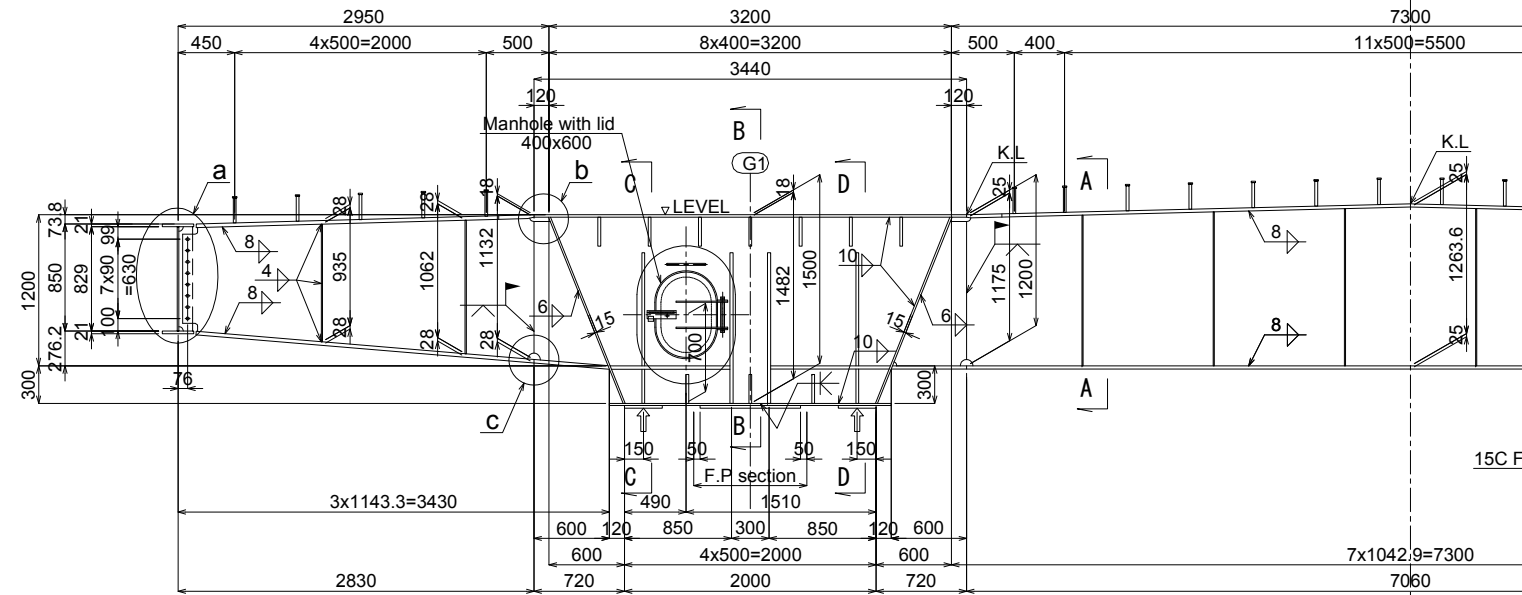
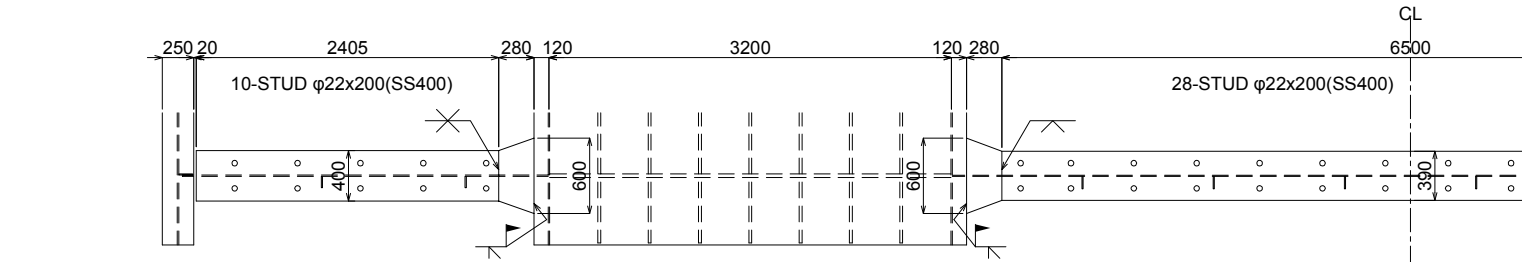


S1,S2 A1 1:30,A3 1:60



- 1-UFLG PL 400x28x2406(SM490YB)
- 1-WEB PL 1132x11x2794(SM490YA)
- 1-LFLG PL 400x28x2698(SM490YB)
- 1-VSTF PL 90x9x935
- 1-VSTF PL 90x9x1062
- 8-TCB M22x55(S10T)

- 1-UFLG PL 600x28x280(SM490YB)
- 1-WEB PL 1147x11x591(SM490YA)
- 1-LFLG PL 400x28x594(SM490YB)

- 1-DIA PL 1482x28x3190(SM490YB)
- 4-VSTF PL 220x25x1200(SM490YB)
- 2-PL 186x28x953(SM490YB)
- 2-PL 181x25x953(SM490YB)
- Jack up
- 4-PL 140x22x900(SM490YB)
- 2-PL 140x22x272(SM490YB)
- 2-PL 140x22x275(SM490YB)
- 2-BASE PL 350x43x350(SM400C)

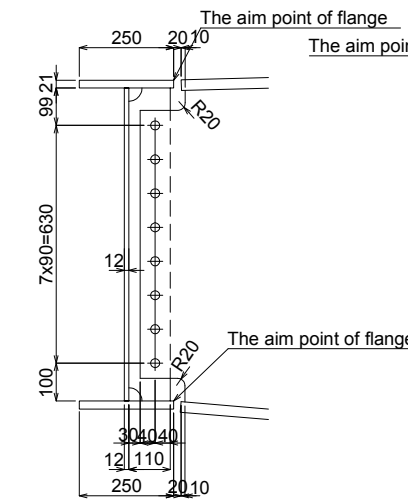
- 1-UFLG PL 600x25x280(SM490YB)
- 1-WEB PL 1147x10x591(SM490YA)
- 1-LFLG PL 390x25x591(SM490YB)

- 1-UFLG PL 390x25x7062(SM490YB)
- 1-WEB PL 1263x10x7060(SM490YA)
- 1-LFLG PL 390x25x7060(SM490YB)
- 2-VSTF PL 100x9x1198
- 2-VSTF PL 100x9x1224
- 2-VSTF PL 100x9x1250
- 4-PL 100x9x120

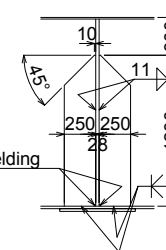
NOTES

- All materials shall be SM400A unless otherwise noted.
- Scallops shall be 35R unless otherwise noted.
- Φ shows "Twist-off-type tension control bolts" M22(S10T)

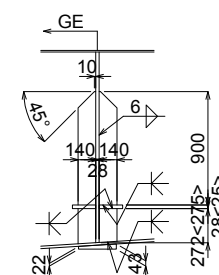
"a"DETAIL A1 1:10,A3 1:20



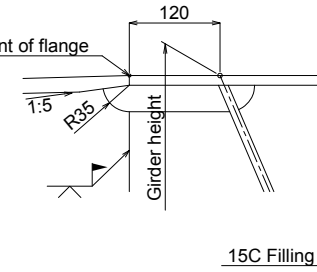
B-B



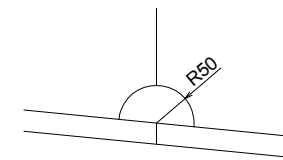
C-C<D-D>
Jack up



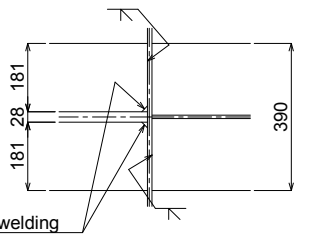
"b"DETAIL A1 1:5,A3 1:10



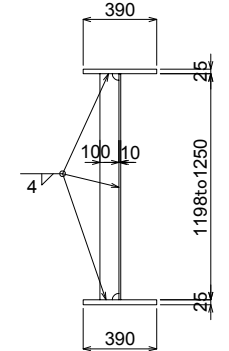
"c"DETAIL A1 1:5,A3 1:10



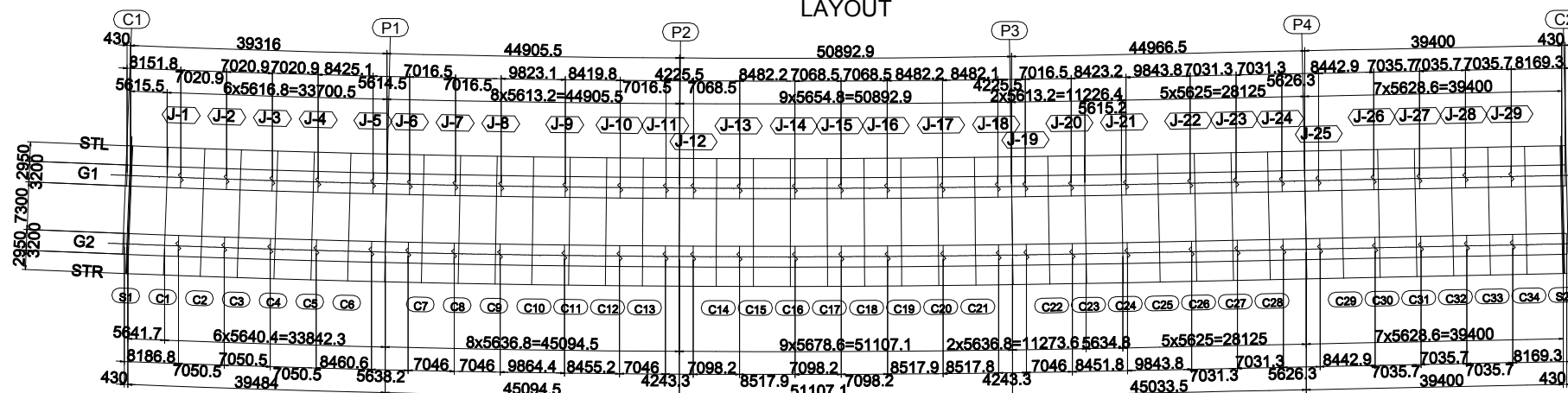
"d"DETAIL A1 1:10,A3 1:20



A-A A1 1:20,A3 1:40



LAYOUT



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



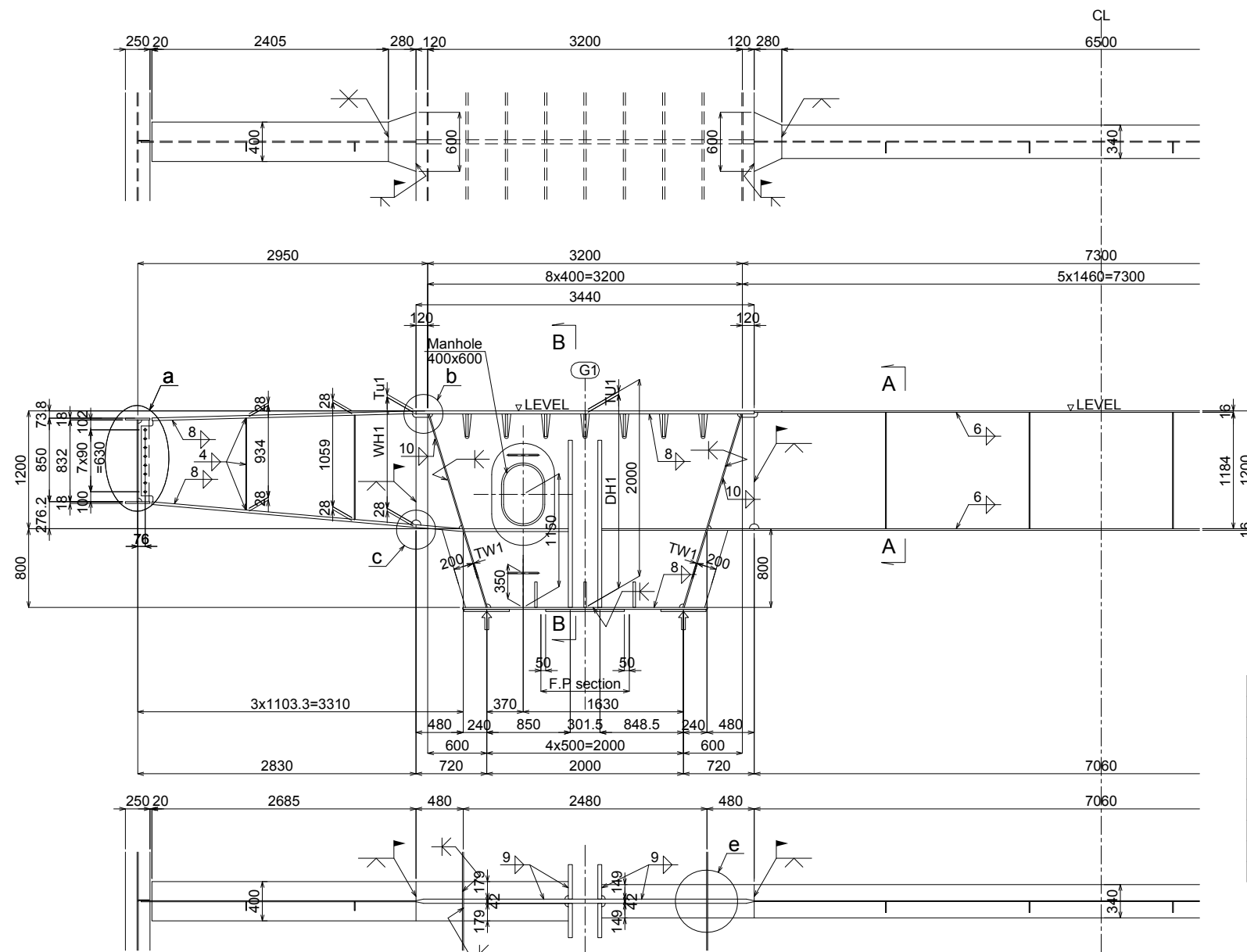
ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

RIVIERA 3
POUTRE DE TABLIER ET DIAPHRAGME SUR PILES
END FLOOR BEAM AND DIAPHRAGM

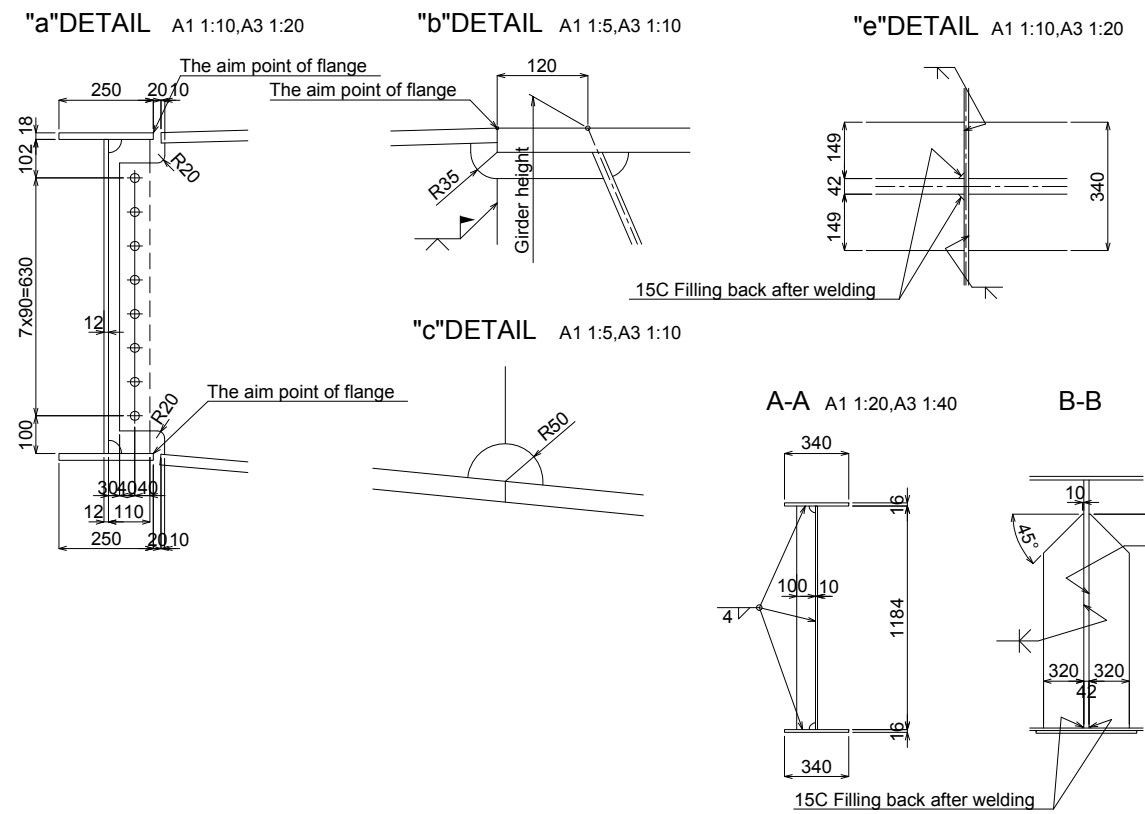
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A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT
Format A3 Fichier / File :						
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCG, ISEC	BFM	PONT	DESSINS	H-RT-TA-065	A	



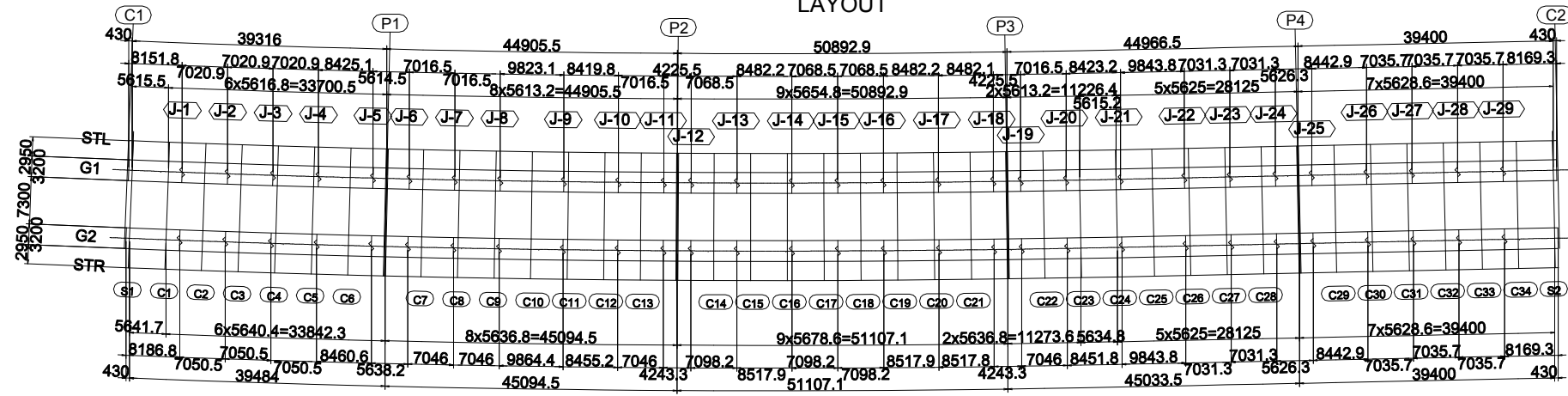
- | | | |
|--------------------------------|--------------------------------|-------------------------------|
| 1-UFLG PL 400x28x2406(SM490YB) | 1-DIA PL DH1x42x3190(SM520C-H) | 1-UFLG PL 340x16x7060 |
| 1-WEB PL WH1x11x2794(SM490YA) | 4-VSTF PL 350x40x1700(SM490YB) | 1-WEB PL 1184x10x7060 |
| 1-LFLG PL 400x28x2695(SM490YB) | 2-PL 179x28x1068(SM490YB) | 1-LFLG PL 340x16x7060 |
| 1-VSTF PL 90x9x934 | 2-PL 149x16x1068 | 4-VSTF PL 100x9x1184 |
| 1-VSTF PL 90x9x1059 | Jack up | 4-PL 100x9x120 |
| 8-TCB M22x55(S10T) | 1-PL 200x42x885(SM520C-H) | 1-UFLG PL 600x16x280 |
| | 1-PL 200x42x879(SM520C-H) | 1-WEB PL WH2x42xWL2(SM520C-H) |
| | 1-LFLG PL 400x28xLF1(SM490YB) | 1-LFLG PL 340x16xLF2 |
| | 2-BASE PL 460x22x460 | |

	P1	P2	P3	P4
DH1	1973	1970	1970	1973
TU1	27	30	30	27
TW1	24	22	27	24
WH1	1131	1128	1128	1131
WH2	1138	1135	1135	1138
WL1	461	463	458	461
WL2	461	463	458	461
LF1	463	465	460	463
LF2	461	463	458	461

- NOTES
- All materials shall be SM400A unless otherwise noted.
 - Scallop shall be 35R unless otherwise noted.
 - φ shows "Twist-off-type tension control bolts" M22(S10T)
 - < > Internal dimensions indicate P1.



LAYOUT



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN

REPUBLIC 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.

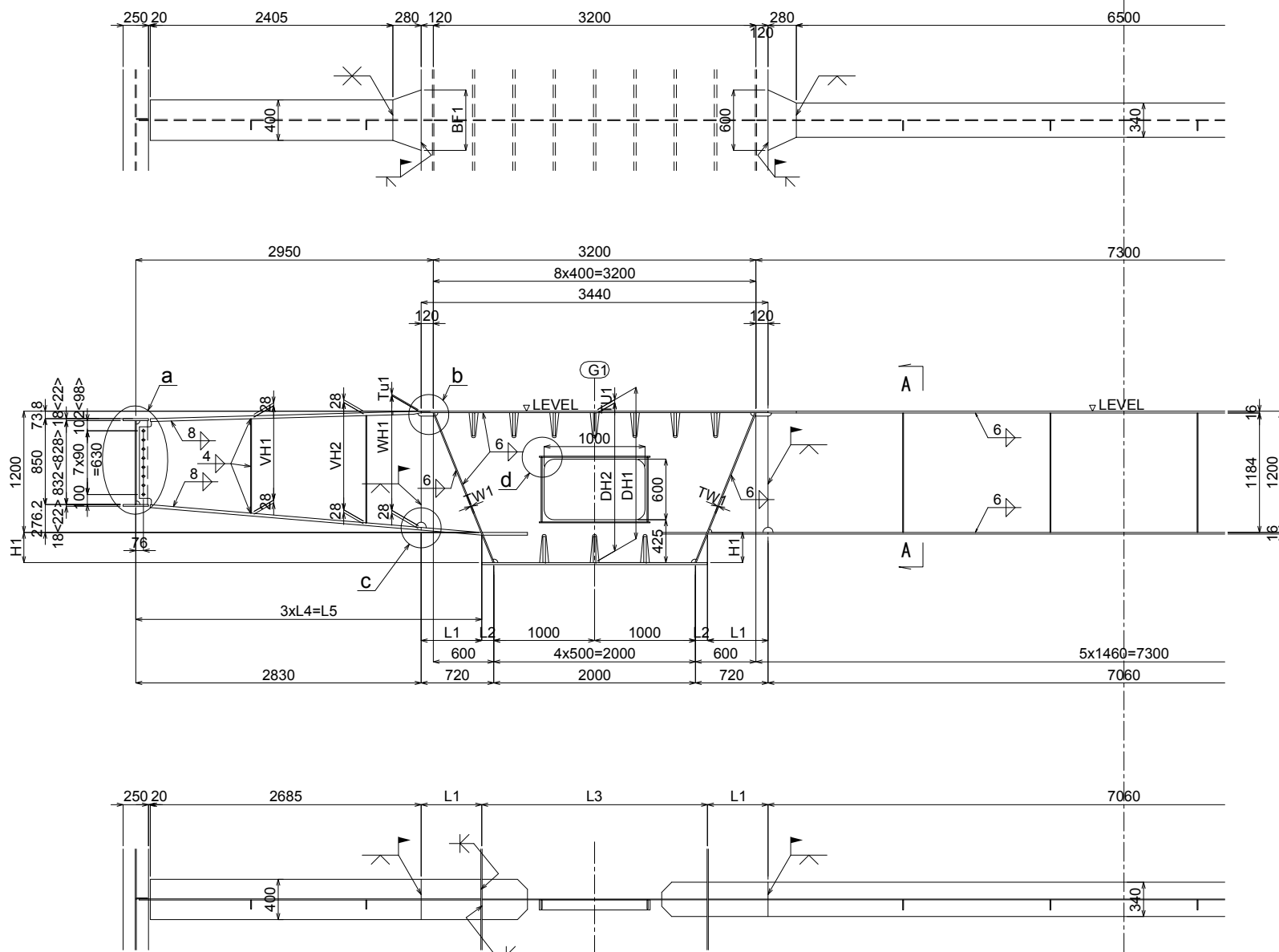
INGÉROSEC CORPORATION

RIVIERA 3
POUTRE DE TABLIER ET DIAPHRAGME SUR PILES
INTERMEDIATE FLOOR BEAM AND DIAPHRAGM ON THE PIER

Indice / Revue	Date	Préparé par / Drawn 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

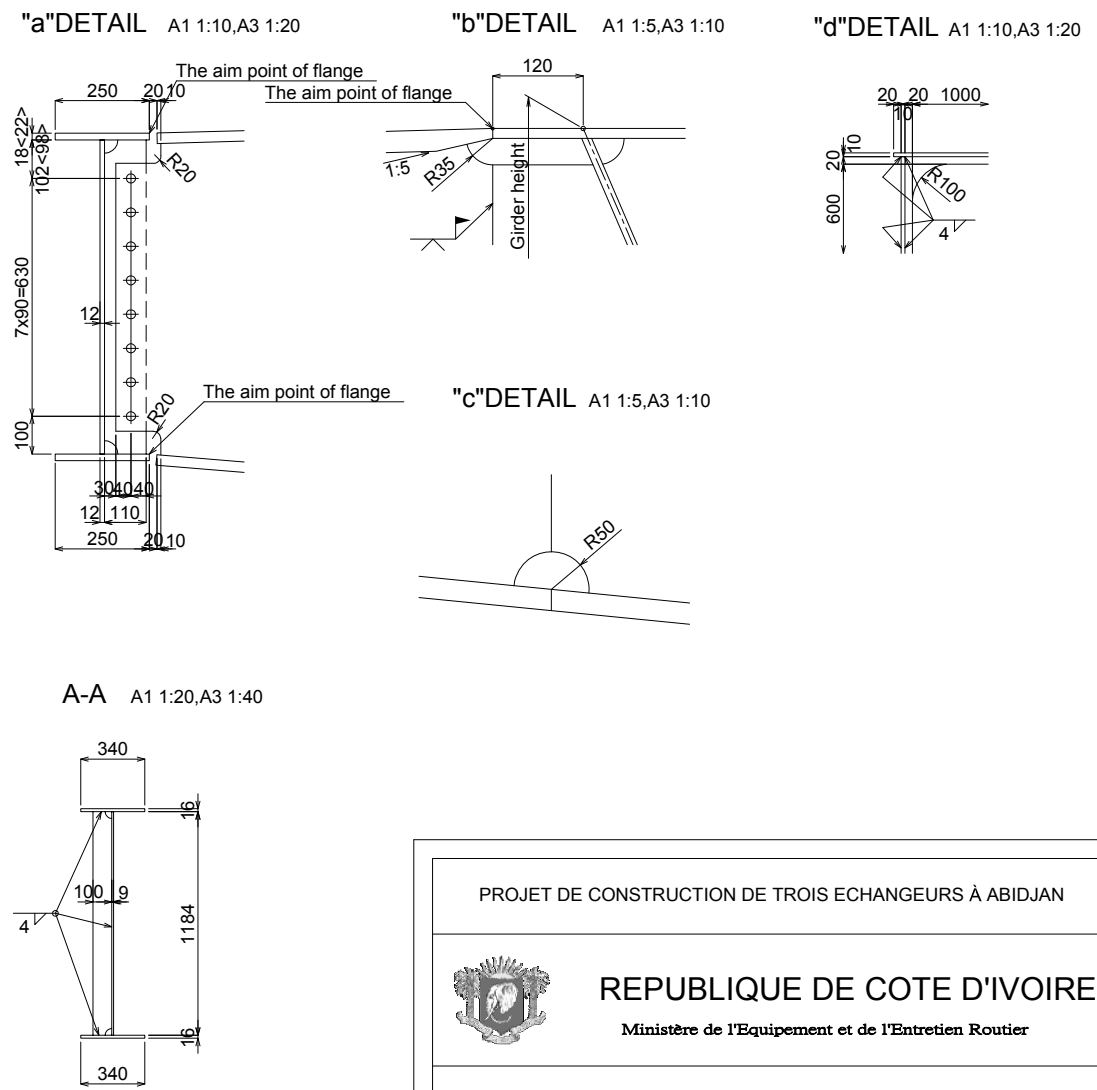
Format	A3	Fichier / File	Emetteur / Issued by	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC			BFM		PONT	DESSINS	H-RT-TA-066	A

A-TYPE A1 1:30, A3 1:60
 <C1>, C5 to C8, C12 to C15, C20 to C23, C27 to C30, C34

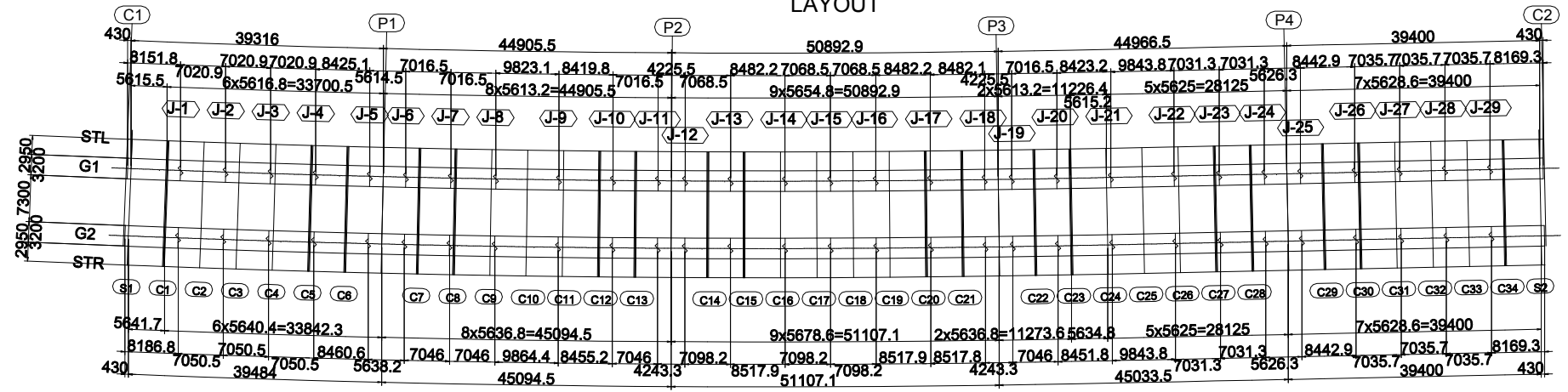


- 1-UFLG PL 400x28x2406(SM490YB)
- 1-WEB PL WH1x11x2794(SM490YA)
- 1-LFLG PL 400x28xLF1(SM490YB)
- 1-VSTF PL 90x9xVH1
- 1-VSTF PL 90x9xVH2
- 8-TCB M22x55(S10T)
- 1-DIA PL DH3x9x3190
- 2-PL 100x10x1100
- 2-PL 90x10x640
- 2-PL 196x28x450(SM490YB)
- 2-PL 166x16x450
- 1-UFLG PL BF1x28x280(SM490YB)
- 1-WEB PL WH2x11xWL1(SM490YA)
- 1-LFLG PL 400x28xLF2(SM490YB)
- 1-UFLG PL 600x16x280
- 1-WEB PL WH2x9xWL2
- 1-LFLG PL 340x16xLF3
- 1-UFLG PL 340x16x7060
- 1-WEB PL 1184x9x7060
- 1-LFLG PL 340x16x7060
- 4-VSTF PL 100x9x1184
- 4-PL 100x9x120

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 Intermediate floor beam and Diaphragm(3/3) for the dimensional table.
 5. < > Internal dimensions indicate C1.



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

JICA AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
 / JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS GLOBAL CO., LTD.
INGÉROSEC CORPORATION

RIVIERA 3
POUTRE DE TABLIER ET DIAPHRAGME INTERMÉDIAIRES - (1)
INTERMEDIATE FLOOR BEAM AND DIAPHRAGM (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

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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-RT-TA-067	A	

C1 to C34

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17
DH1	1501.6	1522.3	1566.8	1635.4	1727.8	1844.1	1796.5	1607.8	1512.6	1500.0	1511.4	1598.0	1769.5	1809.7	1638.7	1535.5	1500.0
DH2	1483.6	1499.3	1543.8	1616.4	1708.8	1830.1	1782.5	1593.8	1498.6	1484.0	1497.4	1584.0	1752.5	1794.7	1620.7	1517.5	1478.0
DH3	1484	1499	1544	1616	1709	1830	1782	1594	1499	1484	1497	1584	1753	1795	1621	1518	1478
TU1	18	23	23	19	19	14	14	14	14	16	14	14	17	15	18	18	22
TW1	15	12	12	14	14	22	20	14	14	12	14	14	23	24	15	15	15
H1	301.6	322.3	366.8	435.4	527.8	644.1	596.5	407.8	312.6	300.0	311.4	398.0	569.5	609.7	438.7	335.5	300.0
H2	321.6	342.3	386.8	455.4	547.8	664.1	616.5	427.8	332.6	320.0	331.4	418.0	589.5	629.7	458.7	355.5	320.0
L1	599.5	593.0	579.5	560.3	536.7	510.4	520.8	567.8	596.0	600.0	596.4	570.6	526.9	517.8	559.4	588.9	600.0
L2	120.5	127.0	140.5	159.7	183.3	209.6	199.2	152.2	124.0	120.0	123.6	149.4	193.1	202.2	160.6	131.1	120.0
L3	2241.0	2254.1	2281.0	2319.5	2366.6	2419.2	2398.4	2304.4	2248.0	2240.0	2247.2	2298.9	2386.2	2404.3	2321.3	2262.2	2240.0
L4	1143.2	1141.0	1136.5	1130.1	1122.2	1113.5	1116.9	1132.6	1142.0	1143.3	1142.1	1133.5	1119.0	1115.9	1129.8	1139.6	1143.3
L5	3429.5	3423.0	3409.5	3390.3	3366.7	3340.4	3350.8	3397.8	3426.0	3430.0	3426.4	3400.6	3356.9	3347.8	3389.4	3418.9	3430.0
BF1	960	960	960	960	600	600	600	800	960	960	960	800	600	600	600	960	960
WH1	1132	1127	1128	1134	1135	1142	1141	1138	1136	1134	1136	1138	1138	1141	1135	1133	1128
WH2	1147	1142	1142	1146	1146	1151	1151	1151	1151	1149	1151	1151	1148	1150	1147	1147	1143
WL1	590	586	573	551	528	493	506	559	587	593	587	562	509	499	549	579	590
WL2	590	586	573	551	528	493	506	559	587	593	587	562	509	499	549	579	590
LF1	2694	2694	2694	2695	2695	2695	2695	2695	2694	2694	2694	2695	2695	2695	2695	2694	2694
LF2	592	588	575	553	530	495	508	561	589	595	589	564	511	501	551	581	592
LF3	590	586	573	551	528	493	506	559	587	593	587	562	509	499	549	579	590
VH1	935	935	935	934	934	934	934	935	935	935	935	935	934	934	934	935	935
VH2	1062	1061	1061	1061	1060	1060	1060	1061	1062	1062	1062	1061	1060	1060	1061	1061	1062

	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34
DH1	1500.0	1535.4	1638.6	1809.4	1769.8	1598.1	1511.4	1500.0	1512.2	1607.0	1795.6	1844.3	1727.6	1635.0	1566.5	1522.0	1501.5
DH2	1478.0	1517.4	1620.6	1794.4	1753.8	1584.1	1497.4	1484.0	1498.2	1593.0	1781.6	1830.3	1708.6	1616.0	1543.5	1499.0	1483.5
DH3	1478	1517	1621	1794	1754	1584	1497	1484	1498	1593	1782	1830	1709	1616	1544	1499	1483
TU1	22	18	18	15	16	14	14	16	14	14	14	14	19	19	23	23	18
TW1	15	15	15	23	23	14	14	12	14	14	20	22	14	14	12	12	15
H1	300.0	335.4	438.6	609.4	569.8	398.1	311.4	300.0	312.2	407.0	595.6	644.3	527.6	435.0	366.5	322.0	301.5
H2	320.0	355.4	458.6	629.4	589.8	418.1	331.4	320.0	332.2	427.0	615.6	664.3	547.6	455.0	386.5	342.0	321.5
L1	600.0	588.9	559.4	517.9	526.8	570.5	596.4	600.0	596.1	568.0	521.0	510.4	536.8	560.4	579.6	593.1	599.5
L2	120.0	131.1	160.6	202.1	193.2	149.5	123.6	120.0	123.9	152.0	199.0	209.6	183.2	159.6	140.4	126.9	120.5
L3	2240.0	2262.2	2321.2	2404.2	2386.3	2298.9	2247.2	2240.0	2247.8	2303.9	2398.0	2419.2	2366.5	2319.3	2280.8	2253.9	2240.0
L4	1143.3	1139.6	1129.8	1116.0	1118.9	1133.5	1142.1	1143.3	1142.0	1132.7	1117.0	1113.5	1122.3	1130.1	1136.5	1141.0	1143.2
L5	3430.0	3418.9	3389.4	3347.9	3356.8	3400.5	3426.4	3430.0	3426.1	3398.0	3351.0	3340.4	3366.8	3390.4	3409.6	3423.1	3429.5
BF1	960	960	600	600	600	800	960	960	960	800	600	600	600	960	960	960	960
WH1	1128	1133	1135	1141	1139	1138	1136	1134	1136	1138	1141	1142	1135	1134	1128	1127	1132
WH2	1143	1147	1147	1150	1149	1151	1151	1149	1151	1151	1151	1151	1146	1146	1142	1142	1147
WL1	590	579	549	500	509	562	587	593	587	559	506	493	528	551	573	586	590
WL2	590	579	549	500	509	562	587	593	587	559	506	493	528	551	573	586	590
LF1	2694	2694	2695	2695	2695	2695	2694	2694	2694	2695	2695	2695	2695	2695	2694	2694	2694
LF2	592	581	551	502	511	564	589	595	589	561	508	495	530	553	575	588	592
LF3	590	579	549	500	509	562	587	593	587	559	506	493	528	551	573	586	590
VH1	935	935	934	934	934	935	935	935	935	935	934	934	934	934	935	935	935
VH2	1062	1061	1061	1060	1060	1061	1062	1062	1062	1061	1060	1060	1060	1061	1061	1061	1062

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



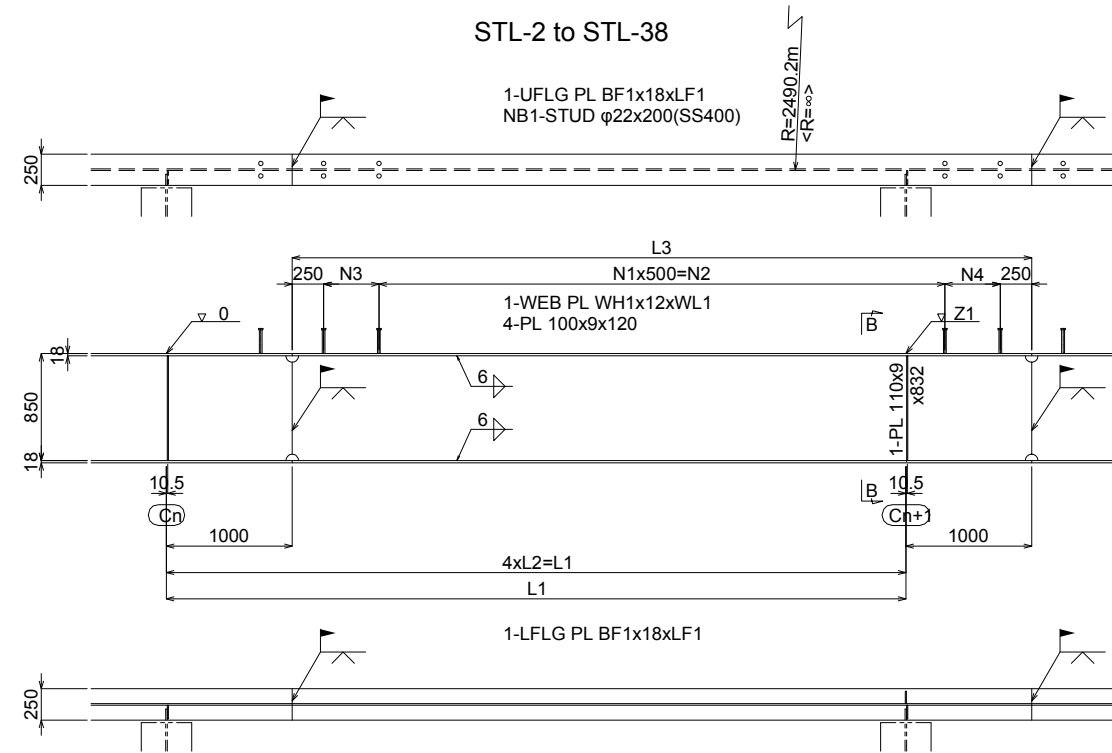
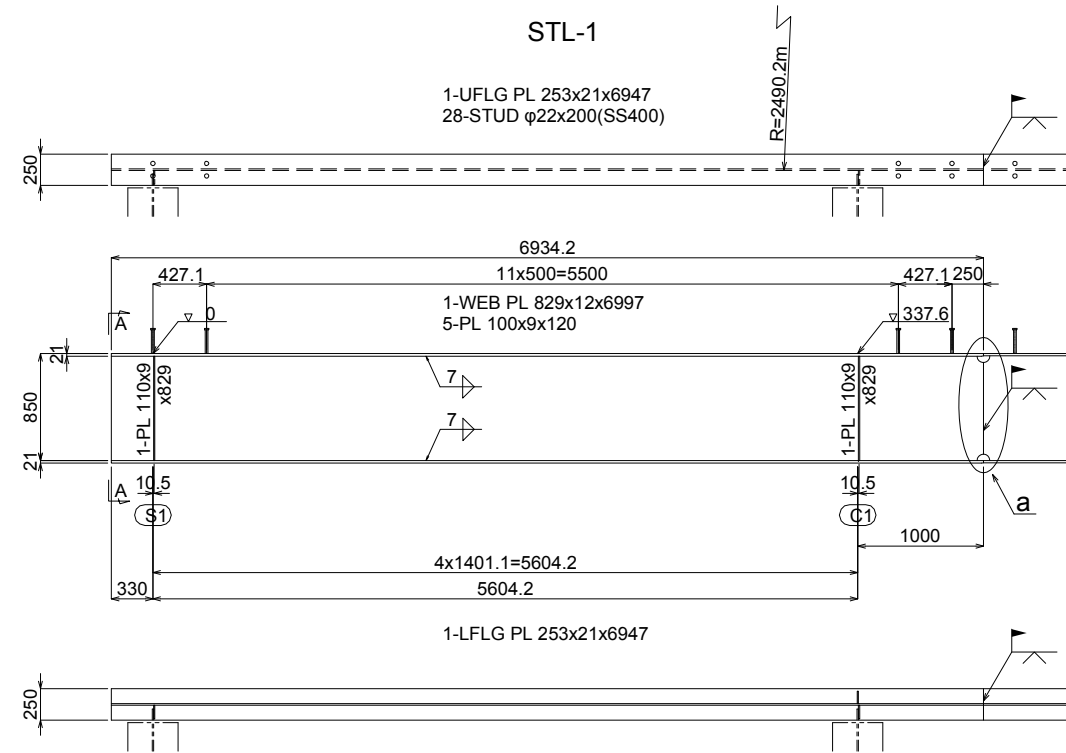
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
INGÉROSEC CORPORATION

RIVIERA 3
POUTRE DE TABLIER ET DIAPHRAGME INTERMÉDIAIRES - (3)
INTERMEDIATE FLOOR BEAM AND DIAPHRAGM (3)

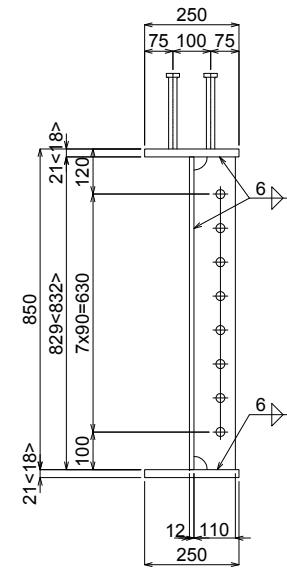
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			Index / Index
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			A

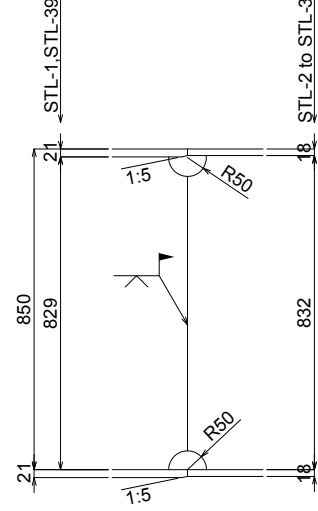
STL(1/3) A1 1:30, A3 1:60



A-A<B-B> A1 1:10, A3 1:20

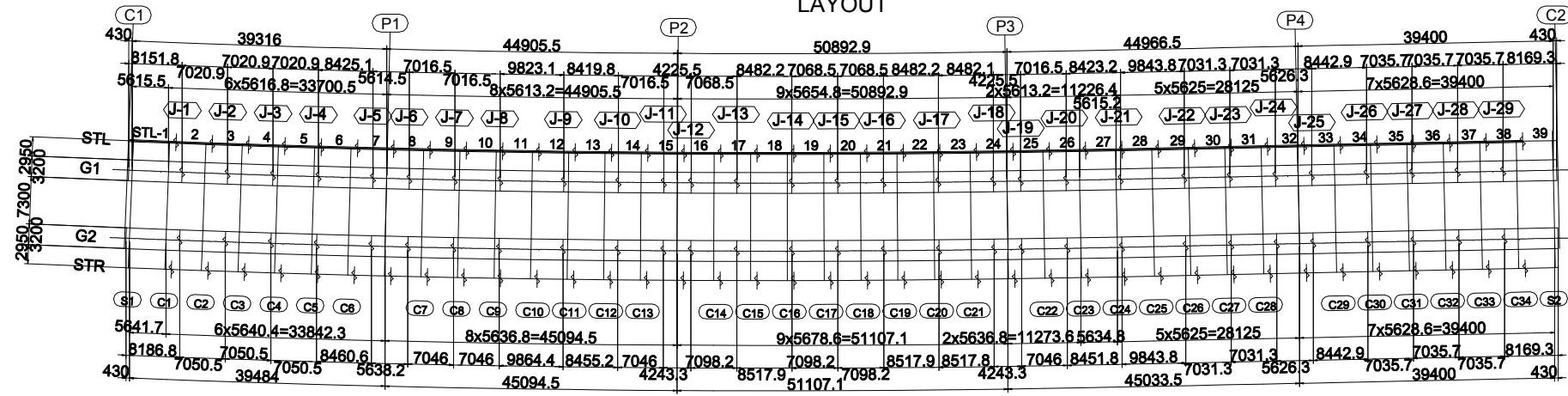


"a"DETAIL A1 1:10, A3 1:20



- 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-27 to 38.

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

JICA AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
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**RIVIERA 3
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-RT-TA-070	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
Cn	C1	C2	C3	C4	C5	C6	P1	P1	C7	C8	C9	C10	C11
Cn+1	C2	C3	C4	C5	C6	P1	C7	C8	C9	C10	C11	C12	C13
L1	5606.5	5606.5	5606.5	5606.5	5606.5	5606.5	5603	5603	5603	5603	5603	5602.9	5603
L2	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1400.8	1400.8	1400.8	1400.8	1400.8	1400.7	1400.8
L3	5606.5	5606.5	5606.5	5606.5	5606.5	5606.5	5603	5603	5603	5603	5603	5602.9	5603
Z	337.7	337.7	336.2	319.2	298.1	277	255.7	234.6	213.5	192.4	171.3	150.2	129.1
BF1	251	251	251	251	251	251	251	251	251	251	251	251	251
LF1	5617	5617	5617	5616	5614	5613	5609	5608	5607	5606	5606	5605	5604
WH1	830	830	831	831	831	831	831	831	831	832	832	832	832
WL1	5667	5667	5666	5663	5659	5654	5647	5643	5639	5635	5631	5627	5624
N1	9	9	9	9	9	9	9	9	9	9	9	9	9
N2	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
N3	303.3	303.3	303.3	303.3	303.3	303.3	301.5	301.5	301.5	301.5	301.5	301.5	301.5
N4	303.3	303.3	303.3	303.3	303.3	303.3	301.5	301.5	301.5	301.5	301.5	301.5	301.5
NB1	24	24	24	24	24	24	24	24	24	24	24	24	24

	STL-15	STL-16	STL-17	STL-18	STL-19	STL-20	STL-21	STL-22	STL-23	STL-24	STL-25	STL-26
Cn	C13	P2	C14	C15	C16	C17	C18	C19	C20	C21	P3	C22
Cn+1	P2	C14	C15	C16	C17	C18	C19	C20	C21	P3	C22	C23
L1	5602.9	5644.5	5644.5	5644.5	5644.5	5644.5	5644.5	5644.5	5644.5	5644.5	5602.9	5602.9
L2	1400.7	1411.1	1411.1	1411.1	1411.1	1411.1	1411.1	1411.1	1411.1	1411.1	1400.7	1400.7
L3	5602.9	5644.5	5644.5	5644.5	5644.5	5644.5	5644.5	5644.5	5644.5	5644.5	5602.9	5602.9
Z	108	87.5	66.1	44.7	23.3	1.9	-19.5	-40.9	-62.3	-83.7	-104.3	-125.4
BF1	251	251	251	251	251	251	251	251	251	251	251	251
LF1	5604	5645	5645	5645	5645	5645	5645	5645	5645	5645	5604	5604
WH1	832	832	832	832	832	832	832	832	832	832	832	832
WL1	5620	5658	5655	5651	5648	5645	5647	5651	5654	5657	5619	5623
N1	9	9	9	9	9	9	9	9	9	9	9	9
N2	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
N3	301.5	322.3	322.3	322.3	322.3	322.3	322.3	322.3	322.3	322.3	301.5	301.5
N4	301.5	322.3	322.3	322.3	322.3	322.3	322.3	322.3	322.3	322.3	301.5	301.5
NB1	24	24	24	24	24	24	24	24	24	24	24	24

	STL-27	STL-28	STL-29	STL-30	STL-31	STL-32	STL-33	STL-34	STL-35	STL-36	STL-37	STL-38
Cn	C23	C24	C25	C26	C27	C28	P4	P4	C29	C30	C31	C32
Cn+1	C24	C25	C26	C27	C28	P4	C29	C30	C31	C32	C33	C34
L1	5606.7	5625	5625	5625	5625	5625	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6
L2	1401.7	1406.3	1406.3	1406.3	1406.3	1406.3	1407.2	1407.2	1407.2	1407.2	1407.2	1407.2
L3	5606.7	5625	5625	5625	5625	5625	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6
Z	-146.5	-167.6	-188.7	-209.8	-230.9	-252	-273.2	-294.3	-315.5	-334.5	-337.7	-337.7
BF1	251	250	250	250	250	250	250	250	250	250	250	250
LF1	5609	5627	5628	5629	5630	5631	5635	5636	5637	5639	5639	5639
WH1	832	832	832	831	831	831	831	831	831	831	831	831
WL1	5630	5652	5656	5660	5664	5668	5676	5680	5684	5688	5689	5689
N1	9	9	9	9	9	9	9	9	9	9	9	9
N2	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
N3	303.4	312.5	312.5	312.5	312.5	312.5	314.3	314.3	314.3	314.3	314.3	314.3
N4	303.4	312.5	312.5	312.5	312.5	312.5	314.3	314.3	314.3	314.3	314.3	314.3
NB1	24	24	24	24	24	24	24	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

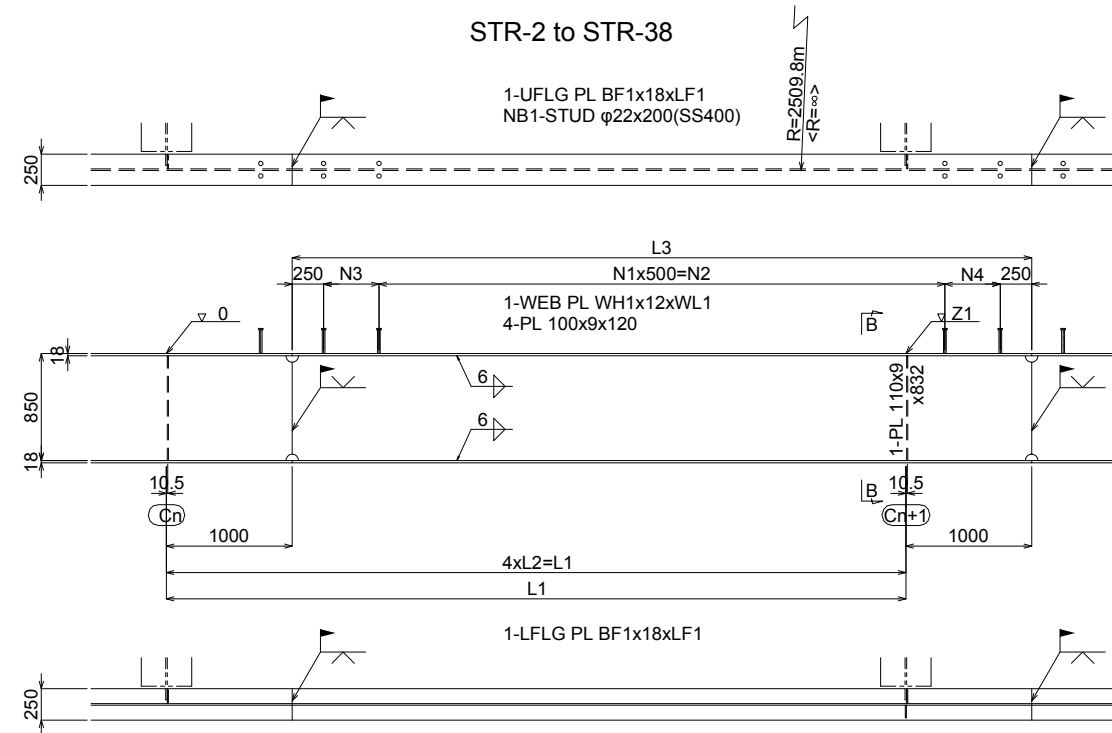
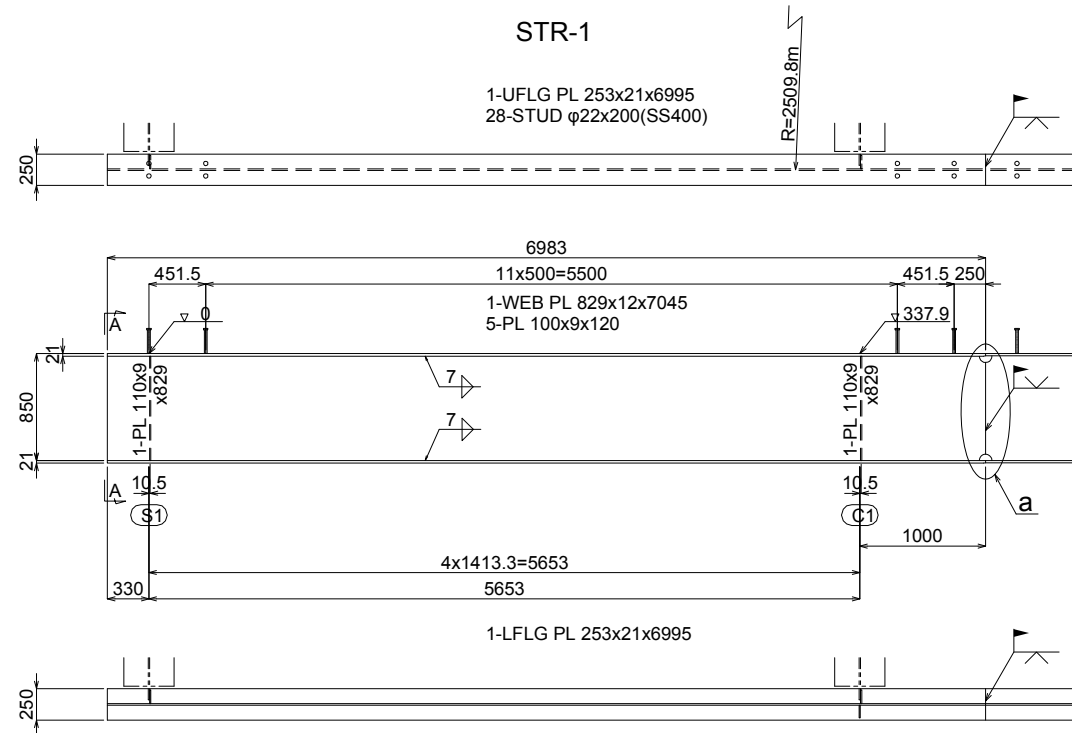


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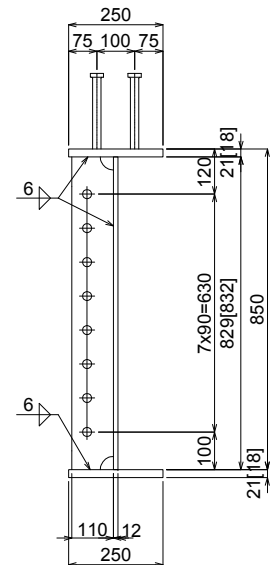
RIVIERA 3
LONGERON (3)
SIDE STRINGER (3)

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

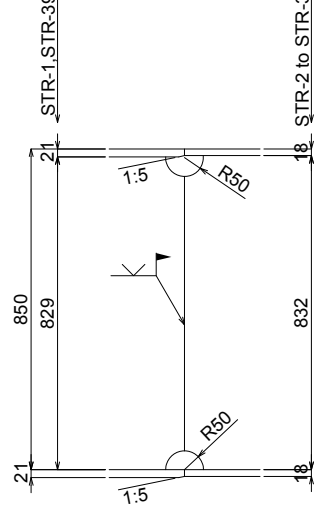
Format	A3	Fichier/ File :				
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCG, ISEC	BFM	PONT	DESSINS	H-RT-TA-072	A	



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



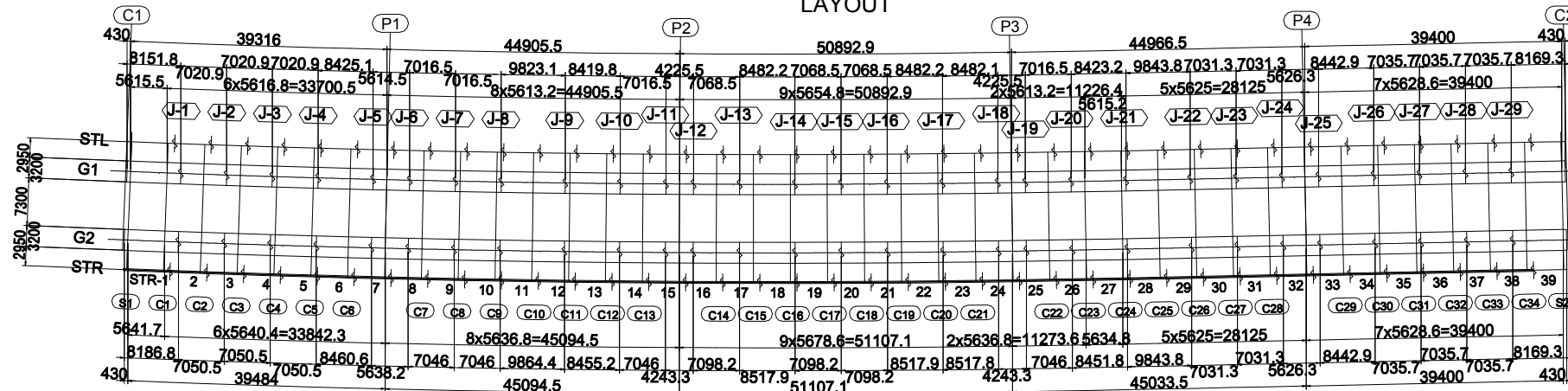
"a"DETAIL A1 1:10, A3 1:20



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-27to38.

LAYOUT



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
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ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

RIVIERA 3
LONGERON (4)
SIDE STRINGER (4)

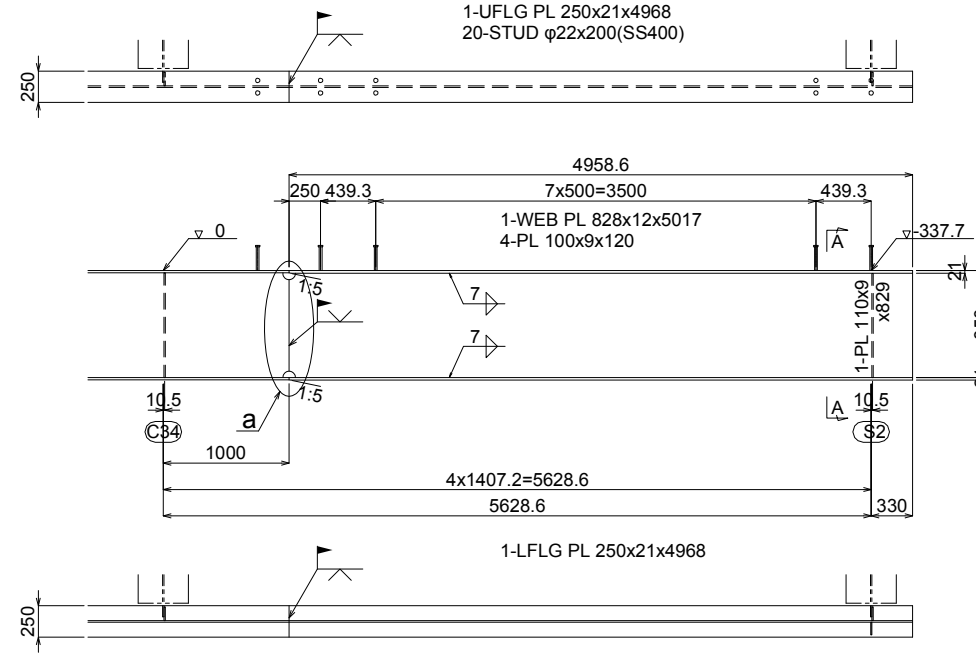
Indice / Révis	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

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-RT-TA-073	A	

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

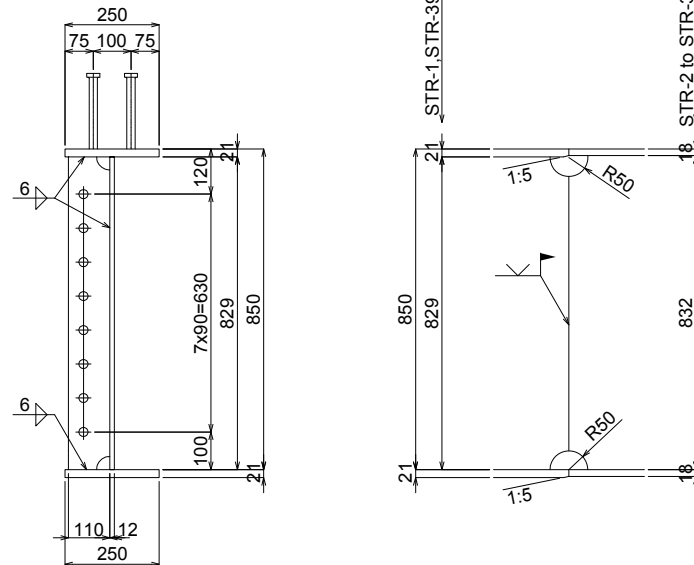
STR-39

1-UFLG PL 250x21x4968
20-STUD φ22x200(SS400)



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

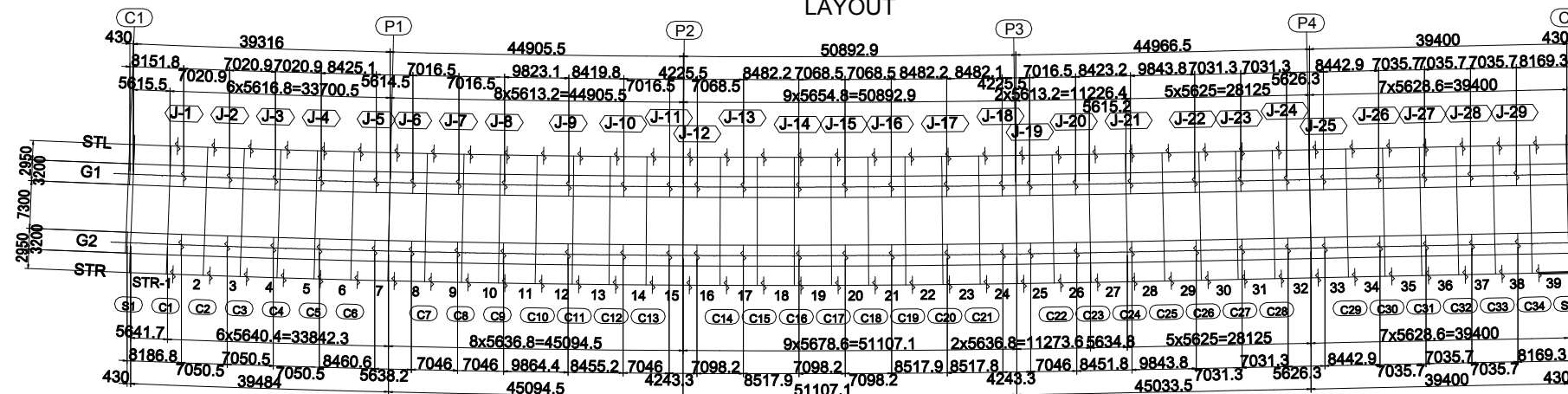
"a"DETAIL A1 1:10,A3 1:20



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

RIVIERA 3
LONGERON (5)
SIDE STRINGER (5)

Indice / Révis	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-RT-TA-074	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
Cn	C1	C2	C3	C4	C5	C6	P1	C7	C8	C9	C10	C11	C12
Cn+1	C2	C3	C4	C5	C6	P1	C7	C8	C9	C10	C11	C12	C13
L1	5650.6	5650.6	5650.6	5650.6	5650.6	5650.6	5647.1	5647.1	5647.1	5647.1	5647.1	5647.1	5647.1
L2	1412.7	1412.7	1412.7	1412.7	1412.7	1412.7	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8
L3	5650.6	5650.6	5650.6	5650.6	5650.6	5650.6	5647.1	5647.1	5647.1	5647.1	5647.1	5647.1	5647.1
Z	337.7	337.7	336.2	319.2	298.1	277	255.7	234.6	213.5	192.4	171.3	150.2	129.1
BF1	251	251	251	251	251	251	251	251	251	251	251	251	251
LF1	5661	5661	5661	5660	5658	5657	5653	5652	5651	5650	5650	5649	5648
WH1	831	831	831	831	831	831	831	831	831	832	832	832	832
WL1	5710	5710	5710	5707	5702	5698	5691	5687	5683	5679	5675	5671	5667
N1	9	9	9	9	9	9	9	9	9	9	9	9	9
N2	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
N3	325.3	325.3	325.3	325.3	325.3	325.3	323.6	323.6	323.6	323.6	323.6	323.6	323.5
N4	325.3	325.3	325.3	325.3	325.3	325.3	323.6	323.6	323.6	323.6	323.6	323.6	323.5
NB1	24	24	24	24	24	24	24	24	24	24	24	24	24

	STR-15	STR-16	STR-17	STR-18	STR-19	STR-20	STR-21	STR-22	STR-23	STR-24	STR-25	STR-26
Cn	C13	P2	C14	C15	C16	C17	C18	C19	C20	C21	P3	C22
Cn+1	P2	C14	C15	C16	C17	C18	C19	C20	C21	P3	C22	C23
L1	5647.1	5688.9	5688.9	5688.9	5688.9	5688.9	5688.9	5688.9	5688.9	5688.9	5647.1	5647.1
L2	1411.8	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1422.2	1411.8	1411.8
L3	5647.1	5688.9	5688.9	5688.9	5688.9	5688.9	5688.9	5688.9	5688.9	5688.9	5647.1	5647.1
Z	108.0	87.5	66.1	44.7	23.3	1.9	-19.5	-40.9	-62.3	-83.7	-104.3	-125.4
BF1	251	251	251	251	251	251	251	251	251	251	251	251
LF1	5648	5690	5689	5689	5689	5689	5689	5689	5689	5690	5648	5648
WH1	832	832	832	832	832	832	832	832	832	832	832	832
WL1	5664	5702	5699	5696	5692	5689	5692	5695	5698	5702	5663	5667
N1	9	9	9	9	9	9	9	9	9	9	9	9
N2	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
N3	323.6	344.5	344.5	344.5	344.5	344.5	344.5	344.5	344.5	344.5	323.6	323.6
N4	323.6	344.5	344.5	344.5	344.5	344.5	344.5	344.5	344.5	344.5	323.6	323.6
NB1	24	24	24	24	24	24	24	24	24	24	24	24

	STR-27	STR-28	STR-29	STR-30	STR-31	STR-32	STR-33	STR-34	STR-35	STR-36	STR-37	STR-38
Cn	C23	C24	C25	C26	C27	C28	P4	C29	C30	C31	C32	C33
Cn+1	C24	C25	C26	C27	C28	P4	C29	C30	C31	C32	C33	C34
L1	5643.3	5625	5625	5625	5625	5625	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6
L2	1410.8	1406.3	1406.3	1406.3	1406.3	1406.3	1407.2	1407.2	1407.2	1407.2	1407.2	1407.2
L3	5643.3	5625	5625	5625	5625	5625	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6
Z	-146.5	-167.6	-188.7	-209.8	-230.9	-252	-273.2	-294.3	-315.5	-334.5	-337.7	-337.7
BF1	251	250	250	250	250	250	250	250	250	250	250	250
LF1	5645	5627	5628	5629	5630	5631	5635	5636	5637	5639	5639	5639
WH1	832	832	832	831	831	831	831	831	831	831	831	831
WL1	5667	5652	5656	5660	5664	5668	5676	5680	5684	5688	5689	5689
N1	9	9	9	9	9	9	9	9	9	9	9	9
N2	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
N3	321.7	312.5	312.5	312.5	312.5	312.5	314.3	314.3	314.3	314.3	314.3	314.3
N4	321.7	312.5	312.5	312.5	312.5	312.5	314.3	314.3	314.3	314.3	314.3	314.3
NB1	24	24	24	24	24	24	24	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
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ORIENTAL CONSULTANTS GLOBAL CO., LTD.
INGÉROSEC CORPORATION

**RIVIERA 3
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 :				
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-RT-TA-075	A	


Coordonne / *Coordinate*

		A1	S1	GE1	C1	C2	C3	C4	C5	C6	P1	C7	C8	C9	C10	C11
L1	X	0.4306	0.5006	1.0302	6.6277	12.2282	17.8292	23.4307	29.0325	34.6347	40.2372	45.8364	51.4359	57.0357	62.6357	68.2358
	Y	10.7914	10.7886	10.7676	10.5519	10.3487	10.1581	9.9801	9.8147	9.6620	9.5218	9.3944	9.2795	9.1773	9.0876	9.0106
	Z	22.9085	22.9127	22.9447	23.2822	23.6199	23.9576	24.2939	24.6131	24.9112	25.1882	25.4439	25.6785	25.8920	26.0844	26.2557
L2	X	0.4107	0.4806	1.0102	6.6090	12.2107	17.8128	23.4154	29.0183	34.6216	40.2252	45.8256	51.4262	57.0271	62.6282	68.2295
	Y	10.2918	10.2890	10.2680	10.0522	9.8490	9.6583	9.4803	9.3149	9.1621	9.0220	8.8945	8.7796	8.6773	8.5877	8.5106
	Z	22.9910	22.9952	23.0271	23.3647	23.7024	24.0401	24.3764	24.6956	24.9937	25.2707	25.5264	25.7610	25.9745	26.1669	26.3382
STL	X	0.3908	0.4607	0.9903	6.5903	12.1931	17.7964	23.4000	29.0041	34.6085	40.2133	45.8148	51.4165	57.0186	62.6208	68.2232
	Y	9.7922	9.7894	9.7684	9.5526	9.3493	9.1586	8.9806	8.8151	8.6623	8.5221	8.3946	8.2797	8.1774	8.0877	8.0106
	Z	23.0035	23.0077	23.0396	23.3772	23.7149	24.0526	24.3889	24.7081	25.0062	25.2832	25.5389	25.7735	25.9870	26.1794	26.3507
	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
	W	22.5535	22.5577	22.5896	22.9272	23.2649	23.6026	23.9389	24.2581	24.5562	24.8332	25.0889	25.3235	25.5370	25.7294	25.9007
G1LU	X	0.2731	0.3431	0.8727	6.4800	12.0895	17.6994	23.3097	28.9204	34.5314	40.1428	45.7510	51.3594	56.9680	62.5769	68.1859
	Y	6.8446	6.8418	6.8207	6.6046	6.4011	6.2102	6.0319	5.8663	5.7133	5.5729	5.4453	5.3303	5.2278	5.1380	5.0609
	Z	23.0773	23.0815	23.1133	23.4510	23.7887	24.1264	24.4626	24.7818	25.0799	25.3569	25.6126	25.8472	26.0607	26.2532	26.4245
	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
	W	22.6273	22.6315	22.6633	23.0010	23.3387	23.6764	24.0126	24.3318	24.6299	24.9069	25.1626	25.3972	25.6107	25.8032	25.9745
G1LL	X	0.2492	0.3191	0.8487	6.4576	12.0684	17.6796	23.2913	28.9033	34.5158	40.1285	45.7380	51.3477	56.9577	62.5680	68.1784
	Y	6.2450	6.2422	6.2212	6.0050	5.8015	5.6105	5.4322	5.2665	5.1135	4.9731	4.8454	4.7304	4.6279	4.5381	4.4609
	Z	23.0923	23.0965	23.1283	23.4660	23.8037	24.1414	24.4776	24.7968	25.0949	25.3719	25.6276	25.8622	26.0757	26.2682	26.4395
G1C	X	0.2093	0.2793	0.8089	6.4202	12.0332	17.6467	23.2607	28.8750	34.4896	40.1046	45.7164	51.3284	56.9406	62.5531	68.1657
	Y	5.2458	5.2430	5.2220	5.0057	4.8021	4.6111	4.4327	4.2670	4.1139	3.9734	3.8457	3.7306	3.6281	3.5382	3.4610
	Z	23.1173	23.1215	23.1533	23.4910	23.8287	24.1664	24.5026	24.8218	25.1199	25.3969	25.6526	25.8872	26.1007	26.2932	26.4645
G1RL	X	0.1695	0.2394	0.7690	6.3828	11.9981	17.6139	23.2300	28.8466	34.4635	40.0807	45.6947	51.3090	56.9235	62.5382	68.1531
	Y	4.2466	4.2438	4.2228	4.0064	3.8027	3.6116	3.4332	3.2674	3.1142	2.9737	2.8459	2.7307	2.6282	2.5383	2.4611
	Z	23.1423	23.1465	23.1783	23.5160	23.8537	24.1914	24.5276	24.8468	25.1449	25.4219	25.6776	25.9122	26.1257	26.3182	26.4895
G1RU	X	0.1455	0.2155	0.7451	6.3604	11.9770	17.5941	23.2116	28.8296	34.4478	40.0664	45.6817	51.2973	56.9132	62.5293	68.1455
	Y	3.6471	3.6443	3.6232	3.4069	3.2031	3.0119	2.8334	2.6676	2.5144	2.3739	2.2460	2.1309	2.0283	1.9384	1.8611
	Z	23.1573	23.1615	23.1933	23.5310	23.8687	24.2064	24.5426	24.8618	25.1599	25.4369	25.6926	25.9272	26.1407	26.3332	26.5045
	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
	W	22.6273	22.6315	22.6633	23.0010	23.3387	23.6764	24.0126	24.3318	24.6299	24.9069	25.1626	25.3972	25.6107	25.8032	25.9745
L3	X	0.0120	0.0819	0.6115	6.2351	11.8593	17.4840	23.1090	28.7345	34.3603	39.9864	45.6093	51.2324	56.8558	62.4794	68.1032
	Y	0.2998	0.2970	0.2759	0.0592	-0.1449	-0.3363	-0.5150	-0.6811	-0.8345	-1.0752	-1.3032	-1.5185	-1.7112	-1.8886	-2.0486
	Z	23.2410	23.2452	23.2770	23.6147	23.9524	24.2901	24.6264	24.9456	25.2437	25.5207	25.7764	26.0110	26.2245	26.4169	26.5882
CL	X	0.0000	0.0699	0.5995	6.2239	11.8488	17.4741	23.0998	28.7260	34.3524	39.9792	45.6028	51.2266	56.8507	62.4749	68.0994
	Y	0.0000	-0.0028	-0.0239	-0.2406	-0.4447	-0.6361	-0.8148	-0.9809	-1.1344	-1.2751	-1.4031	-1.5185	-1.6212	-1.7112	-1.7886
	Z	23.2410	23.2452	23.2770	23.6147	23.9524	24.2901	24.6264	24.9456	25.2437	25.5207	25.7764	26.0110	26.2245	26.4169	26.5882
R3	X	-0.0120	0.0580	0.5876	6.2127	11.8383	17.4642	23.0906	28.7174	34.3446	39.9721	45.5963	51.2208	56.8455	62.4705	68.0956
	Y	-0.2998	-0.3026	-0.3236	-0.5404	-0.7445	-0.9359	-1.1147	-1.2808	-1.4342	-1.5750	-1.7030	-1.8184	-1.9211	-2.0112	-2.0886
	Z	23.2410	23.2452	23.2770	23.6147	23.9524	24.2901	24.6264	24.9456	25.2437	25.5207	25.7764	26.0110	26.2245	26.4169	26.5882
G2LU	X	-0.1455	-0.0756	0.4540	6.0875	11.7206	17.3541	22.9880	28.6224	34.2571	39.8921	45.5238	51.1559	56.7881	62.4106	68.0533
	Y	-3.6471	-3.6499	-3.6709	-3.8880	-4.0924	-4.2841	-4.4631	-4.6295	-4.7831	-4.9241	-5.0523	-5.1678	-5.2706	-5.3608	-5.4383
	Z	23.1573	23.1614	23.1932	23.5310	23.8687	24.2064	24.5426	24.8618	25.1599	25.4369	25.6926	25.9272	26.1407	26.3332	26.5045
	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
	W	22.6273	22.6314	22.6632	23.0010	23.3387	23.6764	24.0126	24.3318	24.6299	24.9069	25.1626	25.3972	25.6107	25.8032	25.9745
G2LL	X	-0.1695	-0.0995	0.4301	6.0650	11.6995	17.3344	22.9696	28.6053	34.2414	39.8778	45.5109	51.1442	56.7779	62.4117	68.0457
	Y	-4.2466	-4.2494	-4.2705	-4.4876	-4.6921	-4.8838	-5.0629	-5.2292	-5.3826	-5.5239	-5.6521	-5.7677	-5.8705	-5.9607	-6.0382
	Z	23.1423	23.1464	23.1782	23.5160	23.8537	24.1914	24.5276	24.8468	25.1449	25.4219	25.6776	25.9122	26.1257	26.3182	26.4895
G2C	X	-0.2093	-0.1394	0.3902	6.0277	11.6643	17.3015	22.9390	28.5769	34.2152	39.8539	45.4892	51.1248	56.7607	62.3968	68.0331
	Y	-5.2458	-5.2486	-5.2697	-5.4869	-5.6914	-5.8833	-6.0624	-6.2288	-6.3826	-6.5236	-6.6519	-6.7675	-6.8704	-6.9606	-7.0382
	Z	23.1173	23.1214	23.1532	23.4910	23.8287	24.1664	24.5026	24.8218	25.1199	25.3969	25.6526	25.8872	26.1007	26.2932	26.4645
G2RL	X	-0.2492	-0.1793	0.3503	5.9903	11.6292	17.2686	22.9084	28.5486	34.1891	39.8300	45.4676	51.1055	56.7436	62.3819	68.0205
	Y	-6.2450	-6.2478	-6.2689	-6.4862	-6.6908	-6.8827	-7.0619	-7.2284	-7.3822	-7.5233	-7.6516	-7.7673	-7.8702	-7.9605	-8.0381
	Z	23.0923	23.0964	23.1282	23.4660	23.8037	24.1414	24.4776	24.7968	25.0949	25.3719	25.6276	25.8622	26.0757	26.2682	26.4395
G2RU	X	-0.2731	-0.2032	0.3264	5.9678	11.6081	17.2489	22.8900	28.5315	34.1734	39.8157	45.4546	51.0938	56.7333	62.3730	68.0129
	Y	-6.8446	-6.8473	-6.8684	-7.0858	-7.2905	-7.4824	-7.6616	-7.8282	-7.9820	-8.1231	-8.2515	-8.3672	-8.4701	-8.5604	-8.6380
	Z	23.0773	23.0814	23.1132	23.4510	23.7887	24.1264	24.4626	24.7818	25.0799	25.3569	25.6126	25.8472	26.0607	26.2532	26.4245
	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
	W	22.6273	22.6314	22.6632	23.0010	23.3387	23.6764	24.0126	24.3318	24.6299	24.9069	25.1626	25.3972	25.6107	25.8032	25.9745
STR	X	-0.3908	-0.3208	0.2088	5.8576	11.5045	17.1519	22.7996	28.4478	34.0963	39.7452	45.3908	51.0367	56.6828	62.3291	67.9756
	Y	-9.7922	-9.7950	-9.8161	-10.0337	-10.2386	-10.4308	-10.6102	-10.7770	-10.9310	-11.0723	-11.2008	-11.3166	-11.4197	-11.5101	-11.5878
	Z	23.0035	23.0077	23.0394	23.3772	23.7149	24.0526	24.3889	24.7081	25.0062	25.2832	25.5389	25.7735	25.9870	26.1794	26.3507
	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
	W	22.5535	22.5577	22.5894	22.9272	23.2649	23.6026	23.9389	24.2581	24.5562	24.8332	25.0889	25.3235	25.5370	25.7294	25.9007
R2	X	-0.4107	-0.3407	0.1888	5.8389	11.4869	17.1354	22.7843	28.4336	34.0833	39.7333	45.3800	51.0270	56.6742	62.3216	67.9693
	Y	-10.2918	-10.2946	-10.3157	-10.5334	-10.7383	-10.9305	-11.1100	-11.2768	-11.4308	-11.5722	-11.7007	-11.8165	-11.9196	-12.0101	-12.0878

Coordonne / *Coordinate*

		C12	C13	P2	C14	C15	C16	C17	C18	C19	C20	C21	P3	C22	C23	C24
L1	X	73.8362	79.4366	85.0372	90.6793	96.3215	101.9637	107.6058	113.2480	118.8900	124.5320	130.1738	135.8155	141.4155	147.0153	152.6190
	Y	8.9461	8.8942	8.8550	8.8282	8.8142	8.8130	8.8245	8.8489	8.8860	8.9360	8.9987	9.0742	9.1618	9.2620	9.3747
	Z	26.4060	26.5351	26.6432	26.7307	26.7968	26.8415	26.8648	26.8667	26.8472	26.8062	26.7439	26.6602	26.5559	26.4305	26.2840
L2	X	73.8310	79.4326	85.0343	90.6775	96.3208	101.9641	107.6074	113.2507	118.8939	124.5370	130.1800	135.8228	141.4239	147.0248	152.6294
	Y	8.4461	8.3943	8.3550	8.3282	8.3142	8.3130	8.3245	8.3489	8.3860	8.4360	8.4987	8.5742	8.6619	8.7621	8.8748
	Z	26.4885	26.6176	26.7257	26.8132	26.8793	26.9240	26.9473	26.9492	26.9297	26.8887	26.8264	26.7427	26.6384	26.5130	26.3665
STL	X	73.8258	79.4285	85.0313	90.6757	96.3201	101.9646	107.6090	113.2534	118.8978	124.5420	130.1861	135.8300	141.4323	147.0344	152.6399
	Y	7.9462	7.8943	7.8550	7.8282	7.8142	7.8130	7.8245	7.8489	7.8861	7.9360	7.9988	8.0743	8.1619	8.2622	8.3749
	Z	26.5010	26.6301	26.7382	26.8257	26.8918	26.9365	26.9598	26.9617	26.9422	26.9012	26.8389	26.7552	26.6509	26.5255	26.3790
	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
	W	26.0510	26.1801	26.2882	26.3757	26.4418	26.4865	26.5098	26.5117	26.4922	26.4512	26.3889	26.3052	26.2009	26.0755	25.9290
G1LU	X	73.7952	79.4045	85.0140	90.6650	96.3161	101.9673	107.6184	113.2695	118.9205	124.5714	130.2222	135.8729	141.4818	147.0904	152.7015
	Y	4.9963	4.9444	4.9051	4.8782	4.8642	4.8630	4.8745	4.8989	4.9361	4.9862	5.0490	5.1246	5.2123	5.3127	5.4256
	Z	26.5747	26.7039	26.8119	26.8994	26.9655	27.0103	27.0335	27.0354	27.0159	26.9750	26.9127	26.8289	26.7246	26.5992	26.4527
	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
G1LL	X	73.7889	79.3996	85.0104	90.6629	96.3153	101.9678	107.6203	113.2728	118.9251	124.5774	130.2296	135.8816	141.4918	147.1019	152.7140
	Y	4.3963	4.3444	4.3051	4.2782	4.2642	4.2630	4.2746	4.2990	4.3362	4.3862	4.4490	4.5247	4.6124	4.7128	4.8257
	Z	26.5897	26.7189	26.8269	26.9144	26.9805	27.0253	27.0485	27.0504	27.0309	26.9900	26.9277	26.8439	26.7396	26.6142	26.4677
G1C	X	73.7785	79.3915	85.0045	90.6592	96.3140	101.9688	107.6235	113.2782	118.9329	124.5874	130.2418	135.8961	141.5086	147.1209	152.7349
	Y	3.3964	3.3444	3.3051	3.2782	3.2642	3.2630	3.2746	3.2990	3.3362	3.3862	3.4491	3.5248	3.6126	3.7130	3.8259
	Z	26.6147	26.7439	26.8519	26.9394	27.0055	27.0503	27.0735	27.0754	27.0559	27.0150	26.9527	26.8689	26.7646	26.6392	26.4927
G1RL	X	73.7682	79.3834	84.9987	90.6556	96.3126	101.9697	107.6267	113.2837	118.9406	124.5974	130.2541	135.9106	141.5253	147.1399	152.7558
	Y	2.3965	2.3445	2.3051	2.2782	2.2642	2.2630	2.2746	2.2990	2.3362	2.3862	2.4492	2.5249	2.6127	2.7132	2.8261
	Z	26.6397	26.7689	26.8769	26.9644	27.0305	27.0753	27.0985	27.1004	27.0809	27.0400	26.9777	26.8939	26.7896	26.6642	26.5177
G1RU	X	73.7619	79.3785	84.9951	90.6535	96.3118	101.9702	107.6286	113.2869	118.9452	124.6034	130.2614	135.9193	141.5354	147.1513	152.7683
	Y	1.7965	1.7445	1.7051	1.6782	1.6642	1.6630	1.6746	1.6990	1.7362	1.7863	1.8492	1.9249	2.0128	2.1133	2.2263
	Z	26.6547	26.7839	26.8919	26.9794	27.0455	27.0903	27.1135	27.1154	27.0959	27.0550	26.9927	26.9089	26.8046	26.6792	26.5327
	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
L3	X	73.7271	79.3512	84.9754	90.6413	96.3073	101.9733	107.6393	113.3052	118.9711	124.6368	130.3025	135.9679	141.5916	147.2150	152.8383
	Y	-1.5533	-1.6054	-1.6448	-1.6717	-1.6858	-1.6870	-1.6754	-1.6510	-1.6137	-1.5635	-1.5005	-1.4247	-1.3367	-1.2361	-1.1230
	Z	26.7385	26.8676	26.9757	27.0632	27.1293	27.1740	27.1973	27.1992	27.1797	27.1387	27.0764	26.9927	26.8884	26.7630	26.6165
CL	X	73.7240	79.3488	84.9737	90.6403	96.3069	101.9736	107.6402	113.3068	118.9734	124.6398	130.3061	135.9723	141.5966	147.2207	152.8446
	Y	-1.8533	-1.9054	-1.9448	-1.9717	-1.9858	-1.9870	-1.9754	-1.9510	-1.9136	-1.8635	-1.8005	-1.7247	-1.6367	-1.5361	-1.4229
	Z	26.7385	26.8676	26.9757	27.0632	27.1293	27.1740	27.1973	27.1992	27.1797	27.1387	27.0764	26.9927	26.8884	26.7630	26.6165
R3	X	73.7209	79.3464	84.9719	90.6392	96.3065	101.9738	107.6412	113.3085	118.9757	124.6428	130.3098	135.9766	141.6016	147.2264	152.8508
	Y	-2.1533	-2.2054	-2.2448	-2.2717	-2.2858	-2.2870	-2.2754	-2.2510	-2.2136	-2.1635	-2.1005	-2.0246	-1.9366	-1.8360	-1.7229
	Z	26.7385	26.8676	26.9757	27.0632	27.1293	27.1740	27.1973	27.1992	27.1797	27.1387	27.0764	26.9927	26.8884	26.7630	26.6165
G2LU	X	73.6861	79.3191	84.9522	90.6271	96.3020	101.9769	107.6518	113.3267	119.0015	124.6763	130.3508	136.0253	141.6578	147.2901	152.9208
	Y	-5.5031	-5.5552	-5.5948	-5.6217	-5.6358	-5.6370	-5.6254	-5.6009	-5.5635	-5.5133	-5.4502	-5.3743	-5.2862	-5.1854	-5.0721
	Z	26.6547	26.7839	26.8919	26.9794	27.0455	27.0903	27.1135	27.1154	27.0959	27.0550	26.9927	26.9089	26.8046	26.6792	26.5327
G2LL	X	73.6799	79.3142	84.9486	90.6249	96.3012	101.9775	107.6538	113.3300	119.0062	124.6822	130.3582	136.0340	141.6679	147.3015	152.9333
	Y	-6.1031	-6.1553	-6.1947	-6.2217	-6.2358	-6.2370	-6.2254	-6.2009	-6.1635	-6.1133	-6.0502	-5.9742	-5.8861	-5.7853	-5.6720
	Z	26.6397	26.7689	26.8769	26.9644	27.0305	27.0753	27.0985	27.1004	27.0809	27.0400	26.9777	26.8939	26.7896	26.6642	26.5177
G2C	X	73.6695	79.3061	84.9428	90.6213	96.2998	101.9784	107.6569	113.3354	119.0139	124.6922	130.3704	136.0485	141.6846	147.3205	152.9542
	Y	-7.1030	-7.1552	-7.1947	-7.2217	-7.2358	-7.2370	-7.2254	-7.2009	-7.1635	-7.1133	-7.0502	-6.9741	-6.8860	-6.7851	-6.6718
	Z	26.6147	26.7439	26.8519	26.9394	27.0055	27.0503	27.0735	27.0754	27.0559	27.0150	26.9527	26.8689	26.7646	26.6392	26.4927
G2RL	X	73.6591	79.2980	84.9369	90.6177	96.2985	101.9793	107.6601	113.3409	119.0216	124.7022	130.3827	136.0630	141.7014	147.3395	152.9751
	Y	-8.1030	-8.1552	-8.1947	-8.2217	-8.2358	-8.2370	-8.2254	-8.2009	-8.1635	-8.1133	-8.0502	-7.9740	-7.8858	-7.7849	-7.6716
	Z	26.5897	26.7189	26.8269	26.9144	26.9805	27.0253	27.0485	27.0504	27.0309	26.9900	26.9277	26.8439	26.7396	26.6142	26.4677
G2RU	X	73.6529	79.2931	84.9334	90.6155	96.2977	101.9798	107.6620	113.3442	119.0262	124.7082	130.3900	136.0717	141.7115	147.3510	152.9876
	Y	-8.7029	-8.7552	-8.7947	-8.8217	-8.8358	-8.8370	-8.8254	-8.8009	-8.7634	-8.7132	-8.6500	-8.5739	-8.4857	-8.3848	-8.2714
	Z	26.5747	26.7039	26.8119	26.8994	26.9655	27.0103	27.0335	27.0354	27.0159	26.9750	26.9127	26.8289	26.7246	26.5992	26.4527
	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
STR	X	73.6223	79.2691	84.9160	90.6048	96.2937	101.9826	107.6714	113.3602	119.0490	124.7377	130.4262	136.1146	141.7609	147.4071	153.0493
	Y	-11.6528	-11.7051	-11.7446	-11.7717	-11.7858	-11.7870	-11.7754	-11.7508	-11.7134	-11.6630	-11.5998	-11.5236	-11.4353	-11.3343	-11.2208
	Z	26.5010	26.6301	26.7382	26.8257	26.8918	26.9365	26.9598	26.9617	26.9422	26.9012	26.8389	26.7552	26.6509	26.5255	26.3790
R2	X	73.6171	79.2650	84.9131	90.6030	96.2930	101.9830	107.6730	113.3630	119.0529	124.7426	130.4323	136.1218	141.7693	147.4166	153.0597
	Y	-12.1528	-12.2051	-12.2446	-12.2717	-12.2858	-12.2870	-12.2754	-12.2508	-12.2133	-12.1630	-12.0997	-12.0236	-11.9352	-11.8342	-11.7207
	Z	26.4885	26.6176	26.7257	26.8132	26.8793	26.9240	26.9473	26.9492	26.9297	26.8887	26.8264	26.7427	26.6384	26.5130	26.3665
R1	X	73.6119	79.2610	84.9101	90.6012	96.2923	101.9835	107.6746	113.3657	119.0567	124.7476	130.4384	136.1291	141.7777	147.4261	153.0701
	Y	-12.6527	-12.7050	-12.7446	-12.7717	-12.7858	-12.7870	-12.7754	-12.7508	-12.7133	-12.6630	-12.5997	-12.5235	-12.4352	-12.3341	-12.2206
	Z	26.4060	26.5351	26.6432	26.7307	26.7968	26.8415	26.8648	26.8667	26.8472	26.8062	26.7439	26.6602	26.5559	26.4305	26.2840

NOTE ; H : Epaisseur de Renformis *Haunch thickness*

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN					
		REPUBLIQUE DE COTE D'IVOIRE Ministère de l'Équipement et de l'Entretien Routier			

Coordonne / Coordinate

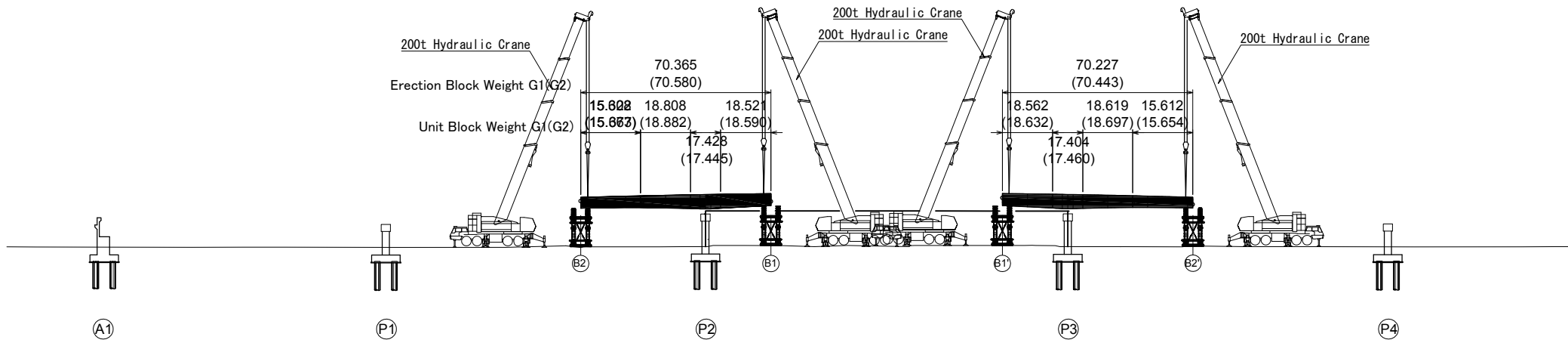
		C25	C26	C27	C28	P4	C29	C30	C31	C32	C33	C34	S2	GE2	A2
L1	X	158.2428	163.8665	169.4903	175.1141	180.7378	186.3652	191.9925	197.6199	203.2472	208.8746	214.5019	220.1293	220.6591	220.7291
	Y	9.4922	9.6097	9.7272	9.8447	9.9622	10.0797	10.1973	10.3149	10.4324	10.5500	10.6675	10.7851	10.7962	10.7976
	Z	26.1164	25.9277	25.7180	25.4871	25.2352	24.9619	24.6676	24.3521	24.0176	23.6799	23.3422	23.0045	22.9727	22.9685
L2	X	158.2532	163.8770	169.5007	175.1245	180.7483	186.3756	192.0030	197.6303	203.2577	208.8850	214.5124	220.1397	220.6696	220.7396
	Y	8.9923	9.1098	9.2273	9.3448	9.4623	9.5798	9.6974	9.8150	9.9325	10.0501	10.1677	10.2852	10.2963	10.2978
	Z	26.1989	26.0102	25.8005	25.5696	25.3177	25.0444	24.7501	24.4346	24.1001	23.7624	23.4247	23.0870	23.0552	23.0510
STL	X	158.2636	163.8874	169.5112	175.1350	180.7587	186.3861	192.0134	197.6408	203.2681	208.8955	214.5228	220.1501	220.6800	220.7500
	Y	8.4924	8.6099	8.7274	8.8449	8.9624	9.0799	9.1975	9.3151	9.4326	9.5502	9.6678	9.7853	9.7964	9.7979
	Z	26.2114	26.0227	25.8130	25.5821	25.3302	25.0569	24.7626	24.4471	24.1126	23.7749	23.4372	23.0995	23.0677	23.0635
G1LU	X	158.3253	163.9490	169.5728	175.1966	180.8204	186.4477	192.0750	197.7024	203.3297	208.9571	214.5844	220.2118	220.7416	220.8116
	Y	5.5431	5.6605	5.7780	5.8955	6.0130	6.1306	6.2481	6.3657	6.4833	6.6008	6.7184	6.8360	6.8470	6.8485
	Z	26.2852	26.0965	25.8867	25.6559	25.4039	25.1307	24.8363	24.5209	24.1864	23.8487	23.5110	23.1733	23.1415	23.1373
G1LL	X	158.3378	163.9616	169.5853	175.2091	180.8329	186.4602	192.0876	197.7149	203.3423	208.9696	214.5969	220.2243	220.7542	220.8242
	Y	4.9432	5.0607	5.1782	5.2957	5.4131	5.5307	5.6483	5.7658	5.8834	6.0010	6.1185	6.2361	6.2472	6.2486
	Z	26.3002	26.1115	25.9017	25.6709	25.4189	25.1457	24.8513	24.5359	24.2014	23.8637	23.5260	23.1883	23.1565	23.1523
G1C	X	158.3587	163.9825	169.6062	175.2300	180.8538	186.4811	192.1085	197.7358	203.3631	208.9905	214.6178	220.2452	220.7751	220.8450
	Y	3.9434	4.0609	4.1784	4.2959	4.4134	4.5309	4.6485	4.7661	4.8836	5.0012	5.1188	5.2363	5.2474	5.2489
	Z	26.3252	26.1365	25.9267	25.6959	25.4439	25.1707	24.8763	24.5609	24.2264	23.8887	23.5510	23.2133	23.1815	23.1773
G1RL	X	158.3796	164.0033	169.6271	175.2509	180.8747	186.5020	192.1293	197.7567	203.3840	209.0114	214.6387	220.2661	220.7959	220.8659
	Y	2.9436	3.0611	3.1786	3.2961	3.4136	3.5311	3.6487	3.7663	3.8838	4.0014	4.1190	4.2365	4.2476	4.2491
	Z	26.3502	26.1615	25.9517	25.7209	25.4689	25.1957	24.9013	24.5859	24.2514	23.9137	23.5760	23.2383	23.2065	23.2023
G1RU	X	158.3921	164.0159	169.6396	175.2634	180.8872	186.5145	192.1419	197.7692	203.3966	209.0239	214.6513	220.2786	220.8085	220.8785
	Y	2.3438	2.4612	2.5787	2.6962	2.8137	2.9312	3.0488	3.1664	3.2840	3.4015	3.5191	3.6367	3.6477	3.6492
	Z	26.3652	26.1765	25.9667	25.7359	25.4839	25.2107	24.9163	24.6009	24.2664	23.9287	23.5910	23.2533	23.2215	23.2173
L3	X	158.4621	164.0858	169.7096	175.3334	180.9572	186.5845	192.2118	197.8392	203.4665	209.0939	214.7212	220.3486	220.8785	220.9484
	Y	-1.0055	-0.8880	-0.7705	-0.6530	-0.5356	-0.4180	-0.3004	-0.1829	-0.0653	0.0523	0.1698	0.2874	0.2985	0.2999
	Z	26.4489	26.2602	26.0505	25.8196	25.5677	25.2944	25.0001	24.6846	24.3501	24.0124	23.6747	23.3370	23.3052	23.3010
CL	X	158.4683	164.0921	169.7159	175.3397	180.9634	186.5908	192.2181	197.8455	203.4728	209.1001	214.7275	220.3548	220.8847	220.9547
	Y	-1.3055	-1.1880	-1.0705	-0.9530	-0.8355	-0.7179	-0.6004	-0.4828	-0.3652	-0.2477	-0.1301	-0.0125	-0.0015	0.0000
	Z	26.4489	26.2602	26.0505	25.8196	25.5677	25.2944	25.0001	24.6846	24.3501	24.0124	23.6747	23.3370	23.3052	23.3010
R3	X	158.4746	164.0984	169.7221	175.3459	180.9697	186.5970	192.2244	197.8517	203.4791	209.1064	214.7338	220.3611	220.8910	220.9610
	Y	-1.6054	-1.4879	-1.3704	-1.2529	-1.1354	-1.0179	-0.9003	-0.7827	-0.6652	-0.5476	-0.4300	-0.3125	-0.3014	-0.2999
	Z	26.4489	26.2602	26.0505	25.8196	25.5677	25.2944	25.0001	24.6846	24.3501	24.0124	23.6747	23.3370	23.3052	23.3010
G2LU	X	158.5446	164.1683	169.7921	175.4159	181.0397	186.6670	192.2944	197.9217	203.5490	209.1764	214.8037	220.4311	220.9610	221.0309
	Y	-4.9547	-4.8372	-4.7197	-4.6022	-4.4847	-4.3671	-4.2496	-4.1320	-4.0144	-3.8969	-3.7793	-3.6617	-3.6507	-3.6492
	Z	26.3652	26.1765	25.9667	25.7359	25.4839	25.2107	24.9163	24.6009	24.2664	23.9287	23.5910	23.2533	23.2215	23.2173
G2LL	X	158.5571	164.1809	169.8047	175.4284	181.0522	186.6795	192.3069	197.9342	203.5616	209.1889	214.8163	220.4436	220.9735	221.0435
	Y	-5.5545	-5.4370	-5.3195	-5.2021	-5.0846	-4.9670	-4.8494	-4.7319	-4.6143	-4.4967	-4.3792	-4.2616	-4.2505	-4.2491
	Z	26.3502	26.1615	25.9517	25.7209	25.4689	25.1957	24.9013	24.5859	24.2514	23.9137	23.5760	23.2383	23.2065	23.2023
G2C	X	158.5780	164.2018	169.8255	175.4493	181.0731	186.7004	192.3278	197.9551	203.5825	209.2098	214.8371	220.4645	220.9944	221.0644
	Y	-6.5543	-6.4368	-6.3193	-6.2018	-6.0843	-5.9668	-5.8492	-5.7316	-5.6141	-5.4965	-5.3790	-5.2614	-5.2503	-5.2489
	Z	26.3252	26.1365	25.9267	25.6959	25.4439	25.1707	24.8763	24.5609	24.2264	23.8887	23.5510	23.2133	23.1815	23.1773
G2RL	X	158.5989	164.2227	169.8464	175.4702	181.0940	186.7213	192.3487	197.9760	203.6033	209.2307	214.8580	220.4854	221.0153	221.0852
	Y	-7.5541	-7.4366	-7.3191	-7.2016	-7.0841	-6.9666	-6.8490	-6.7314	-6.6139	-6.4963	-6.3787	-6.2612	-6.2501	-6.2486
	Z	26.3002	26.1115	25.9017	25.6709	25.4189	25.1457	24.8513	24.5359	24.2014	23.8637	23.5260	23.1883	23.1565	23.1523
G2RU	X	158.6114	164.2352	169.8590	175.4827	181.1065	186.7338	192.3612	197.9885	203.6159	209.2432	214.8706	220.4979	221.0278	221.0978
	Y	-8.1540	-8.0365	-7.9190	-7.8015	-7.6840	-7.5664	-7.4489	-7.3313	-7.2137	-7.0962	-6.9786	-6.8610	-6.8500	-6.8485
	Z	26.2852	26.0965	25.8867	25.6559	25.4039	25.1307	24.8363	24.5209	24.1864	23.8487	23.5110	23.1733	23.1415	23.1373
STR	X	158.6835	164.3072	169.9310	175.5548	181.1786	186.8059	192.4333	198.0606	203.6879	209.3153	214.9426	220.5700	221.0999	221.1698
	Y	-11.6032	-11.4857	-11.3682	-11.2507	-11.1332	-11.0157	-10.8981	-10.7805	-10.6630	-10.5454	-10.4279	-10.3103	-10.2992	-10.2978
	Z	26.1989	26.0102	25.8005	25.5696	25.3177	25.0444	24.7501	24.4346	24.1001	23.7624	23.4247	23.0870	23.0552	23.0510
R1	X	158.6939	164.3177	169.9415	175.5652	181.1890	186.8164	192.4437	198.0710	203.6984	209.3257	214.9531	220.5804	221.1103	221.1803
	Y	-12.1031	-11.9856	-11.8681	-11.7506	-11.6331	-11.5156	-11.3980	-11.2804	-11.1629	-11.0453	-10.9277	-10.8102	-10.7991	-10.7976
	Z	26.1164	25.9277	25.7180	25.4871	25.2352	24.9619	24.6676	24.3521	24.0176	23.6799	23.3422	23.0045	22.9727	22.9685

NOTE ; H : Epaisseur de Renformis *Haunch thickness*

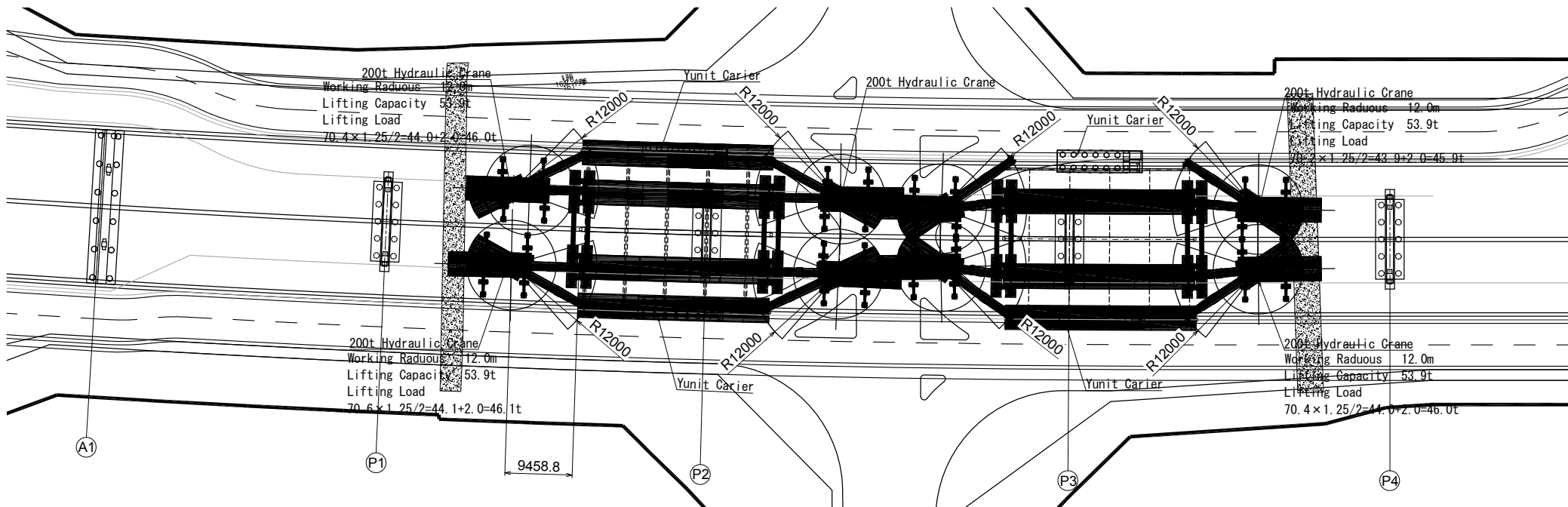
PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN						
		REPUBLICUE DE COTE D'IVOIRE				
Ministère de l'Équipement et de l'Entretien Routier						
		AGENCE DE GESTION DES ROUTES				
		AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE / JAPAN INTERNATIONAL COOPERATION AGENCY				
		ORIENTAL CONSULTANTS GLOBAL CO., LTD.				
		INGÉROSEC CORPORATION				
RIVIERA3						
TABLE DE COORDONNÉES(3)						
COORDINATE TABLE(3)						
Indice <i>Index</i>	Date <i>Date</i>	Préparé par <i>Prepared by</i>	Véifié par <i>Checked by</i>	Approuvé par <i>Approved by</i>	Description <i>Description</i>	Statut <i>Status</i>
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT
Format : A3 Fichier/ File :						
Emetteur <i>Author</i>	Localisation <i>Location</i>	Type d'ouvrage -Activité <i>Type of structure -Activity</i>	Type de document <i>Type of document</i>	N° <i>No.</i>	Indice <i>Index</i>	
OCC,ISEC	BFM	PONT	DESSINS	H-RT-TA-078	A	

(STEP 1)

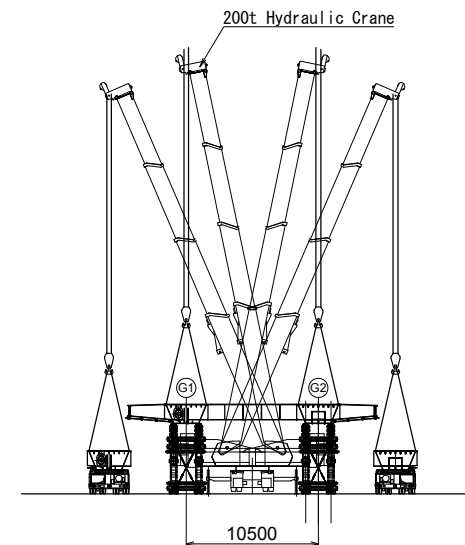
SIDE VIEW S=1:400



PLAN VIEW S=1:400



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 作業半径	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			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

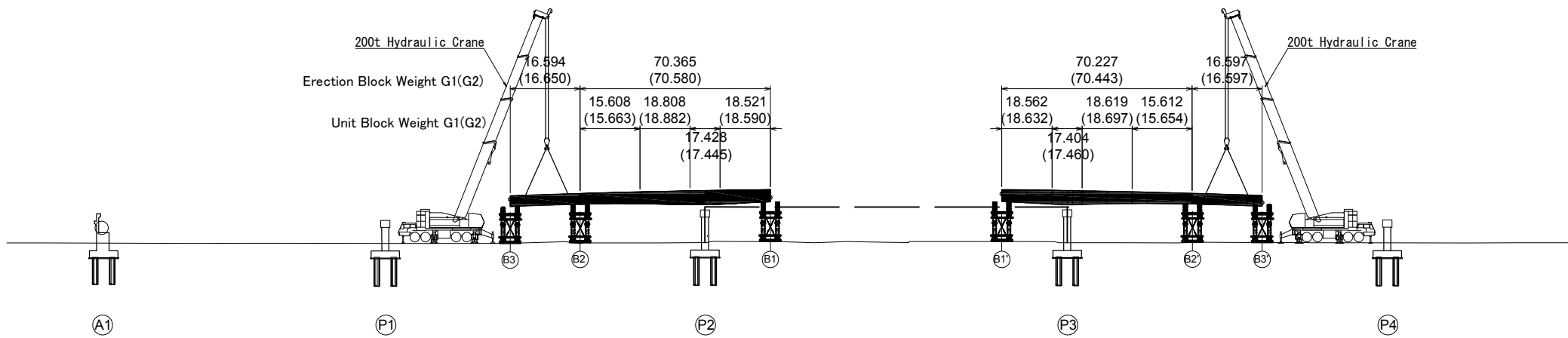
**RIVIERA 3
PLAN D'ÉRECTION - (1)
ERECTION PLAN (1)**

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

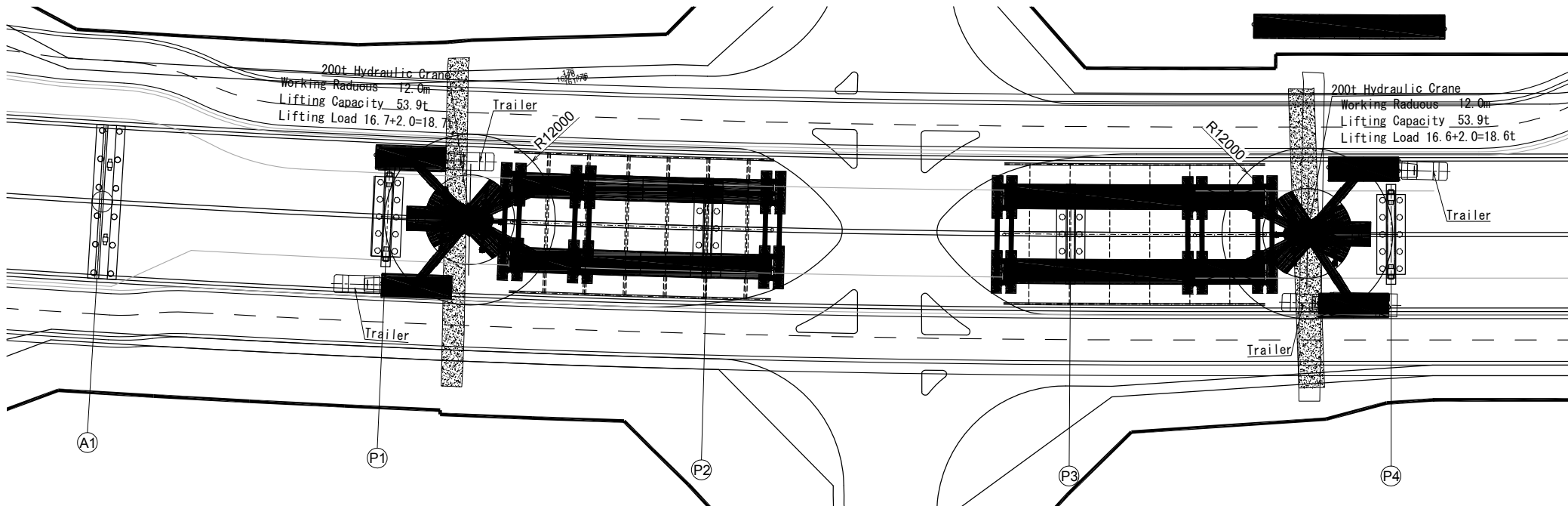
Format	A1	Fichier/ File :				
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCG,ISEC	BFM	PONT	DESSINS	H-RT-TA-079	A	

(STEP 2)

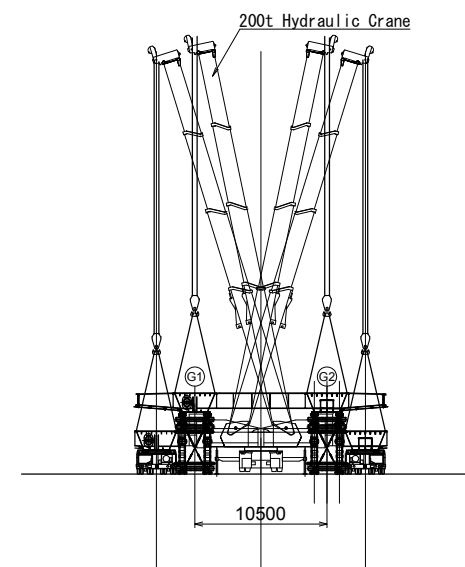
SIDE VIEW S=1:400



PLAN VIEW S=1:400



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 作業半径	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			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

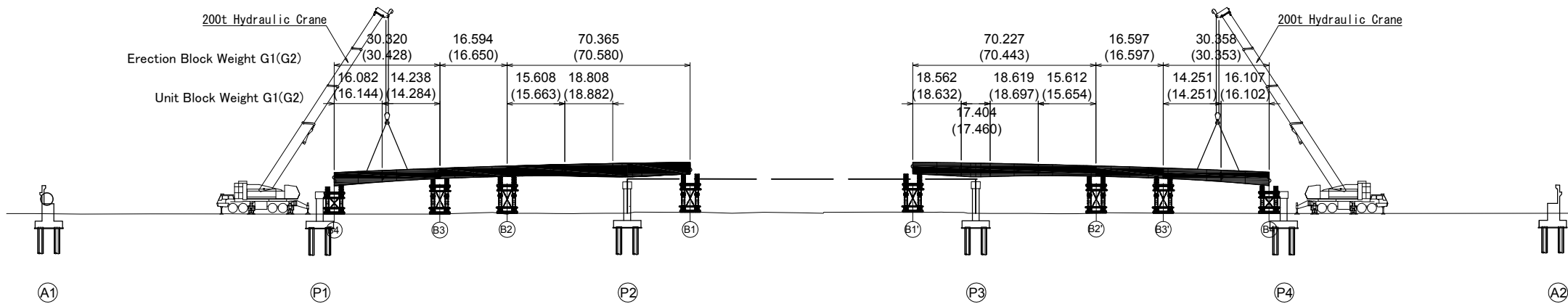
RIVIERA 3
PLAN D'ÉRECTION - (2)
ERECTION PLAN (2)

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

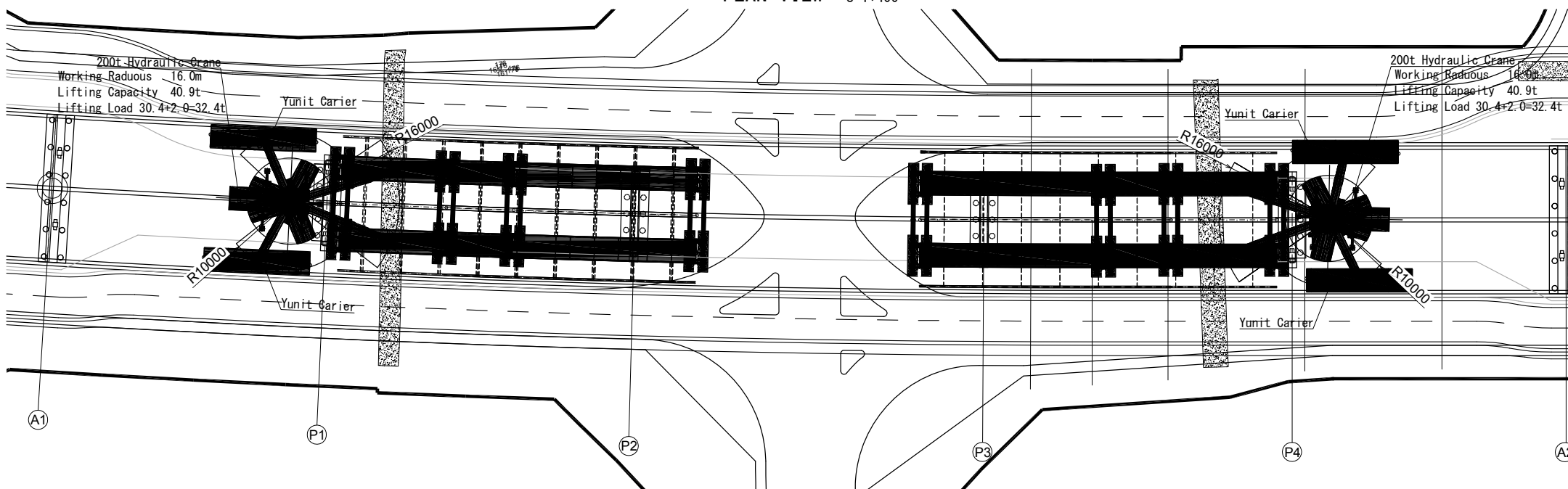
Emetteur Issuer	Localisation Location	Type d'ouvrage -Activité Type of structure -Activity	Type de document Type of document	N° No.	Indice Index
OCG,ISEC	BFM	PONT	DESSINS	H-RT-TA-080	A

(STEP 3)

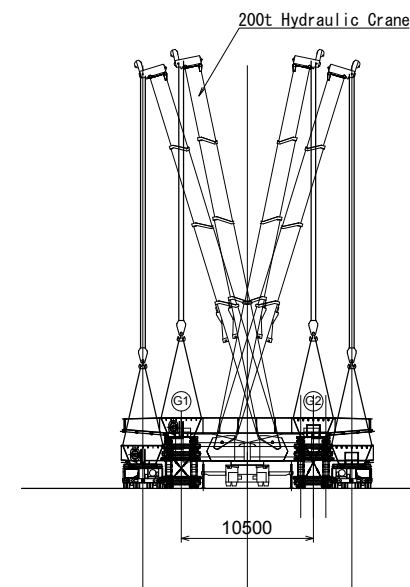
SIDE VIEW S=1:400



PLAN VIEW S=1:400



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 作業半径	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			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



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REPUBLIQUE DE COTE D'IVOIRE
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AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

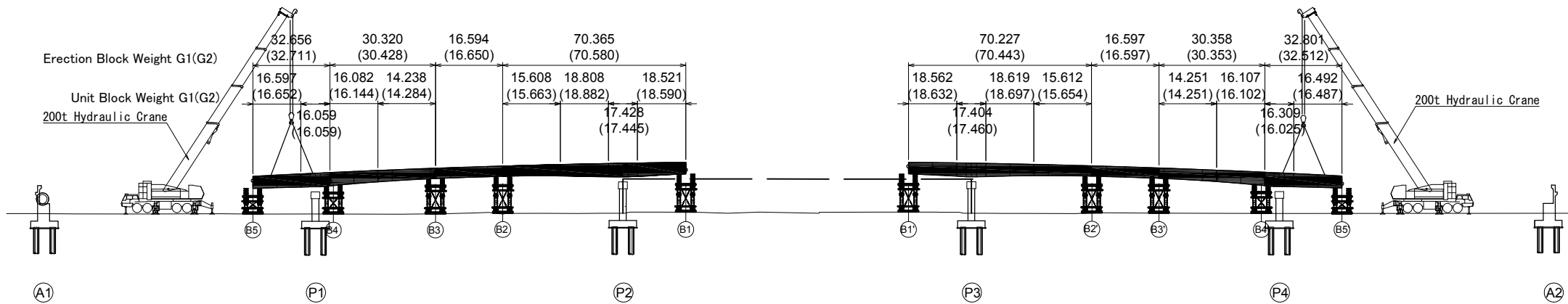
RIVIERA 3
PLAN D'ÉRECTION - (3)
ERECTION PLAN (3)

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

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-RT-TA-081	A

(STEP 4)

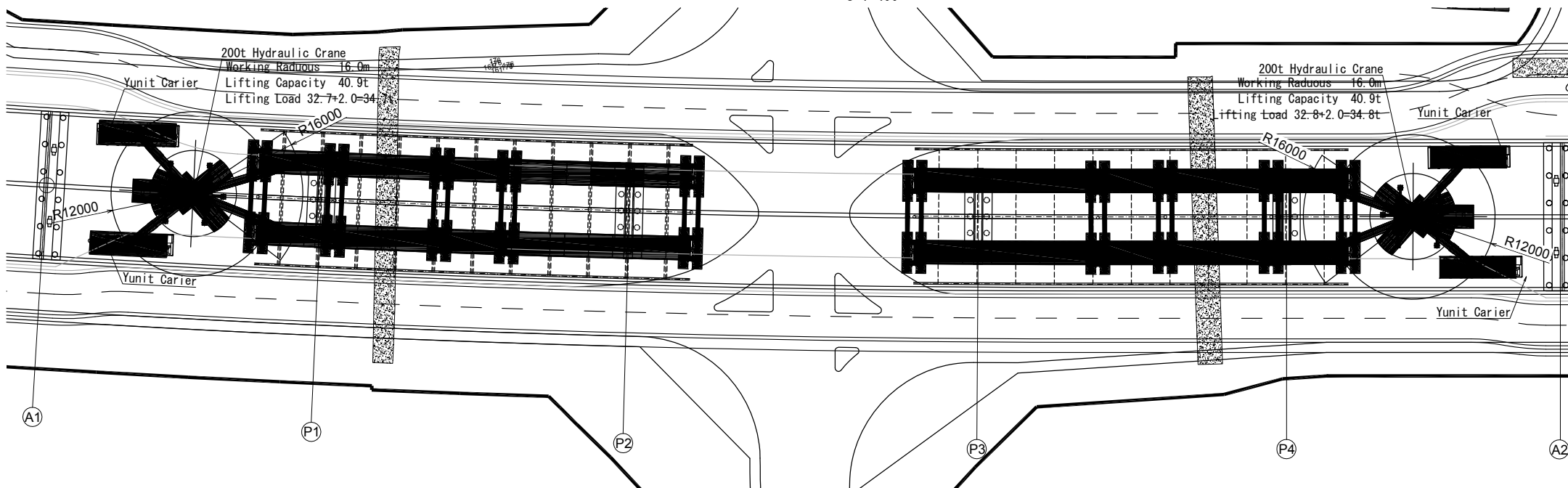
SIDE VIEW S=1:400



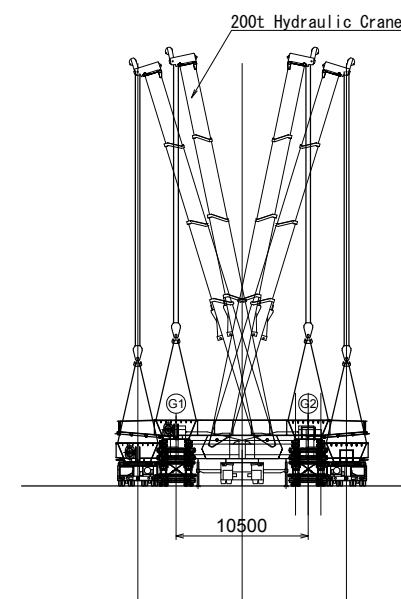
200t吊油圧式トラッククレーン定格荷重表

ブーム長 作業半径	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			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

PLAN VIEW S=1:400



SECTION VIEW S=1:300



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



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AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



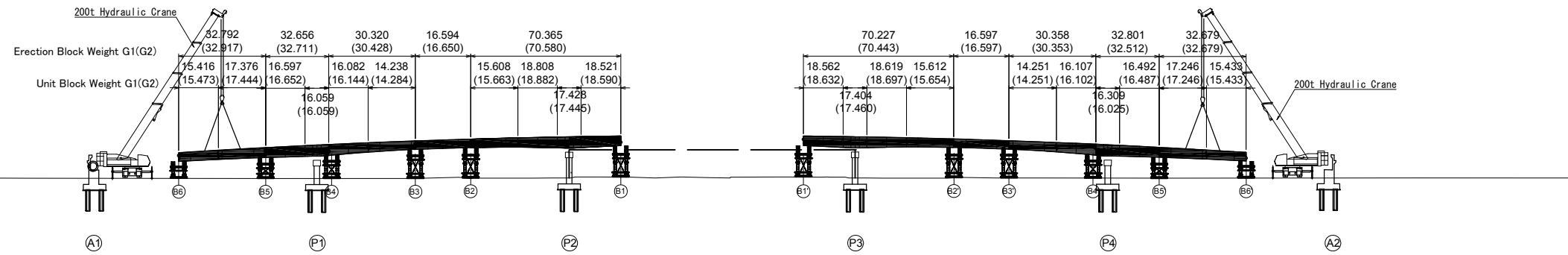
INGÉROSEC CORPORATION

RIVIERA 3
PLAN D'ÉRECTION - (4)
ERECTION PLAN (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

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-RT-TA-082	A

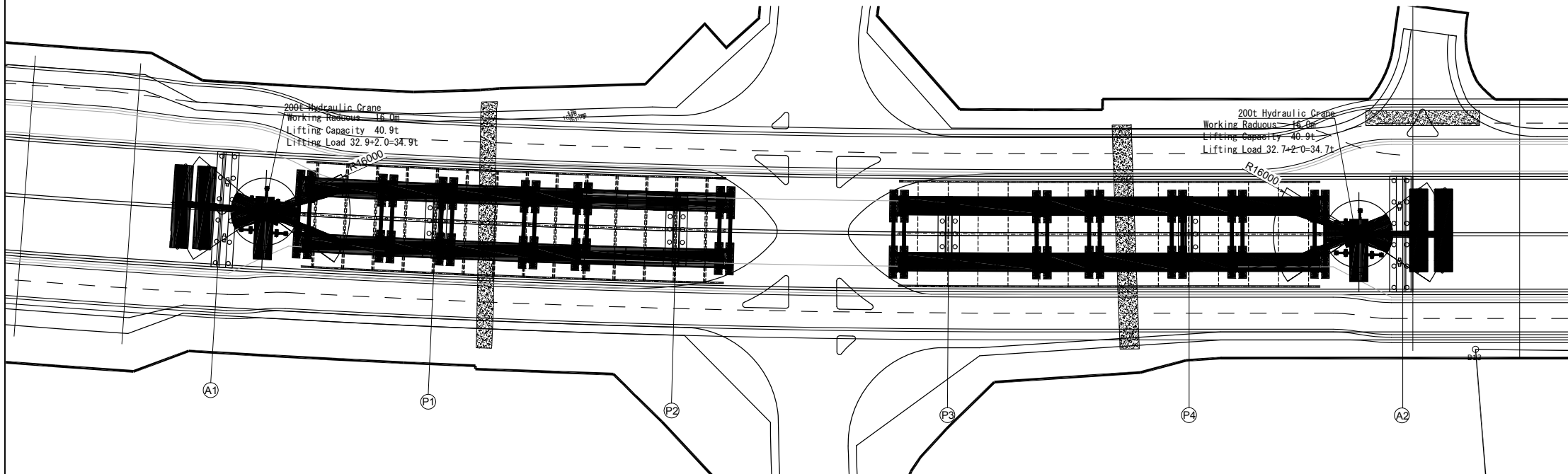
(STEP 5)
SIDE VIEW S=1:500



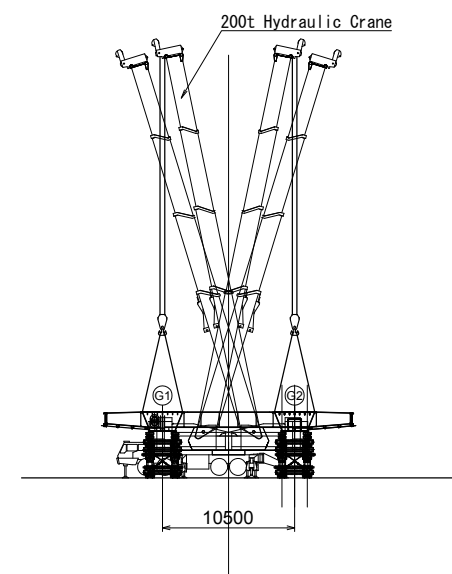
200t吊油圧式トラッククレーン定格荷重表

ブーム長 作業半径	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			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

PLAN VIEW S=1:500



SECTION VIEW S=1:300



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



CONCEDANT
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AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

RIVIERA 3
PLAN D'ÉRECTION - (5)
ERECTION PLAN (5)

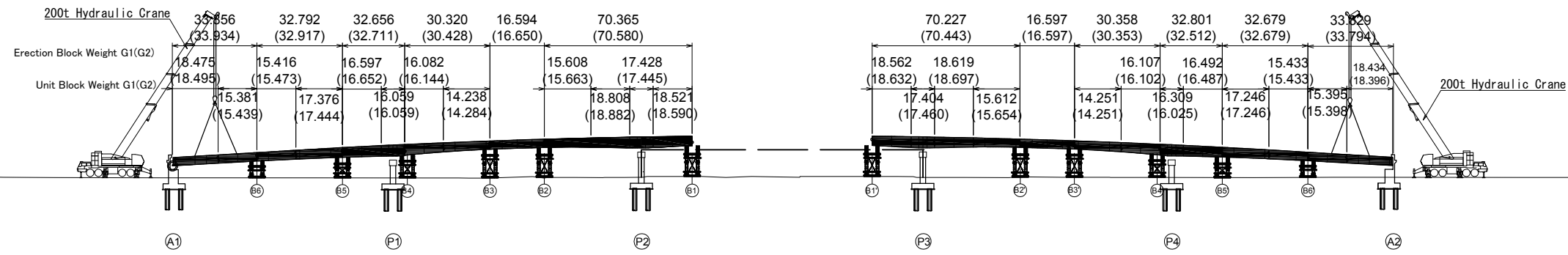
Indice Index	Date Date	Préparé par Prepared by	Vérifié par Checked by	Approuvé par Approved by	Description Description	Statut Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

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-RT-TA-083	A

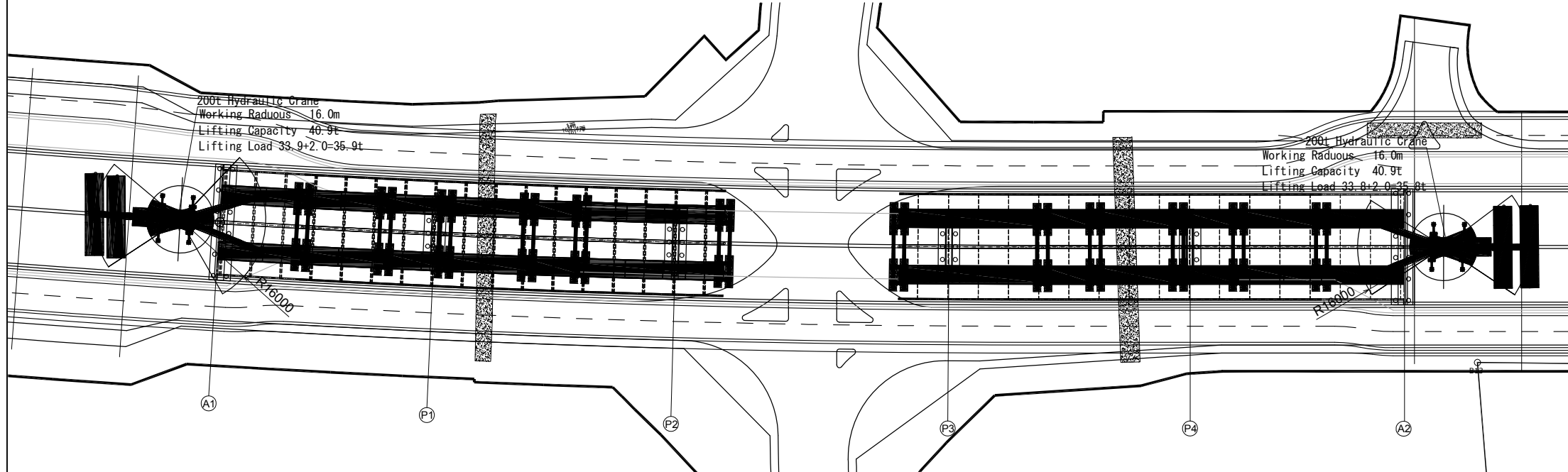
リビエラ3 架設計画図

(STEP 6)

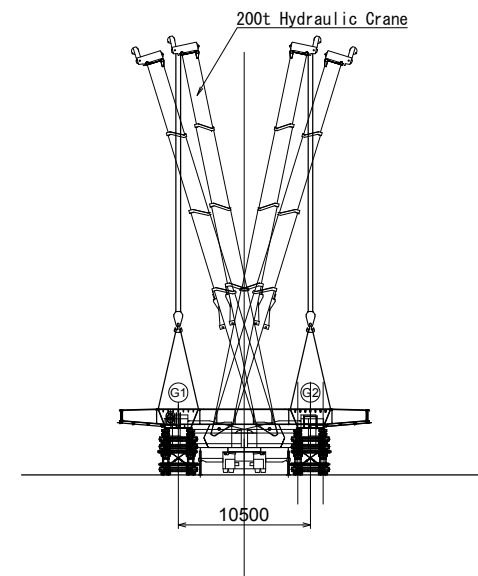
SIDE VIEW S=1:500



PLAN VIEW S=1:500



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 作業半径	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			32.6	35.0	30.6	27.3	24.3
20.0				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 À ABIDJAN
/ PROJECT FOR CONSTRUCTION OF THREE INTERSECTION IN ABIDJAN



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AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

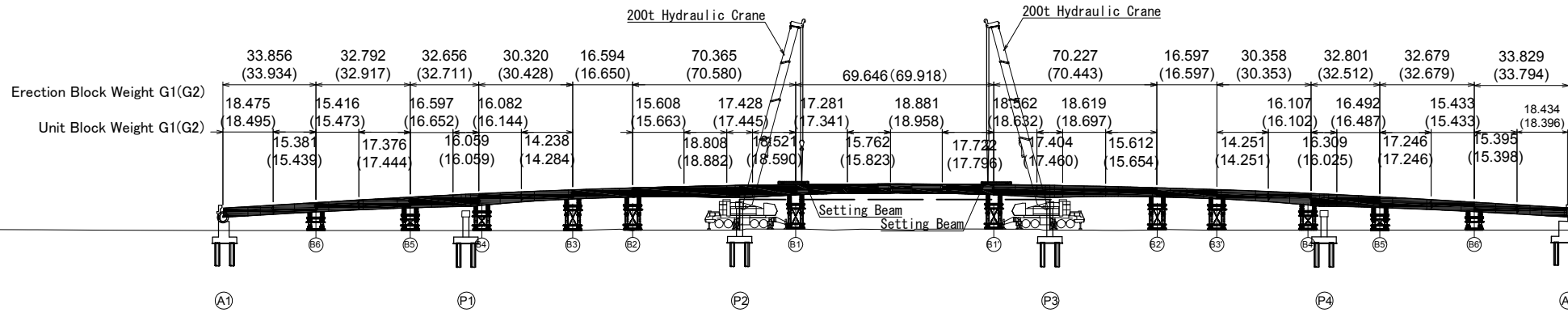
RIVIERA 3
PLAN D'ÉRECTION - (6)
ERECTION PLAN (6)

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

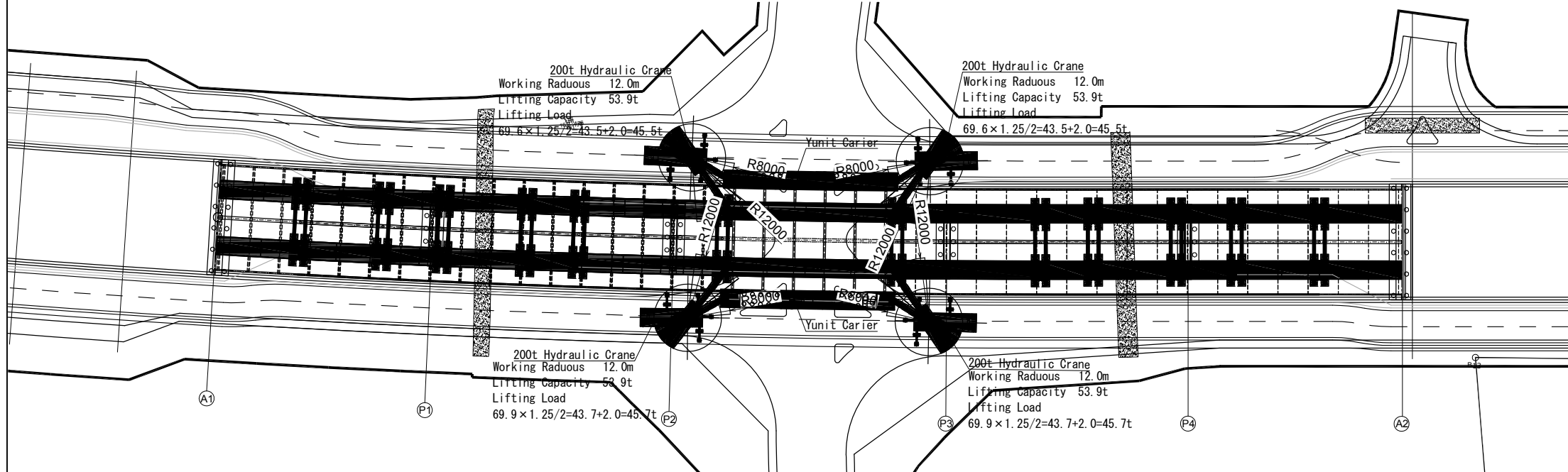
Emetteur Issuer	Localisation Location	Type d'ouvrage -Activité Type of structure -Activity	Type de document Type of document	N° No.	Indice Index
OCG,ISEC	BFM	PONT	DESSINS	H-RT-TA-084	A

(STEP 7)

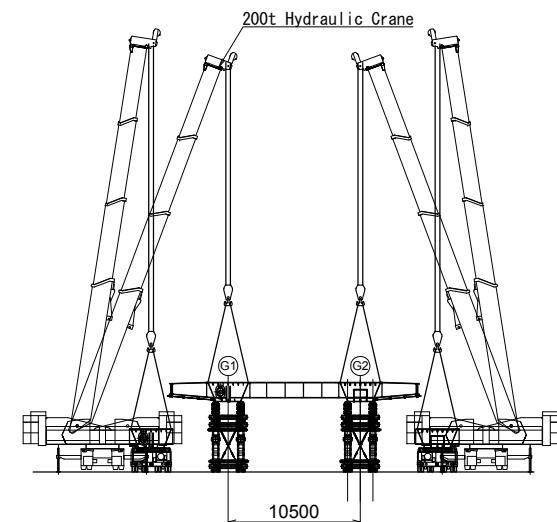
SIDE VIEW S=1:500



PLAN VIEW S=1:500



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 作業半径	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			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



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AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



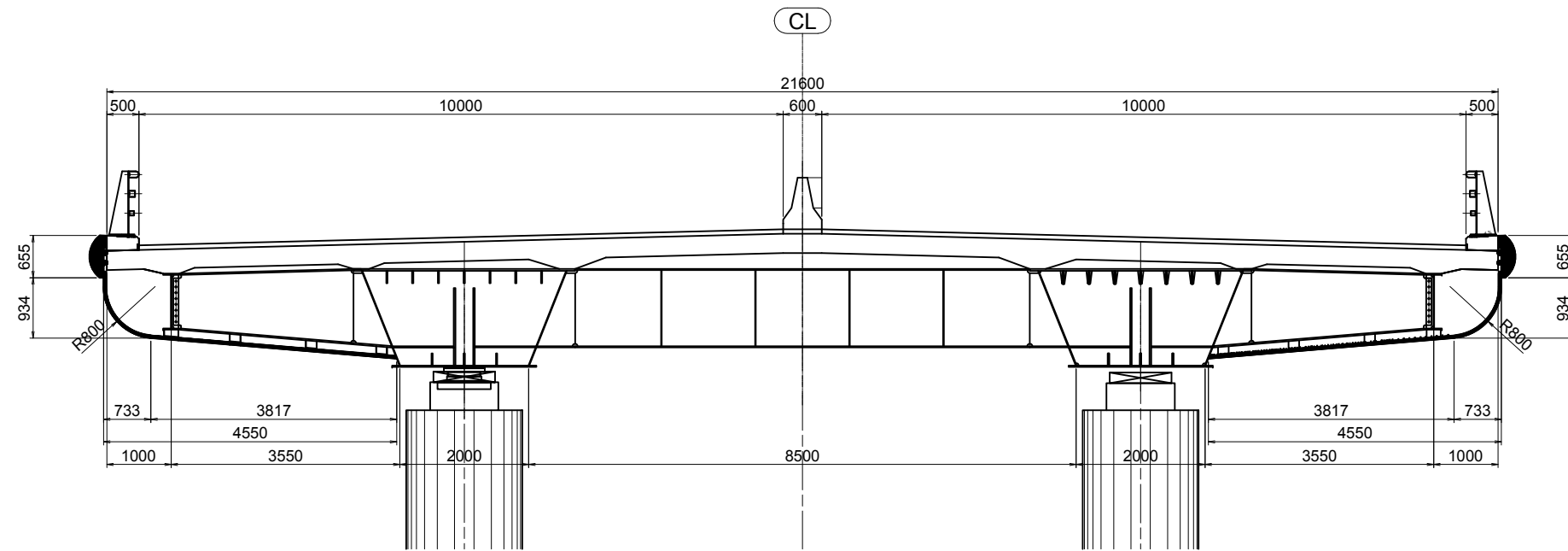
INGÉROSEC CORPORATION

RIVIERA 3
PLAN D'ÉRECTION - (7)
ERECTION PLAN (7)

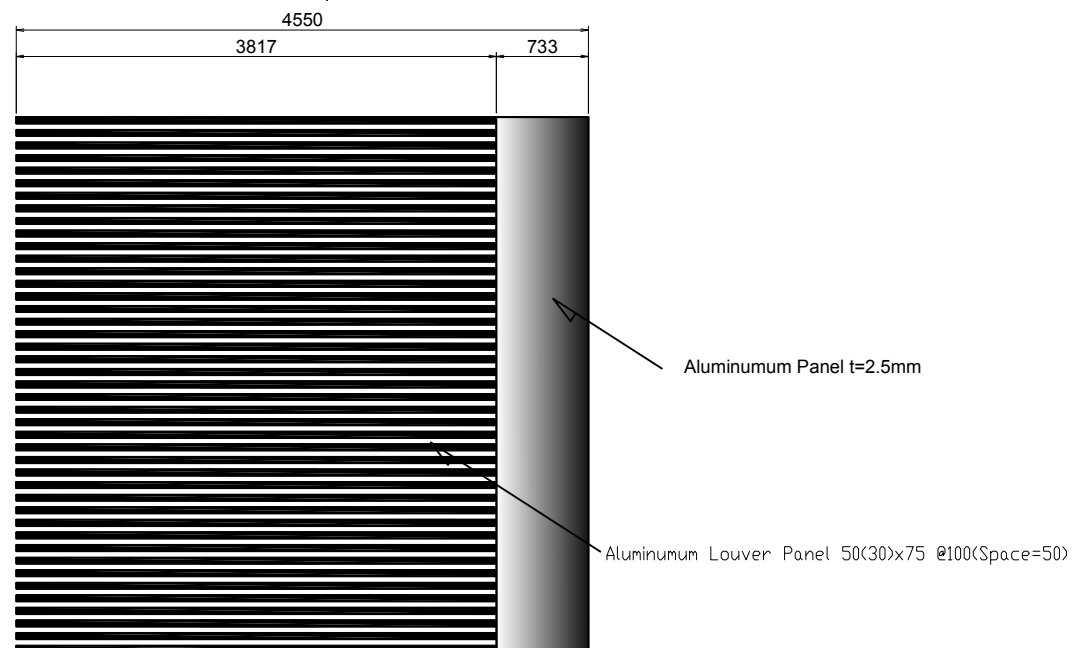
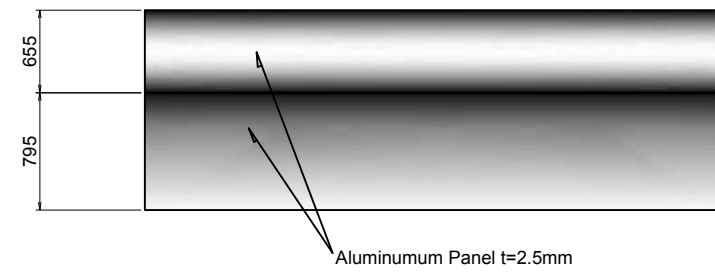
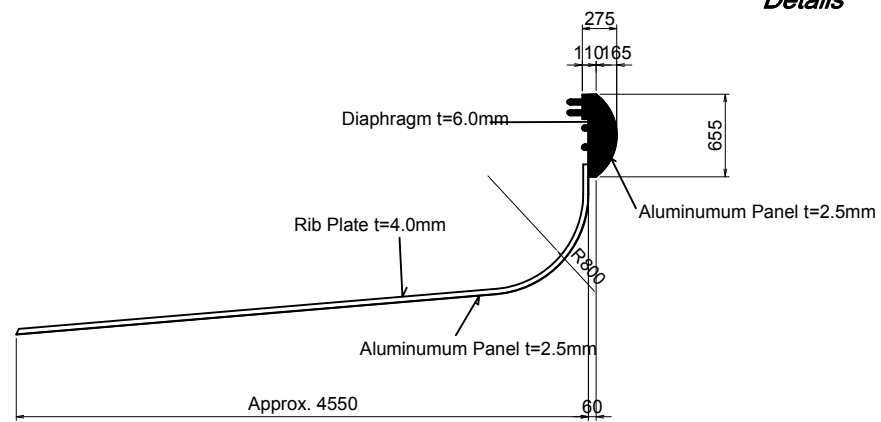
Indice Index	Date Date	Préparé par Prepared by	Vérifié par Checked by	Approuvé par Approved by	Description Description	Statut Status
A	27/12/18	K.T	J.O	T.K	PREMIERE VERSION	EXT

Format	A1	Fichier/ File :	Emetteur 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-RT-TA-085	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

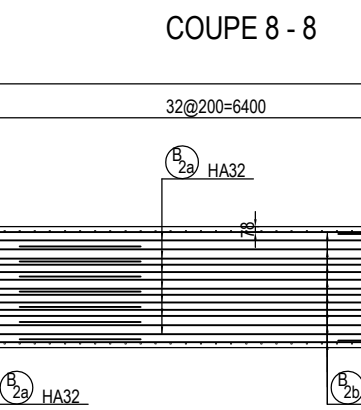
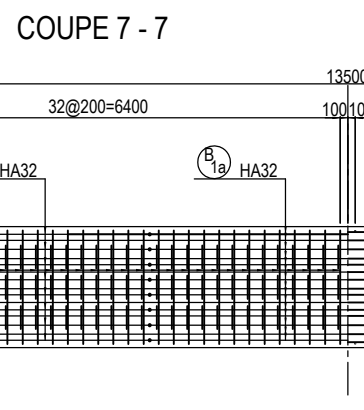
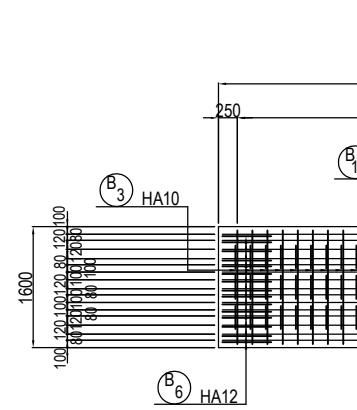
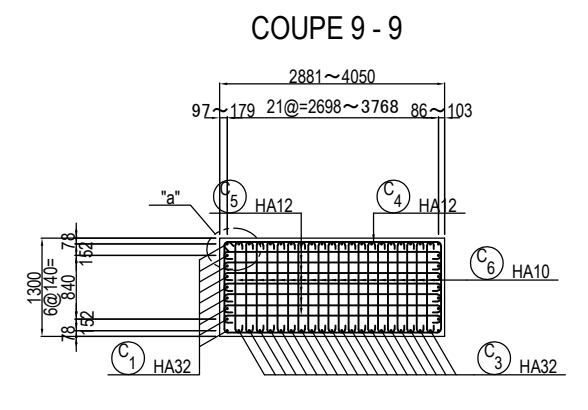
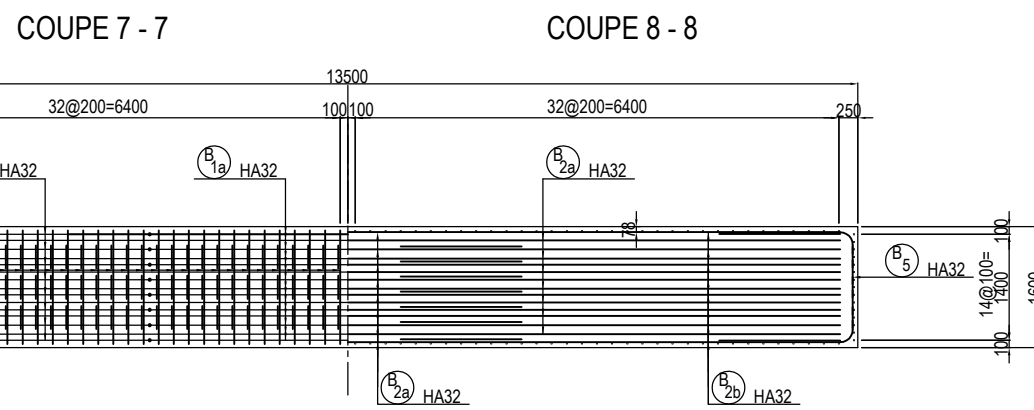
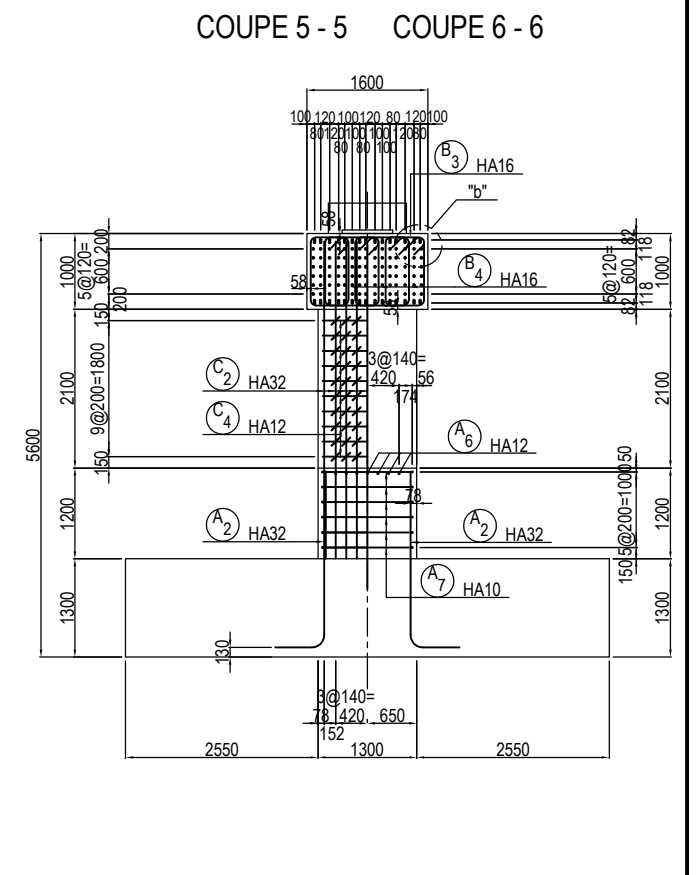
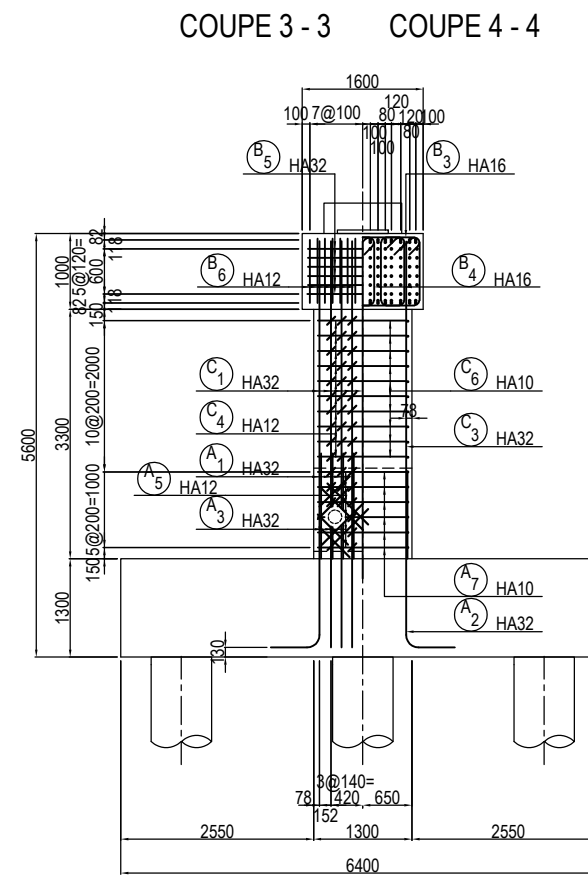
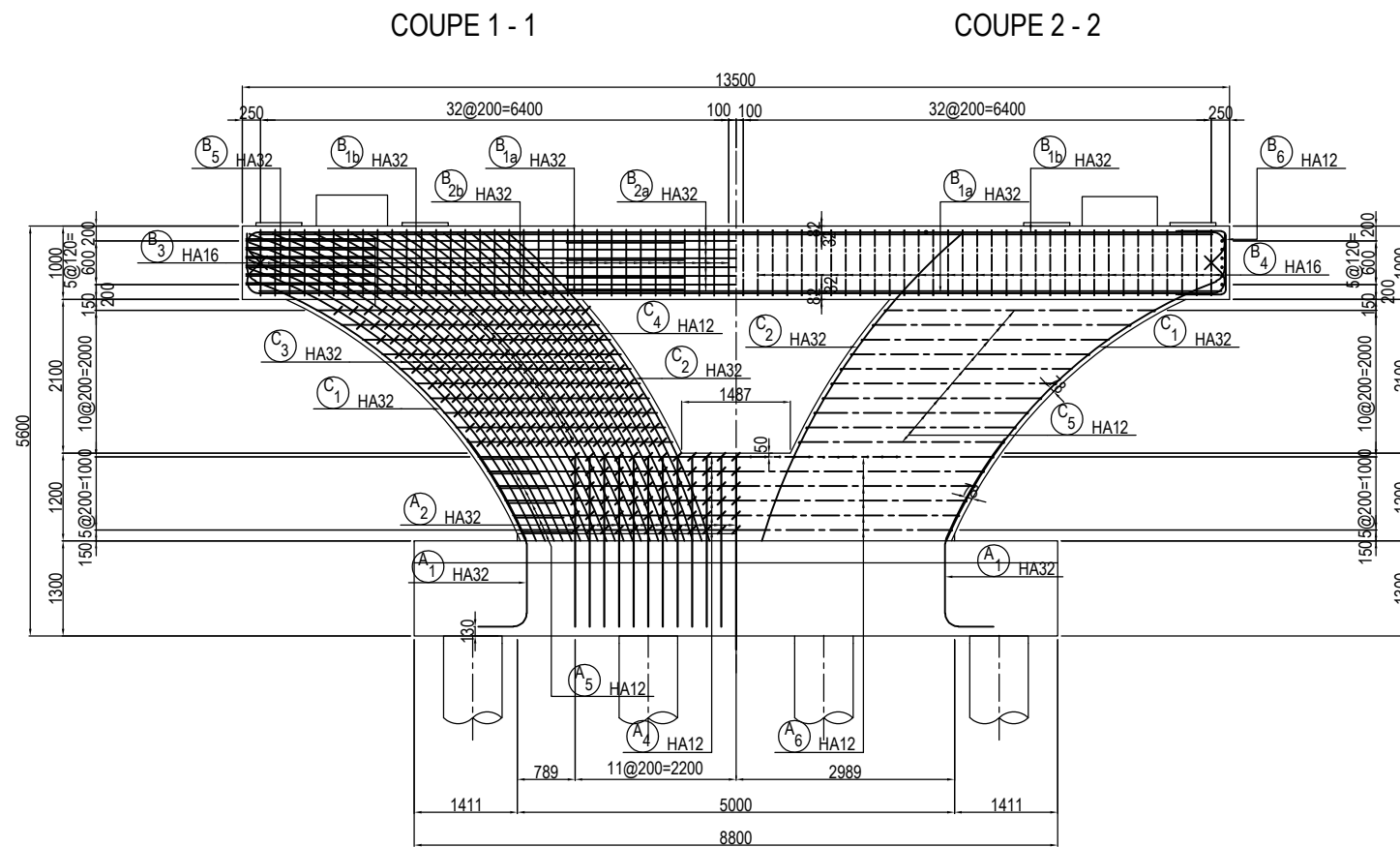


DÉTAILS
Details A1 E=1:50, A3 E=1:100
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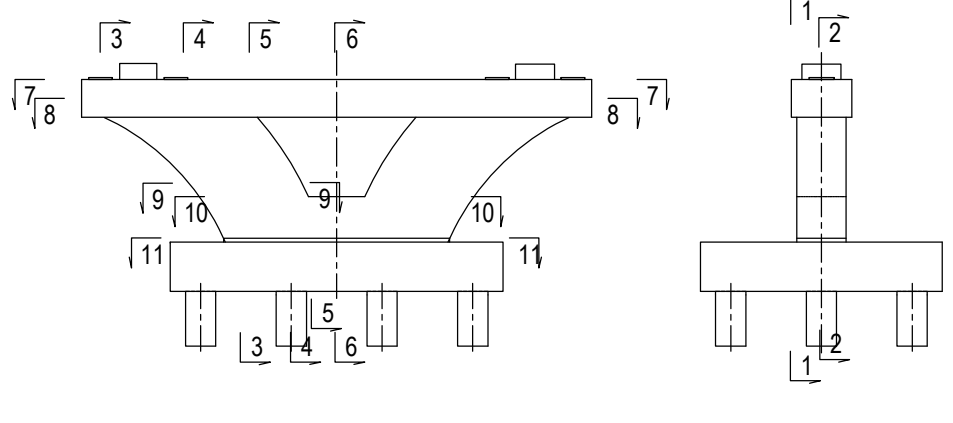
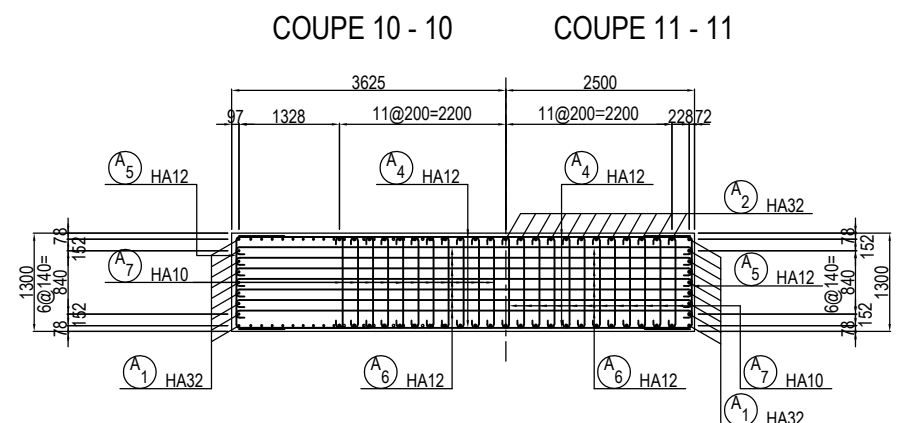


(Notes)
 Louver Panel shall be removable for the maintenance.

PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN						
		REPUBLIC 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				
RIVIERA 3 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 :				
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-RT-EQ-002	A	



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

RIVIERA 3
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

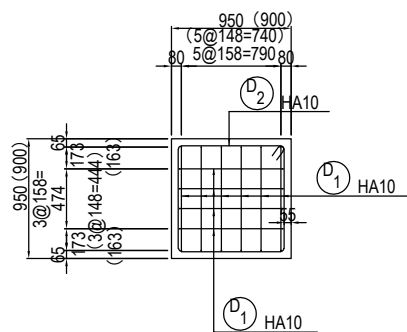
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

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-RT-FE-001	A

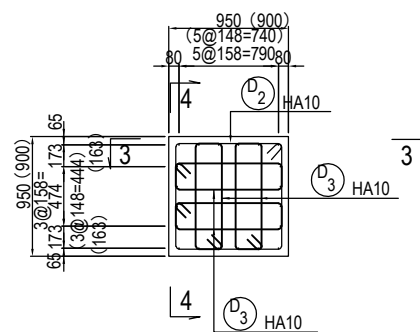
BARRE ARRIERE POUR APPAREILES D'APPUI
/ REBAR ARRANGEMENT FOR BEARINGS

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

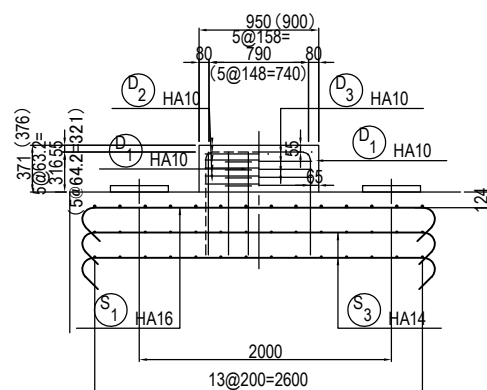
COUPE 1 - 1



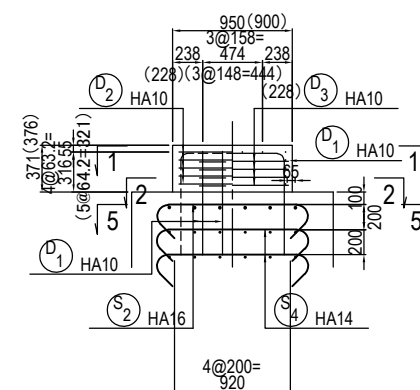
COUPE 2 - 2



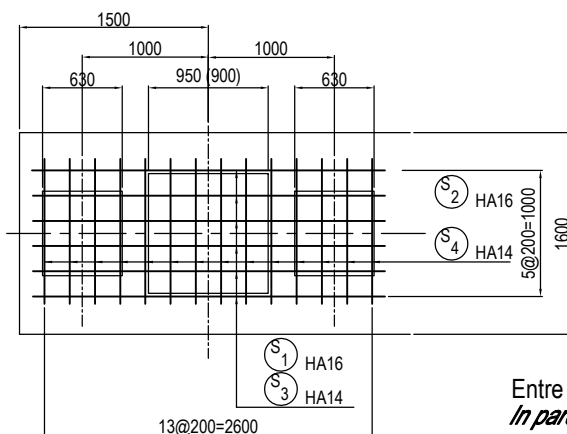
COUPE 3 - 3



COUPE 4 - 4



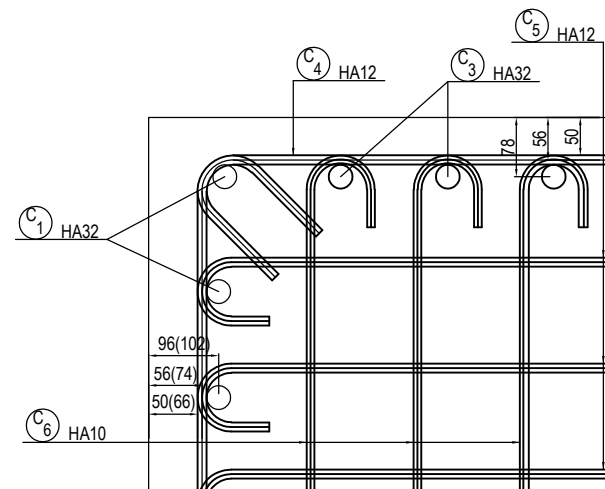
COUPE 5 - 5



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

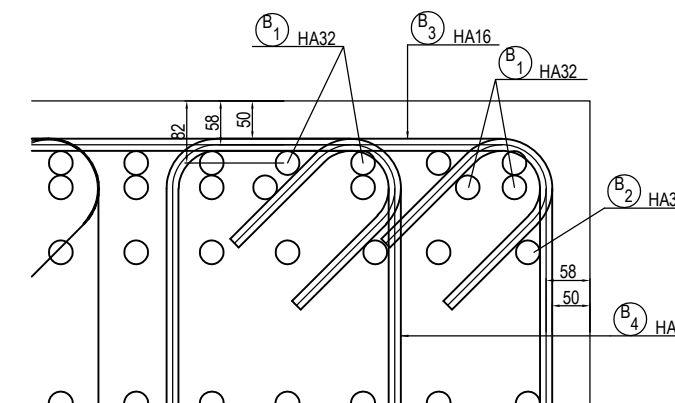
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 A1 S=1:5, A3 S=1:10



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 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.



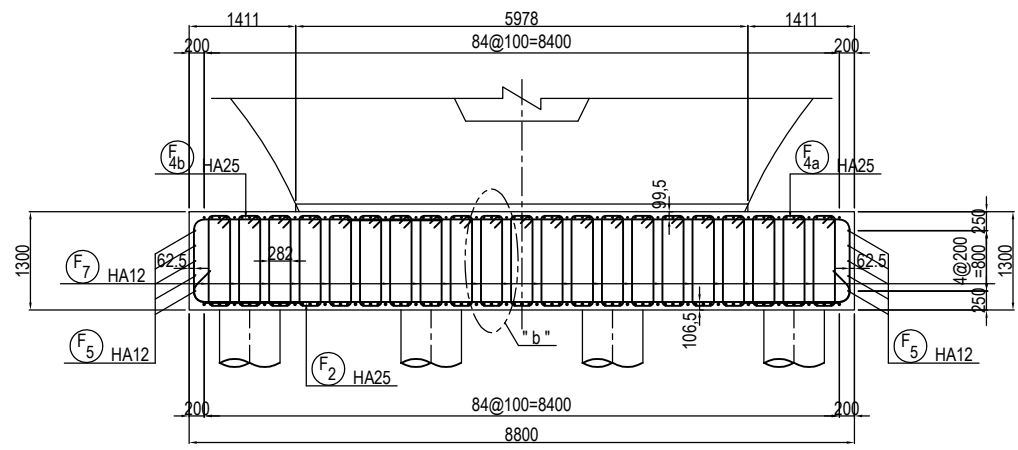
INGÉROSEC CORPORATION

RIVIERA 3
PILE P1 - FERRAILLAGE (2)
PIER P1 - BAR ARRANGEMENT (2)

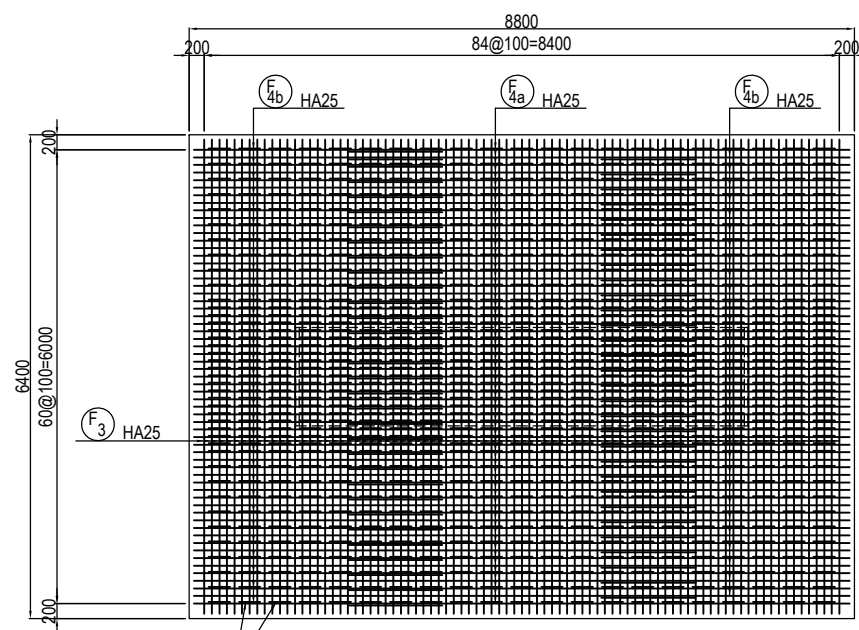
Indice / Index	Date / Date	Préparé par / Prepared by	Vérifié par / Checked by	Approuvé par / Approved by	Description / Description	Statut / Status
A		S.N	J.R	T.K	PREMIERE VERSION	EXT

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

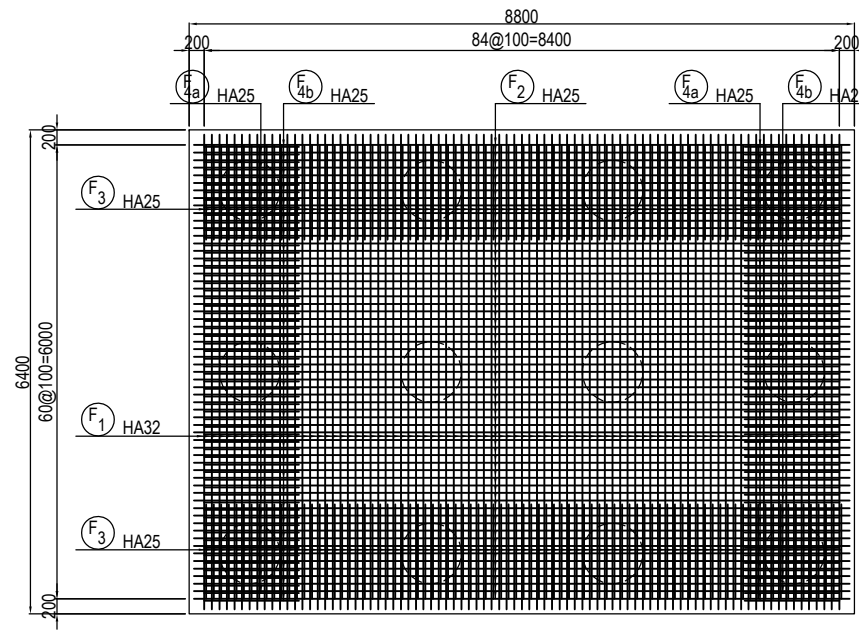
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A1 S=1:50, A3 S=1:100
COUPE 1 - 1



COUPE 2 - 2

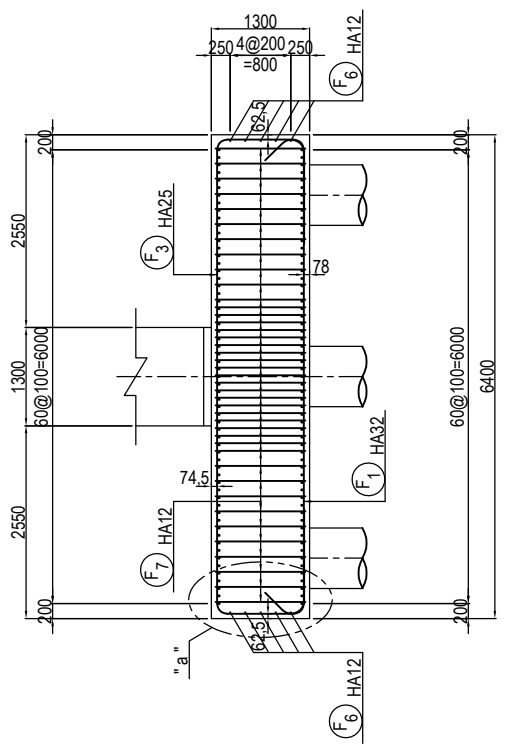


COUPE 3 - 3

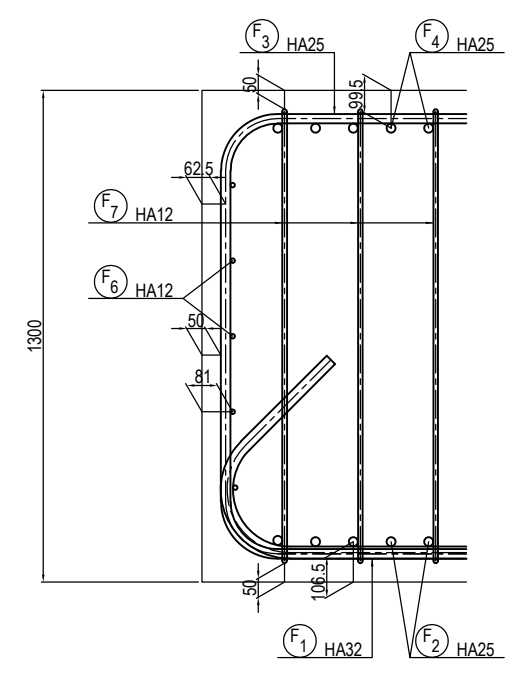


P2

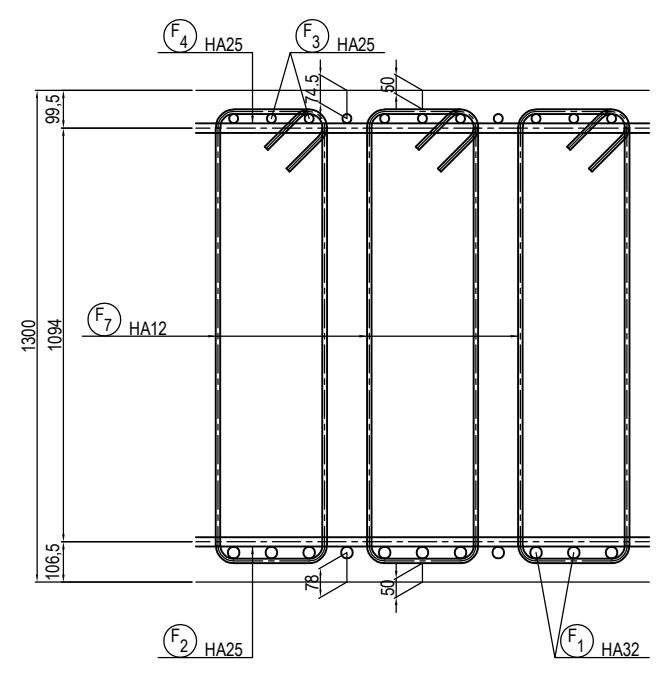
COUPE 4 - 4



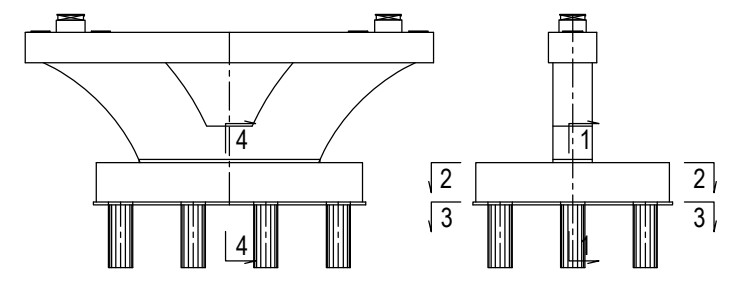
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A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



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.

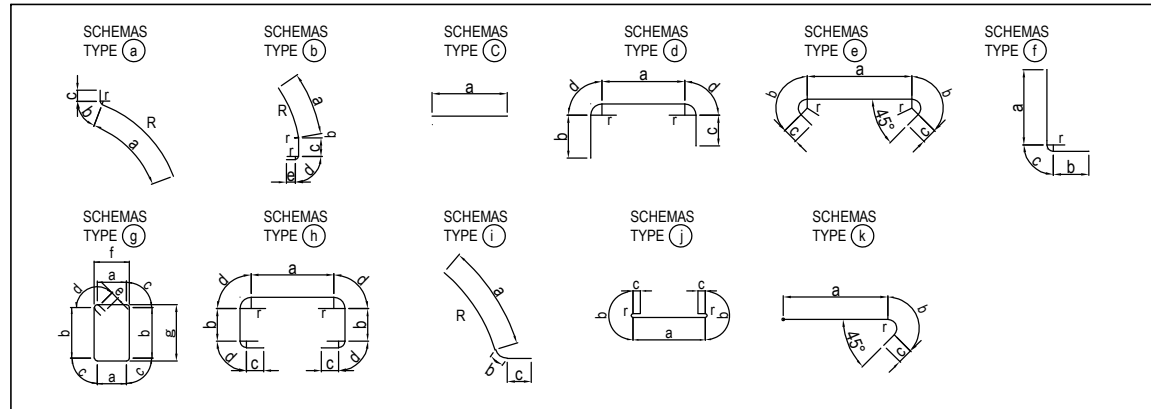


INGÉROSEC CORPORATION

RIVIERA 3
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

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-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														
B a1	HA	32	(k)	9.29	0.39	0.32	—	—	—	—	0.182	10.00	60	600.00
B b1	HA	32	(k)	3.75	0.39	0.32	—	—	—	—	0.182	4.46	60	267.60
B 2a	HA	32	(c)	9.00	—	—	—	—	—	—	—	9.00	90	810.00
B 2b	HA	32	(c)	5.88	—	—	—	—	—	—	—	5.88	90	529.20
B 3	HA	16	(g)	0.72	1.32	0.13	0.20	0.16	0.88	1.48	0.091	5.19	66	342.54
B 4	HA	16	(g)	0.13	0.72	0.13	0.20	0.16	0.29	0.88	0.091	2.81	198	556.38
B 5	HA	32	(d)	1.34	1.60	1.60	0.09	—	—	—	0.062	4720	12	56.64
B 6	HA	12	(d)	0.74	0.60	0.60	0.09	—	—	—	0.062	2.12	30	63.60

C 1	HA	32	(a)	5.26	0.20	0.48	—	—	—	—	R6.50 0.182	5.94	18	106.92
C 2	HA	32	(i)	5.01	0.20	0.32	—	—	—	—	R9.00 0.182	5.53	18	99.54
C 3	HA	32	(i)	6.22 ~5.05	0.20	0.32	—	—	—	—	R6.50 ~9.00	6.16	80	492.80
C 4	HA	12	(g)	1.11	2.71 ~3.61	0.06	0.10	0.12	1.19	2.79 ~3.69	0.047	9.16	20	183.20
C 5	HA	12	(j)	2.71 ~3.61	0.13	0.06	—	—	—	—	0.047	3.54	140	495.60
C 6	HA	10	(j)	1.11	0.13	0.05	—	—	—	—	0.045	1.47	400	588.00

A 1	HA	32	(b)	1.58	0.07	0.95	0.26	0.48	—	—	R6.50 0.182	3.34	18	60.12
A 2	HA	32	(f)	2.15	0.48	0.26	—	—	—	—	0.182	2.89	46	132.94
A 3	HA	32	(c)	0.80	—	—	—	—	—	—	—	0.80	16	12.80
A 4	HA	12	(c)	5.79 ~6.95	—	—	—	—	—	—	—	6.37	12	76.44
A 5	HA	12	(d)	1.08	0.60	0.60	0.09	—	—	—	0.062	2.46	12	29.52
A 6	HA	12	(j)	5.79 ~6.95	0.13	0.06	—	—	—	—	0.047	6.75	42	283.50
A 7	HA	10	(j)	1.11	0.13	0.05	—	—	—	—	0.045	1.47	138	202.86

F 1	HA	32	(a)	5.94	0.39	0.32	—	—	—	—	0.182	7.36	85	625.60
F 2	HA	25	(a)	8.40	0.32	0.25	—	—	—	—	0.150	9.54	61	581.94
F 3	HA	25	(b)	6.00	0.88	1.25	0.22	—	—	—	0.150	11.14	85	946.90
F 4a	HA	25	(c)	0.82	6.50	1.25	0.22	—	—	—	0.150	9.01	61	549.61
F 4b	HA	25	(c)	0.82	3.15	1.25	0.22	—	—	—	0.150	5.66	61	345.26
F 5	HA	12	(c)	6.13	0.60	0.60	0.09	—	—	—	0.062	7.51	10	75.10
F 6	HA	12	(d)	8.53	—	—	—	—	—	—	—	8.53	10	85.30
F 7	HA	12	(e)	0.20	1.11	0.06	0.10	0.12	0.28	1.19	0.047	3.24	861	2789.64

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)	2.63	0.20	0.16	—	—	—	—	0.091	3.35	6	20.10
S 2	HA	16	(e)	1.03	0.20	0.16	—	—	—	—	0.091	1.75	14	21.70
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	12	42.00
S 4	HA	14	(e)	1.04	0.19	0.14	—	—	—	—	0.089	1.70	28	47.60
D 1	HA	10	(d)	0.71	0.77	0.77	0.09	—	—	—	0.060	2.43	10	24.30
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)	0.15	0.79	0.04	0.06	0.10	0.20	0.84	0.030	2.32	16	37.12
B2														
S 1	HA	16	(e)	2.83	0.20	0.16	—	—	—	—	0.091	3.55	6	21.30
S 2	HA	16	(e)	1.03	0.20	0.16	—	—	—	—	0.091	1.75	14	24.50
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	12	42.00
S 4	HA	14	(e)	1.04	0.19	0.14	—	—	—	—	0.089	1.70	28	47.60
D 1	HA	10	(d)	0.66	0.81	0.81	0.09	—	—	—	0.060	2.46	10	24.60
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)	0.17	0.74	0.04	0.06	0.10	0.22	0.79	0.030	2.26	16	36.16

* La dimension radiale indique l'extérieur 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)	948.04	4138.54	179.20	989.32	—	2423.71	3737.52	TOTAL
POIDS (kg)	584.94	3675.02	216.47	1561.15	—	9340.98	23594.96	38973.52

TOTAL POUR P1 / TOTAL FOR P1

POIDS TOTAL(kg) : 38973.52

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

RIVIERA 3
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

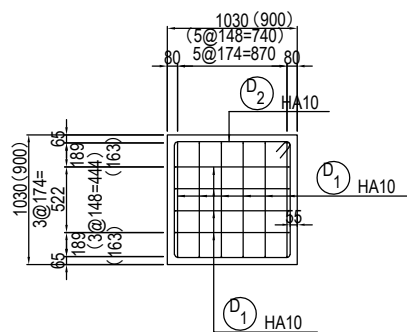
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Emetteur / Issuer	Localisation / Location	Type d'ouvrage -Activité / Type of structure -Activity	Type de document / Type of document	N° / No.	Indice / Index
OCC, ISEC	BFM	PONT	DESSINS	H-RT-FE-004	A

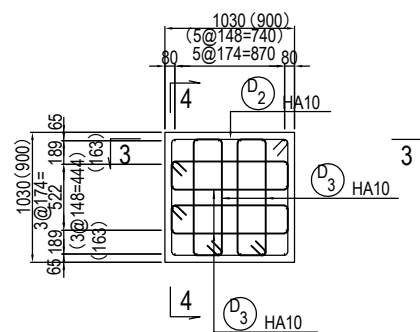
BARRE ARRIERE POUR APPAREILES D'APPUI
/ REBAR ARRANGEMENT FOR BEARINGS

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

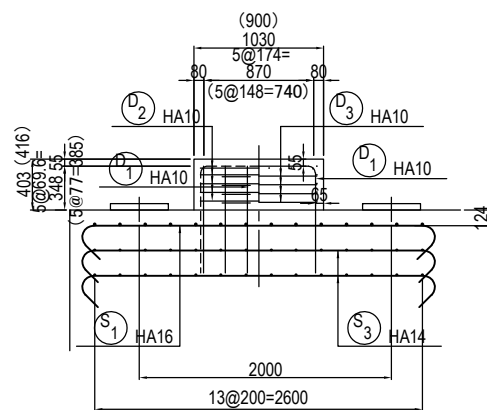
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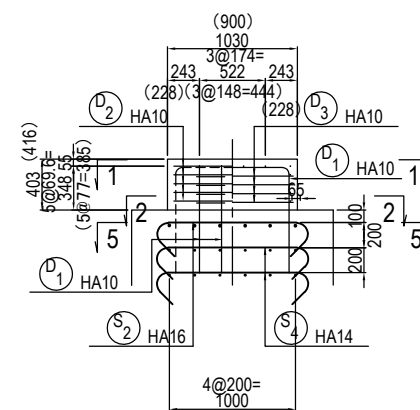
COUPE 2 - 2



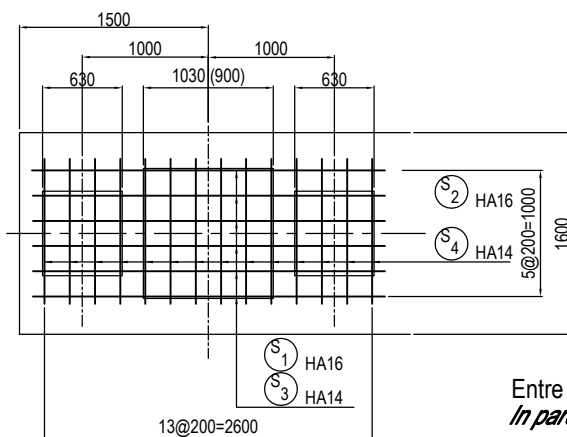
COUPE 3 - 3



COUPE 4 - 4

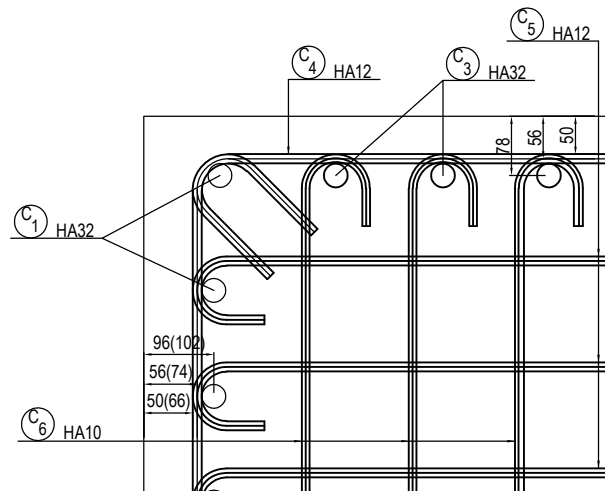


COUPE 5 - 5

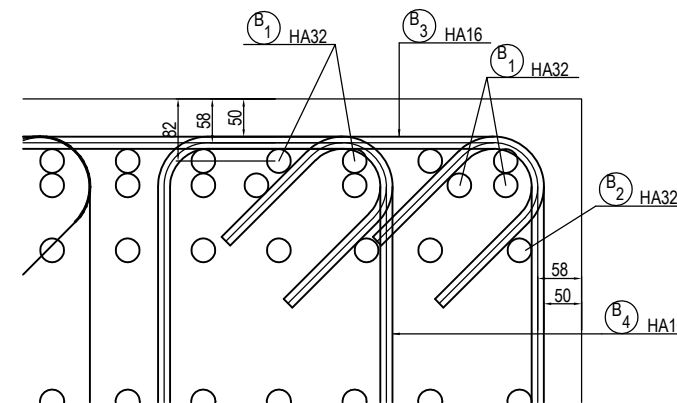


Entre parenthèses dimensions pour B2.
 In parentheses dimensions for B2.

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 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

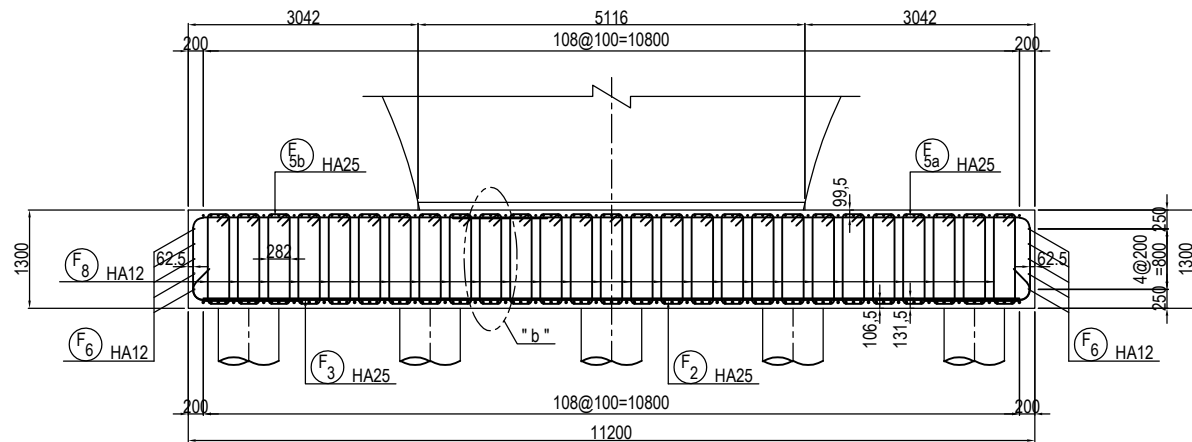
RIVIERA 3
PILE P2 - FERRAILLAGE (2)
PIER P2 - BAR ARRANGEMENT (2)

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

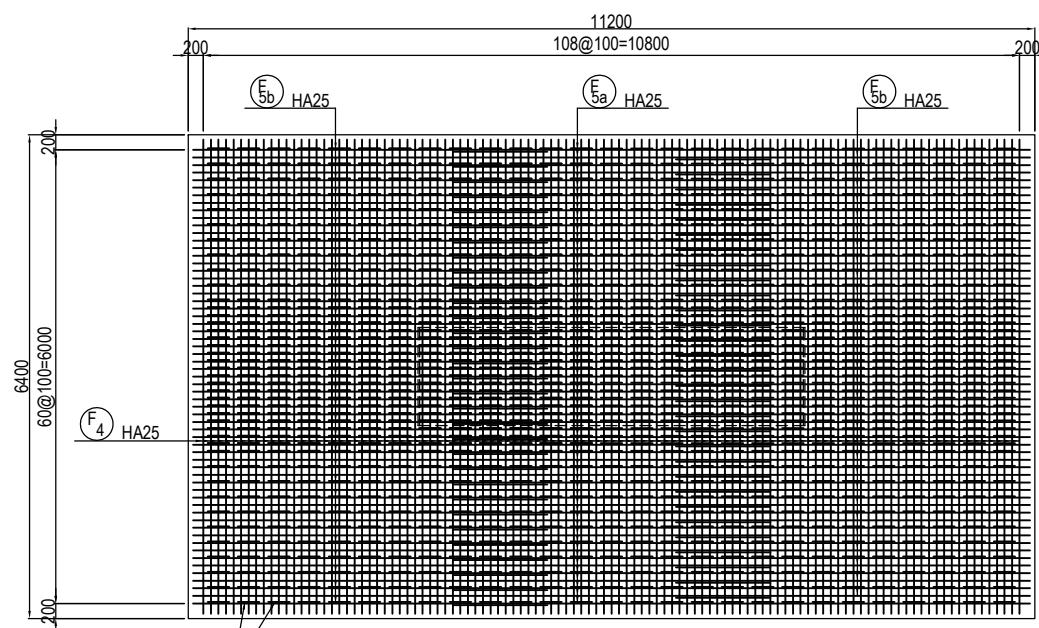
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			OCC, ISEC	BFM	PONT	DESSINS	H-RT-FE-006	A

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

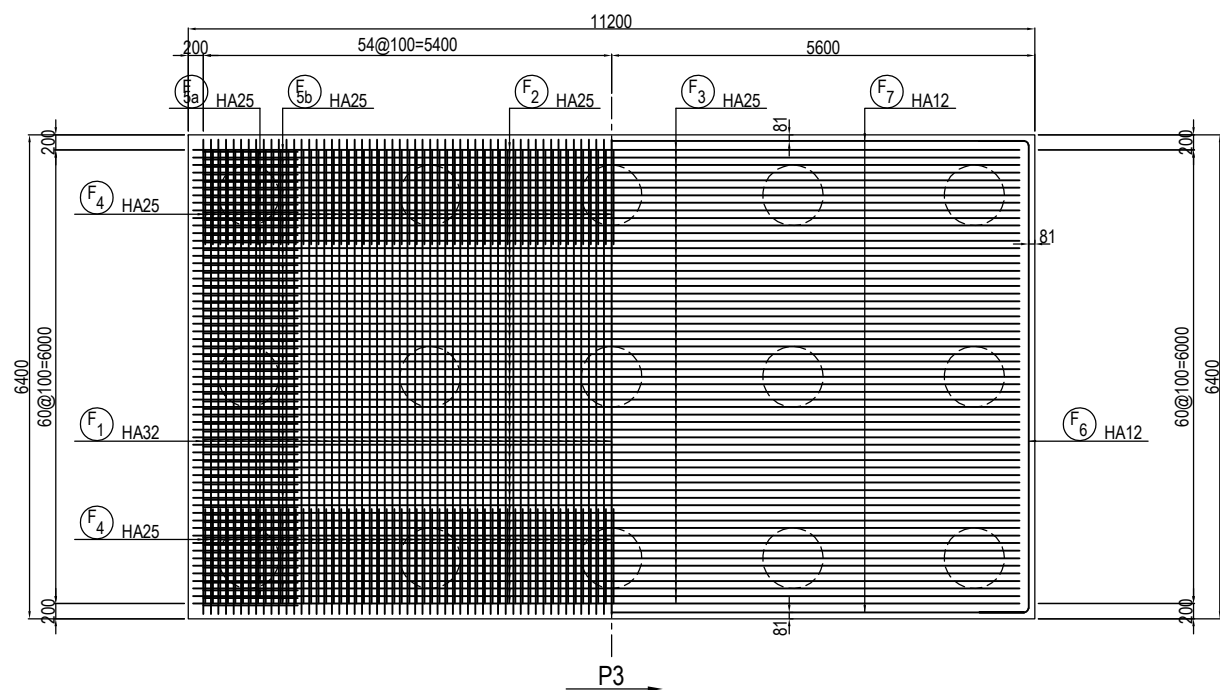
COUPE 1 - 1



COUPE 2 - 2

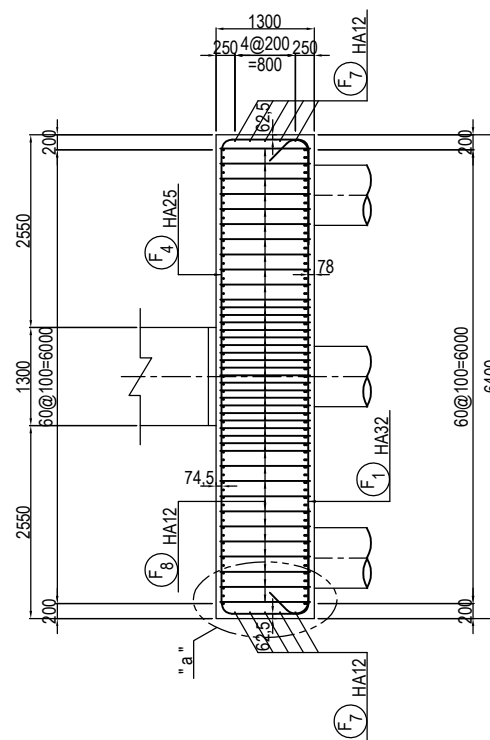


COUPE 3 - 3

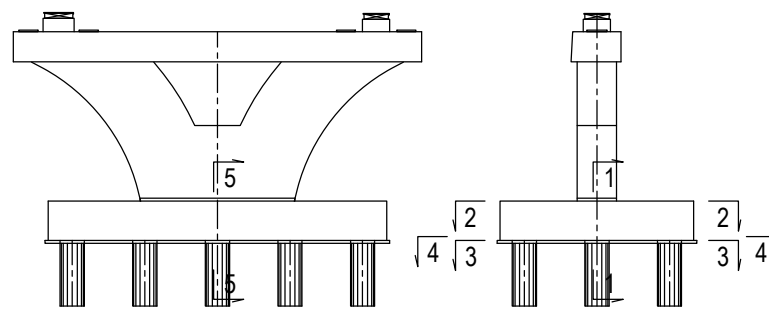


COUPE 4 - 4

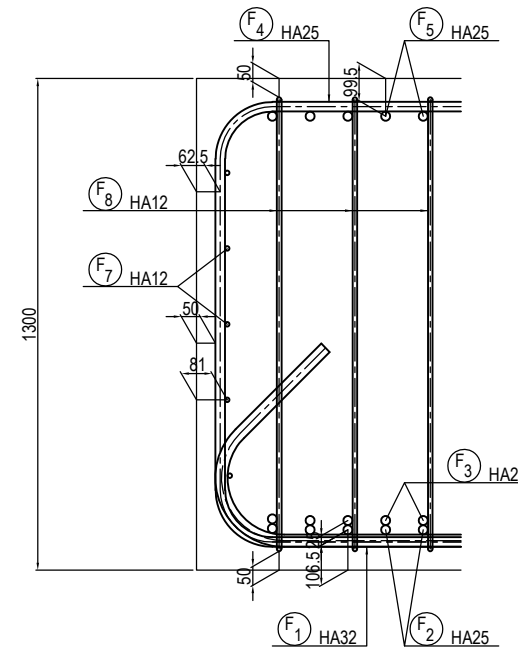
COUPE 5 - 5



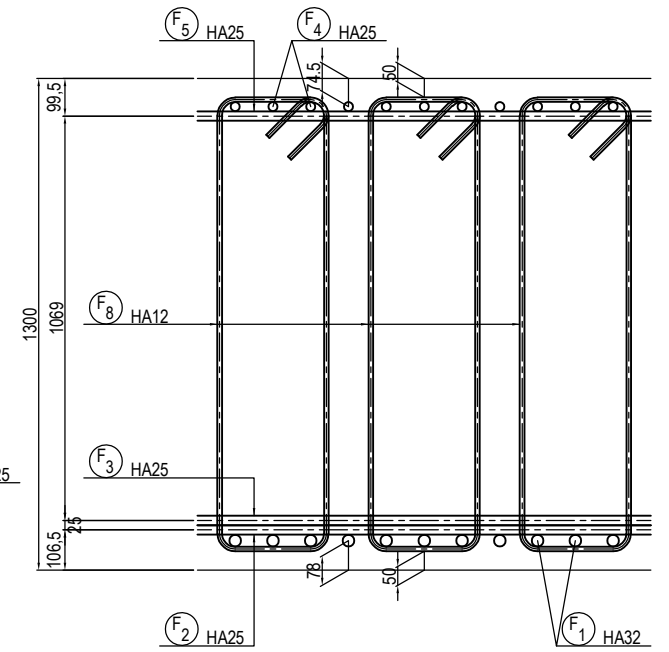
POSITION DE LA SECTION
/ POSITION OF THE SECTION



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



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.

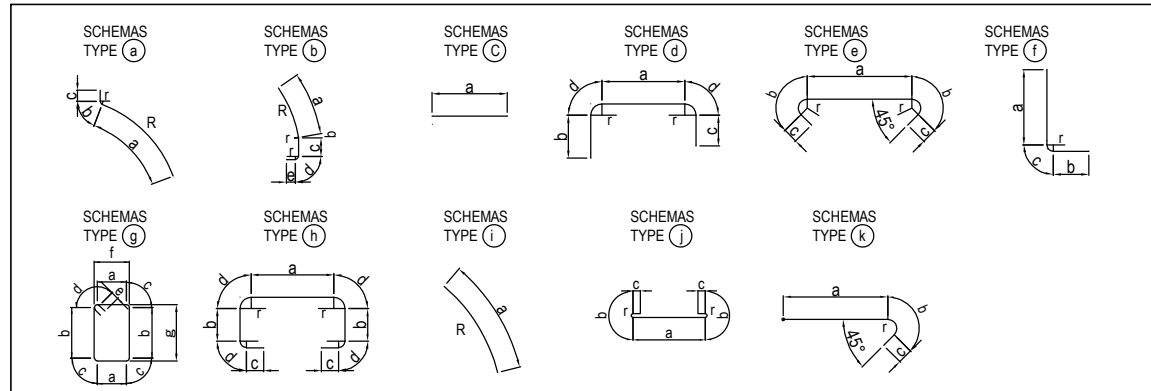


INGÉROSEC CORPORATION

RIVIERA 3
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	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-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														
B a1	HA	32	(k)	9.29	0.39	0.32	—	—	—	—	0.182	10.00	60	600.00
B b1	HA	32	(k)	3.75	0.39	0.32	—	—	—	—	0.182	4.46	60	267.60
B 2a	HA	32	(c)	9.00	—	—	—	—	—	—	—	9.00	90	810.00
B 2b	HA	32	(c)	5.88	—	—	—	—	—	—	—	5.88	90	529.20
B 3	HA	16	(g)	0.72	1.32	0.13	0.20	0.16	0.88	1.48	0.091	5.19	66	342.54
B 4	HA	16	(g)	0.13	0.72	0.13	0.20	0.16	0.29	0.88	0.091	2.81	198	556.38
B 5	HA	32	(d)	1.34	1.60	1.60	0.09	—	—	—	0.062	4720	12	56.64
B 6	HA	12	(d)	0.74	0.60	0.60	0.09	—	—	—	0.062	2.12	30	63.60

C 1	HA	32	(a)	5.56	0.20	0.48	—	—	—	—	R6.50 0.182	6.24	18	112.32
C 2	HA	32	(i)	5.50	—	—	—	—	—	—	R9.00	5.50	18	99.00
C 3	HA	32	(i)	6.71 ~5.53	—	—	—	—	—	—	R6.50 ~9.00	6.12	80	489.60
C 4	HA	12	(g)	1.11 ~2.71	2.71 ~3.61	0.06	0.10	0.12	1.19	2.79 ~3.69	0.047	9.16	20	183.20
C 5	HA	12	(j)	2.71 ~3.61	0.13	0.06	—	—	—	—	0.047	3.54	140	495.60
C 6	HA	10	(j)	1.11	0.13	0.05	—	—	—	—	0.045	1.47	400	588.00

A 1	HA	32	(b)	2.66	0.03	0.79	0.26	0.48	—	—	R6.50 0.182	4.40	18	79.20
A 2	HA	32	(f)	3.45	0.48	0.26	—	—	—	—	0.182	4.19	46	192.74
A 3	HA	32	(c)	0.80	—	—	—	—	—	—	—	0.80	16	12.80
A 4	HA	12	(c)	4.88 ~6.95	—	—	—	—	—	—	—	5.92	26	153.92
A 5	HA	12	(d)	1.08	0.60	0.60	0.09	—	—	—	0.062	2.46	26	63.96
A 6	HA	12	(j)	4.88 ~6.95	0.13	0.06	—	—	—	—	0.047	6.30	91	573.30
A 7	HA	10	(j)	1.11	0.13	0.05	—	—	—	—	0.045	1.47	299	439.53

F 1	HA	32	(a)	5.94	0.39	0.32	—	—	—	—	0.182	7.36	109	802.24
F 2	HA	25	(a)	10.80	0.32	0.25	—	—	—	—	0.150	11.94	61	728.34
F 3	HA	25	(d)	10.80	—	—	—	—	—	—	—	10.80	61	658.80
F 4	HA	25	(b)	6.00	0.88	1.25	0.22	—	—	—	0.150	11.14	109	1214.26
F 5a	HA	25	(c)	0.82	7.50	1.25	0.22	—	—	—	0.150	10.01	61	610.61
F 5b	HA	25	(c)	0.82	4.55	1.25	0.22	—	—	—	0.150	7.06	61	430.66
F 6	HA	12	(c)	6.13	0.60	0.60	0.09	—	—	—	0.062	7.51	10	75.10
F 7	HA	12	(d)	10.93	—	—	—	—	—	—	—	10.93	10	109.30
F 8	HA	12	(e)	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)	2.63	0.20	0.16	—	—	—	—	0.091	3.35	6	20.10
S 2	HA	16	(e)	1.03	0.20	0.16	—	—	—	—	0.091	1.75	14	21.70
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	12	42.00
S 4	HA	14	(e)	1.04	0.19	0.14	—	—	—	—	0.089	1.70	28	47.60
D 1	HA	10	(d)	0.79	0.80	0.80	0.09	—	—	—	0.060	2.56	10	25.60
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	6	21.30
S 2	HA	16	(e)	1.03	0.20	0.16	—	—	—	—	0.091	1.75	14	24.50
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	12	42.00
S 4	HA	14	(e)	1.04	0.19	0.14	—	—	—	—	0.089	1.70	28	47.60
D 1	HA	10	(d)	0.66	0.81	0.81	0.09	—	—	—	0.060	2.46	10	24.60
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)	0.17	0.74	0.04	0.06	0.10	0.22	0.79	0.030	2.26	16	36.16

* La dimension radiale indique l'extérieur 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)	1190.81	5361.30	179.20	989.32	—	2914.33	4723.04	TOTAL
POIDS (kg)	734.73	4760.83	216.47	1561.15	—	11231.83	29816.55	48321.56

TOTAL POUR P2 / TOTAL FOR P2

POIDS TOTAL(kg): 48321.56

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.

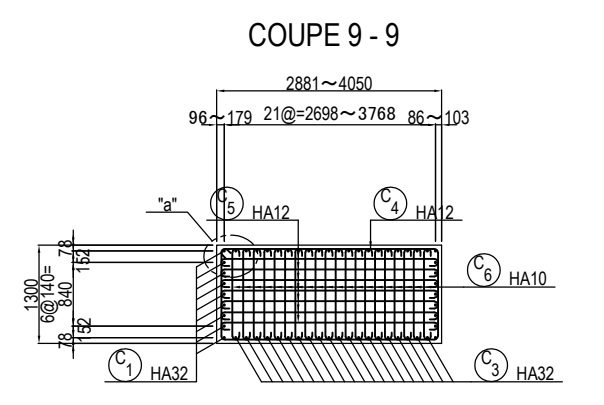
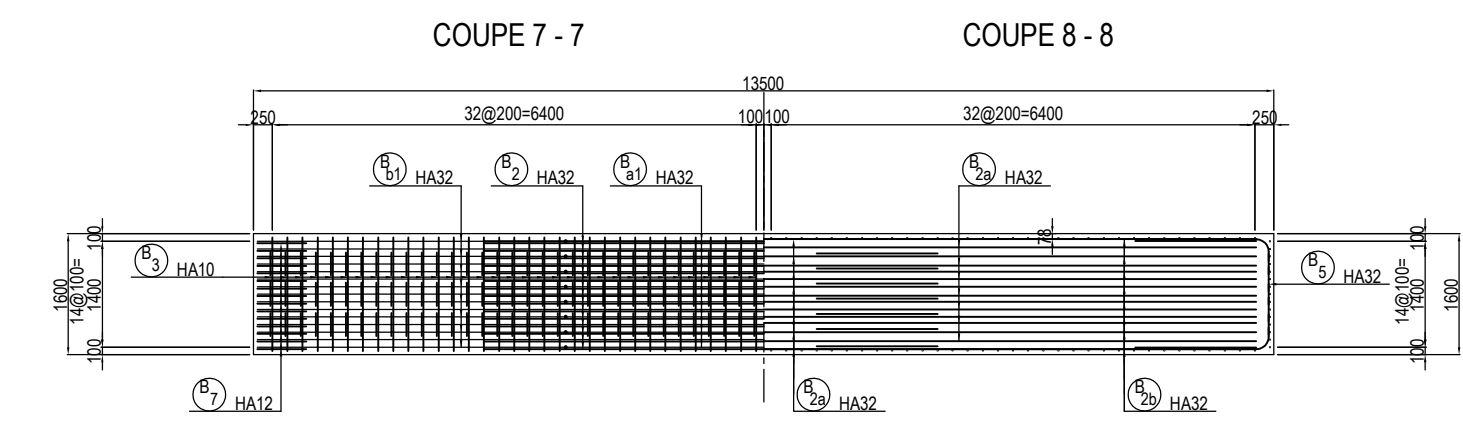
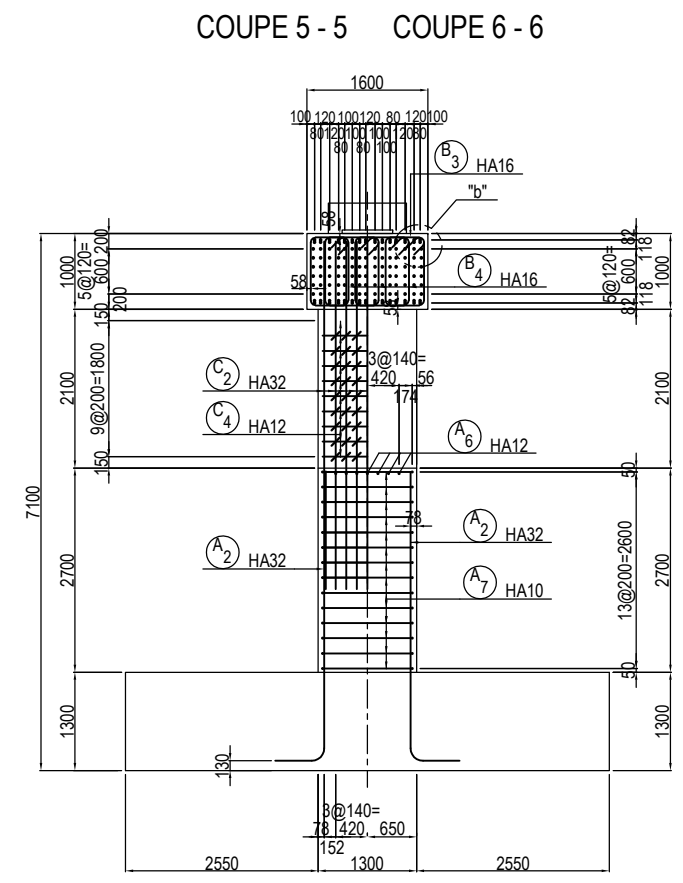
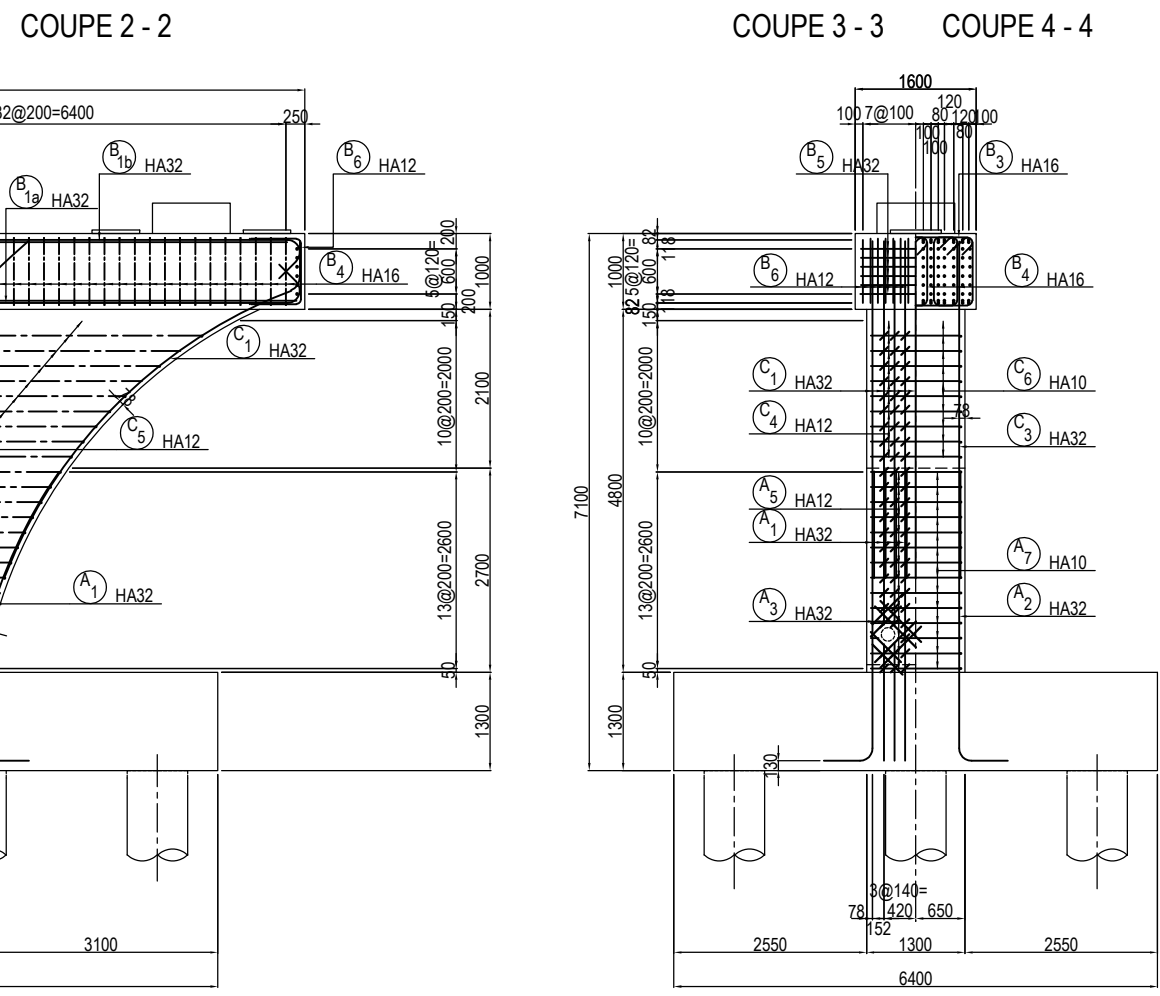
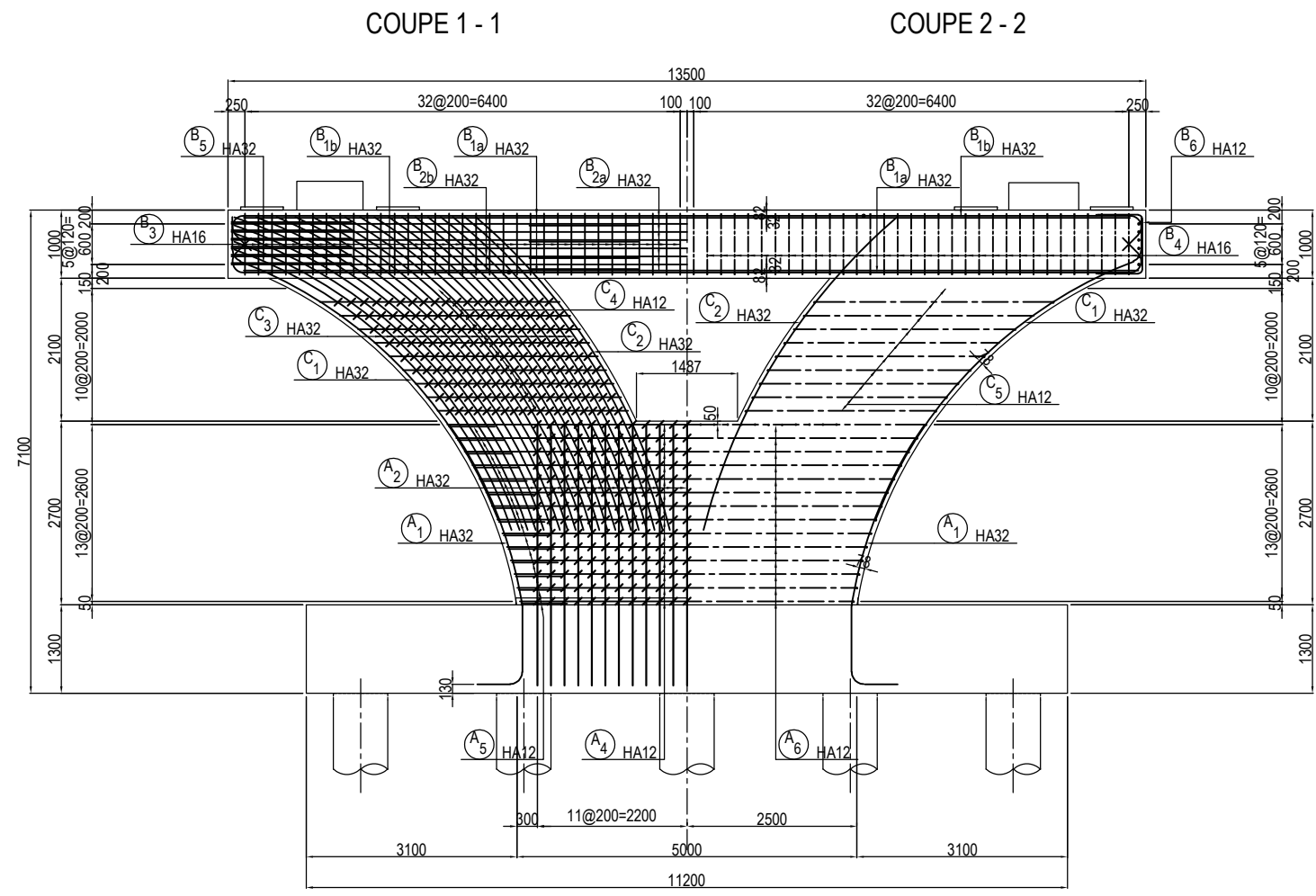


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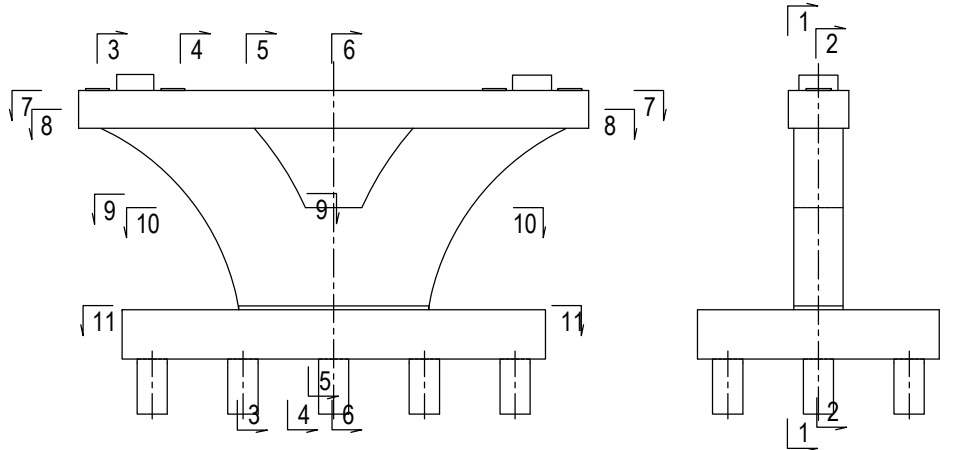
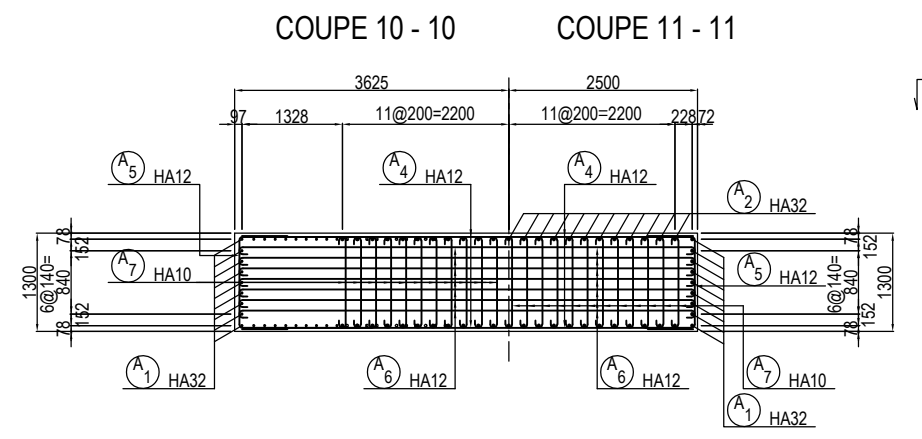
RIVIERA 3
PILE P2 - FERRAILLAGE (4)
PIER P2 - BAR ARRANGEMENT (4)

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-RT-FE-008	A



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

JICA AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE / JAPAN INTERNATIONAL COOPERATION AGENCY

OC GLOBAL ORIENTAL CONSULTANTS GLOBAL CO., LTD.

INGÉROSEC INGÉROSEC CORPORATION

RIVIERA 3
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

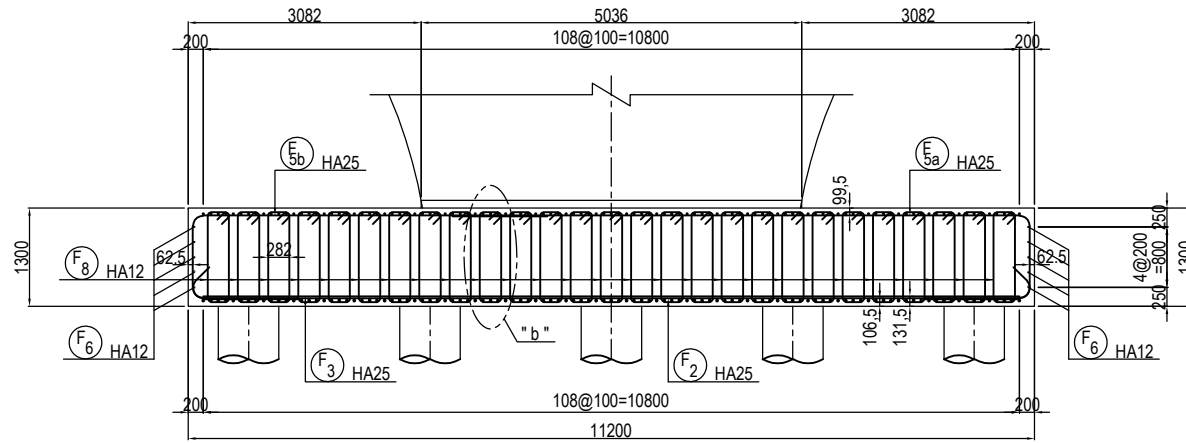
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A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format	Fichier / File
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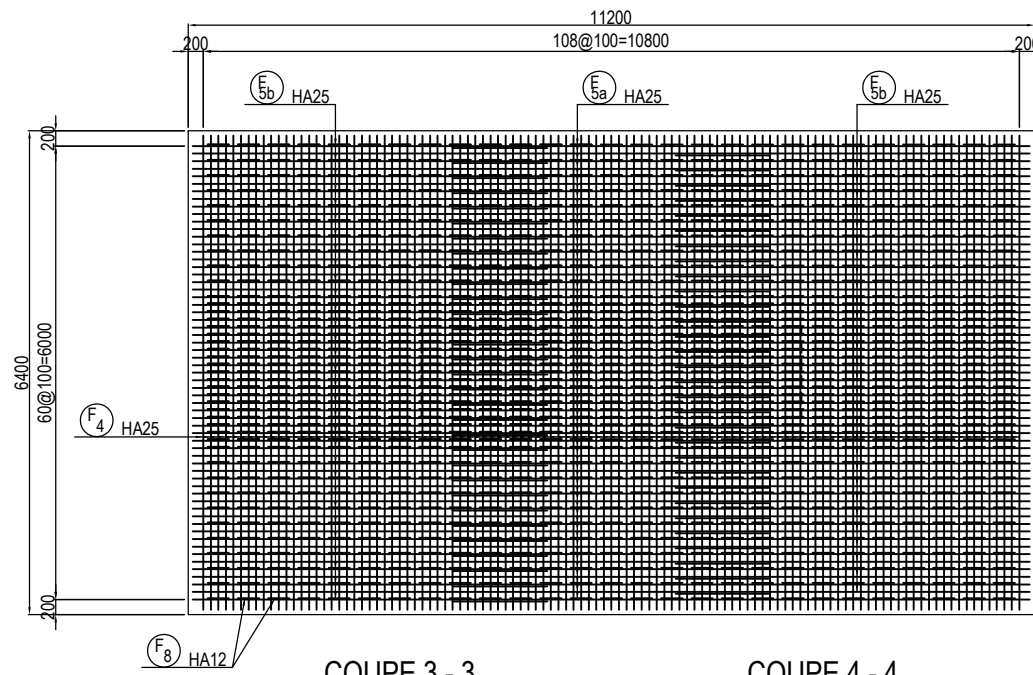
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OCC, ISEC	BFM	PONT	DESSINS	H-RT-FE-009	A

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

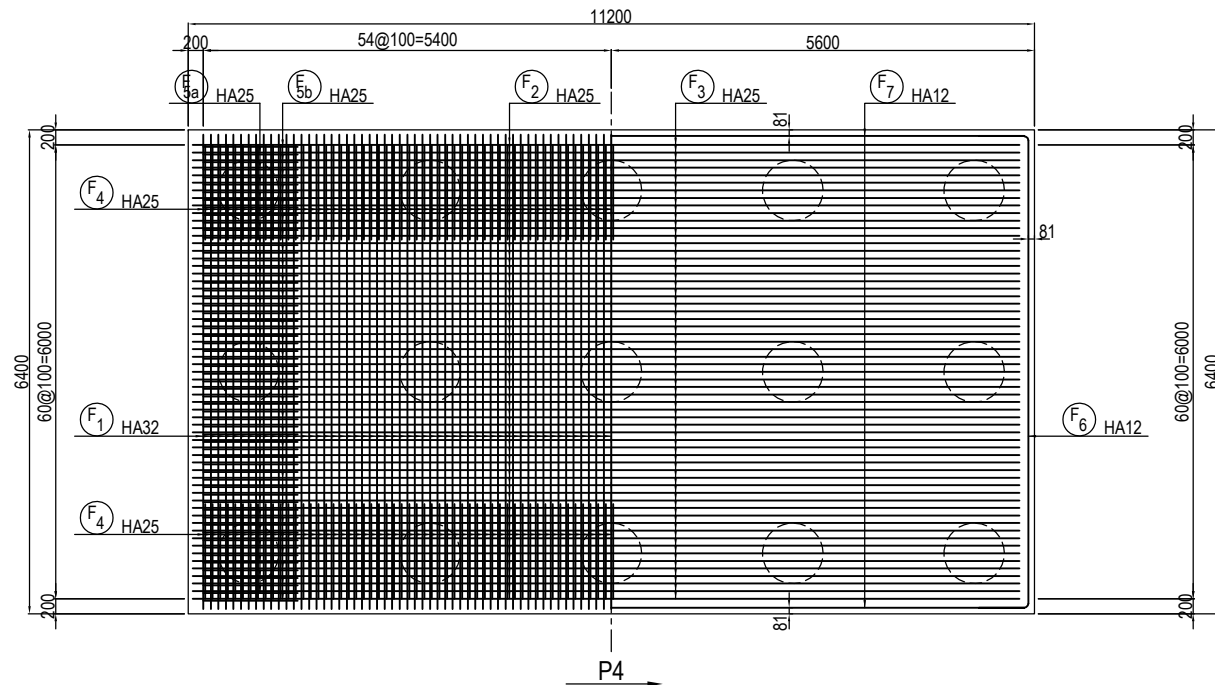
COUPE 1 - 1



COUPE 2 - 2

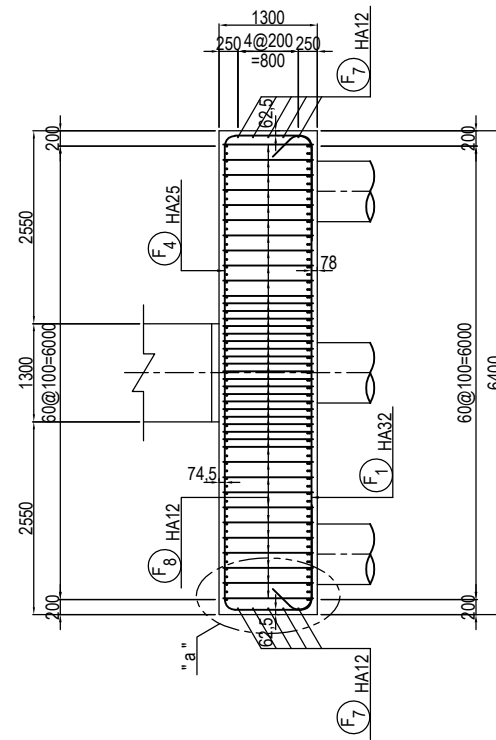


COUPE 3 - 3



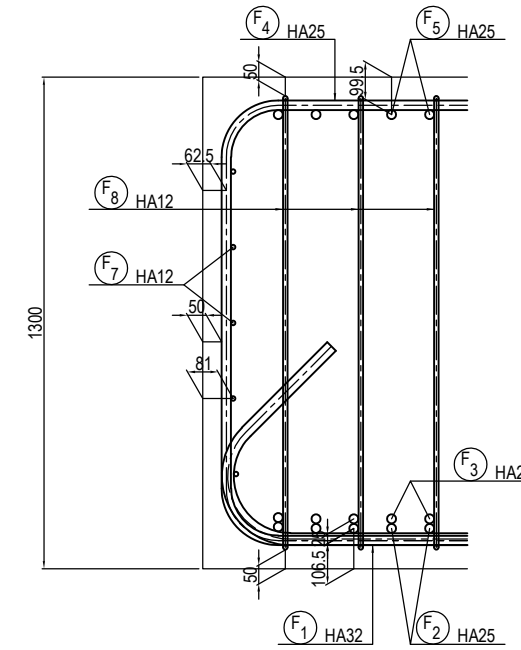
COUPE 4 - 4

COUPE 5 - 5



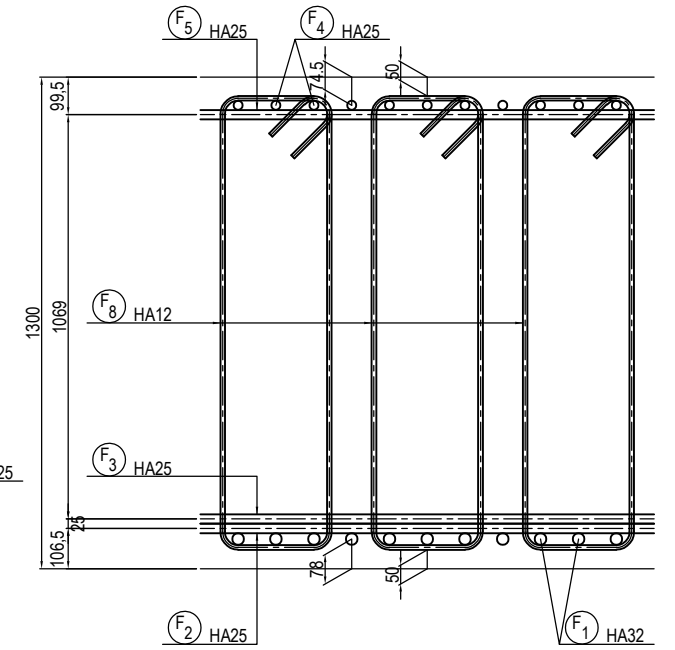
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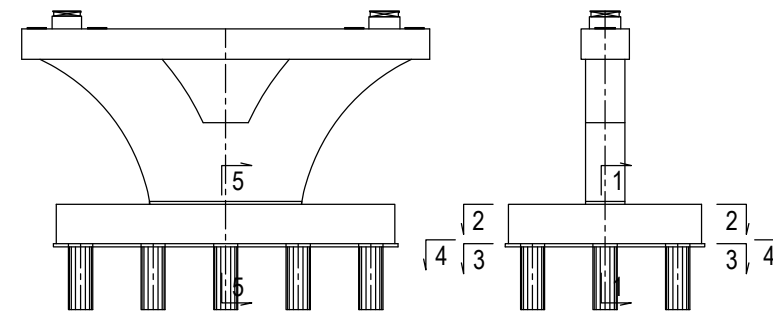


DETAIL "b" / DETAIL "b"

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



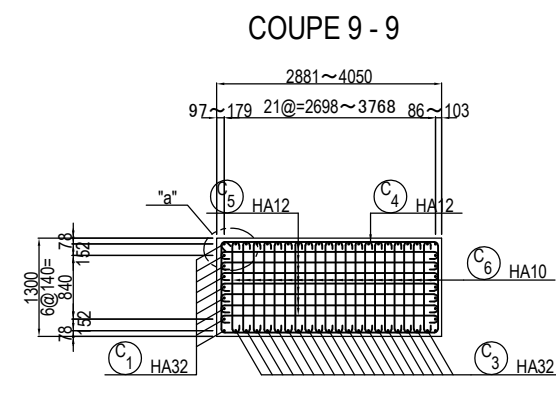
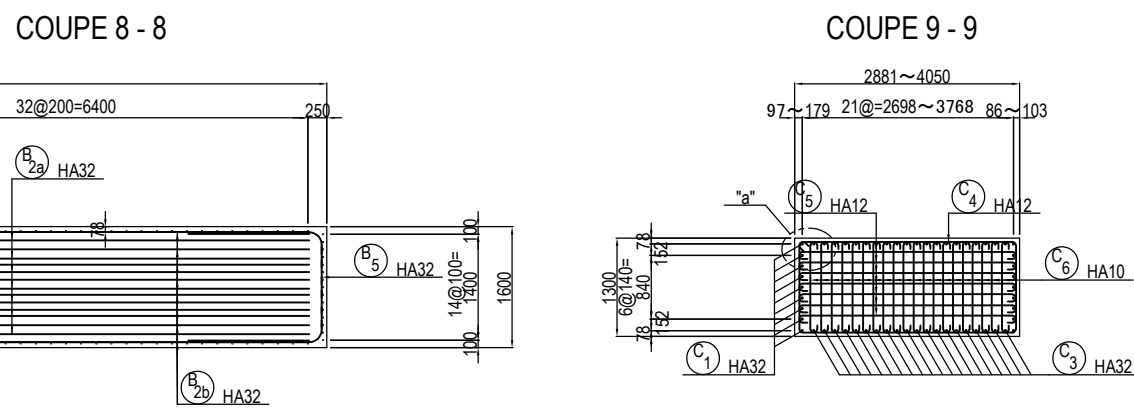
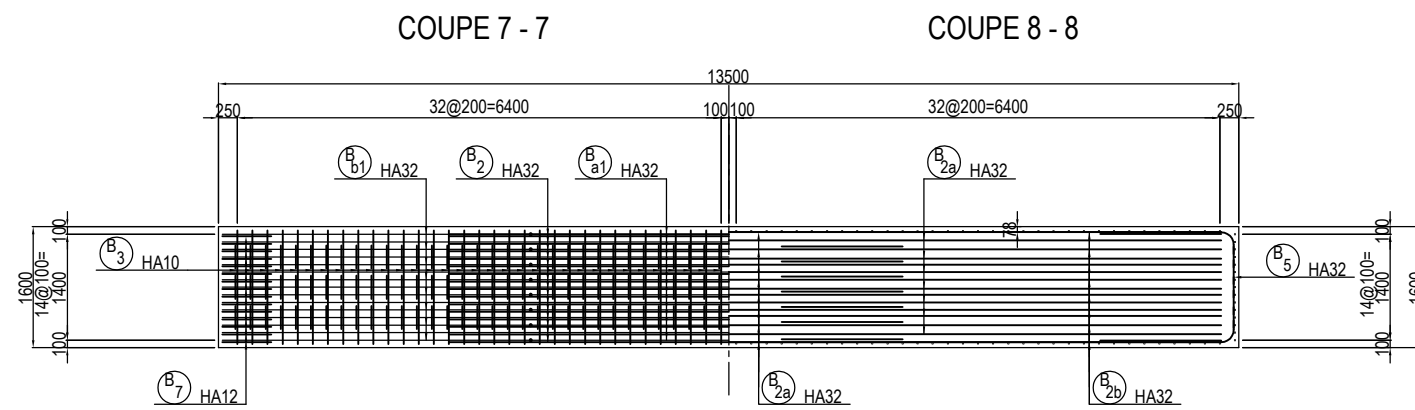
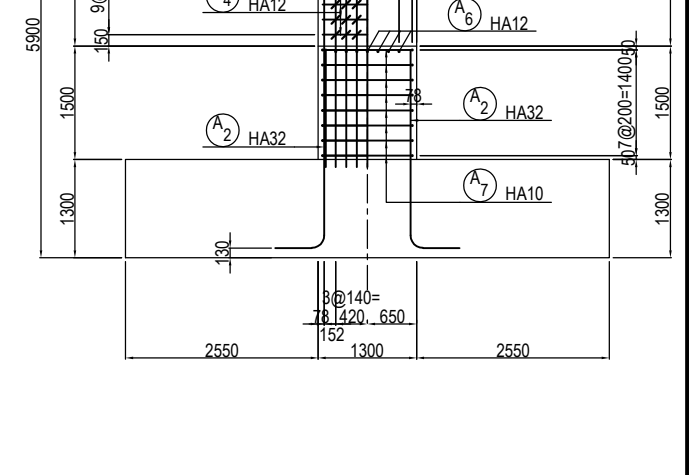
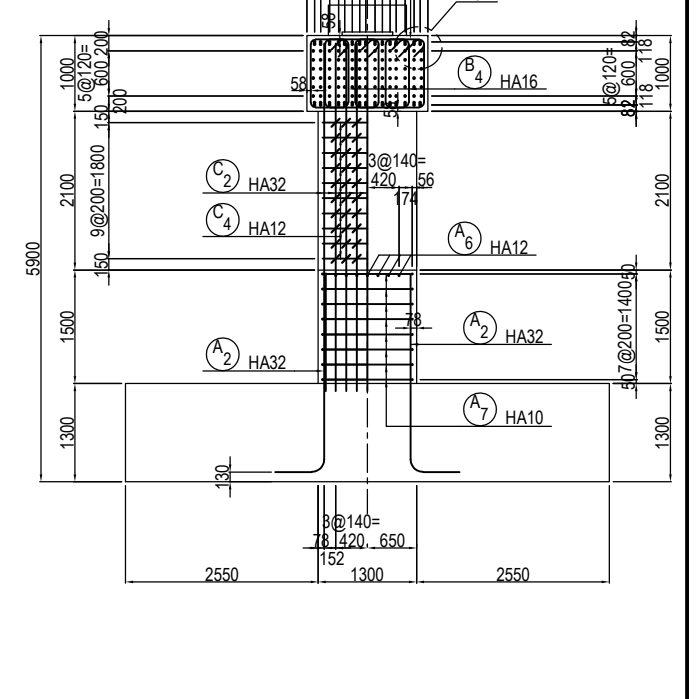
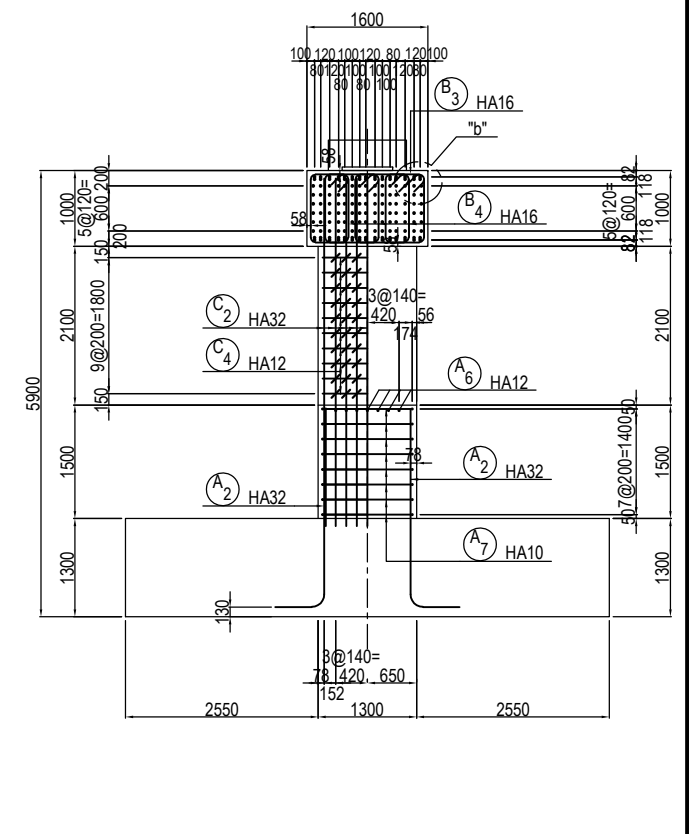
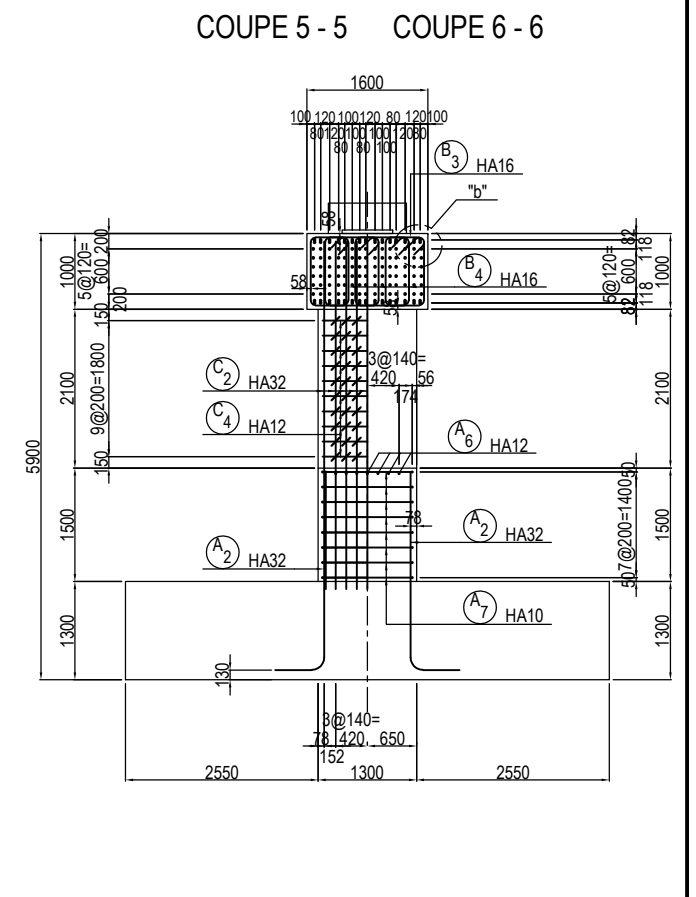
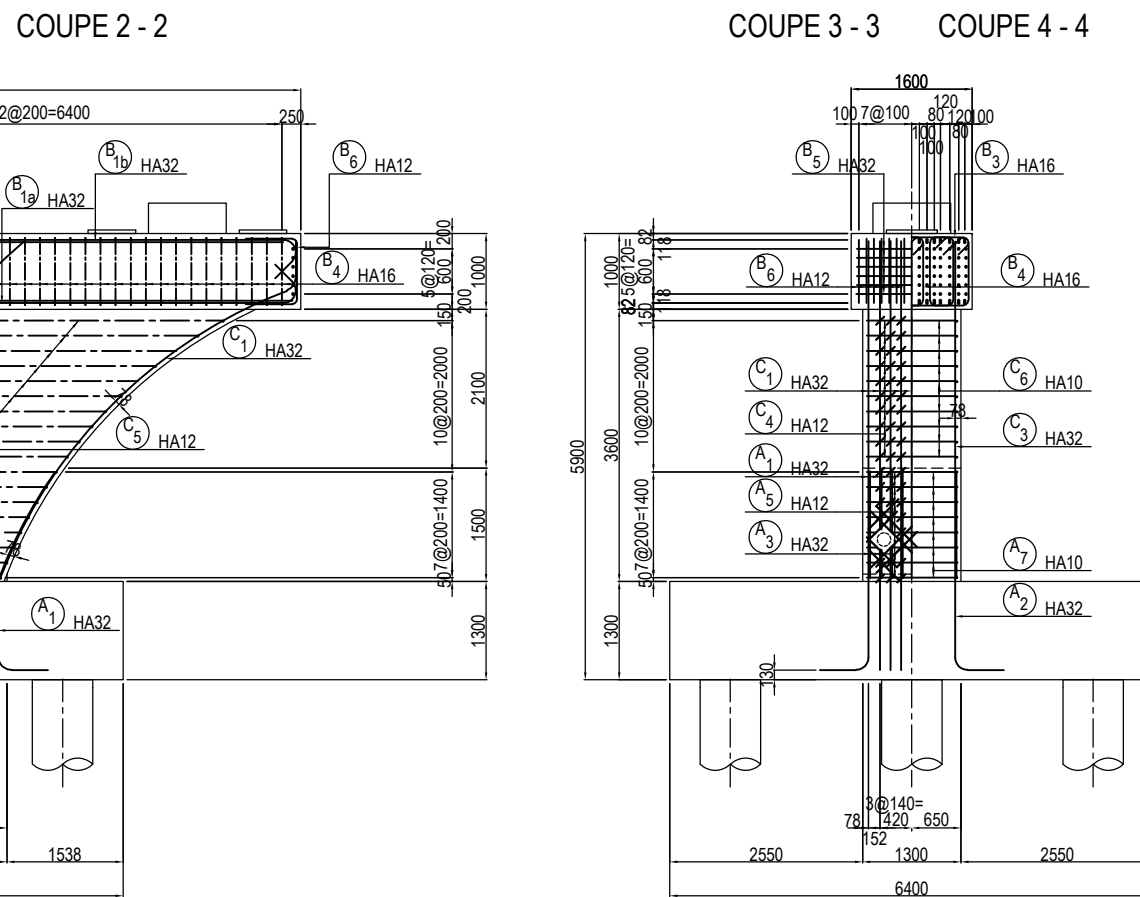
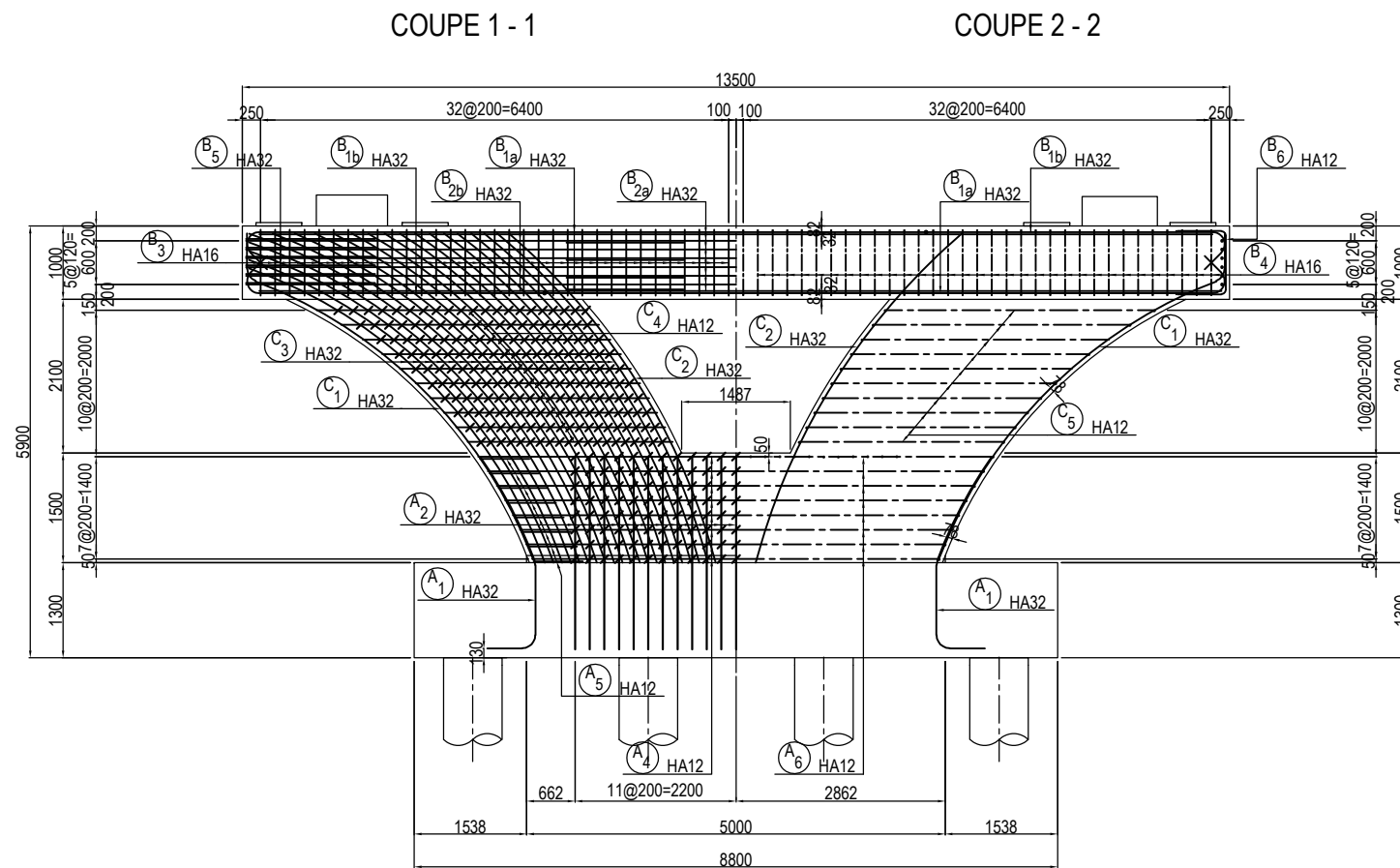
ORIENTAL CONSULTANTS GLOBAL CO., LTD.



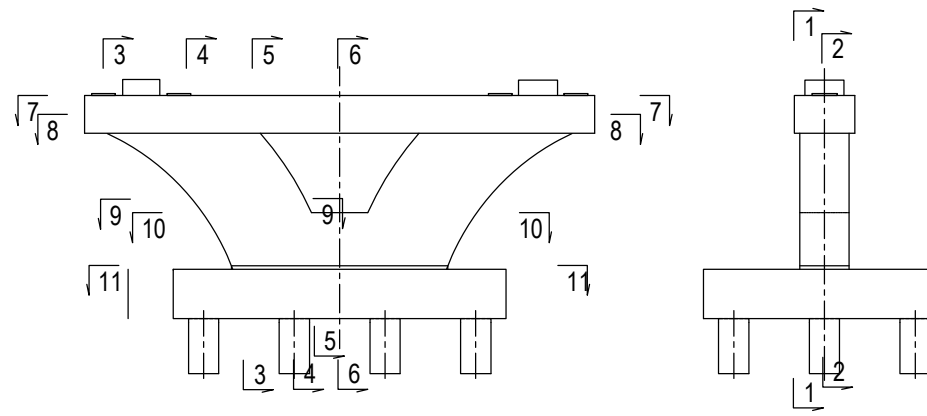
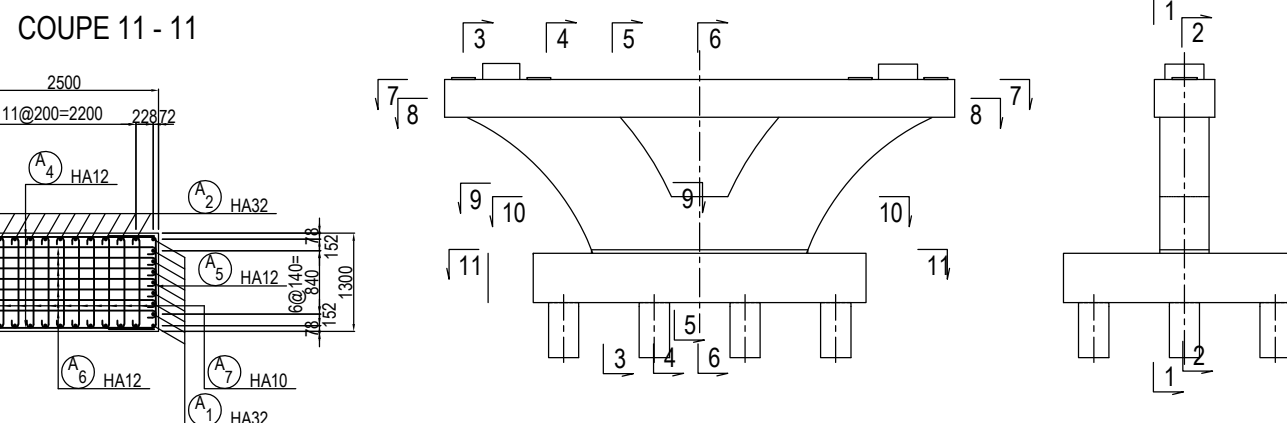
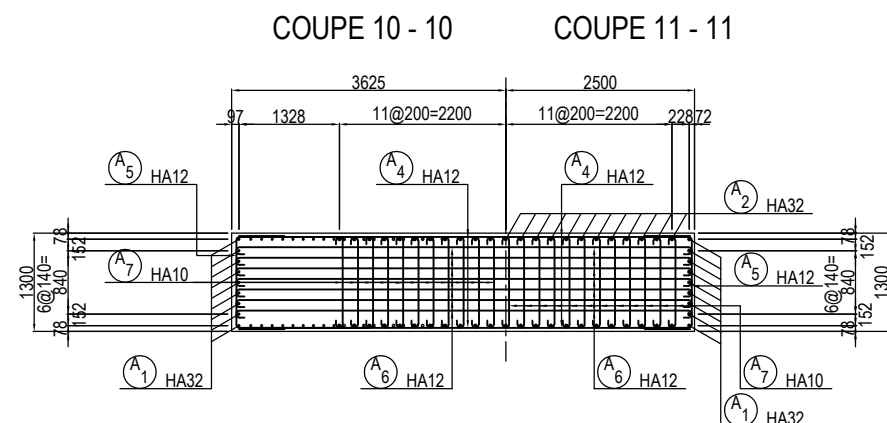
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RIVIERA 3
PILE P3 - FERRAILLAGE (3)
PIER P3 - BAR ARRANGEMENT (3)

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 :				
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-011	A	



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

RIVIERA 3
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

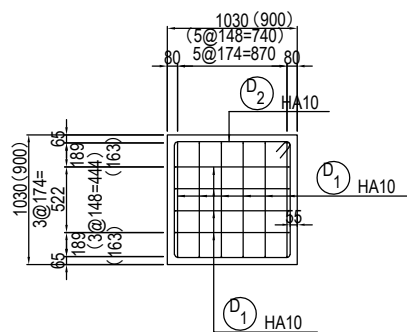
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A		S.N	J.R	T.K	PREMIERE VERSION	EXT

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-013	A

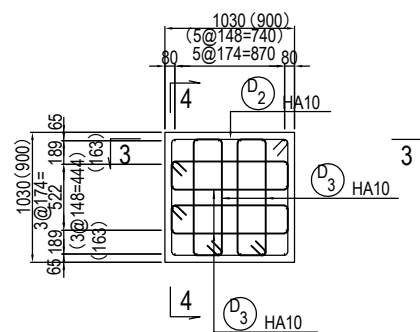
BARRE ARRIERE POUR APPAREILES D'APPUI
/ REBAR ARRANGEMENT FOR BEARINGS

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

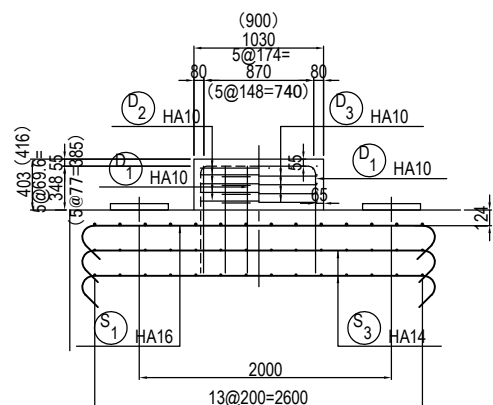
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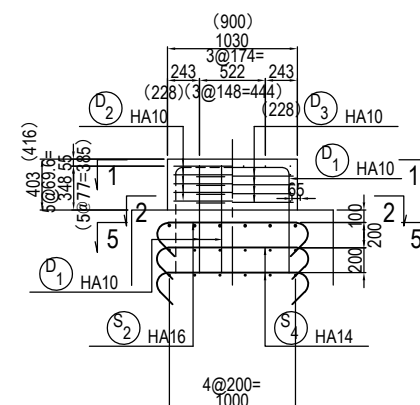
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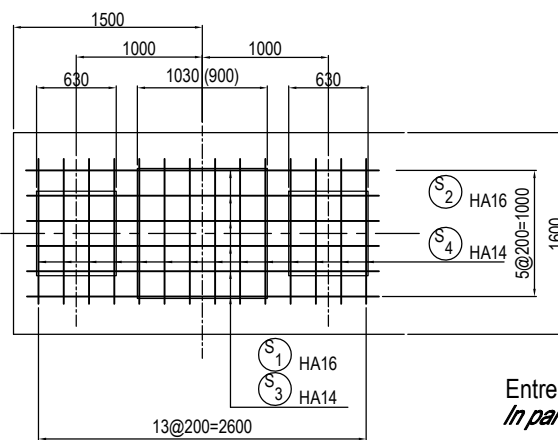
COUPE 3 - 3



COUPE 4 - 4

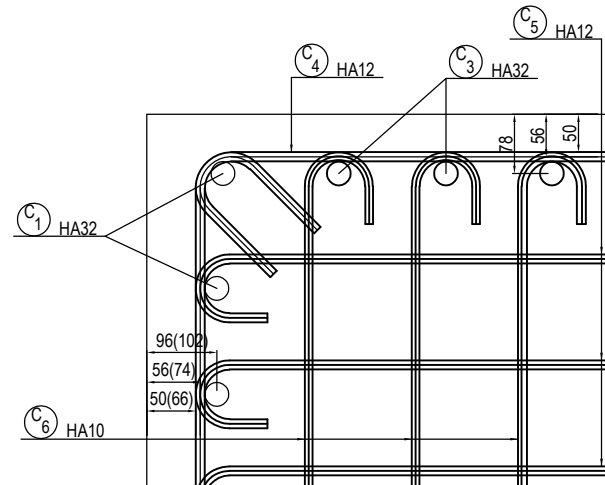


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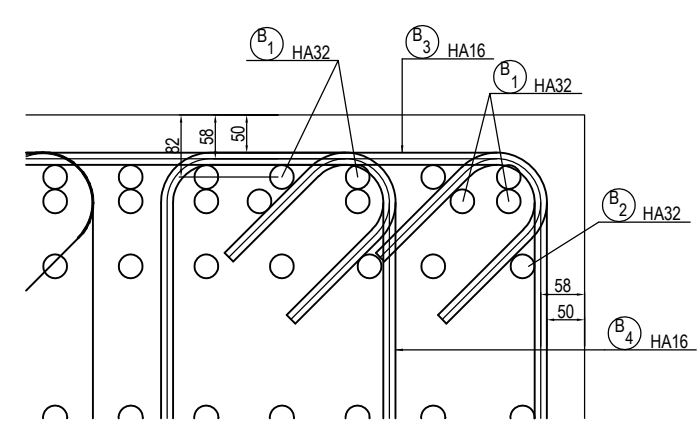


Entre parenthèses dimensions pour B2.
 In parentheses dimensions for B2.

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 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

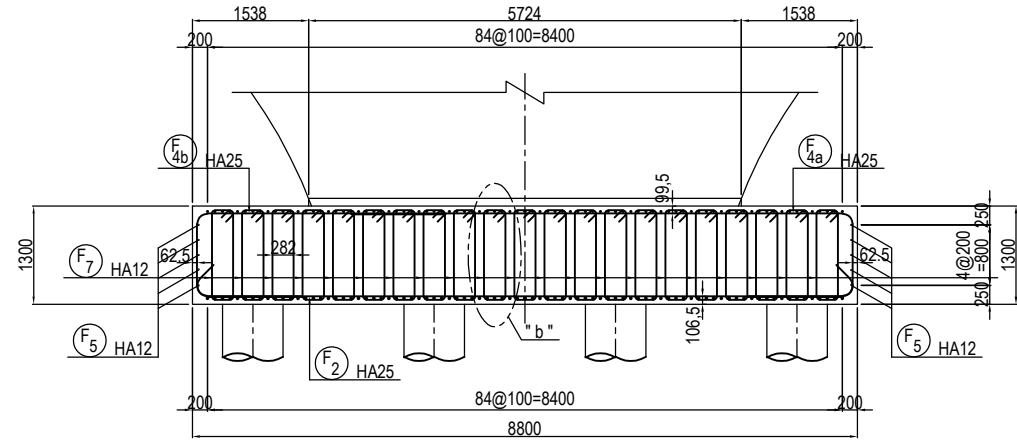
RIVIERA 3
PILE P4 - FERRAILLAGE (2)
PIER P4 - BAR ARRANGEMENT (2)

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

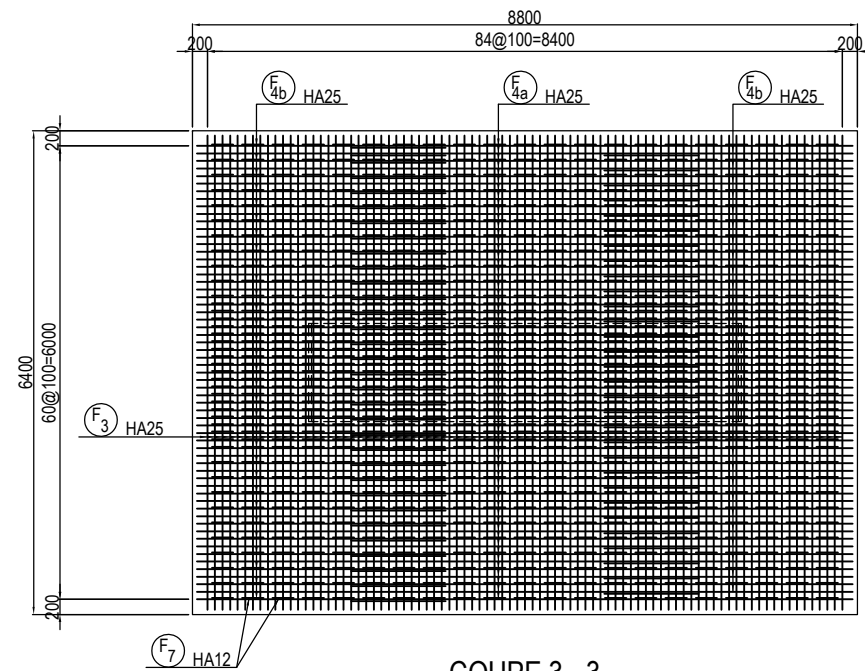
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Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
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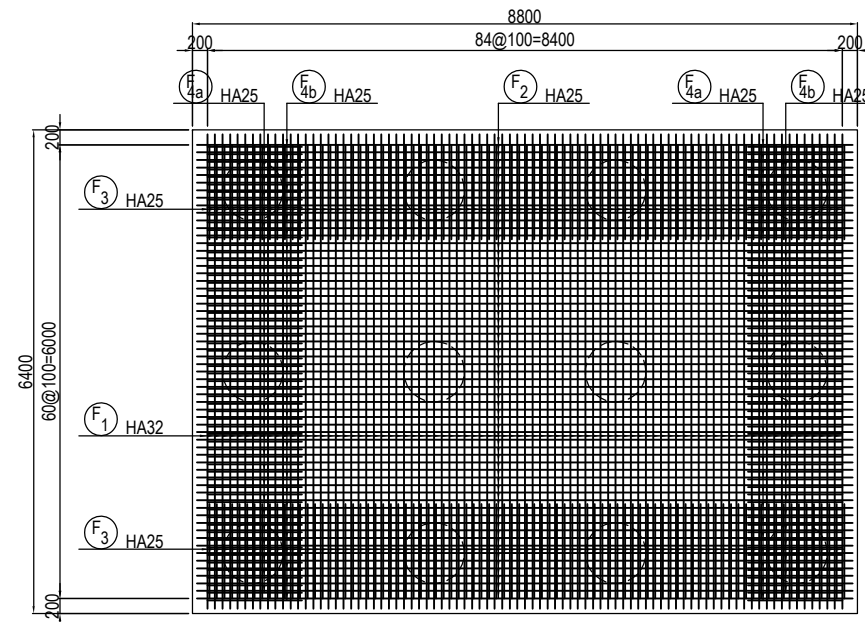
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 A1 S=1:50, A3 S=1:100
 COUPE 1 - 1



COUPE 2 - 2

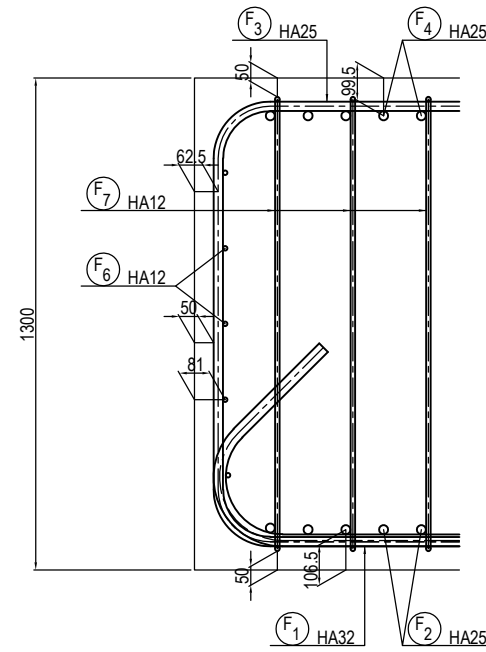


COUPE 3 - 3

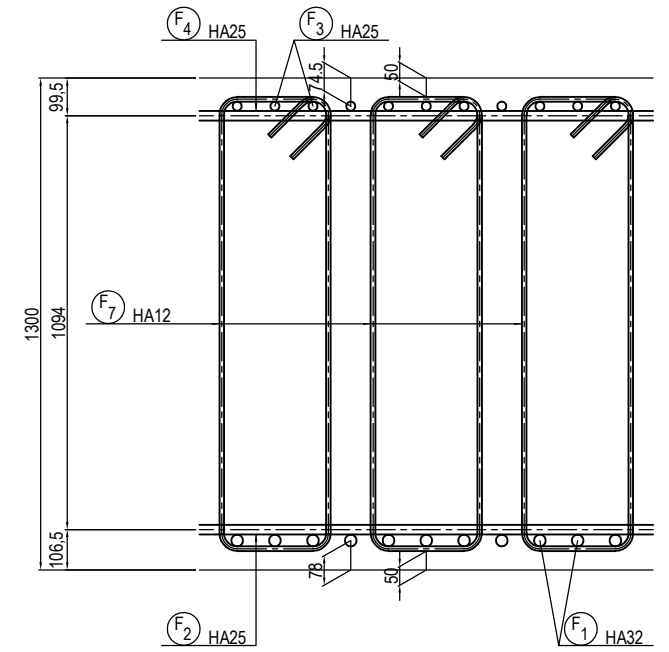


P3

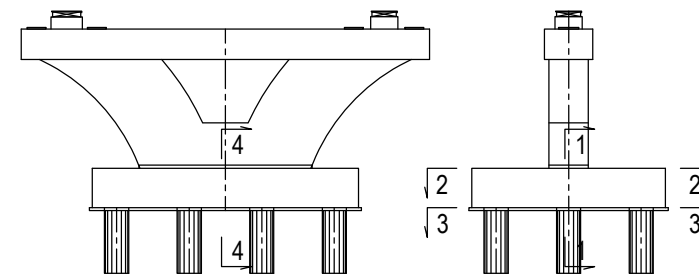
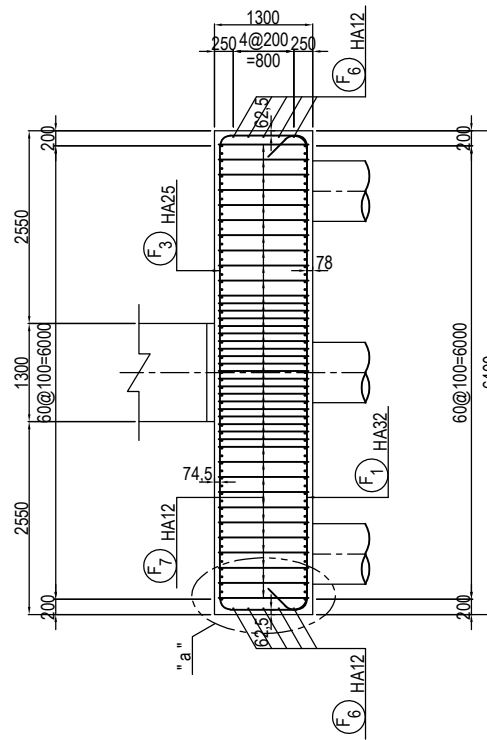
DETAIL "a" / DETAIL "a"
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 A1 S=1:10, A3 S=1:20



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



COUPE 4 - 4



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.

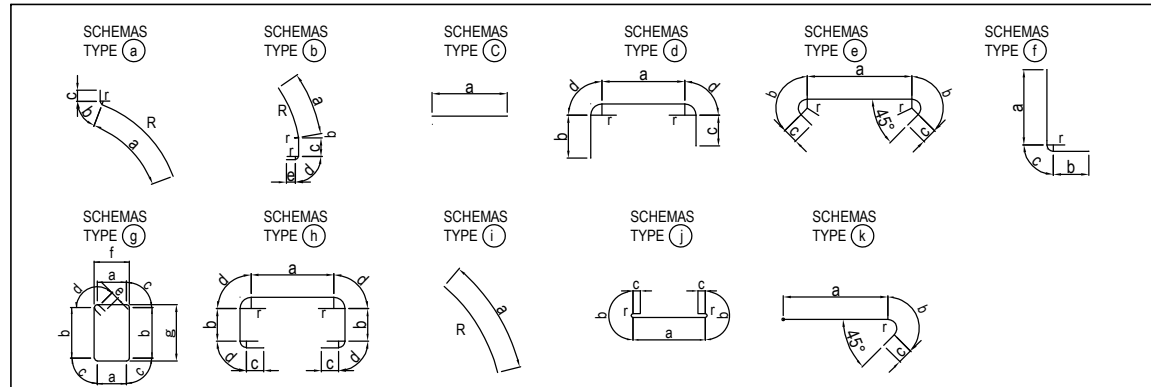


INGÉROSEC CORPORATION

RIVIERA 3
 PILE P4 - FERRAILLAGE (3)
 PIER P4 - 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-RT-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														
B a1	HA	32	(k)	9.29	0.39	0.32	—	—	—	—	0.182	10.00	60	600.00
B b1	HA	32	(k)	3.75	0.39	0.32	—	—	—	—	0.182	4.46	60	267.60
B 2a	HA	32	(c)	9.00	—	—	—	—	—	—	—	9.00	90	810.00
B 2b	HA	32	(c)	5.88	—	—	—	—	—	—	—	5.88	90	529.20
B 3	HA	16	(g)	0.72	1.32	0.13	0.20	0.16	0.88	1.48	0.091	5.19	66	342.54
B 4	HA	16	(g)	0.13	0.72	0.13	0.20	0.16	0.29	0.88	0.091	2.81	198	556.38
B 5	HA	32	(d)	1.34	1.60	1.60	0.09	—	—	—	0.062	4720	12	56.64
B 6	HA	12	(d)	0.74	0.60	0.60	0.09	—	—	—	0.062	2.12	30	63.60

C 1	HA	32	(a)	5.56	0.20	0.48	—	—	—	—	R6.50 0.182	6.24	18	112.32
C 2	HA	32	(i)	5.50	—	—	—	—	—	—	R9.00	5.50	18	99.00
C 3	HA	32	(i)	6.71 ~5.53	—	—	—	—	—	—	R6.50 ~9.00	6.12	80	489.60
C 4	HA	12	(g)	1.11	2.71 ~3.61	0.06	0.10	0.12	1.19	2.79 ~3.69	0.047	9.16	20	183.20
C 5	HA	12	(j)	2.71 ~3.61	0.13	0.06	—	—	—	—	0.047	3.54	140	495.60
C 6	HA	10	(j)	1.11	0.13	0.05	—	—	—	—	0.045	1.47	400	588.00

A 1	HA	32	(b)	1.61	0.06	0.96	0.26	0.48	—	—	R6.50 0.182	3.37	18	60.66
A 2	HA	32	(f)	2.45	0.48	0.26	—	—	—	—	0.182	3.19	46	146.74
A 3	HA	32	(c)	0.80	—	—	—	—	—	—	—	0.80	16	12.80
A 4	HA	12	(c)	5.47 ~6.95	—	—	—	—	—	—	—	6.21	16	99.36
A 5	HA	12	(d)	1.08	0.60	0.60	0.09	—	—	—	0.062	2.46	16	39.36
A 6	HA	12	(j)	5.47 ~6.95	0.13	0.06	—	—	—	—	0.047	6.59	56	369.04
A 7	HA	10	(j)	1.11	0.13	0.05	—	—	—	—	0.045	1.47	184	270.48

F 1	HA	32	(a)	5.94	0.39	0.32	—	—	—	—	0.182	7.36	85	625.60
F 2	HA	25	(a)	8.40	0.32	0.25	—	—	—	—	0.150	9.54	61	581.94
F 3	HA	25	(b)	6.00	0.88	1.25	0.22	—	—	—	0.150	11.14	85	946.90
F 4a	HA	25	(c)	0.82	6.50	1.25	0.22	—	—	—	0.150	9.01	61	549.61
F 4b	HA	25	(c)	0.82	3.15	1.25	0.22	—	—	—	0.150	5.66	61	345.26
F 5	HA	12	(c)	6.13	0.60	0.60	0.09	—	—	—	0.062	7.51	10	75.10
F 6	HA	12	(d)	8.53	—	—	—	—	—	—	—	8.53	10	85.30
F 7	HA	12	(e)	0.20	1.11	0.06	0.10	0.12	0.28	1.19	0.047	3.24	861	2789.64

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)	2.63	0.20	0.16	—	—	—	—	0.091	3.35	6	20.10
S 2	HA	16	(e)	1.03	0.20	0.16	—	—	—	—	0.091	1.75	14	21.70
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	12	42.00
S 4	HA	14	(e)	1.04	0.19	0.14	—	—	—	—	0.089	1.70	28	47.60
D 1	HA	10	(d)	0.79	0.80	0.80	0.09	—	—	—	0.060	2.56	10	25.60
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	6	21.30
S 2	HA	16	(e)	1.03	0.20	0.16	—	—	—	—	0.091	1.75	14	24.50
S 3	HA	14	(e)	2.84	0.19	0.14	—	—	—	—	0.089	3.50	12	42.00
S 4	HA	14	(e)	1.04	0.19	0.14	—	—	—	—	0.089	1.70	28	47.60
D 1	HA	10	(d)	0.66	0.81	0.81	0.09	—	—	—	0.060	2.46	10	24.60
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)	0.17	0.74	0.04	0.06	0.10	0.22	0.79	0.030	2.26	16	36.16

* La dimension radiale indique l'extérieur 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)	1021.76	4256.84	179.20	989.32	—	2423.71	3753.52	TOTAL
POIDS (kg)	630.43	3780.07	216.47	1561.15	—	9340.98	23659.97	39225.07


TOTAL POUR P4 / TOTAL FOR P4

POIDS TOTAL(kg) : 39225.07


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

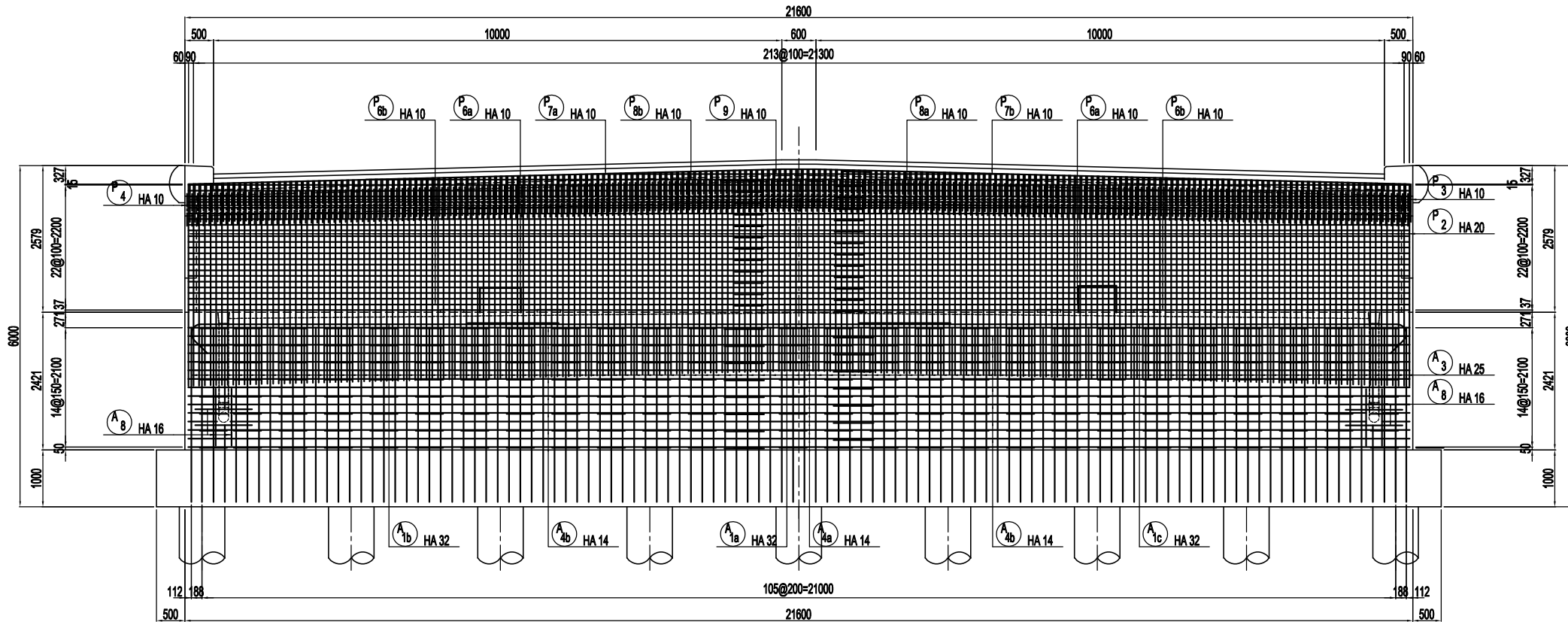
RIVIERA 3
PILE P4 - FERRAILLAGE (4)
PIER P4 - BAR ARRANGEMENT (4)

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

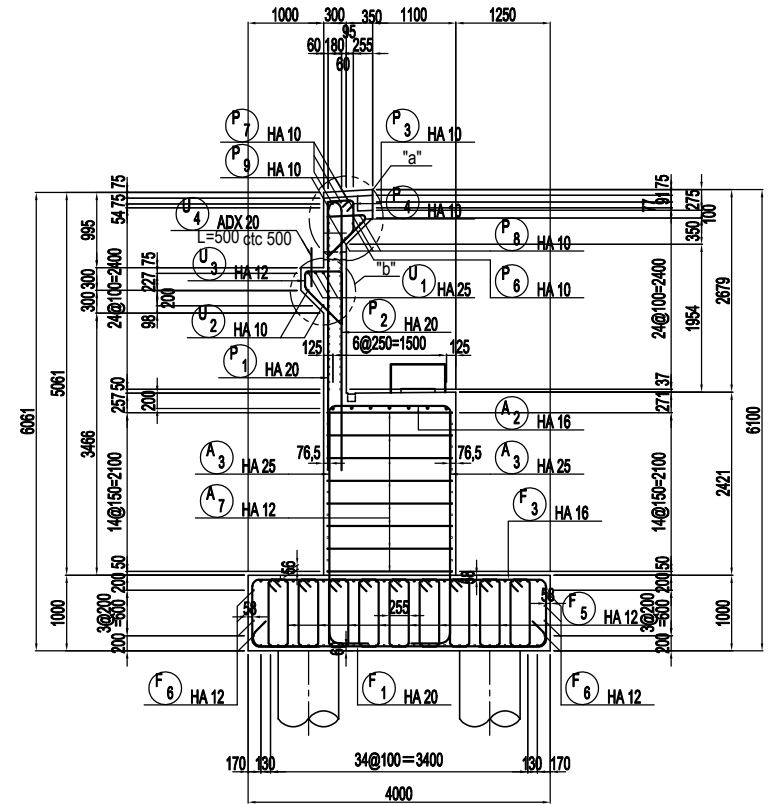
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Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCC, ISEC	BFM	PONT	DESSINS	H-RT-FE-016	A

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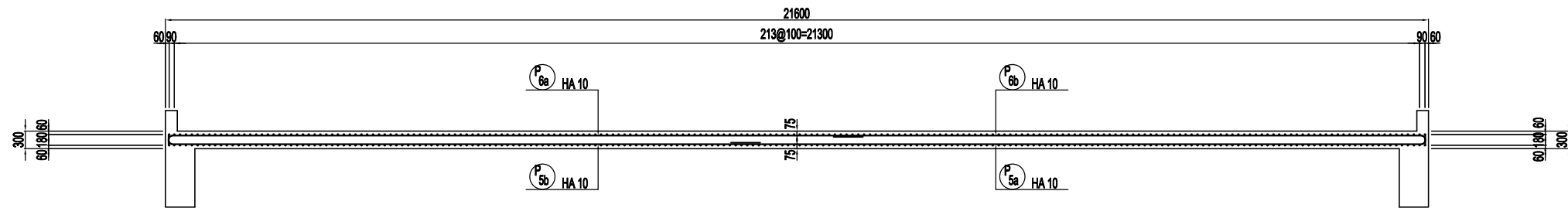
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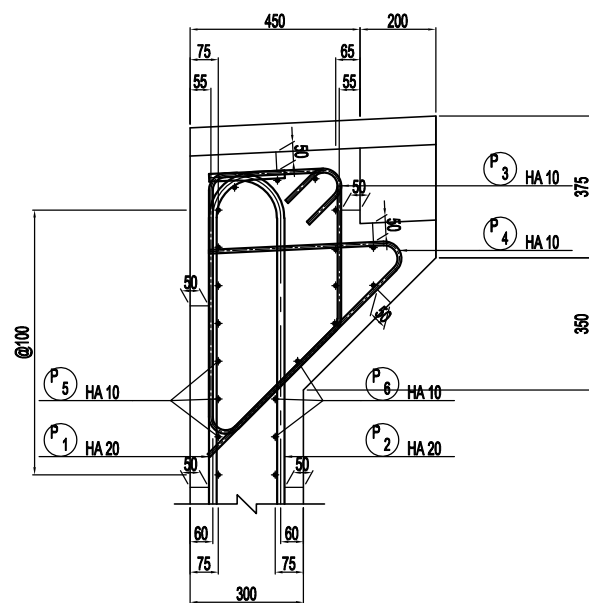
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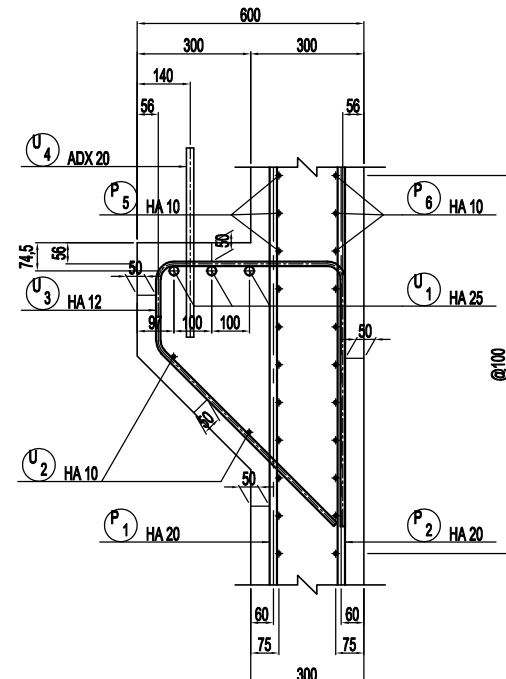
COUPE 3-3



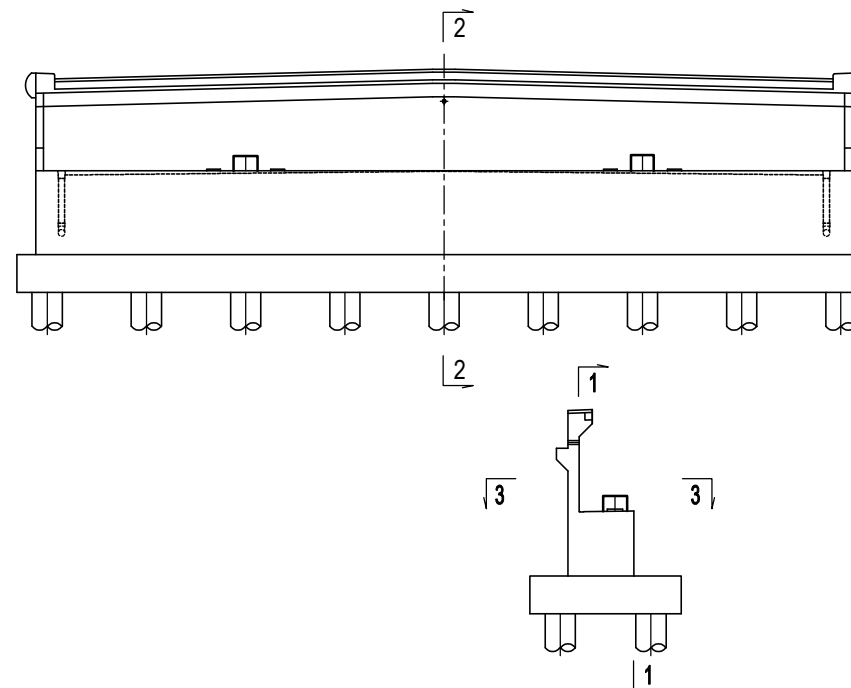
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A1 S=1:10, A3 S=1:20



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.



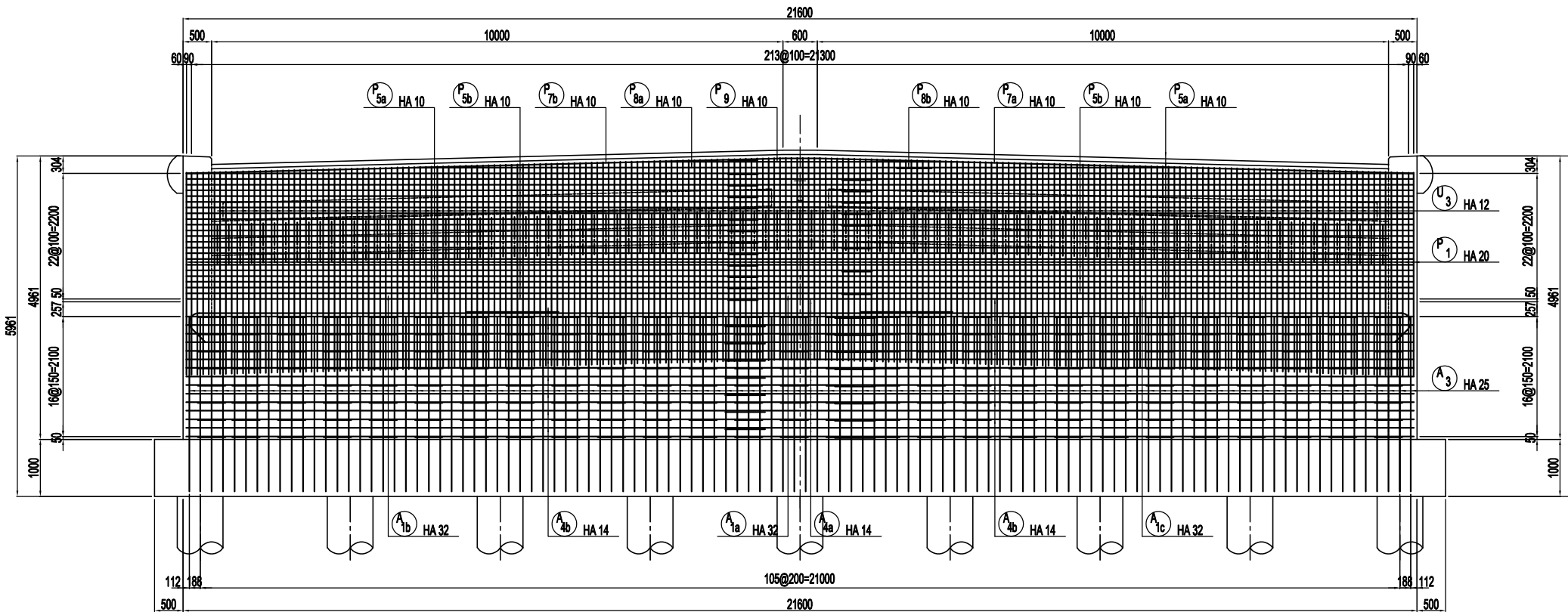
INGÉROSEC CORPORATION

RIVIERA 3
CULEE C1 - FERRAILLAGE (1)
ABUTMENT C1 - BAR ARRANGEMENT (1)

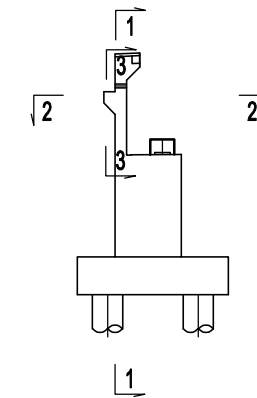
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A		S.N	J.R	T.K	PREMIERE VERSION	EXT

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
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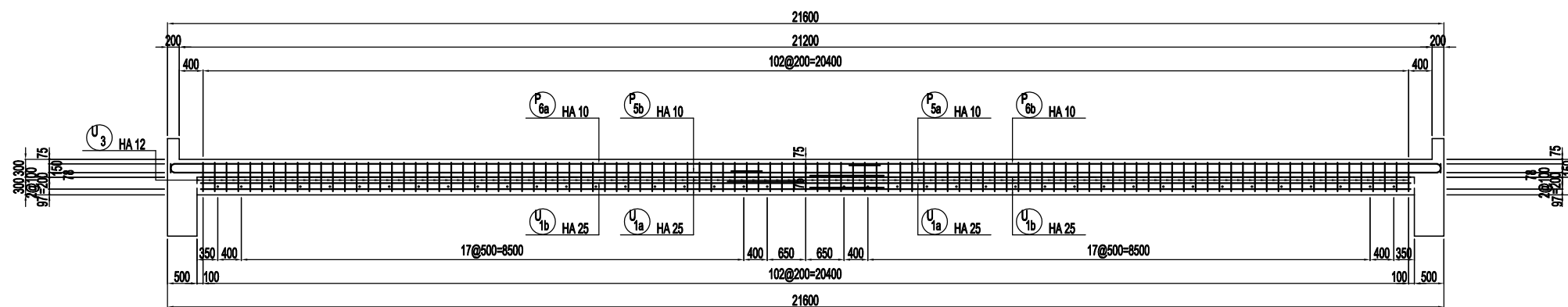
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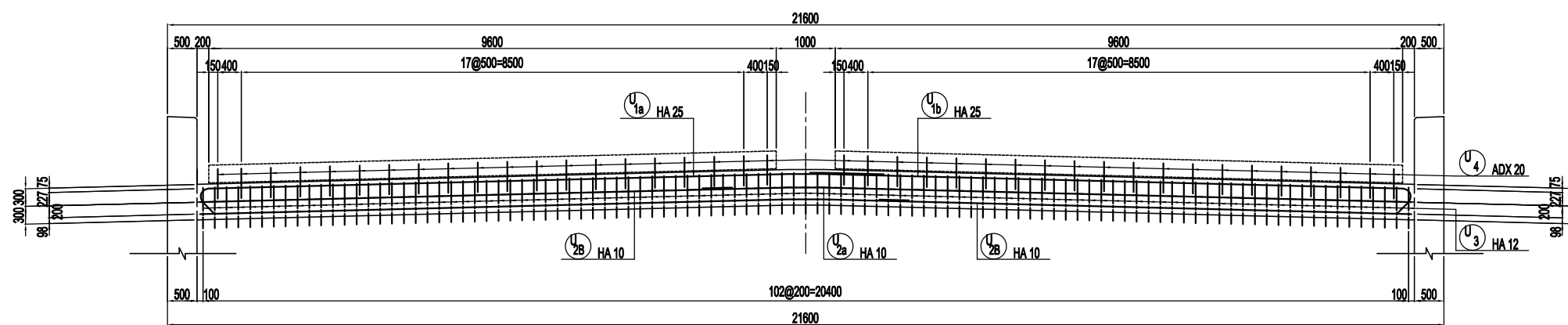
POSITION DE LA SECTION / POSITION OF THE SECTION



COUPE 2-2



COUPE 3-3



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

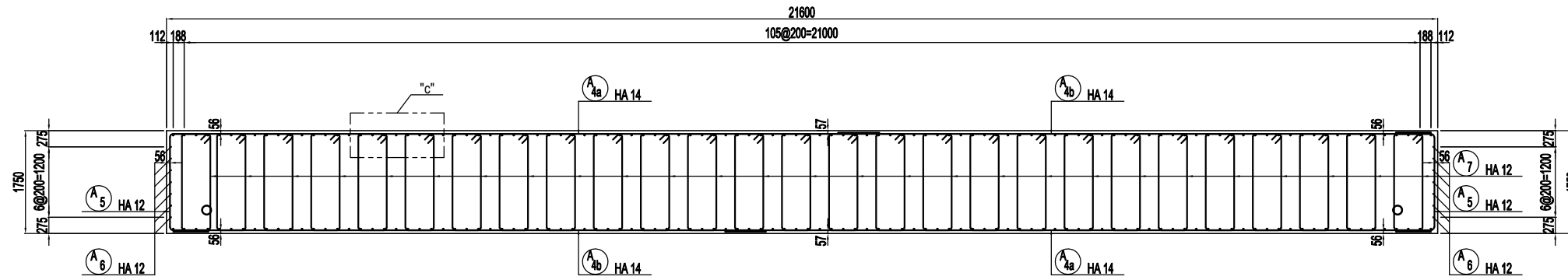
RIVIERA 3
CULEE C1 - FERRAILLAGE (2)
A1 E=1:50, A3 E=1:100
ABUTMENT C1 - BAR ARRANGEMENT (2)
A1 S=1:50, A3 S=1:100

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

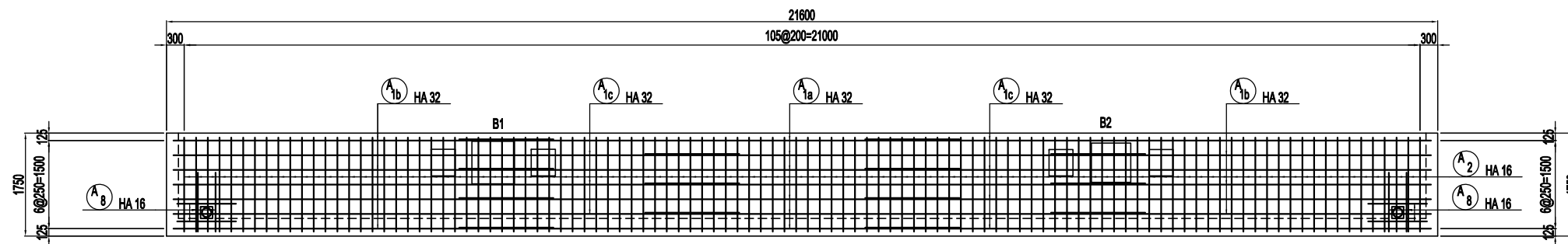
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Émetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCC, ISEC	BFM	PONT	DESSINS	H-RT-FE-018	A	

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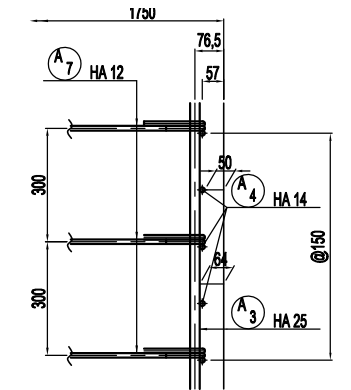
COUPE 1-1



COUPE 2-2



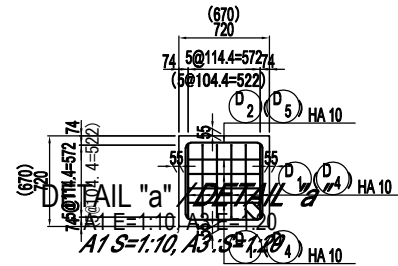
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A1 S=1:10, A3 S=1:20



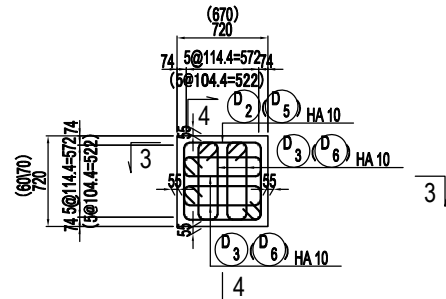
BARRE ARRIERE POUR APPAREILES D'APPUIS
/ REBAR ARRANGEMENT FOR BEARINGS

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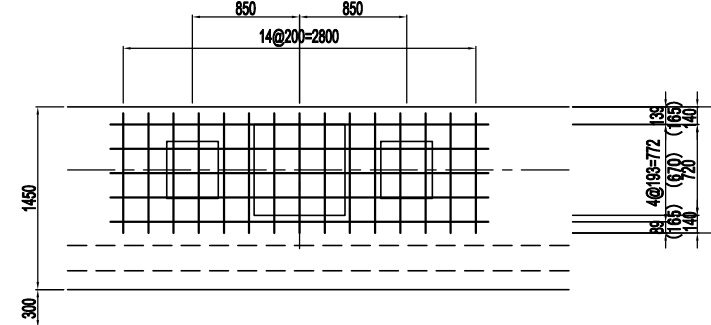
COUPE 1-1



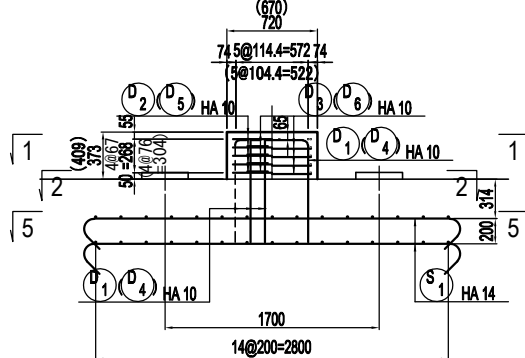
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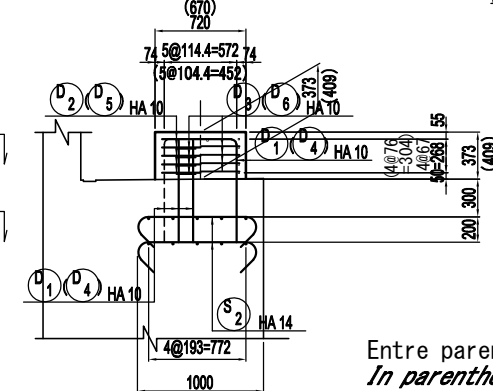
COUPE 5-5



COUPE 3-3

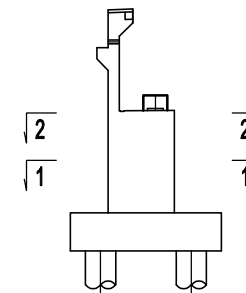


COUPE 4-4



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

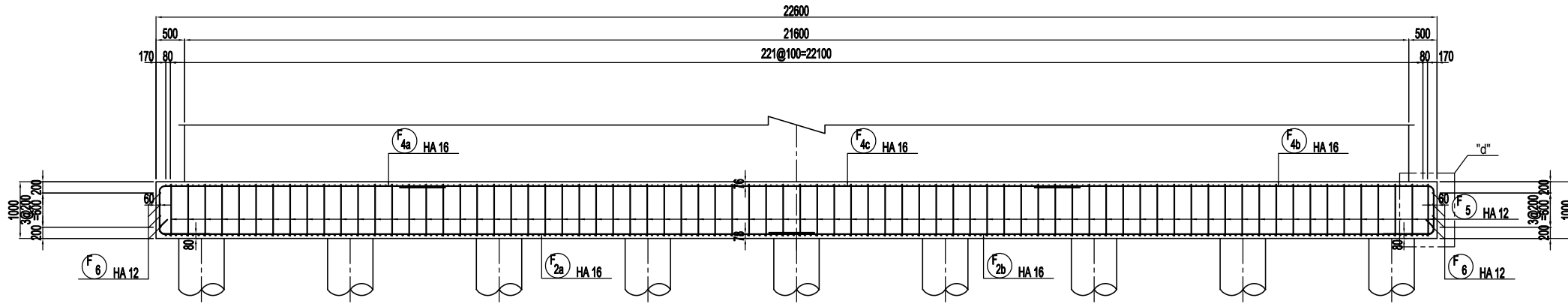
RIVIERA 3
CULEE C1 - FERRAILLAGE (3)
ABUTMENT C1 - BAR ARRANGEMENT (3)

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-RT-FE-019	A

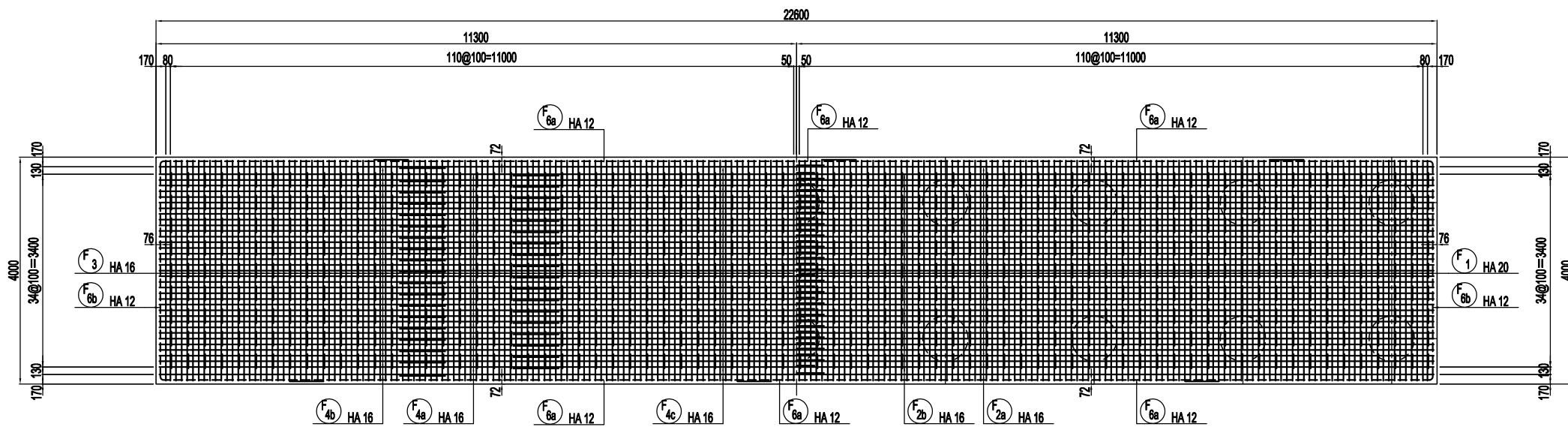
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COUPE 1 - 1



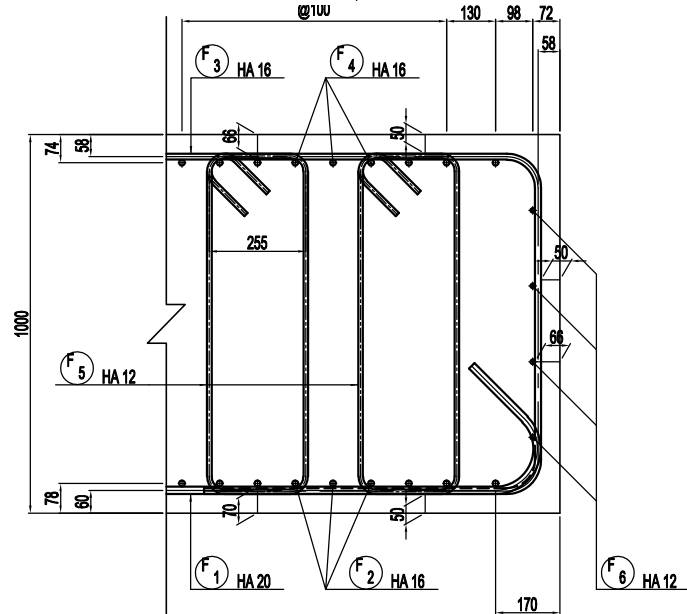
COUPE 2 - 2

COUPE 3 - 3

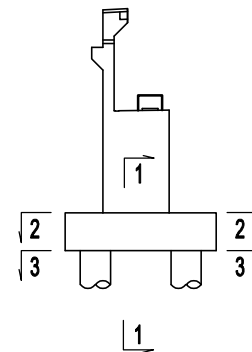


DETAIL "d" / DETAIL "d"

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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



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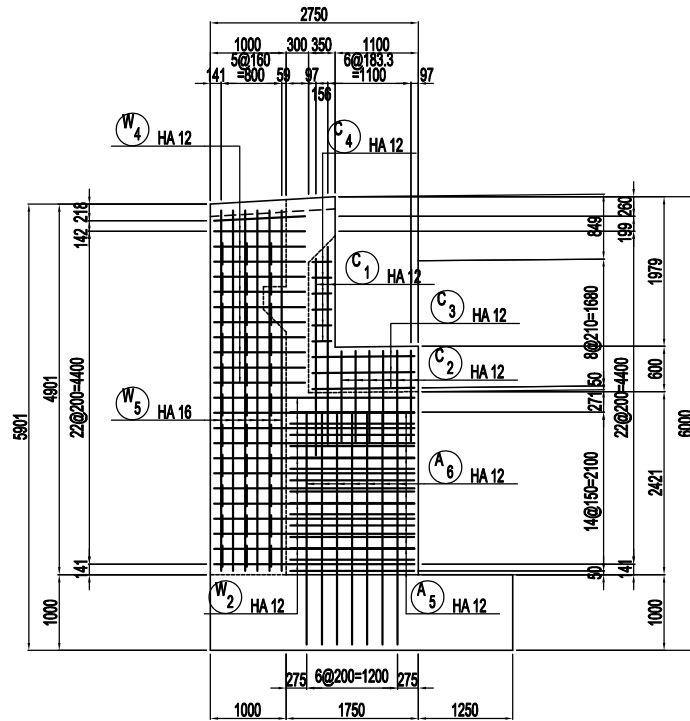
RIVIERA 3
CULEE C1 - FERRAILLAGE (4)
ABUTMENT C1 - BAR ARRANGEMENT (4)

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

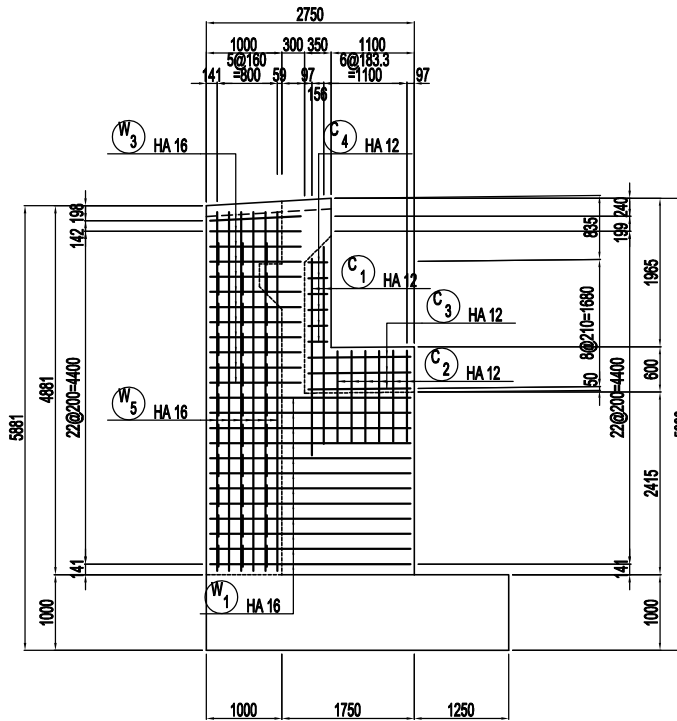
Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index
OCG, ISEC	BFM	PONT	DESSINS	H-RT-FE-020	A

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

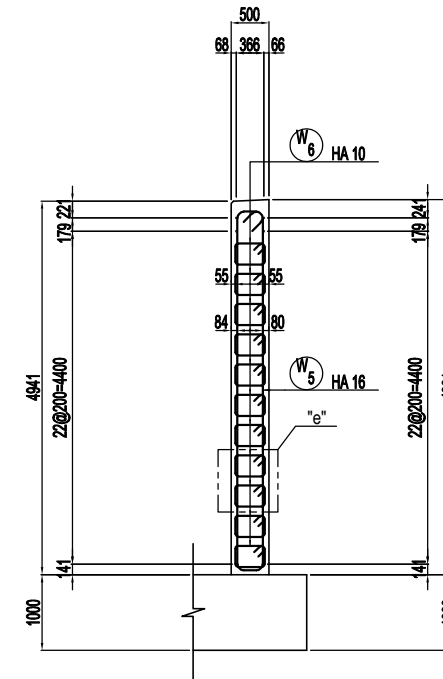
COUPE 1-1



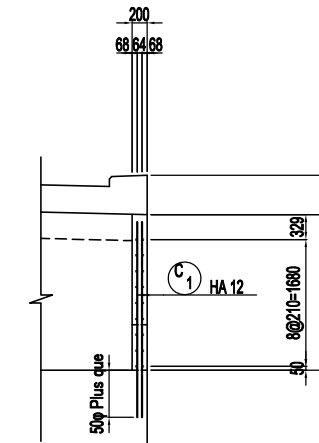
COUPE 2-2



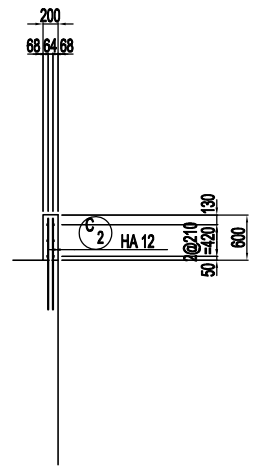
COUPE 3-3



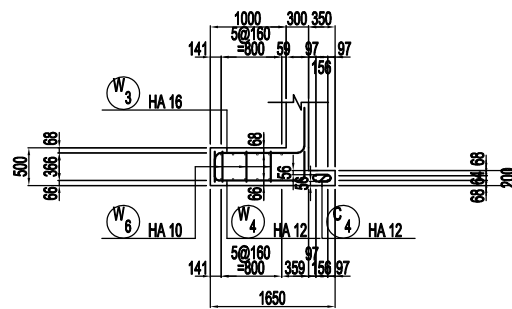
COUPE 4-4



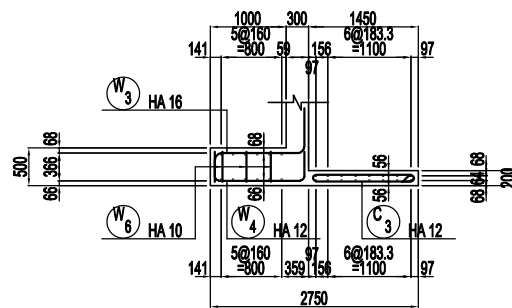
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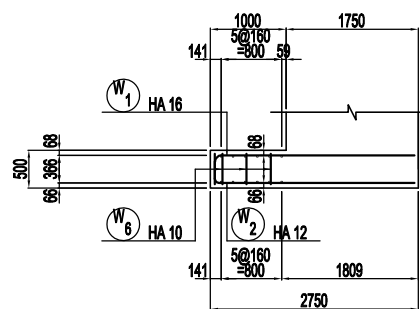
COUPE 6-6



COUPE 7-7

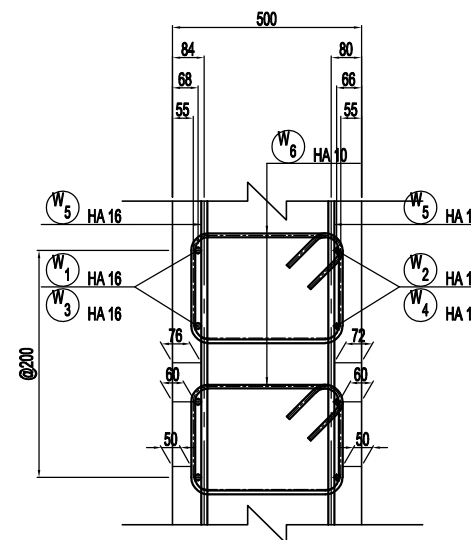


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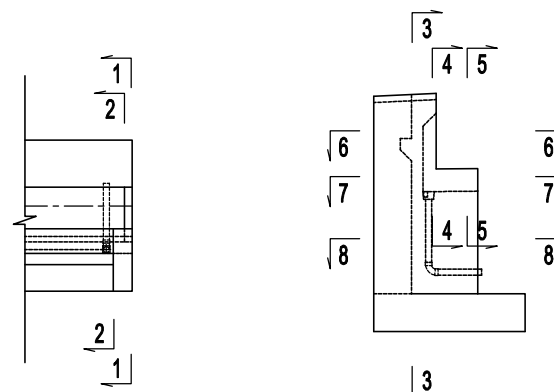


DETAIL "e" / DETAIL "e"

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 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.

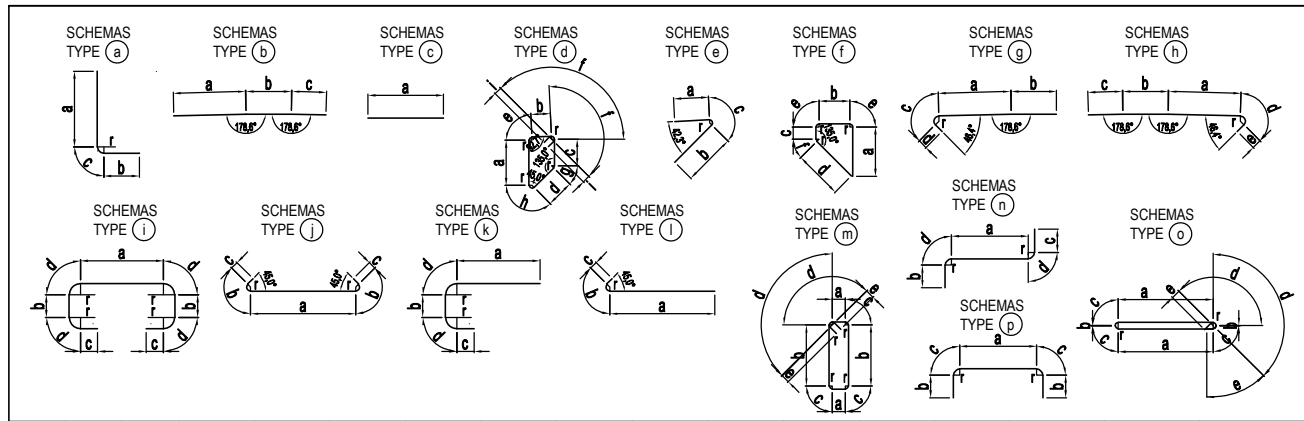


INGÉROSEC CORPORATION

RIVIERA 3
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

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-021	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 CULEE / QUANTITY OF REBARS FOR A ABUTMENT																
P 1	HA	20	(a)	3.43	0.09	0.17	—	—	—	—	—	—	0.120	3.69	216	797.40
P 2	HA	20	(a)	3.43	0.07	0.18	—	—	—	—	—	—	0.120	3.69	216	797.40
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)	6.24 ~4.40	—	—	—	—	—	—	—	—	—	5.32	3	15.96
P 9	HA	10	(c)	7.24 ~5.39	—	—	—	—	—	—	—	—	—	6.32	2	12.64
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)	2.92	0.38	0.22	—	—	—	—	—	—	0.150	3.52	216	760.32
A 4a	HA	14	(c)	12.00	—	—	—	—	—	—	—	—	—	12.00	30	360.00
A 4b	HA	14	(c)	10.08	—	—	—	—	—	—	—	—	—	10.08	30	302.40
A 5	HA	12	(p)	1.53	0.60	0.09	—	—	—	—	—	—	0.062	2.91	30	87.30
A 6	HA	12	(a)	3.32	0.18	0.09	—	—	—	—	—	—	0.062	3.30	14	46.20
A 7	HA	12	(m)	0.40	1.56	0.06	0.10	0.12	—	—	—	—	0.047	4.54	216	980.64
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)	0.49	0.78	0.06	—	—	—	—	—	—	0.045	2.17	10	21.70
D 2	HA	10	(m)	0.53	0.53	0.06	0.09	0.10	—	—	—	—	0.045	2.74	5	13.70
D 3	HA	10	(m)	0.07	0.53	0.06	0.09	0.10	—	—	—	—	0.045	1.76	16	28.16
D 4	HA	10	(p)	0.44	0.81	0.06	—	—	—	—	—	—	0.045	2.18	10	21.80
D 5	HA	10	(m)	0.49	0.49	0.06	0.09	0.10	—	—	—	—	0.045	2.58	5	12.90
D 6	HA	10	(m)	0.07	0.49	0.06	0.09	0.10	—	—	—	—	0.045	1.68	16	26.88

* 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	24	71.76
W 2	HA	12	(a)	2.59	0.33	0.09	—	—	—	—	—	—	0.062	3.01	24	72.24
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	4.58	0.13	0.20	0.16	—	—	—	—	0.091	10.09	12	121.08
W 6	HA	10	(m)	0.20	0.31	0.06	0.10	0.10	—	—	—	—	0.045	1.60	66	105.60
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)	2178.33	3486.34	817.80	4149.83	2624.32	828.15	179.62	TOTAL
POIDS (kg)	1344.03	3095.27	987.90	6548.43	6471.57	3191.69	1133.94	22773.43
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) : 22822.75

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

ORIENTAL CONSULTANTS GLOBAL CO., LTD.

INGÉROSEC CORPORATION

RIVIERA 3
CULEE C1 - FERRAILLAGE (6)
ABUTMENT C1 - BAR ARRANGEMENT (6)

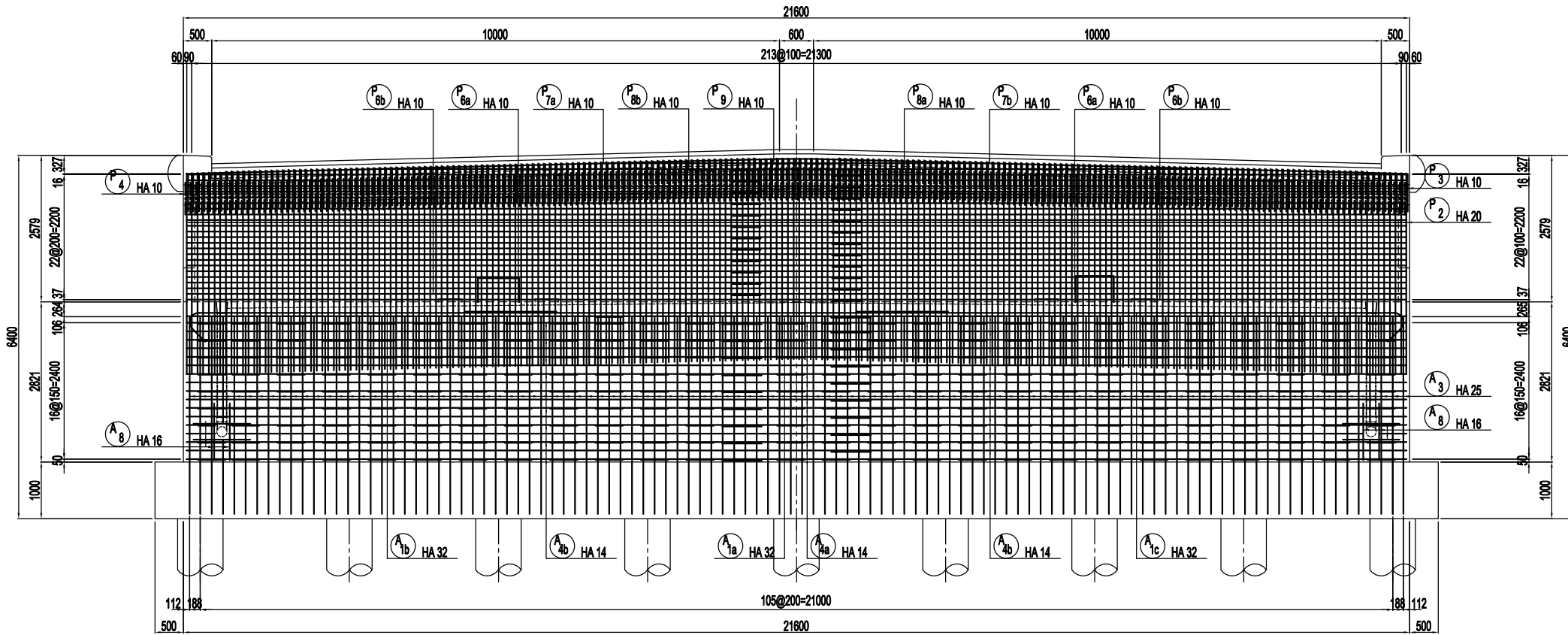
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A		S.N	J.R	T.K	PREMIERE VERSION	EXT

Format : A3 Fichier/ File :

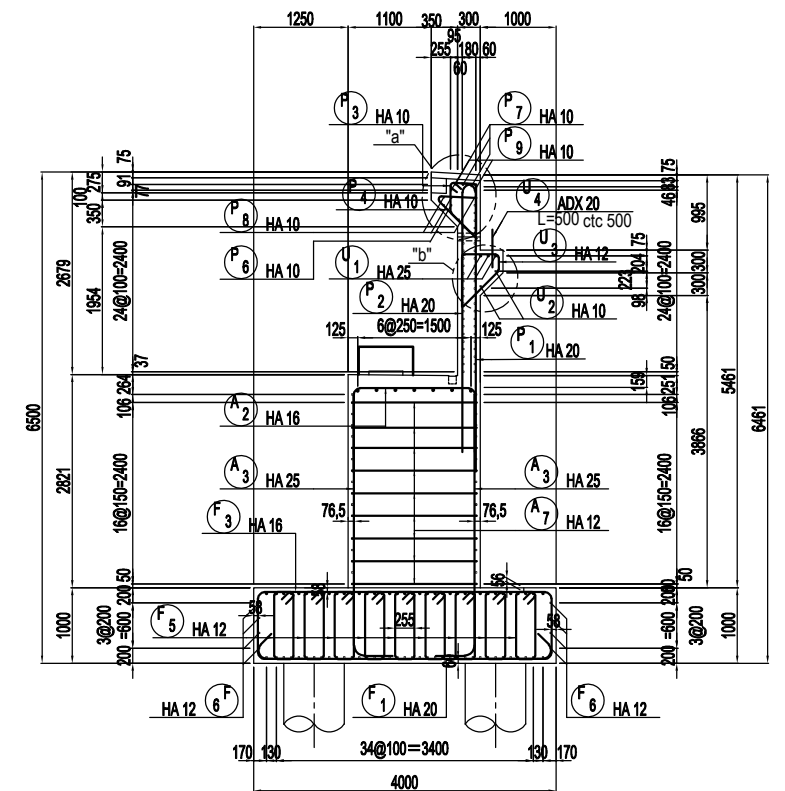
Emetteur / Issuer	Localisation / Location	Type d'ouvrage -Activité / Type of structure -Activity	Type de document / Type of document	N° / No.	Indice / Index
OCC, ISEC	BFM	PONT	DESSINS	H-RT-FE-022	A

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

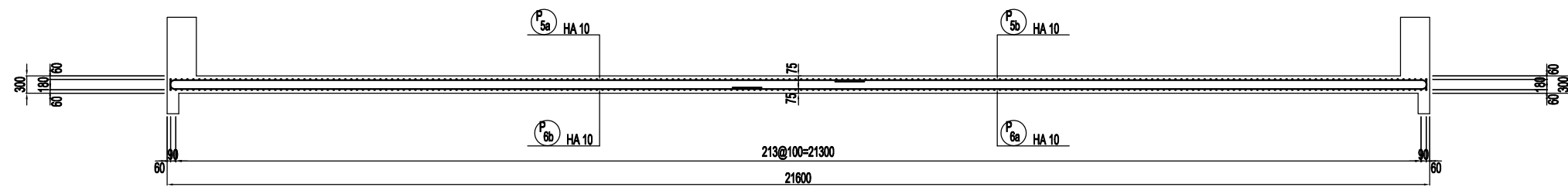
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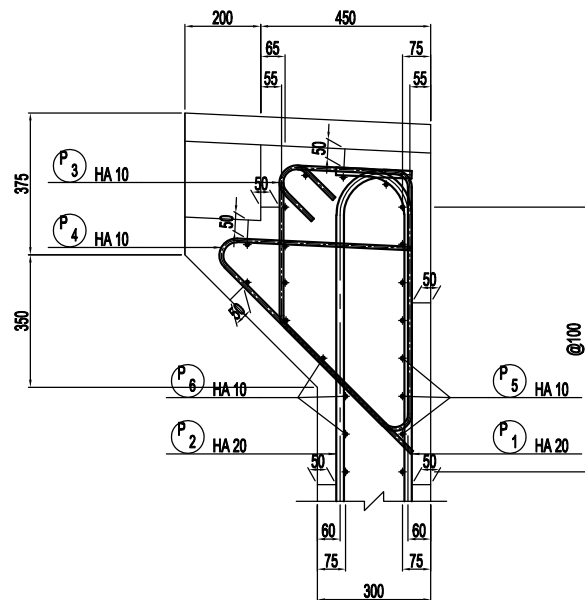
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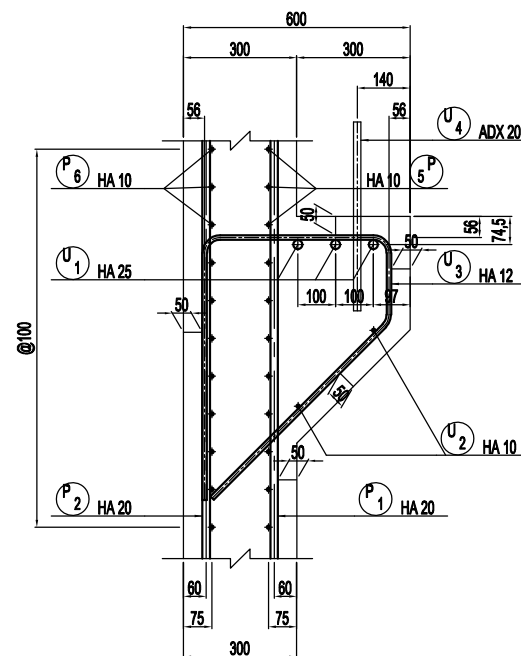
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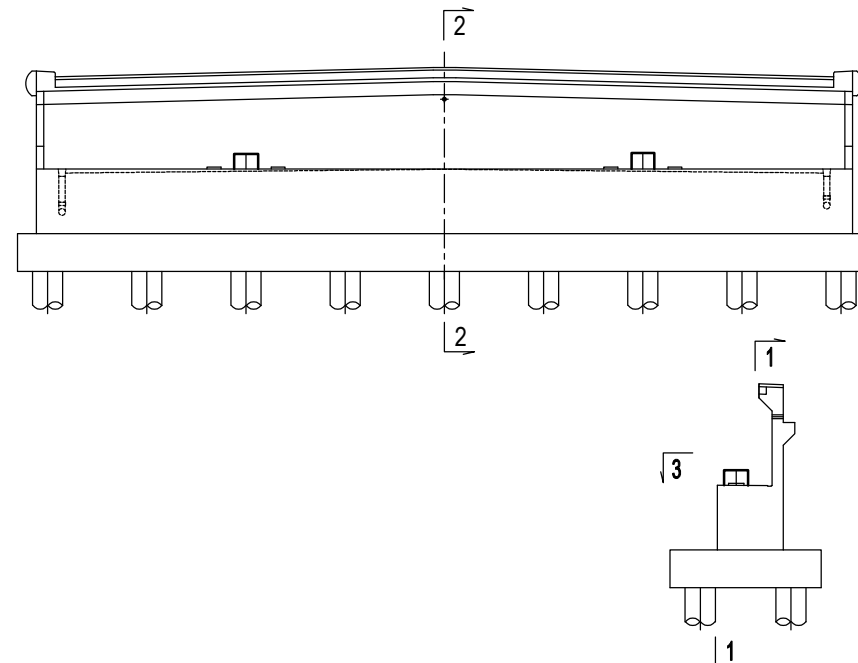
DETAIL "a" / DETAIL "a"
A1 E=1:10, A3 E=1:20
A1 S=1:10, A3 S=1:20



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.



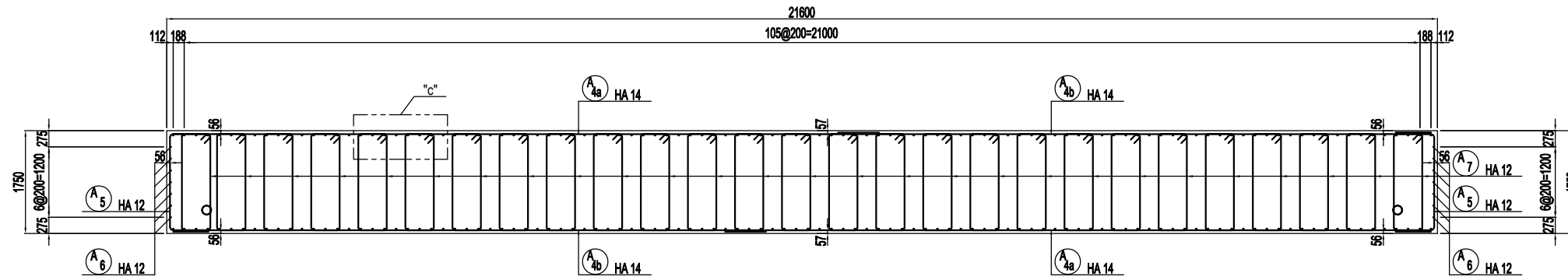
INGÉROSEC CORPORATION

RIVIERA 3
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	Type de document / Type of document	N° / No.	Indice / Index	
OCC, ISEC	BFM	PONT	DESSINS	H-RT-FE-023	A	

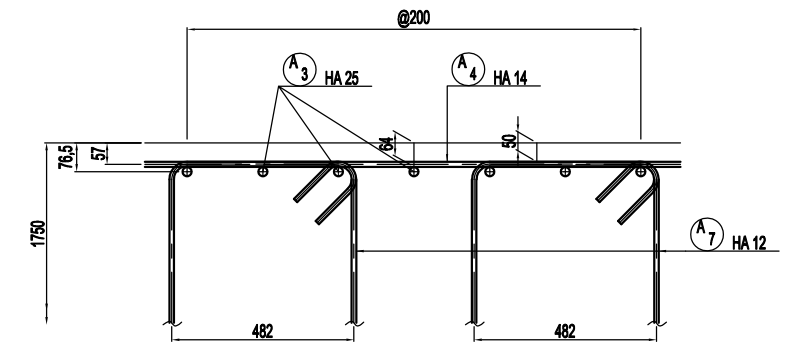
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COUPE 1-1

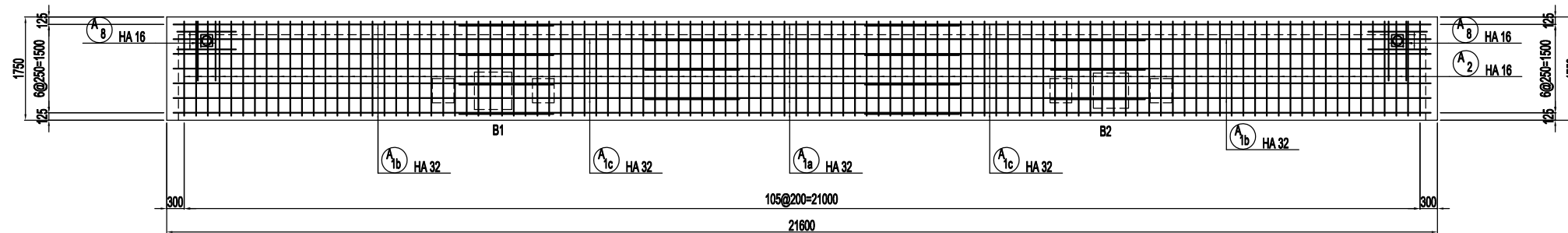


DETAIL "c" / DETAIL "c"

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



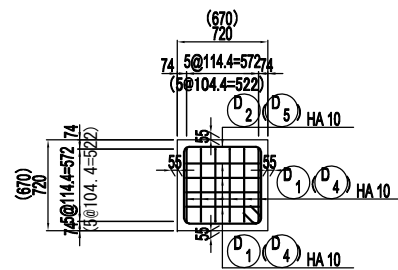
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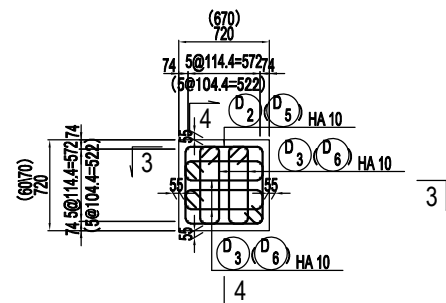
BARRE ARRIERE POUR APPAREILES D'APPUIS
/ REBAR ARRANGEMENT FOR BEARINGS

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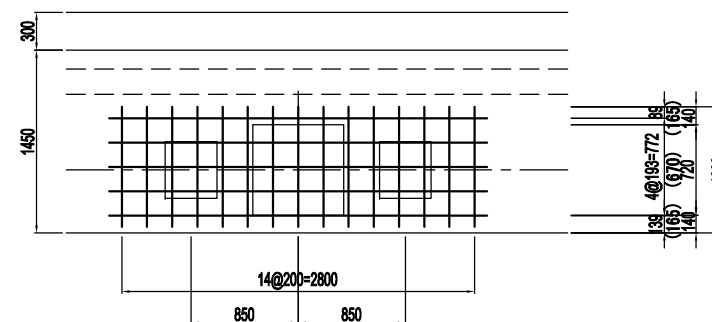
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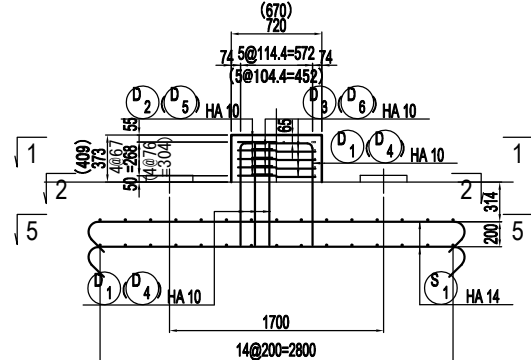
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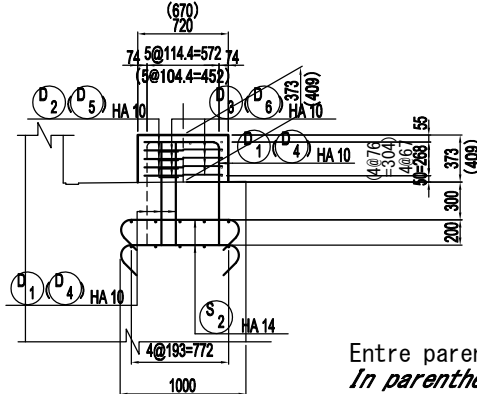
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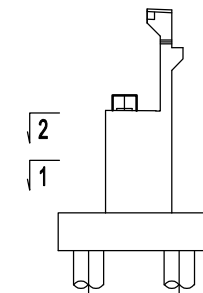
COUPE 3-3



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



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AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
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ORIENTAL CONSULTANTS GLOBAL CO., LTD.



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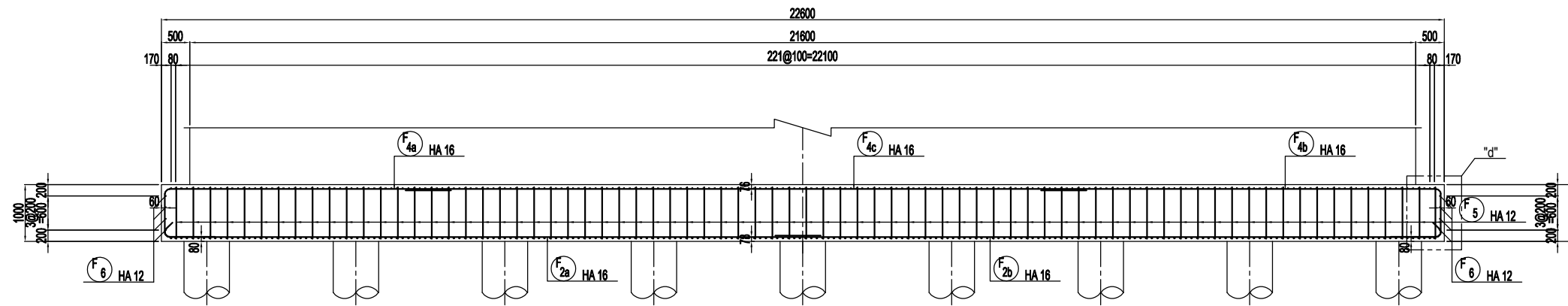
RIVIERA 3
CULEE C2 - FERRAILLAGE (3)
ABUTMENT C2 - BAR ARRANGEMENT (3)

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

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-025	A

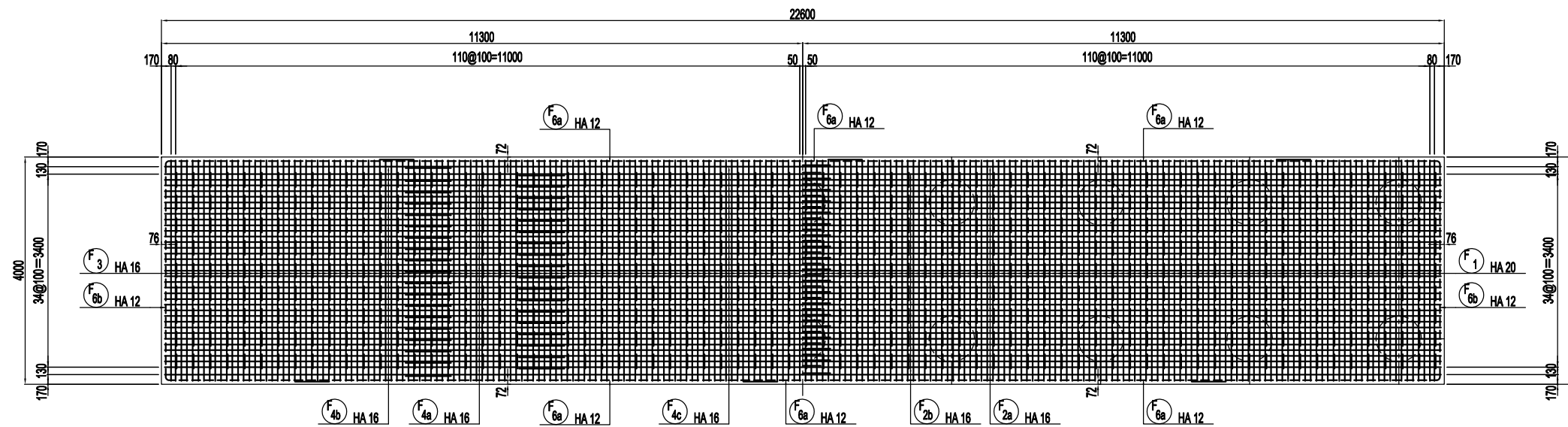
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COUPE 1 - 1



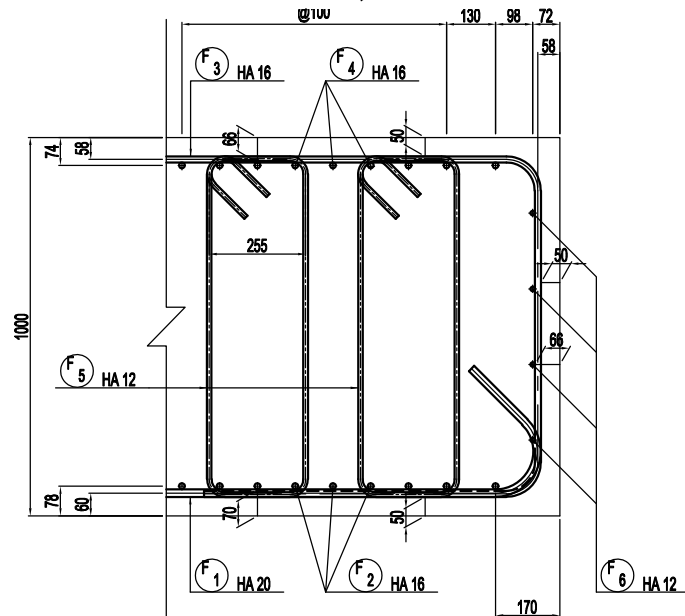
COUPE 2 - 2

COUPE 3 - 3

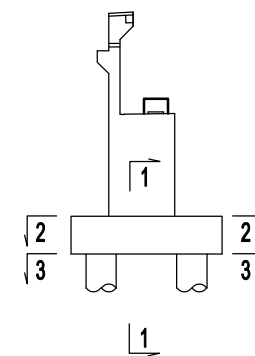


DETAIL "d" / DETAIL "d"

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



POSITION DE LA SECTION / POSITION OF THE SECTION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



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ORIENTAL CONSULTANTS GLOBAL CO., LTD.

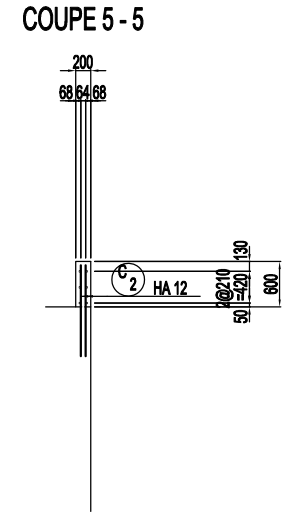
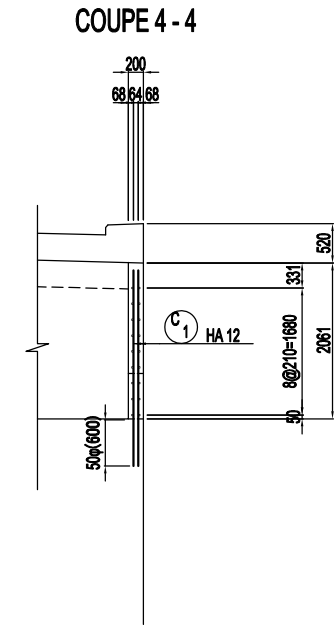
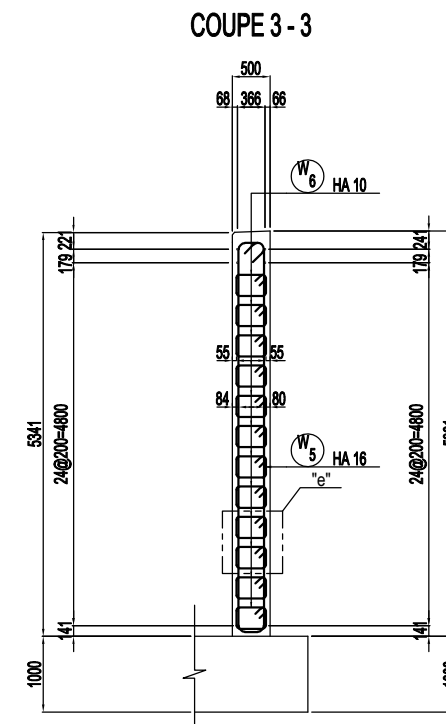
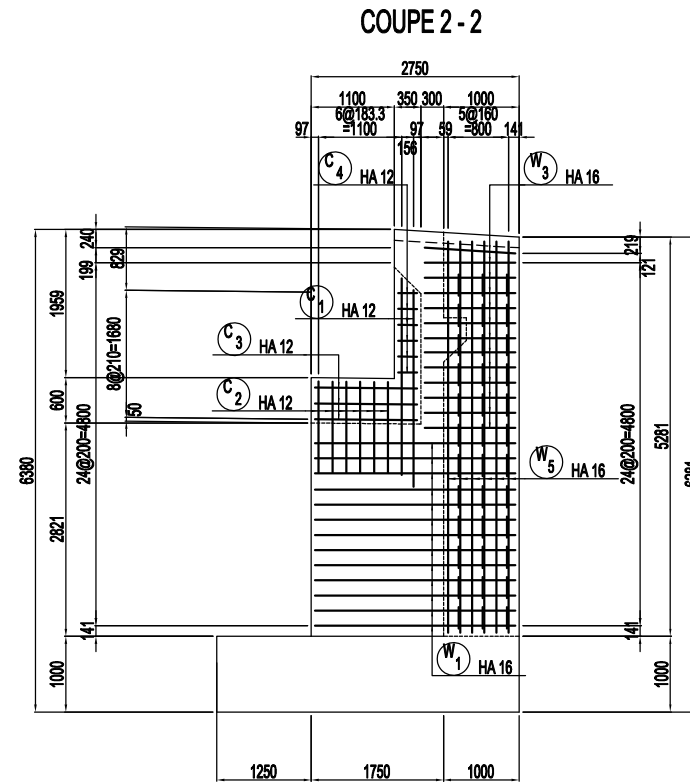
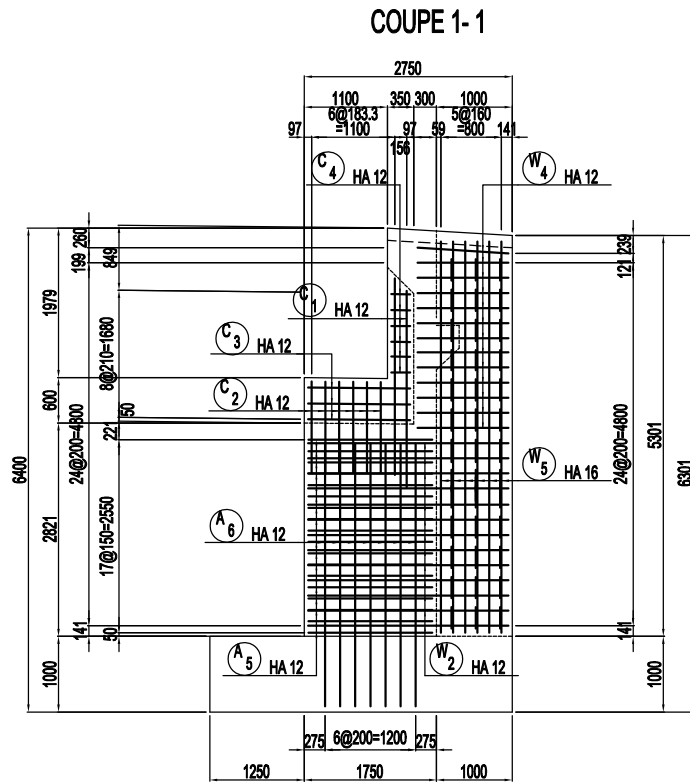


INGÉROSEC CORPORATION

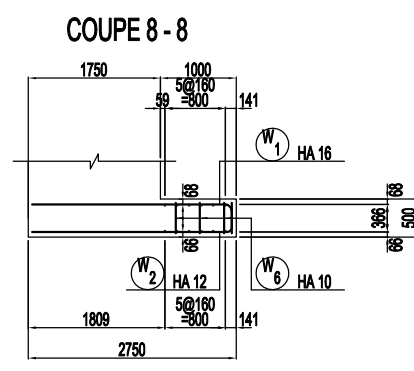
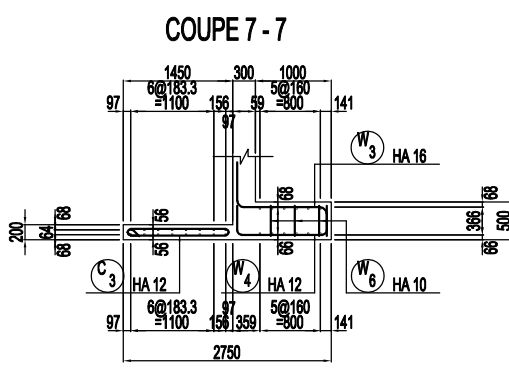
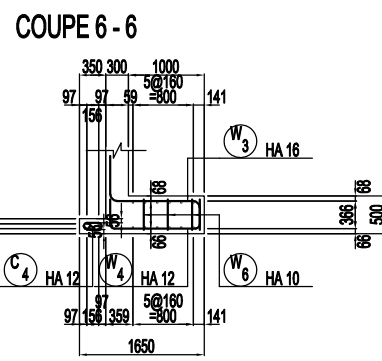
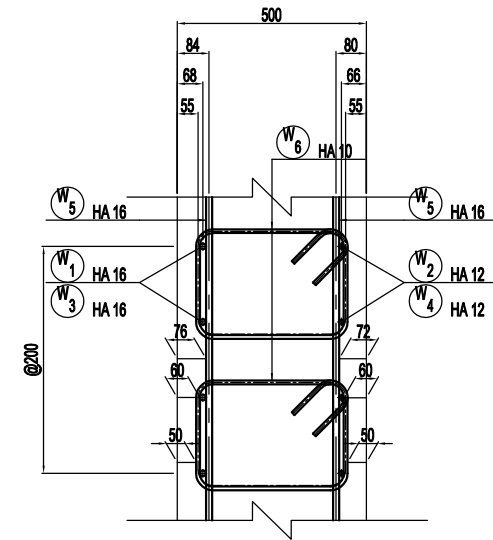
RIVIERA 3
CULEE C2 - FERRAILLAGE (4)
ABUTMENT C2 - BAR ARRANGEMENT (4)

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

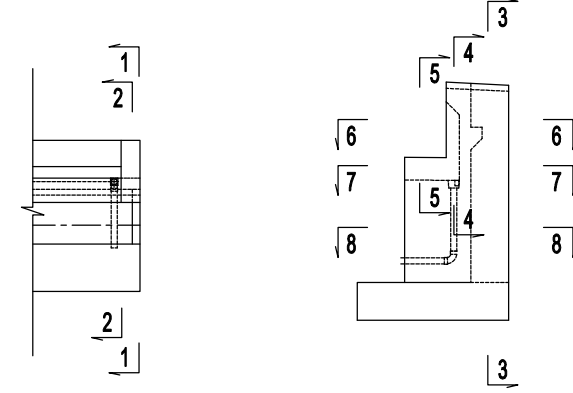
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Emetteur / Issuer	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity	Type de document / Type of document	N° / No.	Indice / Index	
OCC, ISEC	BFM	PONT	DESSINS	H-RT-FE-026	A	



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.

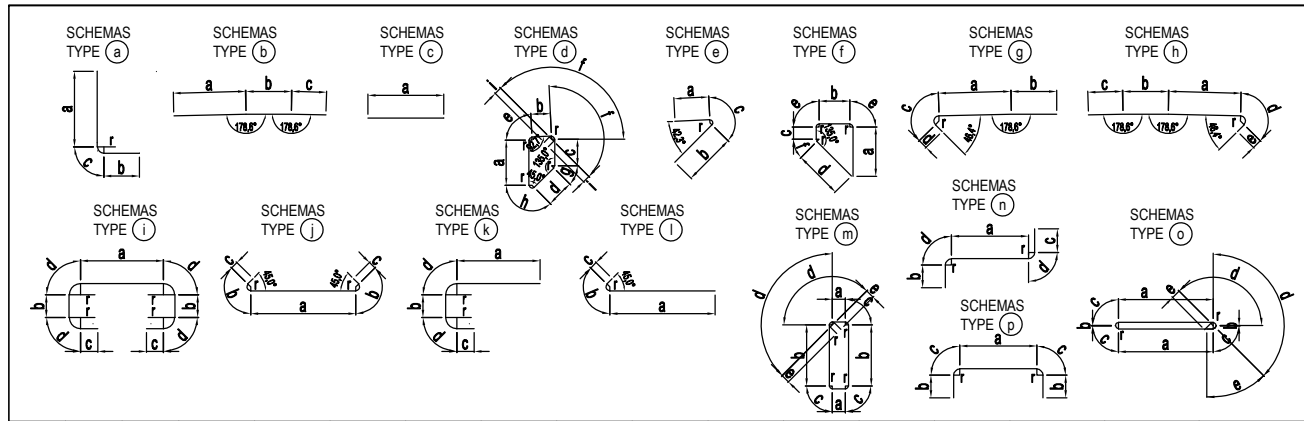


INGÉROSEC CORPORATION

RIVIERA 3
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			
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-027	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 CULEE / 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	23	276.00
P 6b	HA	10	(a)	10.06	0.09	0.09	—	—	—	—	—	—	0.060	10.24	23	235.52
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	2	18.00
P 8b	HA	10	(c)	5.54 ~3.16	—	—	—	—	—	—	—	—	—	4.16	2	8.32
P 9	HA	10	(c)	6.05 ~3.55	—	—	—	—	—	—	—	—	—	5.16	2	10.32
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)	3.32	0.38	0.22	—	—	—	—	—	—	0.150	3.92	216	846.72
A 4a	HA	14	(c)	12.00	—	—	—	—	—	—	—	—	—	12.00	36	432.00
A 4b	HA	14	(c)	10.08	—	—	—	—	—	—	—	—	—	10.08	36	362.88
A 5	HA	12	(p)	1.53	0.60	0.09	—	—	—	—	—	—	0.062	2.91	36	104.76
A 6	HA	12	(a)	3.43	0.18	0.09	—	—	—	—	—	—	0.062	3.70	14	51.80
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)	0.49	0.74	0.06	—	—	—	—	—	—	0.045	2.09	10	20.90
D 2	HA	10	(m)	0.53	0.53	0.06	0.09	0.10	—	—	—	—	0.045	2.74	5	13.70
D 3	HA	10	(m)	0.07	0.53	0.06	0.09	0.10	—	—	—	—	0.045	1.60	16	28.16
D 4	HA	10	(p)	0.44	0.78	0.06	—	—	—	—	—	—	0.045	2.12	10	21.20
D 5	HA	10	(m)	0.49	0.49	0.06	0.09	0.10	—	—	—	—	0.045	2.58	5	12.90
D 6	HA	10	(m)	0.07	0.49	0.06	0.09	0.10	—	—	—	—	0.045	1.52	16	26.88

* 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	26	77.74
W 2	HA	12	(a)	2.59	0.33	0.09	—	—	—	—	—	—	0.062	3.01	26	78.26
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	5.08	0.13	0.20	0.16	—	—	—	—	0.091	11.38	12	136.56
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)	2145.33	3641.82	950.28	4175.47	2624.32	914.55	179.62
POIDS (kg)	1323.67	3233.94	1147.94	6588.89	6471.57	3524.68	1133.94
TOTAL							23424.63
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	—	—
POIDS (kg)	—	—	—	—	49.32	—	—
TOTAL							49.32

TOTAL POUR C2 / TOTAL FOR C2

POIDS TOTAL (kg) : 23473.95

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

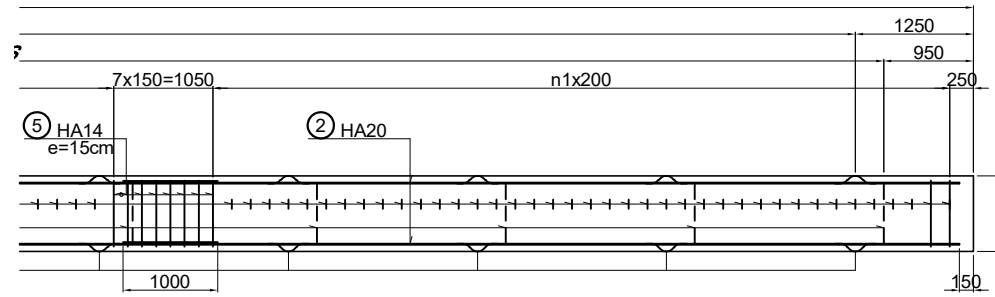
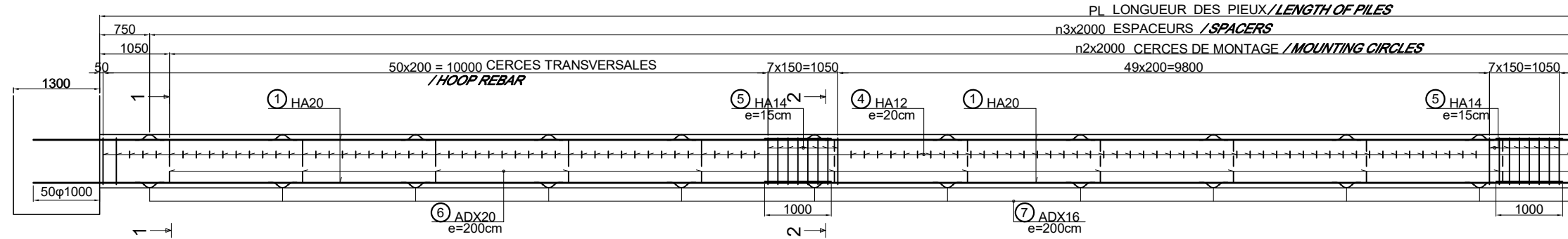
RIVIERA 3
CULEE C2 - FERRAILLAGE (6)
ABUTMENT C2 - BAR ARRANGEMENT (6)

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-RT-FE-028
		Indice / Index
		A

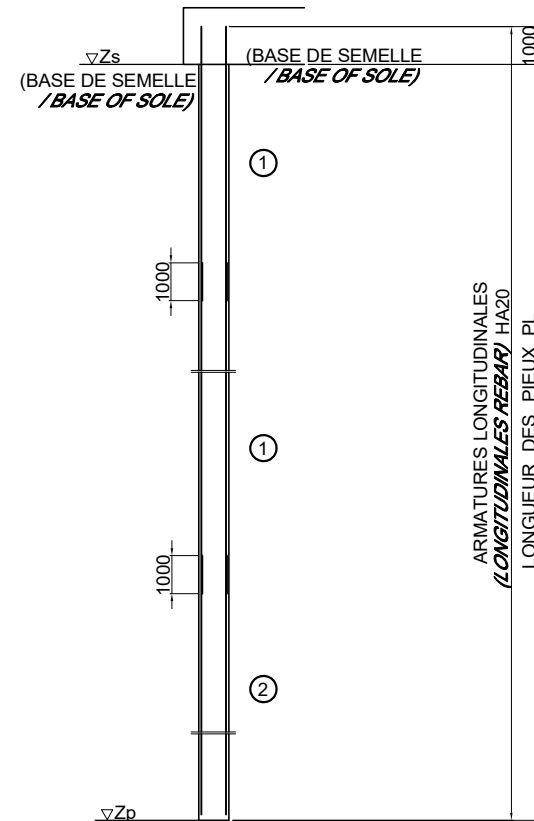
COUPE ELEVATION / SIDE VIEW

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

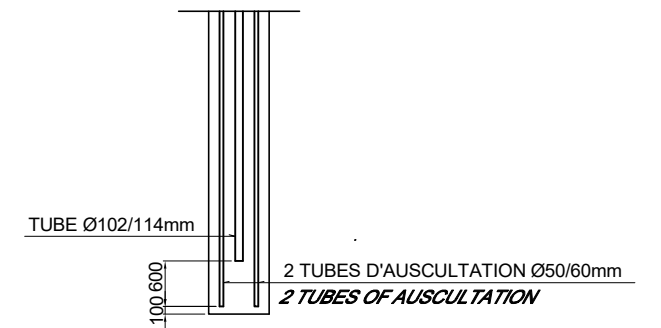


VUE GENERALE / GENERAL VIEW

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



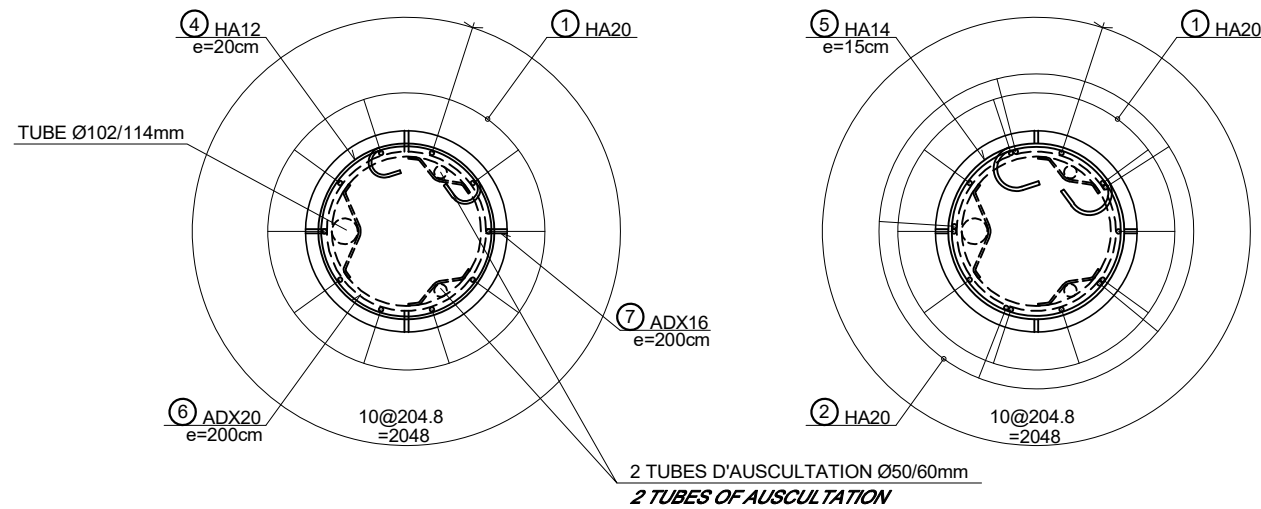
DETAIL D'AUSCULTATION / DETAIL OF AUSCULTATION



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

COUPE 1 - 1

COUPE 2 - 2



QUANTITE D'ARMATURES POUR UN PIEU (L=30m)
/ QUANTITY OF REBARS FOR A PILE

NO	TYPE	SIZE	ESP	LONGS (m)	SCHEMA(m)	LONGS TOTALE(m)
1	HA	20	10	2	20	240.00
2	HA	20	10	1	10	88.50
3	HA	12	136	1	136	414.80
4	HA	14	16	1	16	54.40
5	ADX	20	15	1	15	43.80
6	ADX	16	4	15	60	29.40

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)	—	—	—	—	414.80	54.40	—	—	—	—
POIDS (kg)	—	—	—	—	368.34	65.72	—	—	—	—
ADX	6 <td>8 <td>10 <td>12 <td>14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td></td></td></td></td>	8 <td>10 <td>12 <td>14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td></td></td></td>	10 <td>12 <td>14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td></td></td>	12 <td>14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td></td>	14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td>	16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td>	20 <td>25 <td>32 <td>40</td> </td></td>	25 <td>32 <td>40</td> </td>	32 <td>40</td>	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)	—	—	—	—	29.40	43.80	—	—	—	—
POIDS (kg)	—	—	—	—	46.39	108.01	—	—	—	—

TOTAL POUR P1 (12PIEUX) / TOTAL FOR P1 (12PILES)

POIDS TOTAL(kg): 16782.48	VOLUME DE BETON (m3): 180.96	W = 93.74 kg/m3
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TOTAL POUR P4 (12PIEUX) / TOTAL FOR P4 (12PILES)

POIDS TOTAL(kg): 16782.48	VOLUME DE BETON (m3): 180.96	W = 93.74 kg/m3
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QUANTITE D'ARMATURES POUR UN PIEU (L=28m)
/ QUANTITY OF REBARS FOR A PILE

NO	TYPE	SIZE	ESP	LONGS (m)	SCHEMA(m)	LONGS TOTALE(m)
1	HA	20	10	2	20	240.00
2	HA	20	10	1	10	68.50
3	HA	12	127	1	127	387.35
4	HA	14	16	1	16	51.84
5	ADX	20	14	1	14	40.88
6	ADX	16	4	14	56	27.44

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)	—	—	—	—	387.35	51.84	—	—	—	—
POIDS (kg)	—	—	—	—	343.97	62.62	—	—	—	—
ADX	6 <td>8 <td>10 <td>12 <td>14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td></td></td></td></td>	8 <td>10 <td>12 <td>14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td></td></td></td>	10 <td>12 <td>14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td></td></td>	12 <td>14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td></td>	14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td>	16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td>	20 <td>25 <td>32 <td>40</td> </td></td>	25 <td>32 <td>40</td> </td>	32 <td>40</td>	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)	—	—	—	—	27.44	40.88	—	—	—	—
POIDS (kg)	—	—	—	—	43.30	100.81	—	—	—	—

TOTAL POUR P2 (15PIEUX) / TOTAL FOR P2 (15PILES)

POIDS TOTAL(kg): 19671.90	VOLUME DE BETON (m3): 211.01	W = 93.23 kg/m3
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QUANTITE D'ARMATURES POUR UN PIEU (L=26m)
/ QUANTITY OF REBARS FOR A PILE

NO	TYPE	SIZE	ESP	LONGS (m)	SCHEMA(m)	LONGS TOTALE(m)
1	HA	20	10	2	20	240.00
2	HA	20	10	1	10	48.50
3	HA	12	115	1	115	350.75
4	HA	14	16	1	16	51.84
5	ADX	20	13	1	13	37.96
6	ADX	16	4	13	52	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)	—	—	—	—	350.75	51.84	—	—	—	—
POIDS (kg)	—	—	—	—	311.47	62.62	—	—	—	—
ADX	6 <td>8 <td>10 <td>12 <td>14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td></td></td></td></td>	8 <td>10 <td>12 <td>14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td></td></td></td>	10 <td>12 <td>14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td></td></td>	12 <td>14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td></td>	14 <td>16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td></td>	16 <td>20 <td>25 <td>32 <td>40</td> </td></td></td>	20 <td>25 <td>32 <td>40</td> </td></td>	25 <td>32 <td>40</td> </td>	32 <td>40</td>	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	37.96	—	—	—	—
POIDS (kg)	—	—	—	—	40.21	93.61	—	—	—	—

TOTAL POUR P3 (15PIEUX) / TOTAL FOR P3 (15PILES)

POIDS TOTAL(kg): 18290.25	VOLUME DE BETON (m3): 195.94	W = 93.35 kg/m3
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TABLEAU DE NIVELLEMENT PIEUX
/ TABLE OF LEVELING PILES

	P1	P2	P3	P4
Zs	+16.649	+16.797	+16.616	+16.396
Zp	-13.351	-11.203	-9.384	-13.604
PL (mm)	30000	28000	26000	30000
n1	39	29	19	39
n2	14	13	12	14
n3	14	13	12	14

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

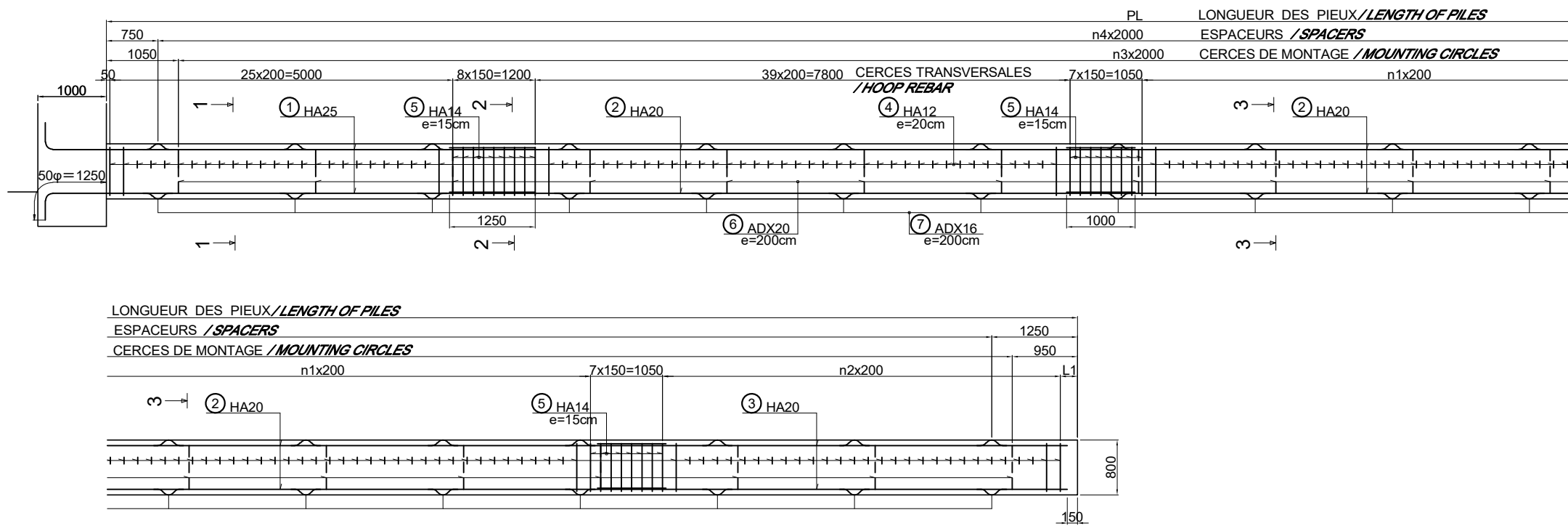
RIVIERA 3
PILE PIEUX - FERRAILLAGE
PIER PILE - BAR ARRANGEMENT

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	Type de document	N°	Indice
OCG, ISEC	BFM	PONT	DESSINS	H-RT-FE-029	A

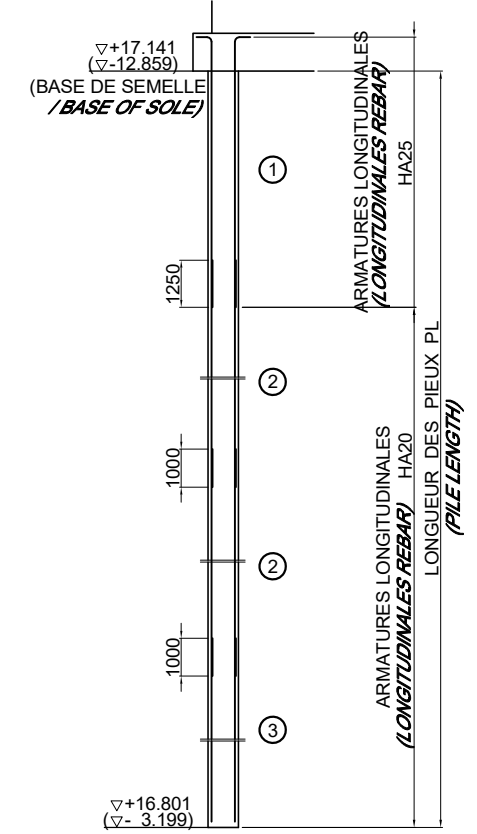
COUPE ELEVATION / SIDE VIEW

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



VUE GENERALE / GENERAL VIEW

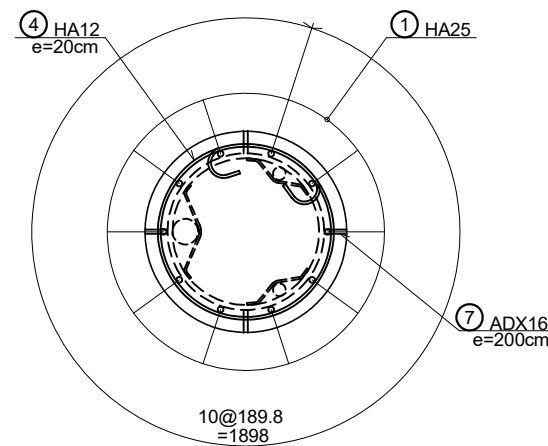
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/ A1 S=1:100, A3 S=1:200



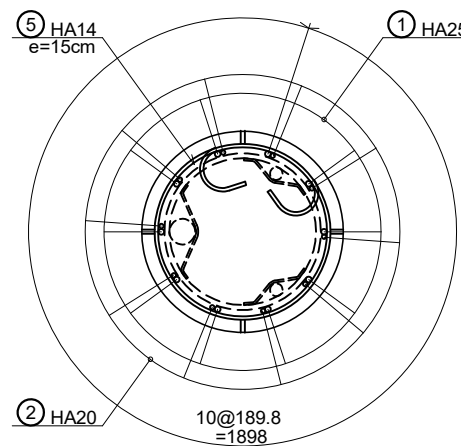
Entre parenthèses nombres pour C2.
In parentheses numbers for C2.

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

COUPE 1 - 1



COUPE 2 - 2



COUPE 3 - 3

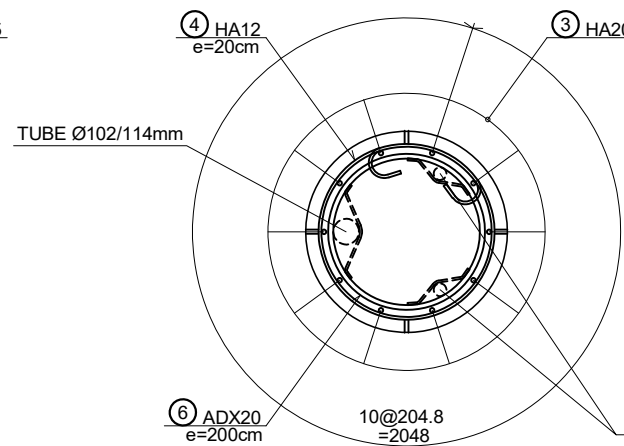


TABLEAU DE NIVELLEMENT PIEUX / TABLE OF LEVELING PILES

	C1	C2
PL (mm)	30000	20000
L1 (mm)	250	300
n1	39	23
n2	29	—
n3	14	9
n4	14	9

2 TUBES D'AUSCULTATION Ø50/60mm
2 TUBES OF AUSCULTATION

QUANTITE D'ARMATURES POUR UN PIEU (L=30m)
/ QUANTITY OF REBARS FOR A PILE

NO	TYPE	SIZE	NOMBRE		ESP	LONG. UNITAIRE(m)	SCHEMA(m)	LONG. TOTALE(m)
			PAR ELEMEN	TOTAL				
①	HA	25	10	1	10	7.50	7.50	75.00
②	HA	20	10	2	10	10.00	10.00	200.00
③	HA	20	10	1	10	6.85	6.85	68.50
④	HA	12	130	1	130	3.05	3.05	396.50
⑤	HA	14	25	1	25	3.24	3.24	81.00
⑥	ADX	20	15	1	15	2.89	2.89	43.35
⑦	ADX	16	4	15	60	0.49	0.49	29.40

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)	—	—	—	396.50	81.00	—	268.50	75.00	—	TOTAL
POIDS (kg)	—	—	—	352.09	97.85	—	662.12	289.05	—	1401.11
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)	—	—	—	—	29.40	43.35	—	—	—	TOTAL
POIDS (kg)	—	—	—	—	46.39	106.90	—	—	—	153.29

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

POIDS TOTAL(kg): 27979.20	VOLUME DE BETON (m3): 271.30	W = 103.13 kg/m3
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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 ELEMEN	TOTAL				
①	HA	25	10	1	10	7.50	7.50	75.00
②	HA	20	10	1	10	10.00	10.00	100.00
③	HA	20	10	1	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

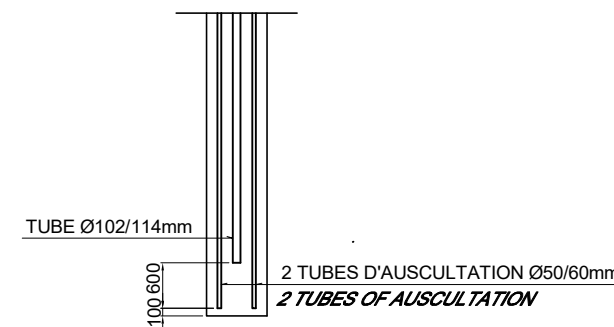
RECAPITULATIF ACIERS / SUMMARY STEELS

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	—
POIDS (kg)	—	—	—	—	232.92	66.54	—	390.86	289.05	—
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 C2 (18PIEUX) / TOTAL FOR C2 (18PILES)

POIDS TOTAL(kg): 19468.26	VOLUME DE BETON (m3): 180.86	W = 107.64 kg/m3
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DETAIL D'AUSCULTATION / DETAIL OF AUSCULTATION



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



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AGENCE DE GESTION DES ROUTES



AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
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ORIENTAL CONSULTANTS GLOBAL CO., LTD.



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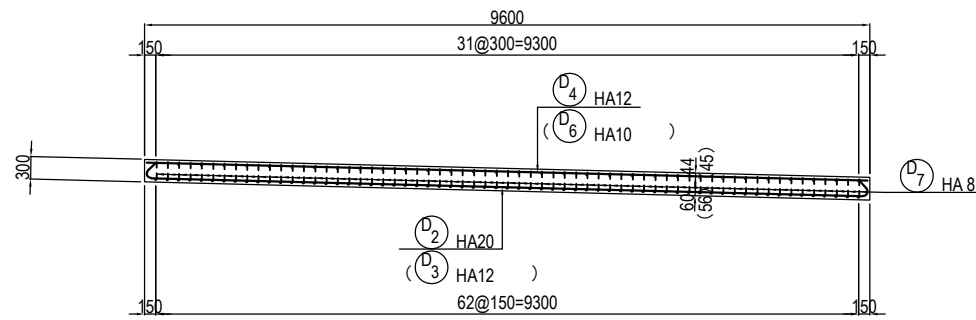
RIVIERA 3
CULEE PIEUX - FERRAILLAGE
ABUTMENT PILE - BAR ARRANGEMENT

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	Type de document / Type of document	N° / No.	Indice / Index
			OCC, ISEC	BFM	PONT	DESSINS	H-RT-FE-030	A

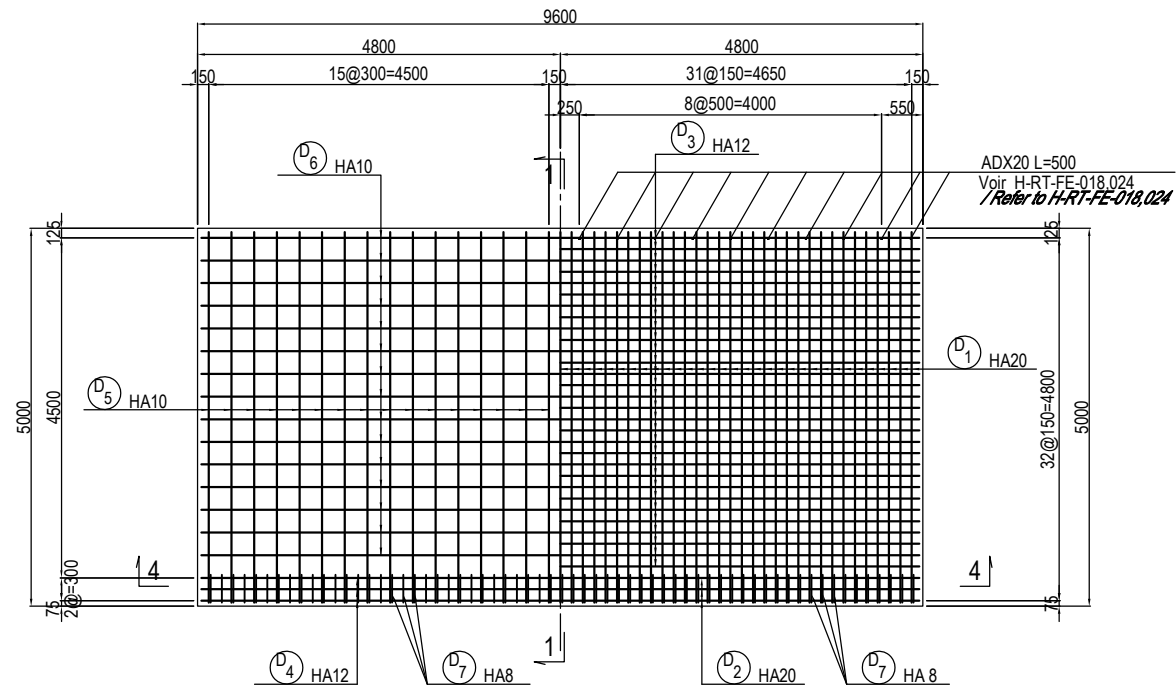
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COUPE 1 - 1

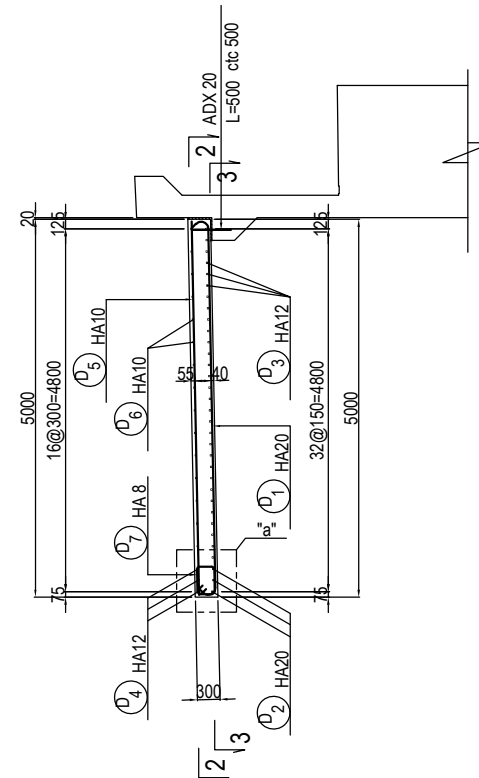


COUPE 2 - 2

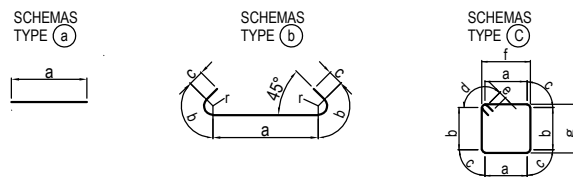
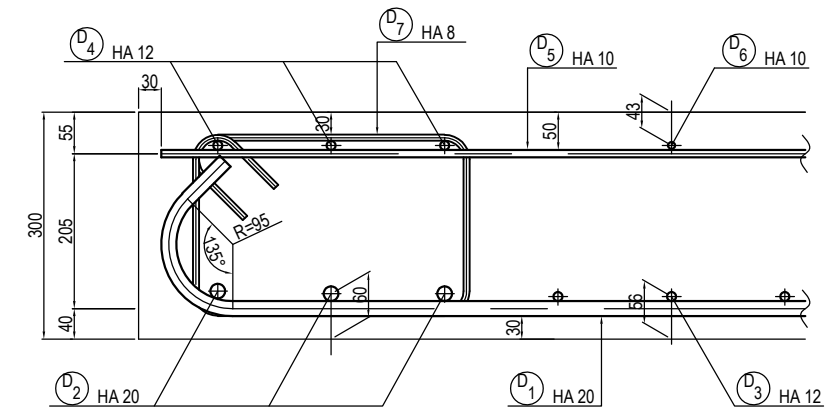
COUPE 3 - 3



COUPE 4 - 4



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



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.

RECAOITUATIF 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



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AGENCE JAPONAISE DE COOPÉRATION INTERNATIONALE
/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



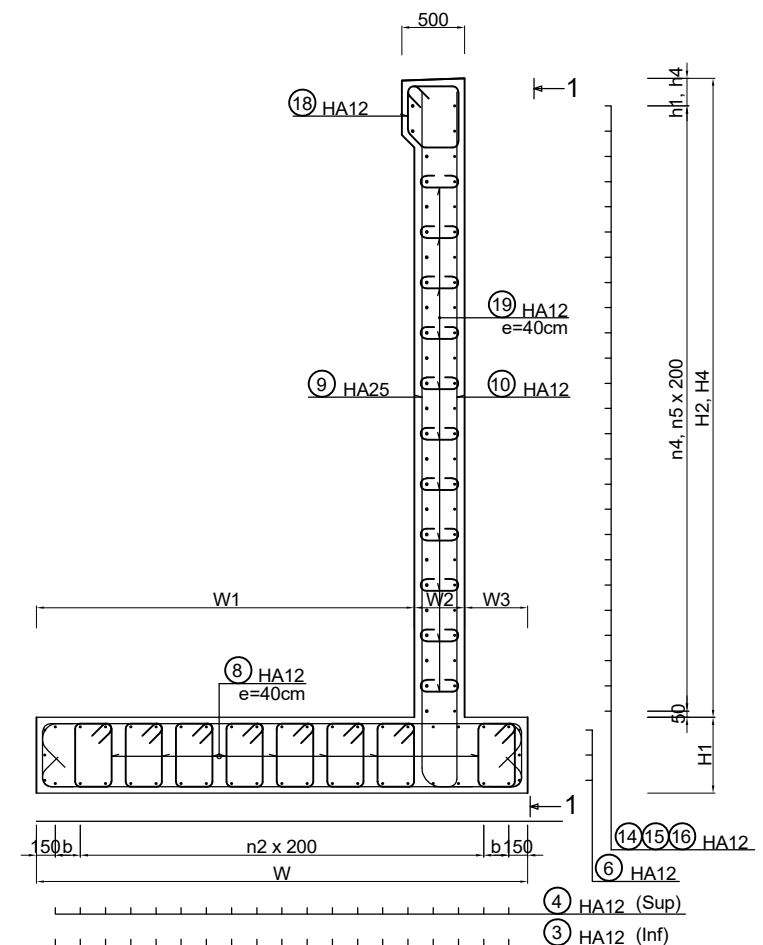
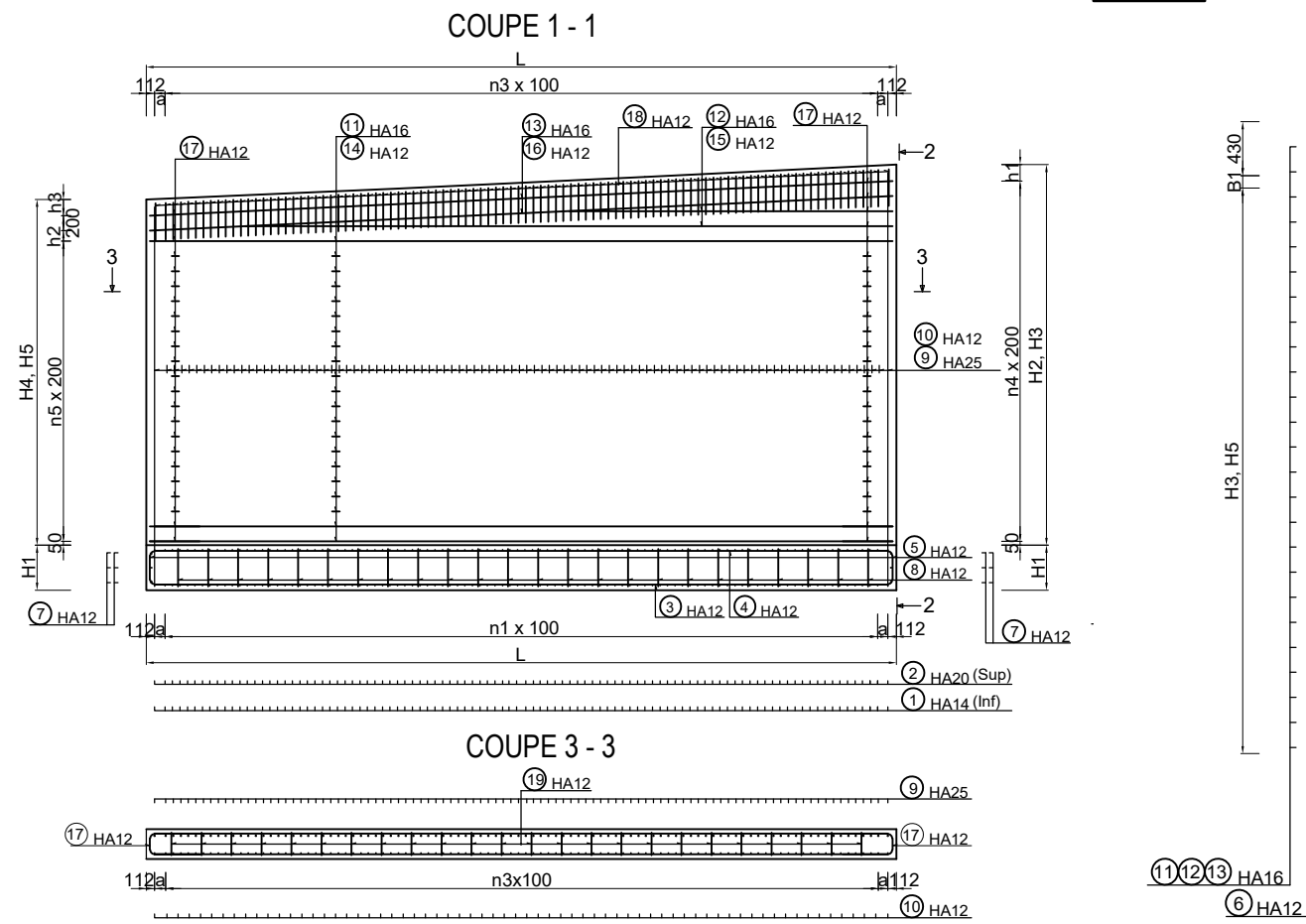
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RIVIERA 3
DALLE DE TRANSITION - FERRAILLAGE
APPROACH SLAB - BAR ARRANGEMENT

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

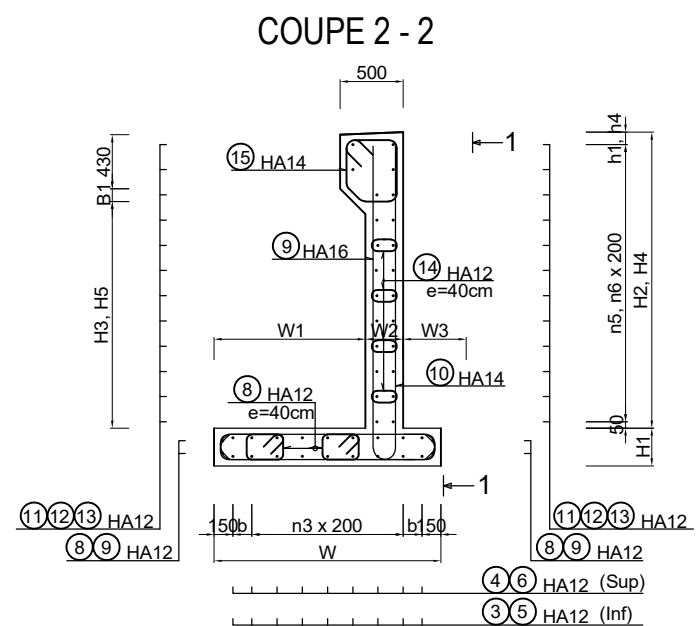
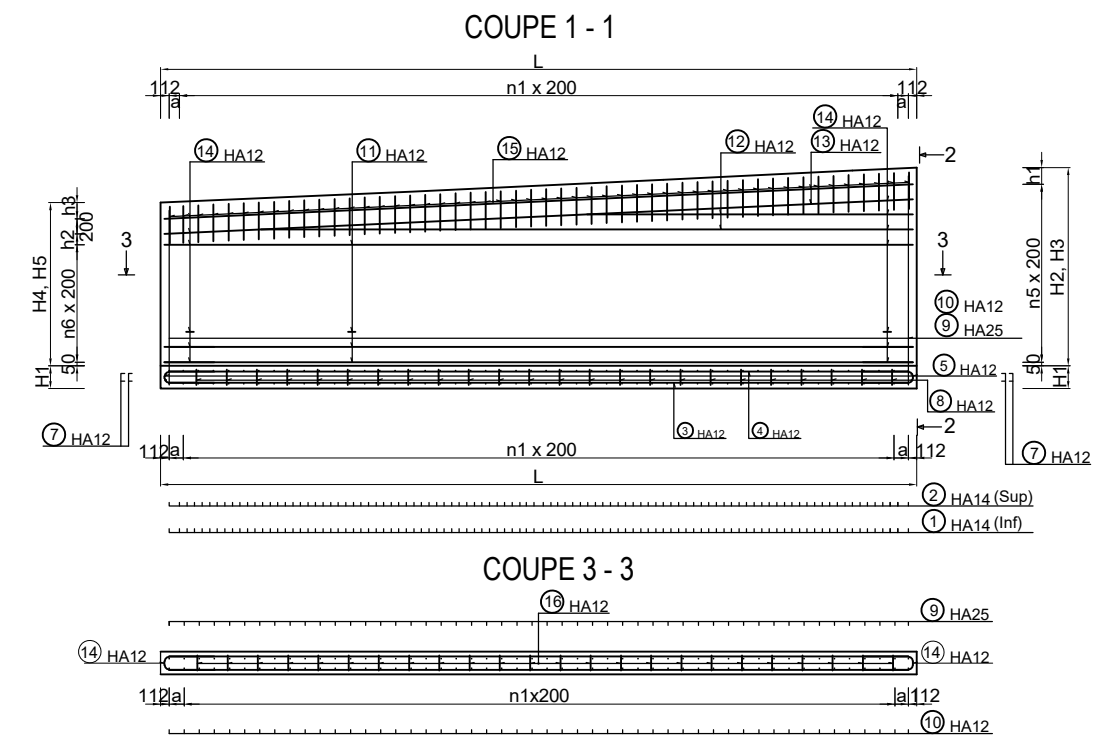
Format	A3	Fichier/ File:	Emetteur / Issuer	Localisation / Location	Type d'ouvrage -Activité / Type of structure -Activity	Type de document / Type of document	N° / No.	Indice / Index
			OCC, ISEC	BFM	PONT	DESSINS	H-RT-FE-031	A

TYPE 1



	M1							
	TYPE 1				TYPE 2			
	PLOT1	PLOT2	PLOT3	PLOT4	PLOT5	PLOT6	PLOT7	PLOT8
L	10000	10000	10000	10000	10000	10000	10000	11350
H1	700	600	500	350	300	300	300	300
H2	4852	4194	3591	3051	2584	2171	1834	1563
H3	4302	3544	2941	2401	1934	1521	1184	913
H4	4254	3641	3101	2634	2231	1884	1613	1393
H5	3808	2991	2451	1984	1581	1234	963	743
B1	100	200	200	200	200	200	200	200
W	4400	3200	2700	2300	1900	1800	1600	1600
W1	3500	2400	1900	1500	1300	1200	1000	1000
W2	400	300	300	300	300	300	300	300
W3	500	500	500	500	300	300	300	300
n1	95	95	95	95	47	47	47	54
n2	19	13	12	10	8	6	5	5
n3	95	95	95	95	47	47	47	54
n4	23	20	17	14	12	10	8	7
n5	19	16	13	10	9	7	5	5
h1	202	144	141	201	134	121	184	113
h2	2	47	110	183	47	113	179	300
h3	202	144	141	201	134	121	184	113
a	138	138	138	138	188	188	188	163
b	150	150	0	0	0	150	150	150

TYPE 2



PROJET DE CONSTRUCTION DE TROIS ECHANGEURS À ABIDJAN



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/ JAPAN INTERNATIONAL COOPERATION AGENCY



ORIENTAL CONSULTANTS GLOBAL CO., LTD.



INGÉROSEC CORPORATION

RIVIERA 3
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 :				
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-RT-FE-032	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	ELEMENT	TOTAL				
PLOT1									
1	HA	14	98	1	98		4.76	466.48	
2	HA	20	98	1	98		4.98	488.04	
3	HA	12	22	1	22		9.56	210.32	
4	HA	12	22	1	22		9.56	210.32	
5	HA	12	44	1	44		1.82	80.08	
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		5.50	539.00	
10	HA	12	98	1	98		5.33	522.34	
11	HA	16	20	1	20		9.78	195.60	
12	HA	16	2	1	2		6.40	12.80	
13	HA	16	2	1	2		9.79	19.58	
14	HA	12	20	1	20		9.78	195.60	
15	HA	12	2	1	2		6.40	12.80	
16	HA	12	2	1	2		9.79	19.58	
17	HA	12	46	1	46		1.49	68.54	
18	HA	12	98	1	98		1.95	191.10	
19	HA	12	11	24	264		0.58	153.12	

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	TOTAL
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)	—	—	—	2235.60	466.48	227.98	488.04	539.00	—	—	
POIDS (kg)	—	—	—	1985.21	563.51	359.75	1203.51	2077.31	—	—	6189.29

TOTAL POUR M1 / TOTAL FOR M1

POIDS TOTAL(kg) : 22738.65

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	ELEMENT	TOTAL				
PLOT6									
1	HA	14	50	1	50		2.19	109.50	
2	HA	14	50	1	50		2.19	109.50	
3	HA	12	9	1	9		9.56	86.04	
4	HA	12	9	1	9		9.56	86.04	
5	HA	12	18	1	18		1.42	25.56	
6	HA	12	4	1	4		9.56	38.24	
7	HA	12	8	1	8		3.13	25.04	
8	HA	12	2	24	48		1.38	66.24	
9	HA	16	50	1	50		2.68	134.00	
10	HA	14	50	1	50		2.76	138.00	
11	HA	12	16	1	16		9.78	156.48	
12	HA	12	4	1	4		6.40	25.60	
13	HA	12	4	1	4		9.79	39.16	
14	HA	12	20	1	20		1.39	27.80	
15	HA	14	50	1	50		2.03	101.50	
16	HA	12	6	24	144		0.48	69.12	

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	TOTAL
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)	—	—	—	645.32	458.50	134.00	—	—	—	—	
POIDS (kg)	—	—	—	573.04	553.87	211.45	—	—	—	—	1338.36

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	ELEMENT	TOTAL				
PLOT2									
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		4.43	53.16	
8	HA	12	7	24	168		1.88	315.84	
9	HA	25	98	1	98		4.74	464.52	
10	HA	12	98	1	98		4.67	457.66	
11	HA	16	17	1	17		9.78	166.26	
12	HA	16	2	1	2		6.40	12.80	
13	HA	16	2	1	2		9.79	19.58	
14	HA	12	17	1	17		9.78	166.26	
15	HA	12	2	1	2		6.40	12.80	
16	HA	12	2	1	2		9.79	19.58	
17	HA	12	40	1	40		1.39	56.60	
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	TOTAL
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)	—	—	—	1790.80	348.88	198.64	370.44	464.52	—	—	
POIDS (kg)	—	—	—	1590.23	421.45	313.45	913.51	1790.26	—	—	5028.9

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	ELEMENT	TOTAL				
PLOT7									
1	HA	14	50	1	50		1.99	99.50	
2	HA	14	50	1	50		1.99	99.50	
3	HA	12	8	1	8		9.56	76.48	
4	HA	12	8	1	8		9.56	76.48	
5	HA	12	16	1	16		1.42	22.72	
6	HA	12	4	1	4		9.56	38.24	
7	HA	12	8	1	8		2.93	23.44	
8	HA	12	2	24	48		1.38	66.24	
9	HA	16	50	1	50		2.34	117.00	
10	HA	14	50	1	50		2.42	121.00	
11	HA	12	12	1	12		9.78	117.36	
12	HA	12	4	1	4		6.40	25.60	
13	HA	12	4	1	4		9.79	39.16	
14	HA	12	16	1	16		1.39	22.24	
15	HA	14	50	1	50		2.03	101.50	
16	HA	12	3	24	72		0.48	34.56	

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	TOTAL
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)	—	—	—	542.52	421.50	117.00	—	—	—	—	
POIDS (kg)	—	—	—	481.76	509.17	184.63	—	—	—	—	1175.56

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)
			ELEMENT	ELEMENT	TOTAL				
PLOT3									
1	HA	14	98	1	98		3.06	299.88	
2	HA	20	98	1	98		3.28	321.44	
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		1.62	42.12	
6	HA	12	6	1	6		9.56	57.36	
7	HA	12	12	1	12		3.83	45.96	
8	HA	12	5	24	120		1.68	201.60	
9	HA	25	98	1	98		4.14	405.72	
10	HA	12	98	1	98		4.07	398.86	
11	HA	16	14	1	14		9.78	136.92	
12	HA	16	2	1	2		6.40	12.80	
13	HA	16	2	1	2		9.79	19.58	
14	HA	12	14	1	14		9.78	136.92	
15	HA	12	2	1	2		6.40	12.80	
16	HA	12	2	1	2		9.79	19.58	
17	HA	12	34	1	34		1.39	47.26	
18	HA	12	98	1	98		1.95	191.10	
19	HA	12	7	24	168		0.48	80.64	

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	TOTAL
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)	—	—	—	1489.96	299.88	169.30	321.44	405.72	—	—	
POIDS (kg)	—	—	—	1323.08	362.26	267.16	792.67	1563.64	—	—	4302.42

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	ELEMENT	TOTAL				
PLOT8									
1	HA	14	57	1	57		1.99	113.43	
2	HA	14	57	1	57		1.99	113.43	
3	HA	12	10	1	10		10.91	87.28	
4	HA	12	10	1	10		10.91	87.28	
5	HA	12	16	1	16		1.42	22.72	
6	HA	12	4	1	4		10.91	43.64	
7	HA	12	8	1	8		2.93	23.44	
8	HA	12	2	27	54		1.38	74.52	
9	HA	16	57	1	57		2.07	117.99	
10	HA	14	57	1	57		2.15	122.55	
11	HA	12	12	1	12		11.13	133.56	
12	HA	12	4	1	4		7.75	31.00	
13	HA	12	4	1	4		11.14	44.56	
14	HA	12	14	1	14		1.39	19.46	
15	HA	14	57	1	57		2.03	115.71	
16	HA	12	2	24	48		0.48	23.04	

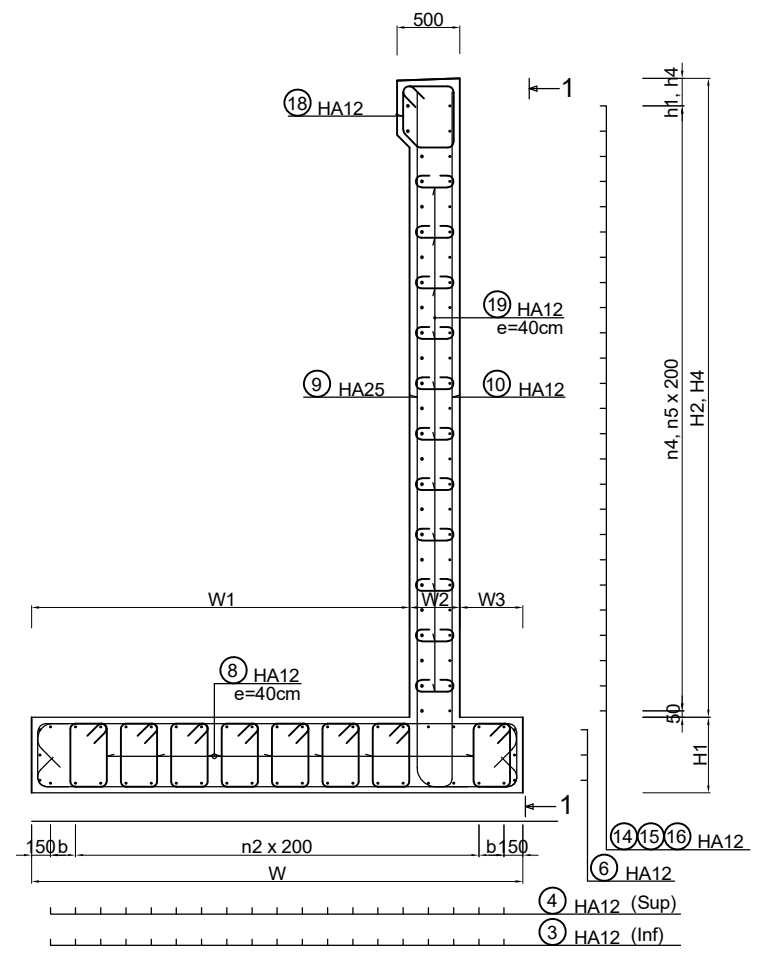
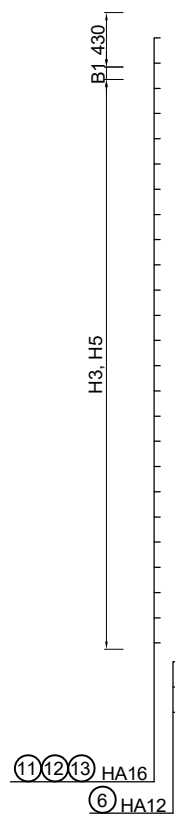
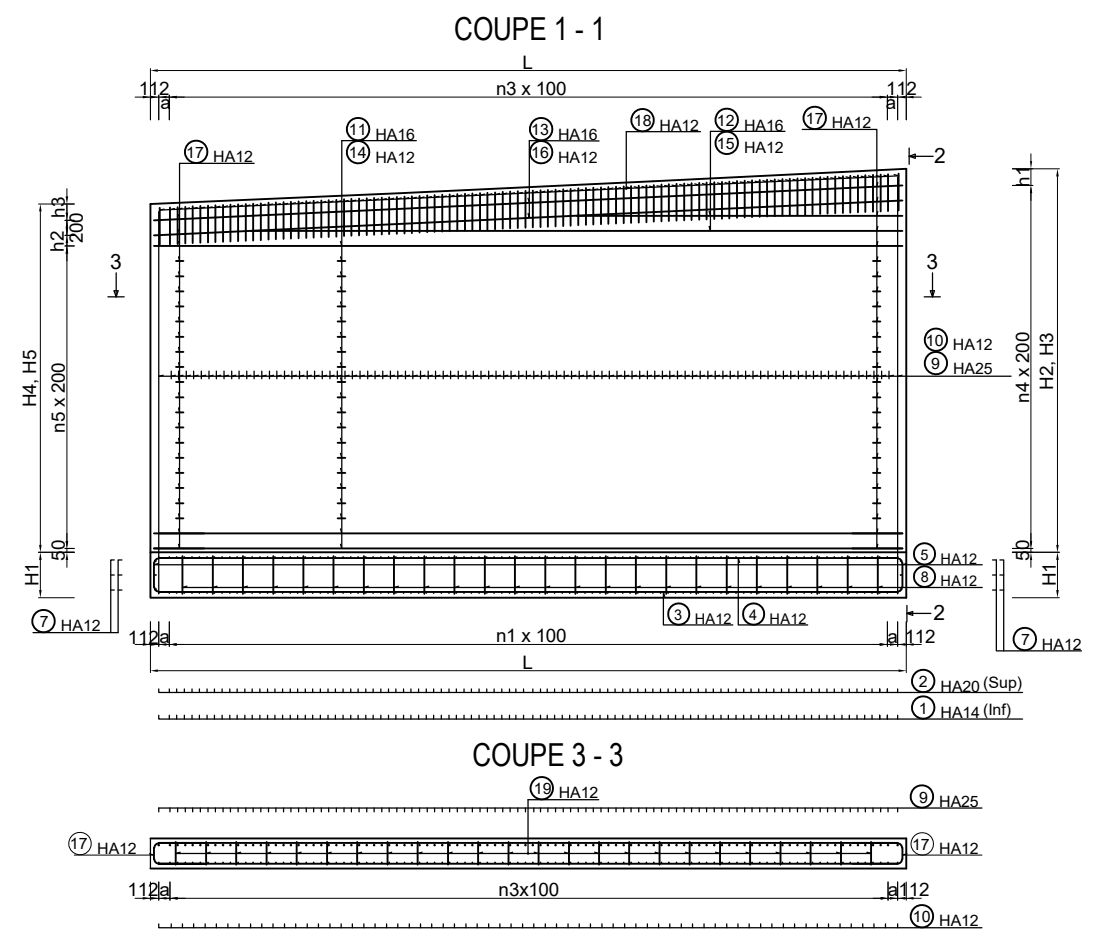
RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	TOTAL
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)	—	—	—	590.50	465.12	117.99	—	—	—	—	
POIDS (kg)	—	—	—	524.36	561.86	186.19	—	—	—	—	1272.41

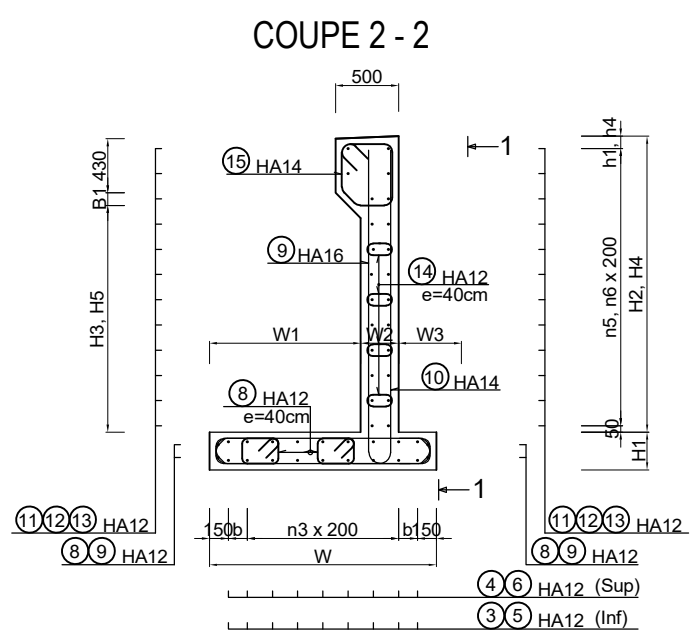
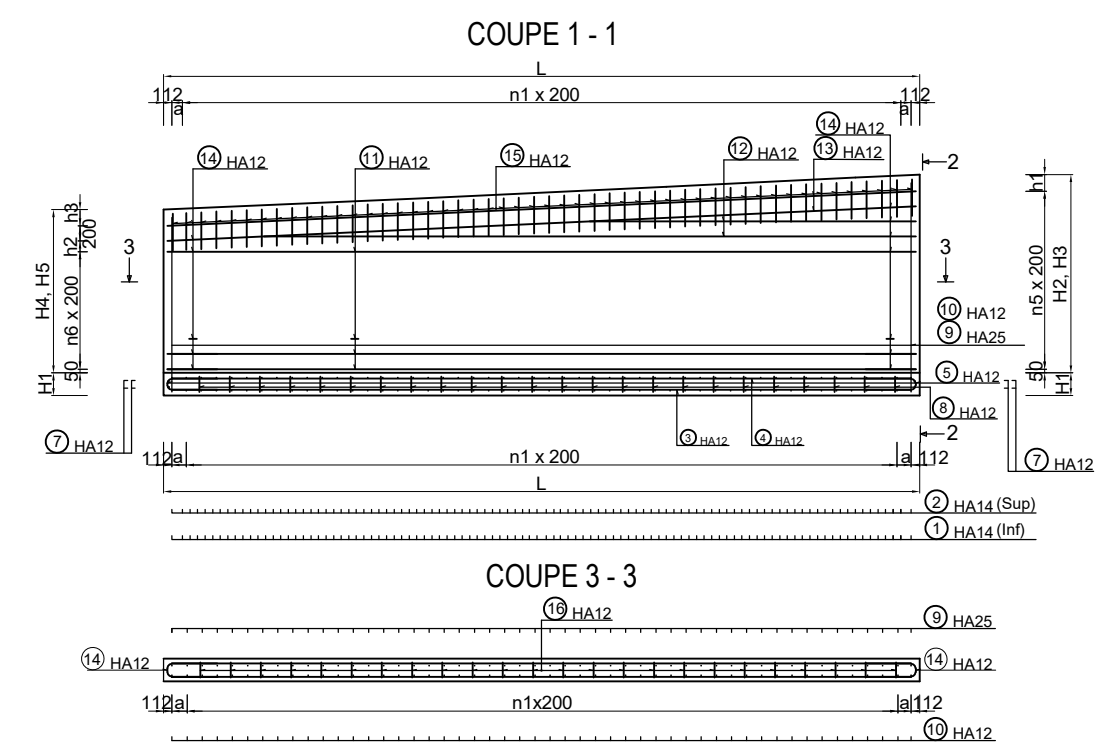
QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT
/ QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE			ESP
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TYPE 1



TYPE 2



	M2							
	TYPE 1				TYPE 2			
	PLOT1	PLOT2	PLOT3	PLOT4	PLOT5	PLOT6	PLOT7	PLOT8
L	10000	10000	10000	10000	10000	10000	10000	11650
H1	700	600	500	350	300	300	300	300
H2	5022	4303	3570	2883	2563	2160	1823	1552
H3	4472	3653	2920	2233	1913	1510	1173	902
H4	4423	3750	3083	2463	2210	1873	1602	1379
H5	3973	3100	2433	1813	1560	1223	952	729
B1	100	200	200	200	200	200	200	200
W	4400	3200	2700	2300	1900	1800	1600	1450
W1	3500	2400	1900	1500	1300	1200	1000	850
W2	400	300	300	300	300	300	300	300
W3	500	500	500	300	300	300	300	300
n1	95	95	95	47	47	47	47	56
n2	19	13	12	10	8	6	5	4
n3	95	95	95	47	47	47	47	56
n4	24	20	17	13	12	10	8	7
n5	20	16	13	9	9	7	5	5
h1	172	253	120	233	113	110	173	102
h2	1	47	113	180	47	113	179	27
h3	172	253	120	233	113	110	173	102
a	138	138	138	188	188	188	188	113
b	150	150	0	0	0	150	150	175

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

RIVIERA 3
MUR DE SOUTÈNEMENT M2 - FERRAILLAGE (1)
RETAINING WALL M2 - 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 / Author	Localisation / Location	Type d'ouvrage - Activité / Type of structure - Activity
OCG, ISEC	BFM	PONT
		Type de document / Type of document
		DESSINS
		N° / No.
		H-RT-FE-034
		Indice / Index
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QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT / QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG	SCHEMA(m)	LONG
			RESEAU	ELEMENT		UNITAIRE(m)		TOTALE(m)
PLOT1								
①	HA	14	98	1	98	4.76		466.48
②	HA	20	98	1	98	4.98		488.04
③	HA	12	22	1	22	9.56		210.32
④	HA	12	22	1	22	9.56		210.32
⑤	HA	12	44	1	44	1.82		80.08
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	5.67		555.66
⑩	HA	12	98	1	98	5.50		539.00
⑪	HA	16	21	1	21	9.78		195.60
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	1.49		71.52
⑱	HA	12	98	1	98	1.95		191.10
⑲	HA	12	11	24	264	0.58		153.12

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	TOTAL
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)	—	—	—	2265.02	466.48	227.98	488.04	555.66	—	—	—
POIDS (kg)	—	—	—	2011.34	563.51	359.75	1203.51	2141.51	—	—	6295.06

TOTAL POUR M2 / TOTAL FOR M2
 POIDS TOTAL(kg) : 24736.77

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

NO	TYPE	SIZE	NOMBRE		ESP	LONG	SCHEMA(m)	LONG
			RESEAU	ELEMENT		UNITAIRE(m)		TOTALE(m)
PLOT6								
①	HA	14	50	1	50	2.19		109.50
②	HA	14	50	1	50	2.19		109.50
③	HA	12	7	1	7	9.56		66.92
④	HA	12	7	1	7	9.56		66.92
⑤	HA	12	14	1	14	1.42		19.88
⑥	HA	12	4	1	4	9.56		38.24
⑦	HA	12	8	1	8	3.13		25.04
⑧	HA	12	2	24	48	1.38		66.24
⑨	HA	16	50	1	50	2.67		133.50
⑩	HA	14	50	1	50	2.75		137.50
⑪	HA	12	16	1	16	9.78		156.48
⑫	HA	12	4	1	4	6.40		25.60
⑬	HA	12	4	1	4	9.79		39.16
⑭	HA	12	20	1	20	1.39		27.80
⑮	HA	14	50	1	50	2.03		101.50
⑯	HA	12	4	24	96	0.48		46.08

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	TOTAL
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)	—	—	—	578.36	468.00	133.50	—	—	—	—	—
POIDS (kg)	—	—	—	513.58	553.26	210.66	—	—	—	—	1277.50

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

NO	TYPE	SIZE	NOMBRE		ESP	LONG	SCHEMA(m)	LONG
			RESEAU	ELEMENT		UNITAIRE(m)		TOTALE(m)
PLOT2								
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	4.43		53.16
⑧	HA	12	7	24	168	1.88		315.84
⑨	HA	25	98	1	98	4.85		475.30
⑩	HA	12	98	1	98	4.78		468.44
⑪	HA	16	17	1	17	9.78		166.26
⑫	HA	16	2	1	2	6.40		12.80
⑬	HA	16	2	1	2	9.79		19.58
⑭	HA	12	17	1	17	9.78		166.26
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	TOTAL
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)	—	—	—	1804.36	348.88	198.64	370.44	475.30	—	—	—
POIDS (kg)	—	—	—	1602.27	421.45	313.45	913.51	1831.81	—	—	5082.49

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

NO	TYPE	SIZE	NOMBRE		ESP	LONG	SCHEMA(m)	LONG
			RESEAU	ELEMENT		UNITAIRE(m)		TOTALE(m)
PLOT7								
①	HA	14	50	1	50	1.99		99.50
②	HA	14	50	1	50	1.99		99.50
③	HA	12	6	1	6	9.56		57.36
④	HA	12	6	1	6	9.56		57.36
⑤	HA	12	12	1	12	1.42		17.04
⑥	HA	12	4	1	4	9.56		38.24
⑦	HA	12	8	1	8	2.93		23.44
⑧	HA	12	2	24	48	1.38		66.24
⑨	HA	16	50	1	50	2.33		116.50
⑩	HA	14	50	1	50	2.41		120.50
⑪	HA	12	12	1	12	9.78		117.36
⑫	HA	12	4	1	4	6.40		25.60
⑬	HA	12	4	1	4	9.79		39.16
⑭	HA	12	16	1	16	1.39		22.24
⑮	HA	14	50	1	50	2.03		101.50
⑯	HA	12	3	24	72	0.48		34.56

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	TOTAL
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)	—	—	—	498.60	421.00	116.50	—	—	—	—	—
POIDS (kg)	—	—	—	442.76	508.57	183.84	—	—	—	—	1135.17

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

NO	TYPE	SIZE	NOMBRE		ESP	LONG	SCHEMA(m)	LONG
			RESEAU	ELEMENT		UNITAIRE(m)		TOTALE(m)
PLOT3								
①	HA	14	98	1	98	3.66		358.68
②	HA	20	98	1	98	3.88		380.24
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	1.62		42.12
⑥	HA	12	6	1	6	9.56		57.36
⑦	HA	12	12	1	12	4.43		53.16
⑧	HA	12	5	24	120	1.68		201.60
⑨	HA	25	98	1	98	4.12		403.76
⑩	HA	12	98	1	98	4.05		396.90
⑪	HA	16	14	1	14	9.78		136.92
⑫	HA	16	2	1	2	6.40		12.80
⑬	HA	16	2	1	2	9.79		19.58
⑭	HA	12	14	1	14	9.78		136.92
⑮	HA	12	2	1	2	6.40		12.80
⑯	HA	12	2	1	2	9.79		19.58
⑰	HA	12	34	1	34	1.39		47.26
⑱	HA	12	98	1	98	1.95		191.10
⑲	HA	12	7	24	168	0.48		80.64

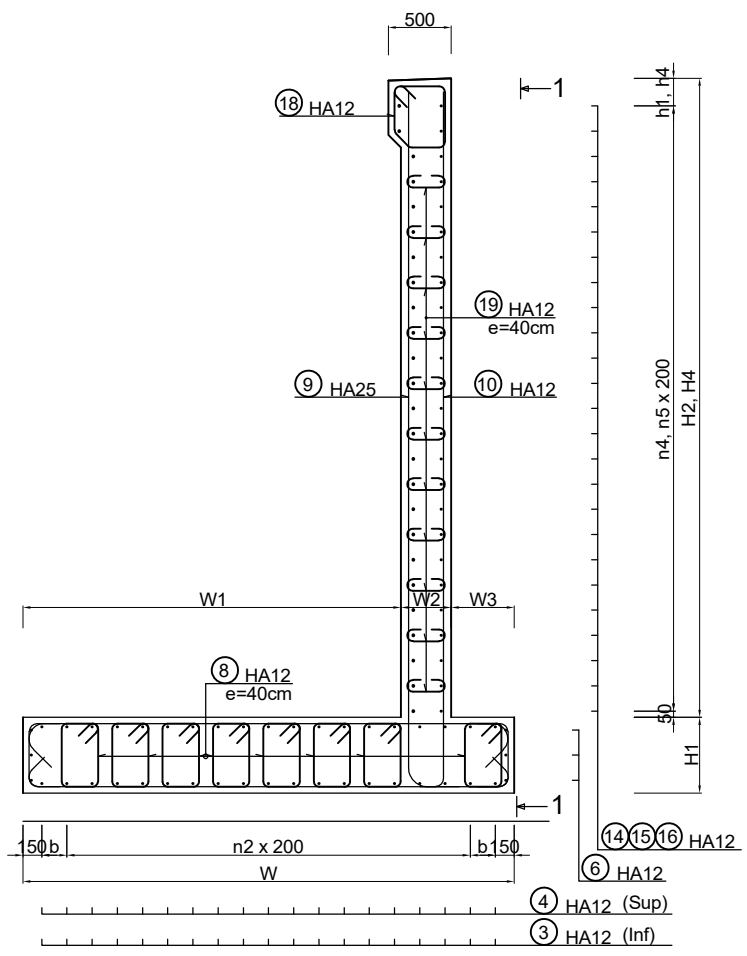
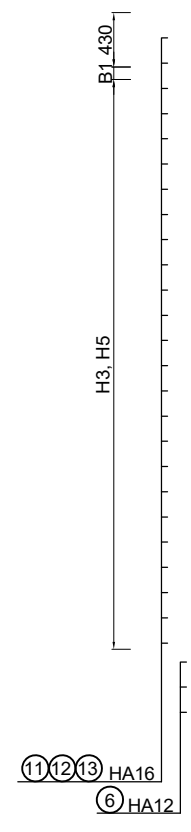
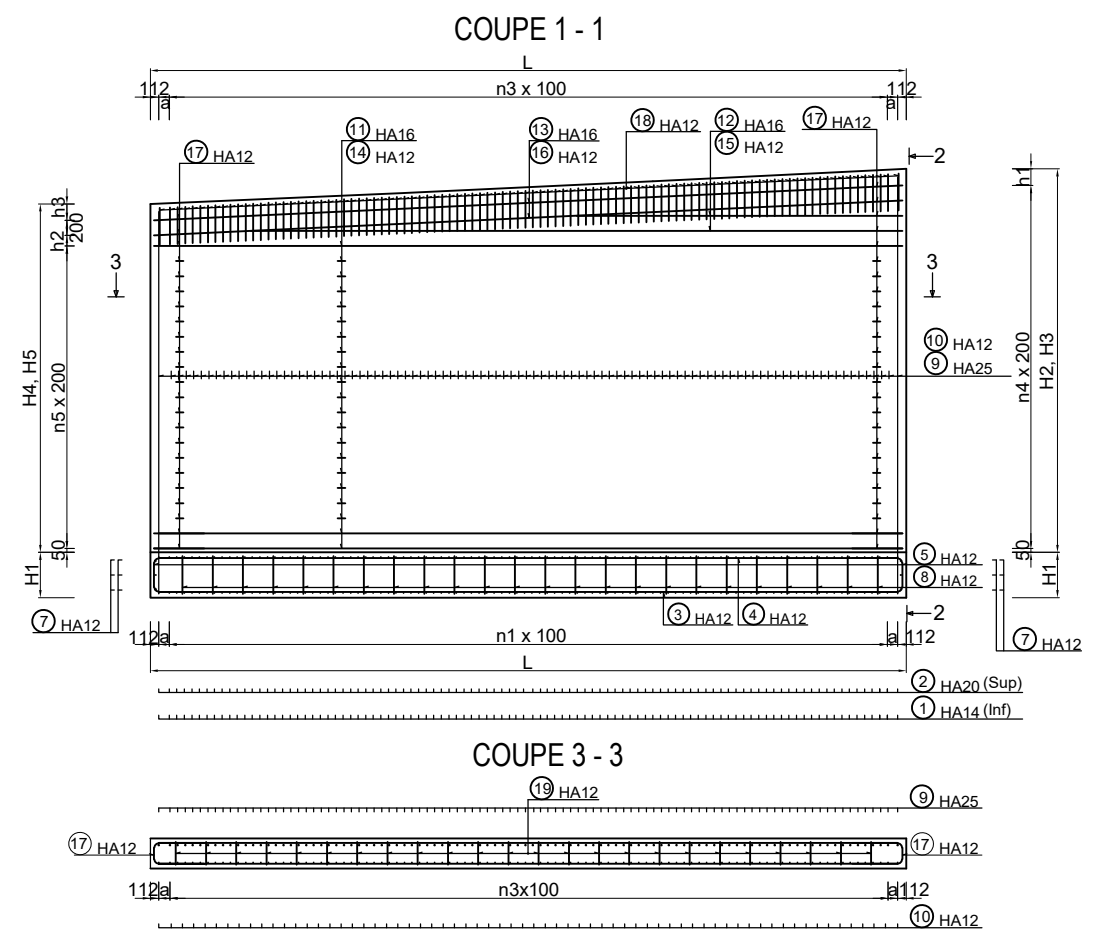
RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	TOTAL
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)	—	—	—	1488.00	358.68	169.30	380.24	403.76	—	—	—
POIDS (kg)	—	—	—	1321.34	433.29	267.16	937.67	1556.09	—	—	4515.55

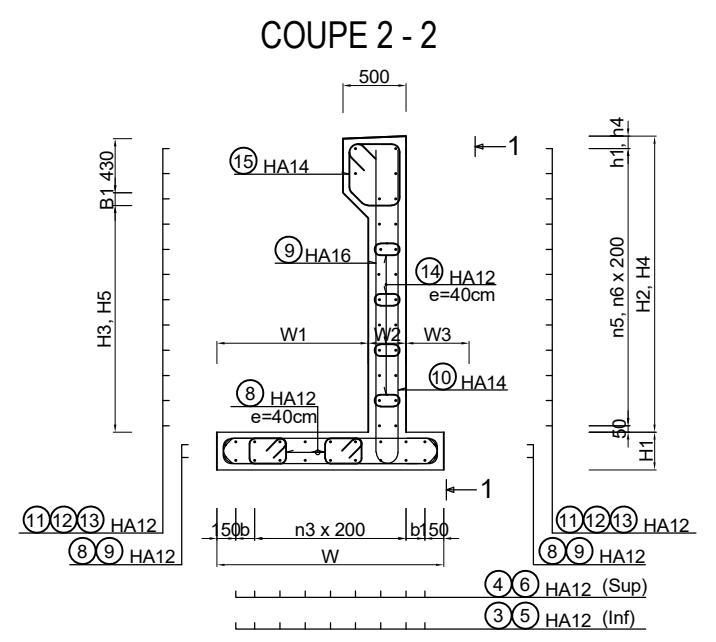
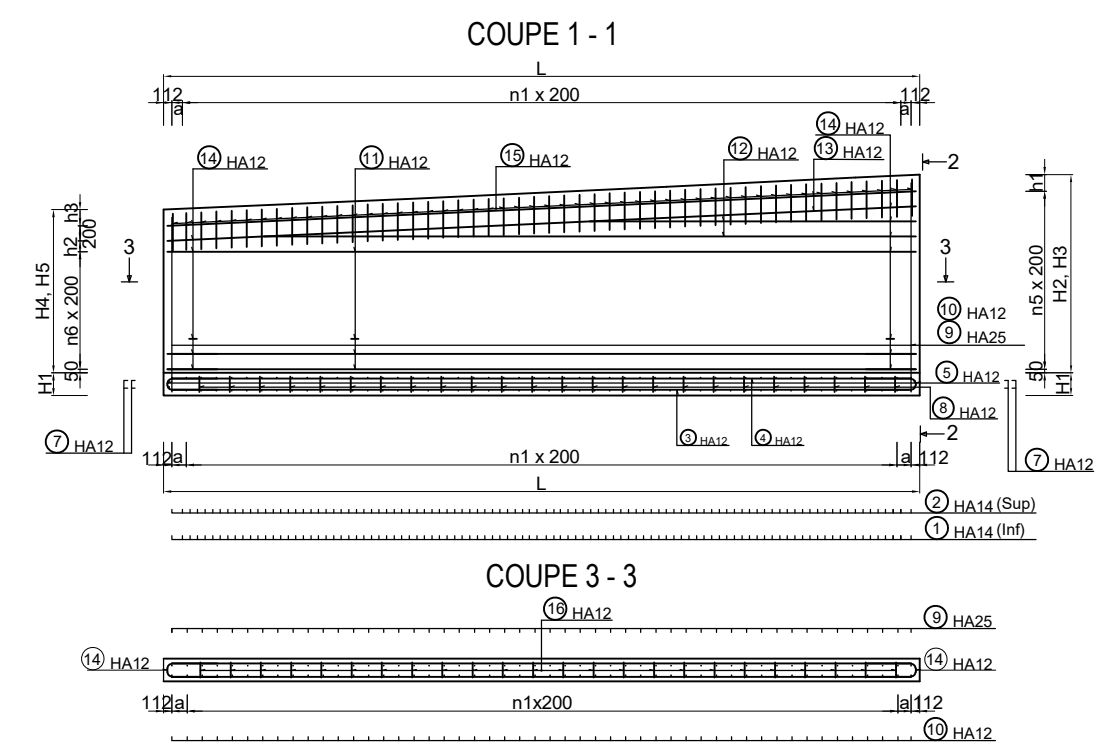
QUANTITE D'ARMATURES POUR UN MUR DE SOUTÈNEMENT / QUANTITY OF REBARS FOR A RETAINING WALL

NO	TYPE	SIZE	NOMBRE		ESP	LONG	SCHEMA(m)	LONG
			RESEAU	ELEMENT		UNITAIRE(m)		TOTALE(m)

TYPE 1



TYPE 2



	TYPE 1				M3				
	PLOT1	PLOT2	PLOT3	PLOT4	PLOT5	PLOT6	PLOT7	PLOT8	PLOT9
L	10000	10000	10000	10000	10000	10000	10000	10000	6300
H1	800	600	500	400	350	300	300	300	300
H2	5572	4662	4042	3446	2916	2452	2055	1724	1479
H3	5022	4012	3392	2796	2266	1802	1405	1074	829
H4	4972	4062	3466	2936	2472	2075	1744	1479	1359
H5	4522	3412	2816	2286	1822	1425	1094	829	709
B1	100	200	200	200	200	200	200	200	200
W	7000	3800	3000	2600	2300	1900	1700	1600	1450
W1	5600	3000	2200	1800	1500	1300	1100	1000	850
W2	400	300	300	300	300	300	300	300	300
W3	1000	500	500	500	500	300	300	300	300
n1	47	47	47	47	47	47	47	47	29
n2	32	16	12	10	10	8	7	5	4
n3	47	47	47	47	47	47	47	47	29
n4	27	22	19	16	13	11	9	7	6
n5	23	18	15	12	9	8	6	4	4
h1	122	212	192	196	266	202	205	274	229
h2	0	0	24	90	156	23	89	155	80
h3	122	212	192	196	266	202	205	274	229
a	138	138	138	138	188	188	188	188	138
b	150	150	150	150	0	0	0	150	175

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RIVIERA 3
MUR DE SOUTÈNEMENT M3 - FERRAILLAGE (1)
RETAINING WALL M3 - 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	
OCC, ISEC	BFM	PONT	DESSINS	H-RT-FE-036	A	

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

Table with columns: NO, TYPE, SIZE, NOMBRE (PRESENT, ELEMENT, TOTAL), ESP, LONG. UNITAIRE(m), SCHEMA(m), LONG. TOTALE(m). Rows 1-19 for PLOT1.

RECAPITULATIF ACIERS / SUMMARY STEELS

Summary table for Plot 1 with columns: HA, 6, 8, 10, 12, 14, 16, 20, 25, 32, 40, POIDS (kg/m, m, kg), TOTAL.

TOTAL POUR M3 / TOTAL FOR M3

POIDS TOTAL(kg) : 28936.54

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

Table with columns: NO, TYPE, SIZE, NOMBRE (PRESENT, ELEMENT, TOTAL), ESP, LONG. UNITAIRE(m), SCHEMA(m), LONG. TOTALE(m). Rows 1-16 for PLOTS.

RECAPITULATIF ACIERS / SUMMARY STEELS

Summary table for Plots with columns: HA, 6, 8, 10, 12, 14, 16, 20, 25, 32, 40, POIDS (kg/m, m, kg), TOTAL.

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

Table with columns: NO, TYPE, SIZE, NOMBRE (PRESENT, ELEMENT, TOTAL), ESP, LONG. UNITAIRE(m), SCHEMA(m), LONG. TOTALE(m). Rows 1-16 for PLOTS.

RECAPITULATIF ACIERS / SUMMARY STEELS

Summary table for Plots with columns: HA, 6, 8, 10, 12, 14, 16, 20, 25, 32, 40, POIDS (kg/m, m, kg), TOTAL.

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

Table with columns: NO, TYPE, SIZE, NOMBRE (PRESENT, ELEMENT, TOTAL), ESP, LONG. UNITAIRE(m), SCHEMA(m), LONG. TOTALE(m). Rows 1-19 for PLOT2.

RECAPITULATIF ACIERS / SUMMARY STEELS

Summary table for Plot 2 with columns: HA, 6, 8, 10, 12, 14, 16, 20, 25, 32, 40, POIDS (kg/m, m, kg), TOTAL.

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

Table with columns: NO, TYPE, SIZE, NOMBRE (PRESENT, ELEMENT, TOTAL), ESP, LONG. UNITAIRE(m), SCHEMA(m), LONG. TOTALE(m). Rows 1-16 for PLOT6.

RECAPITULATIF ACIERS / SUMMARY STEELS

Summary table for Plot 6 with columns: HA, 6, 8, 10, 12, 14, 16, 20, 25, 32, 40, POIDS (kg/m, m, kg), TOTAL.

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

Table with columns: NO, TYPE, SIZE, NOMBRE (PRESENT, ELEMENT, TOTAL), ESP, LONG. UNITAIRE(m), SCHEMA(m), LONG. TOTALE(m). Rows 1-16 for PLOT9.

RECAPITULATIF ACIERS / SUMMARY STEELS

Summary table for Plot 9 with columns: HA, 6, 8, 10, 12, 14, 16, 20, 25, 32, 40, POIDS (kg/m, m, kg), TOTAL.

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

Table with columns: NO, TYPE, SIZE, NOMBRE (PRESENT, ELEMENT, TOTAL), ESP, LONG. UNITAIRE(m), SCHEMA(m), LONG. TOTALE(m). Rows 1-19 for PLOT3.

RECAPITULATIF ACIERS / SUMMARY STEELS

Summary table for Plot 3 with columns: HA, 6, 8, 10, 12, 14, 16, 20, 25, 32, 40, POIDS (kg/m, m, kg), TOTAL.

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

Table with columns: NO, TYPE, SIZE, NOMBRE (PRESENT, ELEMENT, TOTAL), ESP, LONG. UNITAIRE(m), SCHEMA(m), LONG. TOTALE(m). Rows 1-16 for PLOT7.

RECAPITULATIF ACIERS / SUMMARY STEELS

Summary table for Plot 7 with columns: HA, 6, 8, 10, 12, 14, 16, 20, 25, 32, 40, POIDS (kg/m, m, kg), TOTAL.

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

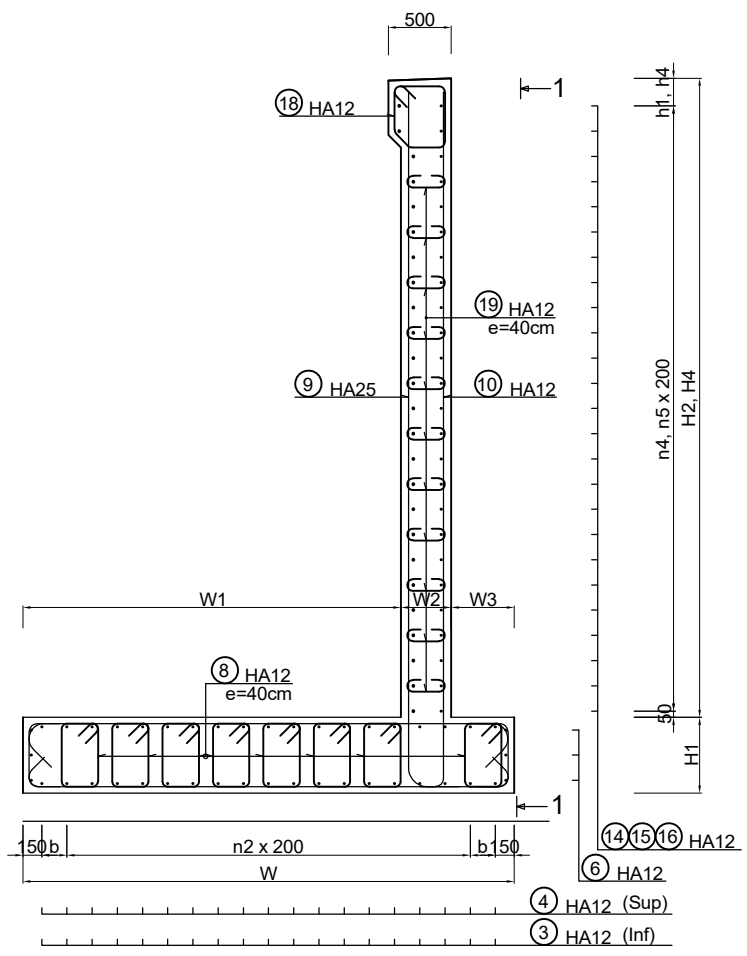
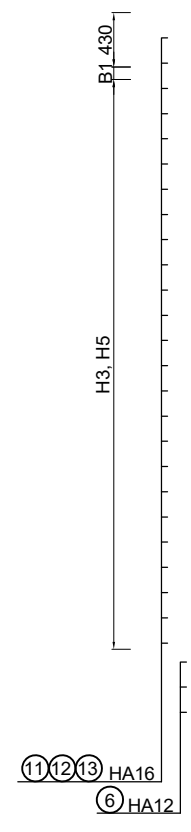
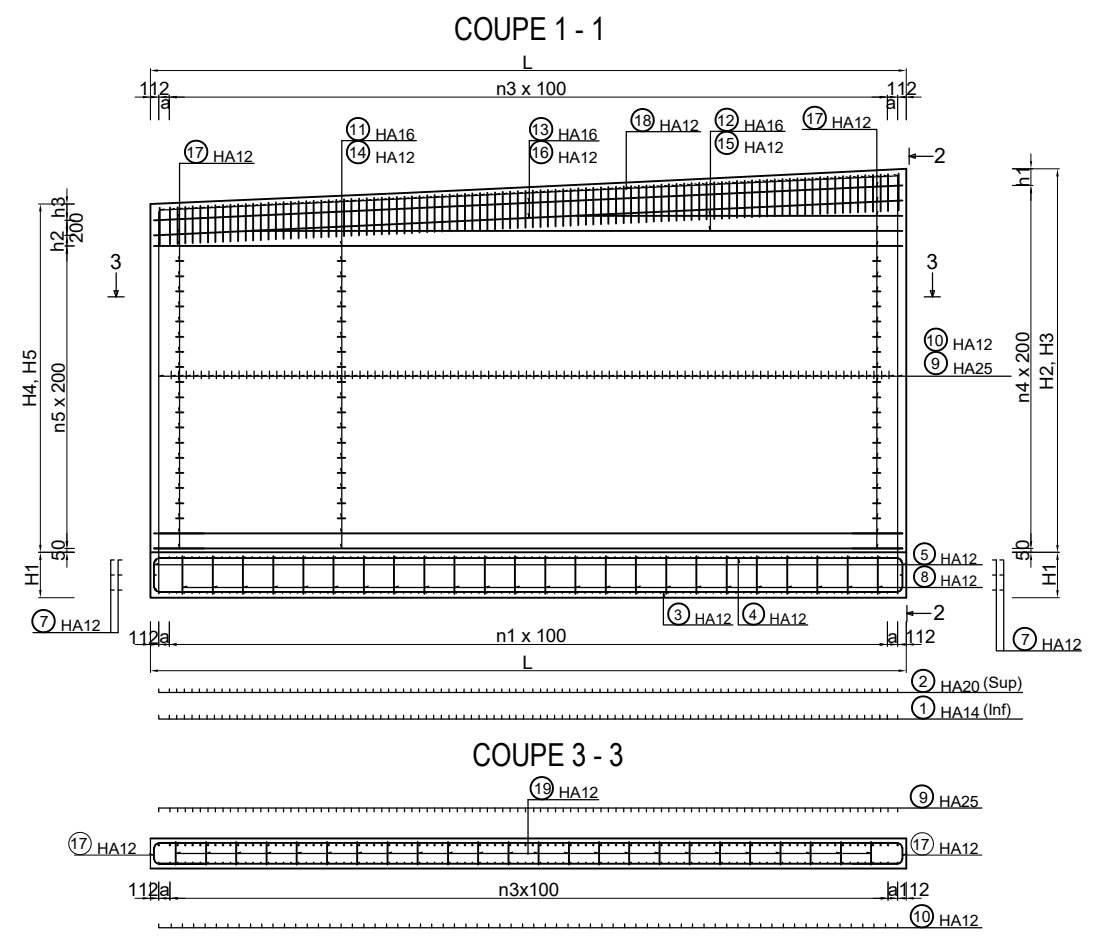
Table with columns: NO, TYPE, SIZE, NOMBRE (PRESENT, ELEMENT, TOTAL), ESP, LONG. UNITAIRE(m), SCHEMA(m), LONG. TOTALE(m). Rows 1-19 for PLOT4.

RECAPITULATIF ACIERS / SUMMARY STEELS

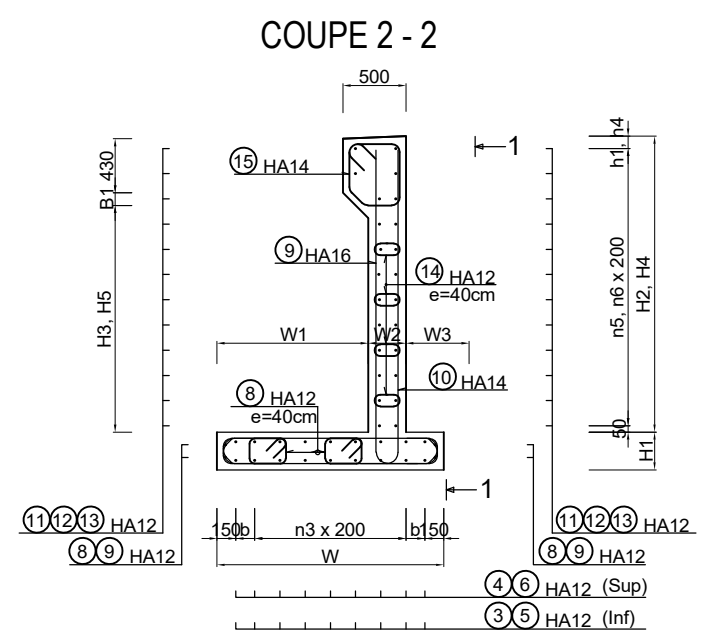
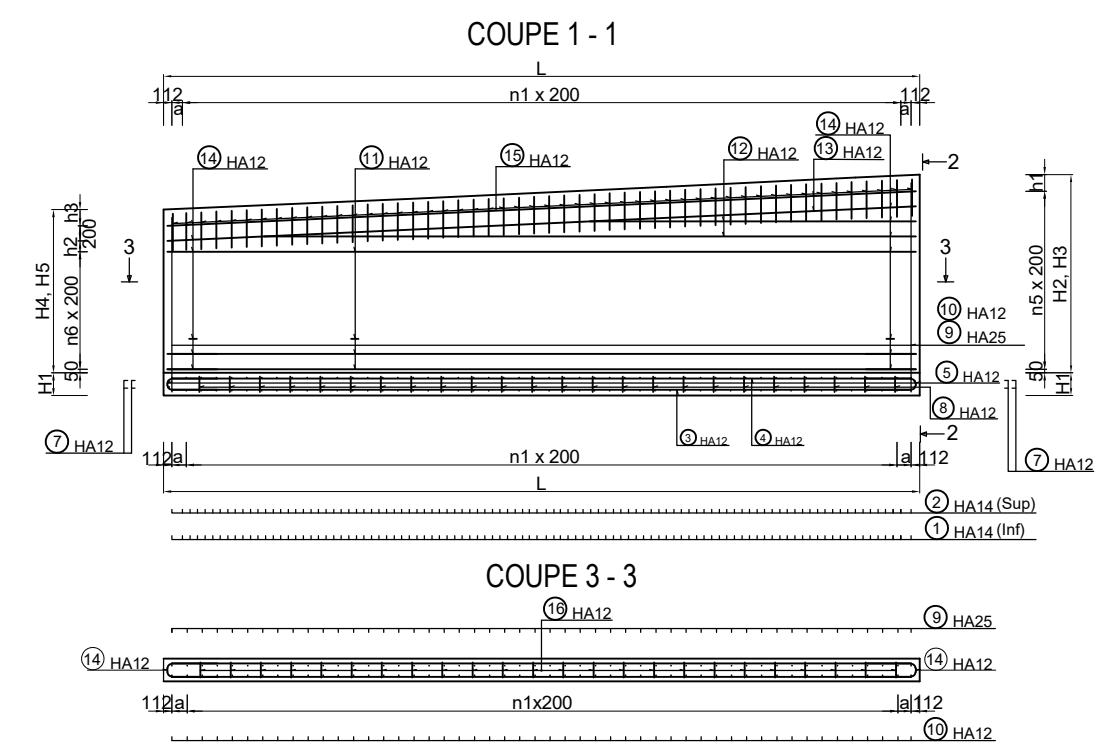
Summary table for Plot 4 with columns: HA, 6, 8, 10, 12, 14, 16, 20, 25, 32, 40, POIDS (kg/m, m, kg), TOTAL.

Project title: PROJET DE CONSTRUCTION DE TROIS ECHANGEURS A ABIDJAN. Logos: REPUBLIQUE DE COTE D'IVOIRE, AGENCE DE GESTION DES ROUTES, JICA, ORIENTAL CONSULTANTS GLOBAL CO., LTD., INGÉROSEC. Project description: RIVIERA 3 MUR DE SOUTÈNEMENT M3 - FERRAILLAGE (2) RETAINING WALL M3 - BAR ARRANGEMENT (2). Table with columns: Indice, Date, Préparé par, Vérifié par, Approuvé par, Description, Statut.

TYPE 1



TYPE 2



	TYPE 1				M4				
	PLOT1	PLOT2	PLOT3	PLOT4	PLOT5	PLOT6	PLOT7	PLOT8	PLOT9
L	10000	10000	10000	10000	10000	10000	10000	10000	5650
H1	800	600	500	400	350	300	300	300	300
H2	5422	4652	4032	3436	2906	2432	2044	1713	1468
H3	4872	4002	3382	2786	2256	1782	1394	1063	818
H4	4822	4052	3456	2926	2462	2054	1733	1468	1359
H5	4372	3402	2806	2276	1812	1404	1083	818	709
B1	100	200	200	200	200	200	200	200	200
W	7000	3800	3000	2600	2300	1900	1700	1600	1450
W1	5600	3000	2200	1800	1500	1300	1100	1000	850
W2	400	300	300	300	300	300	300	300	300
W3	1000	500	500	500	500	300	300	300	300
n1	47	47	47	47	47	47	47	47	26
n2	32	16	12	10	10	8	7	5	4
n3	47	47	47	47	47	47	47	47	26
n4	26	22	19	16	13	11	9	7	6
n5	22	18	15	12	9	8	6	4	4
h1	172	202	182	186	256	182	194	263	218
h2	0	0	24	90	156	22	89	155	91
h3	172	202	182	186	256	182	194	263	218
a	138	138	138	138	188	188	188	188	113
b	150	150	150	150	0	0	0	150	175

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

RIVIERA 3
MUR DE SOUTÈNEMENT M4 - FERRAILLAGE (1)
RETAINING WALL M4 - 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
OCC, ISEC	BFM	PONT	DESSINS	H-RT-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)
			PIECE	ELEMENT				
PLOT1								
1	HA	14	98	1	98	7.56		740.88
2	HA	20	98	1	98	7.58		742.84
3	HA	12	35	1	35	9.56		334.60
4	HA	12	35	1	35	9.56		334.60
5	HA	12	70	1	70	1.92		127.40
6	HA	12	6	1	6	9.56		57.36
7	HA	12	12	1	12	8.13		97.56
8	HA	12	14	24	336	2.28		766.05
9	HA	25	98	1	98	6.07		594.86
10	HA	12	98	1	98	5.90		578.20
11	HA	16	23	1	23	9.78		224.94
12	HA	16	2	1	2	6.40		12.80
13	HA	16	2	1	2	9.79		19.58
14	HA	12	23	1	23	9.78		224.94
15	HA	12	2	1	2	6.40		12.80
16	HA	12	2	1	2	9.79		19.58
17	HA	12	52	1	52	1.49		77.48
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	TOTAL
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)	—	—	—	2988.74	740.88	257.32	742.84	594.86	—	—	TOTAL
POIDS (kg)	—	—	—	2654.00	894.98	406.05	1831.84	2292.59	—	—	8079.46

TOTAL POUR M4 / TOTAL FOR M4

POIDS TOTAL(kg) : 28720.93

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)
			PIECE	ELEMENT				
PLOT5								
1	HA	14	50	1	50	2.69		184.50
2	HA	20	50	1	50	2.69		184.50
3	HA	12	11	1	11	9.56		105.16
4	HA	12	11	1	11	9.56		105.16
5	HA	12	22	1	22	1.47		31.24
6	HA	12	4	1	4	9.56		38.24
7	HA	12	8	1	8	3.43		27.44
8	HA	12	4	24	96	1.48		132.48
9	HA	25	50	1	50	3.33		166.50
10	HA	12	50	1	50	3.49		174.50
11	HA	12	20	1	20	9.78		195.60
12	HA	12	4	1	4	6.40		25.60
13	HA	12	4	1	4	9.79		39.16
14	HA	12	26	1	26	1.39		36.14
15	HA	14	50	1	50	2.03		101.50
16	HA	12	6	24	144	0.48		69.12

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	TOTAL
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)	—	—	—	805.34	645.70	166.50	—	—	—	—	TOTAL
POIDS (kg)	—	—	—	715.14	779.76	262.74	—	—	—	—	1757.04

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)
			PIECE	ELEMENT				
PLOT8								
1	HA	14	50	1	50	1.99		99.50
2	HA	14	50	1	50	1.99		99.50
3	HA	12	8	1	8	9.56		76.48
4	HA	12	8	1	8	9.56		76.48
5	HA	12	16	1	16	1.42		22.72
6	HA	12	4	1	4	9.56		38.24
7	HA	12	8	1	8	2.93		23.44
8	HA	12	2	24	48	1.38		66.24
9	HA	16	50	1	50	2.23		111.50
10	HA	14	50	1	50	2.30		115.50
11	HA	12	10	1	10	9.78		97.80
12	HA	12	4	1	4	6.40		25.60
13	HA	12	4	1	4	9.79		39.16
14	HA	12	14	1	14	1.39		19.46
15	HA	14	50	1	50	2.03		101.50
16	HA	12	3	24	72	0.48		34.56

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	TOTAL
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)	—	—	—	520.18	416.00	111.50	—	—	—	—	TOTAL
POIDS (kg)	—	—	—	461.92	502.53	175.95	—	—	—	—	1140.40

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)
			PIECE	ELEMENT				
PLOT2								
1	HA	14	98	1	98	4.16		407.68
2	HA	20	98	1	98	4.38		429.24
3	HA	12	19	1	19	9.56		181.64
4	HA	12	19	1	19	9.56		181.64
5	HA	12	38	1	38	1.72		65.36
6	HA	12	6	1	6	9.56		57.36
7	HA	12	12	1	12	4.93		59.16
8	HA	12	9	24	216	1.88		406.08
9	HA	25	98	1	98	5.20		509.60
10	HA	12	98	1	98	5.13		502.74
11	HA	16	19	1	19	9.78		185.82
12	HA	16	2	1	2	6.40		12.80
13	HA	16	2	1	2	9.79		19.58
14	HA	12	19	1	19	9.78		185.82
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	TOTAL
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)	—	—	—	2039.64	407.68	216.20	429.24	509.60	—	—	TOTAL
POIDS (kg)	—	—	—	1811.20	492.48	344.32	1058.51	1964.00	—	—	5670.51

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)
			PIECE	ELEMENT				
PLOT6								
1	HA	14	50	1	50	2.29		114.50
2	HA	14	50	1	50	2.29		114.50
3	HA	12	9	1	9	9.56		86.04
4	HA	12	9	1	9	9.56		86.04
5	HA	12	18	1	18	1.42		25.56
6	HA	12	4	1	4	9.56		38.24
7	HA	12	8	1	8	3.23		25.84
8	HA	12	2	24	48	1.38		66.24
9	HA	16	50	1	50	2.94		147.00
10	HA	14	50	1	50	3.02		151.00
11	HA	12	18	1	18	9.78		127.14
12	HA	12	4	1	4	6.40		25.60
13	HA	12	4	1	4	9.79		39.16
14	HA	12	22	1	22	1.39		30.58
15	HA	14	50	1	50	2.03		101.50
16	HA	12	4	24	96	0.48		46.08

RECAPITULATIF ACIERS / SUMMARY STEELS

HA	6	8	10	12	14	16	20	25	32	40	TOTAL
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)	—	—	—	596.52	481.50	147.00	—	—	—	—	TOTAL
POIDS (kg)	—	—	—	529.71	581.65	231.97	—	—	—	—	1343.33

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)
			PIECE	ELEMENT				
PLOT9								
1	HA	14	29	1	29	1.84		53.36
2	HA	14	29	1	29	1.84		53.36
3	HA	12	7	1	7	5.21		36.47
4	HA	12	7	1	7	5.21		36.47
5	HA	12	14	1	14	1.42		19.88