—	0.060	2.77	10	27.70
D 2	HA	10	(g)	0.87	0.87	0.04	0.06	0.10	0.92	0.92	0.030	3.92	5	19.60
D 3	HA	10	(g)	0.17	0.87	0.04	0.06	0.10	0.22	0.92	0.030	2.52	16	40.32
B2														
S 1	HA	16	(e)	2.83	0.20	0.16	—	—	—	—	0.091	3.55	5	17.75
S 2	HA	16	(e)	0.83	0.20	0.16	—	—	—	—	0.091	1.55	15	23.25
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	10	35.00
S 4	HA	14	(e)	0.84	0.19	0.14	—	—	—	—	0.089	1.50	30	45.00
D 1	HA	10	(d)	0.66	0.90	0.90	0.09	—	—	—	0.060	2.64	10	26.40
D 2	HA	10	(g)	0.74	0.74	0.04	0.06	0.10	0.79	0.79	0.030	3.40	5	17.00
D 3	HA	10	(g)	0.15	0.74	0.04	0.06	0.10	0.20	0.79	0.030	2.22	16	35.52

* La dimension radiale indique l'exterieur de la barre.

RECAOITUATIF ACIERS / SUMMARY STEELS

HA	10	12	14	16	20	25	32	
POIDS (kg/m)	0.617	0.888	1.208	1.578	2.466	3.854	6.315	
LONG (m)	166.54	5888.12	160.00	1830.09	225.44	2983.87	3330.77	TOTAL
POIDS (kg)	102.76	5228.65	193.28	2887.88	555.94	11499.83	21033.81	41502.15

TOTAL POUR P5 / TOTAL FOR P5

POIDS TOTAL(kg) : 41502.15

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN

REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier

AGENCE DE GESTION DES ROUTES

JICA AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE / JAPAN INTERNATIONAL COOPERATION AGENCY

OC GLOBAL ORIENTAL CONSULTANTS GLOBAL CO., LTD.
INGÉROSEC INGÉROSEC CORPORATION

PALMERAIE
PILE P5 - FERRAILLAGE (4)
PIER P5 - BAR ARRANGEMENT (4)

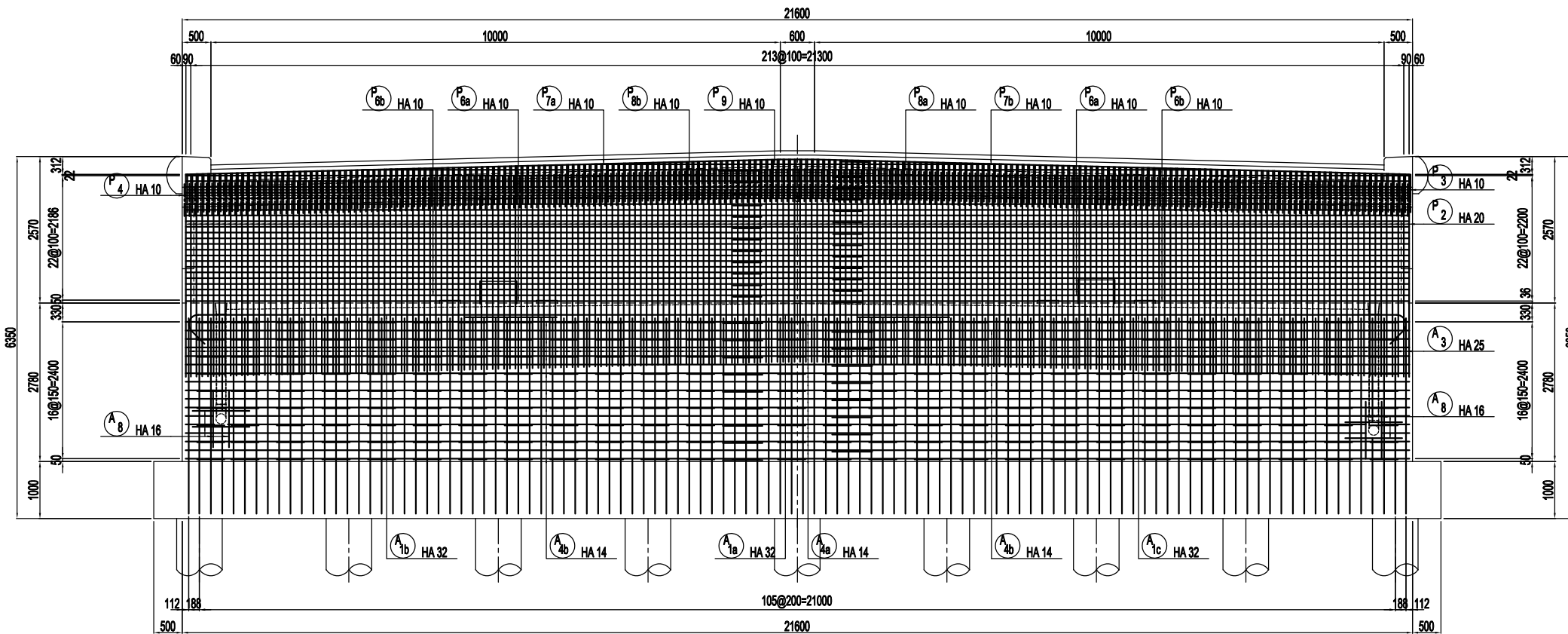
Index / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format : A3 Fichier/ File :

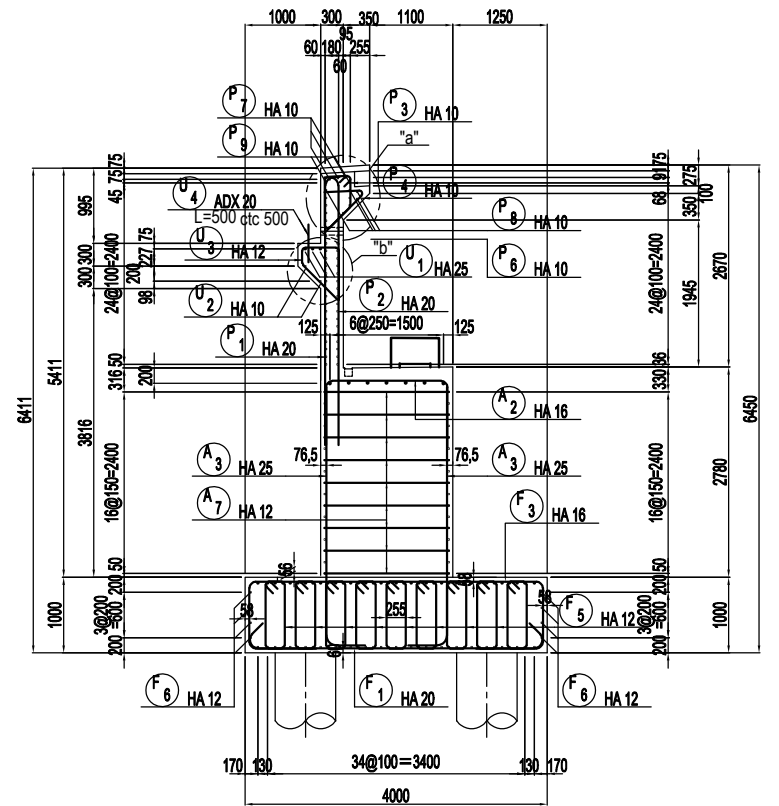
Emetteur / Issuer	Localisation / Location	Type d'ouvrage -Activité / Type of structure -Activity	Type de document / Type of document	N° / No.	Index / Index
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-020	A

A1 E=1:50, A3 E=1:100 / A1 S=1:50, A3 S=1:100

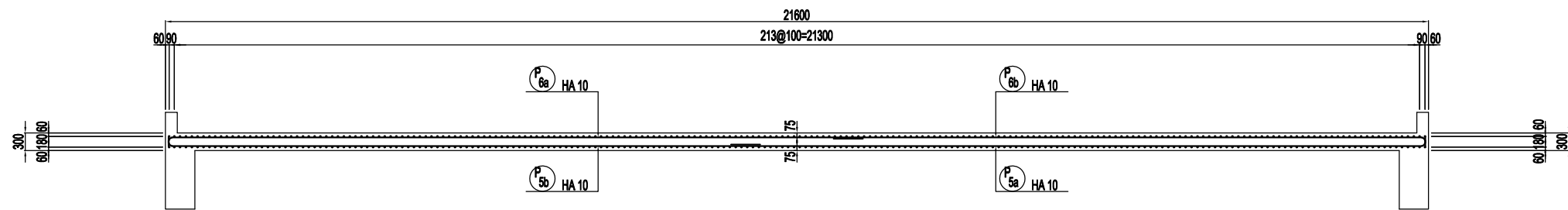
COUPE 1-1



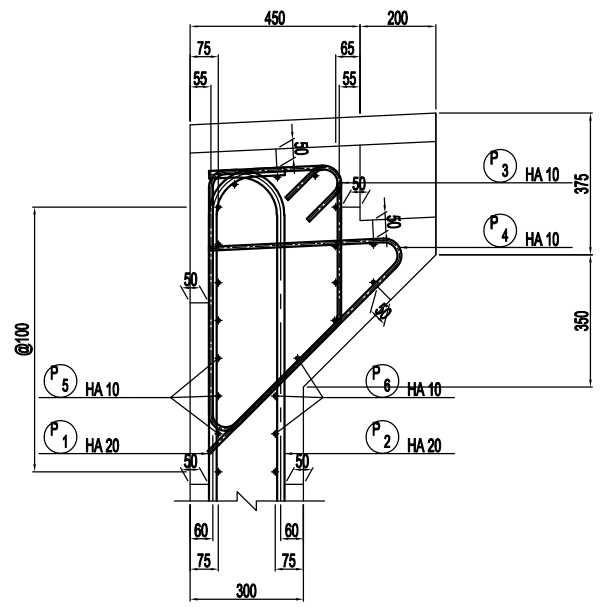
COUPE 2-2



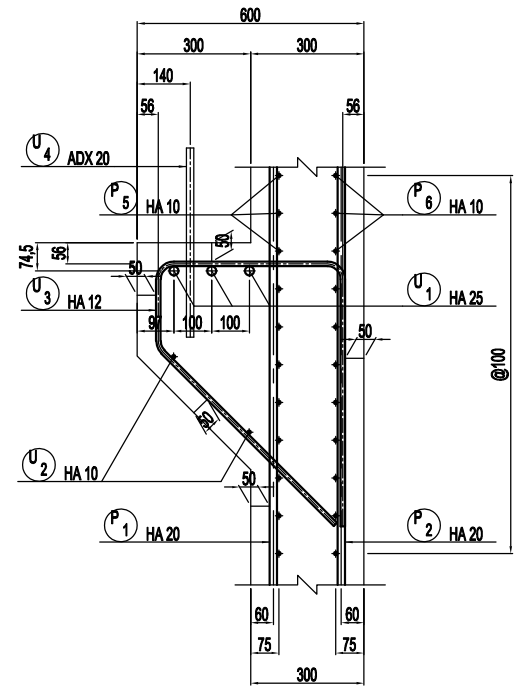
COUPE 3-3



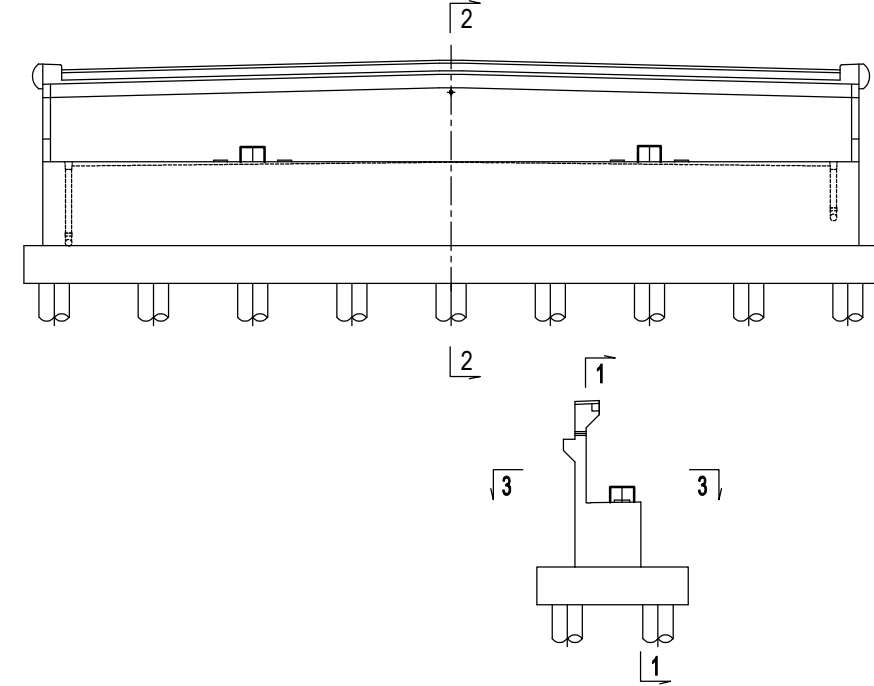
DETAIL "a" / DETAIL "a"
A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



DETAIL "b" / DETAIL "b"
A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



POSITION DE LA SECTION
/ POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



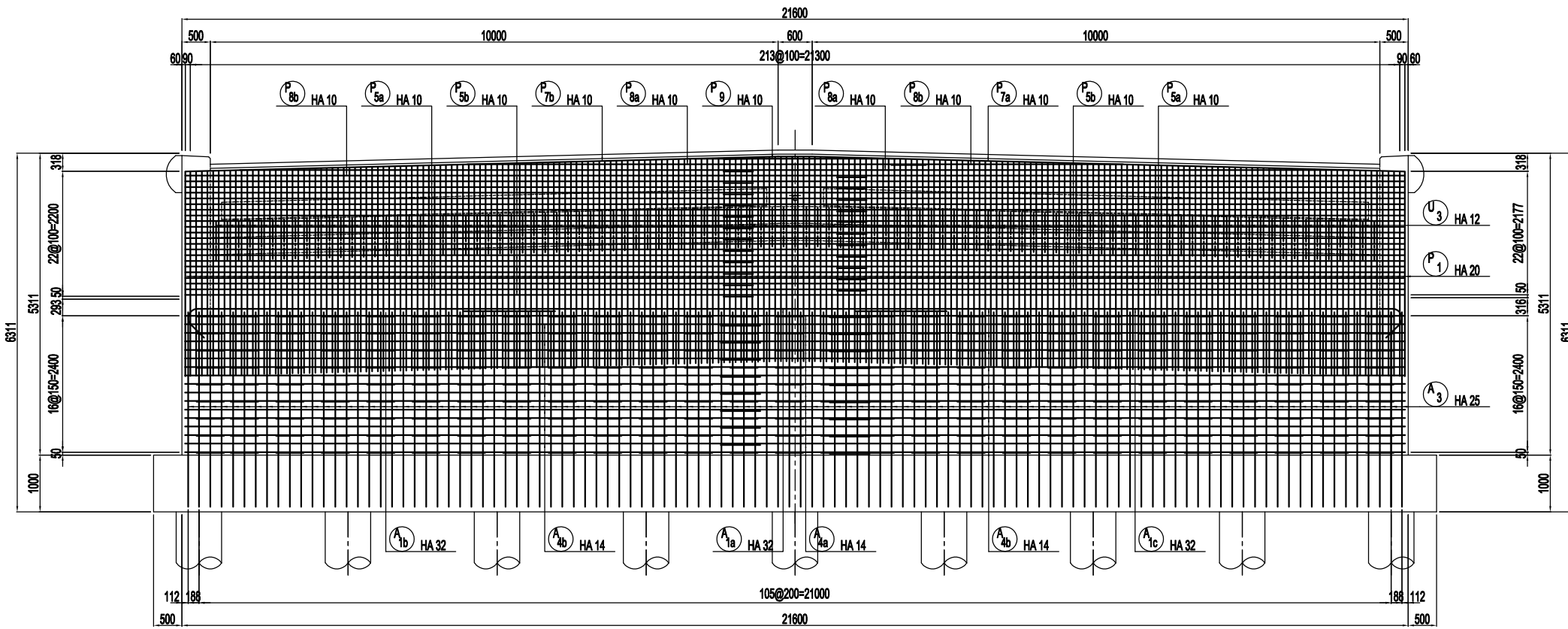
INGÉROSEC CORPORATION

PALMERAIE
CULEE C1 - FERRAILLAGE (1)
ABUTMENT C1 - BAR ARRANGEMENT (1)

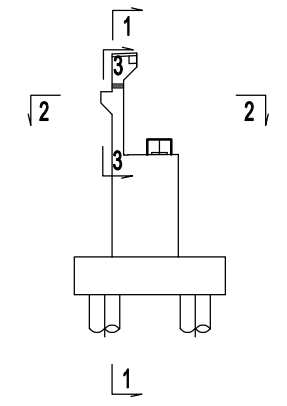
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
A3	OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-021	A

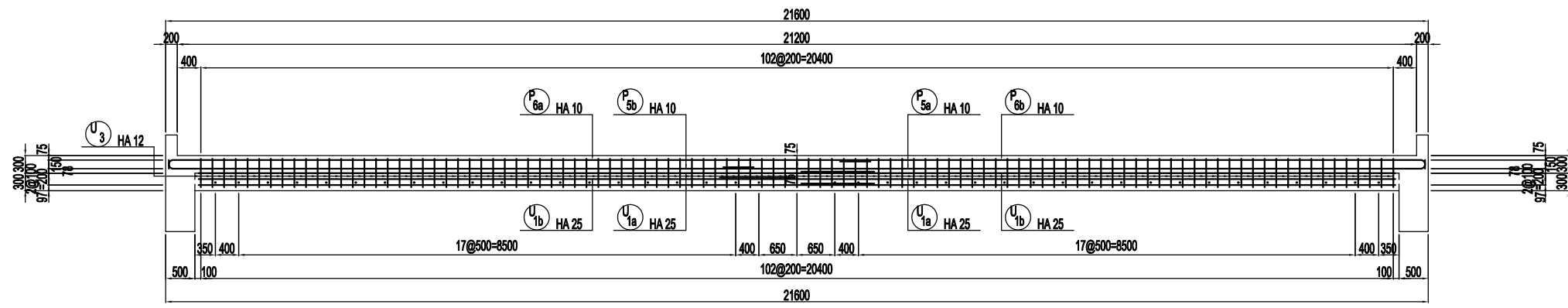
COUPE 1-1



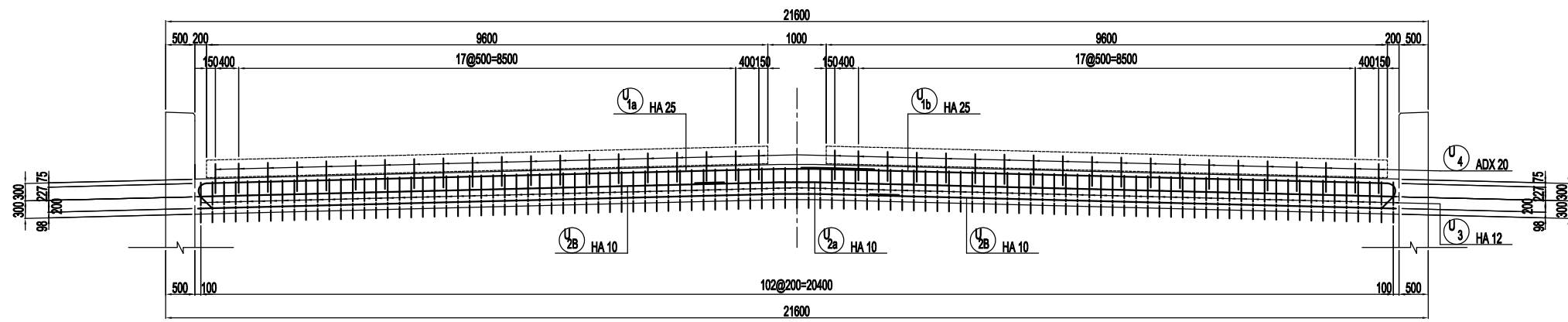
POSITION DE LA SECTION / POSITION OF THE SECTION



COUPE 2-2



COUPE 3-3



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN

REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier

AGENCE DE GESTION DES ROUTES

AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE / JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS GLOBAL CO., LTD.
INGÉROSEC CORPORATION

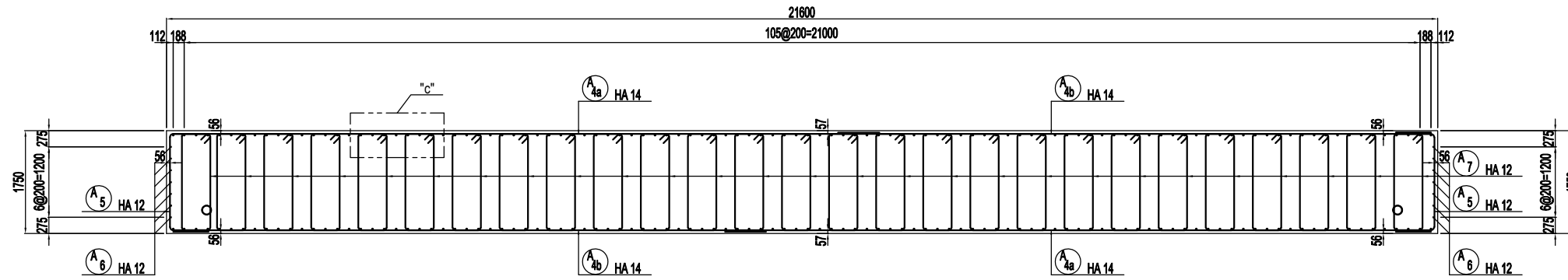
PALMERAIE
CULEE C1 - FERRAILLAGE (2)
A1 E=1:50, A3 E=1:100
ABUTMENT C1 - BAR ARRANGEMENT (2)
A1 S=1:50, A3 S=1:100

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

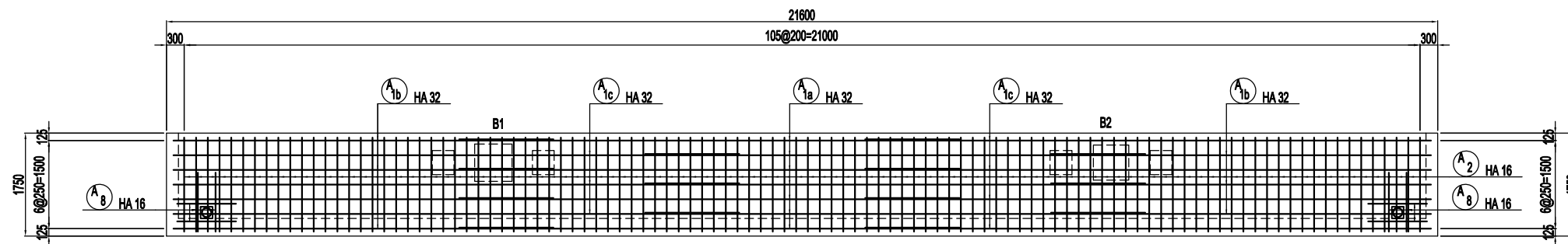
Format	A3	Fichier / File :			
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-022	A

A1 E=1:50, A3 E=1:100 / A1 S=1:50, A3 S=1:100

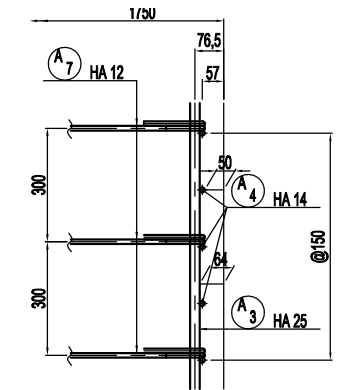
COUPE 1-1



COUPE 2-2



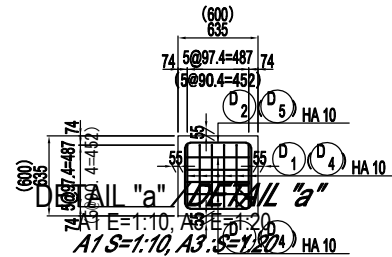
DETAIL "c" / DETAIL "c"
A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



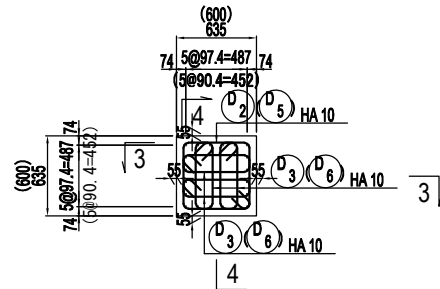
BARRE ARRIERE POUR APPAREILES D'APPUIS
/ REBAR ARRANGEMENT FOR BEARINGS

A1 E=1:30, A3 E=1:60 / A1 S=1:30, A3 S=1:60

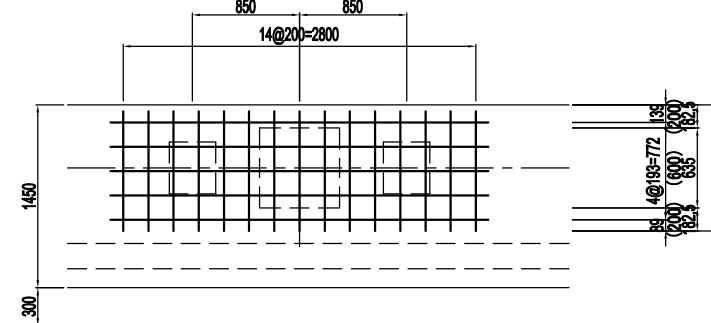
COUPE 1-1



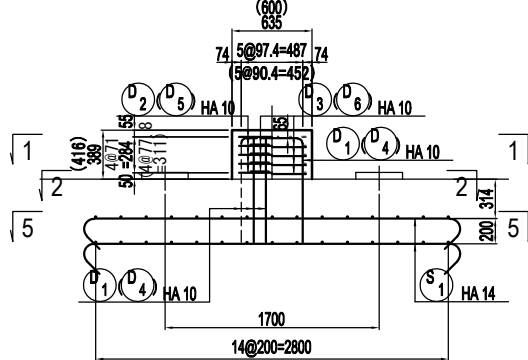
COUPE 2-2



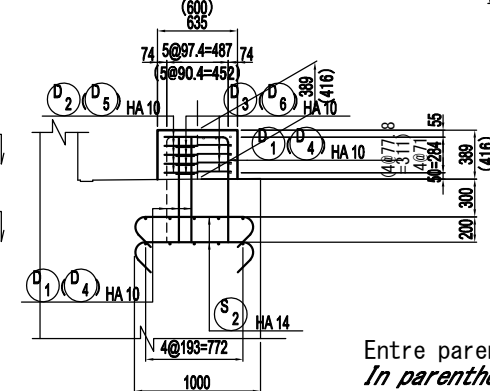
COUPE 5-5



COUPE 3-3

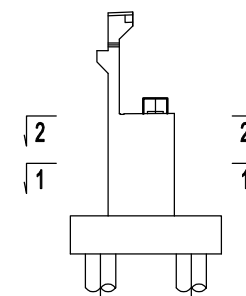


COUPE 4-4



Entre parenthèses dimensions pour B2.
In parentheses dimensions for B2.

POSITION DE LA SECTION
/ POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

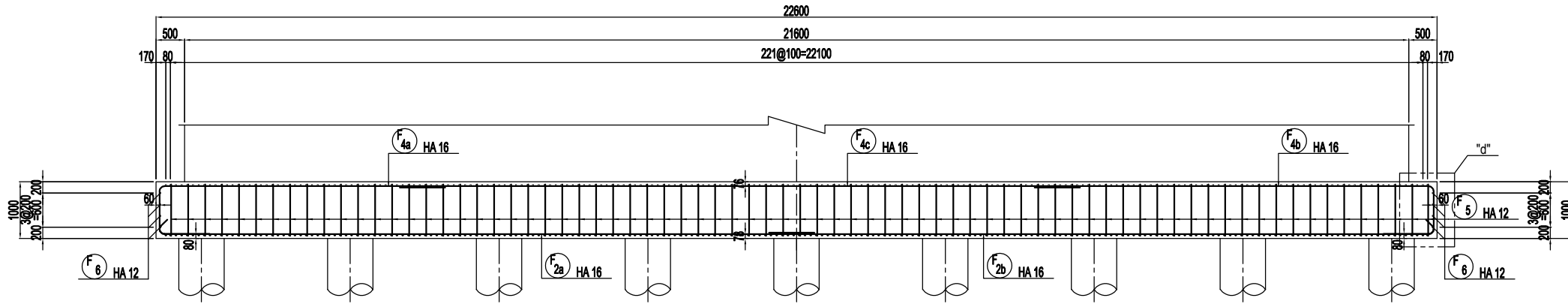
PALMERAIE
CULEE C1 - FERRAILLAGE (3)
ABUTMENT C1 - BAR ARRANGEMENT (3)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier / File			
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-023	A

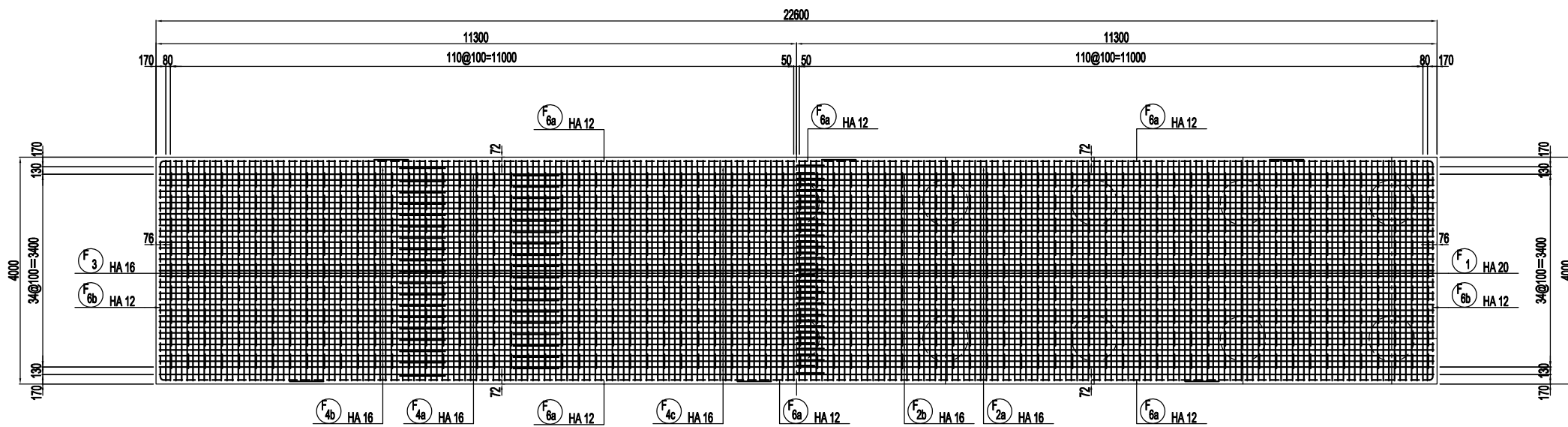
A1 E=1:50, A3 E=1:100 / A1 S=1:50, A3 S=1:100

COUPE 1 - 1



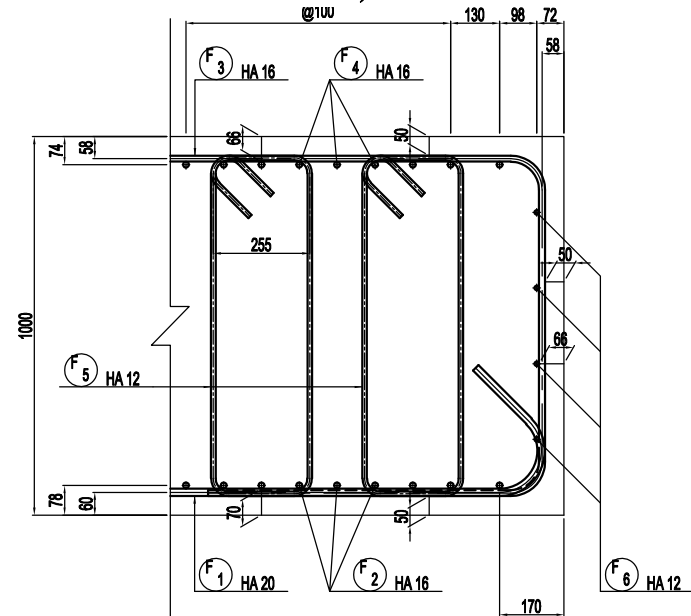
COUPE 2 - 2

COUPE 3 - 3

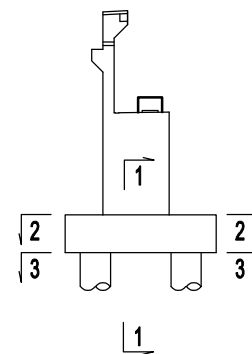


DETAIL "d" / DETAIL "d"

A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



POSITION DE LA SECTION
/ POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



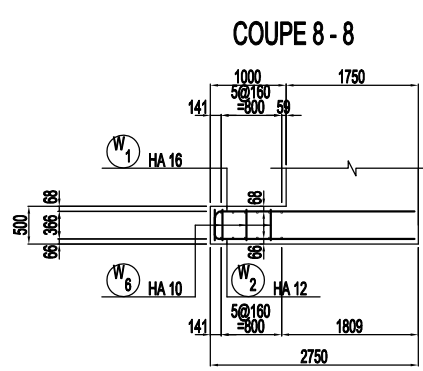
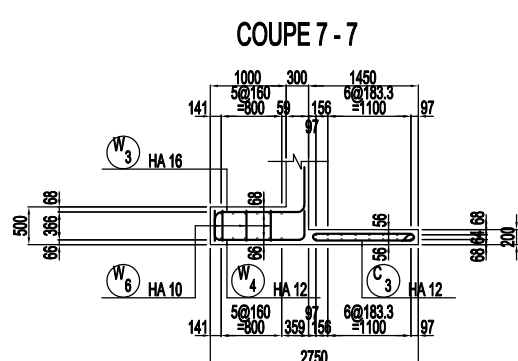
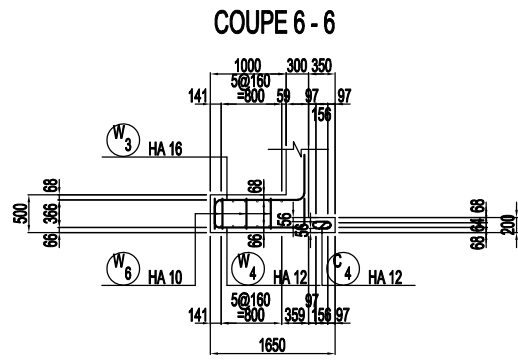
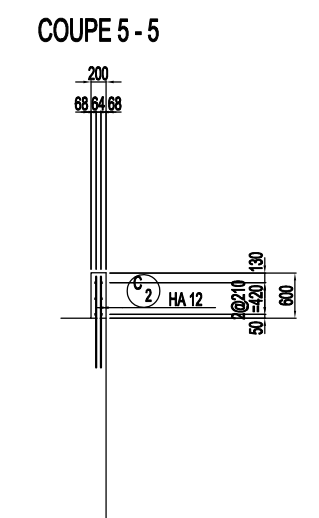
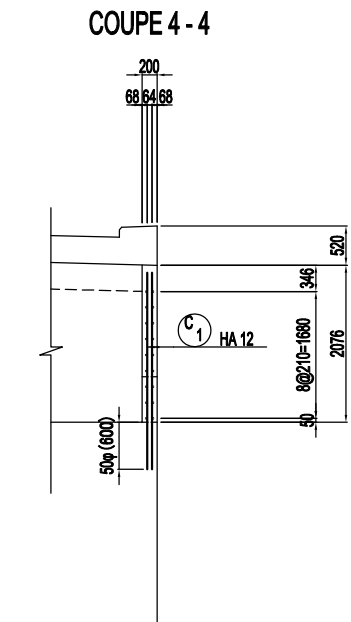
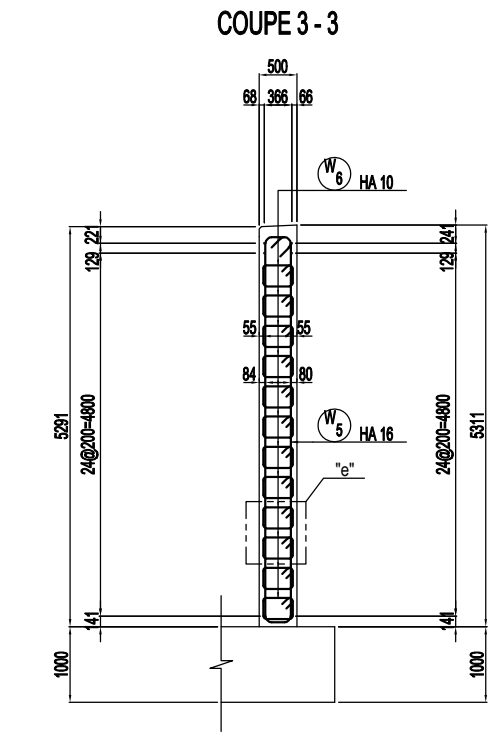
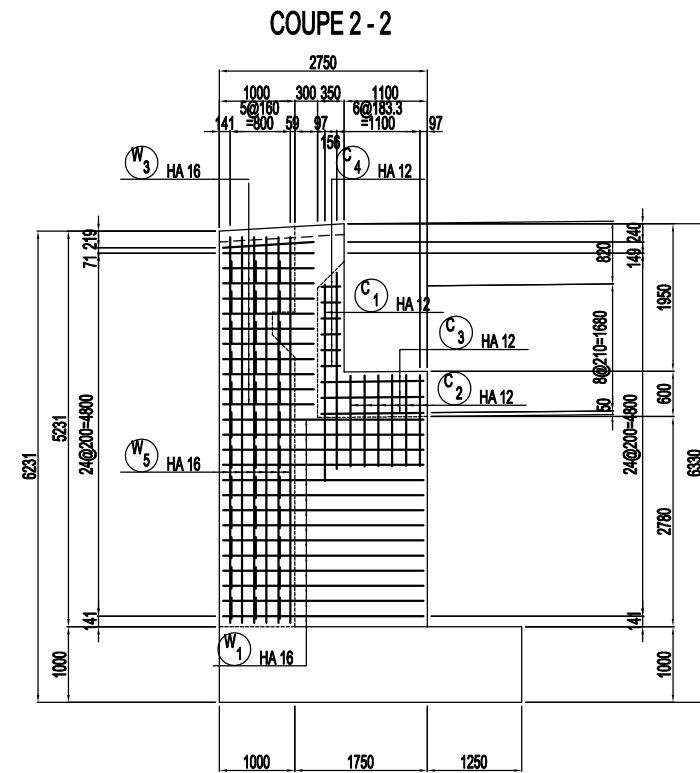
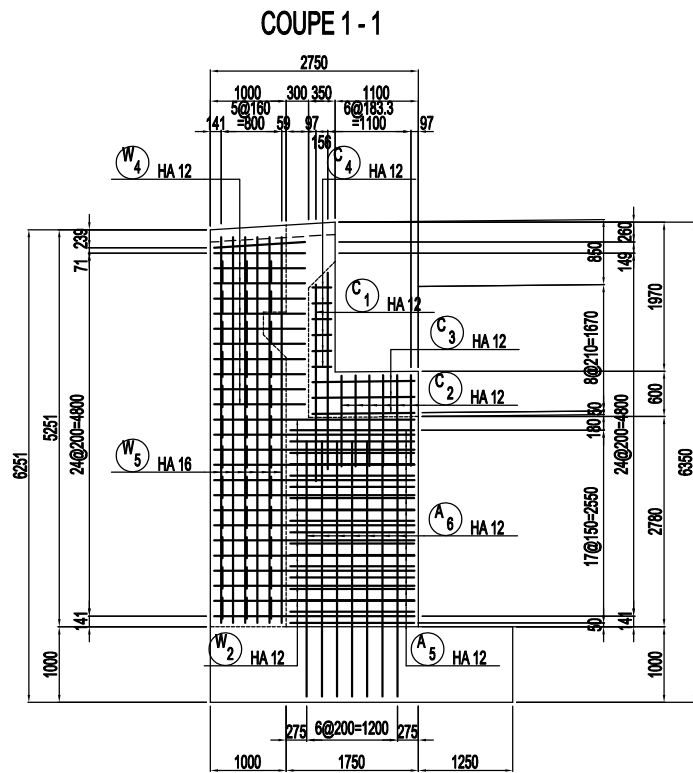
INGÉROSEC CORPORATION

PALMERAIE
CULEE C1 - FERRAILLAGE (4)
ABUTMENT C1 - BAR ARRANGEMENT (4)

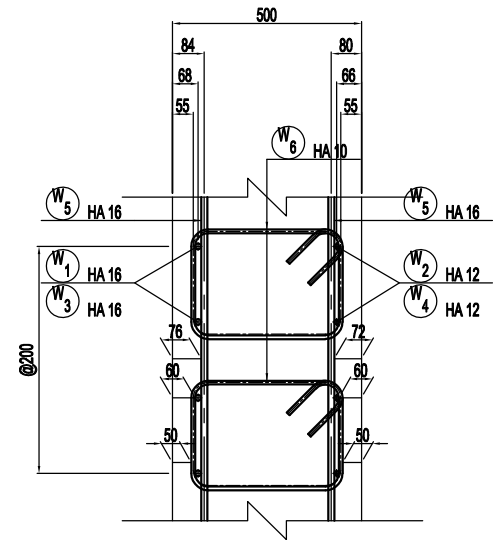
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-024	A

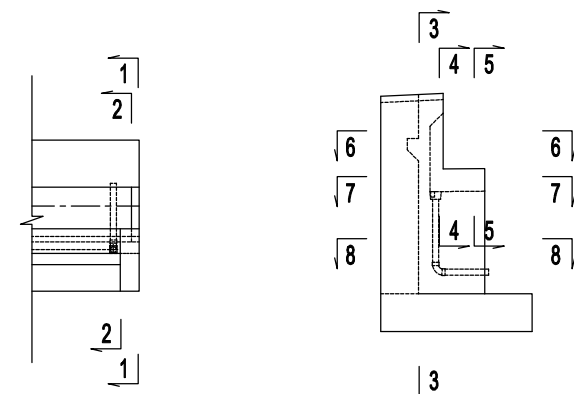
A1 E=1:50, A3 E=1:100 / A1 S=1:50, A3 S=1:100



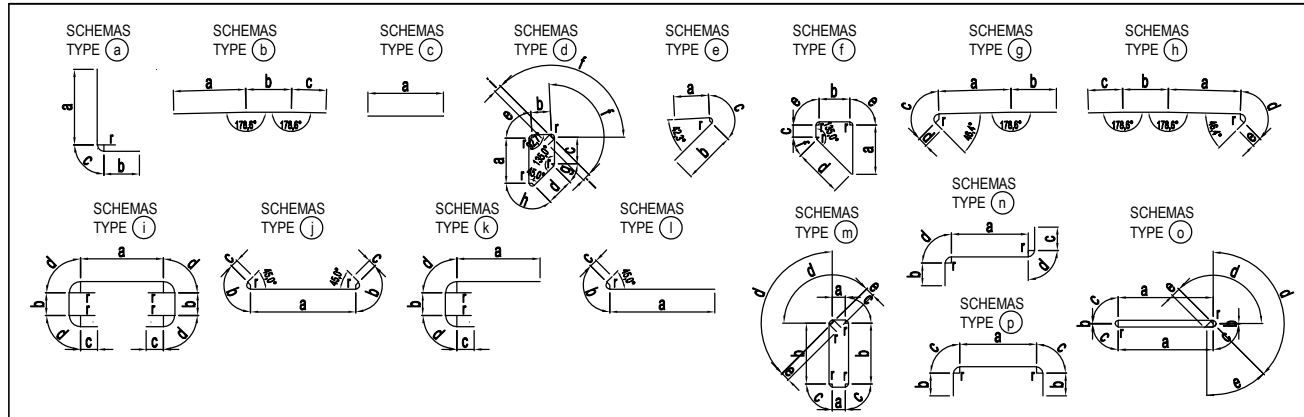
DETAIL "e" / DETAIL "e"
A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



POSITION DE LA SECTION / POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN						
		REPUBLIQUE DE COTE D'IVOIRE Ministère de l'Équipement et de l'Entretien Routier				
		AGENCE DE GESTION DES ROUTES				
		AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE / JAPAN INTERNATIONAL COOPERATION AGENCY				
		ORIENTAL CONSULTANTS GLOBAL CO., LTD.				
		INGÉROSEC CORPORATION				
PALMERAIE CULEE C1 - FERRAILLAGE (5) ABUTMENT C1 - BAR ARRANGEMENT (5)						
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT
Format	A3	Fichier / File :				
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-025	A	



NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	h (m)	i (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
QUANTITE D'ARMATURES POUR UN CULÉE / QUANTITY OF REBARS FOR A ABUTMENT																
P 1	HA	20	(a)	3.44	0.09	0.17	—	—	—	—	—	—	0.120	3.70	216	799.20
P 2	HA	20	(a)	3.44	0.07	0.18	—	—	—	—	—	—	0.120	3.70	216	799.20
P 3	HA	10	(d)	0.60	0.26	0.35	0.37	0.06	0.10	0.03	0.09	0.10	0.045	2.16	216	466.56
P 4	HA	10	(e)	0.46	0.70	0.10	—	—	—	—	—	—	0.045	1.26	216	272.16
P 5a	HA	10	(a)	11.82	0.09	0.09	—	—	—	—	—	—	0.060	12.00	23	276.00
P 5b	HA	10	(a)	10.06	0.09	0.09	—	—	—	—	—	—	0.060	10.24	23	235.52
P 6a	HA	10	(a)	11.82	0.09	0.09	—	—	—	—	—	—	0.060	12.00	24	288.00
P 6b	HA	10	(a)	10.06	0.09	0.09	—	—	—	—	—	—	0.060	10.24	24	245.76
P 7a	HA	10	(b)	10.44	0.60	0.96	—	—	—	—	—	—	—	12.00	3	36.00
P 7b	HA	10	(c)	9.99	—	—	—	—	—	—	—	—	—	9.99	3	29.97
P 8a	HA	10	(c)	9.00	—	—	—	—	—	—	—	—	—	9.00	3	27.00
P 8b	HA	10	(c)	10.55 ~2.55 7.24 ~3.55	—	—	—	—	—	—	—	—	—	6.55	3	19.65
P 9	HA	10	(c)	—	—	—	—	—	—	—	—	—	—	5.40	2	10.80
U 1a	HA	25	(h)	9.81	0.60	1.02	0.32	0.25	—	—	—	—	0.150	12.00	3	36.00
U 1b	HA	25	(g)	9.81	0.23	0.32	0.25	—	—	—	—	—	0.150	10.61	3	31.83
U 2a	HA	10	(b)	9.95	0.60	1.45	—	—	—	—	—	—	—	12.00	2	24.00
U 2b	HA	10	(c)	9.01	—	—	—	—	—	—	—	—	—	9.01	2	18.02
U 3	HA	12	(f)	0.65	0.41	0.16	0.65	0.06	0.03	—	—	—	0.047	2.02	103	208.06
U 4	ADX	20	(c)	0.50	—	—	—	—	—	—	—	—	—	0.50	40	20.00
A 1a	HA	32	(c)	8.50	—	—	—	—	—	—	—	—	—	8.50	7	59.50
A 1b	HA	32	(l)	6.29	0.39	0.32	—	—	—	—	—	—	0.182	7.00	7	49.00
A 1c	HA	32	(l)	9.45	0.39	0.32	—	—	—	—	—	—	0.182	10.16	7	71.12
A 2	HA	16	(p)	1.44	0.80	0.13	—	—	—	—	—	—	0.091	3.30	106	349.80
A 3	HA	25	(a)	3.15	0.38	0.22	—	—	—	—	—	—	0.150	3.75	216	810.00
A 4a	HA	14	(c)	12.00	—	—	—	—	—	—	—	—	—	12.00	34	408.00
A 4b	HA	14	(c)	10.08	—	—	—	—	—	—	—	—	—	10.08	34	342.72
A 5	HA	12	(p)	1.53	0.60	0.09	—	—	—	—	—	—	0.062	2.91	34	98.94
A 6	HA	12	(a)	3.26	0.18	0.09	—	—	—	—	—	—	0.062	3.53	14	45.64
A 7	HA	12	(m)	0.40	1.56	0.06	0.10	0.12	—	—	—	—	0.047	4.54	243	1103.22
A 8	HA	16	(c)	1.00	—	—	—	—	—	—	—	—	—	1.00	16	16.00
S 1	HA	14	(j)	2.82	0.19	0.14	—	—	—	—	—	—	0.089	3.48	20	69.60
S 2	HA	14	(j)	0.77	0.19	0.14	—	—	—	—	—	—	0.089	1.43	60	85.80
D 1	HA	10	(p)	0.41	0.80	0.06	—	—	—	—	—	—	0.045	2.13	10	21.30
D 2	HA	10	(m)	0.45	0.45	0.06	0.09	0.10	—	—	—	—	0.045	2.36	5	11.80
D 3	HA	10	(m)	0.05	0.45	0.06	0.09	0.10	—	—	—	—	0.045	1.56	16	24.96
D 4	HA	10	(p)	0.37	0.82	0.06	—	—	—	—	—	—	0.045	2.13	10	21.30
D 5	HA	10	(m)	0.41	0.41	0.06	0.09	0.10	—	—	—	—	0.045	2.20	5	11.00
D 6	HA	10	(m)	0.05	0.41	0.06	0.09	0.10	—	—	—	—	0.045	1.48	16	23.68

NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	h (m)	i (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
F 1	HA	20	(j)	3.66	0.26	0.20	—	—	—	—	—	—	0.120	4.58	224	1025.92
F 2a	HA	16	(l)	11.47	0.20	0.16	—	—	—	—	—	—	0.091	11.83	37	437.71
F 2b	HA	16	(l)	11.64	0.20	0.16	—	—	—	—	—	—	0.091	12.00	37	444.00
F 3	HA	16	(i)	3.72	0.72	0.80	0.13	—	—	—	—	—	0.091	7.28	224	1630.72
F 4a	HA	16	(k)	6.96	0.68	0.80	0.13	—	—	—	—	—	0.091	8.90	37	329.30
F 4b	HA	16	(k)	4.96	0.68	0.80	0.13	—	—	—	—	—	0.091	6.90	37	255.30
F 4c	HA	16	(c)	12.00	—	—	—	—	—	—	—	—	—	12.00	37	444.00
F 5	HA	12	(m)	0.17	0.81	0.06	0.10	0.12	—	—	—	—	0.047	2.58	675	1741.50
F 6a	HA	12	(c)	8.50	—	—	—	—	—	—	—	—	—	8.50	16	136.00
F 6b	HA	12	(k)	4.31	3.75	2.82	0.09	—	—	—	—	—	0.062	11.06	8	88.48
W 1	HA	16	(a)	2.56	0.30	0.13	—	—	—	—	—	—	0.091	2.99	28	83.72
W 2	HA	12	(a)	2.59	0.33	0.09	—	—	—	—	—	—	0.062	3.01	28	84.28
W 3	HA	16	(n)	1.02	0.30	0.51	0.13	—	—	—	—	—	0.091	2.09	24	50.16
W 4	HA	12	(k)	0.33	1.08	0.32	0.09	—	—	—	—	—	0.062	1.91	24	45.84
W 5	HA	16	(m)	0.17	4.92	0.13	0.20	0.16	—	—	—	—	0.091	11.29	12	135.48
W 6	HA	10	(m)	0.20	0.31	0.06	0.10	0.10	—	—	—	—	0.045	1.60	72	115.20
C 1	HA	12	(c)	2.60	—	—	—	—	—	—	—	—	—	2.60	8	20.80
C 2	HA	12	(c)	1.20	—	—	—	—	—	—	—	—	—	1.20	24	28.80
C 3	HA	12	(o)	1.26	0.01	0.06	0.10	0.12	—	—	—	—	0.047	3.16	6	18.96
C 4	HA	12	(o)	0.16	0.01	0.06	0.10	0.12	—	—	—	—	0.047	0.96	12	11.52

RECAOIUTATIF ACIERS / SUMMARY STEELS

HA	10	12	14	16	20	25	32	
POIDS (kg/m)	0.617	0.888	1.208	1.578	2.466	3.854	6.315	
LONG (m)	2194.00	3500.70	817.80	4176.19	2624.32	877.23	179.62	TOTAL
POIDS (kg)	1353.70	3108.62	987.90	6590.03	6471.57	3383.16	1133.94	23028.92
ADX	10	12	14	16	20	25	32	
POIDS (kg/m)	0.617	0.888	1.208	1.578	2.466	3.854	6.315	
LONG (m)	—	—	—	—	20.00	—	—	TOTAL
POIDS (kg)	—	—	—	—	49.32	—	—	49.32
TOTAL POUR C1 / TOTAL FOR C1								
POIDS TOTAL (kg) : 23078.24								

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN

REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier

AGENCE DE GESTION DES ROUTES

AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE / JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS GLOBAL CO., LTD.

INGÉROSEC CORPORATION

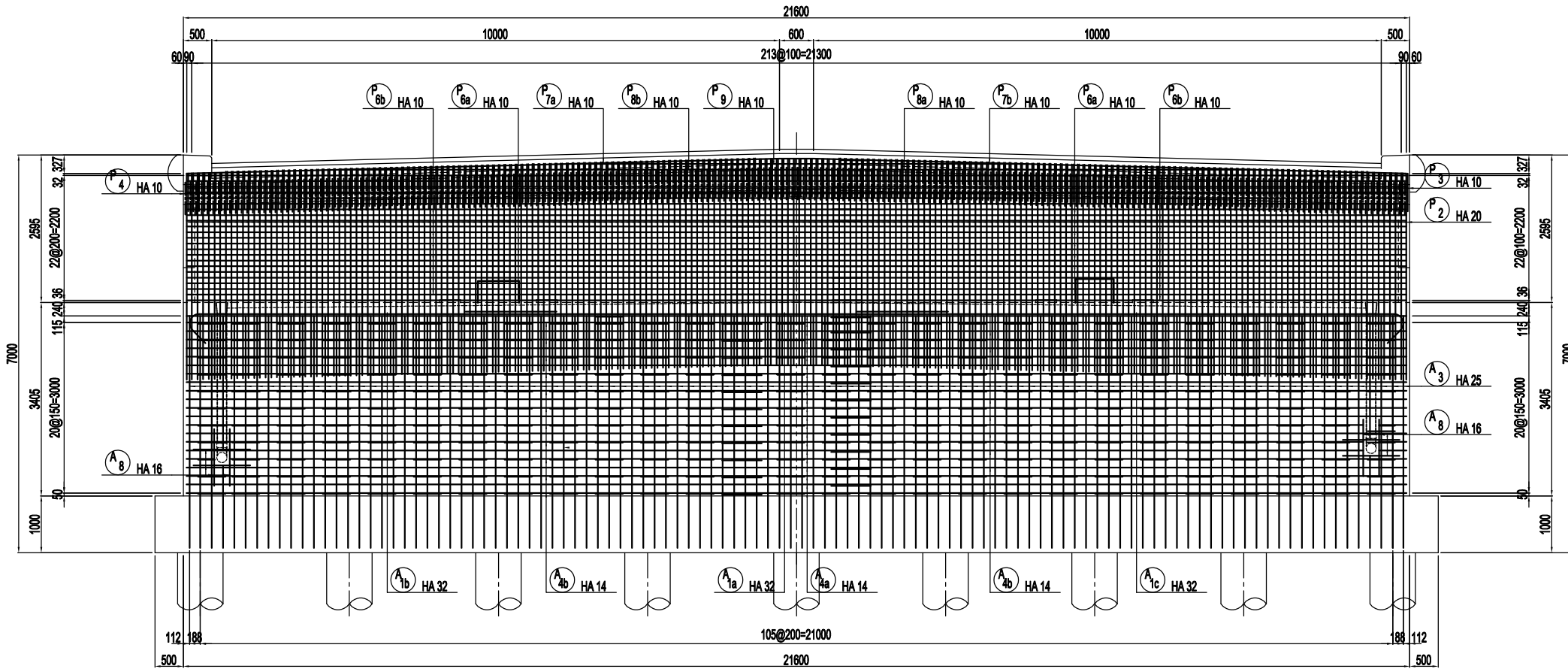
PALMERAIE
CULÉE C1 - FERRAILLAGE (6)
ABUTMENT C1 - BAR ARRANGEMENT (6)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

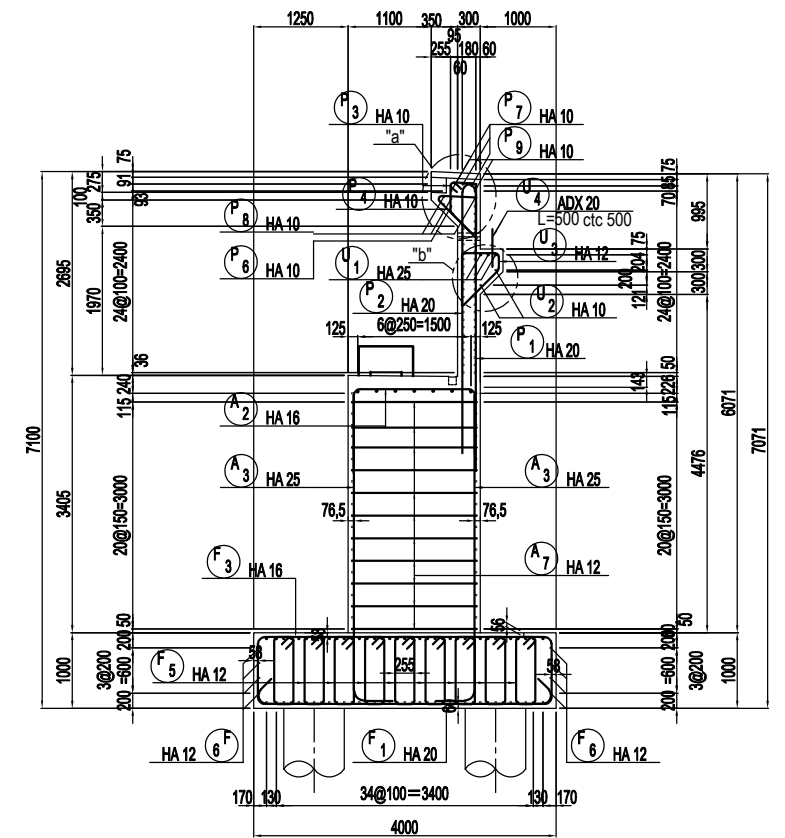
Format	A3	Fichier/ File:
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity
OCC, ISEC	BFM	PONT
		Type de document / Type of document
		DESSINS
		N° / No.
		H-PA-FE-026
		Indice / Index
		A

A1 E=1:50, A3 E=1:100 / A1 S=1:50, A3 S=1:100

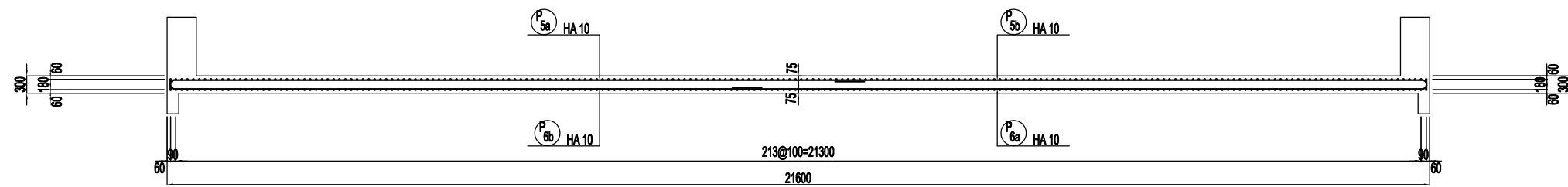
COUPE 1-1



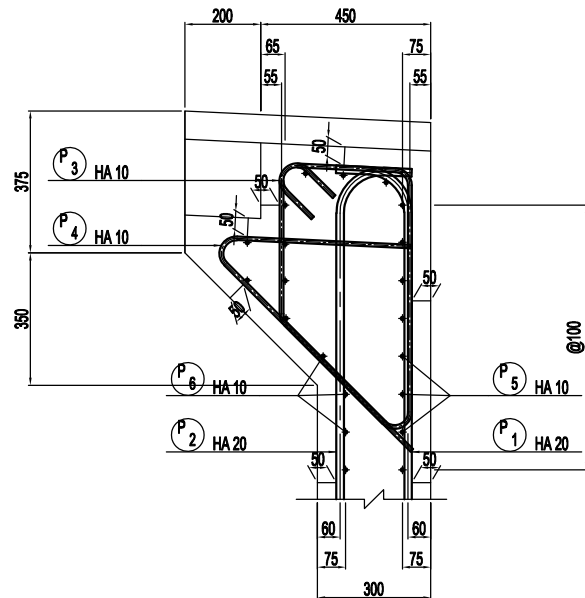
COUPE 2-2



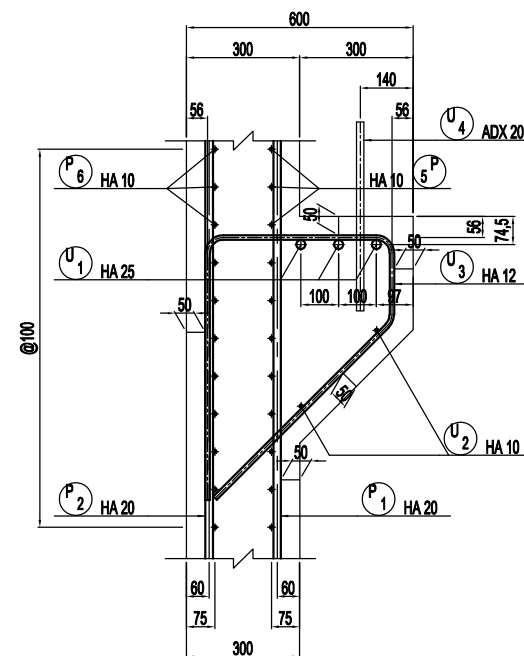
COUPE 3-3



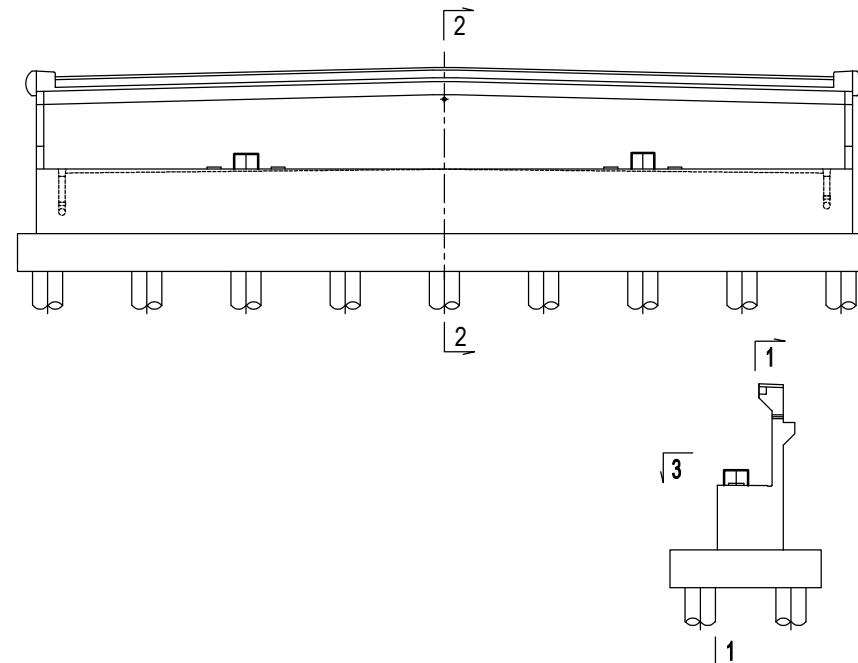
DETAIL "a" / DETAIL "a"
A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



DETAIL "b" / DETAIL "b"
A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



POSITION DE LA SECTION
/ POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



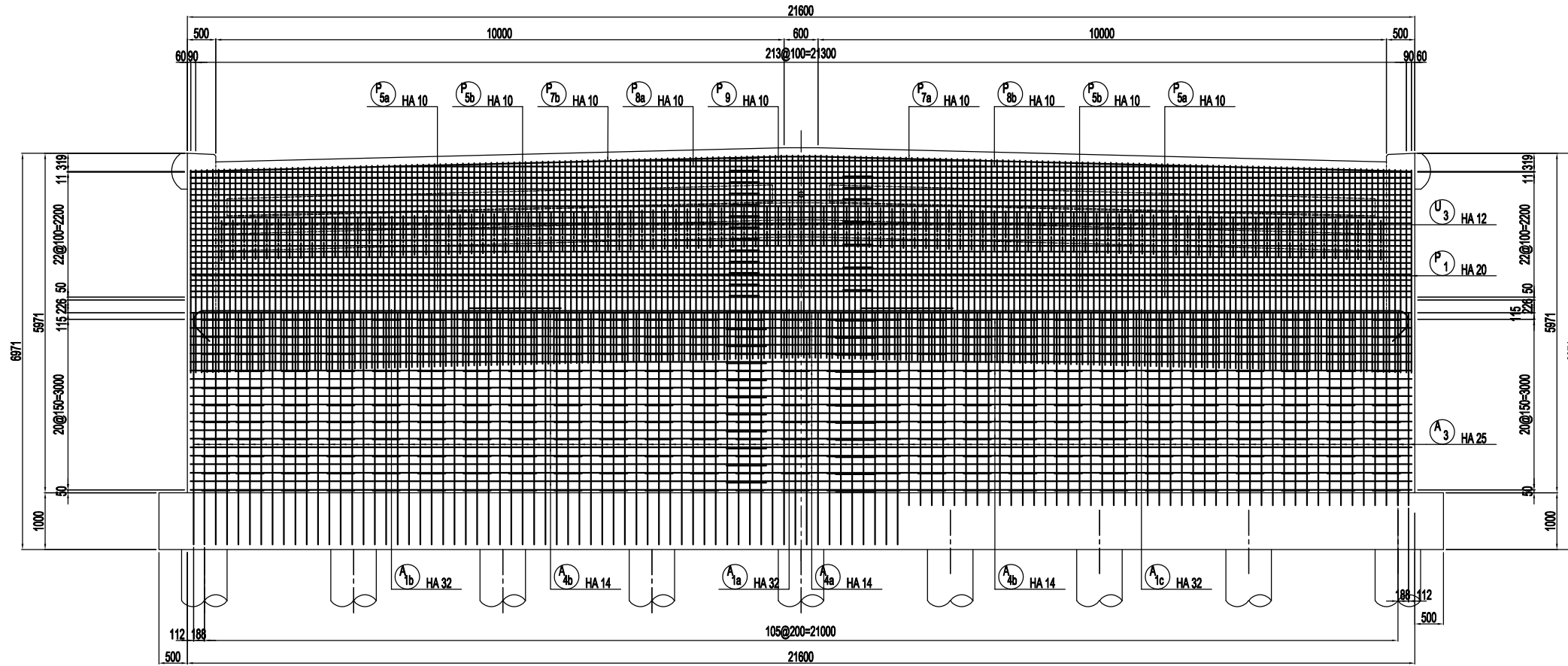
INGÉROSEC CORPORATION

PALMERAIE
CULEE C2 - FERRAILLAGE (1)
ABUTMENT C2 - BAR ARRANGEMENT (1)

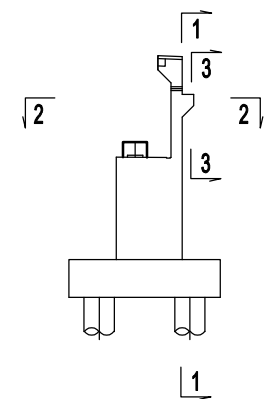
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier / File
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity
OCC, ISEC	BFM	PONT
		Type de document / Type of document
		DESSINS
		N° / No.
		H-PA-FE-027
		Indice / Index
		A

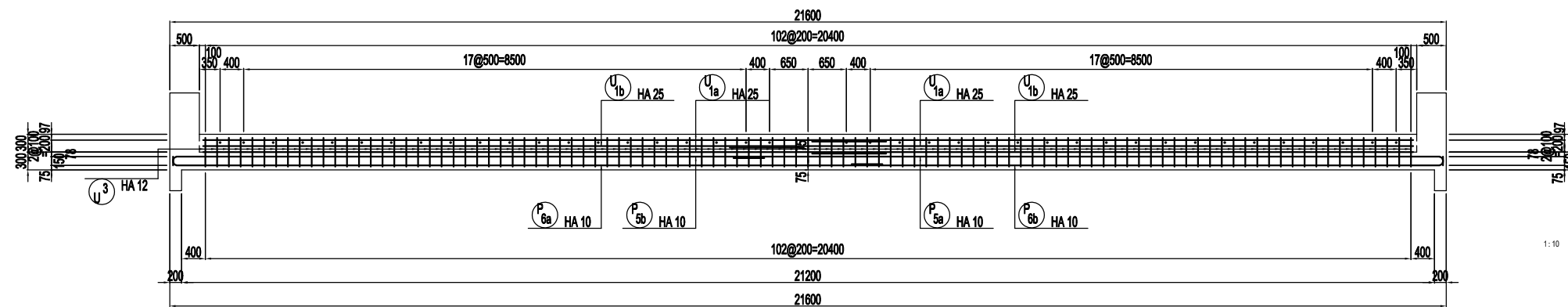
A1 E=1:50, A3 E=1:100 / A1 S=1:50, A3 S=1:100



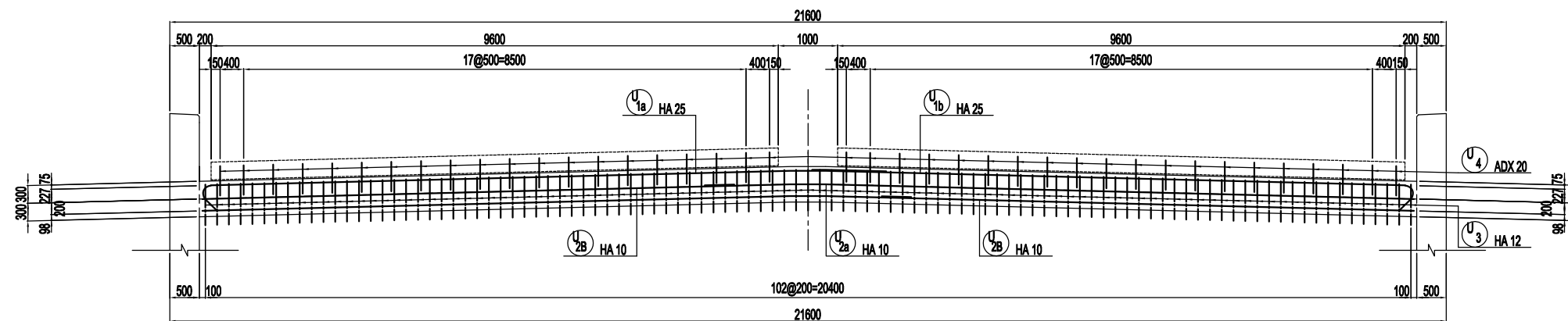
POSITION DE LA SECTION / POSITION OF THE SECTION



COUPE 2-2



COUPE 3-3



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

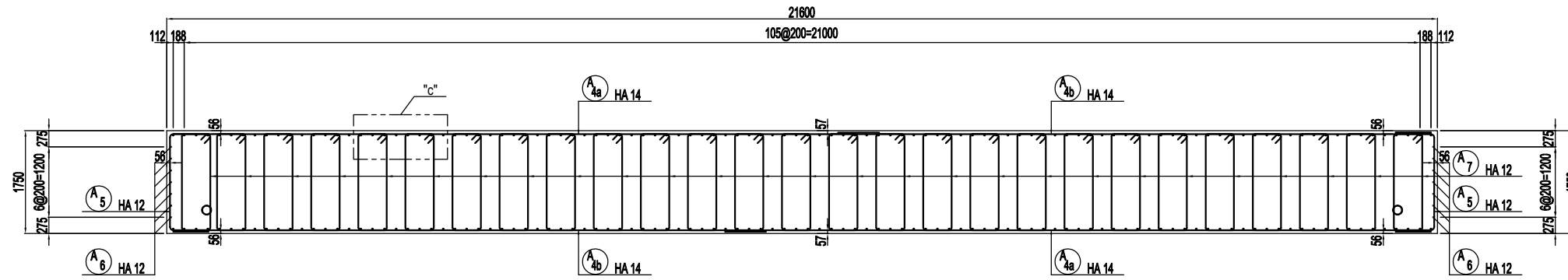
PALMERAIE
CULEE C2 - FERRAILLAGE (2)
ABUTMENT C2 - BAR ARRANGEMENT (2)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-028	A

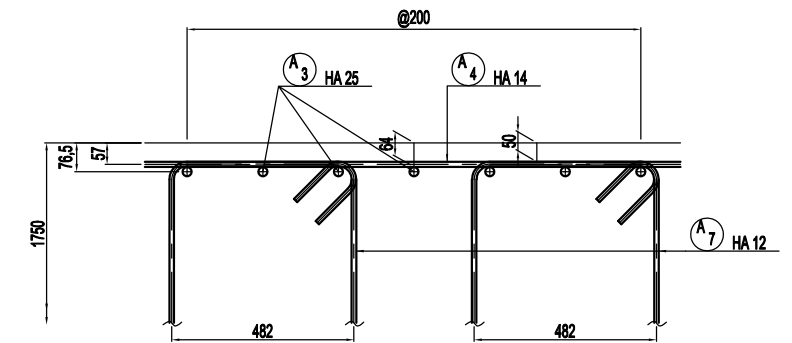
A1 E=1:50, A3 E=1:100 / A1 S=1:50, A3 S=1:100

COUPE 1-1

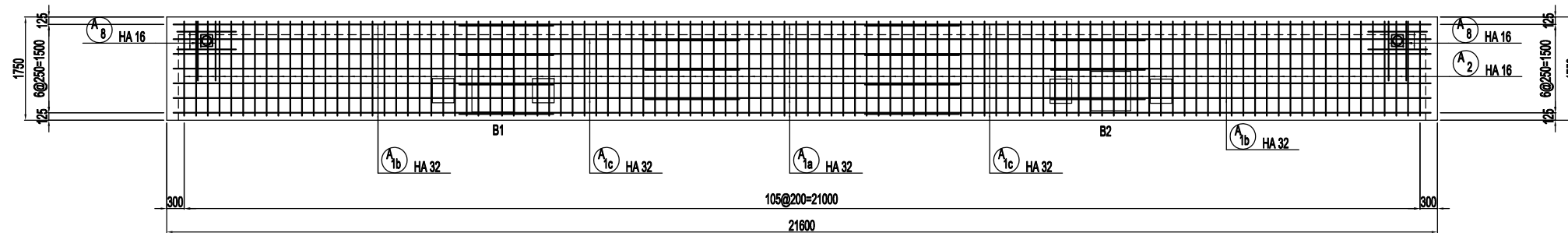


DETAIL "c" / DETAIL "c"

A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



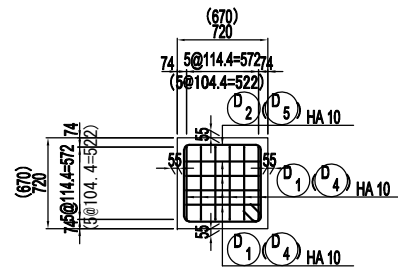
COUPE 2-2



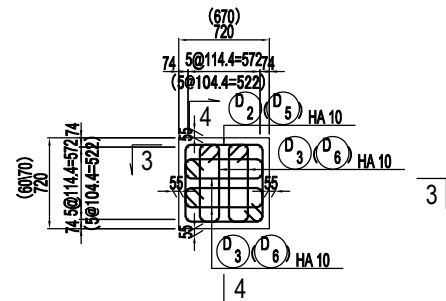
BARRE ARRIERE POUR APPAREILES D'APPUIS
/ REBAR ARRANGEMENT FOR BEARINGS

A1 E=1:30, A3 E=1:60 / A1 S=1:30, A3 S=1:60

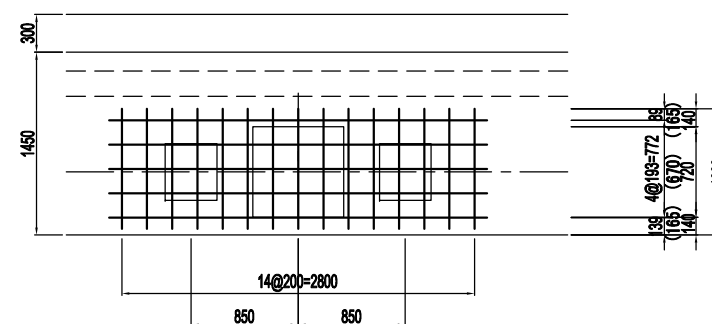
COUPE 1-1



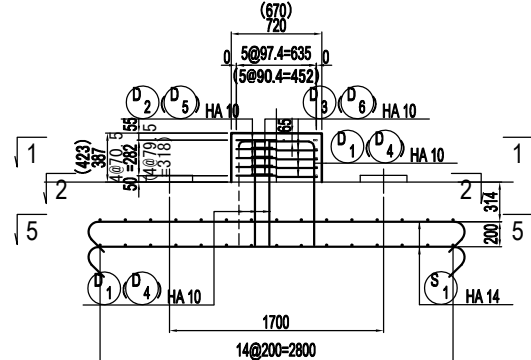
COUPE 2-2



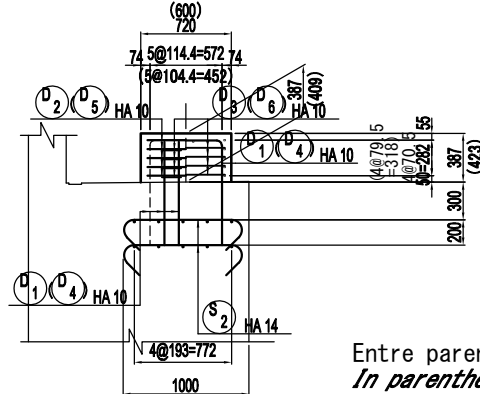
COUPE 5-5



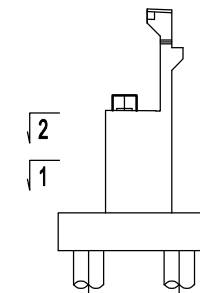
COUPE 3-3



COUPE 4-4



POSITION DE LA SECTION
/ POSITION OF THE SECTION



Entre parenthèses dimensions pour B2.
In parentheses dimensions for B2.

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

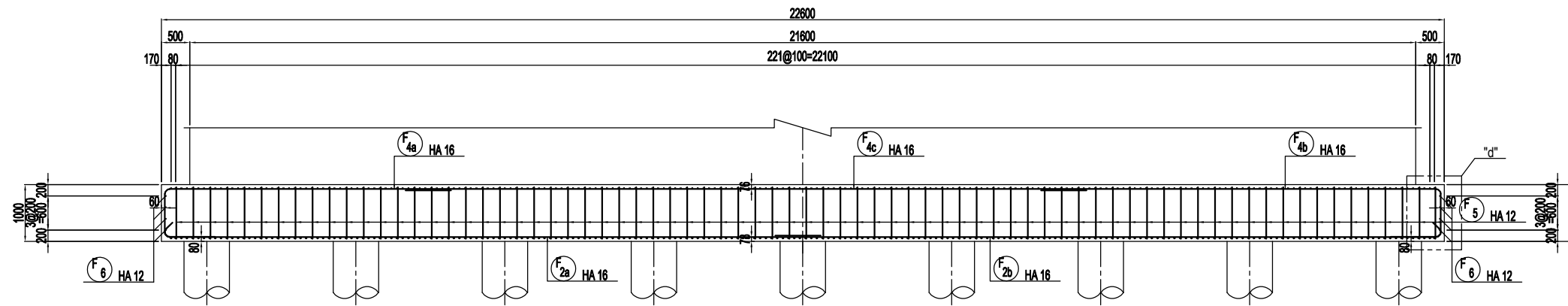
PALMERAIE
CULEE C2 - FERRAILLAGE (3)
ABUTMENT C2 - BAR ARRANGEMENT (3)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier/ File:				
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-029	A	

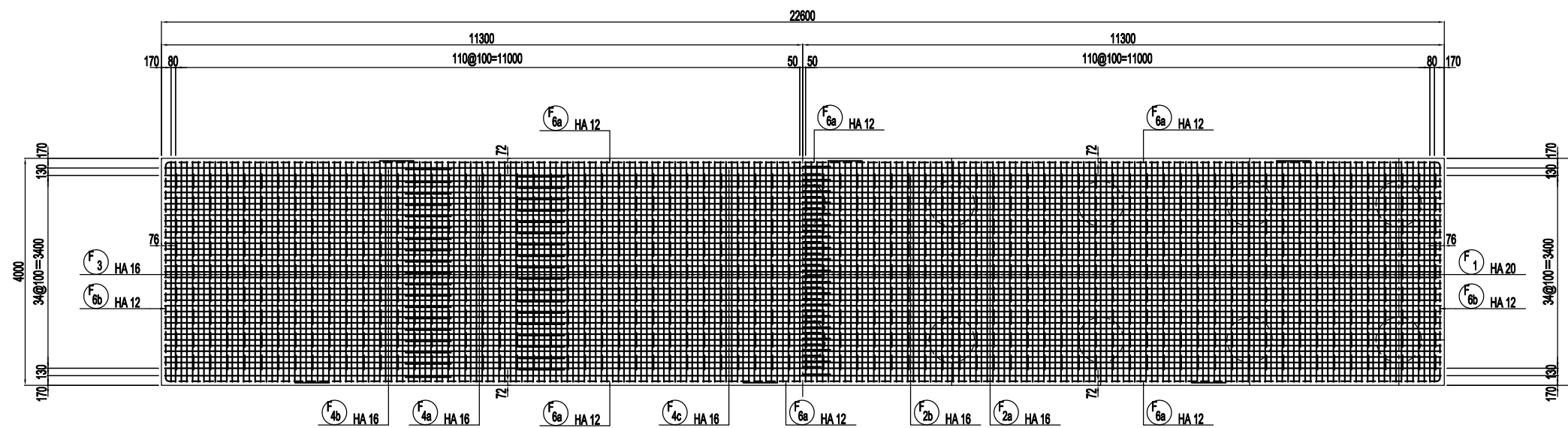
A1 E=1:50, A3 E=1:100 / A1 S=1:50, A3 S=1:100

COUPE 1 - 1



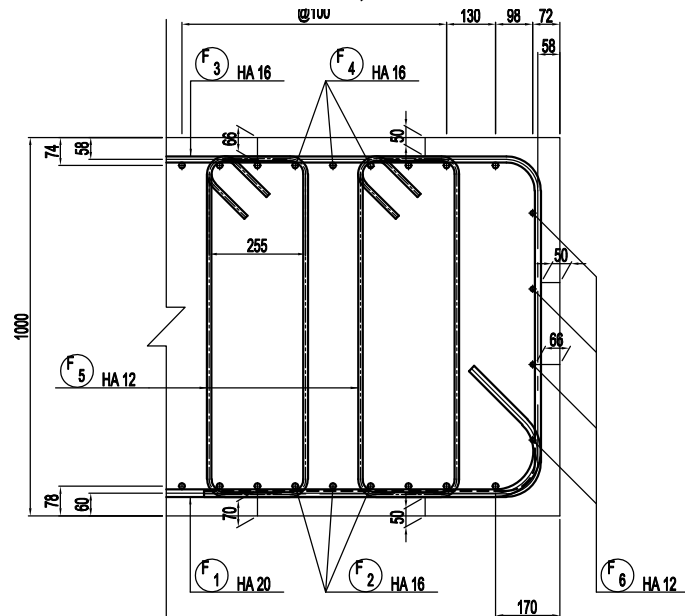
COUPE 2 - 2

COUPE 3 - 3

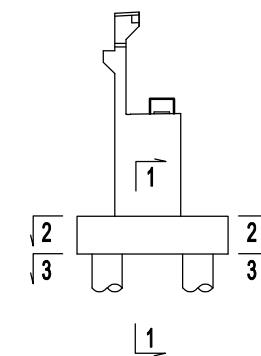


DETAIL "d" / DETAIL "d"

A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



POSITION DE LA SECTION / POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



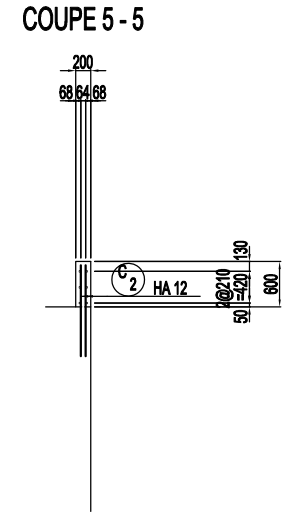
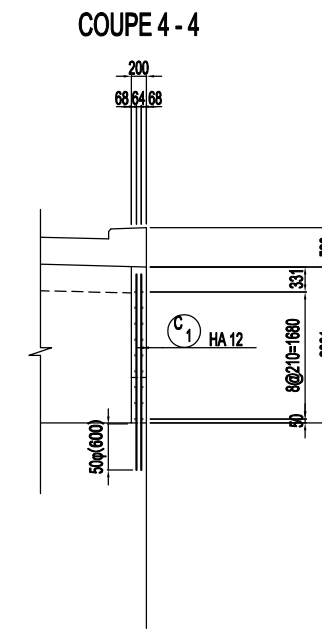
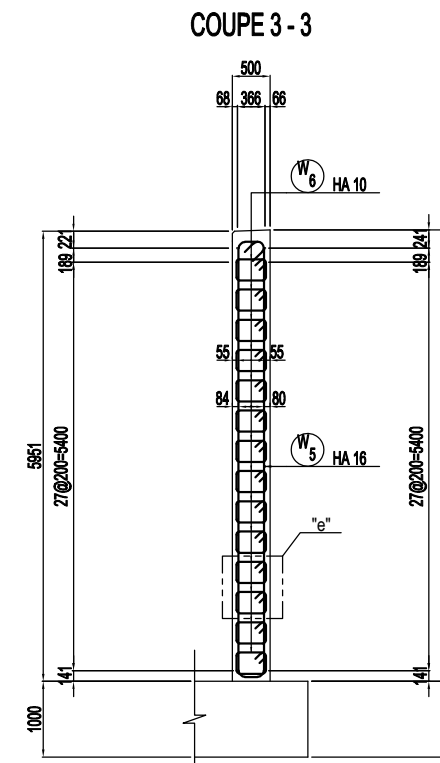
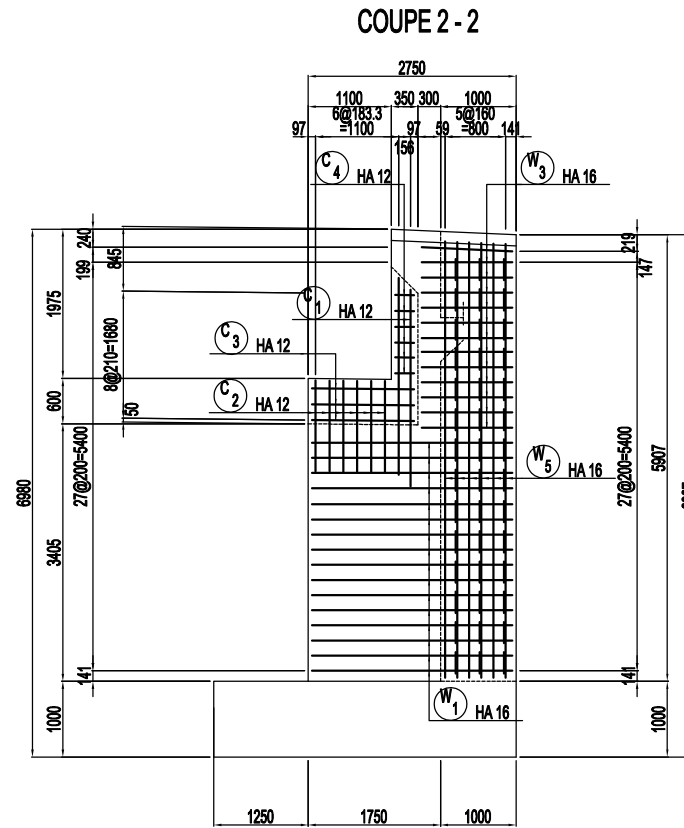
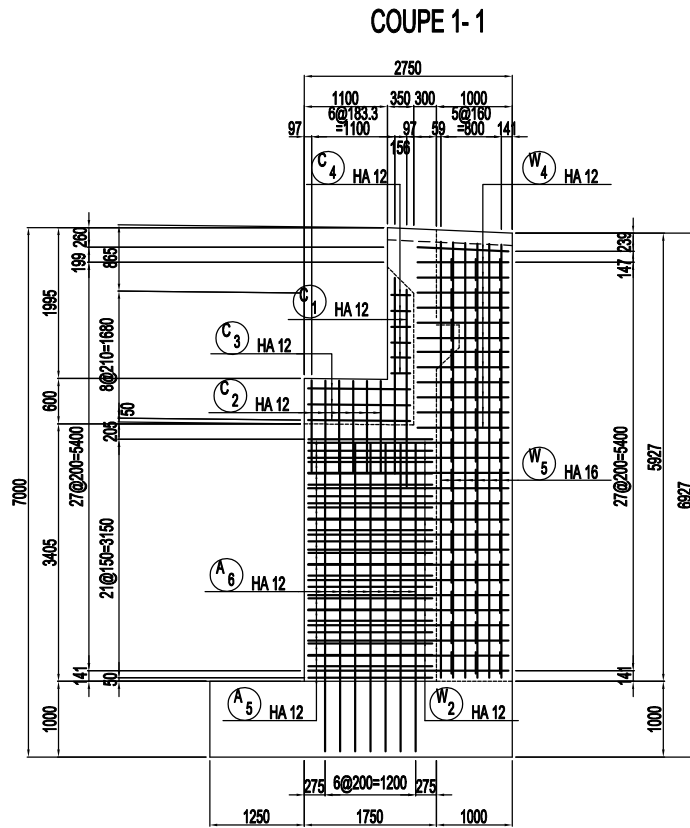
INGÉROSEC CORPORATION

PALMERAIE
CULEE C2 - FERRAILLAGE (4)
ABUTMENT C2 - BAR ARRANGEMENT (4)

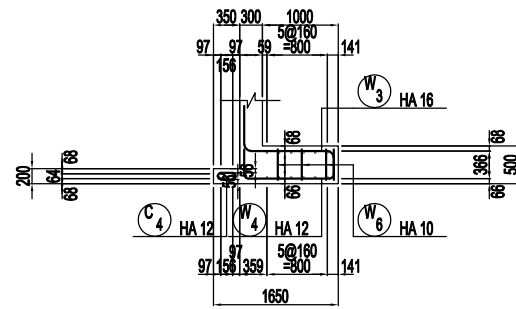
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier / File :				
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-030	A	

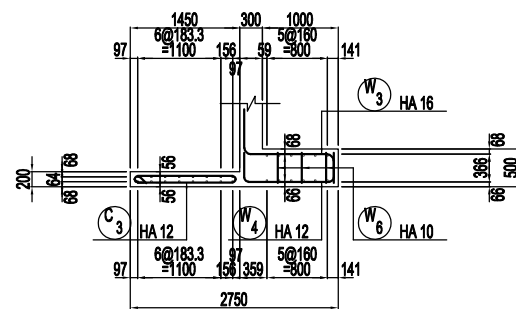
A1 E=1:50, A3 E=1:100 / A1 S=1:50, A3 S=1:100



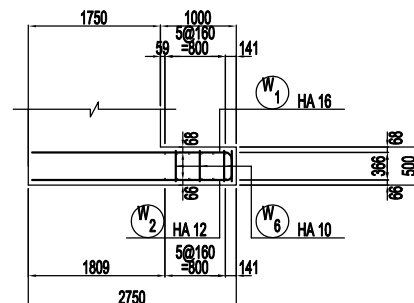
COUPE 6-6



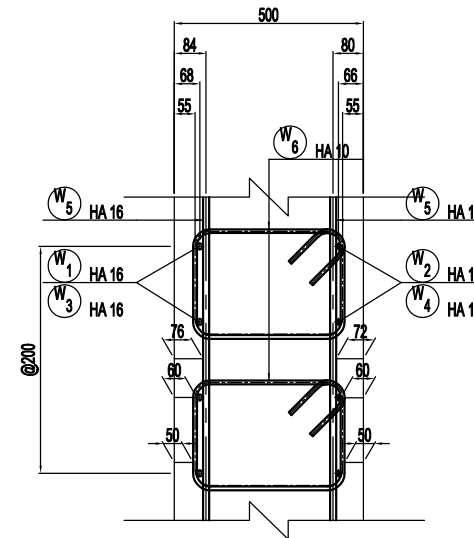
COUPE 7-7



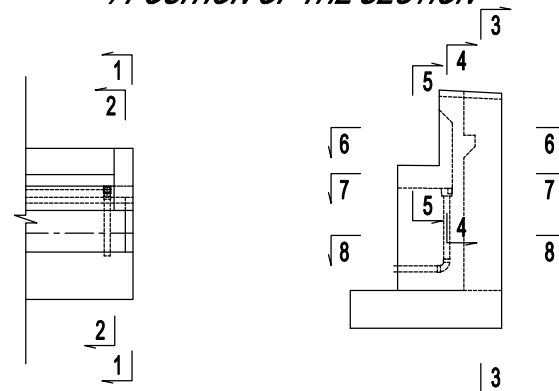
COUPE 8-8



DETAIL "e" / DETAIL "e"
A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



POSITION DE LA SECTION
/ POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



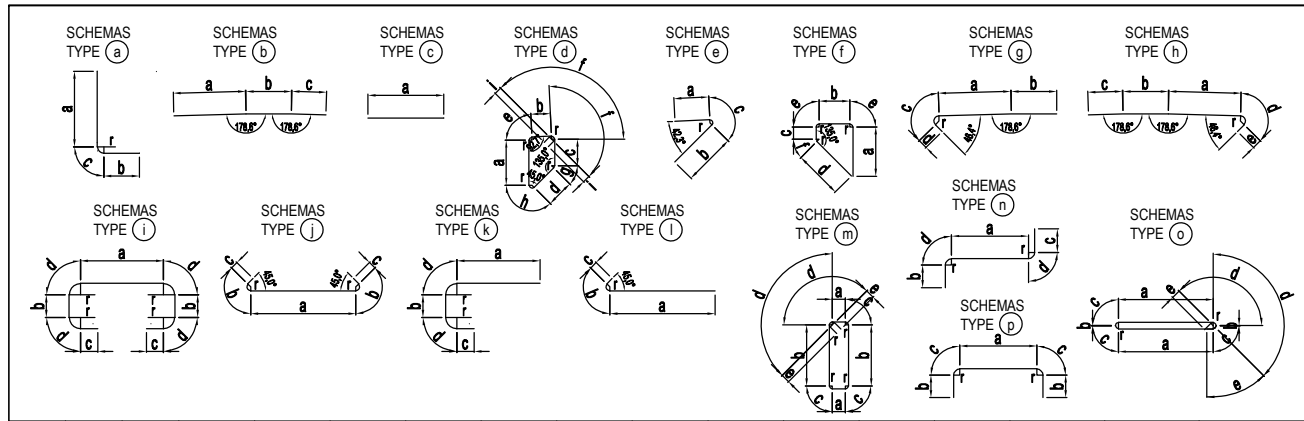
ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
CULEE C2 - FERRAILLAGE (5)
ABUTMENT C2 - BAR ARRANGEMENT (5)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT
Format	A3	Fichier / File:				
Émetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-031	A	



NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	h (m)	i (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
P 1	HA	20	(a)	3.46	0.09	0.17	—	—	—	—	—	—	0.120	3.72	216	803.52
P 2	HA	20	(a)	3.46	0.07	0.18	—	—	—	—	—	—	0.120	3.72	216	803.52
P 3	HA	10	(d)	0.60	0.26	0.35	0.37	0.06	0.10	0.03	0.09	0.10	0.045	2.16	216	466.56
P 4	HA	10	(e)	0.46	0.70	0.10	—	—	—	—	—	—	0.045	1.26	216	272.16
P 5a	HA	10	(a)	11.82	0.09	0.09	—	—	—	—	—	—	0.060	12.00	23	276.00
P 5b	HA	10	(a)	10.06	0.09	0.09	—	—	—	—	—	—	0.060	10.24	23	235.52
P 6a	HA	10	(a)	11.82	0.09	0.09	—	—	—	—	—	—	0.060	12.00	24	288.00
P 6b	HA	10	(a)	10.06	0.09	0.09	—	—	—	—	—	—	0.060	10.24	24	245.76
P 7a	HA	10	(b)	10.44	0.60	0.96	—	—	—	—	—	—	—	12.00	3	36.00
P 7b	HA	10	(c)	9.99	—	—	—	—	—	—	—	—	—	9.99	3	29.97
P 8a	HA	10	(c)	9.00	—	—	—	—	—	—	—	—	—	9.00	3	27.00
P 8b	HA	10	(c)	7.05 ~6.35	—	—	—	—	—	—	—	—	—	6.20	3	18.60
P 9	HA	10	(c)	8.04 ~6.35	—	—	—	—	—	—	—	—	—	7.20	2	14.40
U 1a	HA	25	(h)	9.81	0.60	1.02	0.32	0.25	—	—	—	—	0.150	12.00	3	36.00
U 1b	HA	25	(g)	9.81	0.23	0.32	0.25	—	—	—	—	—	0.150	10.61	3	31.83
U 2a	HA	10	(b)	9.95	0.60	1.45	—	—	—	—	—	—	—	12.00	2	24.00
U 2b	HA	10	(c)	9.01	—	—	—	—	—	—	—	—	—	9.01	2	18.02
U 3	HA	12	(f)	0.65	0.41	0.16	0.65	0.06	0.03	—	—	—	0.047	2.02	103	208.06
U 4	ADX	20	(c)	0.50	—	—	—	—	—	—	—	—	—	0.50	40	20.00
A 1a	HA	32	(c)	8.50	—	—	—	—	—	—	—	—	—	8.50	7	59.50
A 1b	HA	32	(i)	6.29	0.39	0.32	—	—	—	—	—	—	0.182	7.00	7	49.00
A 1c	HA	32	(l)	9.45	0.39	0.32	—	—	—	—	—	—	0.182	10.16	7	71.12
A 2	HA	16	(p)	1.44	0.80	0.13	—	—	—	—	—	—	0.091	3.30	106	349.80
A 3	HA	25	(a)	3.91	0.38	0.22	—	—	—	—	—	—	0.150	4.51	216	974.16
A 4a	HA	14	(c)	12.00	—	—	—	—	—	—	—	—	—	12.00	44	528.00
A 4b	HA	14	(c)	10.08	—	—	—	—	—	—	—	—	—	10.08	44	443.52
A 5	HA	12	(p)	1.53	0.60	0.09	—	—	—	—	—	—	0.062	2.91	44	128.04
A 6	HA	12	(a)	4.02	0.18	0.09	—	—	—	—	—	—	0.062	4.29	14	60.06
A 7	HA	12	(m)	0.40	1.56	0.06	0.10	0.12	—	—	—	—	0.047	4.54	297	1348.38
A 8	HA	16	(c)	1.00	—	—	—	—	—	—	—	—	—	1.00	16	16.00
S 1	HA	14	(j)	2.82	0.19	0.14	—	—	—	—	—	—	0.089	3.48	20	69.60
S 2	HA	14	(j)	0.77	0.19	0.14	—	—	—	—	—	—	0.089	1.43	60	85.80
D 1	HA	10	(p)	0.41	0.84	0.06	—	—	—	—	—	—	0.045	2.21	10	22.10
D 2	HA	10	(m)	0.45	0.45	0.06	0.09	0.10	—	—	—	—	0.045	2.36	5	11.80
D 3	HA	10	(m)	0.05	0.45	0.06	0.09	0.10	—	—	—	—	0.045	1.56	16	24.96
D 4	HA	10	(p)	0.37	0.86	0.06	—	—	—	—	—	—	0.045	2.21	10	22.10
D 5	HA	10	(m)	0.41	0.41	0.06	0.09	0.10	—	—	—	—	0.045	2.20	5	11.00
D 6	HA	10	(m)	0.05	0.41	0.06	0.09	0.10	—	—	—	—	0.045	1.48	16	23.68

* La dimension radiale indique l'extérieur de la barre.

NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	h (m)	i (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
F 1	HA	20	(j)	3.66	0.26	0.20	—	—	—	—	—	—	0.120	4.58	224	1025.92
F 2a	HA	16	(l)	11.47	0.20	0.16	—	—	—	—	—	—	0.091	11.83	37	437.71
F 2b	HA	16	(l)	11.64	0.20	0.16	—	—	—	—	—	—	0.091	12.00	37	444.00
F 3	HA	16	(i)	3.72	0.72	0.80	0.13	—	—	—	—	—	0.091	7.28	224	1630.72
F 4a	HA	16	(k)	6.96	0.68	0.80	0.13	—	—	—	—	—	0.091	8.90	37	329.30
F 4b	HA	16	(k)	4.96	0.68	0.80	0.13	—	—	—	—	—	0.091	6.90	37	255.30
F 4c	HA	16	(c)	12.00	—	—	—	—	—	—	—	—	—	12.00	37	444.00
F 5	HA	12	(m)	0.17	0.81	0.06	0.10	0.12	—	—	—	—	0.047	2.58	675	1741.50
F 6a	HA	12	(c)	8.50	—	—	—	—	—	—	—	—	—	8.50	16	136.00
F 6b	HA	12	(k)	4.31	3.75	2.82	0.09	—	—	—	—	—	0.062	11.06	8	88.48
W 1	HA	16	(a)	2.56	0.30	0.13	—	—	—	—	—	—	0.091	2.99	32	95.68
W 2	HA	12	(a)	2.59	0.33	0.09	—	—	—	—	—	—	0.062	3.01	32	96.32
W 3	HA	16	(n)	1.02	0.30	0.51	0.13	—	—	—	—	—	0.091	2.09	26	54.34
W 4	HA	12	(k)	0.33	1.08	0.32	0.09	—	—	—	—	—	0.062	1.91	26	49.66
W 5	HA	16	(m)	0.17	5.58	0.13	0.20	0.16	—	—	—	—	0.091	12.61	12	151.32
W 6	HA	10	(m)	0.20	0.31	0.06	0.10	0.10	—	—	—	—	0.045	1.60	84	134.40
C 1	HA	12	(c)	2.60	—	—	—	—	—	—	—	—	—	2.60	8	20.80
C 2	HA	12	(c)	1.20	—	—	—	—	—	—	—	—	—	1.20	24	28.80
C 3	HA	12	(o)	1.26	0.01	0.06	0.10	0.12	—	—	—	—	0.047	3.16	6	18.96
C 4	HA	12	(o)	0.16	0.01	0.06	0.10	0.12	—	—	—	—	0.047	0.96	12	11.52

HA	10	12	14	16	20	25	32	
POIDS (kg/m)	0.617	0.888	1.208	1.578	2.466	3.854	6.315	
LONG (m)	2202.03	3936.58	1126.92	4208.17	2632.96	1041.99	179.62	TOTAL
POIDS (kg)	1358.65	3495.68	1361.32	6640.49	6492.88	4015.83	1133.94	24498.79
ADX	10	12	14	16	20	25	32	
POIDS (kg/m)	0.617	0.888	1.208	1.578	2.466	3.854	6.315	
LONG (m)	—	—	—	—	20.00	—	—	TOTAL
POIDS (kg)	—	—	—	—	49.32	—	—	49.32

TOTAL POUR C2 / TOTAL FOR C2
POIDS TOTAL (kg) : 24548.11

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN

REPUBLICQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier

AGENCE DE GESTION DES ROUTES

AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS GLOBAL CO., LTD.

INGÉROSEC CORPORATION

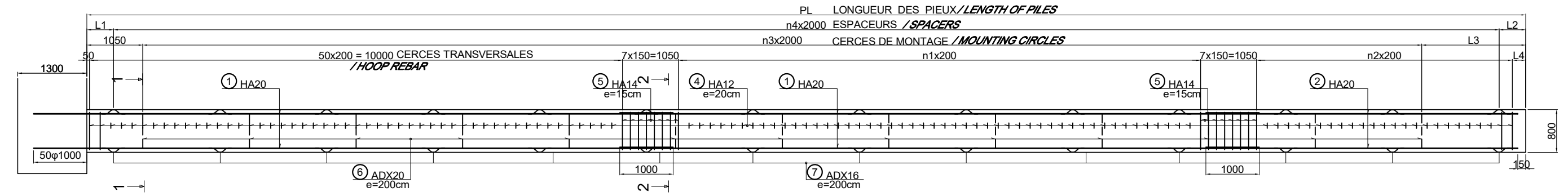
PALMERAIE
CULEE C2 - FERRAILLAGE (6)
ABUTMENT C2 - BAR ARRANGEMENT (6)

Indice	Date	Préparé par	Vérifié par	Approuvé par	Description	Statut
Index	Date	Prepared by	Checked by	Approved by	Description	Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

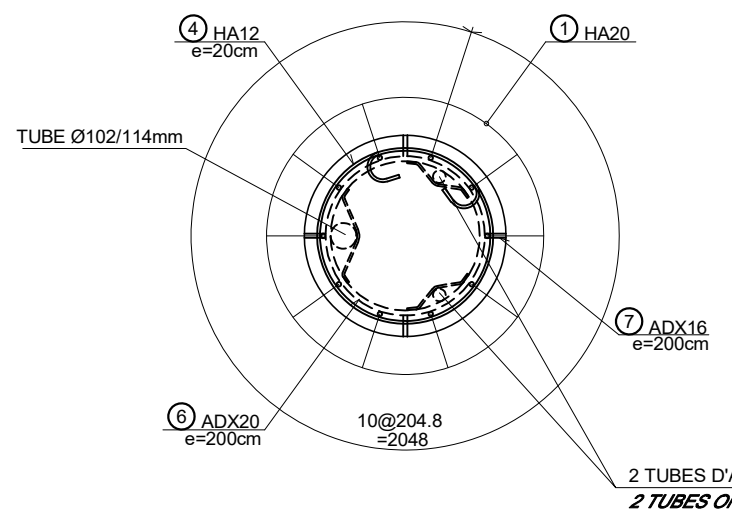
Format : A3 Fichier/ File :

Emetteur	Localisation	Type d'ouvrage -Activité	Type de document	N°	Indice
Issuer	Location	Type of structure -Activity	Type of document	No.	Index
OCC, ISEC	BFM	PONT	DESSINS	H-PA-FE-032	A

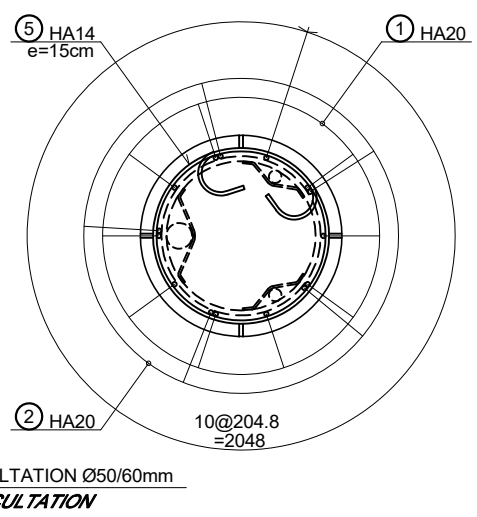
COUPE ELEVATION / SIDE VIEW A1 E=1:40, A3 E=1:80 / A1 S=1:40, A3 S=1:80



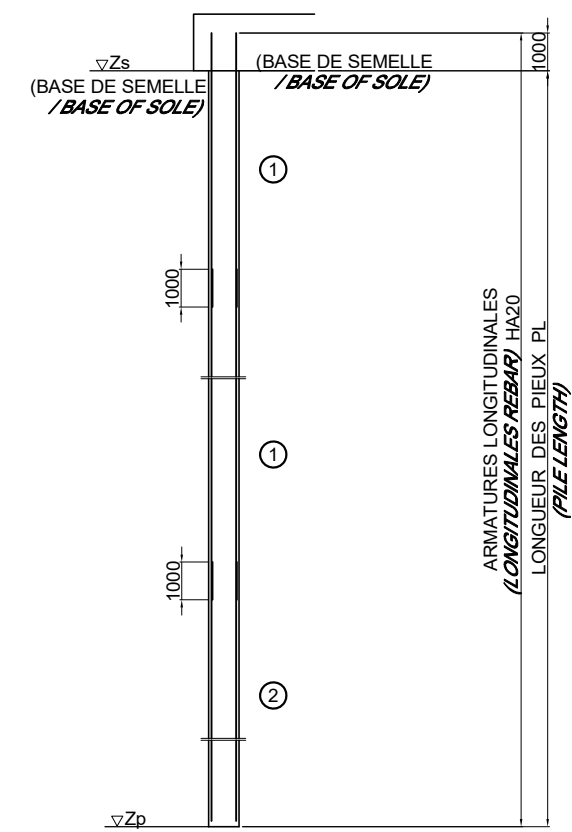
COUPE 1 - 1 A1 E=1:15, A3 E=1:30 / A1 S=1:15, A3 S=1:30



COUPE 2 - 2



VUE GENERALE / GENERAL VIEW A1 E=1:100, A3 E=1:200 / A1 S=1:100, A3 S=1:200



DETAIL D'AUSCULTATION / DETAIL OF AUSCULTATION

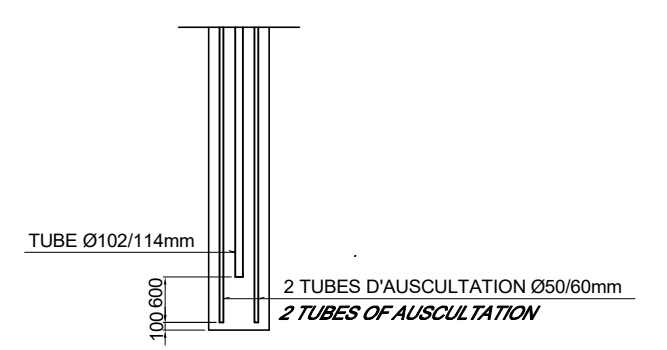


TABLEAU DE NIVELLEMENT PIEUX / TABLE OF LEVELING PILES

	P1	P2	P3	P4	P5
Zs	+21.956	+23.145	+24.668	+25.844	+25.780
Zp	-1.344	-4.155	-3.632	-0.456	-0.220
PL (mm)	22000	26000	27000	25000	26000
L1 (mm)	750	750	500	500	750
L2 (mm)	1250	1250	500	500	1250
L3 (mm)	950	950	1950	1950	950
L4 (mm)	300	250	250	250	250
n1	—	49	49	49	49
n2	53	19	24	14	19
n3	10	12	12	11	12
n4	10	12	13	12	12

QUANTITE D'ARMATURES POUR UN PIEU (L=22m) / QUANTITY OF REBARS FOR A PILE

NO	TYPE	SIZE	NOMBRE	ESP.	LONG. UNIT (mm)	SCHEMA (m)	LONG. TOTALE (m)
①	HA	20	10	1	10	12.00	120.00
②	HA	20	10	1	10	11.85	118.50
③	HA	12	103	1	103	3.05	314.15
④	HA	14	8	1	8	3.24	25.92
⑤	ADX	20	11	1	11	2.92	32.12
⑥	ADX	16	4	11	44	0.49	21.56

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865
LONG. (m)	—	—	—	314.15	25.92	—	—	—	—	—
POIDS (kg)	—	—	—	278.97	31.31	—	—	—	—	—
TOTAL	—	—	—	278.97	31.31	—	—	—	—	—

TOTAL POUR P1 (12PIEUX) / TOTAL FOR P1 (12PILES)
POIDS TOTAL (kg): 12139.80 VOLUME DE BETON (m3): 132.70 W = 91.48 kg/m3

QUANTITE D'ARMATURES POUR UN PIEU (L=26m) / QUANTITY OF REBARS FOR A PILE

NO	TYPE	SIZE	NOMBRE	ESP.	LONG. UNIT (mm)	SCHEMA (m)	LONG. TOTALE (m)
①	HA	20	10	2	20	12.00	240.00
②	HA	20	10	1	10	4.85	48.50
③	HA	12	117	1	117	3.05	356.85
④	HA	14	16	1	16	3.24	51.84
⑤	ADX	20	13	1	13	2.92	37.96
⑥	ADX	16	4	13	52	0.49	25.48

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865
LONG. (m)	—	—	—	372.10	51.84	—	—	—	—	—
POIDS (kg)	—	—	—	316.88	62.62	—	—	—	—	—
TOTAL	—	—	—	316.88	62.62	—	—	—	—	—

TOTAL POUR P2 (12PIEUX) / TOTAL FOR P2 (12PILES)
POIDS TOTAL (kg): 14697.12 VOLUME DE BETON (m3): 156.75 W = 93.76 kg/m3

QUANTITE D'ARMATURES POUR UN PIEU (L=27m) / QUANTITY OF REBARS FOR A PILE

NO	TYPE	SIZE	NOMBRE	ESP.	LONG. UNIT (mm)	SCHEMA (m)	LONG. TOTALE (m)
①	HA	20	10	2	20	12.00	240.00
②	HA	20	10	1	10	5.85	58.50
③	HA	12	122	1	122	3.05	372.10
④	HA	14	16	1	16	3.24	51.84
⑤	ADX	20	13	1	13	2.92	37.96
⑥	ADX	16	4	14	56	0.49	31.32

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865
LONG. (m)	—	—	—	372.10	51.84	—	—	—	—	—
POIDS (kg)	—	—	—	330.42	62.62	—	—	—	—	—
TOTAL	—	—	—	330.42	62.62	—	—	—	—	—

TOTAL POUR P3 (15PIEUX) / TOTAL FOR P3 (15PILES)
POIDS TOTAL (kg): 19083.60 VOLUME DE BETON (m3): 203.58 W = 93.74 kg/m3

QUANTITE D'ARMATURES POUR UN PIEU (L=26m) / QUANTITY OF REBARS FOR A PILE

NO	TYPE	SIZE	NOMBRE	ESP.	LONG. UNIT (mm)	SCHEMA (m)	LONG. TOTALE (m)
①	HA	20	10	2	20	12.00	240.00
②	HA	20	10	1	10	3.85	38.50
③	HA	12	112	1	112	3.05	341.60
④	HA	14	16	1	16	3.24	51.84
⑤	ADX	20	13	1	13	2.92	37.96
⑥	ADX	16	4	13	52	0.49	25.48

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865
LONG. (m)	—	—	—	341.60	51.84	—	—	—	—	—
POIDS (kg)	—	—	—	303.34	62.62	—	—	—	—	—
TOTAL	—	—	—	303.34	62.62	—	—	—	—	—

TOTAL POUR P4 (15PIEUX) / TOTAL FOR P4 (15PILES)
POIDS TOTAL (kg): 17798.40 VOLUME DE BETON (m3): 188.50 W = 94.42 kg/m3

TOTAL POUR P5 (15PIEUX) / TOTAL FOR P5 (15PILES)

POIDS TOTAL (kg): 18371.40 VOLUME DE BETON (m3): 195.94 W = 93.76 kg/m3

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN

REPUBLICHE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier

AGENCE DE GESTION DES ROUTES

AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE / JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS GLOBAL CO., LTD.

INGÉROSEC CORPORATION

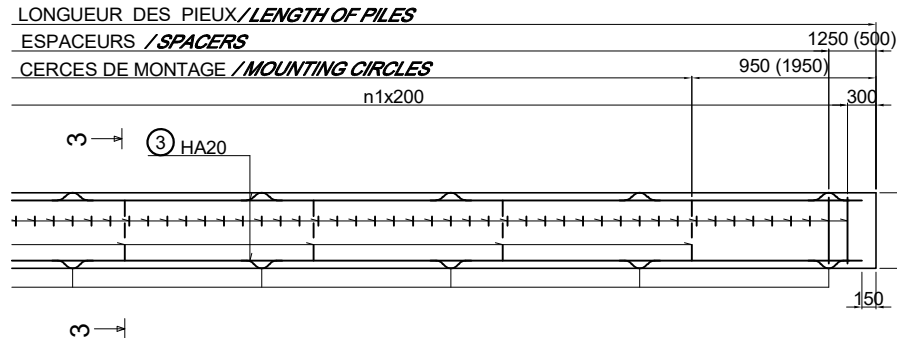
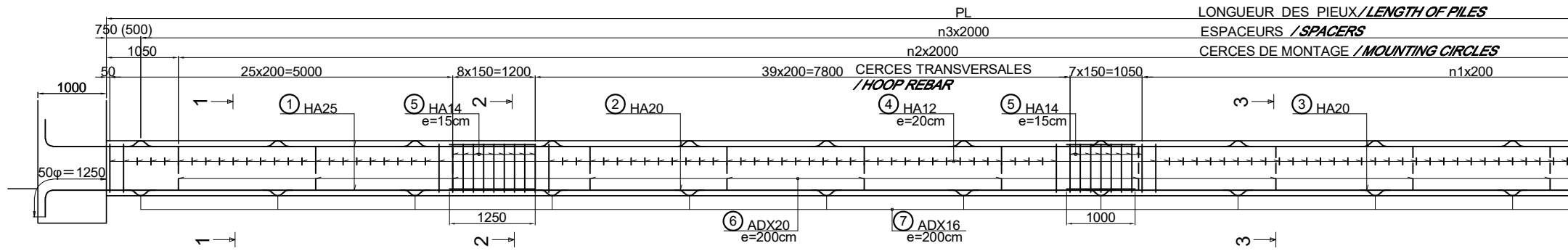
PALMERAIE
PILE PIEUX - FERRAILLAGE
PIER PILE - BAR ARRANGEMENT

Indice	Date	Préparé par	Vérifié par	Approuvé par	Description	Statut
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier/ File:
Emetteur	Localisation	Type d'ouvrage - Activité
OCG, ISEC	BFM	PONT
		Type de document
		DESSINS
		N°
		H-PA-FE-033
		Indice
		A

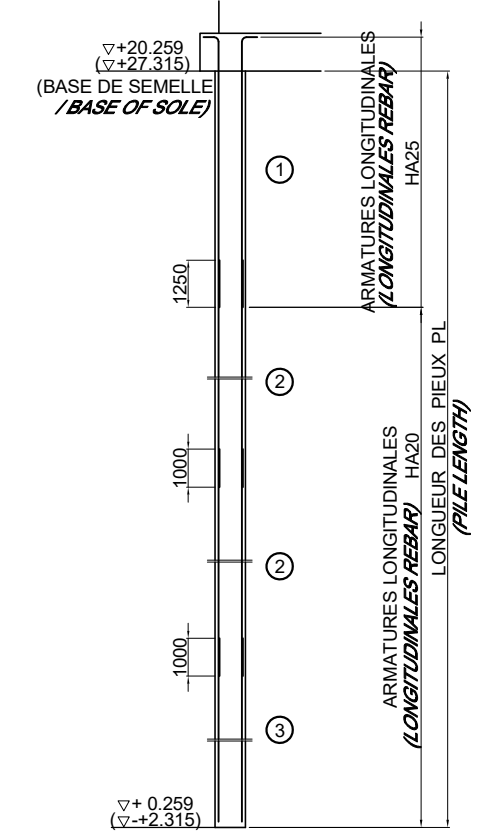
COUPE ELEVATION / SIDE VIEW

A1 E=1:40, A3 E=1:80
/ A1 S=1:40, A3 S=1:80



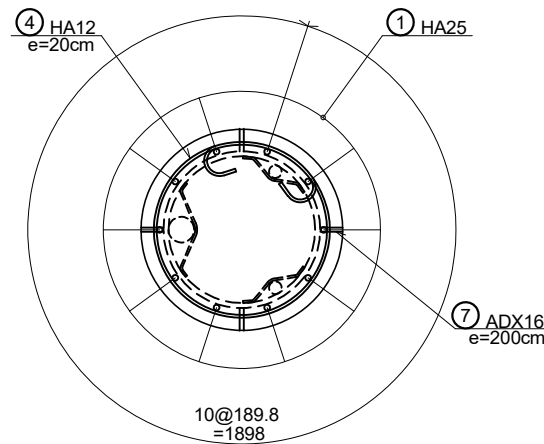
VUE GENERALE / GENERAL VIEW

A1 E=1:100, A3 E=1:200
/ A1 S=1:100, A3 S=1:200



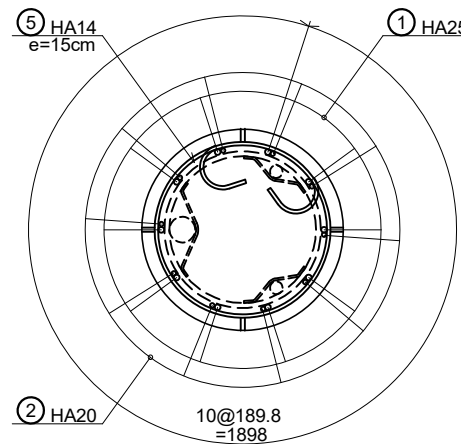
Entre parenthèses nombres pour C2.
In parentheses numbers for C2.

COUPE 1 - 1



A1 E=1:15, A3 E=1:30 / A1 S=1:15, A3 S=1:30

COUPE 2 - 2



COUPE 3 - 3

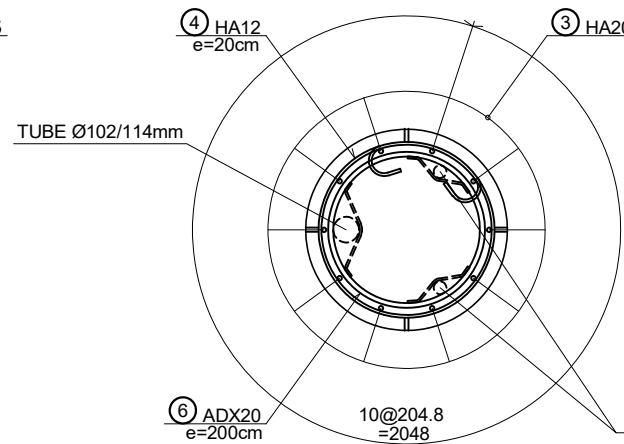


TABLEAU DE NIVELLEMENT PIEUX
/ TABLE OF LEVELING PILES

PL (mm)	C1	C2
n1	23	48
n2	9	11
n3	9	12

QUANTITE D'ARMATURES POUR UN PIEU (L=20m)
/ QUANTITY OF REBARS FOR A PILE

NO	TYPE	SIZE	NOMBRE		ESP	LONG UNITAIRE(m)	SCHEMA(m)	LONG TOTALE(m)
			PAR ELEM	TOTAL				
①	HA	25	10	10		7.50	7.50	75.00
②	HA	20	10	10		10.00	10.00	100.00
③	HA	20	10	10		5.85	5.85	58.50
④	HA	12	86	1 86		3.05	3.05	262.30
⑤	HA	14	17	1 17		3.24	3.24	55.08
⑥	ADX	20	10	1 10		2.89	2.89	28.90
⑦	ADX	16	4	10 40		0.49	0.49	19.60

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865
LONG. (m)	—	—	—	262.30	55.08	—	158.50	75.00	—	TOTAL
POIDS (kg)	—	—	—	232.92	66.54	—	390.86	289.05	—	979.37
ADX	6	8	10	12	14	16	20	25	32	40
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865
LONG. (m)	—	—	—	—	—	—	19.60	28.90	—	TOTAL
POIDS (kg)	—	—	—	—	—	—	30.93	71.27	—	102.20

TOTAL POUR C1 (18PIEUX) / TOTAL FOR C1 (18PILES)

POIDS TOTAL(kg):	19468.26	VOLUME DE BETON (m3):	180.86	W =	107.64 kg/m3
------------------	----------	-----------------------	--------	-----	--------------

QUANTITE D'ARMATURES POUR UN PIEU (L=25m)
/ QUANTITY OF REBARS FOR A PILE

NO	TYPE	SIZE	NOMBRE		ESP	LONG UNITAIRE(m)	SCHEMA(m)	LONG TOTALE(m)
			PAR ELEM	TOTAL				
①	HA	25	10	10		7.50	7.50	75.00
②	HA	20	10	10		10.00	10.00	100.00
③	HA	20	10	10		10.85	10.85	108.50
④	HA	12	111	1 111		3.05	3.05	338.55
⑤	HA	14	17	1 17		3.24	3.24	55.08
⑥	ADX	20	12	1 12		2.89	2.89	34.68
⑦	ADX	16	4	13 52		0.49	0.49	25.48

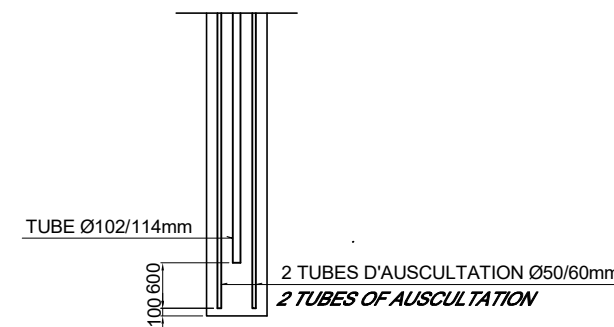
RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865
LONG. (m)	—	—	—	338.55	55.08	—	208.50	75.00	—	TOTAL
POIDS (kg)	—	—	—	300.63	66.54	—	514.16	289.05	—	1170.38
ADX	6	8	10	12	14	16	20	25	32	40
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865
LONG. (m)	—	—	—	—	—	—	25.48	34.68	—	TOTAL
POIDS (kg)	—	—	—	—	—	—	40.21	85.52	—	125.73

TOTAL POUR C2 (18PIEUX) / TOTAL FOR C2 (18PILES)

POIDS TOTAL(kg):	23329.98	VOLUME DE BETON (m3):	226.19	W =	103.14 kg/m3
------------------	----------	-----------------------	--------	-----	--------------

DETAIL D'AUSCULTATION
/ DETAIL OF AUSCULTATION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN

REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier

AGENCE DE GESTION DES ROUTES

JICA AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY

OC GLOBAL ORIENTAL CONSULTANTS GLOBAL CO., LTD.

INGÉROSEC INGÉROSEC CORPORATION

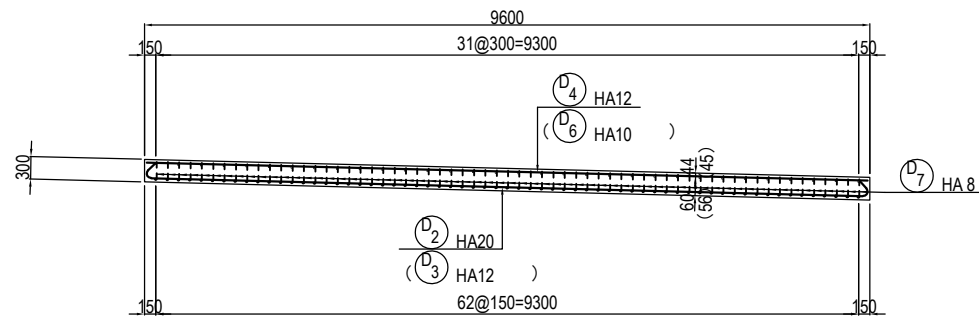
PALMERAIE
CULEE PIEUX - FERRAILLAGE
ABUTMENT PILE - BAR ARRANGEMENT

Indice	Date	Préparé par	Vérifié par	Approuvé par	Description	Statut
Anchor	Date	Preparer	Check	Approval	Description	Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier File:			
Emetteur	Localisation	Type d'ouvrage -Activité	Type de document	N°	Indice
Anchor	Location	Type of structure -Activity	Type of document	No.	Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-034	A

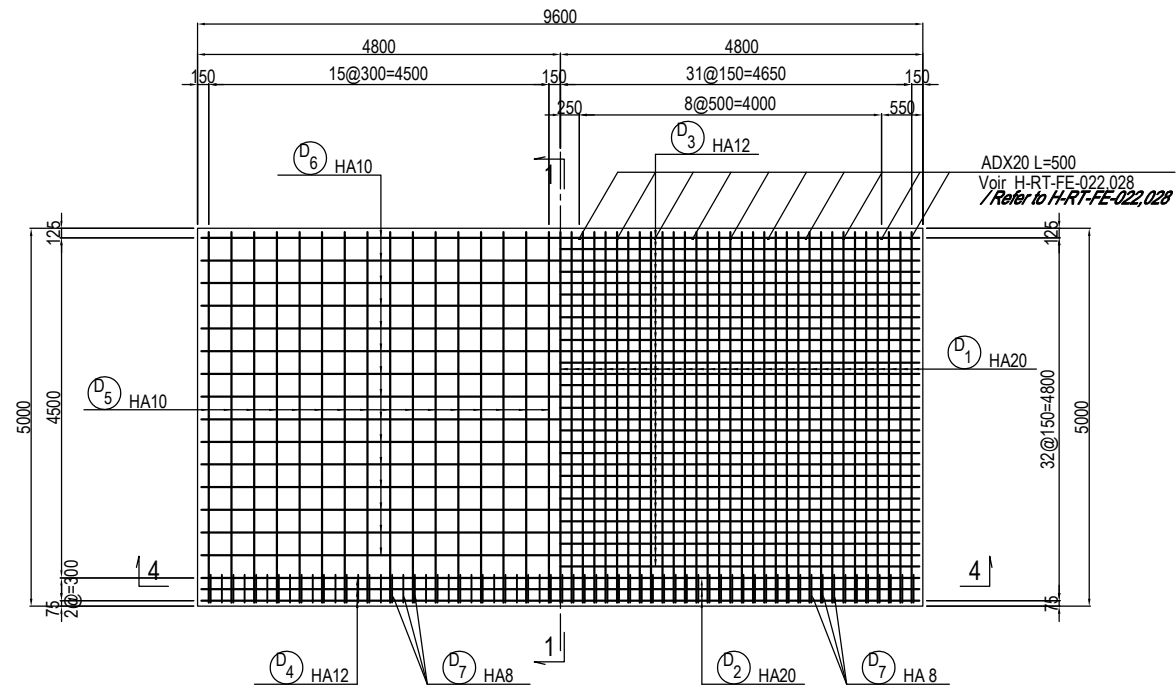
A1 E=1:50, A3 E=1:100 / A1 S=1:50, A3 S=1:100

COUPE 1 - 1

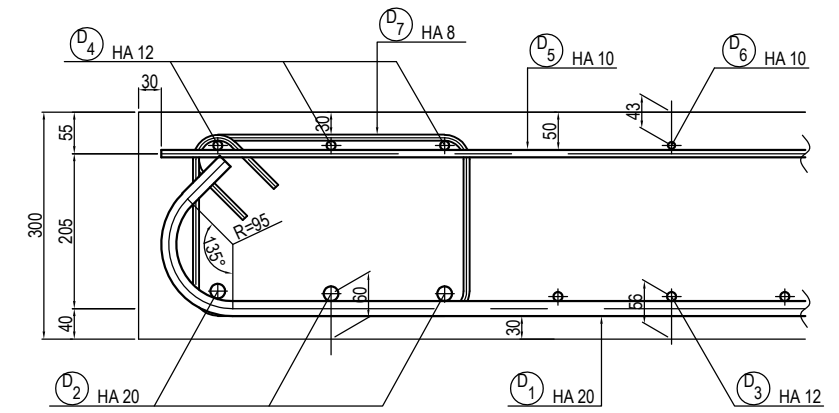


COUPE 2 - 2

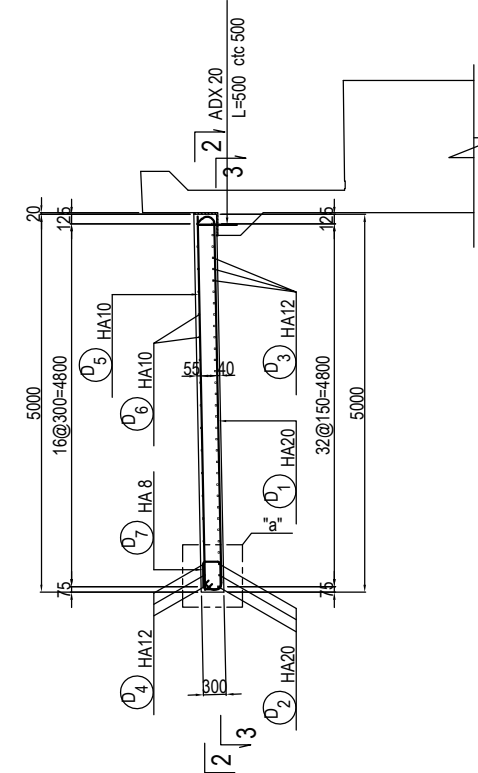
COUPE 3 - 3



DETAIL "a" / DETAIL "a"
A1 E=1:5, A3 E=1:10
A1 S=1:5, A3 S=1:10



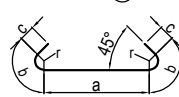
COUPE 4 - 4



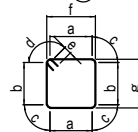
SCHEMAS TYPE (a)



SCHEMAS TYPE (b)



SCHEMAS TYPE (c)



QUANTITE D'ARMATURES POUR UN DALLE DE TRANSITION / QUANTITY OF REBARS FOR A APPROACH SLAB

NO	ACJER	DIAMETRE	SCHEMAS TYPE	a (m)	b (m)	C (m)	d (m)	e (m)	f (m)	g (m)	r (m)	LONG(m)	NOMBRE	LONG.TOTALE (m)
D 1	HA	20	(b)	4.75	0.20	0.07	—	—	—	—	0.095	5.29	63	333.27
D 2	HA	20	(b)	9.35	0.20	0.07	—	—	—	—	0.095	9.89	3	29.67
D 3	HA	12	(b)	9.42	0.13	0.12	—	—	—	—	0.062	9.92	30	297.60
D 4	HA	12	(a)	9.54	—	—	—	—	—	—	—	9.54	3	28.62
D 5	HA	10	(a)	4.94	—	—	—	—	—	—	—	4.94	32	158.08
D 6	HA	10	(a)	9.54	—	—	—	—	—	—	—	9.54	15	143.10
D 7	HA	8	(f)	0.30	0.17	0.05	0.07	0.08	0.36	0.23	0.033	1.39	63	87.57

* La dimension radiale indique l'extérieur de la barre.

RECAOIUTATIF ACIERS / SUMMARY STEELS

HA	8	10	12	14	16	20	25	
POIDS (kg/m)	0.395	0.617	0.888	1.208	1.578	2.466	3.854	
LONG (m)	87.57	301.18	326.22	—	—	362.94	—	TOTAL
POIDS (kg)	34.59	185.83	289.68	—	—	895.01	—	1 405.11

TOTAL POUR C1 / TOTAL FOR C1

POIDS TOTAL(kg): 2810.22

TOTAL POUR C2 / TOTAL FOR C2

POIDS TOTAL(kg): 2810.22

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



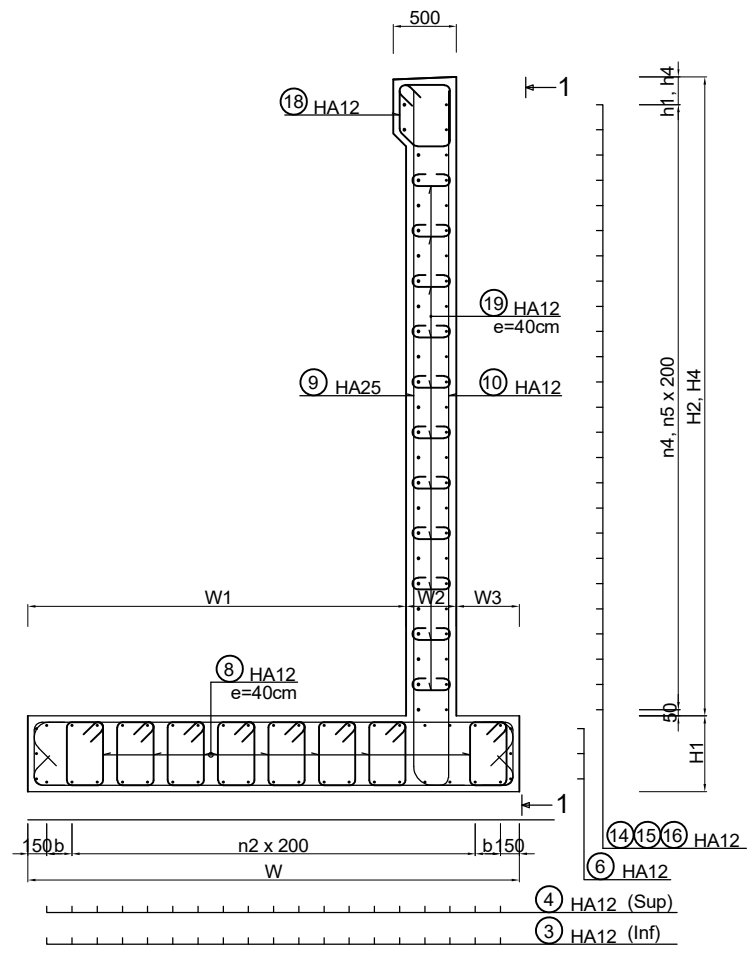
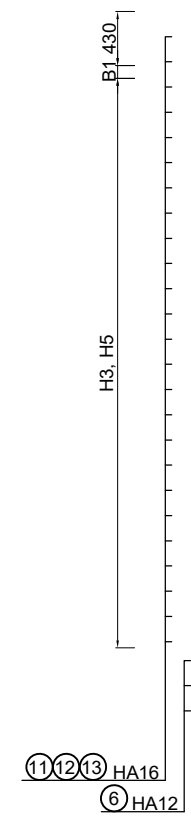
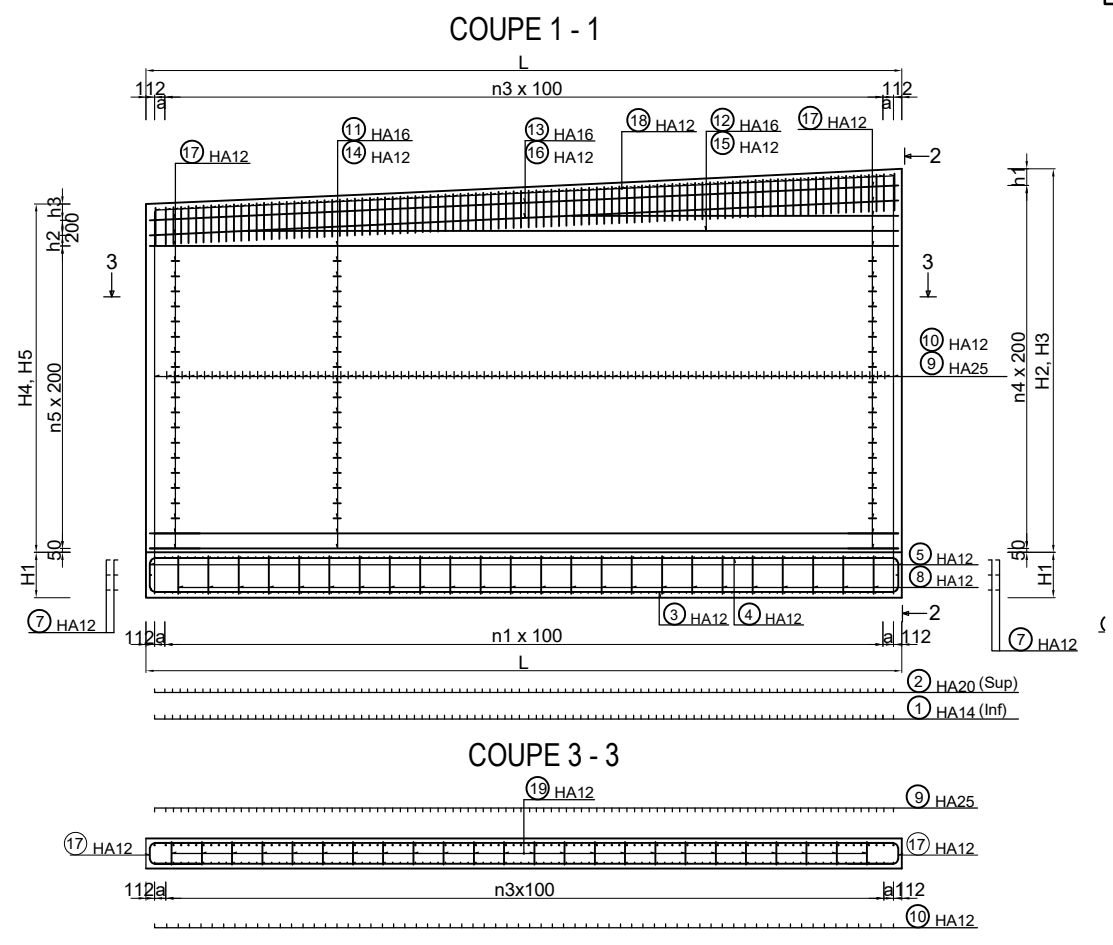
INGÉROSEC CORPORATION

PALMERAIE
DALLE DE TRANSITION - FERRAILLAGE
APPROACH SLAB - BAR ARRANGEMENT

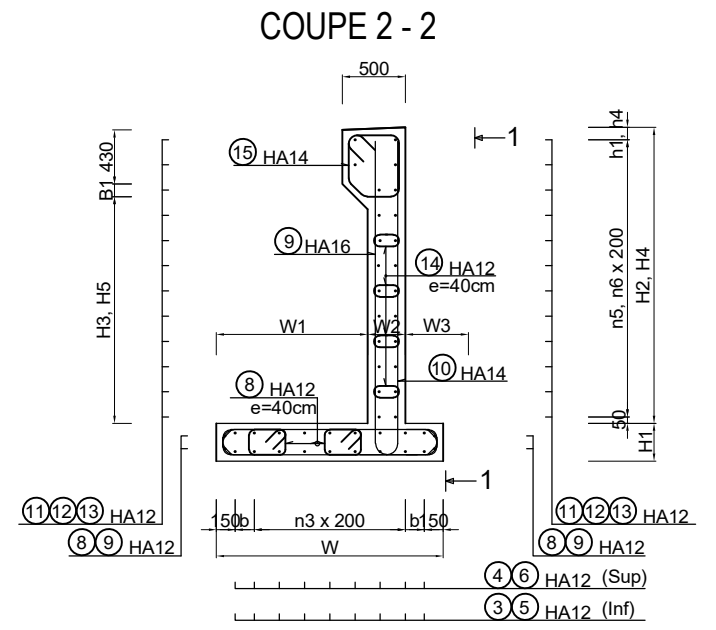
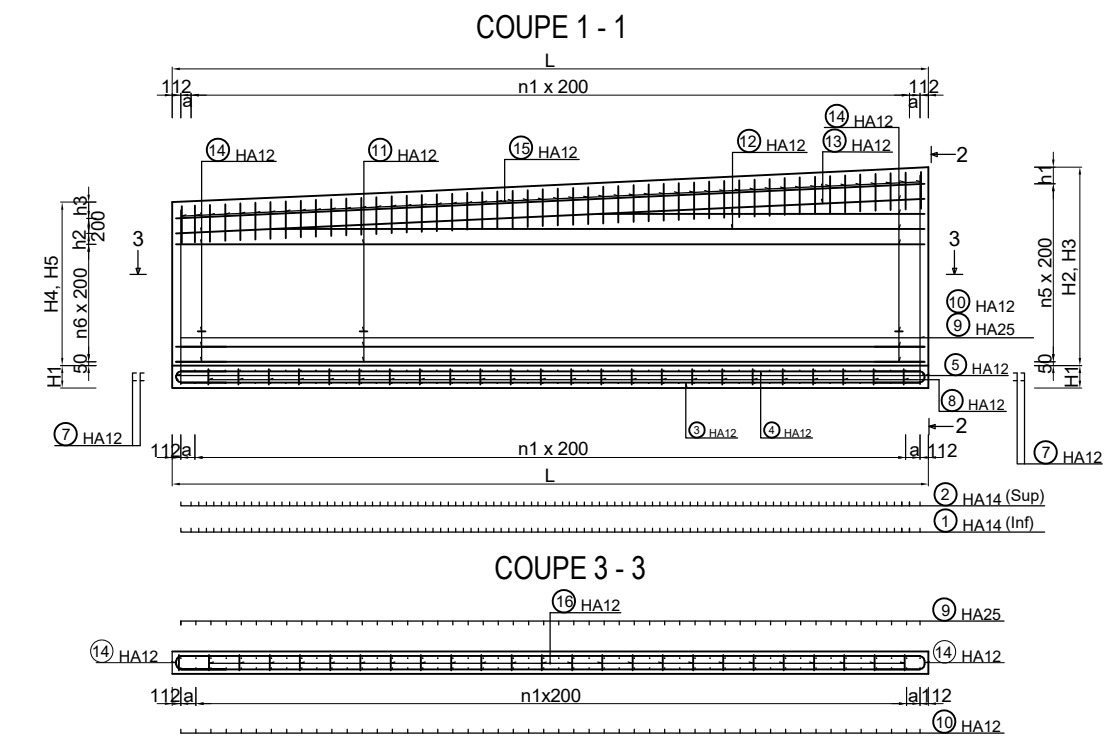
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier/ File:
Emetteur / Issuer	Localisation / Location	Type d'ouvrage -Activité / Type of structure -Activity
OCG, ISEC	BFM	PONT
		Type de document / Type of document
		DESSINS
		N° / No.
		H-PA-FE-035
		Indice / Index
		A

TYPE 1



TYPE 2



	M1										
	TYPE 1					TYPE 2					
	PLOT1	PLOT2	PLOT3	PLOT4	PLOT5	PLOT6	PLOT7	PLOT8	PLOT9	PLOT10	PLOT11
L	10000	10000	10000	10000	10000	10000	10000	10000	10000	7500	7500
H1	700	600	500	500	400	350	300	300	300	300	300
H2	5324	5014	4704	4393	3983	3573	3262	2952	2642	2332	2022
H3	4774	4364	4054	3703	3313	2883	2423	1974	1562	1214	970
H4	4724	4414	4103	3753	3363	2933	2474	2072	1724	1540	1331
H5	4274	3764	3453	3103	2713	2283	1824	1422	1074	890	681
B1	100	200	200	200	200	200	200	200	200	200	200
W	4300	3600	3200	3000	2600	2300	2100	1900	1700	1500	1500
W1	3400	2800	2400	2200	1800	1600	1500	1300	1100	900	900
W2	400	300	300	300	300	300	300	300	300	300	300
W3	500	500	500	500	500	400	300	300	300	300	300
n1	95	95	95	95	95	95	95	47	47	35	35
n2	20	15	13	12	10	10	9	8	7	6	6
n3	95	95	95	95	95	95	95	47	47	35	35
n4	25	24	22	21	19	16	14	12	10	8	7
n5	21	20	17	17	15	12	10	8	6	5	4
h1	273	164	254	103	113	283	223	174	162	214	170
h2	0	0	109	0	0	1	48	112	76	111	111
h3	273	164	254	103	113	283	223	174	162	214	170
a	138	138	138	138	138	138	138	188	188	138	138
b	0	150	150	150	150	0	0	0	0	0	0

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN

REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier

AGENCE DE GESTION DES ROUTES

JICA AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY

OC GLOBAL ORIENTAL CONSULTANTS GLOBAL CO., LTD.
INGÉROSEC INGÉROSEC CORPORATION

PALMERAIE
MUR DE SOUTÈNEMENT M1 - FERRAILLAGE (1)
RETAINING WALL M1 - BAR ARRANGEMENT (1)

Indice	Date	Préparé par	Vérifié par	Approuvé par	Description	Statut
Index	Date	Prepared by	Checked by	Approved by	Description	Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier/ File:			
Émetteur	Localisation	Type d'ouvrage -Activité	Type de document	N°	Indice
Author	Location	Type of structure -Activity	Type of document	No.	Index
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-036	A

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ELEMENT	TOTAL				
PLOTS								
①	HA	14	98	1	98	4.66		456.68
②	HA	20	98	1	98	4.88		478.24
③	HA	12	21	1	21	9.56		200.76
④	HA	12	21	1	21	9.56		200.76
⑤	HA	12	42	1	42	1.82		76.44
⑥	HA	12	6	1	6	9.56		57.36
⑦	HA	12	12	1	12	5.43		65.16
⑧	HA	12	9	24	216	2.08		449.28
⑨	HA	25	98	1	98	5.97		585.06
⑩	HA	12	98	1	98	5.80		568.40
⑪	HA	16	22	1	22	9.78		215.16
⑫	HA	16	2	1	2	6.40		12.80
⑬	HA	16	2	1	2	9.79		19.58
⑭	HA	12	22	1	22	9.78		215.16
⑮	HA	12	2	1	2	6.40		12.80
⑯	HA	12	2	1	2	9.79		19.58
⑰	HA	12	50	1	50	1.49		74.50
⑱	HA	12	98	1	98	1.95		191.10
⑲	HA	12	12	24	288	0.58		167.04

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	2298.34	456.68	247.54	478.24	585.06	—	—	TOTAL
POIDS (kg)	—	—	—	2040.93	551.67	390.62	1179.34	2254.82	—	—	6417.38

TOTAL POUR M1 / TOTAL FOR M1

POIDS TOTAL(kg): 38935.55

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ELEMENT	TOTAL				
PLOT2								
①	HA	14	98	1	98	3.96		388.08
②	HA	20	98	1	98	4.18		409.64
③	HA	12	18	1	18	9.56		172.08
④	HA	12	18	1	18	9.56		172.08
⑤	HA	12	36	1	36	1.72		61.92
⑥	HA	12	6	1	6	9.56		57.36
⑦	HA	12	12	1	12	4.73		56.76
⑧	HA	12	8	24	192	1.88		360.96
⑨	HA	25	98	1	98	5.56		544.88
⑩	HA	12	98	1	98	5.49		538.02
⑪	HA	16	21	1	21	9.78		205.38
⑫	HA	16	2	1	2	6.40		12.80
⑬	HA	16	2	1	2	9.79		19.58
⑭	HA	12	21	1	21	9.78		205.38
⑮	HA	12	2	1	2	6.40		12.80
⑯	HA	12	2	1	2	9.79		19.58
⑰	HA	12	48	1	48	1.39		66.72
⑱	HA	12	98	1	98	1.95		191.10
⑲	HA	12	11	24	264	0.48		126.72

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	2041.48	388.08	237.76	409.64	544.88	—	—	TOTAL
POIDS (kg)	—	—	—	1812.83	468.80	375.19	1010.17	2099.97	—	—	5766.96

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ELEMENT	TOTAL				
PLOTS								
①	HA	14	98	1	98	3.56		348.88
②	HA	20	98	1	98	3.78		370.44
③	HA	12	16	1	16	9.56		152.96
④	HA	12	16	1	16	9.56		152.96
⑤	HA	12	32	1	32	1.62		51.84
⑥	HA	12	6	1	6	9.56		57.36
⑦	HA	12	12	1	12	4.33		51.96
⑧	HA	12	7	24	168	1.68		282.24
⑨	HA	25	98	1	98	5.25		514.50
⑩	HA	12	98	1	98	5.18		507.64
⑪	HA	16	18	1	18	9.78		176.04
⑫	HA	16	2	1	2	6.40		12.80
⑬	HA	16	2	1	2	9.79		19.58
⑭	HA	12	18	1	18	9.78		176.04
⑮	HA	12	2	1	2	6.40		12.80
⑯	HA	12	2	1	2	9.79		19.58
⑰	HA	12	44	1	44	1.39		61.16
⑱	HA	12	98	1	98	1.95		191.10
⑲	HA	12	10	24	240	0.48		115.20

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	1832.84	348.88	208.42	370.44	514.50	—	—	TOTAL
POIDS (kg)	—	—	—	1627.56	421.45	328.89	913.51	1982.88	—	—	5274.29

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ELEMENT	TOTAL				
PLOT4								
①	HA	14	98	1	98	3.36		329.28
②	HA	20	98	1	98	3.58		350.84
③	HA	12	15	1	15	9.56		143.40
④	HA	12	15	1	15	9.56		143.40
⑤	HA	12	30	1	30	1.62		48.60
⑥	HA	12	6	1	6	9.56		57.36
⑦	HA	12	12	1	12	4.13		49.56
⑧	HA	12	6	24	144	1.68		241.92
⑨	HA	25	98	1	98	4.90		480.20
⑩	HA	12	98	1	98	4.83		473.34
⑪	HA	16	18	1	18	9.78		176.04
⑫	HA	16	2	1	2	6.40		12.80
⑬	HA	16	2	1	2	9.79		19.58
⑭	HA	12	18	1	18	9.78		176.04
⑮	HA	12	2	1	2	6.40		12.80
⑯	HA	12	2	1	2	9.79		19.58
⑰	HA	12	42	1	42	1.39		58.38
⑱	HA	12	98	1	98	1.95		191.10
⑲	HA	12	9	24	216	0.48		103.68

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	1719.16	329.28	208.42	350.84	480.20	—	—	TOTAL
POIDS (kg)	—	—	—	1526.61	397.77	328.89	865.17	1850.69	—	—	4969.13

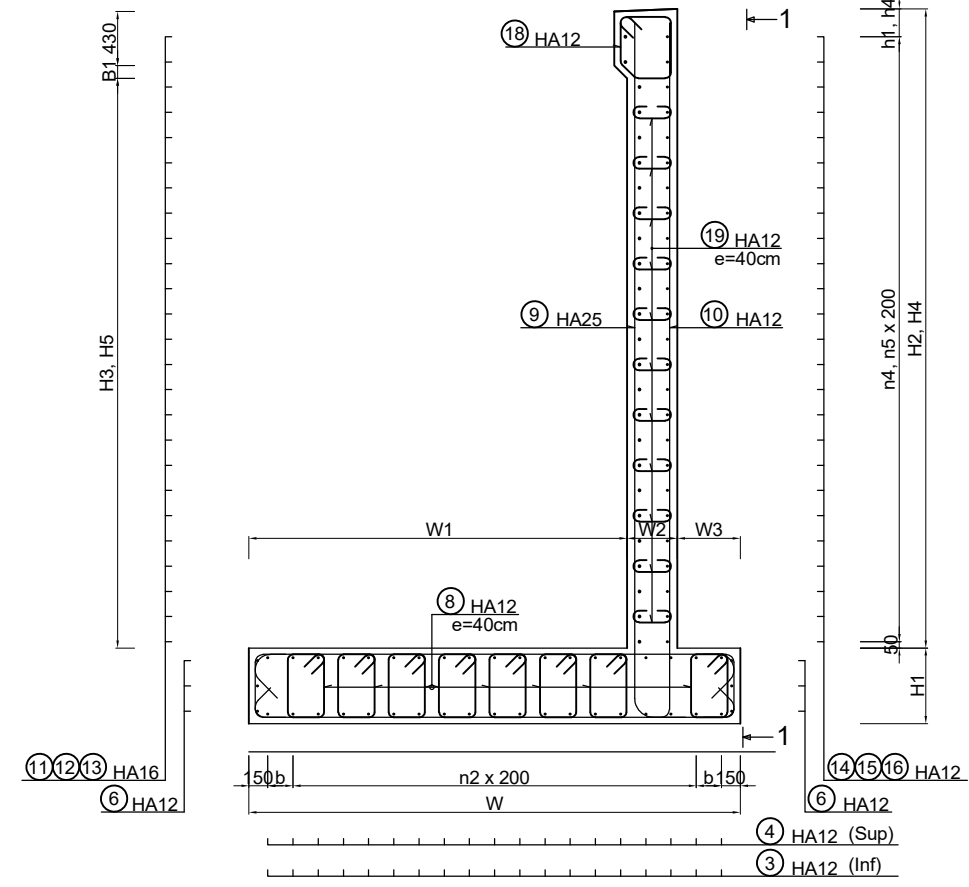
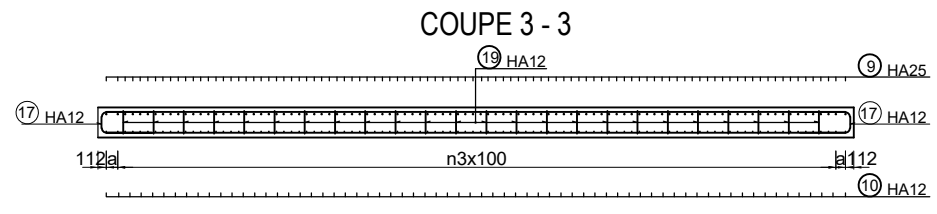
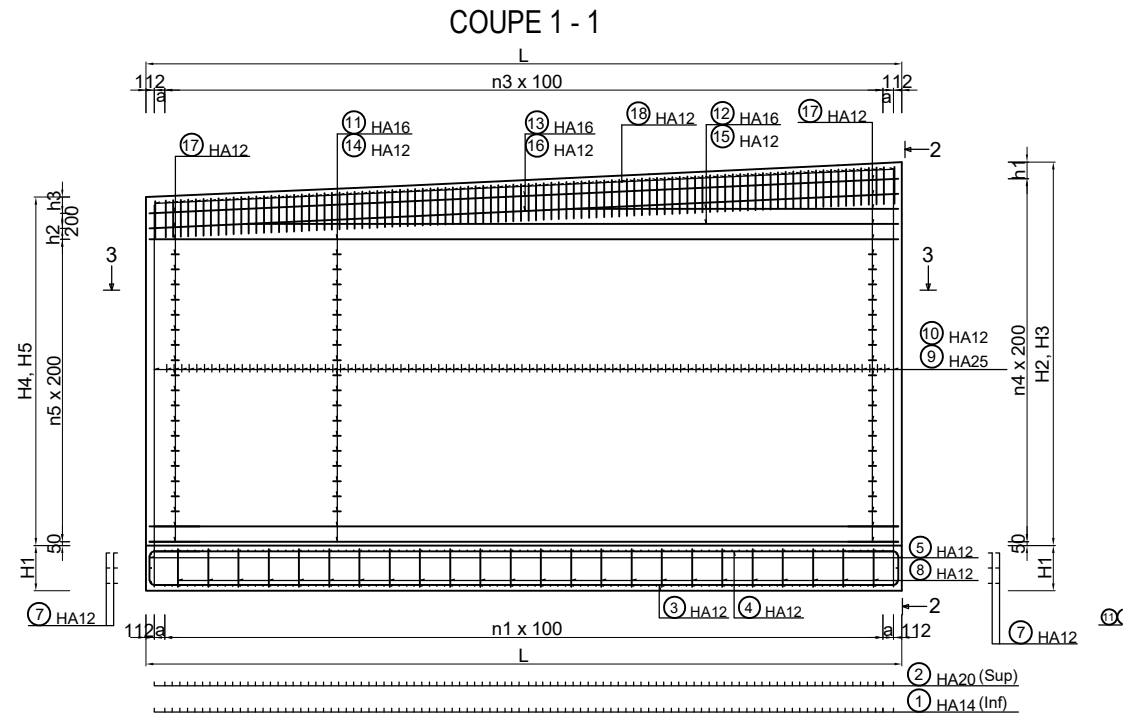
QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ELEMENT	TOTAL				
PLOTS								
①	HA	14	98	1	98	2.96		290.08
②	HA	20	98	1	98	3.18		311.64
③	HA	12	13	1	13	9.56		124.28
④	HA	12	13	1	13	9.56		124.28
⑤	HA	12	26	1	26	1.52		39.52
⑥	HA	12	6	1	6	9.56		57.36
⑦	HA	12	12	1	12	3.73		49.56
⑧	HA	12	5	24	120	1.48		177.60
⑨	HA	25	98	1	98	4.51		441.98
⑩	HA	12	98	1	98	4.44		435.12
⑪	HA	16	16	1	16	9.78		156.48
⑫	HA	16	2	1	2	6.40		12.80
⑬	HA	16	2	1	2	9.79		19.58
⑭	HA	12	16	1	16	9.78		156.48
⑮	HA	12	2	1	2	6.40		12.80
⑯	HA	12	2	1	2	9.79		19.58
⑰	HA	12	38	1	38	1.39		52.82
⑱	HA	12	98	1	98	1.95		191.10
⑲	HA	12	8	24	192	0.48		92.16

RECAPITULATIF ACIERS / SUMMARY STEELS

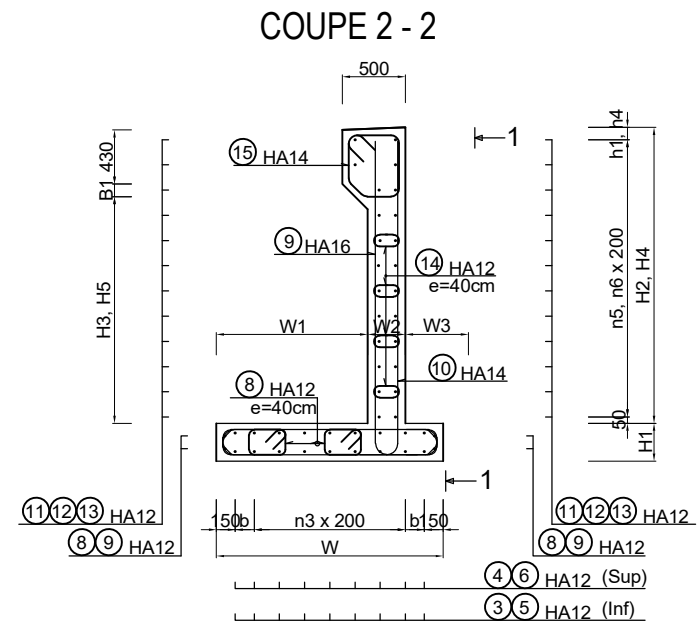
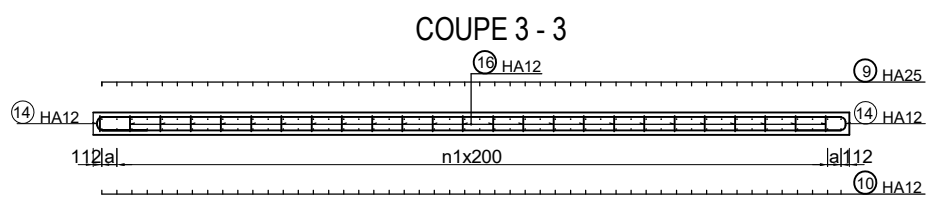
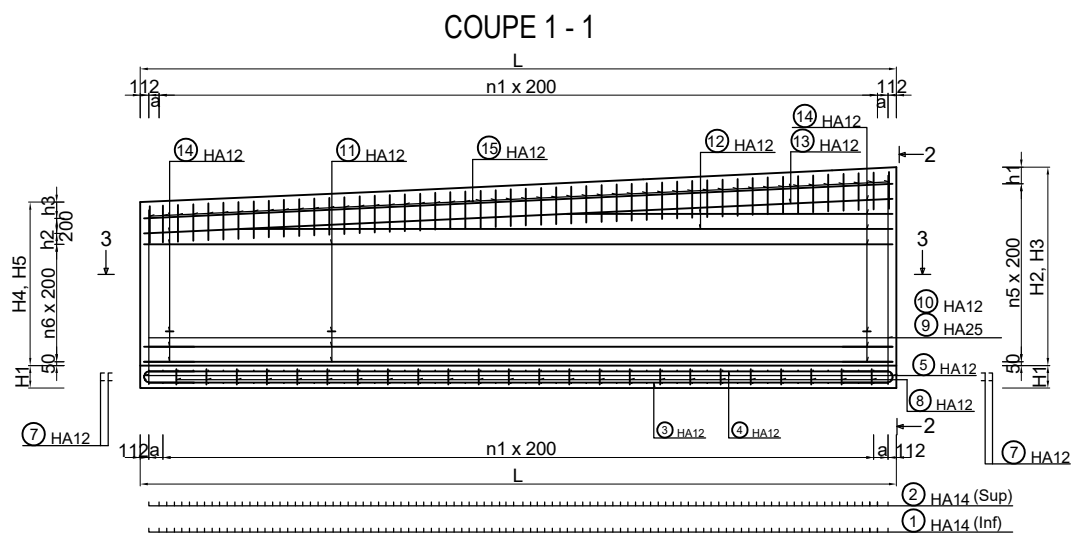
HA	6	8	10	12	14	16	20	25	32	40	
----	---	---	----	----	----	----	----	----	----	----	--

TYPE 1



	M2									
	TYPE 1					TYPE 2				
	PLOT1	PLOT2	PLOT3	PLOT4	PLOT5	PLOT6	PLOT7	PLOT8	PLOT9	PLOT10
L	10000	10000	10000	10000	10000	10000	10000	10000	10000	12000
H1	700	600	500	500	400	350	300	300	300	300
H2	5424	5004	4584	4164	3743	3323	2903	2484	2112	1854
H3	4874	4354	3934	3514	3093	2673	2253	1834	1462	1204
H4	4824	4404	3984	3563	3143	2723	2304	1932	1624	1352
H5	4374	3754	3334	2913	2493	2073	1654	1982	974	702
B1	100	200	200	200	200	200	200	200	200	200
W	4300	3600	3200	3000	2600	2300	2100	1900	1700	1500
W1	3400	2800	2400	2200	1800	1600	1500	1300	1100	900
W2	400	300	300	300	300	300	300	300	300	300
W3	500	500	500	300	300	300	300	300	300	300
n1	95	95	95	95	95	95	47	47	47	57
n2	20	15	13	12	10	10	9	8	7	6
n3	95	95	95	95	95	95	47	47	47	57
n4	26	24	22	20	17	15	13	11	9	8
n5	22	20	18	15	13	11	9	7	5	4
h1	174	154	134	114	293	273	253	234	262	204
h2	0	0	199	0	0	0	1	48	112	98
h3	174	154	134	114	293	273	253	234	262	204
a	138	138	138	138	138	188	188	188	188	188
b	0	150	150	150	150	0	0	0	0	0

TYPE 2



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN

REPUBLIQUE DE COTE D'IVOIRE
Ministère de l'Équipement et de l'Entretien Routier

AGENCE DE GESTION DES ROUTES

JICA AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY

OC GLOBAL ORIENTAL CONSULTANTS GLOBAL CO., LTD.
INGÉROSEC INGÉROSEC CORPORATION

PALMERAIE
MUR DE SOUTÈNEMENT M2 - FERRAILLAGE (1)
RETAINING WALL M2 - BAR ARRANGEMENT (1)

Indice	Date	Préparé par	Vérifié par	Approuvé par	Description	Statut
Index	Date	Prepared by	Checked by	Approved by	Description	Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier/ File:			
Emetteur	Localisation	Type d'ouvrage -Activité	Type de document	N°	Indice
Author	Location	Type of structure -Activity	Type of document	No.	Index
OCG,ISEC	BFM	PONT	DESSINS	H-PA-FE-038	A

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ÉLÉMENT	TOTAL				
PLOT1								
1	HA	14	98	1	98	4.66		456.68
2	HA	20	98	1	98	4.88		478.24
3	HA	12	21	1	21	9.56		200.76
4	HA	12	21	1	21	9.56		200.76
5	HA	12	42	1	42	1.82		76.44
6	HA	12	6	1	6	9.56		57.36
7	HA	12	12	1	12	5.43		65.16
8	HA	12	9	24	216	2.08		449.28
9	HA	25	98	1	98	5.97		585.06
10	HA	12	98	1	98	5.80		568.40
11	HA	16	22	1	22	9.78		215.16
12	HA	16	2	1	2	6.40		12.80
13	HA	16	2	1	2	9.79		19.58
14	HA	12	22	1	22	9.78		215.16
15	HA	12	2	1	2	6.40		12.80
16	HA	12	2	1	2	9.79		19.58
17	HA	12	50	1	50	1.49		74.50
18	HA	12	98	1	98	1.95		191.10
19	HA	12	12	24	288	0.58		167.04

* : LONGUEUR MOYENNE

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	2298.34	456.68	247.54	478.24	585.06	—	—	TOTAL
POIDS (kg)	—	—	—	2040.93	551.67	390.62	1179.34	2254.82	—	—	6417.38

TOTAL POUR M1 / TOTAL FOR M1

POIDS TOTAL(kg) : 38935.55

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ÉLÉMENT	TOTAL				
PLOT2								
1	HA	14	98	1	98	3.96		388.08
2	HA	20	98	1	98	4.18		409.64
3	HA	12	18	1	18	9.56		172.08
4	HA	12	18	1	18	9.56		172.08
5	HA	12	36	1	36	1.72		61.92
6	HA	12	6	1	6	9.56		57.36
7	HA	12	12	1	12	4.73		56.76
8	HA	12	8	24	192	1.88		360.96
9	HA	25	98	1	98	5.56		544.88
10	HA	12	98	1	98	5.49		538.02
11	HA	16	21	1	21	9.78		205.38
12	HA	16	2	1	2	6.40		12.80
13	HA	16	2	1	2	9.79		19.58
14	HA	12	21	1	21	9.78		205.38
15	HA	12	2	1	2	6.40		12.80
16	HA	12	2	1	2	9.79		19.58
17	HA	12	48	1	48	1.39		66.72
18	HA	12	98	1	98	1.95		191.10
19	HA	12	11	24	264	0.48		126.72

* : LONGUEUR MOYENNE

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	2041.48	388.08	237.76	409.64	544.88	—	—	TOTAL
POIDS (kg)	—	—	—	1812.83	468.80	375.19	1010.17	2099.97	—	—	5766.96

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ÉLÉMENT	TOTAL				
PLOT3								
1	HA	14	98	1	98	3.56		348.88
2	HA	20	98	1	98	3.78		370.44
3	HA	12	16	1	16	9.56		152.96
4	HA	12	16	1	16	9.56		152.96
5	HA	12	32	1	32	1.62		51.84
6	HA	12	6	1	6	9.56		57.36
7	HA	12	12	1	12	4.33		51.96
8	HA	12	7	24	168	1.68		282.24
9	HA	25	98	1	98	5.25		514.50
10	HA	12	98	1	98	5.18		507.64
11	HA	16	18	1	18	9.78		176.04
12	HA	16	2	1	2	6.40		12.80
13	HA	16	2	1	2	9.79		19.58
14	HA	12	18	1	18	9.78		176.04
15	HA	12	2	1	2	6.40		12.80
16	HA	12	2	1	2	9.79		19.58
17	HA	12	44	1	44	1.39		61.16
18	HA	12	98	1	98	1.95		191.10
19	HA	12	10	24	240	0.48		115.20

* : LONGUEUR MOYENNE

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	1832.84	348.88	208.42	370.44	514.50	—	—	TOTAL
POIDS (kg)	—	—	—	1627.56	421.45	328.89	913.51	1982.88	—	—	5274.29

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ÉLÉMENT	TOTAL				
PLOT4								
1	HA	14	98	1	98	3.36		329.28
2	HA	20	98	1	98	3.58		350.84
3	HA	12	15	1	15	9.56		143.40
4	HA	12	15	1	15	9.56		143.40
5	HA	12	30	1	30	1.62		48.60
6	HA	12	6	1	6	9.56		57.36
7	HA	12	12	1	12	4.13		49.56
8	HA	12	6	24	144	1.68		241.92
9	HA	25	98	1	98	4.90		480.20
10	HA	12	98	1	98	4.83		473.34
11	HA	16	18	1	18	9.78		176.04
12	HA	16	2	1	2	6.40		12.80
13	HA	16	2	1	2	9.79		19.58
14	HA	12	18	1	18	9.78		176.04
15	HA	12	2	1	2	6.40		12.80
16	HA	12	2	1	2	9.79		19.58
17	HA	12	42	1	42	1.39		58.38
18	HA	12	98	1	98	1.95		191.10
19	HA	12	9	24	216	0.48		103.68

* : LONGUEUR MOYENNE

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	1719.16	329.28	208.42	350.84	480.20	—	—	TOTAL
POIDS (kg)	—	—	—	1526.81	397.77	328.89	865.17	1850.69	—	—	4969.13

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ÉLÉMENT	TOTAL				
PLOTS								
1	HA	14	98	1	98	2.96		290.08
2	HA	20	98	1	98	3.18		311.64
3	HA	12	13	1	13	9.56		124.28
4	HA	12	13	1	13	9.56		124.28
5	HA	12	26	1	26	1.52		39.52
6	HA	12	6	1	6	9.56		57.36
7	HA	12	12	1	12	3.73		49.56
8	HA	12	5	24	120	1.48		177.60
9	HA	25	98	1	98	4.51		441.98
10	HA	12	98	1	98	4.44		435.12
11	HA	16	16	1	16	9.78		156.48
12	HA	16	2	1	2	6.40		12.80
13	HA	16	2	1	2	9.79		19.58
14	HA	12	16	1	16	9.78		156.48
15	HA	12	2	1	2	6.40		12.80
16	HA	12	2	1	2	9.79		19.58
17	HA	12	38	1	38	1.39		52.82
18	HA	12	98	1	98	1.95		191.10
19	HA	12	8	24	192	0.48		92.16

* : LONGUEUR MOYENNE

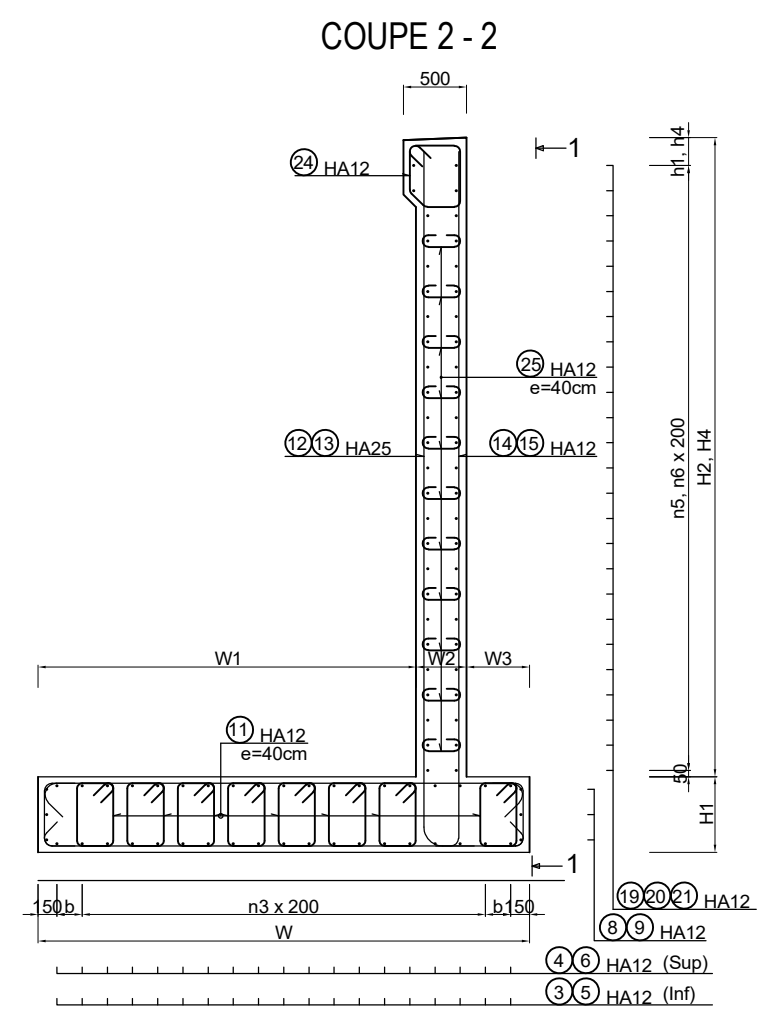
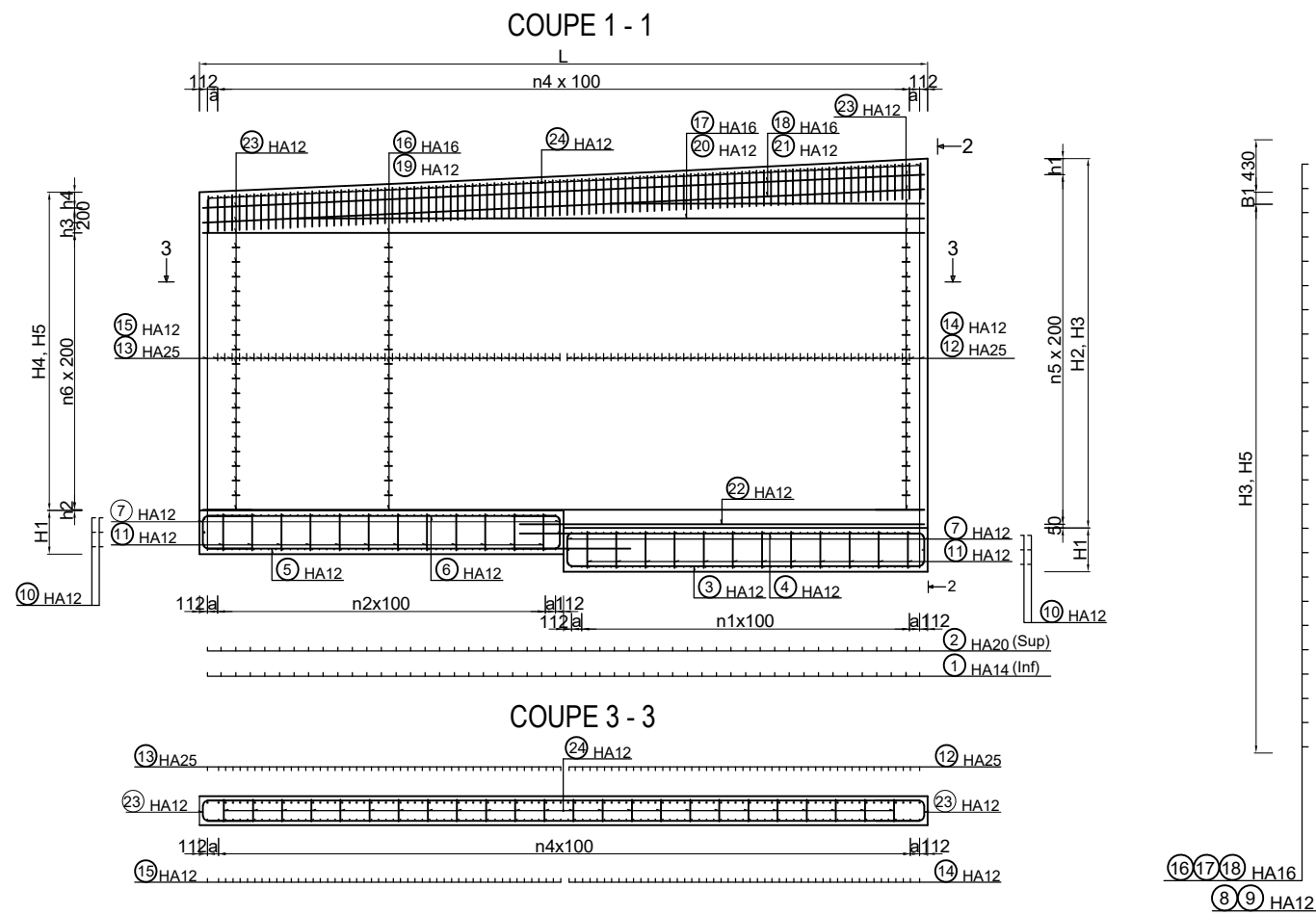
RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	1532.66	290.08	188.86	311.64	441.98	—	—	TOTAL
POIDS (kg)	—	—	—	1361.00	350.42	298.02	768.50	1703.35	—	—	4481.33

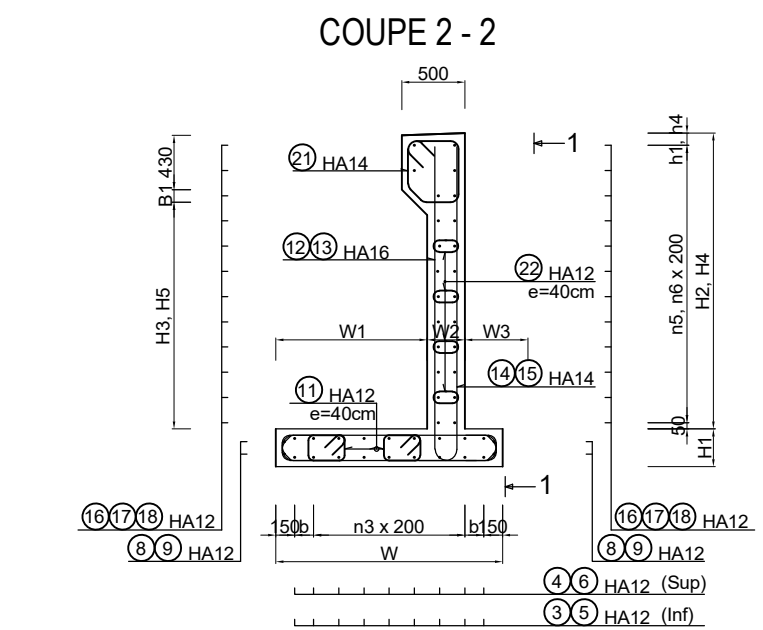
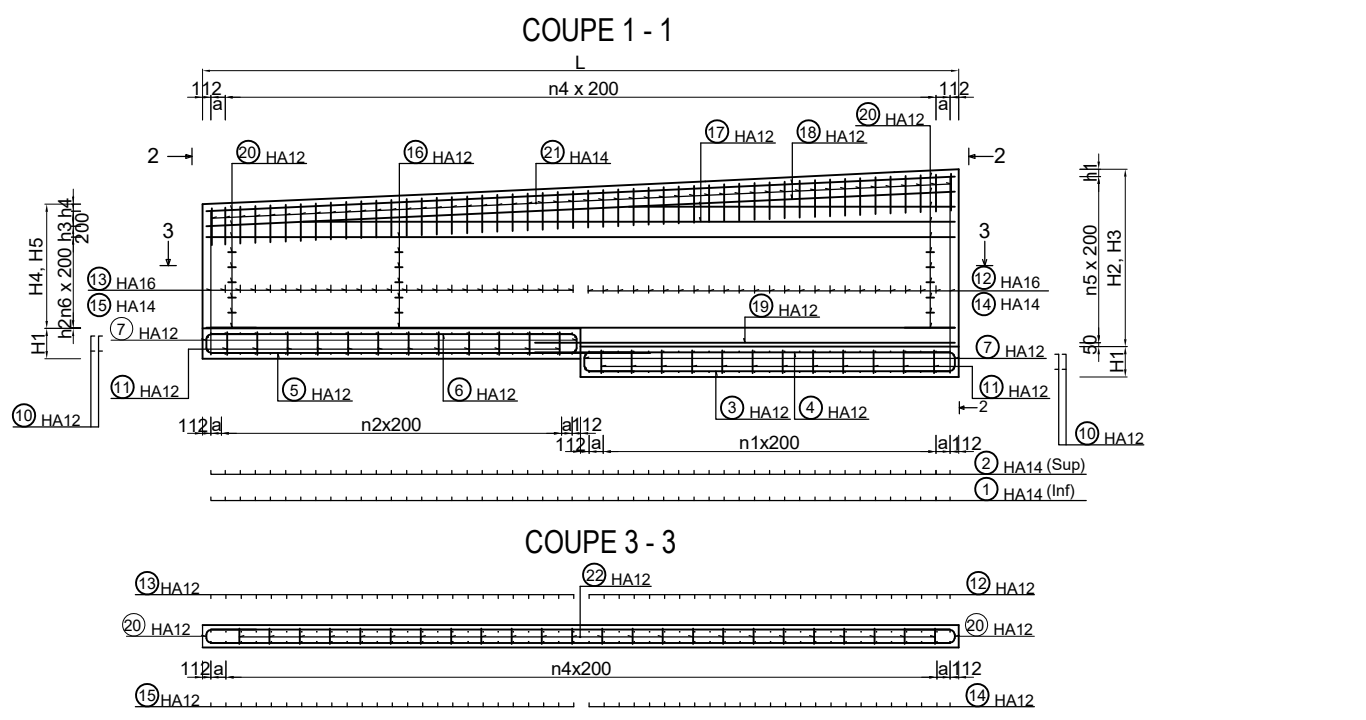
QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ÉLÉMENT	TOTAL				
PLOT5								
1	HA	14	98	1	98	2.66		260.68
2	HA	20	98	1	98	2.88		282.24
3	HA	12	13	1	13	9.56		105.16
4</								

TYPE 1



TYPE 2



	M3					
	TYPE 1			TYPE 2		
	PLOT1	PLOT2	PLOT3	PLOT4	PLOT5	PLOT6
L	10000	10000	10000	10000	10000	12000
H1	800	600	500	350	300	300
H2	5951	4995	4123	3266	2512	1922
H3	5401	4345	3473	2616	1862	1272
H4	5305	4283	3436	2682	2072	1585
H5	4755	3633	2786	2032	1422	935
B1	100	200	200	200	200	200
W	5900	3800	3100	2300	1900	1600
W1	4800	3000	2300	1500	1300	1000
W2	400	300	300	300	300	300
W3	700	500	500	500	300	300
n1	45	45	45	45	22	57
n2	45	45	45	45	22	57
n3	28	16	14	10	8	5
n4	63	63	63	63	47	57
n5	29	24	19	15	11	8
n6	24	19	14	11	7	5
h1	101	145	273	216	262	272
h2	90	80	90	80	100	100
h3	114	58	73	186	110	13
h4	101	145	273	216	262	272
a	138	138	138	138	188	188
b	0	150	0	0	0	150

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN



REPUBLIQUE DE COTE D'IVOIRE

Ministère de l'Équipement et de l'Entretien Routier



AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

PALMERAIE
MUR DE SOUTÈNEMENT M3 - FERRAILLAGE (1)
RETAINING WALL M3 - BAR ARRANGEMENT (1)

Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	A3	Fichier/ File :				
Émetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCG, ISEC	BFM	PONT	DESSINS	H-PA-FE-040	A	

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ELEMENT	TOTAL				
PLOT1								
1	HA	14	93	1	93	6.30		585.90
2	HA	20	93	1	93	6.47		601.71
3	HA	12	25	1	25	4.78		119.50
4	HA	12	25	1	25	5.49		137.25
5	HA	12	25	1	25	5.81		145.25
6	HA	12	25	1	25	4.78		119.50
7	HA	12	50	1	50	1.92		96.00
8	HA	12	6	1	6	4.78		28.68
9	HA	12	6	1	6	4.78		28.68
10	HA	12	12	1	12	7.03		84.36
11	HA	12	12	24	288	2.28		656.64
12	HA	25	49	1	49	6.58		322.42
13	HA	25	49	1	49	6.42		314.58
14	HA	12	49	1	49	6.42		314.58
15	HA	12	49	1	49	6.24		305.76
16	HA	16	25	1	25	9.78		244.50
17	HA	16	2	1	2	6.40		12.80
18	HA	16	2	1	2	9.79		19.58
19	HA	12	25	1	25	9.78		244.50
20	HA	12	2	1	2	6.40		12.80
21	HA	12	2	1	2	9.79		19.58
22	HA	12	2	1	2	5.49		10.98
23	HA	12	58	1	58	1.49		86.42
24	HA	12	98	1	98	1.95		191.10
25	HA	12	14	24	336	0.58		194.88

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	2796.46	585.90	276.88	601.71	637.00	—	—	TOTAL
POIDS (kg)	—	—	—	2483.26	707.77	436.92	483.82	2455.00	—	—	7466.77

TOTAL POUR M3 / TOTAL FOR M3

POIDS TOTAL(kg) : 24634.95

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ELEMENT	TOTAL				
PLOT2								
1	HA	14	93	1	93	4.19		389.67
2	HA	20	93	1	93	4.38		407.34
3	HA	12	19	1	19	4.78		90.82
4	HA	12	19	1	19	5.49		104.31
5	HA	12	19	1	19	5.81		110.39
6	HA	12	19	1	19	4.78		90.82
7	HA	12	38	1	38	1.72		65.36
8	HA	12	6	1	6	4.78		28.68
9	HA	12	6	1	6	4.78		28.68
10	HA	12	12	1	12	4.93		59.16
11	HA	12	8	24	192	1.88		360.96
12	HA	25	49	1	49	5.54		271.46
13	HA	25	49	1	49	5.45		267.05
14	HA	12	49	1	49	5.47		268.03
15	HA	12	49	1	49	5.22		255.78
16	HA	16	17	1	17	9.78		166.26
17	HA	16	2	1	2	6.40		12.80
18	HA	16	2	1	2	9.79		19.58
19	HA	12	17	1	17	9.78		166.26
20	HA	12	2	1	2	6.40		12.80
21	HA	12	2	1	2	9.79		19.58
22	HA	12	2	1	2	5.49		10.98
23	HA	12	48	1	48	1.49		71.52
24	HA	12	98	1	98	1.95		191.10
25	HA	12	11	24	264	0.58		153.12

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	2088.35	389.67	168.64	407.34	538.51	—	—	TOTAL
POIDS (kg)	—	—	—	1854.45	470.72	313.45	1004.50	2075.42	—	—	5718.54

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ELEMENT	TOTAL				
PLOT3								
1	HA	14	93	1	93	3.49		324.57
2	HA	20	93	1	93	3.67		341.31
3	HA	12	15	1	15	4.78		71.70
4	HA	12	15	1	15	5.49		82.35
5	HA	12	15	1	15	5.81		87.15
6	HA	12	15	1	15	4.78		71.70
7	HA	12	30	1	30	1.62		48.60
8	HA	12	6	1	6	4.78		28.68
9	HA	12	6	1	6	4.78		28.68
10	HA	12	12	1	12	4.23		28.68
11	HA	12	6	24	144	1.68		241.92
12	HA	25	49	1	49	4.67		241.92
13	HA	25	49	1	49	4.45		228.83
14	HA	12	49	1	49	4.60		218.05
15	HA	12	49	1	49	4.37		225.40
16	HA	16	15	1	15	9.78		146.70
17	HA	16	2	1	2	6.40		12.80
18	HA	16	2	1	2	9.79		19.58
19	HA	12	15	1	15	9.78		146.70
20	HA	12	2	1	2	6.40		12.80
21	HA	12	2	1	2	9.79		19.58
22	HA	12	2	1	2	5.49		10.98
23	HA	12	38	1	38	1.39		52.58
24	HA	12	98	1	98	1.95		191.10
25	HA	12	9	24	216	0.48		103.68

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	1688.73	324.57	179.08	341.31	446.88	—	—	TOTAL
POIDS (kg)	—	—	—	1499.59	392.08	282.59	841.67	1722.28	—	—	4738.21

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ELEMENT	TOTAL				
PLOT4								
1	HA	14	93	1	93	2.89		268.77
2	HA	20	93	1	93	3.13		291.09
3	HA	12	11	1	11	4.78		52.58
4	HA	12	11	1	11	5.49		60.39
5	HA	12	11	1	11	5.81		63.91
6	HA	12	11	1	11	4.78		52.58
7	HA	12	22	1	22	1.47		32.34
8	HA	12	6	1	6	4.78		28.68
9	HA	12	6	1	6	4.78		28.68
10	HA	12	12	1	12	3.43		41.16
11	HA	12	4	24	96	1.48		142.08
12	HA	25	49	1	49	3.82		187.18
13	HA	25	49	1	49	3.90		191.10
14	HA	12	49	1	49	3.55		171.50
15	HA	12	49	1	49	3.62		177.38
16	HA	16	12	1	12	9.78		117.36
17	HA	16	2	1	2	6.40		12.80
18	HA	16	2	1	2	9.79		19.58
19	HA	12	12	1	12	9.78		117.36
20	HA	12	2	1	2	6.40		12.80
21	HA	12	2	1	2	9.79		19.58
22	HA	12	2	1	2	5.49		10.98
23	HA	12	30	1	30	1.39		41.70
24	HA	12	98	1	98	1.95		191.10
25	HA	12	5	24	120	0.48		57.60

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	—	—	—	1302.40	268.77	143.74	291.09	378.28	—	—	TOTAL
POIDS (kg)	—	—	—	1156.53	324.67	226.82	717.83	1457.89	—	—	3883.74

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			ELEMENT	TOTAL				
PLOTS								
1	HA	14	50	1	50	2.32		116.00
2	HA	14	50	1	50	2.32		116.00
3	HA	12	9	1	9	4.78		

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE			ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			PRESENT	PRELEVEMENT	TOTAL				
PLOT1									
①	HA	14	93	1	93		6.30	585.90	
②	HA	20	93	1	93		6.47	601.71	
③	HA	12	25	1	25		4.78	119.50	
④	HA	12	25	1	25		5.49	137.25	
⑤	HA	12	25	1	25		5.81	145.25	
⑥	HA	12	25	1	25		4.78	119.50	
⑦	HA	12	50	1	50		1.92	96.00	
⑧	HA	12	6	1	6		4.78	28.68	
⑨	HA	12	6	1	6		4.78	28.68	
⑩	HA	12	12	1	12		7.03	84.36	
⑪	HA	12	12	24	288		2.28	656.64	
⑫	HA	25	49	1	49		6.33	310.17	
⑬	HA	25	49	1	49		6.16	301.84	
⑭	HA	12	49	1	49		6.16	301.84	
⑮	HA	12	49	1	49		5.77	293.02	
⑯	HA	16	23	1	23		9.78	224.94	
⑰	HA	16	2	1	2		6.40	12.80	
⑱	HA	16	2	1	2		9.79	19.58	
⑲	HA	12	23	1	23		9.78	224.94	
⑳	HA	12	2	1	2		6.40	12.80	
㉑	HA	12	2	1	2		9.79	19.58	
㉒	HA	12	2	1	2		5.49	10.98	
㉓	HA	12	52	1	52		1.49	77.48	
㉔	HA	12	98	1	98		1.95	191.10	
㉕	HA	12	14	24	336		0.58	194.88	

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	---	---	---	2742.48	585.90	257.32	601.71	612.01	---	---	TOTAL
POIDS (kg)	---	---	---	2435.32	707.77	406.05	1483.82	2358.69	---	---	7391.65

TOTAL POUR M4 / TOTAL FOR M4

POIDS TOTAL (kg) : 24234.67

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE			ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			PRESENT	PRELEVEMENT	TOTAL				
PLOT2									
①	HA	14	93	1	93		4.19	389.67	
②	HA	20	93	1	93		4.38	407.34	
③	HA	12	19	1	19		4.78	90.82	
④	HA	12	19	1	19		5.49	104.31	
⑤	HA	12	19	1	19		5.81	110.39	
⑥	HA	12	19	1	19		4.78	90.82	
⑦	HA	12	38	1	38		1.72	65.36	
⑧	HA	12	6	1	6		4.78	28.68	
⑨	HA	12	6	1	6		4.78	28.68	
⑩	HA	12	12	1	12		4.93	59.16	
⑪	HA	12	8	24	192		1.88	360.96	
⑫	HA	25	49	1	49		5.32	260.68	
⑬	HA	25	49	1	49		5.23	256.27	
⑭	HA	12	49	1	49		5.27	258.23	
⑮	HA	12	49	1	49		5.00	245.00	
⑯	HA	16	19	1	19		9.78	185.82	
⑰	HA	16	2	1	2		6.40	12.80	
⑱	HA	16	2	1	2		9.79	19.58	
⑲	HA	12	19	1	19		9.78	185.82	
⑳	HA	12	2	1	2		6.40	12.80	
㉑	HA	12	2	1	2		9.79	19.58	
㉒	HA	12	2	1	2		5.49	10.98	
㉓	HA	12	46	1	46		1.49	68.54	
㉔	HA	12	98	1	98		1.95	191.10	
㉕	HA	12	11	24	264		0.58	153.12	

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	---	---	---	2084.35	389.67	216.20	407.34	516.95	---	---	TOTAL
POIDS (kg)	---	---	---	1850.90	470.72	344.32	1004.50	1992.33	---	---	5662.77

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE			ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			PRESENT	PRELEVEMENT	TOTAL				
PLOT3									
①	HA	14	93	1	93		3.49	324.57	
②	HA	20	93	1	93		3.67	341.31	
③	HA	12	15	1	15		4.78	71.70	
④	HA	12	15	1	15		5.49	82.35	
⑤	HA	12	15	1	15		5.81	87.15	
⑥	HA	12	15	1	15		4.78	71.70	
⑦	HA	12	30	1	30		1.62	48.60	
⑧	HA	12	6	1	6		4.78	28.68	
⑨	HA	12	6	1	6		4.78	28.68	
⑩	HA	12	12	1	12		4.23	28.68	
⑪	HA	12	6	24	144		1.68	241.92	
⑫	HA	25	49	1	49		4.49	220.01	
⑬	HA	25	49	1	49		4.27	209.23	
⑭	HA	12	49	1	49		4.42	216.58	
⑮	HA	12	49	1	49		4.19	205.31	
⑯	HA	16	14	1	14		9.78	136.92	
⑰	HA	16	2	1	2		6.40	12.80	
⑱	HA	16	2	1	2		9.79	19.58	
⑲	HA	12	14	1	14		9.78	136.92	
⑳	HA	12	2	1	2		6.40	12.80	
㉑	HA	12	2	1	2		9.79	19.58	
㉒	HA	12	2	1	2		5.49	10.98	
㉓	HA	12	36	1	36		1.39	50.04	
㉔	HA	12	98	1	98		1.95	191.10	
㉕	HA	12	9	24	216		0.48	103.68	

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	---	---	---	1658.53	324.57	169.30	341.31	429.24	---	---	TOTAL
POIDS (kg)	---	---	---	1472.77	392.08	267.16	841.67	1654.29	---	---	4627.97

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE			ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			PRESENT	PRELEVEMENT	TOTAL				
PLOT4									
①	HA	14	93	1	93		2.89	268.77	
②	HA	20	93	1	93		3.13	291.09	
③	HA	12	11	1	11		4.78	52.58	
④	HA	12	11	1	11		5.49	60.39	
⑤	HA	12	11	1	11		5.81	63.91	
⑥	HA	12	11	1	11		4.78	52.58	
⑦	HA	12	22	1	22		1.47	32.34	
⑧	HA	12	6	1	6		4.78	28.68	
⑨	HA	12	6	1	6		4.78	28.68	
⑩	HA	12	12	1	12		3.43	41.16	
⑪	HA	12	4	24	96		1.48	142.08	
⑫	HA	25	49	1	49		3.73	182.77	
⑬	HA	25	49	1	49		3.81	186.69	
⑭	HA	12	49	1	49		3.46	169.54	
⑮	HA	12	49	1	49		3.53	172.97	
⑯	HA	16	12	1	12		9.78	117.36	
⑰	HA	16	2	1	2		6.40	12.80	
⑱	HA	16	2	1	2		9.79	19.58	
⑲	HA	12	12	1	12		9.78	117.36	
⑳	HA	12	2	1	2		6.40	12.80	
㉑	HA	12	2	1	2		9.79	19.58	
㉒	HA	12	2	1	2		5.49	10.98	
㉓	HA	12	30	1	30		1.39	41.70	
㉔	HA	12	98	1	98		1.95	191.10	
㉕	HA	12	5	24	120		0.48	57.60	

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	
LONG. (m)	---	---	---	1296.03	268.77	149.74	291.09	369.46	---	---	TOTAL
POIDS (kg)	---	---	---	1150.87	324.67	236.29	717.83	1423.90	---	---	3853.56

QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE			ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			PRESENT	PRELEVEMENT	TOTAL				
PLOT5									
①	HA	14	50	1	50		2.32	116.00	
②	HA	14	50	1	50		2.32	116.00	
③	HA	12	9	1	9		4.78	43.02	
④	HA	12	9	1	9		5.49	49.41	
⑤	HA	12	9	1	9		5.81	52.29	
⑥	HA	12	9	1	9		4.78	43.02	
⑦	HA	12	18	1	18		1.42	25.56	
⑧	HA	12	4	1	4		4.78	19.12	
⑨	HA	12	4	1	4		4.78	19.12	
⑩	HA	12	8	1	8		3.08	24.64	
⑪	HA	12	2	24	48		1.26	60.48	
⑫	HA	16	25	1	25		2.82	70.50	
⑬	HA	16	25	1	25		2.56	64.00	
⑭	HA	14	25	1	25		2.66	66.50	
⑮	HA	14	25	1	25		2.40	60.00	
⑯	HA	12	16	1	16		9.78	156.48	
⑰	HA	12	4	1	4		6.40	25.60	
⑱	HA	12	4	1	4		9.79	27.16	
⑲	HA	12	2	1	2		5.49	10.98	
⑳	HA	12	22	1	22		1.39	30.58	
㉑	HA	14	50	1	50		2.03	101.50	
㉒	HA	12	5	24	120		0.48	57.60	

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	
POIDS (kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.466	3.854	6.313	9.865	