[illegible]

[illegible]

بيان الأعمال والمستخلص رقم : ٢/٢١ جاري

مشروع : انشاء كوبري مزدان أبو حميس العلوي

رقم البند وبيانه : (١)	بالمتر المكعب توريد وردم رمال نظيفة مورده من خارج الموقع حول الانشاءات ومحول جسم الكوبري طبقا للمسموحات التنفيذية وحسب تعليمات المهندس المشرف والسعر يشمل الردم على طبقات لا يزيد سمك الطبقة عن ٢٥ سم مع الرش بالمياه والدمك جيد باستخدام آلات الدمك الميكانيكية للوصول إلى أقصى كثافة جافة والسعر يشمل عمل الاختبارات اللازمة طبقا لتعليمات المهندس المشرف وهو المستوجع العلوي لردم طبقا للمسموحات التنفيذية وكل ما يلزم لتمام العمل وهو كاملا طبقا للأصول الصناعة والمسموحات وتعليمات المهندس المشرف مسافة النقل : ١٢ كم

مقاولة شركة : النيل العامة للمقاولات والتجارة

الكمية بالمقايسة الموحدة رقم ١						مقدار العمل السابق		٥١١٩,٣٣٧٥
بيان الأعمال بالمقايسة	الموقع الكيلو متري		الأبعاد				العدد	الإجمالي م٣
	من	إلى	طول م	عرض م	ارتفاع م			
ردم رمال حول حمل الجاز						٢٢٠	٠	٢٢٠
ردم رمال أسفل سور الشاطئ الجنوبي						[illegible]	٠	[illegible]
ردم رمال بجانب خوازيق المرحلة الثالثة للمصرف						[illegible]	٠	[illegible]
الإجمالي								[illegible]

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

عن الشركة

عن الاستشاري

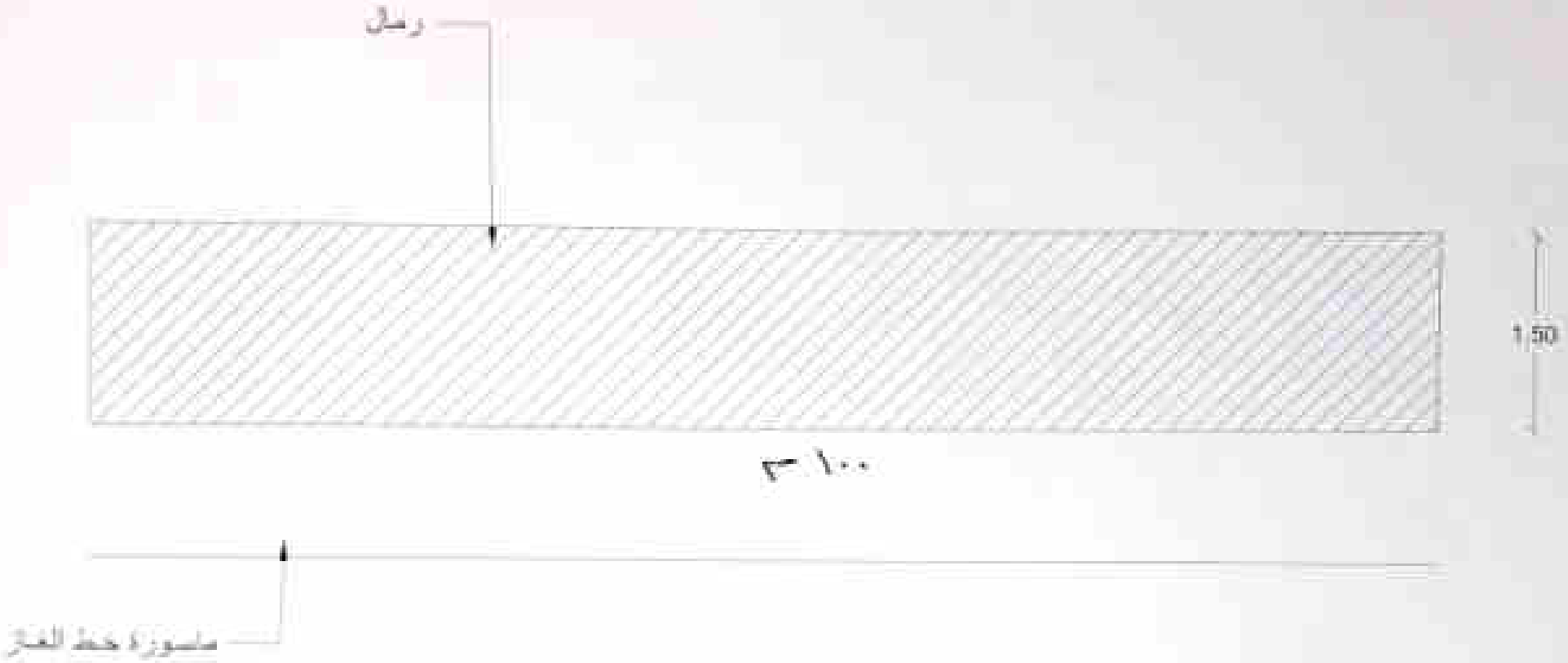
عن الجهة

رغاد

حصر أعمال الردم بالرمال حول خط الغاز					
Zone	طول	العرض	الارتفاع	العدد	الحجم
القطاع	100	1.5	1.5	1	225.00
الاجمالى (م٣)					225.00

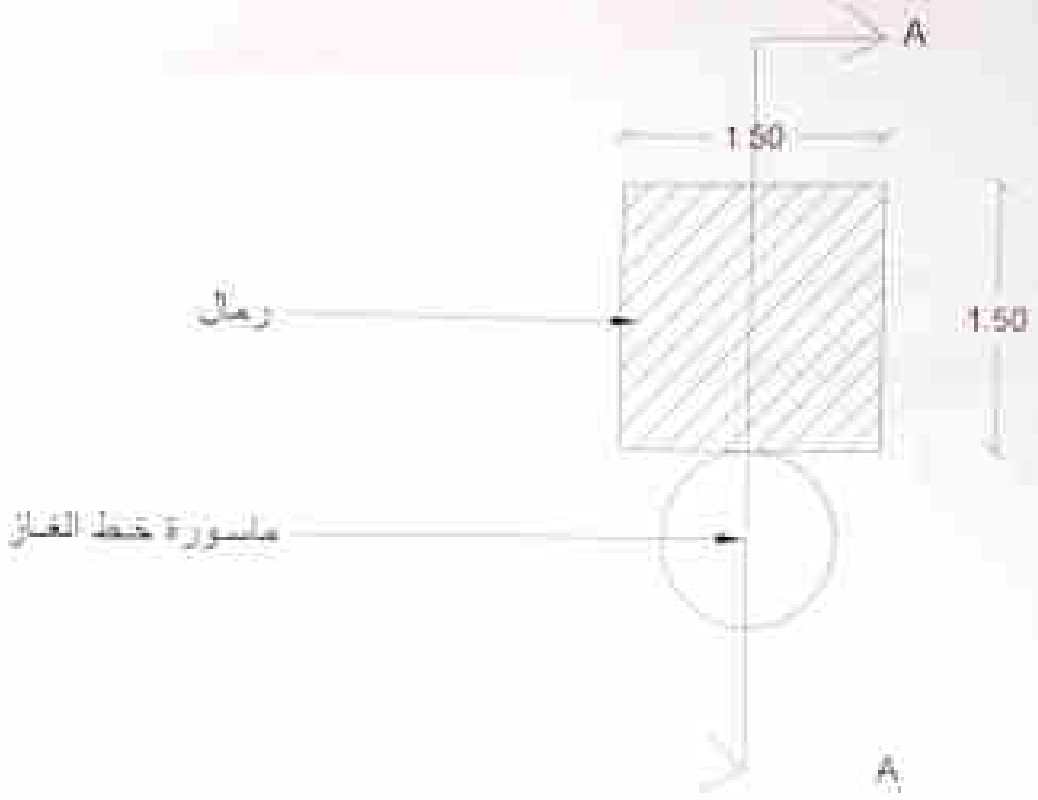
مهندس الشركة

مهندس الاستشارى



قطاع الرابع اعلى خط الغاز

Sectio (A-A)



قطاع الردم أعلى خط الغاز

وزارة النقل
الهيئة العامة للطرق و الكباري و النقل البري
(GARDOLT)

وزارة النقل
شركة القابضة لمشروعات
الطرق و الكباري و النقل البري (ش.م.م)
شركة النيل العامة للطرق والكباري
ش.م.م

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثالثة عشر

تنفيذ شركة النيل العامة للطرق والكباري

توريد ورفع رمال لتغطية أسفل سور السكة الحديد						
العنصر	الطول	العرض	الارتفاع	الحجم	العدد	الإجمالي ب م٣
1	59.54	6	1.21	432.2604	1	432.2604
2	49.229	6	1.21	357.40254	1	357.40254
الاجمالي						789.66294

عن الشركة

عن الاستشارى

عن الهيئة

وزارة النقل
الشركة القابضة لمطروعات
الطرق و الكباري و النقل البري (ق . م . ق . م)
شركة النيل العامة للطرق والكباري
ش . ت . م . م

الهيئة العامة
للطرق و الكباري و النقل البري
(GARBLT)
وزارة النقل

وزارة النقل
الهيئه العامه للطرق و الكباري
الهيئه العامه للطرق و الكباري المنطقه الثالثه عشر

تنفيذ:شركة النيل العامة للطرق والكباري

توريد وردم رمال صالحه للردم اسفل بجانب خوازيق المرحله الثالثه للمصرف						
العنصر	الطول	العرض	الارتفاع	الحجم	العدد	الاجمالى ب م٣
1	65.74	17.2	2.5	2826.82	1	2826.82
الاجمالي						2826.82

عن الشركة

عن الاستشاري

عن الهيئة

بيان الإعمال بالمستخلص رقم : (١٦) جاري

بمدينة : الشيخ كوري مزاكان أبو حميس الجنوبي

رقم البند وبيانه : (٢)	حفر لزوم أساسات الفيج والحوائط المسلحة والبيد بشمل صب جوانب الحفر بنزح المياه إذا لزم الأمر

لشركة : المنى العامة للطرق والمقاولات

الكمية بالمقايسة المعتمدة رقم : ٠,٢٥ م٣ مقدار العمل السابق ٠,٢٩ ٩٦

بيان الأعمال بالمقايسة	الموقع بالكيلومتر من	الى	الأبعاد مكعب م٣	العدد	الإجمالي م٣
حفر لزوم أساسات الفيج بجانب شريط أسفلت جانب الطريق			٠,٦٤٠,٢٧٥	١	٠,٦٤٠,٢٧٥
حفر لزوم أساسات الفيج بين الشريط وسور الشبكة المحيطة بالمطار داخل الطريق			٠,٥٤٥,٢٥١	١	٠,٥٤٥,٢٥١
حفر لزوم سور الشبكة بجانب الطريق الأول			٠,٠٩٤,٠٩	١	٠,٠٩٤,٠٩
حفر لزوم سور الشبكة بجانب الطريق الثاني			٠,٠٤٤,٢٦٩	١	٠,٠٤٤,٢٦٩
حفر لزوم دفاية زيت الشهر لدفة الطريق الأول			٠,٠٤٤,٢٦	١	٠,٠٤٤,٢٦
حفر لزوم دفاية زيت الشهر لدفة الطريق الثاني			٠,٠٩٤٤,٠٠٩	١	٠,٠٩٤٤,٠٠٩
الإجمالي					٢,٤٩٠,٠٠٣

الإجمالي بالأرقام قبل الزيادة	٣,٠١٣,٠٤٩
مبلغ الكمية المدرجة بالمستخلص السابق	٥٩٣٤
الكمية المدرجة بالمستخلص خلال مدة	٢,٤٩٠
إجمالي الكمية المدرجة بالمستخلص الحالي	٣,٠٩

عن الشركة

عن الاستشاري

عن الجهة

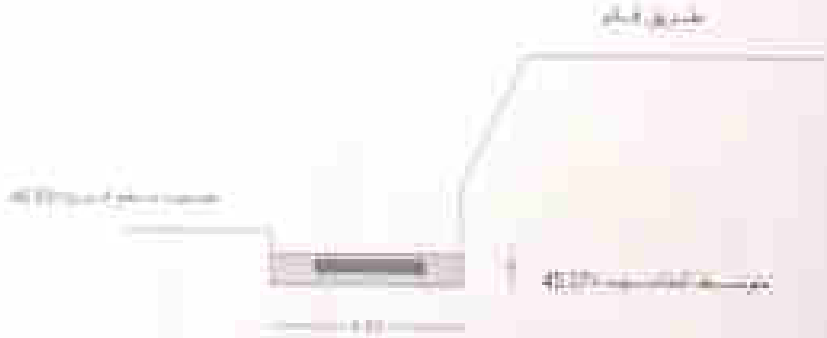
حصر الحفر بجانب الربع أسفل منزل أبو حميص

رقم القطاع	رقم البند	البند	طول الحفر الاجمالي	عمق الحفر	عرض الحفر	مكعب الحفر (م٣)
القطاع الأول	٦	حفر فروع أساسات الربع والحوائط المساندة والبند يشمل سند جوانب الحفر وربع الصوبة إذا تم الأمر	37.66	1	9.25	348.989
القطاع الثاني	٦	حفر فروع أساسات الربع والحوائط المساندة والبند يشمل سند جوانب الحفر وربع الصوبة إذا تم الأمر	50.41	1.05	6.9	554.506
اجمالي كمية الحفر						899.375

مهندس الشركة

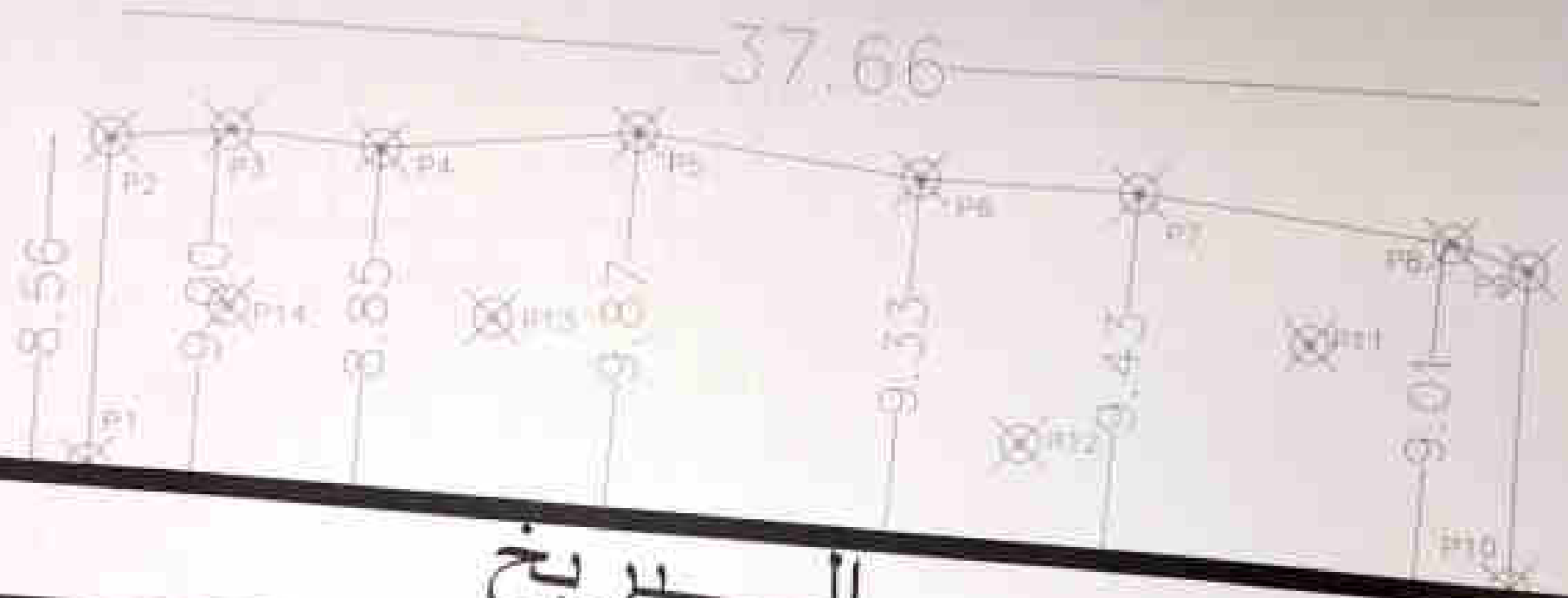
مدير المشروع الاستشاري

القطـــاع الاول



القطـــاع الثـــانى

قطاعـــات الحفـــر



البربخ

القطاع الاول

نقط الميزانية لقطاع الحفر الاول

POINT	EASTING	NORTHING	LEVEL
P1	548913.2643	930542.907	45.89
P2	548913.855	930551.449	45.92
P3	548917.005	930551.621	45.89
P4	548920.9321	930551.142	45.77
P5	548927.7132	930551.5622	45.89
P6	548935.235	930550.3177	45.89
P7	548940.99	930549.8488	45.63
P8	548949.3114	930548.4591	45.89
P9	548951.352	930547.742	45.78
P10	548950.714	930539.2688	45.97
P11	548945.5516	930545.8195	45.95
P12	548937.8998	930543.311	45.8
P13	548923.8815	930546.7373	45.75
P14	548916.903	930547.0432	45.88

البربخ

القطاع الثانى

نقط الميزانية لقطاع الحفر الثاني

POINT	EASTING	NORTHING	LEVEL
P1	549000.45	930531.7992	45.01
P2	549000.876	930536.756	45.04
P3	548990.9689	930538.8733	44.77
P4	548994.1208	930535.289	45.1
P5	548977.7591	930542.8875	45.09
P6	548973.0487	930541.2251	45.14
P7	548968.2127	930539.1449	44.73
P8	548964.3104	930544.1639	45.15
P9	548961.9076	930543.2441	45.12
P10	548955.2351	930541.1028	44.99
P11	548953.3374	930544.2842	44.96
P12	548951.352	930547.742	44.95
P13	548950.7097	930539.2692	45.9

حصر الحفر بموازيات الترعة أسفل مبنى أبوحمص لناحية سور المحطة

رقم القطاع	رقم البند	البند	طول الحفر الإجمالي	عمق الحفر	عرض الحفر	مكعب الحفر (م٣)
ZONE A	١	حفر أرض لأساسات البرج والحوائط الساندة وأيضاً يشمل بعد جوانب الحفر وبرج المياه إذا تم الأمر	555.54	1.16	33.67	1833.758
ZONE B	١	حفر أرض لأساسات البرج والحوائط الساندة وأيضاً يشمل بعد جوانب الحفر وبرج المياه إذا تم الأمر	37.68	1.46	12.99	714.616
		اجمالي كمية الحفر				2548.375

مدير المشروع الاستشاري

مهندس الشركة

ميزانية شبكية قبل الحفر لمنزل الكويري الجزء مابين البرج وسور المحطة

POINT	EASTING	NORTHING	level
P1	548898.648	930537.593	47.48
P2	548906.372	930532.830	47.5
P3	548918.203	930535.293	47.39
P4	548932.171	930529.216	47.43
P5	548946.304	930531.680	47.21
P6	548961.915	930526.260	46.98
P7	548975.554	930526.260	46.82
P8	548985.743	930520.840	47.8
P9	548997.180	930516.007	47.53
P10	548997.988	930525.389	46.94

ميزانية شبكية بعد الحفر لمنزل الكوبرى الجزء مابين البرنج وسور المحطة

POINT	EASTING	NORTHING	level
P1	548898.648	930537.5927	46.02
P2	548906.3715	930532.8297	45.89
P3	548918.2032	930535.2933	45.83
P4	548932.1713	930529.2163	45.84
P5	548946.3036	930531.68	45.93
P6	548961.9149	930526.26	45.95
P7	548975.5543	930526.26	46.02
P8	548985.7428	930520.84	45.92
P9	548997.1797	930516.0066	45.95
P10	548997.99	930525.39	46.07

الهيئة العامة
للطرق و الكباري و النقل البري
(CARBLT)

وزارة النقل
الشركة القابضة لمشروعات
الطرق و الكباري و النقل البري (ش . م . ق - م)
شركة المقاولون العرب للطرق والكباري
ش . م . م

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثالثة عشر

تلفيا: شركة النيل العامة للطرق والكباري

استكمال حفر لزوم أساسات البرابخ و الفوهة الحالية						
العنصر	الطول	العرض	الارتفاع	الحجم	العدد	الاجمالي ب م٣
سور المنشأ الجنوبي ٢	59.54	6	2.86	1021.7064	1	1021.7064
سور المنشأ الجنوبي ٢	49.229	6	2.86	844.76864	1	844.76864
الاجمالي						1866.47904

عن الشركة

عن الاستشاري

عن الهيئة

الهيئة العامة
للطرق و الكباري و النقل البري
(GARBELT)

وزارة النقل
الشركة القابضة لمشروعات
الطرق و الكباري و النقل البري (ش . م . ب . ق)
شركة الطرق والكباري
ش . م . م

وزارة النقل
الهيئه العامه للطرق و الكباري
الهيئه العامه للطرق و الكباري المنطقه الثالثه عشر

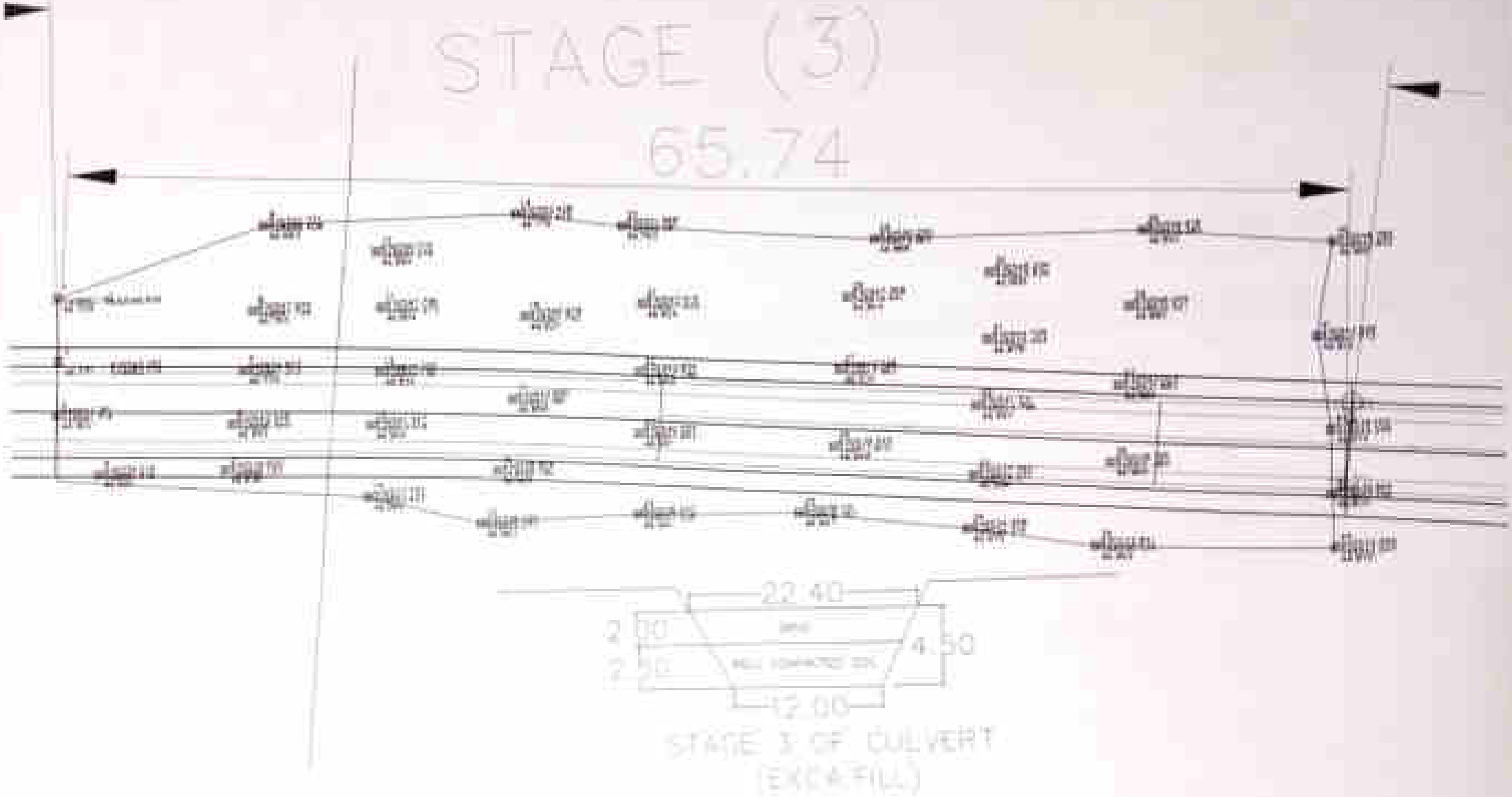
تنفيذ شركة النيل العامة للطرق و الكباري

استخراج حفر لزوم استكمال الرصيف و الحوائط المسلحه						
العنصر	الطول	العرض	الارتفاع	الحجم	العدد	الاجمالي ب م٣
خوازيق المرحله الثالثه	55.74	17.2	4.5	5068.276	1	5068.276
الاجمالي						5068.276

عن الشركة

عن الاستشاري

عن الهيئة


STAGE (3)
65.74
22.40
2.00
4.50
2.20
12.00
STAGE 3 OF CULVERT
(EXCAFILL)

الشبكة الشاملة
للمعلومات و التكنولوجيا و النقل البري
(CARREL)

وزارة النقل
الشركة القابضة لمشروعات
الطرق و الكباري و النقل البري (ش.م.ق.م)
شركة الطرق والكباري
ش.م.م

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثالثة عشر

تنفيذ شركة النيل العامة للطرق والكباري

استعمال كفر الزوم لمناسبات الزواج و الخوانة المشدود							
العنصر	الطول	العرض	الارتفاع	الحجم	العدد	الاجمالي ب م٣
طوارئ المرحلة الرابعة	132.02	17.2	4.5	10288.008	1	10288.008
الاجمالي						10288.008

عن الشركة

عن الاستشاري

عن الهيئة

وزارة النقل
الهيئة العامة للطرق والكبارى
الهيئة العامة للطرق والكبارى المنطقة الثالثة عشر

تنفيذ شركة النيل العامة للطرق والكبارى

بيان الأعمال بالمستخلص رقم : (١٩) جارى

عملية : انشاء كوبرى مرلقان أبو حمص العلوى

رقم البند وبيانه : (٧-أ)	بالغ المكعب لكسر وإزالة خرسانة مسلحة لزوم الفواقل المعترضة أسفل الكوبرى ومنطقة الوريح ونقل المخلفات إلى المقالب العمومية

تنفيذ شركة : النيل العامة للطرق والكبارى

الكمية بالمقايسة المجددة رقم ٤ : ٤٠٠ م٣ مقدار العمل السابق ٤١,٥

بيان الأعمال بالمقايسة	الموقع الكيلو مترى من	إلى	الحجم طول	عرض	ارتفاع	الإجمالى م٣
تكسير وبيور مبنى أرى المتعارض مع مطبع الكوبرى				١١٢,٢٢		[illegible]
تكسير السور وأرض المتعارض مع مدخل الكوبرى				١٦,٨٢		١٦,٨٢
تكسير الخرسانة المسلحة بالبلاطة المتعارضة مع مطبع الكوبرى				١٢,٢		١٢,٢
تكسير الخرسانة المسلحة بالبلاطة المتعارضة مع مدخل الكوبرى				٦		٦
الإجمالى						١٧٨,٣٨

اجمالى مالم تنفيذه حتى تاريخه	٢١٩,٨٨
اجمالى الكمية المدرجة بالمستخلص السابق	٤١,٥
الكمية المدرجة بالمستخلص خلال مدة	١٧٧,٥
اجمالى الكمية المدرجة بالمستخلص الحالى	٢١٩

عن الشركة — عن الاستشارى — عن الهيئة

حصر الكميات الخرسانية المستخدمة لسور وغرف مبنى الري						
Zone	طول	ارتفاع	المساحة	السمك	العدد	الحجم
semels	140	0.6	95	0.3	2	96.00
columns	0.4	8	1.6	0.4	45	28.80
slabs	10.7	6.9	73.83	0.25	1	18.46
	10.7	3.8	40.66	0.25	1	10.17
	3.95	3.9	15.41	0.25	1	3.85
	6.75	4.25	28.69	0.25	1	7.17
الاجمالي (م٣)						163.26

مدير المشروع الاستشاري

مهندس الشركة

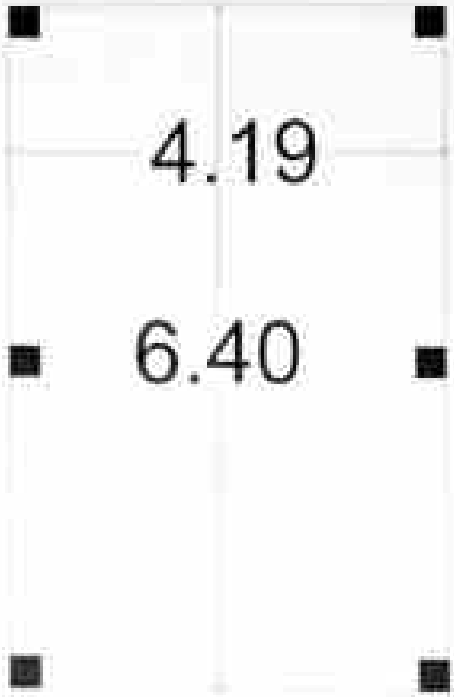
كوبــرى مزلقــان ابــوحمص

حصر تكسير الخرسانة المسلحة لمبنى السوبر ماركت المتعارض مع منزل الكوبرى						
Zone	طول	ارتفاع	المساحة	السمك	العدد	الحجم
semels	21.2	0.6	12.72	0.5	1	6.36
columns	0.4	4	1.6	0.4	6	3.84
slabs	6.4	4.2	26.88	0.25	1	6.72
الاجمالى (م٣)						16.92

مهندس الشركة

مدير المشروع الاستشارى

كوبـــرى مزلقـــان أبـــوحمص



السوبر ماركت الموجود المتعارض مع المنزل

حصر تكسير الخرسانة المسلحة لسور وقواعد البنزينة المتعارضه مع مطلع الكوبرى						
Zone	طول	ارتفاع	المساحة	السمك	العدد	الحجم
semels	30	0.6	18	0.5	1	9.00
columns	0.4	4	1.6	0.4	5	3.20
الاجمالى (م٣)						12.20

مدير المشروع الاستشاري

مهندس الشركة

كوبـــرى مزلقـــان أبـــوحمص

قطاعـــات التكســـير بالبنزينـــة المتواجـــده بمطلـــع الكوبـــرى

حصر تكسير الخرسانة المسلحة لسور وقواعد البنزينة المتعارضه مع منزل الكوبرى						
Zone	طول	ارتفاع	المساحة	السمك	العدد	الحجم
semels	20	0.6	12	0.5	1	6.00
الاجمالى (م٣)						6.00

مهندس الشركة

مدير المشروع الاستشاري

كوبـــرى مزلقـــان أبـــوحمص

قطاعـــات التكســـير بالبلزبيـــة المتواجـــده بمـــزل الكوبـــرى

وزارة النقل
الهيئة العامة للطرق والكباري
الهيئة العامة للطرق والكباري [illegible]

تنفيذ شركة النيل العامة للطرق والكباري

بيان الأعمال والمستخلص رقم : (١٩) جاري

عملية : انشاء كوبري مزلقان أبو حمص العلوي

رقم البند وبيانه : (٨)	بالمتر المكعب تكسير وإزالة مباني وهيسكاة خاصة لزوم العوائق المعترضة لمسار الكوبري ومنطقة الوزن ونقل المخلفات إلى المطالب العمومية

تنفيذ شركة : النيل العامة للطرق والكباري

الكمية بالمقايسة : ١٩٠٠ م٣ | مقدار العمل السابق : ١٦,٣٠٩

بيان الأعمال بالمقايسة	الموقع الكيلومتري من	إلى	مقدار العمل السابق	الإجمالي م٣
تكسير جزء مبنى البرج المعترض مع مجتمع الكوبري			[illegible]	[illegible]
تكسير السور فارغ المعترض بوسائل الكوبري			[illegible]	[illegible]
تكسير الخرسانة العادية بالبلاطة المعترضة مع مجتمع الكوبري			[illegible]	[illegible]
تكسير الخرسانة العادية بالبلاطة المعترضة مع دون الكوبري			[illegible]	[illegible]
الإجمالي				٢٩٥

اجمالي ما تم تنفيذه حتى البند السابق	[illegible]
اجمالي الكمية المطلوبة بالمقايسة من البند السابق	[illegible]
الكمية المتبقية بالمقايسة من بداية العملية	[illegible]
اجمالي الكمية المطلوبة بالمقايسة من البند	[illegible]

عن الشركة | عن الاستشاري | عن الهيئة

حصر تكسير الخرسانة العادية لجدار السور وغرف مبنى الري						
Zone	طول	ارتفاع	المساحة	السمك	العدد	الحجم
outer walls	91.28	4	365.12	0.3	1	109.54
inner walls	13.4	4	53.60	0.3	1	16.08
	10.7	4	42.80	0.3	1	12.84
	10.7	4	42.80	0.3	1	12.84
	3.9	4	15.60	0.3	1	4.68
الاجمالي [م٣]						155.97

مهندس الشركة

مدير المشروع الاستشاري

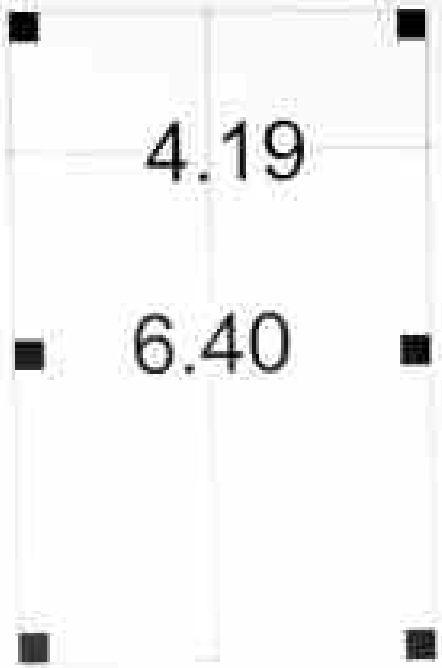
كوبري مرتفعات الرحمن

حصرتكسير الخرسانة العادية لمبنى السوبر ماركت المتعارض مع منزل الكوبرى						
Zone	طول	ارتفاع	المساحة	السمك	العدد	الحجم
outer walls	21.2	4	84.8	0.3	1	25.44
الاجمالى (م٣)						25.44

مهندس الشركة

مدير المشروع الاستشاري

كوبـــرى مزلقـــان أبـــوحمص



السوبر ماركت الموجود المتعارض مع المنزل

حصر تكسير الخرسانة العادية لسور وقواعد البازينة المتعارضة مع مطلع الكوبري						
Zone	طول	ارتفاع	المساحة	السمك	العدد	الحجم
outer walls	15	4	60	0.3	1	18.00
Zone	طول	عرض	المساحة	السمك	العدد	الحجم
slab on grade	64.14	9.89	634.34	0.25	1	158.59
الاجمالي (م٣)						176.59

مدير المشروع الاستشاري

مهندس الشركة

كوبـــرى مزلقـــان أبـــوحمص

[illegible] كوبـــرى

حصر تكسير الخرسانة العادية لسور وقواعد التزينة المتعارضة مع منزل الكويرى

Zone	طول	ارتفاع	المساحة	السمك	العدد	الحجم
outer walls	8.62	4	34.48	0.3	1	10.34
Zone	طول	عرض	المساحة	السمك	العدد	الحجم
slab on grade	51.19	4.45	227.71	0.25	1	56.93
الاجمالى [م٣]						67.27

مدير المشروع الاستشارى

مهندس الشركة

كوبـــرى مزلقـــان أبـــوحمص

قطاعـــات التكســـير بالمنزليـــة المتواجـــده بمنـــزل الكوبـــرى

وزارة النقل
الهيئة العامة للطرق والكبارى
الهيئة العامة للطرق والكبارى المنطقة الثالثة مصر

تنفيذ شركة النيل العامة للطرق والكبارى

بيان الاعمال بالمستخلص رقم : (١٩) جارى

عملية : انشاء كوبرى مزلقان أبو حمص العلوى

رقم البند وبيانه : (٩-أ)	بالعدد نقل ماكينة الخوازيق إلى موقع العمل ثم فكها ونقلها خارج الموقع بعد الانتهاء من كافة الأعمال والسعر يشمل المعدات والإونش والعمالة لفك والتركيب بالموقع ومكان تخزينها والبند شامل مما جميعه طبقا لأصول الصناعة والرسومات والمواصفات وتعليمات المهندس المشرف

تنفيذ شركة : النيل العامة للطرق والكبارى

الكمية بالمقايسة			٣,٢٥ بالعدد	مقدار العمل السابق		-		
بيان الاعمال بالمقايسة	الموقع الكيلو مترى		الأبعاد			العدد	الإجمالى بالعدد	
	من	الى	طول	عرض	سمك			
بالعدد نقل ماكينة الخوازيق إلى موقع العمل ثم فكها ونقلها خارج الموقع بعد الانتهاء من كافة الأعمال والسعر يشمل المعدات والإونش والعمالة لفك والتركيب بالموقع ومكان تخزينها والبند شامل مما جميعه طبقا لأصول الصناعة والرسومات والمواصفات وتعليمات المهندس المشرف						٣,٢٥	٣,٢٥	
الاجمالى							٣,٢٥	

اجمالى عائم تنفيذه حتى تاريخه	٣,٢٥
اجمالى الكمية المدرجة بالمستخلص السابق	-
الكمية المدرجة بالمستخلص خلال مدة	٣,٢٥
اجمالى الكمية المدرجة بالمستخلص الحالى	٣,٢٥

عن الشركة — عن الاستشارى — عن الهيئة

وزارة النقل
[illegible]
[illegible]
الطرق والكباري

الهيئة العامة للطرق و الكباري و النقل البري
GARBLT

وزارة النقل
الهيئة العامة للطرق و الكباري
[illegible]

[illegible]

[illegible] A2-1

البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
[illegible]						
[illegible]	م٢	4	0.0464		1	0.1856
[illegible]	م٢	2	3.55	0.55	1	3.907
[illegible]	م٢	2	1.7	4.6	1	7.54
[illegible]	م٢	-1	0.5	0.60	1	-0.30
[illegible]	م٢	-4	3.1	3.1	1	-0.08
[illegible]						2.5009
[illegible]	[illegible]	2.5406	[illegible]	5.1	الاجمالي	0.262944

[illegible] A0-3

البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
[illegible]						
[illegible]	م٢	4	0.0464		1	0.1856
[illegible]	م٢	2	3.55	4.55	1	3.900
[illegible]	م٢	2	1.1	4.6	1	2.56
[illegible]	م٢	1	0.8	0.5	1	-0.30
[illegible]	م٢	-4	0.7	0.1	1	-0.08
[illegible]						2.2000
[illegible]	[illegible]	2.5000	[illegible]	0.09	الاجمالي	0.2247164

[illegible] A-1

البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
[illegible]						
[illegible]	م٢	4	0.0464		1	0.1856
[illegible]	م٢	2	3.55	0.55	1	3.877
[illegible]	م٢	2	1.1	2.8	1	7.54
[illegible]	م٢	-1	0.6	0.8	1	-0.30
[illegible]	م٢	-4	0.1	2.1	1	-0.08
[illegible]						2.5536
[illegible]	[illegible]	2.5898	[illegible]	0.179	الاجمالي	0.4237856

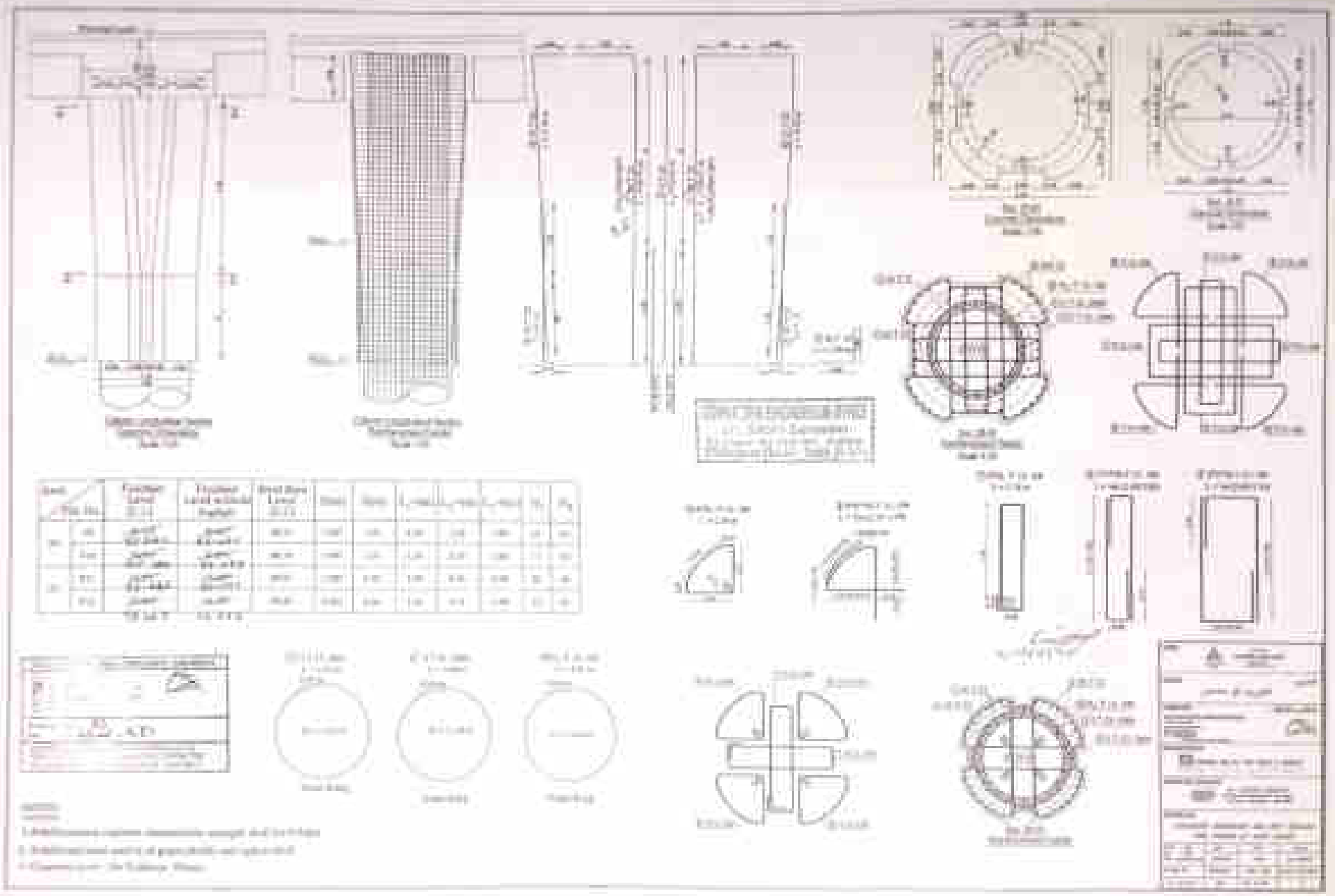
[illegible] A-2

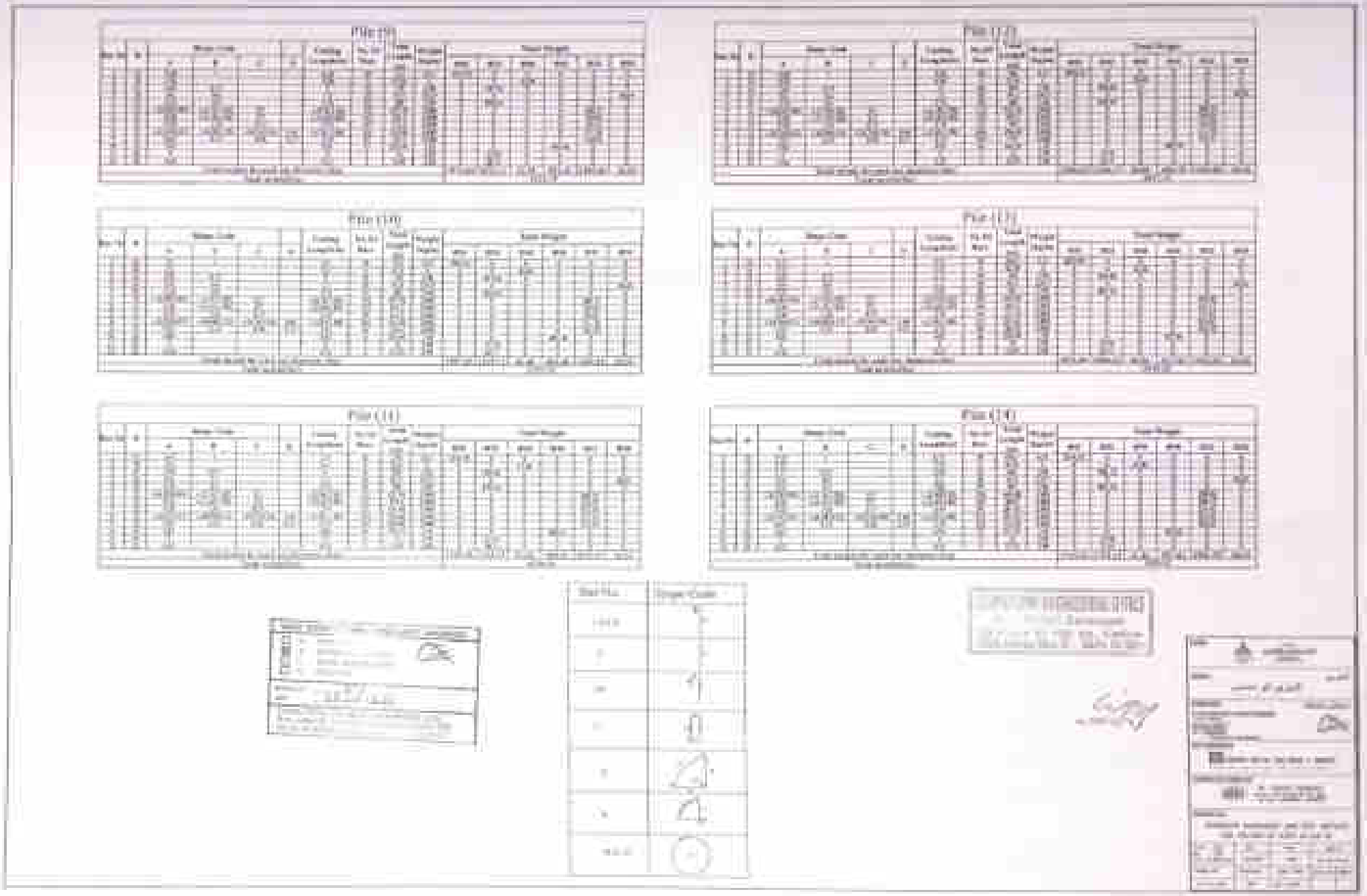
البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
[illegible]						
[illegible]	[illegible]	4	0.0464		1	0.1856
[illegible]	[illegible]	2	3.55	0.55	1	3.900
[illegible]	[illegible]	2	1.1	2.5	1	7.54
[illegible]	[illegible]	-1	0.5	0.5	1	-0.30
[illegible]	[illegible]	-4	0.1	2.1	1	-0.08
[illegible]						2.7000
[illegible]	[illegible]	2.5000	[illegible]	3.19	[illegible]	0.338894

عن الشركة

عن الاستشاري

عن الهيئة





الهيئة العامة
للطرق و الكباري و النقل البري
(GARBLTS)

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري لمنطقة شمال مصر

إعلان مناقصة الهيئة العامة للطرق و الكباري

وزارة النقل
الشركة القابضة لمشروعات
الطرق و الكباري و النقل البري (ج . م . ع)
الشركة المصرية للطرق والكباري
ش . م . م

استمارة بيان الأسعار المستخدمة لبنود BR 1

البند	الوحدة	الكمية	السعر	الإجمالي
بيان الأعمال المستخدمة				
البند الأول	م٣	4	0.0858	0.1858
البند الثاني	م٣	2	0.55	0.509
البند الثالث	م٣	2	0.8	2.04
البند الرابع	م٣	1	0.6	0.36
البند الخامس	م٣	4	0.2	0.08
إجمالي بيان الأعمال المستخدمة				2.5008
سعر البند المستخدم	سبعة أجنيه	2.5008	ر . و	0.1667488

استمارة بيان الأسعار المستخدمة لبنود BR 2

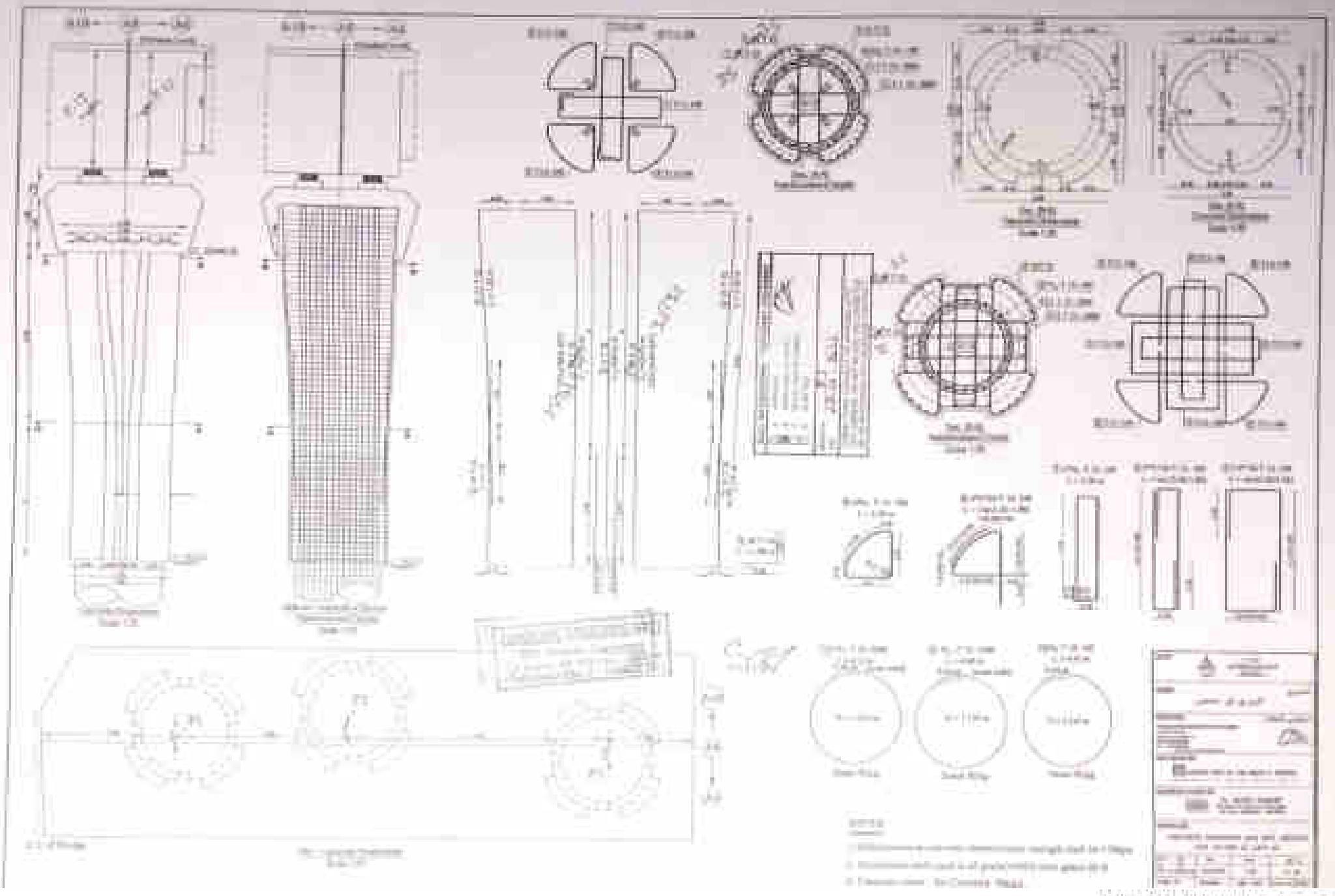
البند	الوحدة	الكمية	السعر	الإجمالي
بيان الأعمال المستخدمة				
البند الأول	م٣	4	0.0858	0.1858
البند الثاني	م٣	2	0.55	0.509
البند الثالث	م٣	2	0.8	2.04
البند الرابع	م٣	1	0.6	0.36
البند الخامس	م٣	4	0.2	0.08
إجمالي بيان الأعمال المستخدمة				2.5008
سعر البند المستخدم	سبعة أجنيه	2.5008	ر . و	0.1667488

استمارة بيان الأسعار المستخدمة لبنود BR 3

البند	الوحدة	الكمية	السعر	الإجمالي
بيان الأعمال المستخدمة				
البند الأول	م٣	4	0.0858	0.1858
البند الثاني	م٣	2	0.55	0.509
البند الثالث	م٣	2	0.8	2.04
البند الرابع	م٣	1	0.6	0.36
البند الخامس	م٣	4	0.2	0.08
إجمالي بيان الأعمال المستخدمة				2.5008
سعر البند المستخدم	سبعة أجنيه	2.5008	ر . و	0.1667488

استمارة بيان الأسعار المستخدمة لبنود BR 4

البند	الوحدة	الكمية	السعر	الإجمالي
بيان الأعمال المستخدمة				
البند الأول	م٣	4	0.0858	0.1858
البند الثاني	م٣	2	0.55	0.509
البند الثالث	م٣	2	0.8	2.04
البند الرابع	م٣	1	0.6	0.36
البند الخامس	م٣	4	0.2	0.08
إجمالي بيان الأعمال المستخدمة				2.5008
سعر البند المستخدم	سبعة أجنيه	2.5008	ر . و	0.1667488



Item / Pile No.		Finished Level (F.L.)	Finished Level without Asphalt	Level A	Steel Base Level (S.L.)	X(m)	Y(m)	L_1 =(m)	L_2 =(m)	L_3 =(m)	N_1	N_2	N_3
[illegible]	P1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	P2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	P3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

P (1)

Bar No.	Ø	Shape Code				Cutting Length(mm)	No. Of Bars	Total Length (m)	Weight (kg/m)	Total Weight					
		A	B	C	D					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight for each bar diameter (Kg)										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight(Kg)										[illegible]					

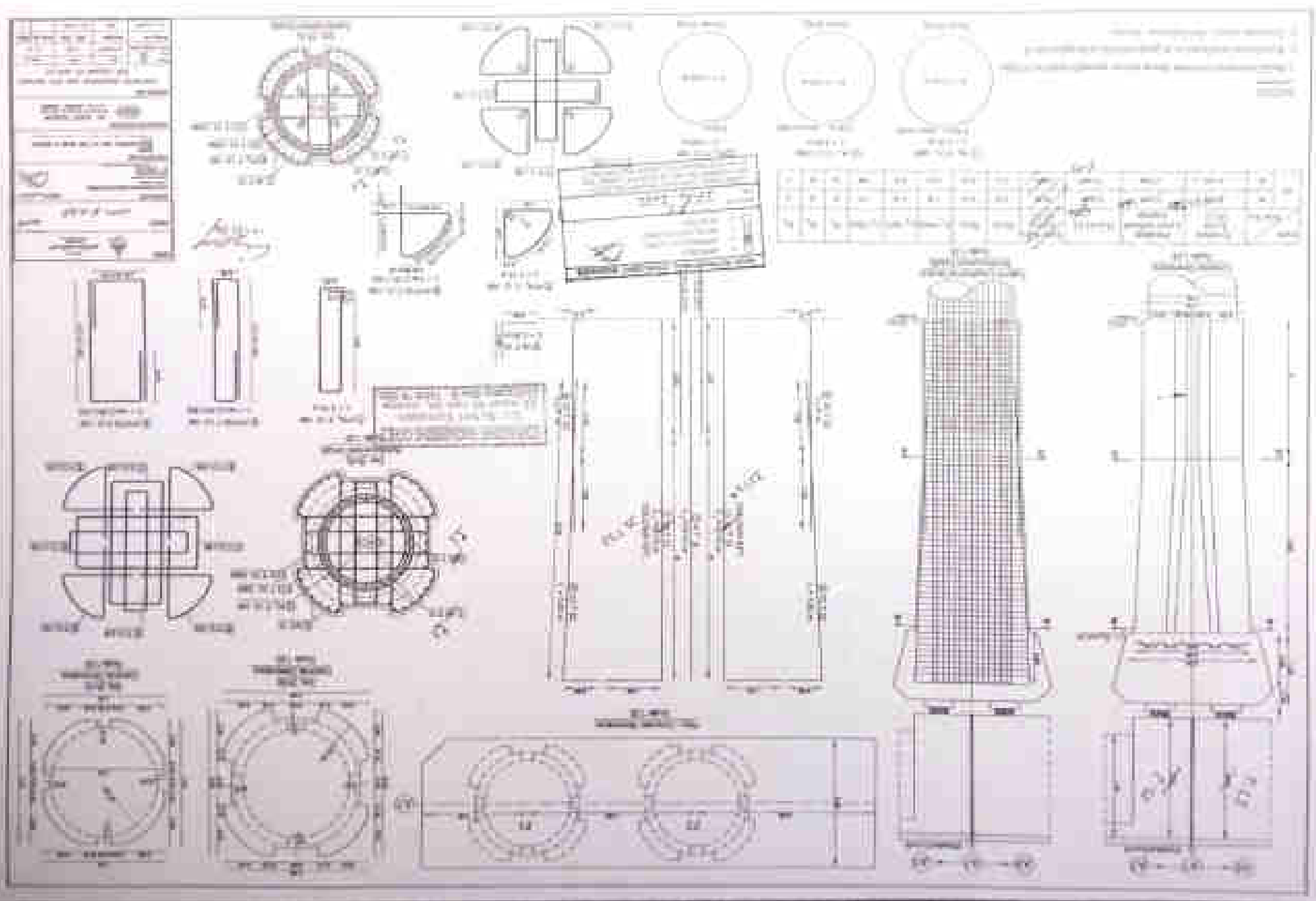
P (2)

Bar No.	Ø	Shape Code				Cutting Length(mm)	No. Of Bars	Total Length (m)	Weight (kg/m)	Total Weight					
		A	B	C	D					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight for each bar diameter (Kg)										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight(Kg)										[illegible]					

P (3)

Bar No.	Ø	Shape Code				Cutting Length(mm)	No. Of Bars	Total Length (m)	Weight (kg/m)	Total Weight					
		A	B	C	D					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight for each bar diameter (Kg)										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight(Kg)										[illegible]					

Bar No.	Shape Code
1,2,3,4	
5	
5,6	
7	
8	
9	
10,11,12	

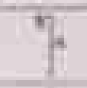


P (1)

Bar No.	Ø	Shape Code				Cutting Length(m)	No Of Bars	Total Length (m)	Weight (kg/m)	Total Weight					
		A	B	C	D					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight for each bar diameter (kg)										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight(kg)										[illegible]					

P (2)

Bar No.	Ø	Shape Code				Cutting Length(m)	No Of Bars	Total Length (m)	Weight (kg/m)	Total Weight					
		A	B	C	D					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight for each bar diameter (kg)										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight(kg)										[illegible]					

Bar No.	Shape Code
[illegible]	
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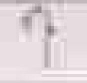
[illegible]	
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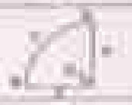
[illegible]	
[illegible]	
[illegible]	

الشركة العامة
للطرق و الكباري و النقل البري
(GARBELT)

وزارة النقل
الشركة العامة للطرق و الجسور
الهيئة العامة للطرق و الجسور

مكتب الطرق والكباري
الهيئة العامة للطرق و الجسور

استخراج معدل الحركة اليومية المتوسطة لعام 2012 م

البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
معدل الحركة المستقبلية						
الحركة الاتجاه ١	م٢	4	0.5454		1	0.1856
الحركة الاتجاه ٢	م٢	2	0.55	0.55	1	0.605
الحركة الاتجاه ٣	م٢	2	0.6	1.7	1	2.04
الحركة الاتجاه ٤	م٢	-3	0.6	-0.5	1	-0.36
الحركة الاتجاه ٥	م٢	-4	0.2	0.1	1	-0.08
اجمالي حركة المقطع الحركة المستقبلية						2.3006
معدل الحركة المستقبلية	نسبة المقطع	2.3006	الارتفاع	0.05	الاجمالي	0.191388

استخراج معدل الحركة اليومية المتوسطة لعام 2013 م

البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
معدل الحركة المستقبلية						
الحركة الاتجاه ١	م٢	-4	0.5454		1	0.1856
الحركة الاتجاه ٢	م٢	2	0.55	0.55	1	0.605
الحركة الاتجاه ٣	م٢	2	0.6	1.7	1	2.04
الحركة الاتجاه ٤	م٢	-2	0.6	-0.5	1	-0.30
الحركة الاتجاه ٥	م٢	-4	0.2	0.1	1	-0.08
اجمالي حركة المقطع الحركة المستقبلية						2.3006
معدل الحركة المستقبلية	نسبة المقطع	2.3006	الارتفاع	0.15	الاجمالي	0.574604

استخراج معدل الحركة اليومية المتوسطة لعام 2014 م

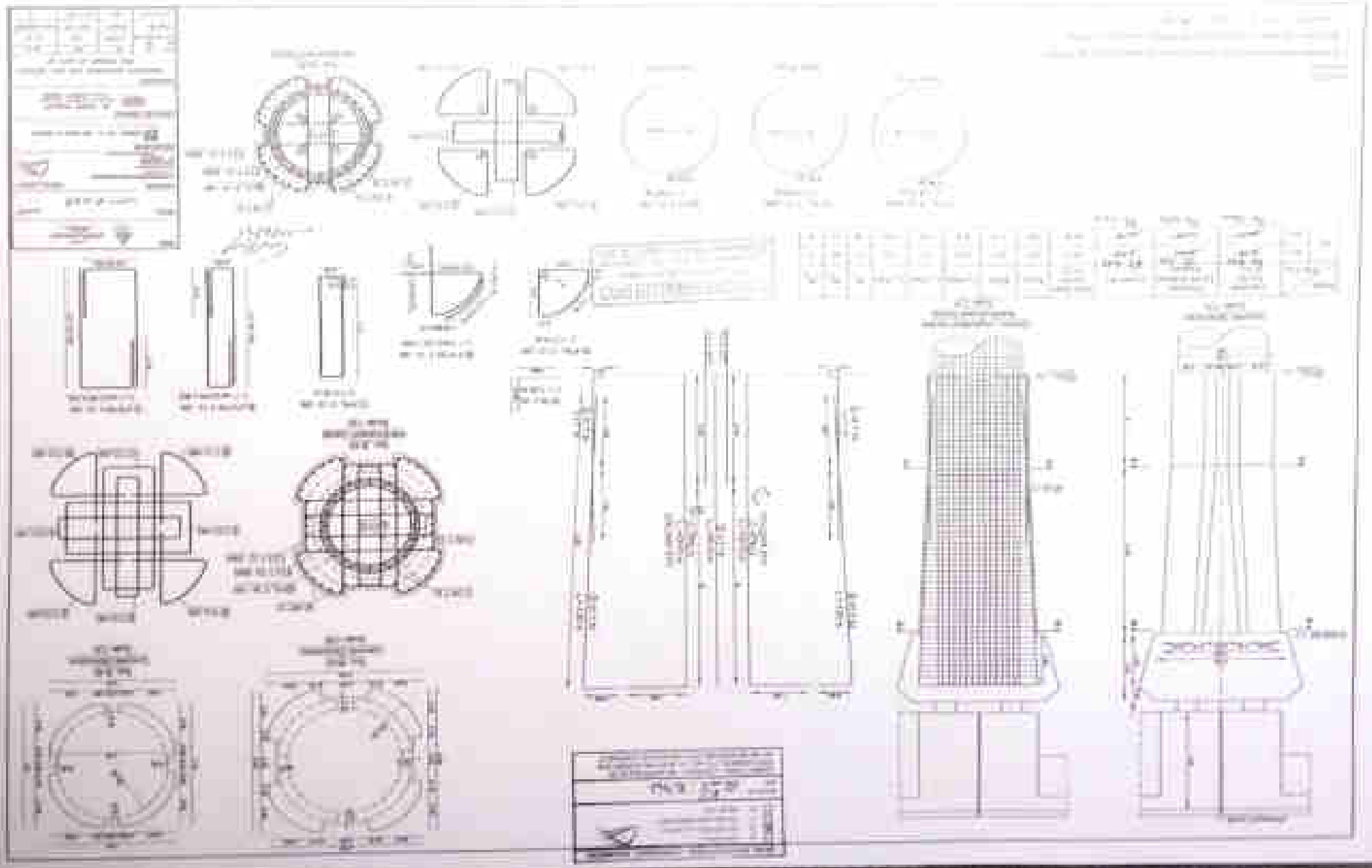
البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
معدل الحركة المستقبلية						
الحركة الاتجاه ١	م٢	4	0.5454		1	0.1856
الحركة الاتجاه ٢	م٢	2	0.55	0.55	1	0.605
الحركة الاتجاه ٣	م٢	2	0.6	1.7	1	2.04
الحركة الاتجاه ٤	م٢	-3	0.6	-0.5	1	-0.36
الحركة الاتجاه ٥	م٢	-4	0.2	0.1	1	-0.08
اجمالي حركة المقطع الحركة المستقبلية						2.3006
معدل الحركة المستقبلية	نسبة المقطع	2.3006	الارتفاع	0.05	الاجمالي	0.109878

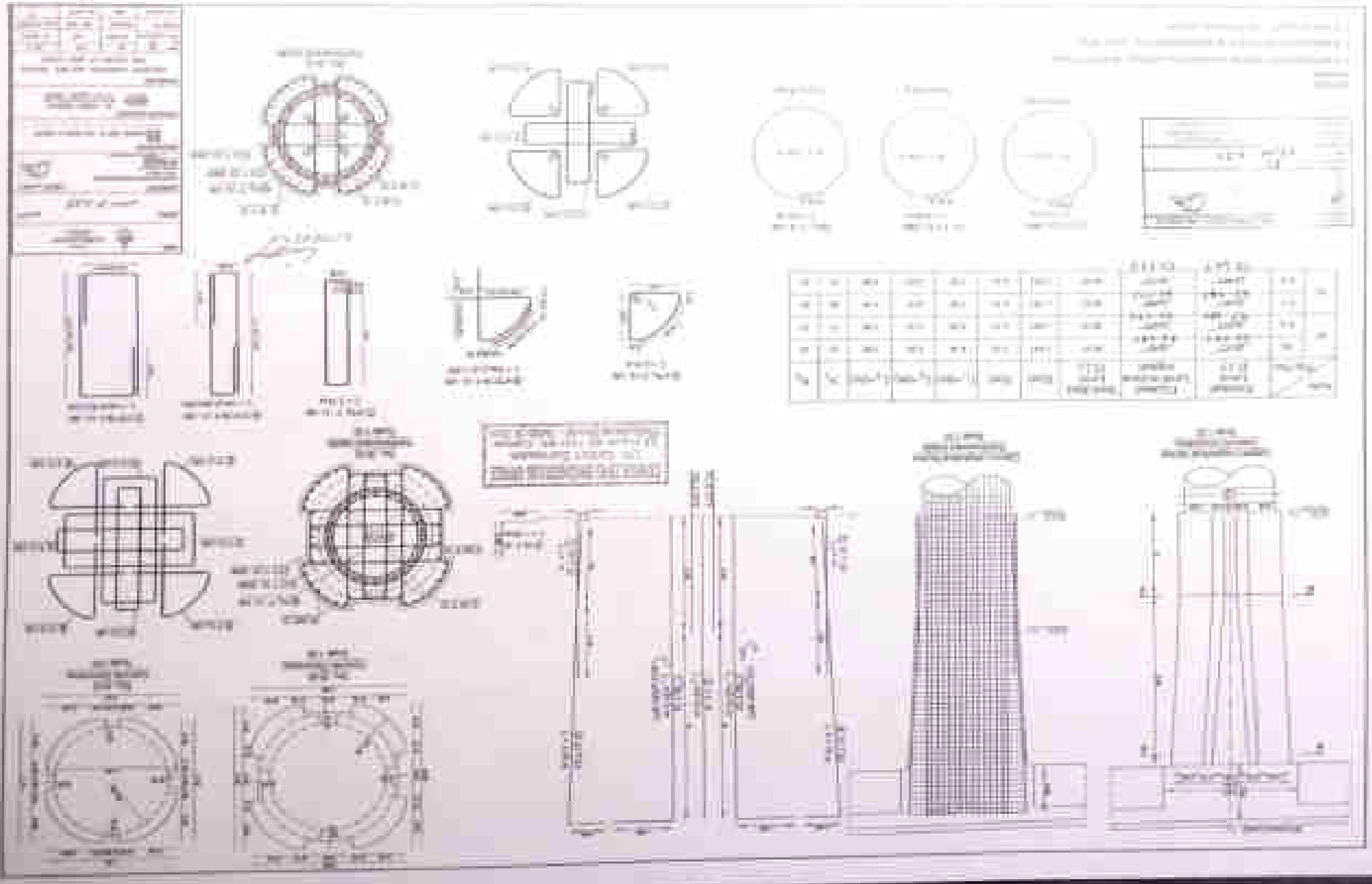
استخراج معدل الحركة اليومية المتوسطة لعام 2015 م

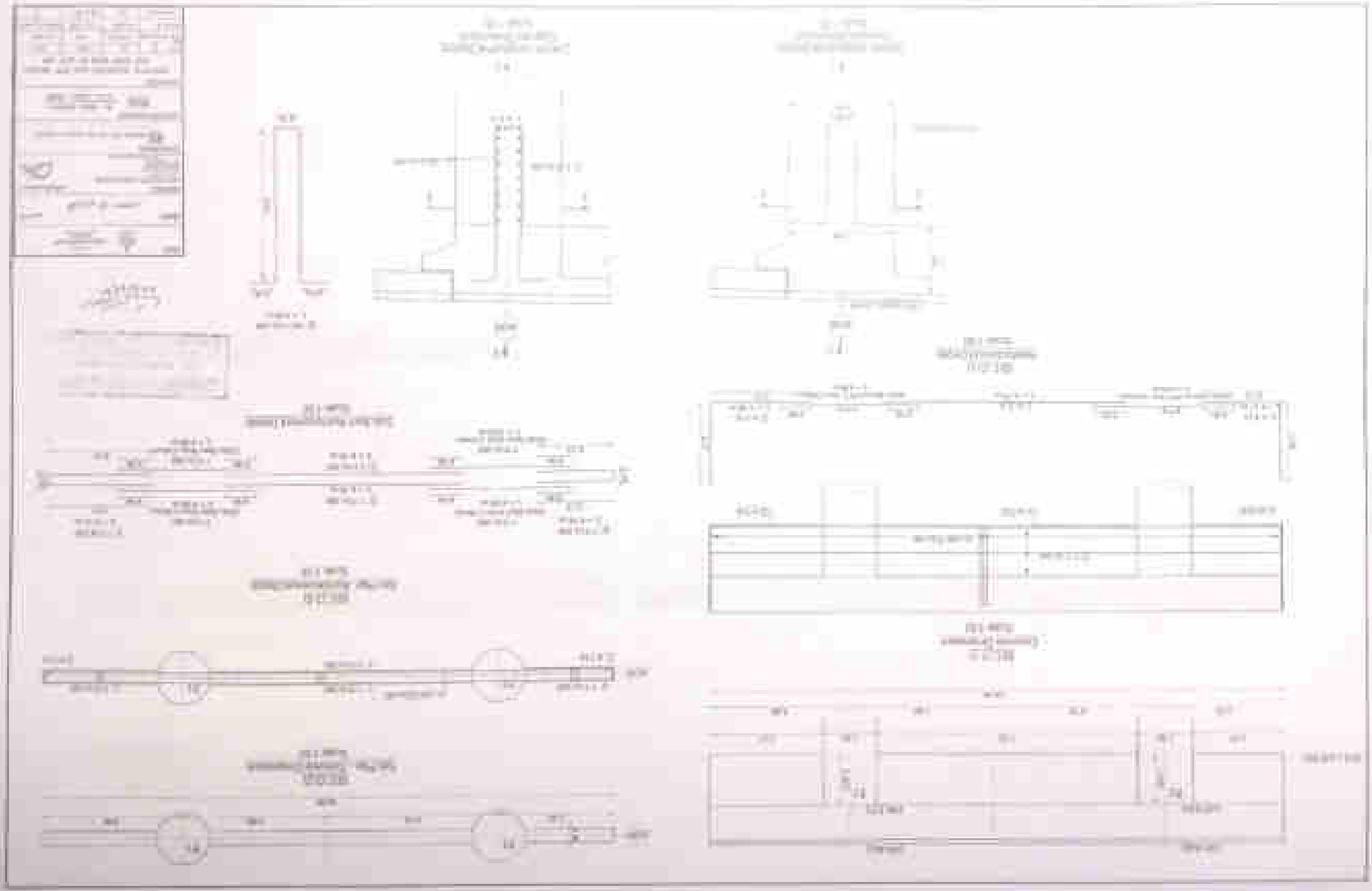
البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
معدل الحركة المستقبلية						
الحركة الاتجاه ١	م٢	4	0.5454		1	0.1856
الحركة الاتجاه ٢	م٢	2	0.55	0.55	1	0.605
الحركة الاتجاه ٣	م٢	2	0.6	1.7	1	2.04
الحركة الاتجاه ٤	م٢	-3	0.6	-0.5	1	-0.36
الحركة الاتجاه ٥	م٢	-4	0.2	0.1	1	-0.08
اجمالي حركة المقطع الحركة المستقبلية						2.3006
معدل الحركة المستقبلية	نسبة المقطع	2.3006	الارتفاع	0.15	الاجمالي	0.3451209

مدير المكتب

مدير الهندسة







الهيئة العامة
للطرق و الكباري و النقل البري
ROADBELTS

وزارة النقل
الشركة القابضة للمشاريع
الطرق و الكباري و النقل البري (أ.م.م.ع)
الطرق والكباري
ش.م.م

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري لمنطقة شمال مصر

تقرير زيارة التيار العامة للطرق والكباري

استمارة فحص الرصيدة المنتهية لعمود A10.1

البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
فحص الرصيدة المنتهية						
الرصيدة الكباري ١	م٢	4	0.0454		1	0.1816
الرصيدة الكباري ٢	م٢	2	0.55	0.55	1	0.605
الرصيدة الكباري ٣	م٢	2	1.7	0.6	1	2.04
الرصيدة الكباري ٤	م٢	1	0.6	0.6	1	0.36
الرصيدة الكباري ٥	م٢	-4	0.1	0.2	1	-0.08
اجمالي مساحة مقطع الرصيدة المنتهية						2.3906
حجم الرصيدة المنتهية	مساحة المقطع	2.3906	ك.م	0.04	الاجمالي	0.095624

استمارة فحص الرصيدة المنتهية لعمود A10.2

البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
فحص الرصيدة المنتهية						
الرصيدة الكباري ١	م٢	4	0.0454		1	0.1816
الرصيدة الكباري ٢	م٢	2	0.55	0.55	1	0.605
الرصيدة الكباري ٣	م٢	2	1.7	0.6	1	2.04
الرصيدة الكباري ٤	م٢	1	0.6	0.6	1	0.36
الرصيدة الكباري ٥	م٢	-4	0.1	0.2	1	-0.08
اجمالي مساحة مقطع الرصيدة المنتهية						2.3906
حجم الرصيدة المنتهية	مساحة المقطع	2.3906	ك.م	0.04	الاجمالي	0.095624

استمارة فحص الرصيدة المنتهية لعمود A9.1

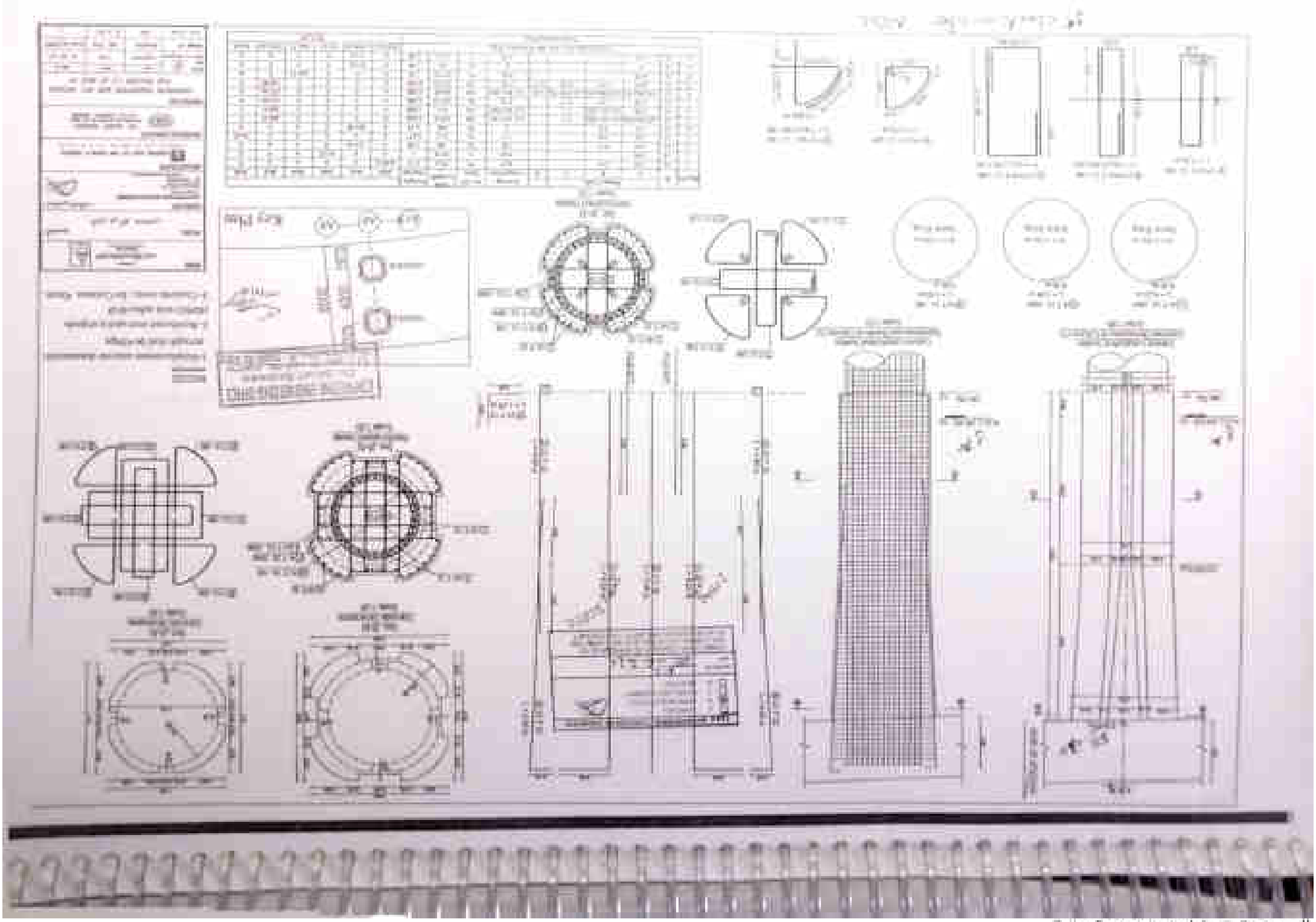
البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
فحص الرصيدة المنتهية						
الرصيدة الكباري ١	م٢	4	0.0454		1	0.1816
الرصيدة الكباري ٢	م٢	2	0.55	0.55	1	0.605
الرصيدة الكباري ٣	م٢	2	1.7	0.6	1	2.04
الرصيدة الكباري ٤	م٢	1	0.6	0.6	1	0.36
الرصيدة الكباري ٥	م٢	-4	0.1	0.2	1	-0.08
اجمالي مساحة مقطع الرصيدة المنتهية						2.3906
حجم الرصيدة المنتهية	مساحة المقطع	2.3906	ك.م	0.04	الاجمالي	0.095624

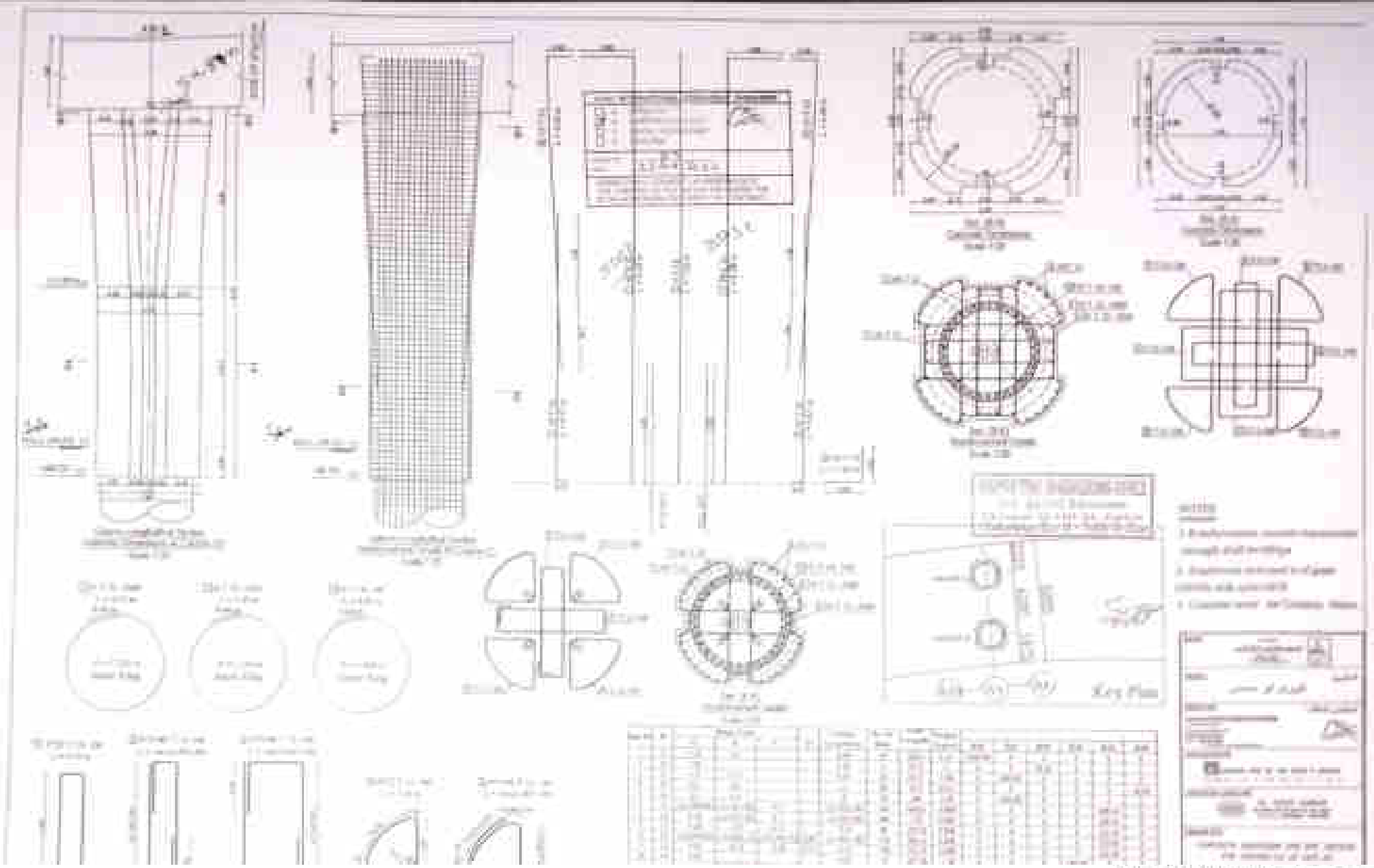
استمارة فحص الرصيدة المنتهية لعمود A9.2

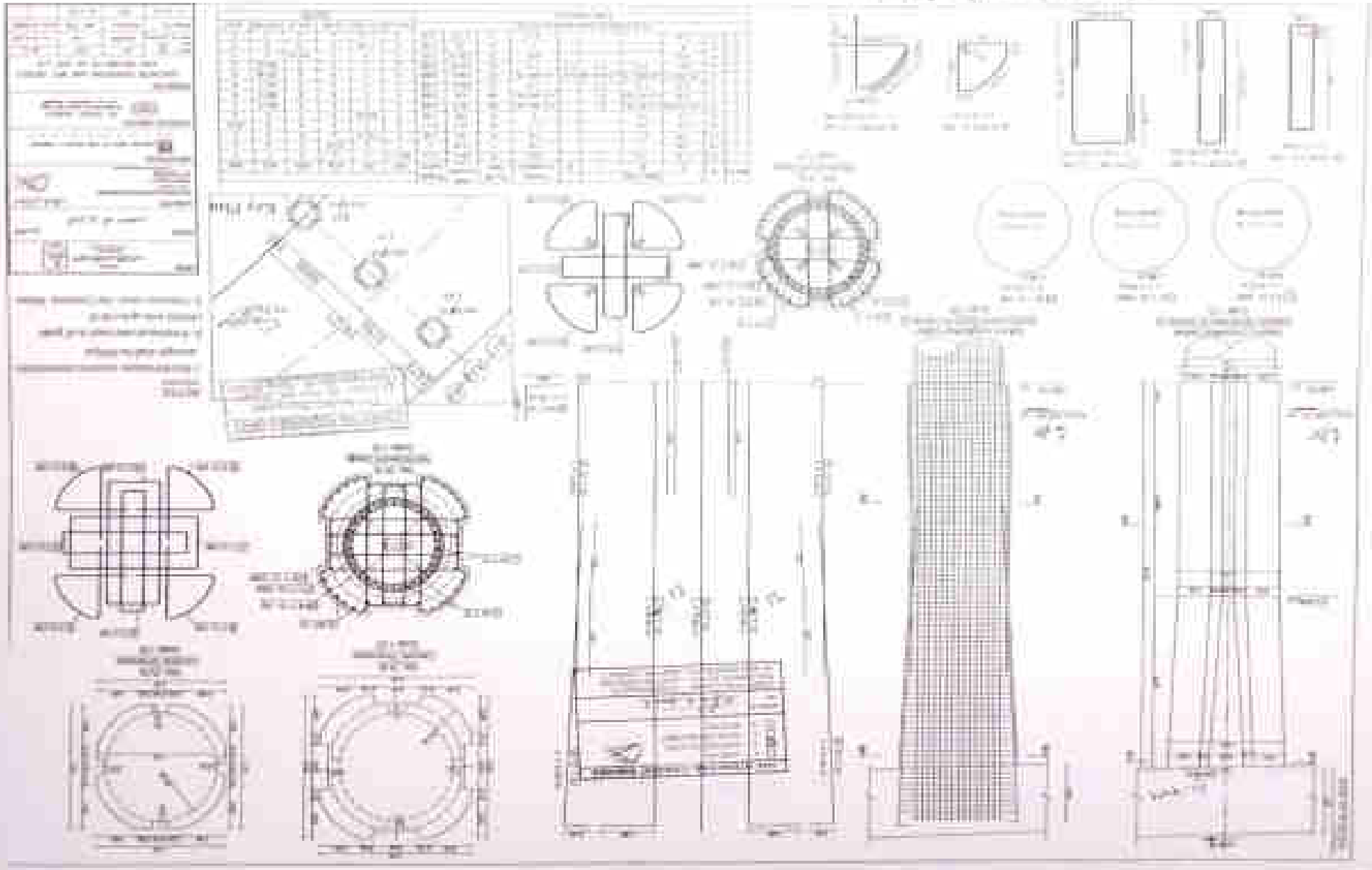
البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
فحص الرصيدة المنتهية						
الرصيدة الكباري ١	م٢	4	0.0454		1	0.1816
الرصيدة الكباري ٢	م٢	2	0.55	0.55	1	0.605
الرصيدة الكباري ٣	م٢	2	1.7	0.6	1	2.04
الرصيدة الكباري ٤	م٢	1	0.6	0.6	1	0.36
الرصيدة الكباري ٥	م٢	-4	0.1	0.2	1	-0.08
اجمالي مساحة مقطع الرصيدة المنتهية						2.3906
حجم الرصيدة المنتهية	مساحة المقطع	2.3906	ك.م	0.04	الاجمالي	0.095624

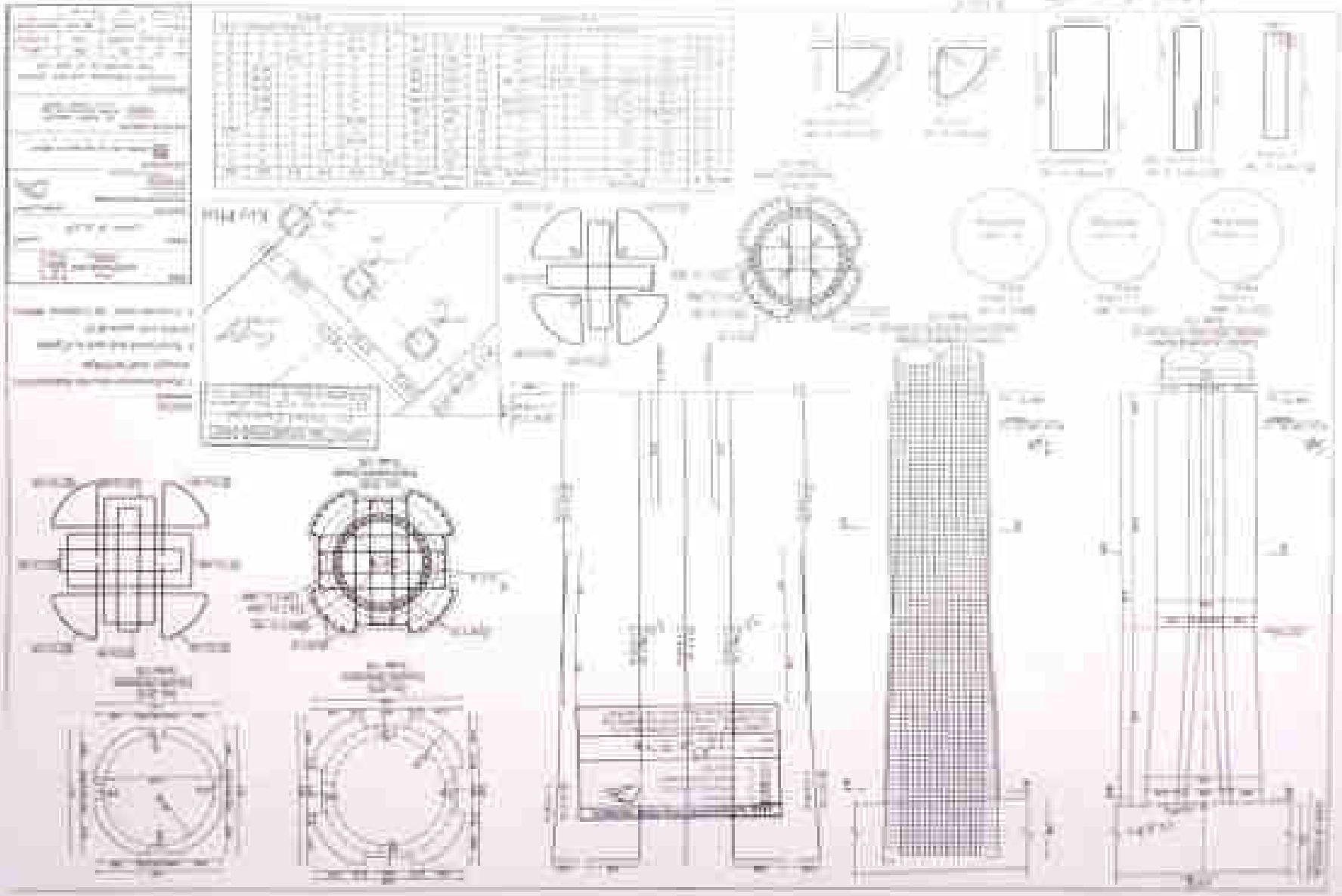
مراقب الخرسانة

مراقب الهندسة









Bar No.	Shape Code
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

NOTES

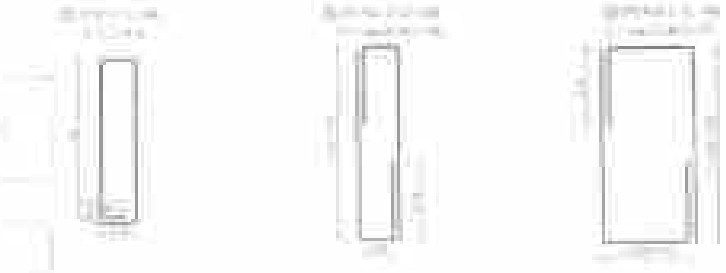
1-Reinforcement carries characteristic strength shall be 5 N/mm²

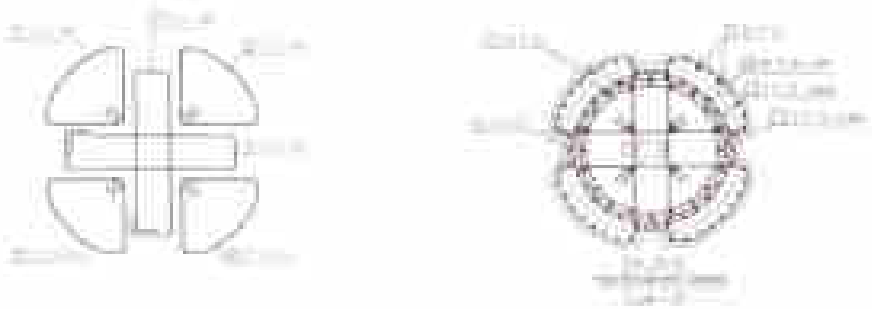
2- Reinforced steel work is of grade 60/40 with yield 40 N/mm²

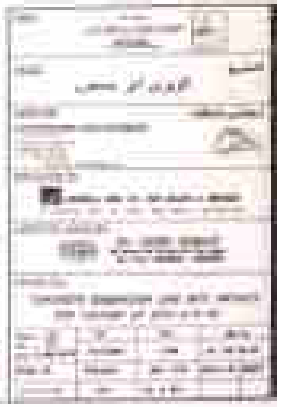
3- Concrete cover : for Columns 40mm

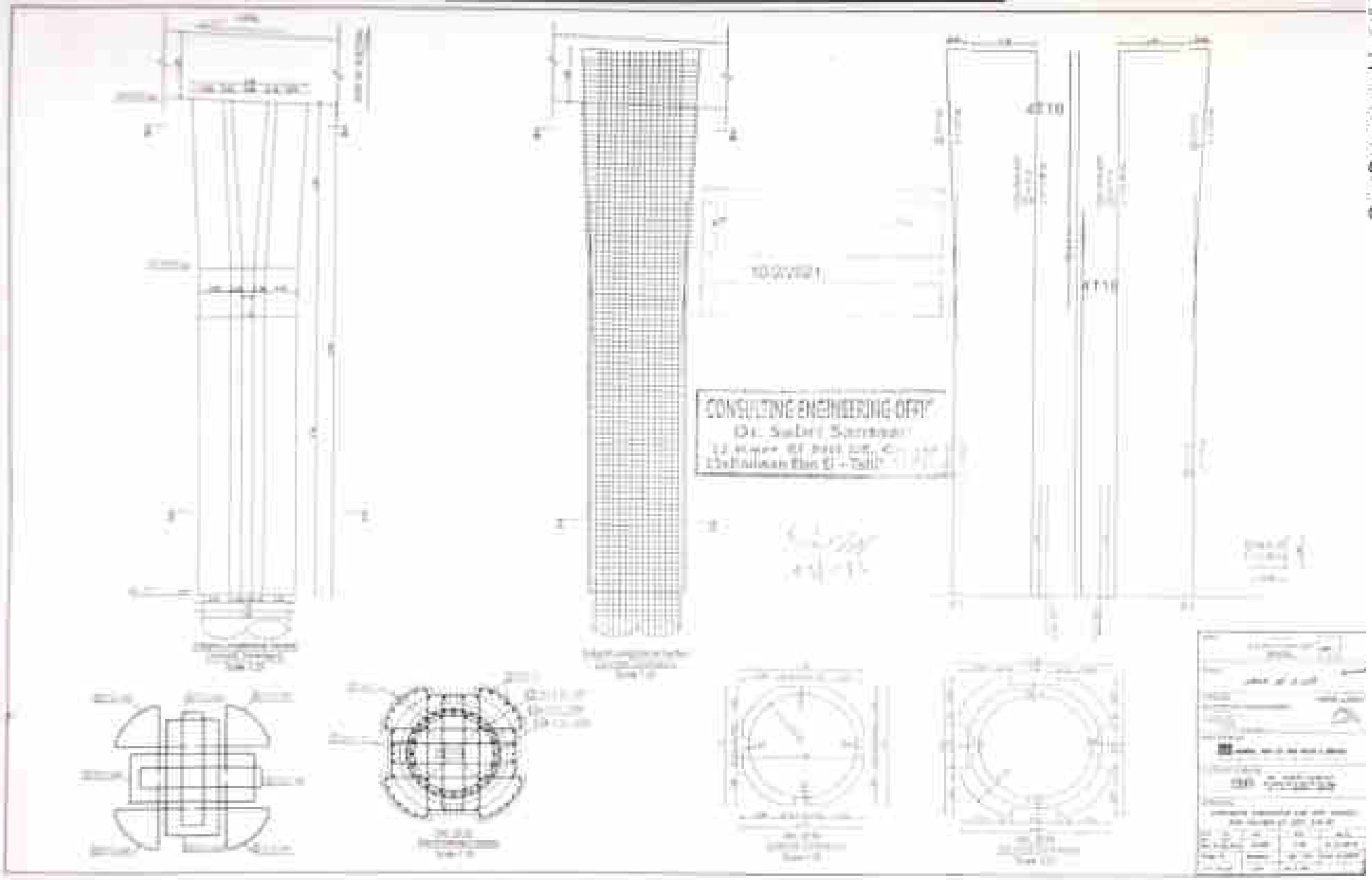
Bar No.	Shape Code	Cutting Length (mm)	No. Of Bars	Total Length (m)	Weight (kg/m)
1	32	[illegible]	10	[illegible]	[illegible]
2	46	[illegible]	9	[illegible]	[illegible]
3	21	[illegible]	[illegible]	[illegible]	[illegible]
4	21	[illegible]	[illegible]	[illegible]	[illegible]
5	21	[illegible]	[illegible]	[illegible]	[illegible]
6	21	[illegible]	[illegible]	[illegible]	[illegible]
7	21	[illegible]	[illegible]	[illegible]	[illegible]
8	21	[illegible]	[illegible]	[illegible]	[illegible]
9	21	[illegible]	[illegible]	[illegible]	[illegible]
10	21	[illegible]	[illegible]	[illegible]	[illegible]
11	21	[illegible]	[illegible]	[illegible]	[illegible]
12	21	[illegible]	[illegible]	[illegible]	[illegible]
Total length for each bar diameter (m)				[illegible]	[illegible]
Total weight (kg)				[illegible]	[illegible]

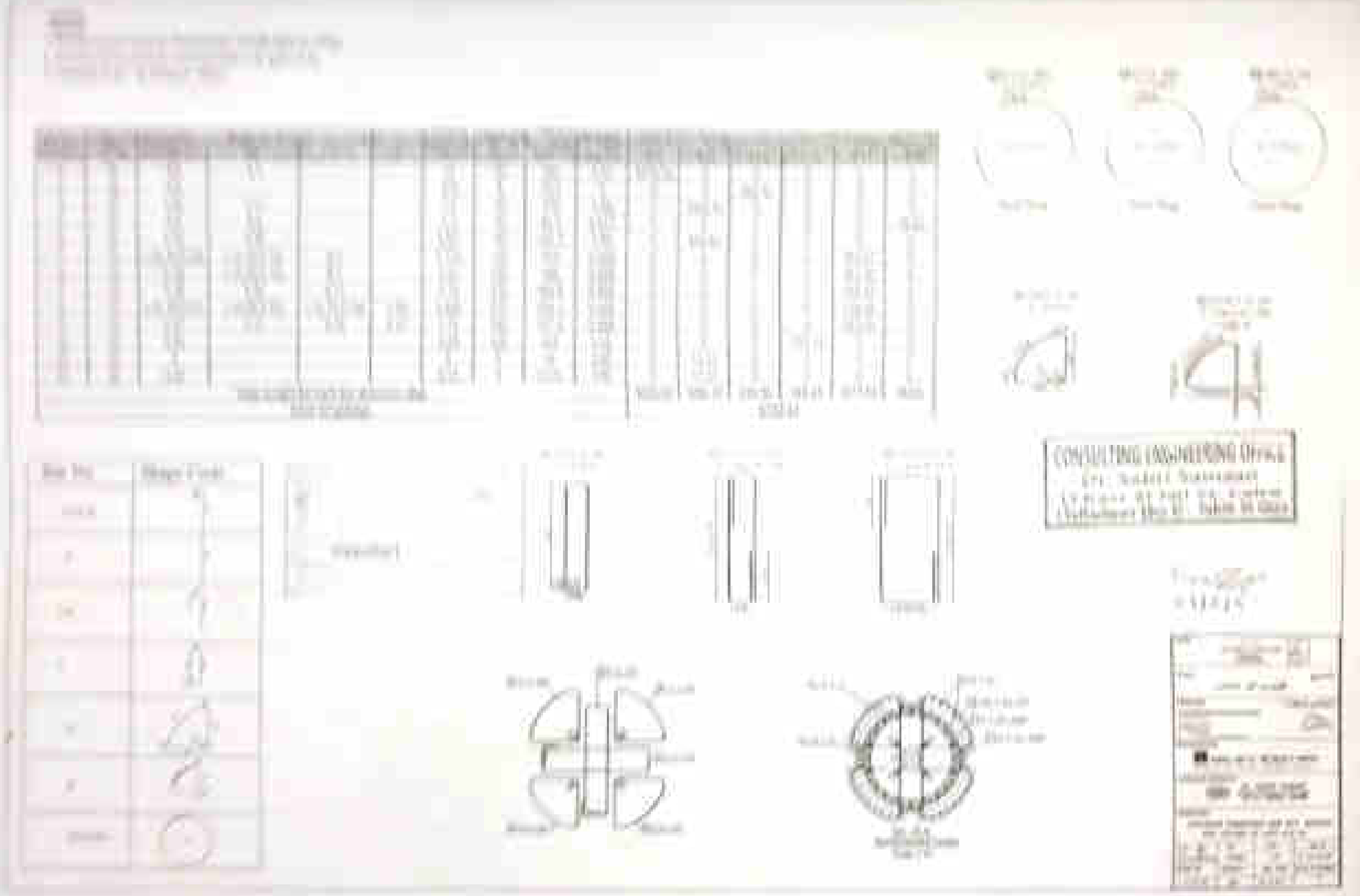
Bar No.	Shape Code
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

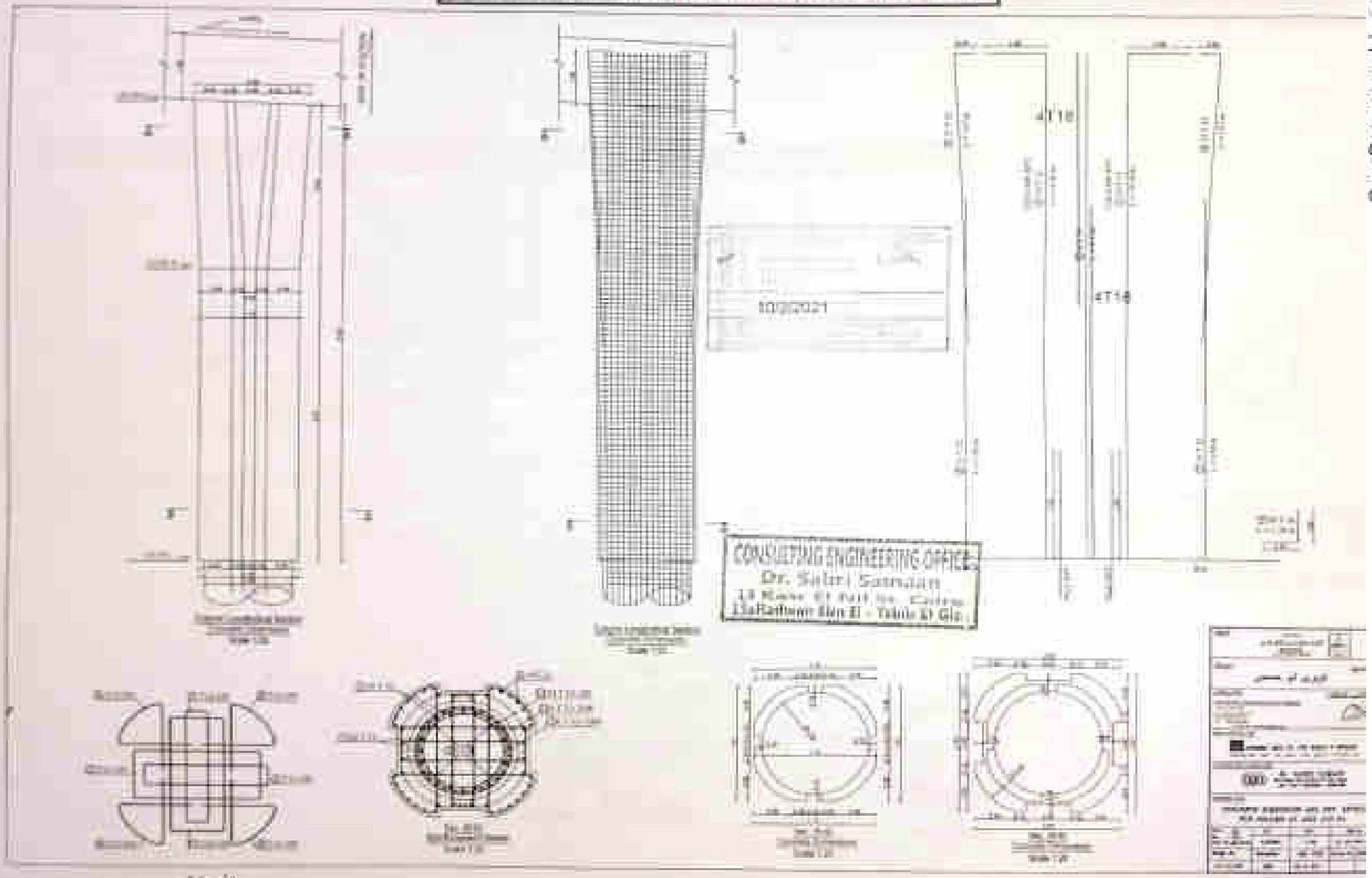








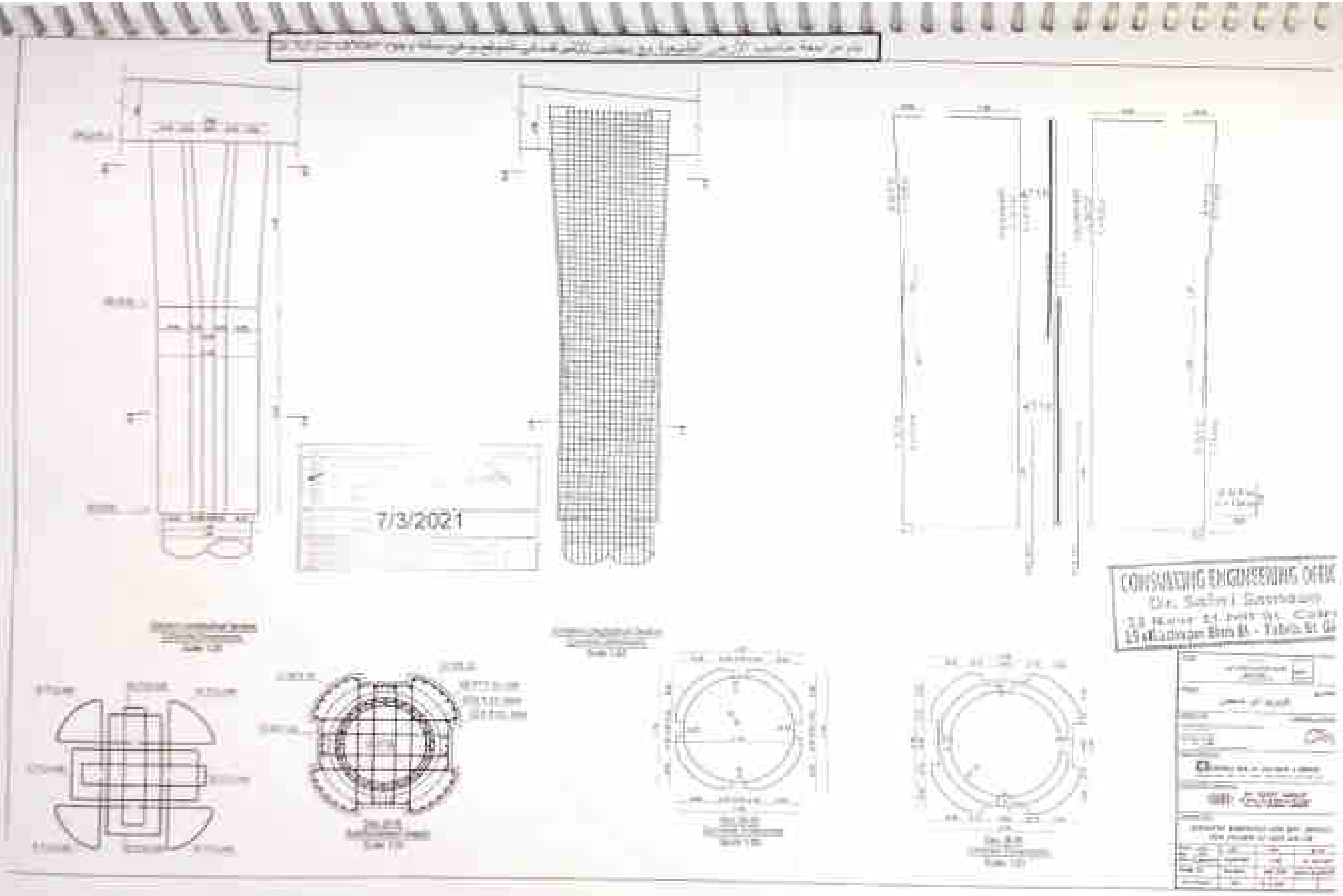




[illegible]

[illegible]

[illegible]

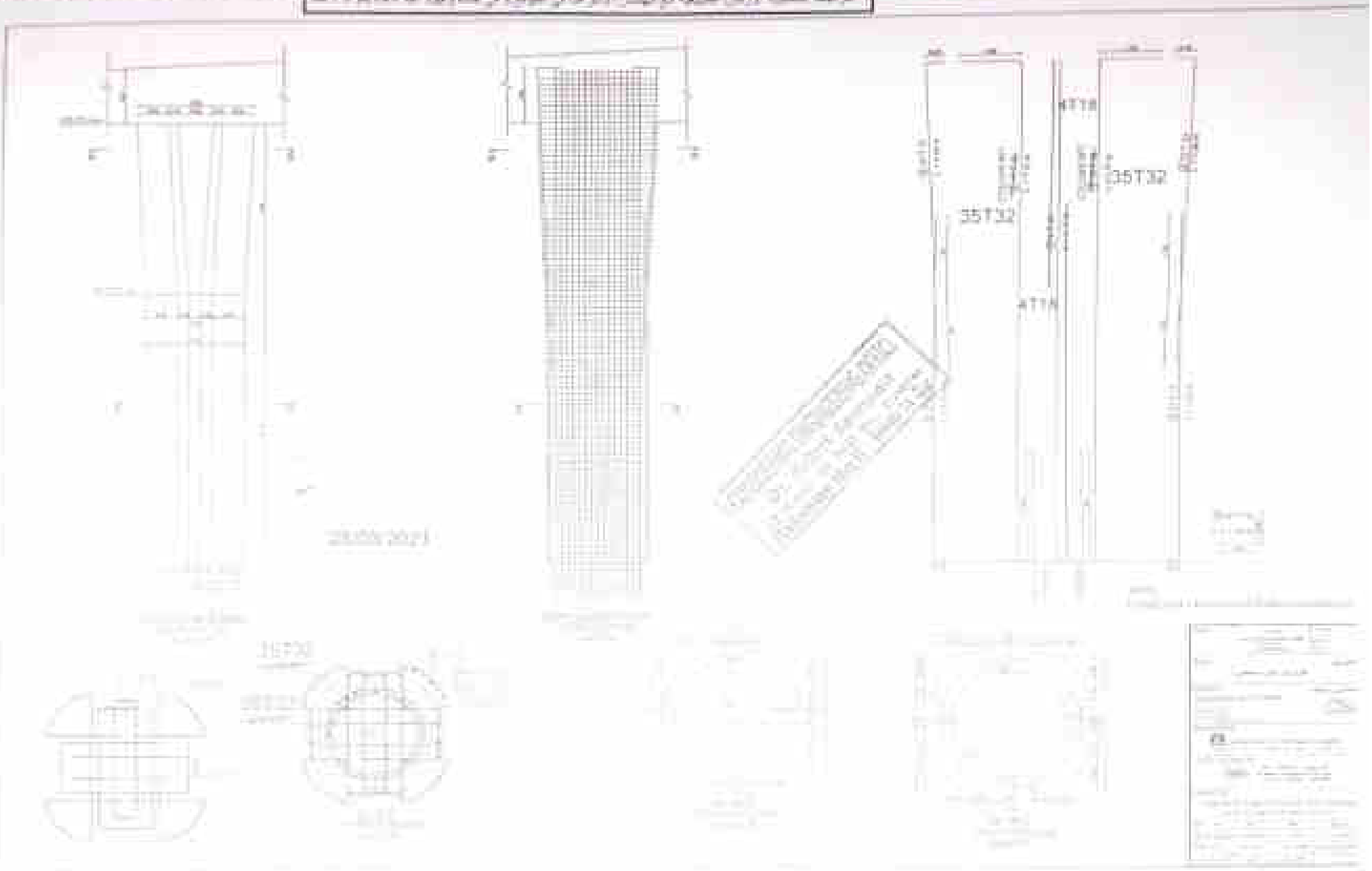


UPDATE TABLES

Bar No.	Shape Code
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

7/3/2021

CONSULTING ENGINEERING OFFICE
Dr. Sabri Sarraan
[illegible]



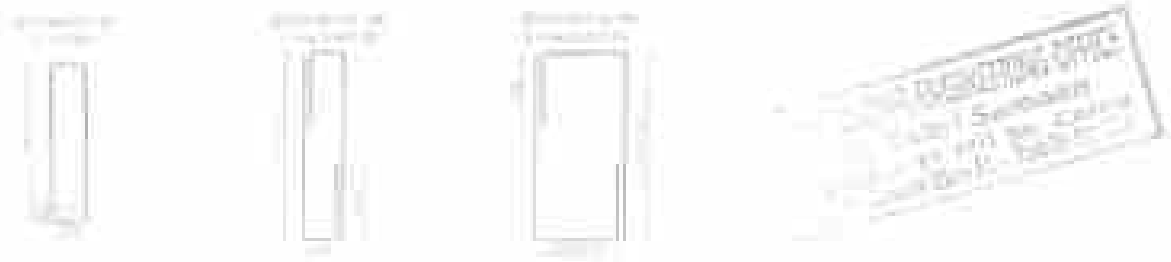
NOTES

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]

Bar No.	Nos.	Shape Code				Cutting Length (m)	No. of Bars	Total Length (m)	Weight (kg/m)	[illegible]					
		A	B	C	D										
[illegible]															
Total weight of bars of each diameter (kg)															
Total weight (kg)															

UPDATE TABLES

Bar No.	Shape Code
[illegible]	



Bar No	Φ	Shape Code A	B	C	D	Cutting Length(mm)	No Of Bars	Total Length(mm)	Weight (Kg/m)	Φ17	Φ22	Φ18	Φ28	Φ32	Φ40
1	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	0
2	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	0	0	[illegible]	0	0	0
3	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	0	0	0	0
4	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	0	[illegible]
5	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	0	0	0	0
6	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	[illegible]	0
7	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	[illegible]	0
8	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	[illegible]	0
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	[illegible]	0
10	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	[illegible]	0	0
11	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	0	0	0	0
12	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	0	0	0	0
Total weight for each bar diameter (Kg)										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight (Kg)										[illegible]					

UPDATE TABLE

NOTES

1. Bend/Extended concrete dimensions weight shall be in Kilos
2. Reinforcement steel shall be of grade 60 fyk with tensile strength
3. Concrete cover : 1cm Unless Noted

Bar No	Φ	Shape Code A	B	C	D	Cutting Length(Mm)	No Of Bars	Total Length (m)	Weight (Kg/m)	Φ32	Φ28	Φ20	Φ16	Φ12	Φ10
1	32	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	6.31	[illegible]	0	0	0	0	0
2	28	[illegible]				[illegible]	8	[illegible]	2	0	0	[illegible]	0	0	0
3	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	0	0	0	0
4	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	0	0	0	[illegible]
5	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	0	0	0	0
6	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	[illegible]	0
7	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	[illegible]	0
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	[illegible]	0
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	[illegible]	0
10	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	[illegible]	0	0
11	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	0	0	0	0
12	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	0	0	0	0
Total weight for each bar diameter (kg)										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight (kg)										[illegible]					

UPDATE TABLE

استكمال جدول الخرسانة المستخدمة بعدد 05

البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
جدول أساس و أسطوانة						
أعمدة و أساسات 1	م3	4	0.0464		1	0.1856
أعمدة و أساسات 2	م3	2	0.95	0.95	1	0.903
أعمدة و أساسات 3	م3	2	0.6	1.7	1	2.04
أساسات أعمدة و أساسات 4	م3	-1	0.6	0.6	1	-0.36
بالطبقة أرض	م3	-4	0.3	0.1	1	-0.08
إجمالي مساحة مصبوب أعمدة و أساسات						2.3905
معدل أعمدة و أساسات	مساحة أساسات	2.39	أرتفاع	0.21	الاجمالي	0.5018019

استكمال جدول الخرسانة المستخدمة بعدد 02

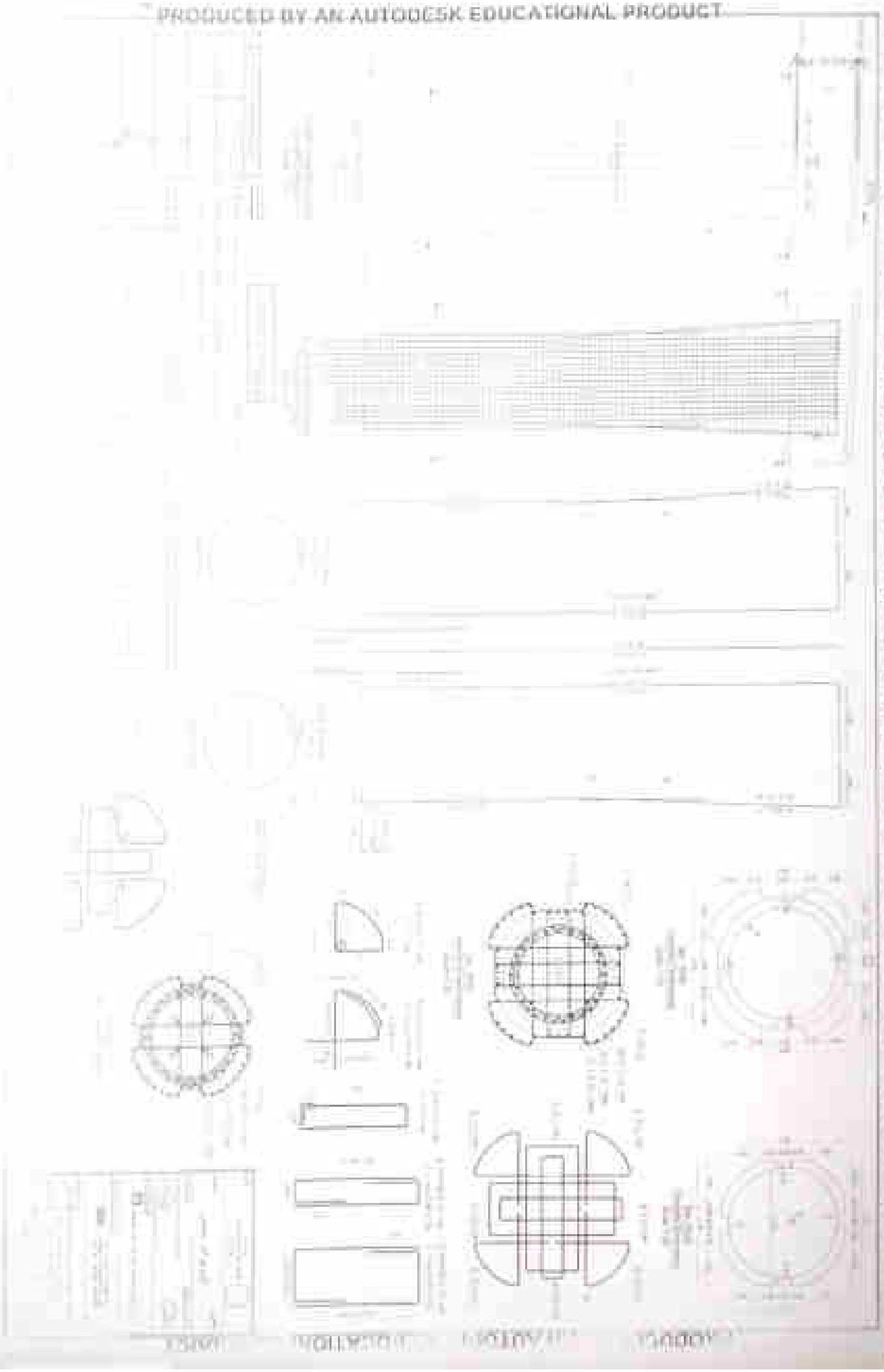
البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
جدول أساس و أسطوانة						
أعمدة و أساسات 1	م3	4	0.0464		1	0.1856
أعمدة و أساسات 2	م3	2	0.55	0.55	1	0.605
أعمدة و أساسات 3	م3	2	0.6	1.7	1	2.04
أساسات أعمدة و أساسات 4	م3	-1	0.6	0.6	1	-0.36
بالطبقة أرض	م3	-4	0.3	0.1	1	-0.08
إجمالي مساحة مصبوب أعمدة و أساسات						2.3905
معدل أعمدة و أساسات	مساحة أساسات	2.39	أرتفاع	0.21	الاجمالي	1.502194

استكمال جدول الخرسانة المستخدمة بعدد (A1\6)

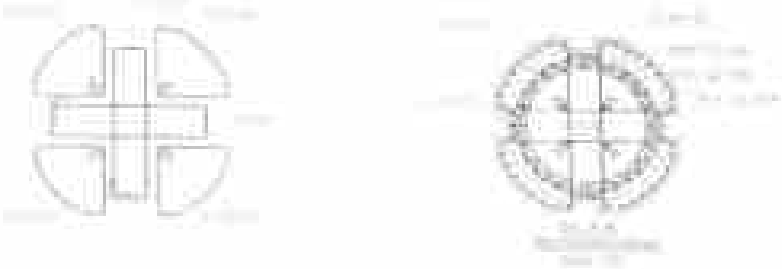
البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
جدول أساس و أسطوانة						
أعمدة و أساسات 1	م3	4	0.0464		1	0.1856
أعمدة و أساسات 2	م3	2	0.55	0.55	1	0.605
أعمدة و أساسات 3	م3	2	0.6	1.7	1	2.04
أساسات أعمدة و أساسات 4	م3	-1	0.6	0.6	1	-0.36
بالطبقة أرض	م3	-4	0.3	0.1	1	-0.08
إجمالي مساحة مصبوب أعمدة و أساسات						2.3905
معدل أعمدة و أساسات	مساحة أساسات	2.39	أرتفاع	0.21	الاجمالي	1.502194

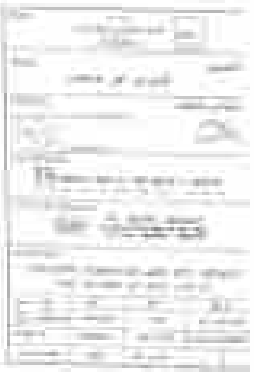
استكمال جدول الخرسانة المستخدمة بعدد (A1\2)

البند	الوحدة	العدد	الطول	العرض	الارتفاع	الاجمالي
جدول أساس و أسطوانة						
أعمدة و أساسات 1	م3	4	0.0464		1	0.1856
أعمدة و أساسات 2	م3	2	0.55	0.55	1	0.605
أعمدة و أساسات 3	م3	2	0.6	1.7	1	2.04
أساسات أعمدة و أساسات 4	م3	-1	0.6	0.6	1	-0.36
بالطبقة أرض	م3	-4	0.3	0.1	1	-0.08
إجمالي مساحة مصبوب أعمدة و أساسات						2.3905
معدل أعمدة و أساسات	مساحة أساسات	2.39	أرتفاع	0.21	الاجمالي	1.502194

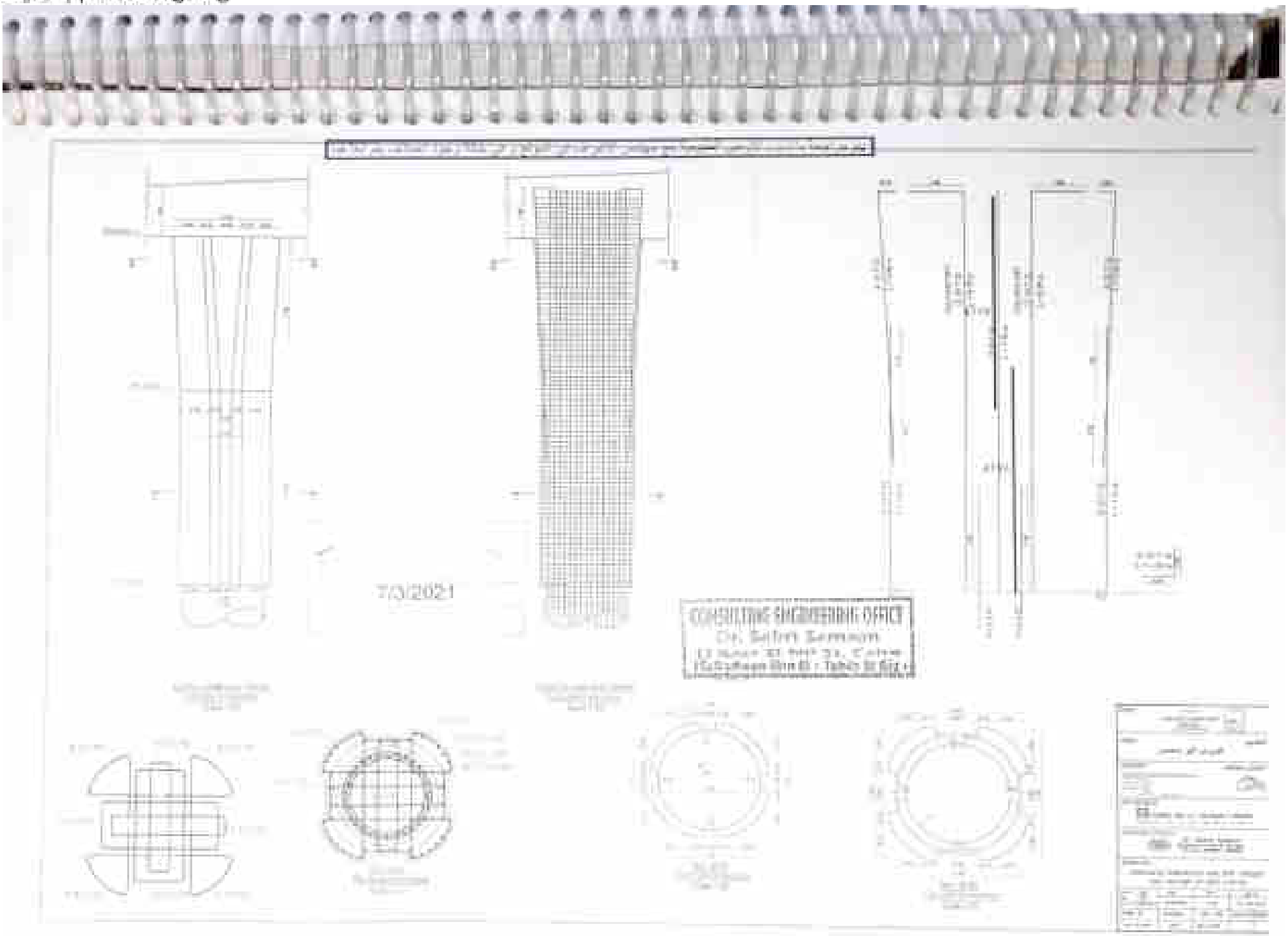


UPDATE TABLES



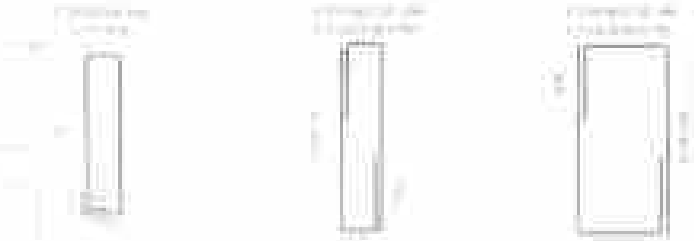


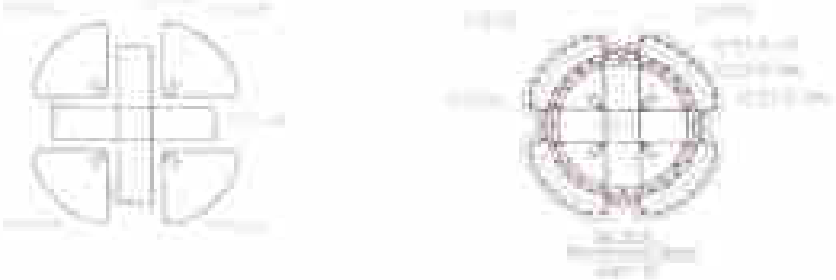
7-3-2021



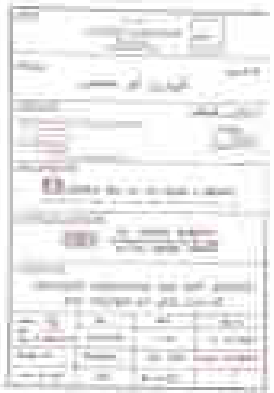
UPDATE TABLES

7/2/2021





CONSULTING ENGINEERING OFFICE
Dr. Saint Samaan
33 Hassan El Ma'mon St. - Cairo
Elsalmiyah Elwa'ra - Tahrir St Giza



الهيئة العامة
للطرق و الكباري و النقل البري
(GAHBLT)

وزارة النقل
الشركة العامة لمشروعات
الطرق و الكباري و النقل البري (ش . م . ع)
شركة المشروعات العامة للطرق والكباري
ش . م . ع

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثانية مصر

الشركة العامة للطرق و الكباري

استكمال مصر الجديدة المستعمة بجهود ADD

البند	نوع	الكمية	سعر الوحدة		نسبة التنفيذ		القيمة
ADD-1	م٢	1.5	1.76825		0.14		0.34125
ADD-2		1.5	1.76825		0.16		0.2529
				الإجمالي			0.520875

عن الشركة

عن الاستشاري

عن الهيئة

وزارة النقل
الهيئة العامة للطرق والكباري
الهيئة العامة للطرق والكباري المنطقة الثانية مصر

بيان الأعمال بالمستخلص رقم (١٦) جاري

عملية : إنشاء كوبري مزلقان أبو حمص العلوي

رقم البند وبيانه (١٦)	الأعمال المكلف بتوريدها وتنفيذها خرسانة عادية للأساسات والبلاطات الخرسانية مع مستلزمات [illegible] طبقا للرسومات [illegible]

تنفيذ شركة : [illegible] العامة للطرق والكباري

الكمية بالمخططات المعتمدة [illegible]	[illegible]		
بيان الأعمال بالمقايسة	[illegible]	[illegible]	[illegible]

خرسانة عادية للبلاطة الانتقالية [illegible]

خرسانة عادية لبلاطة الانتقالية [illegible]

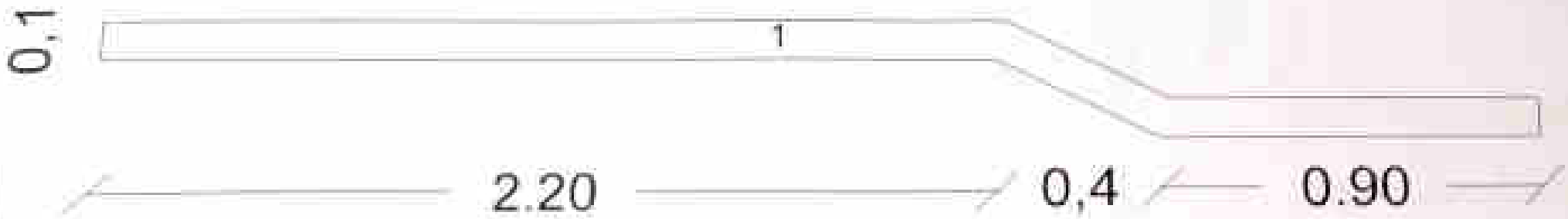
حصر الخرسانة العادية لزوم البلاطة الانتقالية الخاصة برصيف ٢				
رقم الشكل	طول	عرض	سمك	الحجم
شكل ١	٣,٥	٧,١	٠,١	٢,٤٩
الاجمالي (بالمتر المكعب)				٢,٤٩

مدير المشروع الاستشاري

م/ أحمد الفقي

مهندس الشركة

كوبري حولقام الدبعـــــ .



البلاطة الإستعلالية لمنزل راسب (2)

حصر الخرسانة العادية لزوم البلاطة الإنتقالية لمبنى الكهرباء من إكس ADD				
رقم الشكل	طول	عرض	سمك	الحجم
شكل ١	٣,٦٥	١٦	٠,٩	٥,٩٤
الإجمالي (بالمتر المكعب)				٥,٩٤

مهندس الشركة

مدير المشروع الاستشاري

كوبـــرى مزلقـــان أبـــوحمص

البلاطـــة الانتقاليـــة لمـــنزل الكوبـــرى عنـــد اكـــس A00

Concrete Technology Centre
Design - Quality Control - Testing

Owner	GORD (General Authority of Road and Bridge and Land Transport)
Consultant	Road Transportation Consulting Engineers
Contractor	The General Al Nile Company for Roads and Bridges
Project	Abu Rumeh Slip Bridge
Bridge Name	Slip Bridge

Concrete Cubes Compressive Strength

Casting Date	26/10/2023	Date	259 Kg/Cm²
Sample dimensions	20	Cement Content	350 Kg/m³
Cube Size (CM)	15*15*15	Type of cement	N.P.C
Source (CPC)	Concrete Batch Plant	Admixture Name	SIKA 8875

Item	عادية

عادية البلاطة الانتقالية (أمام أبو حمص) (A00)

No	Casting Date	Age (Day)	Weight (gm)	Density (gm/Cm³)	Load (KN)	Comp. Strength (Kg/Cm²)	ملف التشغيل	Average (Kg/Cm²)
1	02/11/2023	7	8235	2.439	565	256	تمام	257
2	02/11/2023	7	8015	2.387	527	243	تمام	
3	02/11/2023	7	8075	2.393	604	271	تمام	
					Average %			103%

Acceptance criteria: Comply ☐ Not comply ☐

Notes:

Lab. Eng. | Company Eng. | Consultant Eng.

HELIOPOLIS

وزارة النقل
الهيئة العامة للطرق والنقل
الهيئة العامة للطرق والنقل البري [illegible]

[illegible]
[illegible] للطرق والنقل

بيان الأعمال بالمستخلص رقم (١٩) جاري

عملية : انشاء كوبري مرتفعات أبو حمص العلوي

رقم البند وبيانه : (١٩)	بالغ المكعب توريد وصب وبمت خرسانة مسلحة بوجه الأساسات والمصدات وقاعات الكوبري والملاقة الانتقالية وكافة العناصر الإنشائية المذكورة بالجهاز كسر قياسي قدره : ٢١ كجم / سم٢ بعد مضي ٢٩ يوم من تاريخ الصب مع استخدام اسمنت بورتلاندي عادي بمحتوى لا يقل عن : ٤ كجم / م٣ وانشاء بشكل أفضل الصلاحية والمعالجة وتسوية السطح طبقا للأبعاد التصميمية وجميع ما يلزم لتمام العمل طبقا للمواصفات والبند لا يشمل حديد التسليح

تنفيذ شركة : النسل العامة للطرق والكباري

الكمية بالمقايسة المعتمدة رقم : ٢٦م٢ مقدار العمل شهري ١٤٩,٦٤٥

بيان الأعمال بالمقايسة	الموقع الشهر جاري من	الى	الكمية بالمكعب م٣	العدد	الأعمال م٣
بلاطة انتقالية وصب الجزء عند أمين الكتلة			[illegible]		[illegible]
بلاطة السوبرمة الموقتة			[illegible]		[illegible]
[illegible]			[illegible]		[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

عن الشركة

هيئة الطرق

[illegible]

حصر خرسانة برلوورات فصل الحركة لمطالع ومنازل الكوبرى على الطريق الدائرى				
قطاع	طول	عرض	سمك	الحجم
راسب المطلع	٢٠	٠,٥	٠,٥	٥
راسب المنزل	٢٠	٠,٥	٠,٥	٥
راسب القاهرة	٣٠	٠,٥	٠,٥	٧,٥
الاجمالى (بالمتر المكعب)				١٧,٥٠

مدير المشروع الاستشارى

مهندس الشركة

كويـرى مزلقـان أبـوحمص

قطـاع مـرمورات فصـل الحركـة لمطـاع ومنـزل الكويـرى

[illegible]

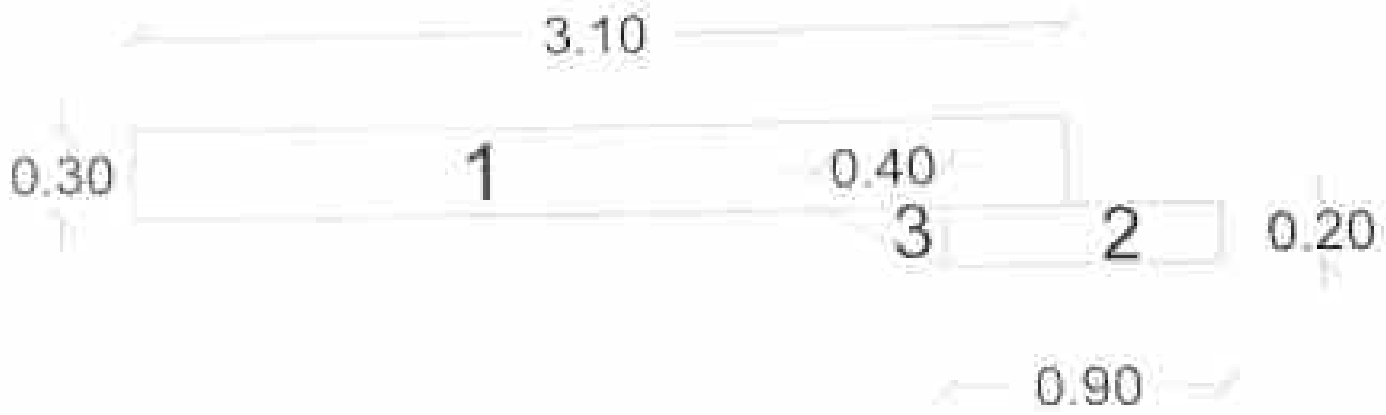
[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]				[illegible]

[illegible]

[illegible]

كوبـــرى مزلقـــان أبـــوحمص



البلاطـــة الانتقاليـــة لمـــنزل الكوبـــرى عنـــد اكـــس A00

كوبـــرى مزلقـــان أبـــوحمص

0.45

0.90

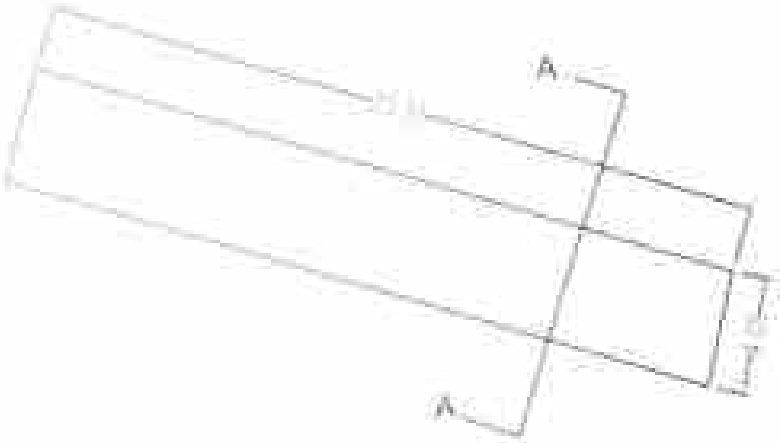
قطـــاع الـــبردورة للبلاطـــة الانتقاليـــة لمـــنزل الكوبـــرى

حصر الكميات المساحية لزوم الإزالة للدعامة المؤقتة للشاكلة المعدنية على الطريق الزراعي				
رقم الشكل	طول	عرض	سمك	الحجم
شكل ١	٢٥,٥٥	٤	,٣	٣١,٦٦
الإجمالي (بالمتر المكعب)				٣١,٦٦

مهندس الشركة

مدير المشروع الاستشاري

كوبـرى مزلقـان أبـوحمص



Section (A - A)

[illegible]

[illegible]

[illegible]

بيان الاعمال بالمستخلص رقم (١٢) ٢ جاري

منطقة : انشاء كوبري مزلقان أبو صخير الجنوبي

رقم البند وبيانه (١٢)

بالمتر المكعب خرسانة مسلحة للأسقف أعلى الكمرات التحديدية كسر قياس قياسي قدرة ٤٠٠ كجم / سم٢ بعد مضي ٢٨ يوم من تاريخ الصب مع استخدام أسمنت بورتلاندي عادي بمحتوى لا يقل عن ٤٠٠ كجم /م٣ مع استخدام نوع مناسب من المثبتات لمنع انفصال حبيبات الخرسانة أثناء الصب للحصول على سطح أملس تماما - والسعر لا يشمل حديد التسليح

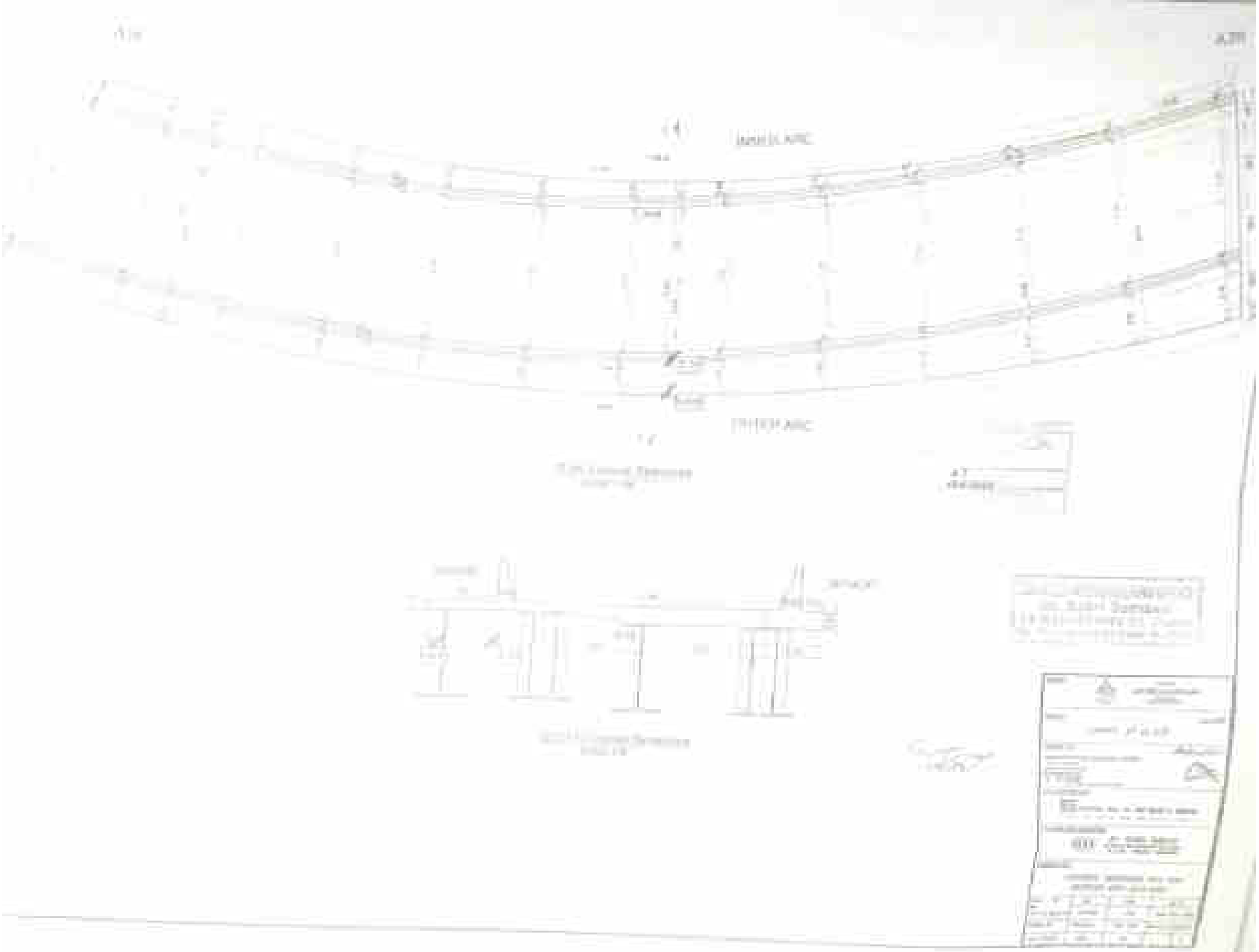
[illegible]

[illegible] ٩٠٠ [illegible] ١١٠,٢٩٢

بيان الاعمال بالمقايسة	الموقع التابع وبيان من	إلى	العدد	الطول	العرض	الارتفاع	الكمية
بلاطة A19-20			١	٢٢٢,٤			١٢٢,٤
نيو خرسي بلاطة A19-20				١١,٢٩٢			١١,٢٩٢
الاجمالي							١٣٤,٠٠٤

اجمالي قائمة المستخلصات حتى تاريخه	[illegible]
اجمالي الكمية المدرجة بالمستخلص السابق	[illegible]
الكمية المدرجة بالمستخلص خلال مدة	[illegible]
اجمالي الكمية المدرجة بالمستخلص الحالي	[illegible]

[illegible] [illegible] [illegible]



كوبـــرى مزلقـــان أبـــوحمص

قطاعـــات للبلاطـــة الخرســـانية أعلـــى الباكيـــة المعدنيـــة A20-9

كوبـــرى مزلقـــان أبـــوحمص

قطاعـــات للبلاطـــة الخرســـانية أعلـــى الباكيـــة المعدنيـــة A19-A20

كوبـــرى مزلقـــان أبـــوحمص

قطاعـــات للبلاطـــة الخرســـانية أعلـــى الباكيـــة المعدنيـــة A20-9

حصر الخرسانة لزوم النيوجرسي A19-20

رقم الشكل	طول	عرض	مساحة
شكل ١	0.2	1.1	0.22
شكل ٢	0.25	0.4	0.1
شكل ٣	0.03	0.45	0.007
شكل ٤	0.14	0.25	0.035
اجمالي المساحة			0.362

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]					
من محور A12 لمحور A20 داخلي	م٢	1	18.03	0.362	23.02
من محور A19 لمحور A20 خارجي	م٢	1	11.03	0.362	23.02
الاجمالي باسم المقاول					46.177

مهندس المكتب — مدير الاستشارات

بيان الأعمال بالمستخلص رقم :(١٩) جاري

رقم البند وبيانه : (٢٢)	بالمتر المكعب خرسانة مسلحة للقواعد الصندوقي المعطية المصرف أو كمر قياسي قياسي قدرة : ٤٠ كجم / سم٢ بعد مضي ٢٨ يوم من تاريخ الصب مع استخدام السمنت بورتلاندي عادي يحتوي لا يقل عن : ٤٠٠ كجم /م٣ مع استخدام نوع مناسب من المذدات لماء الصب المحمول على سطح أفقي تماما – والسعر لا يشمل حديد التسليح

تنفيذ شركة : النيل العامة للطرق والكباري

الكمية بالمقايسة المعتمدة رقم ٤٤	١٨٢٠ م٣	بقدر الصرف السابق	١٨٠١,٤٥٦	

بيان الأعمال بالمقايسة	الوحدة مكعب م٣	العدد	الإجمالي م٣
حوائط البرج المرحلة الثالثة	٦٩,٠٣	١	٦٩,٠٣
حوائط البرج المرحلة الرابعة	١١٣,٥٣٦	١	١١٣,٥٤
الإجمالي			١٨٢,٥٦٦

اجمالي ما تم تنفيذه حتى تاريخه	١٩٨٤,٠٢
اجمالي الكمية المدرجة بالمستخلص السابق	١٧٩٩
الكمية المدرجة بالمستخلص خلال مدة	١٨٥
اجمالي الكمية المدرجة بالمستخلص الحالي	١٩٨٤

عن الشركة

المستشار

عن الهيئة

حصر كميات المسلحة لحوائط الزريع المرحلة الثالثة

رقم البند	البند	الطول الاجمالى	الارتفاع الخرسانة المسلحة	عرض الخرسانة المسلحة	مكعب الخرسانة(م٣)
٢٢	بالمتر المكعب خرسانة مسلحة لقطاع الصندوقي لتغطية المصرف ذو كسر قياسي قياسي قدره ١٥٠ كجم / سم٢ بعد مضي ٢٨ يوم من تاريخ الصب مع استخدام اسمنت بورتلاندي عادي بمحتوي لا يقل عن ٣٥٠ كجم /م٣ مع استخدام نوع مناسب من الشدات أثناء الصب للحصول على سطح املس تماما – والسعر لا يشمل حديد التسليح	65.74	3.5	0.3	69.027
	الاجمالى (م٣)				69.027

عن الشركة

عن الاستشاري

عن الهيئة

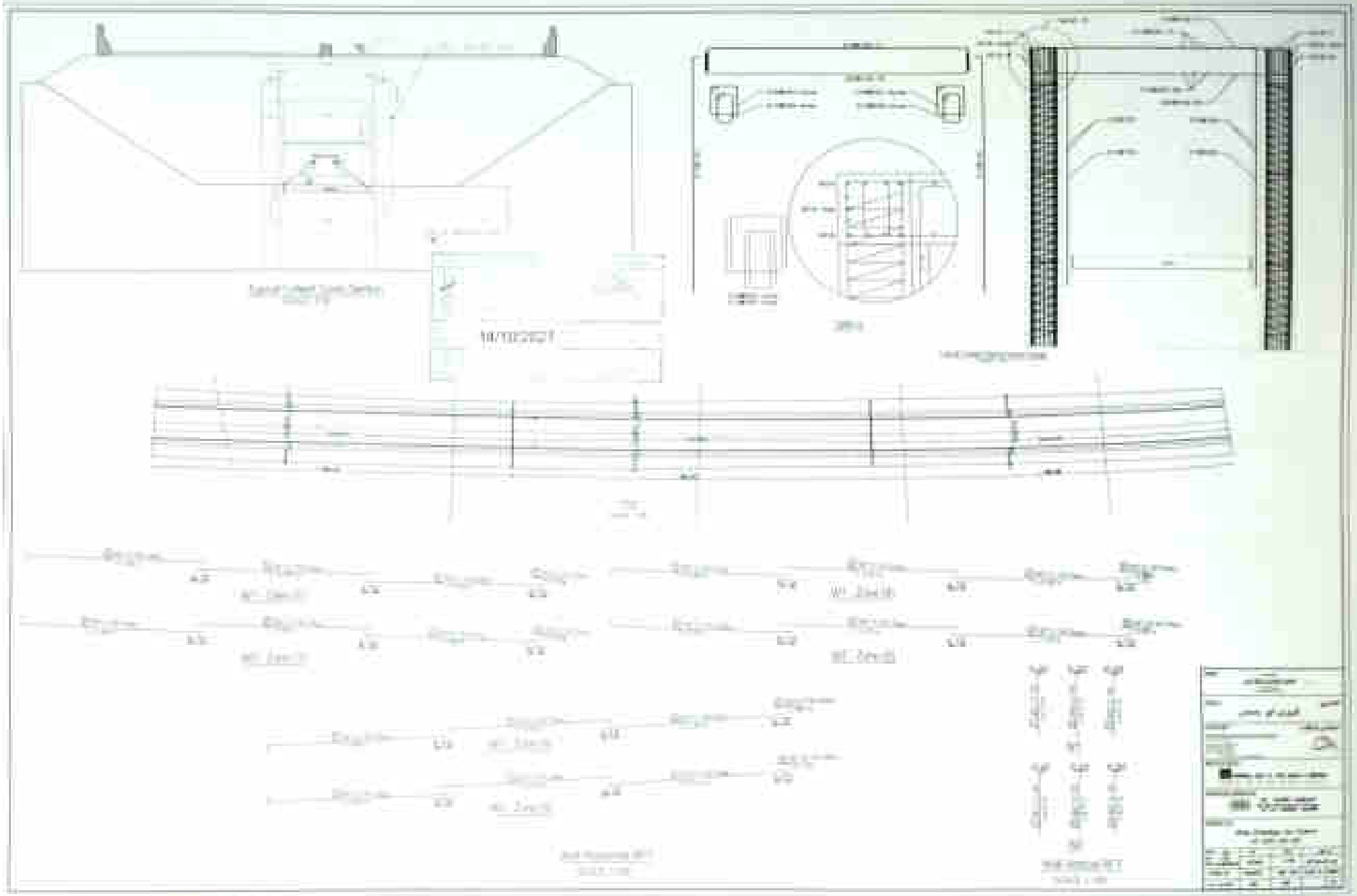
حصر كميات المسلحة لحوائط البريخ المرحلة الرابعة

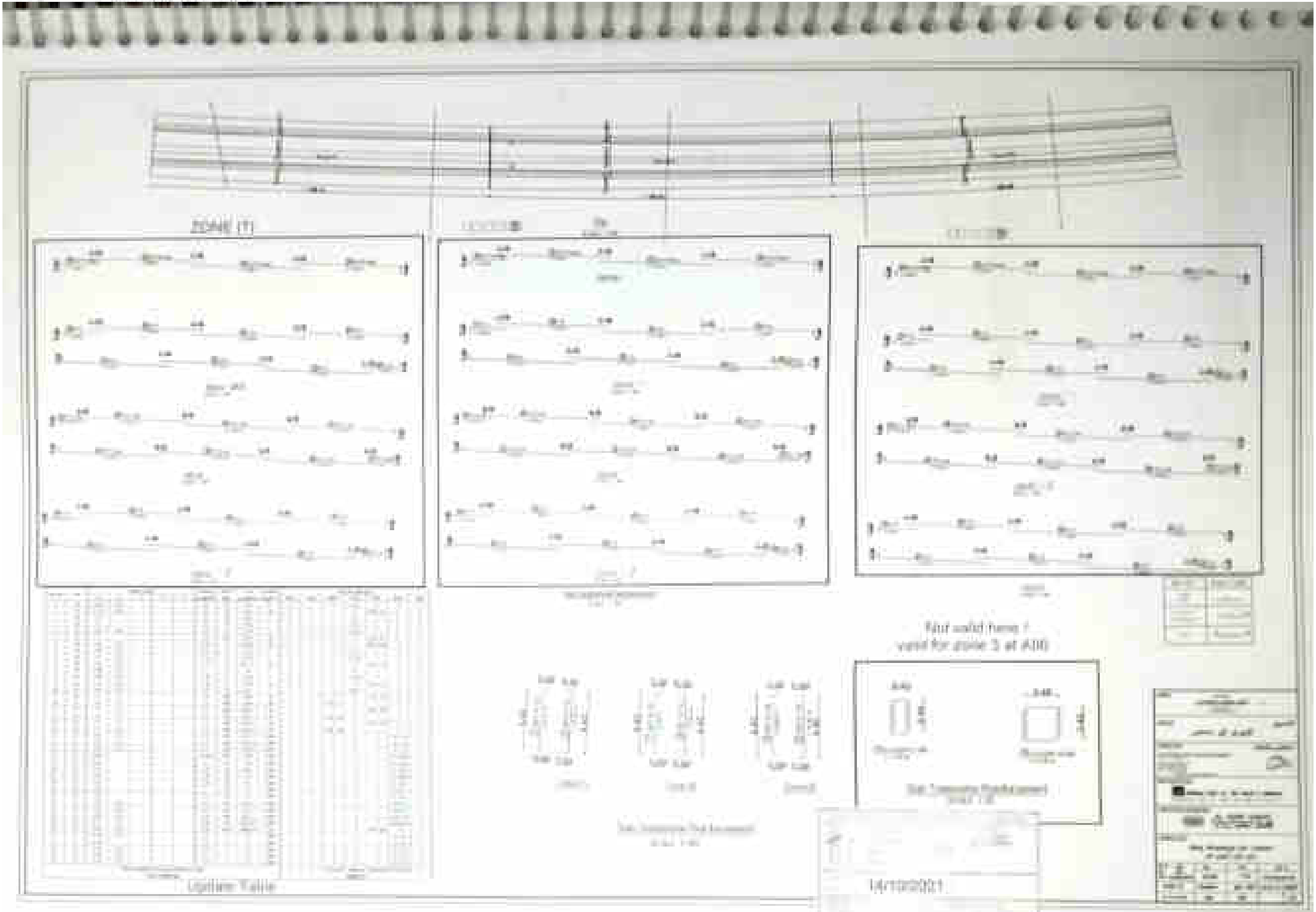
رقم البند	البند	الطول الاجمالى	الارتفاع الخرسانة المسلحة	عرض الخرسانة المسلحة	مكعب الخرسانة(م٣)
٢٢	بالحفر المكعب لخرسانة مسلحة لقطع الصندوقي لتغطية المصرف ذو كسر قياسي قياسي قدره ١٥٠ كجم / سم٢ بعد مضي ٢٨ يوم من تاريخ الصب مع استخدام أسمنت بورتلاندي عادي بمحتوى لا يقل عن ١٥٠ كجم /م٣ مع استخدام نوع مناسب من الشدات أثناء الصب للحصول على سطح أملس تماما – والسعر لا يشمل حديد التسليح	108.13	3.5	0.3	113.54
	الاجمالى (م٣)				113.54

عن الشركة

عن الاستشارى

عن الهيئة




ZONE (1)
Four solid forms /
valid for zone 3 at A00
Uplifter Table
14/10/2021

بيان الأعمال والمستخلص رقم [illegible]

[illegible]

[illegible]

بنود الأعمال والمقاسة

بنود الأعمال والمقاسة	[illegible]		[illegible]
[illegible]	[illegible]		[illegible]
استكمال حفر [illegible] المرحلة الثالثة	[illegible]		[illegible]
استكمال حفر [illegible] المرحلة الرابعة	[illegible]		[illegible]
استكمال حفر بلاطة A12-11	[illegible]		[illegible]
استكمال حفر بلاطة A16-15	[illegible]		[illegible]
استكمال حفر عامود A6-1	[illegible]		[illegible]
استكمال حفر عامود A5-2	[illegible]		[illegible]
استكمال حفر عامود A2-1	[illegible]		[illegible]
استكمال حفر عامود A13-2	[illegible]		[illegible]
استكمال حفر عامود A10-1	[illegible]		[illegible]
استكمال حفر عامود A8-1	[illegible]		[illegible]
استكمال حفر عامود A11-3	[illegible]		[illegible]
استكمال حفر عامود B5	[illegible]		[illegible]
استكمال حفر عامود C1	[illegible]		[illegible]
استكمال حفر عامود A12-2	[illegible]		[illegible]
استكمال حفر عامود A12-3	[illegible]		[illegible]
استكمال حفر عامود A12-4	[illegible]		[illegible]
استكمال حفر عامود A12-5	[illegible]		[illegible]
استكمال حفر عامود A16-2	[illegible]		[illegible]
استكمال حفر عامود A11-1	[illegible]		[illegible]
استكمال حفر عامود A4-1	[illegible]		[illegible]
استكمال حفر عامود A16-4	[illegible]		[illegible]
استكمال حفر عامود A20-1	[illegible]		[illegible]
استكمال حفر عامود C2	[illegible]		[illegible]
استكمال حفر عامود A17-2	[illegible]		[illegible]
استكمال حفر عامود A20-2	[illegible]		[illegible]
استكمال حفر عامود B4	[illegible]		[illegible]
استكمال حفر عامود B1	[illegible]		[illegible]
استكمال حفر عامود B3	[illegible]		[illegible]
استكمال حفر عامود B2	[illegible]		[illegible]
استكمال حفر عامود A4-2	[illegible]		[illegible]
استكمال حفر [illegible]	[illegible]		[illegible]
حفر حديد البلاطة الخرسانية أعلى الواكية المعدنية A19-22	[illegible]		[illegible]
الاجمالي ([illegible])			[illegible]

[illegible]

عن الشركة　　　　عن الاستشاري　　　　عن الهيئة

حصر حديد التسليح الخاص بالبلاطة الانتقالية لمنزل الكويري عن اكس A00

Total bars(kg)	Weight (kg/m)	Total Length(m)	No.Of Bars	Cutting Length(m)		Shape Code					dia	Bar No
mm					T	E	D	C	B	A		
[illegible]	[illegible]	396.4	[illegible]	4.94		0.5	0.41	1.00	0.24	0.75	16	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					0.24	0.93	16	2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.4	0.86	0.14	0.91	0.52	0.5	16	3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				1.0	0.91	0.21	16	4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					0.12	0.21	16	5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	0.21	16	6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	0.31	16	7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	0.8	16	8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	16	9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	16	10
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	16	11
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16	12
[illegible]	Total weight for each bar diameter = [illegible]											
[illegible]	Total weight = [illegible]											

مهندس الشركة

مدير المشروع والاستشاري

وزارة النقل
الهيئة العامة للطرق والكباري
الهيئة العامة للطرق والكباري المسجلة طبقا لقانون

تقرير شركة النيل العامة للطرق والكباري

استكمال حصر الحديد لعمود A9-2

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	12	6.11	70	0.73	0.372
2	18	2.00	4	0.73	0.006
7	12	0.89	12	1.74	0.080
9	12	0.89	24	2.74	0.058
10	16	1.58	6	4.83	0.046
3*	12	0.89	36	1.2	0.038
3*	10	0.62	36	1.2	0.027
				الاجمالي	0.484

استكمال حصر حديد عمود A2-1

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
5	12	0.89	2	2.88	0.005
6	12	0.89	2	2.6	0.005
7	12	0.89	2	3.74	0.007
8	12	0.89	4	1.895	0.007
9	12	0.89	4	2.74	0.010
10	16	1.58	2	4.83	0.015
3*	12	0.89	36	1.2	0.038
3*	10	0.62	36	1.2	0.027
				الاجمالي	0.060

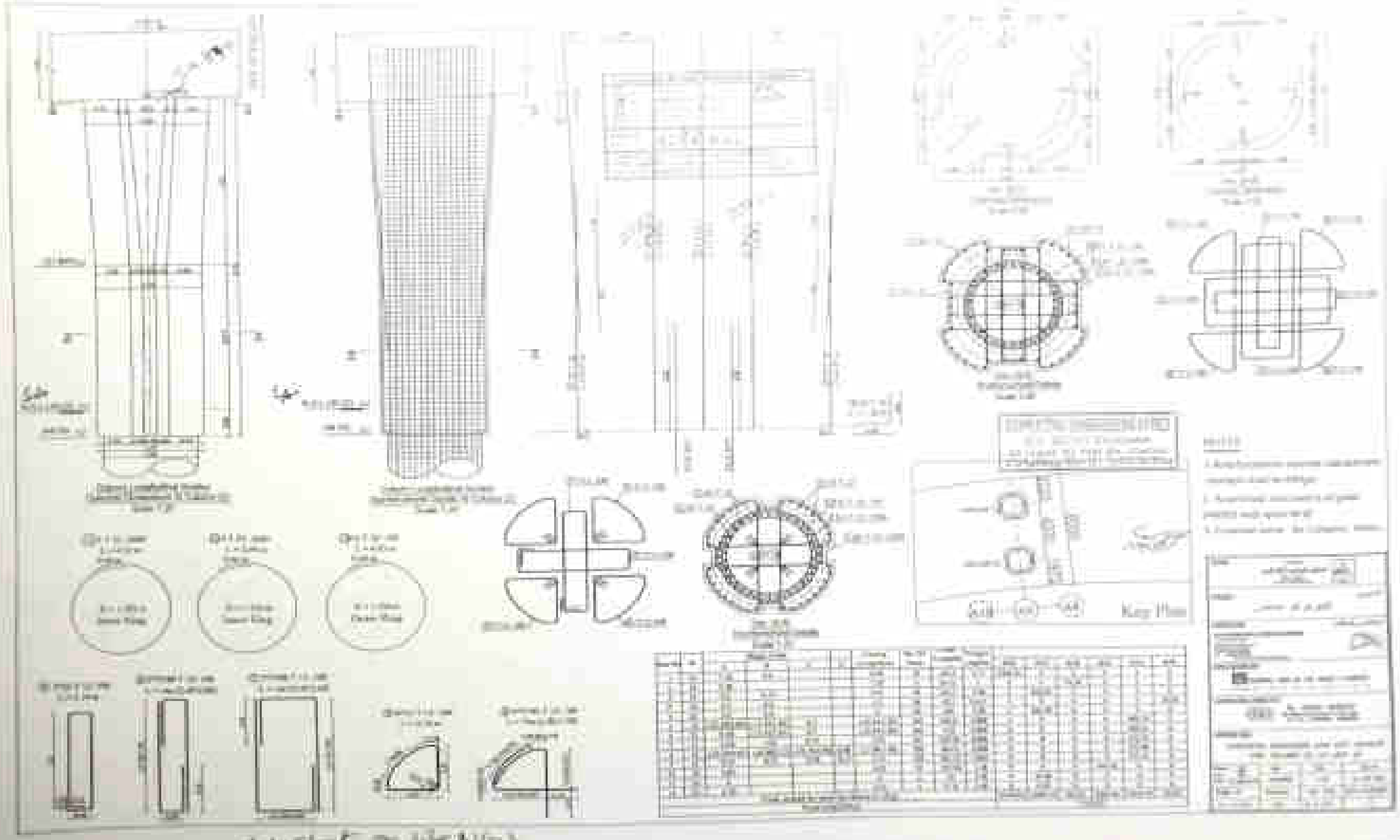
استكمال حصر حديد عمود A4-1

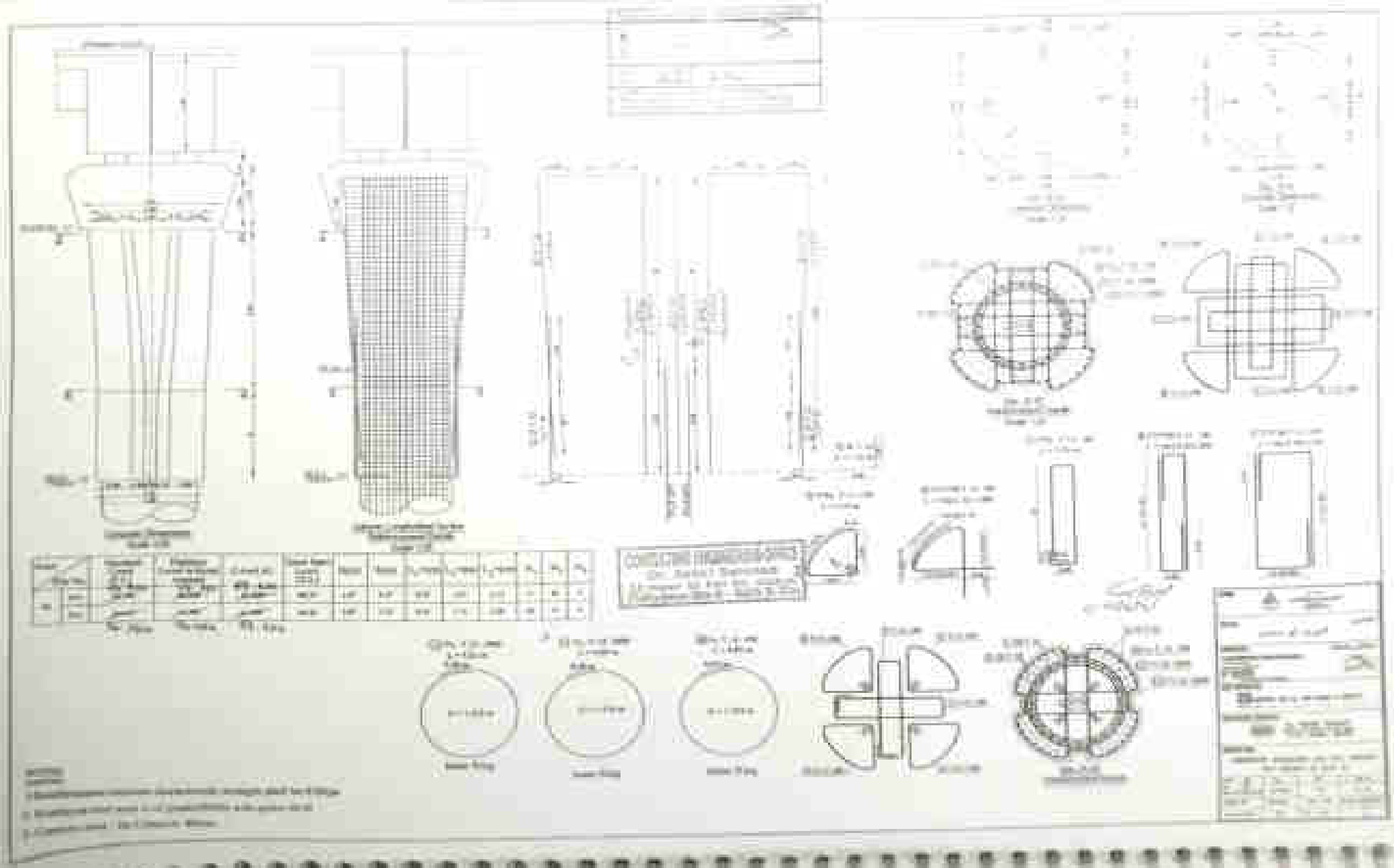
الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	12	6.11	50	0.2	0.061
2	18	2.00	4	0.2	0.002
7	12	0.89	4	3.74	0.013
9	12	0.89	8	2.74	0.019
10	16	1.58	2	4.83	0.015
3*	12	0.89	36	1.2	0.038
3*	10	0.62	36	1.2	0.027
		0.00			0.009
				الاجمالي	0.124

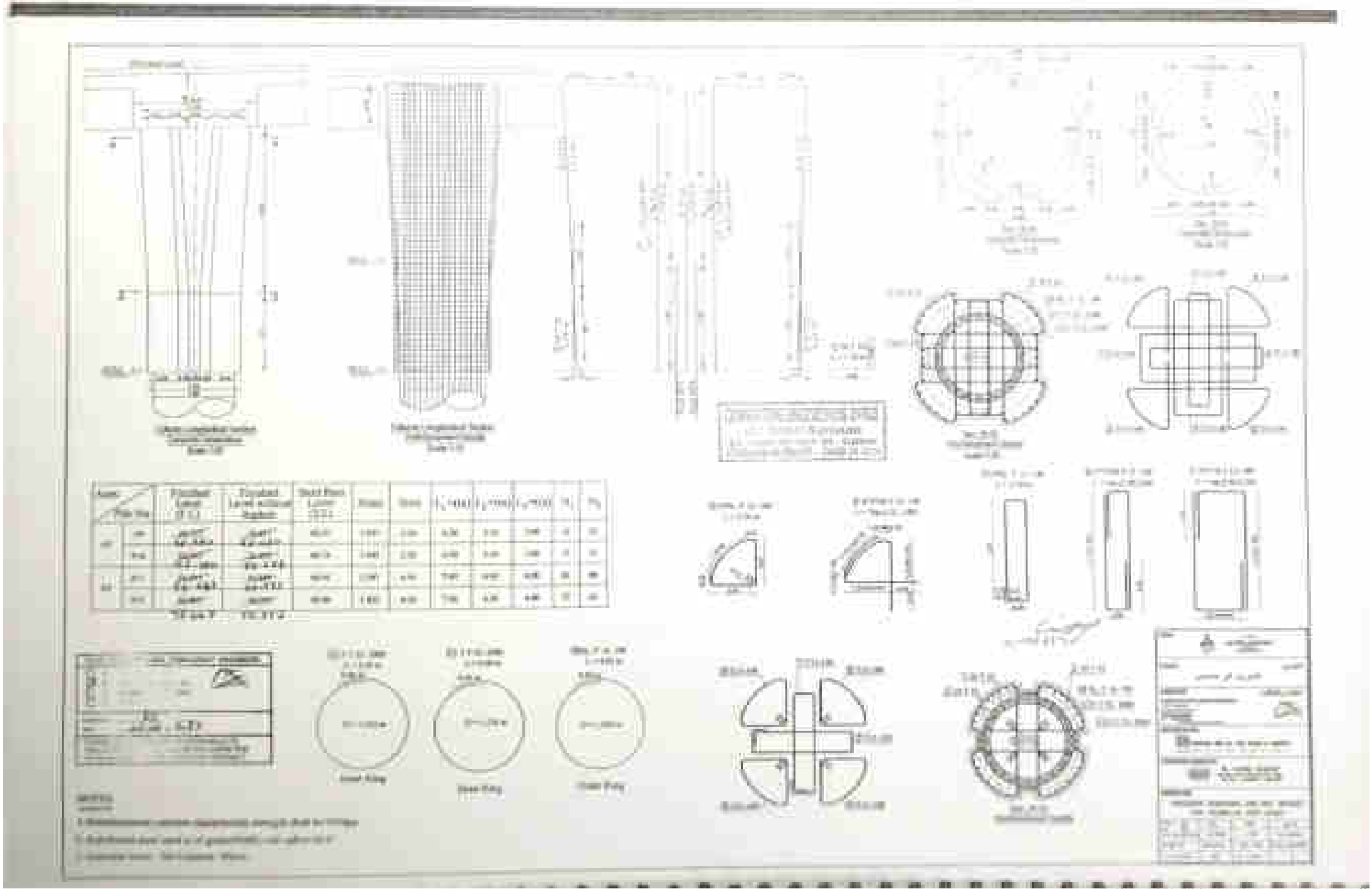
عن الشركة

عن الاستشاري

عن الهيئة







وزارة النقل
الهيئة العامة للطرق والكباري
الهيئة العامة للطرق والكباري المجمعة (شركة مصر)

تعقيب شركة النيل العامة للطرق والكباري

استكمال حفر تحديد العمود A10-1

رقم	العمق	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	33	6.31	72	0.81	0.307
2	18	2.00	4	0.81	0.0207
3	12	0.89	12	2.74	0.0181
4	12	0.89	28	2.74	0.0426
10	16	1.58	4	4.83	0.0503
11*	12	0.89	36	1.2	0.0189
12*	10	0.62	36	1.2	-0.0217
		0.00			0.560
		الاجمالي			

استكمال حفر تحديد العمود A10-2

رقم	العمق	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	37	6.31	72	0.81	0.308
2	18	2.00	4	0.69	0.0207
3	12	0.89	12	2.74	0.0461
4	12	0.89	24	2.74	0.0958
10	16	1.58	4	4.83	0.0486
11*	12	0.89	36	1.2	0.0168
12*	10	0.62	36	1.2	-0.0217
		0			0.000
		الاجمالي			0.443

استكمال حفر تحديد العمود A10-3

رقم	العمق	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	72	0.9	0.257
2	18	2.00	4	0.9	0.0207
3	12	0.89	12	2.74	0.0342
4	12	0.89	24	2.74	0.0684
10	16	1.58	4	4.83	0.0161
11*	12	0.89	36	1.2	0.0189
12*	10	0.62	36	1.2	-0.0217
		0.00			0.000
		الاجمالي			0.425

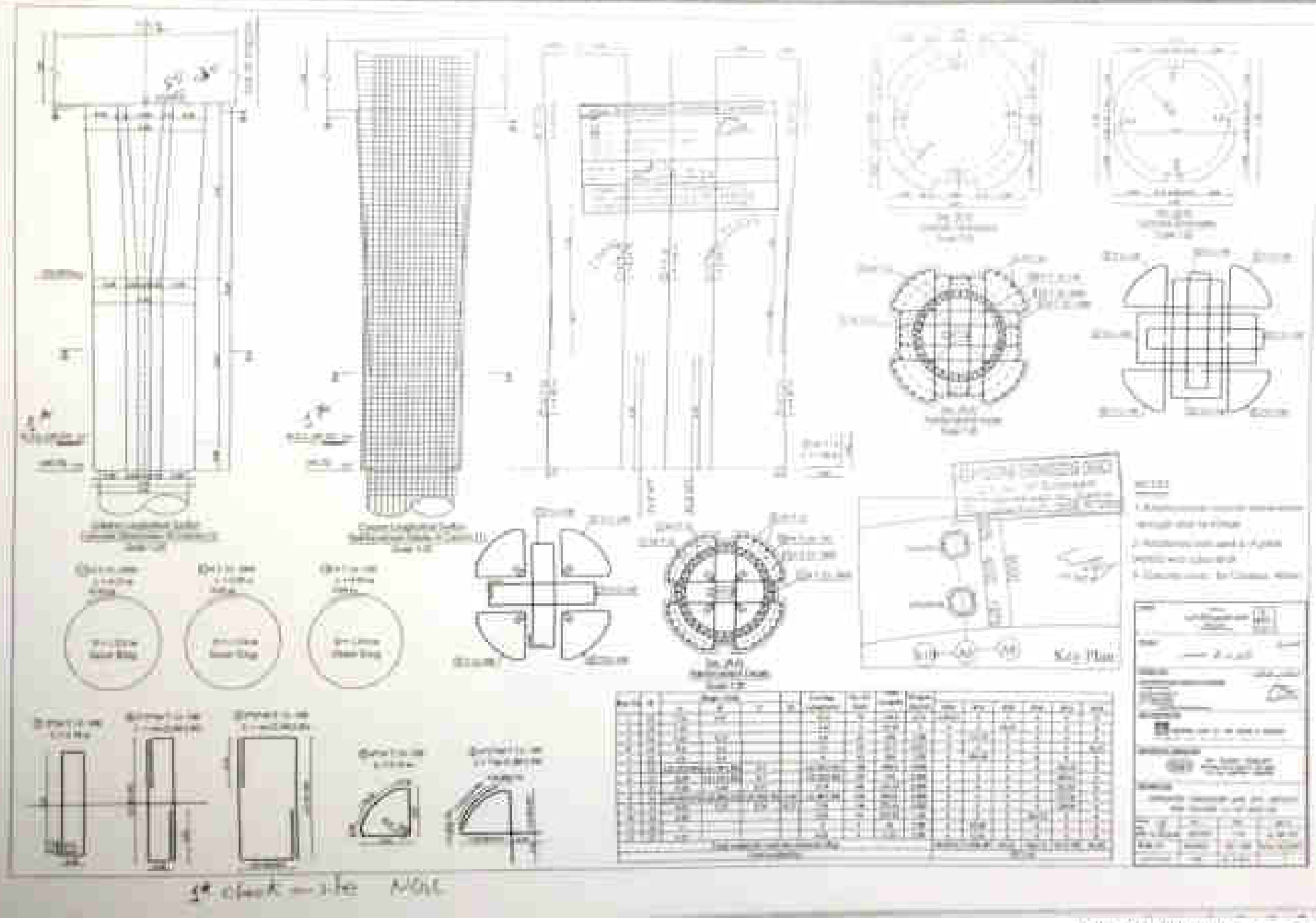
استكمال حفر تحديد العمود A10-4

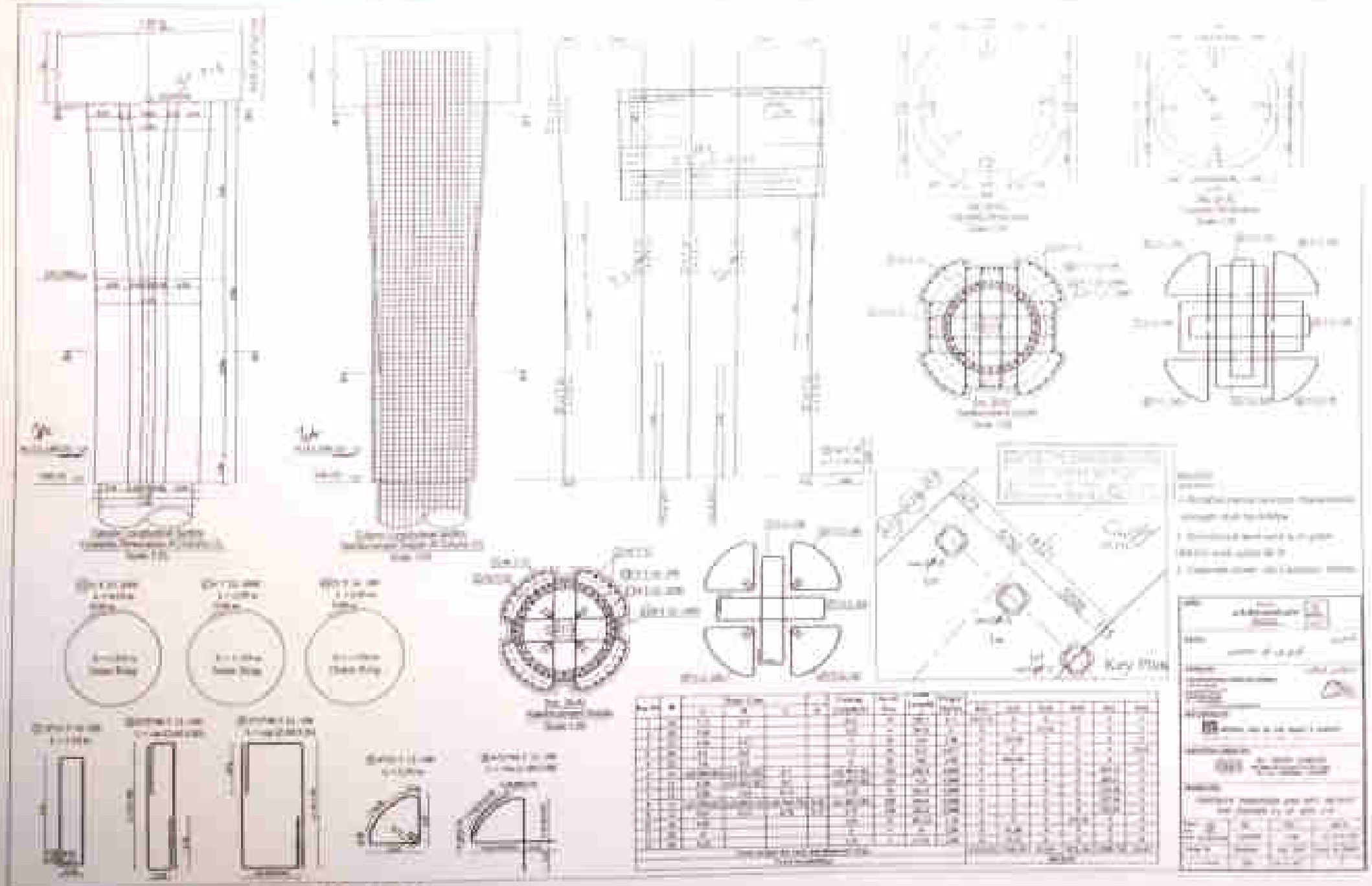
رقم	العمق	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	72	0.24	0.106
2	18	2.00	4	0.24	0.002
3	12	0.89	4	2.74	0.013
4	12	0.89	8	2.74	0.019
10	16	1.58	2	4.83	0.015
11*	12	0.89	36	1.2	0.019
12*	10	0.62	36	1.2	-0.027
		0.00			0.000
		الاجمالي			0.168

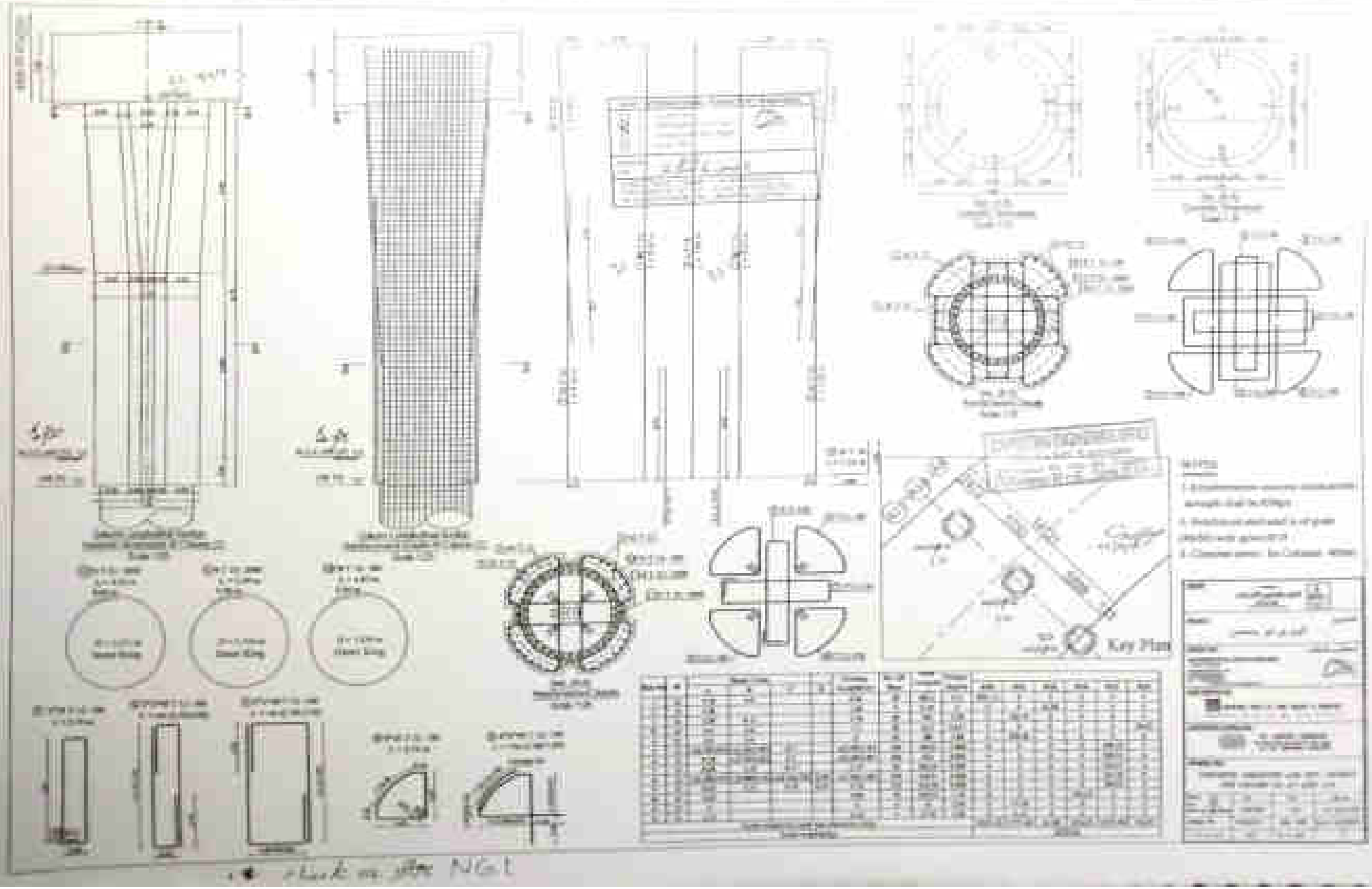
عن الشركة

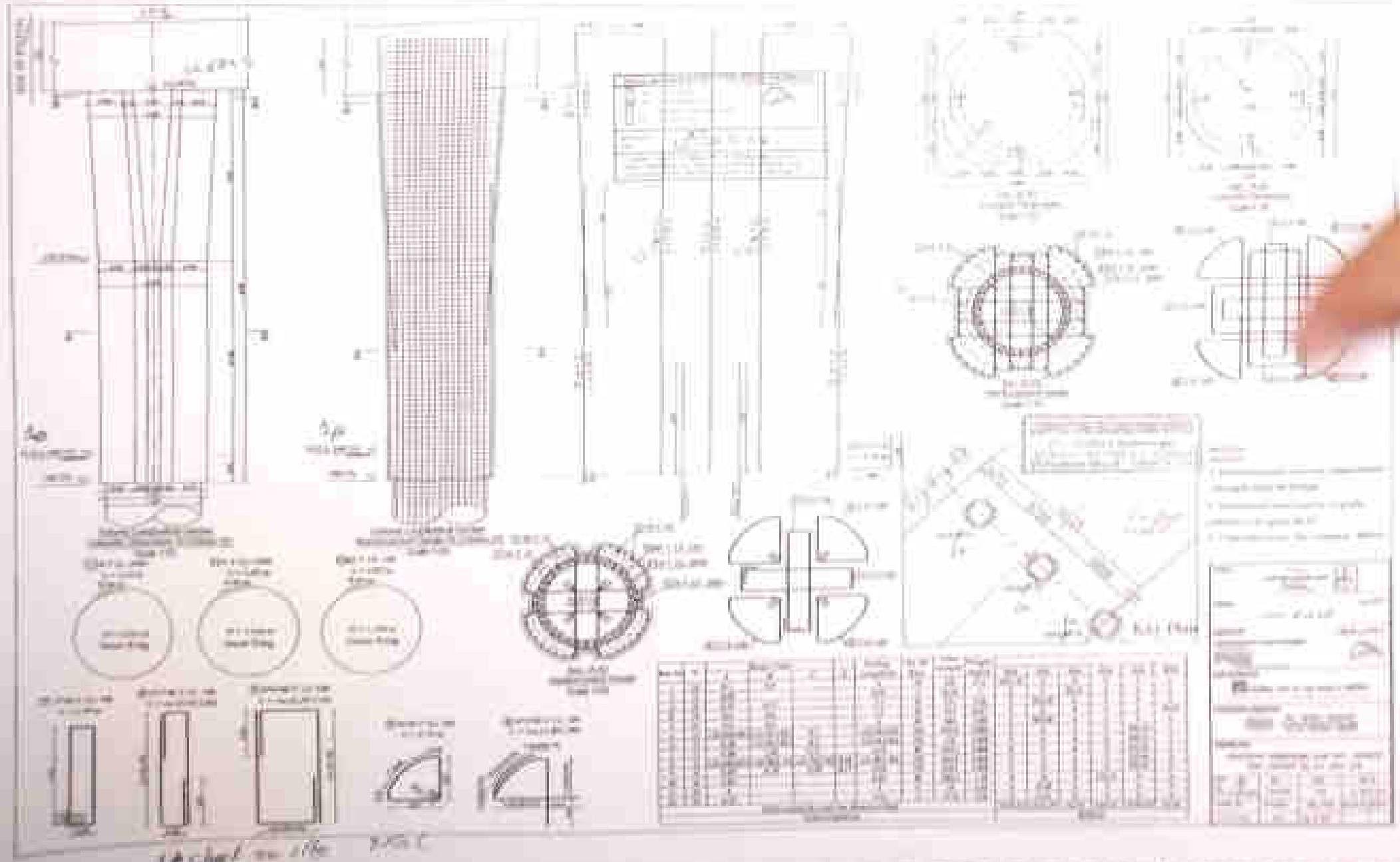
عن الاستشاري

عن الهيئة









وزارة النقل

الهيئة العامة للطرق والكباري

الهيئة العامة للطرق والكباري محطة [illegible] مصر

شركة [illegible] العامة للطرق والكباري

الحصر الفعلي (عدد 5)

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن	ملاحظات
3	12	0.89	36	1.2	0.038	
11	32	6.31	50	3	0.946	
		الاجمالي			0.983	

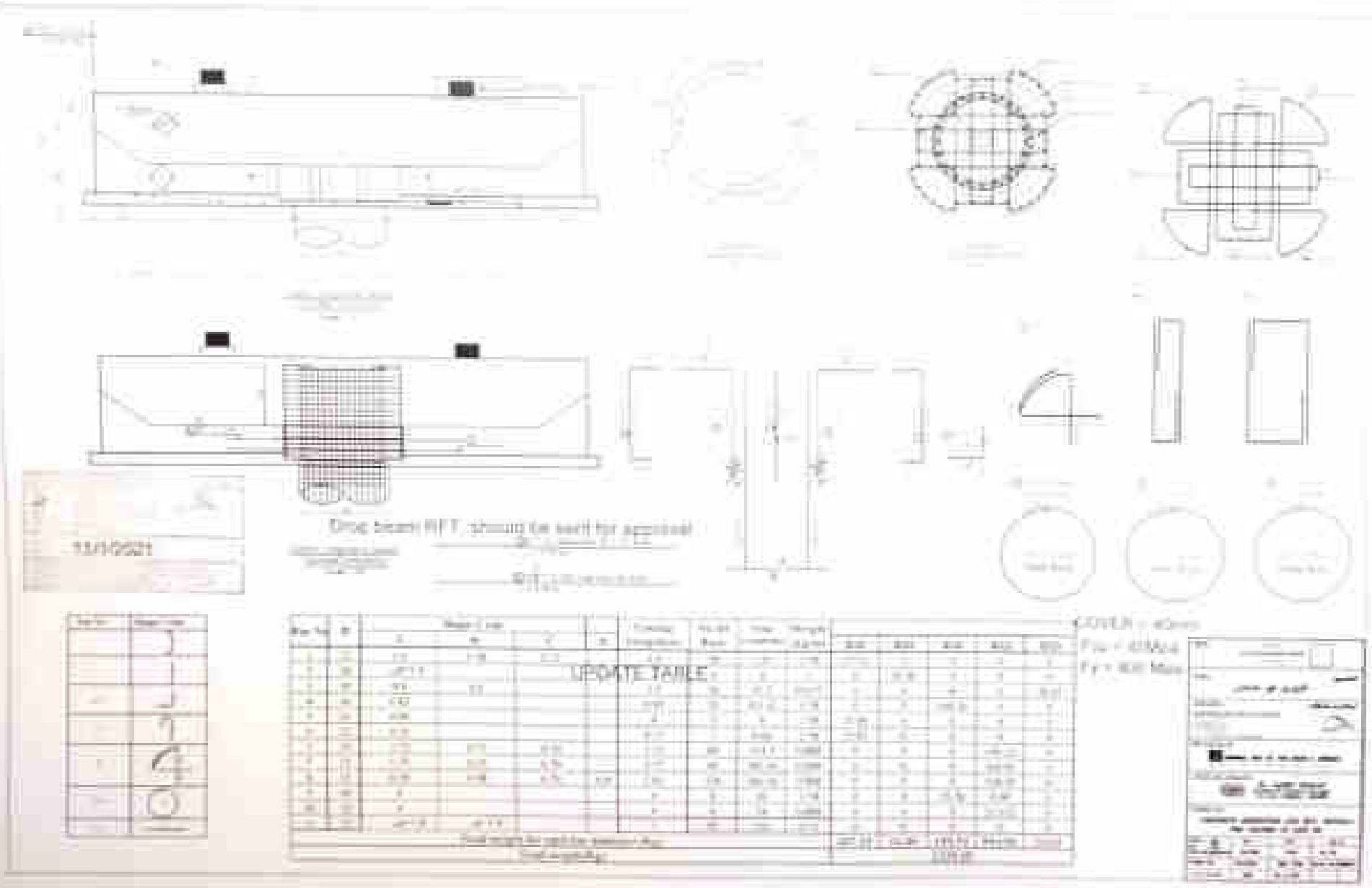
الحصر الفعلي (عدد 9)

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن	ملاحظات
2	16	1.58	4	2	0.013	العدد ١٤ مش ٦
3	12	0.89	36	1.2	0.038	
4	16	1.58	2	0.51	0.015	العدد ٢ مش ١٩
5	22	2.98	1	4	0.012	العدد ٢ مش ١
6	22	2.98	1	4.31	0.013	العدد ٢ مش ١
11	32	6.31	50	3	0.946	
		الاجمالي			1.037	

عن الشركة

عن الاستشاري

عن الهيئة



يتم مراجعة مناسيب الأرض الطبيعية مع مهندس الإشراف في الموقع

Beaning+ Sokel = 20cm

CONSULTING ENGINEERING OFFICE
Dr. Sabri Samaan
[illegible]
[Salladuun Ebn El - Tabib St Giza]

Update table

Pier No.	Φ	Shape Code A	B	C	D	Cutting Length (cm)	No. of Bars	Total Length (m)	Weight (kg/m)	Φ8	Φ10	Φ12	Φ16	Φ20
1	20	2	0.40	0.10		1.00	0	0.0	2.98	0.0	0	0	0	0
1	16	2				2	0	0	2	0	0.0	0	0	0
1	16	3.5	0.7			1.7	40	70.2	1.580	0	0	0	0	0
1	16	3.0				1.01	5	15.15	1.58	0	0	0.0	0	0
1	16	0.90				0	2	0	2.98	0.00	0	0	0	0
1	16	4.10				4.10	2	8.20	2.98	0.00	0	0	0	0
1	16	1.00	0.75	0.10		1.15	80	92.0	2.980	0	0	0	0	0
1	16	1.00	0.45	0.75		1.75	80	140.0	2.980	0	0	0	0	0
1	16	0.90	0.08	0.75	0.4	1.93	100	193.00	2.980	0	0	0	0	0
1	16	0				0	0	0	1.58	0	0	0.0	0	0
1	16	0				0	0	0	1.580	0	0	0	0	0
1	16	0				1.00	0	0	1.580	0	0	0	0	0
1	16	1.0				1.00	0	0	1.1	0	0	0	0	0
Total weight for each bar (kg/m)										0.00	0.00	0.00	0.00	0.00

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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثالثة عشر

تنفيذ: شركة النيل العامة للطرق والكباري

استكمال حصر الحديد لعمود A12-1

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.4	0.126
2	16	2.00	4	0.4	0.003
3	22	2.98	50	0.4	0.060
7	12	0.89	8	3.74	0.027
9	12	0.89	16	2.74	0.039
10	16	1.58	4	4.83	0.030
3*	12	0.89	36	1.2	0.038
3*	10	0.62	-36	1.2	-0.027
			الإجمالي		**0.297**

استكمال حصر حديد عمود A12-2

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.18	0.057
2	16	2.00	4	0.18	0.002
3	22	2.98	50	0.18	0.027
7	12	0.89	4	3.74	0.013
9	12	0.89	8	2.74	0.019
10	16	1.58	2	4.83	0.015
3*	12	0.89	36	1.2	0.038
3*	10	0.62	-36	1.2	-0.027
			الإجمالي		**0.185**

استكمال حصر حديد عمود A12-3

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	1	0.315
2	16	2.00	4	1	0.008
3	22	2.98	50	1	0.149
7	12	0.89	20	3.74	0.066
9	12	0.89	40	2.74	0.097
3*	12	0.89	36	1.2	0.038
3*	10	0.62	-36	1.2	-0.027
					0.000
			الإجمالي		**0.648**

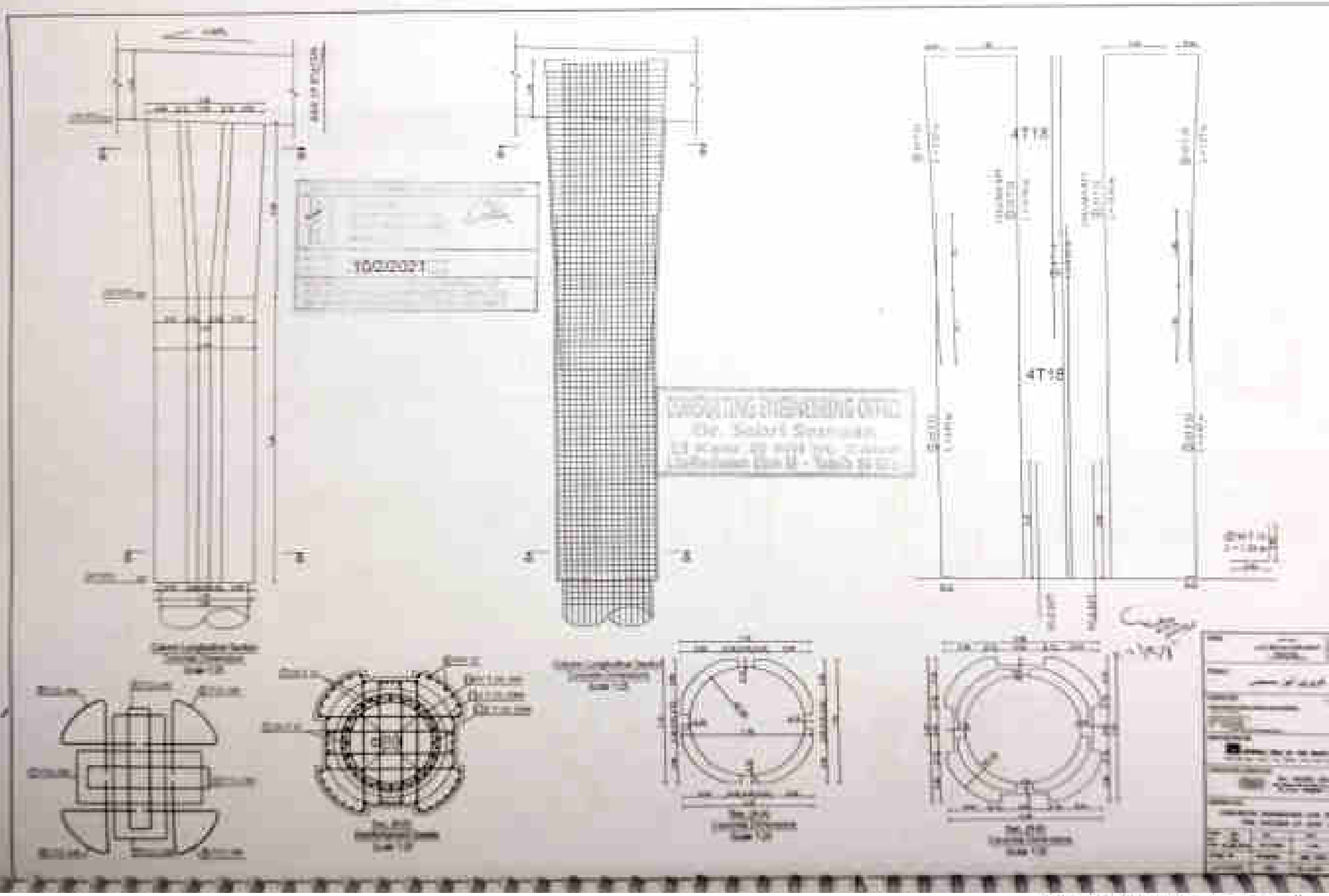
استكمال حصر حديد عمود A12-4

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.25	0.079
2	16	2.00	4	0.25	0.002
3	22	2.98	50	0.25	0.037
7	12	0.89	4	3.74	0.013
9	12	0.89	8	2.74	0.019
10	16	1.58	2	4.83	0.015
3*	12	0.89	36	1.2	0.038
3*	10	0.62	-36	1.2	-0.027
			الإجمالي		**0.176**

عن الشركة

عن الاستشاري

عن الهيئة



NOTES

1. Total concrete volume [illegible] m³
2. Reinforcement steel used is of grade [illegible] with yield [illegible]
3. Concrete cover: For Column: [illegible]

Bar No.	Shape Code	A	B	C	D	Number	Bar Dia (mm)	Total Length (m)	Weight (kg/m)	Φ12	Φ16	Φ14	Φ20	Φ22	Φ25
1	00	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	00	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	00	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	00	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	00	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	00	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	00	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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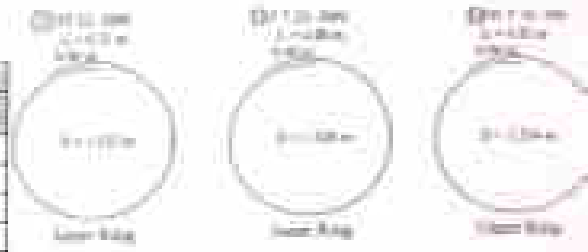
11	00	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	00	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight for each bar diameter (kg)										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight(kg)										[illegible]					



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[illegible]	
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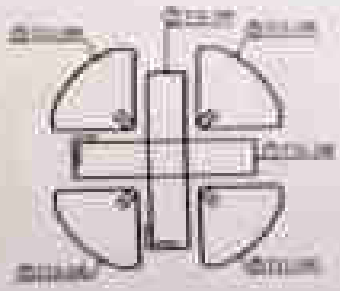

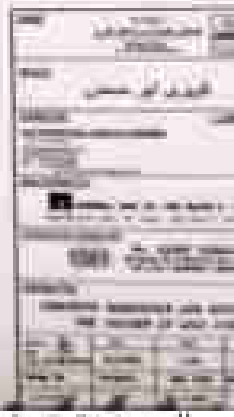

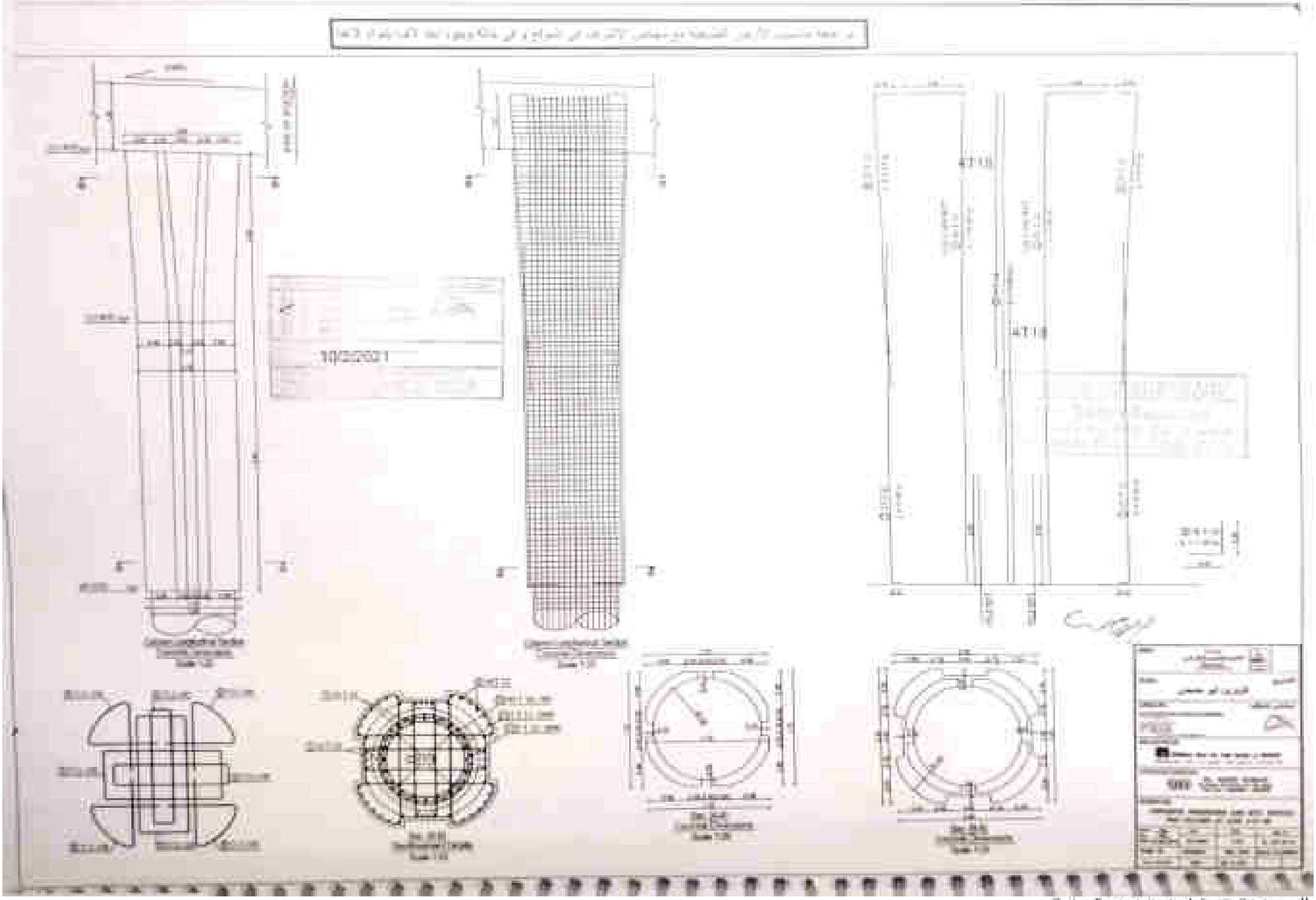

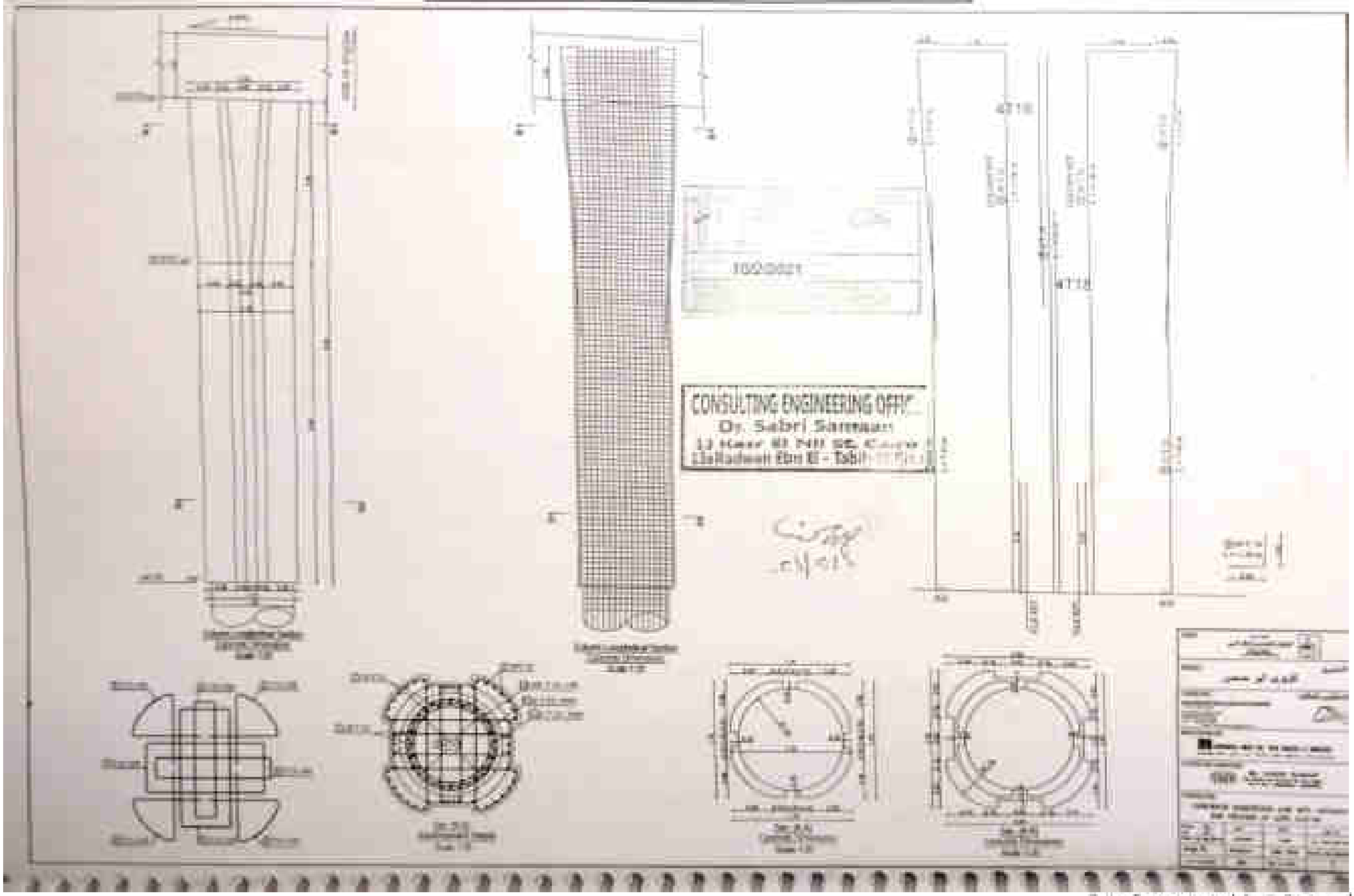

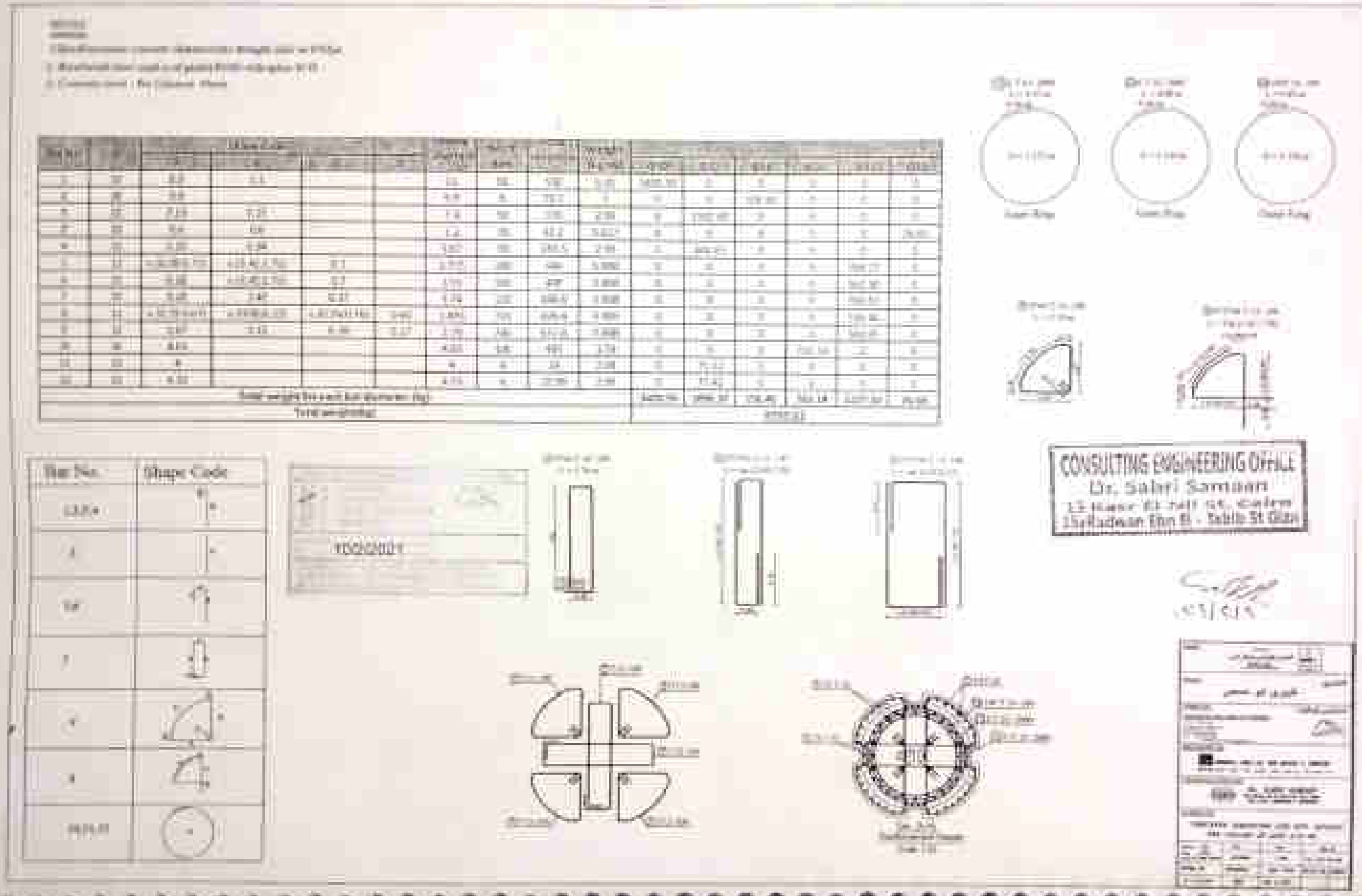

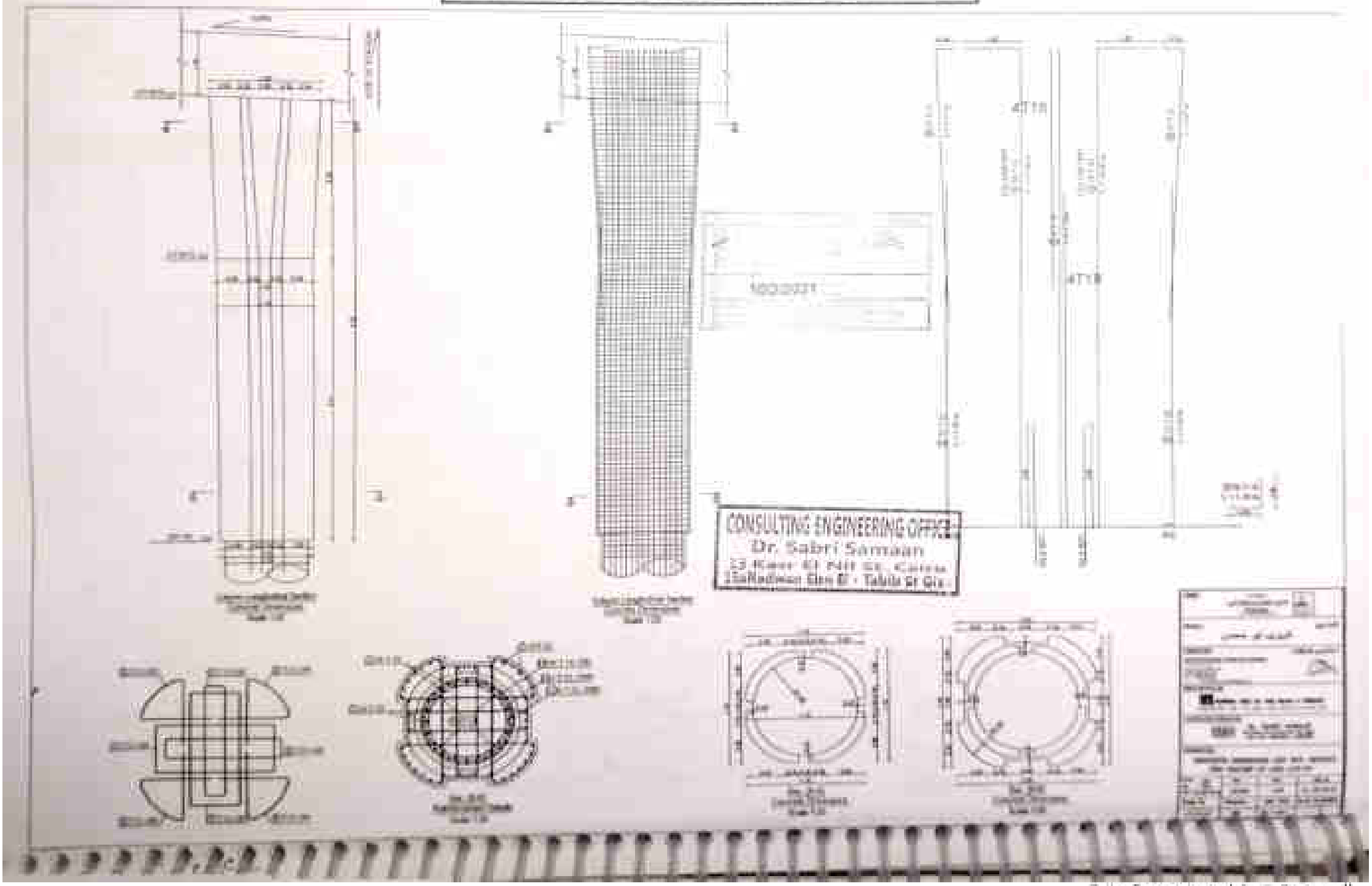

NOTES

1. [illegible]
2. [illegible]
3. [illegible]

Bar No.	Dia.	A	B	C	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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Total weight for each bar diameter (kg)															
Total weight (kg)															

Bar No.	Shape Code
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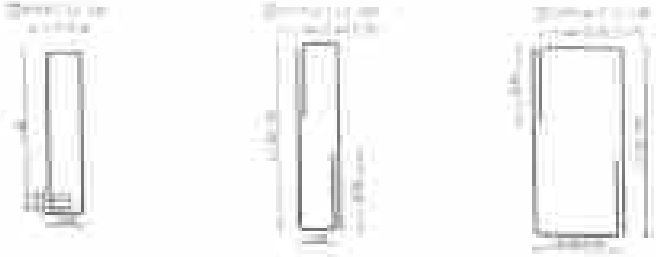
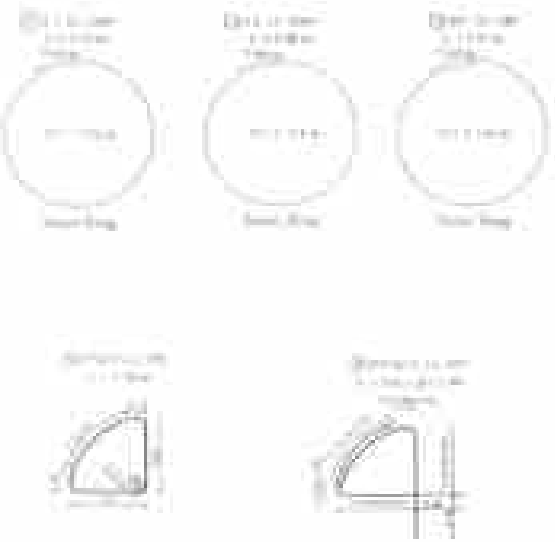
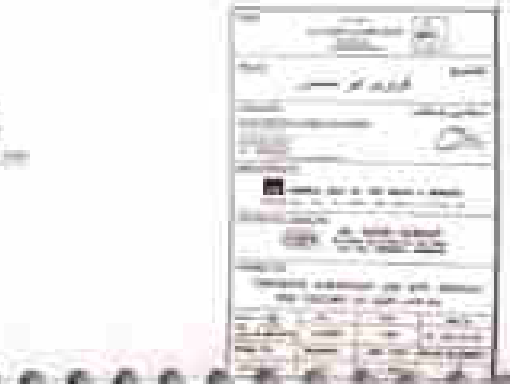




CONSULTING ENGINEERING OFFICE
Dr. Sabri Samaan
[illegible]



وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثالثة عشر

تنفيذ شركة النيل العامة للطرق والكباري

استكمال حصر الحديد لعمود A16-1

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.98	0.309
2	18	2.00	4	0.98	0.008
3	22	2.98	50	0.98	0.146
7	12	0.89	27	3.74	0.072
9	12	0.89	46	2.74	0.107
10	16	1.58	10	4.83	0.076
3*	12	0.89	36	1.2	0.039
3*	10	0.62	-36	1.2	-0.027
الاجمالي					0.731

استكمال حصر الحديد لعمود A16-2

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.22	0.056
2	18	2.00	4	0.12	0.001
3	22	2.98	50	0.22	0.016
7	12	0.89	2	3.74	0.007
9	12	0.89	4	2.74	0.010
10	16	1.58	1	4.83	0.008
3*	12	0.89	36	1.2	0.039
3*	10	0.62	-36	1.2	-0.027
الاجمالي					0.092

استكمال حصر الحديد لعمود A16-4

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.12	0.038
2	18	2.00	4	0.06	0.005
3	22	2.98	50	0.06	0.009
5	12	0.89	4	2.775	0.010
6	12	0.89	4	2.55	0.009
8	12	0.89	9	1.035	0.011
10	16	1.58	1	4.83	0.008
3*	12	0.89	36	1.2	0.038
3*	10	0.62	-36	1.2	-0.027
الاجمالي					0.099

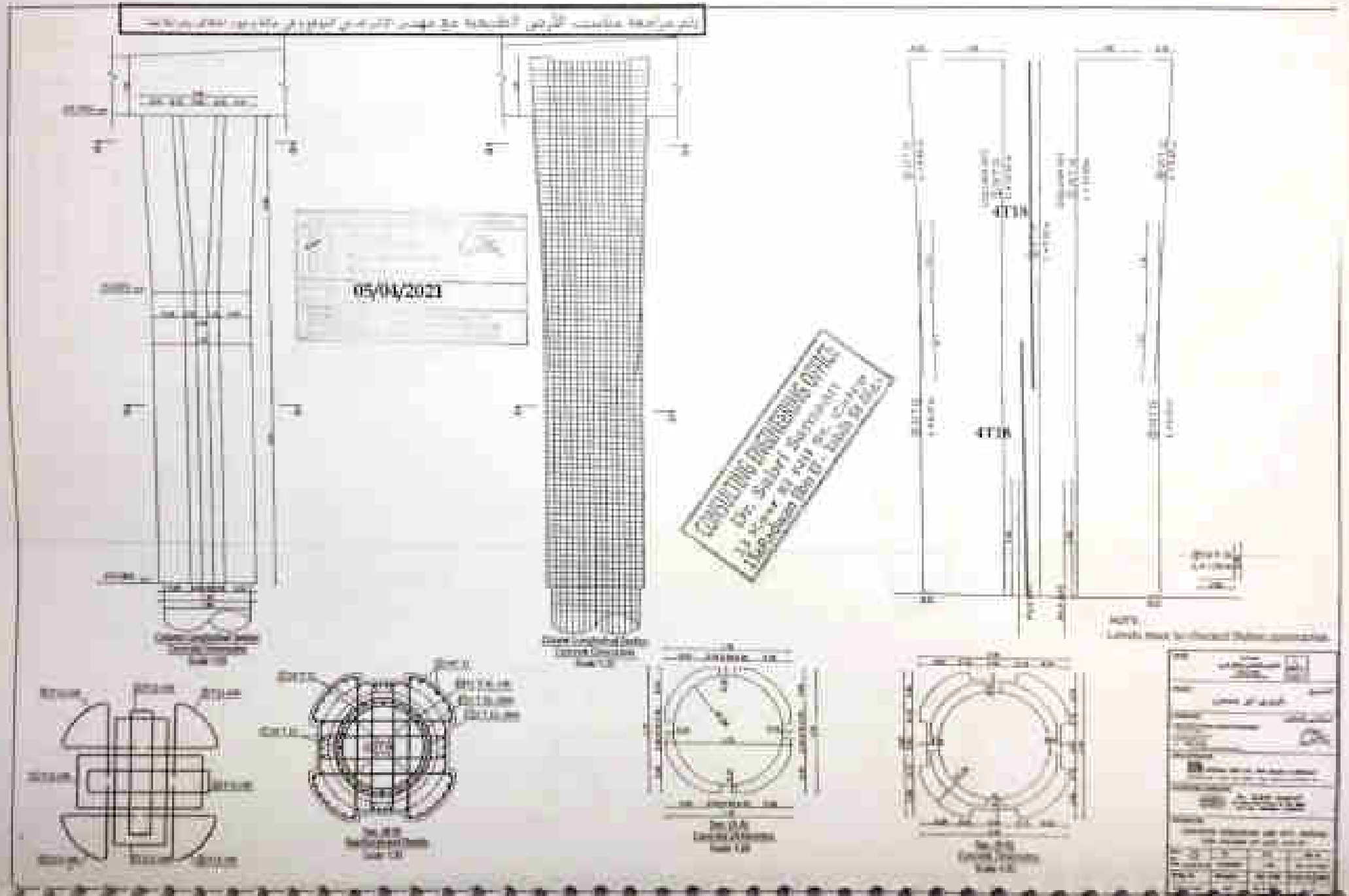
استكمال حصر الحديد لعمود A16-1

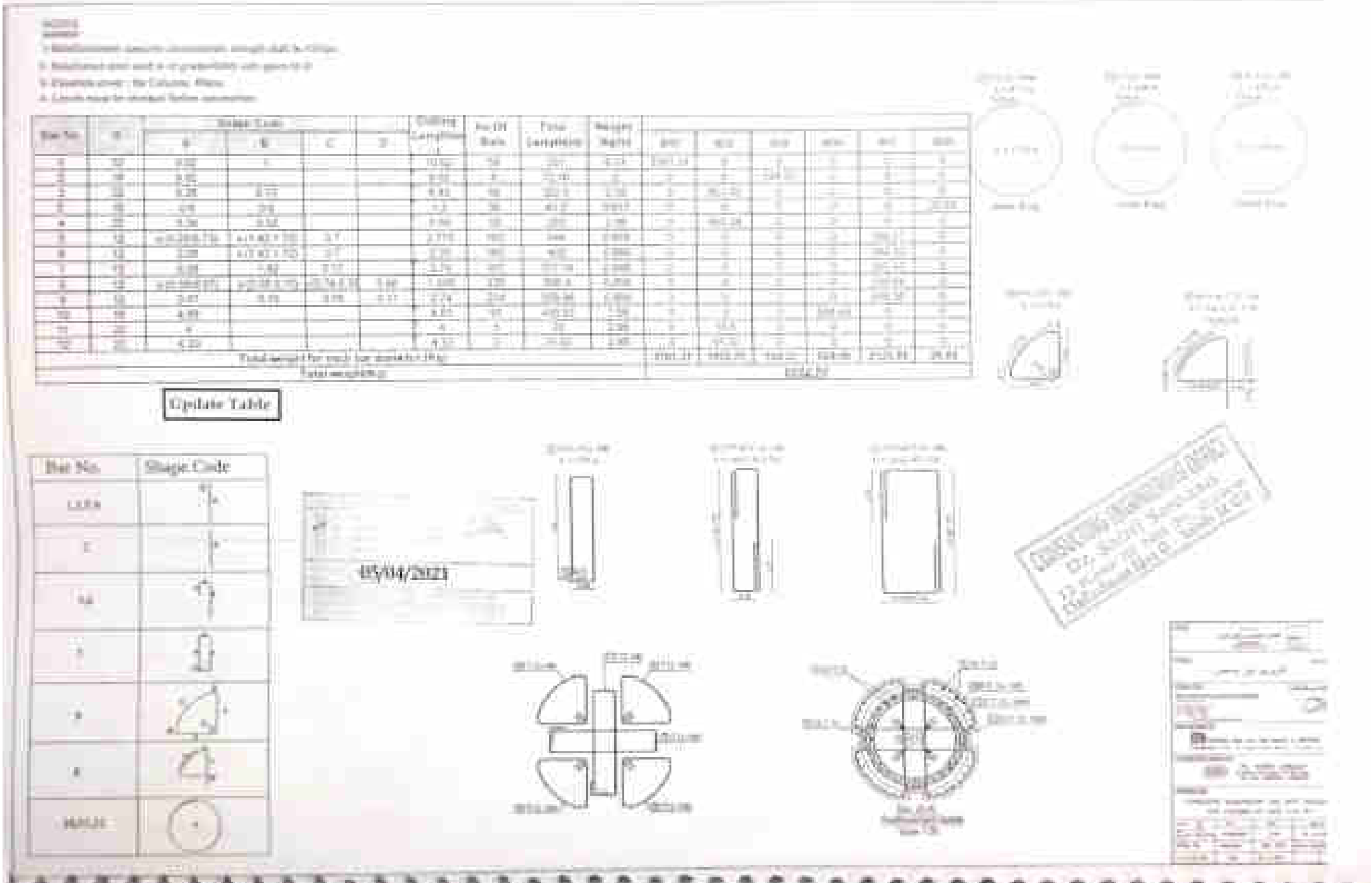
الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.42	0.332
2	18	2.00	4	0.42	0.003
3	22	2.98	50	0.42	0.063
7	12	0.89	20	3.74	0.066
9	12	0.89	40	2.74	0.097
10	16	1.58	4	4.83	0.030
3*	12	0.89	36	1.2	0.038
3*	10	0.62	-36	1.2	-0.027
الاجمالي					0.434

من الاستشاري

من الهيئة

من الشركة





Update Table

Bar No.	Shape Code
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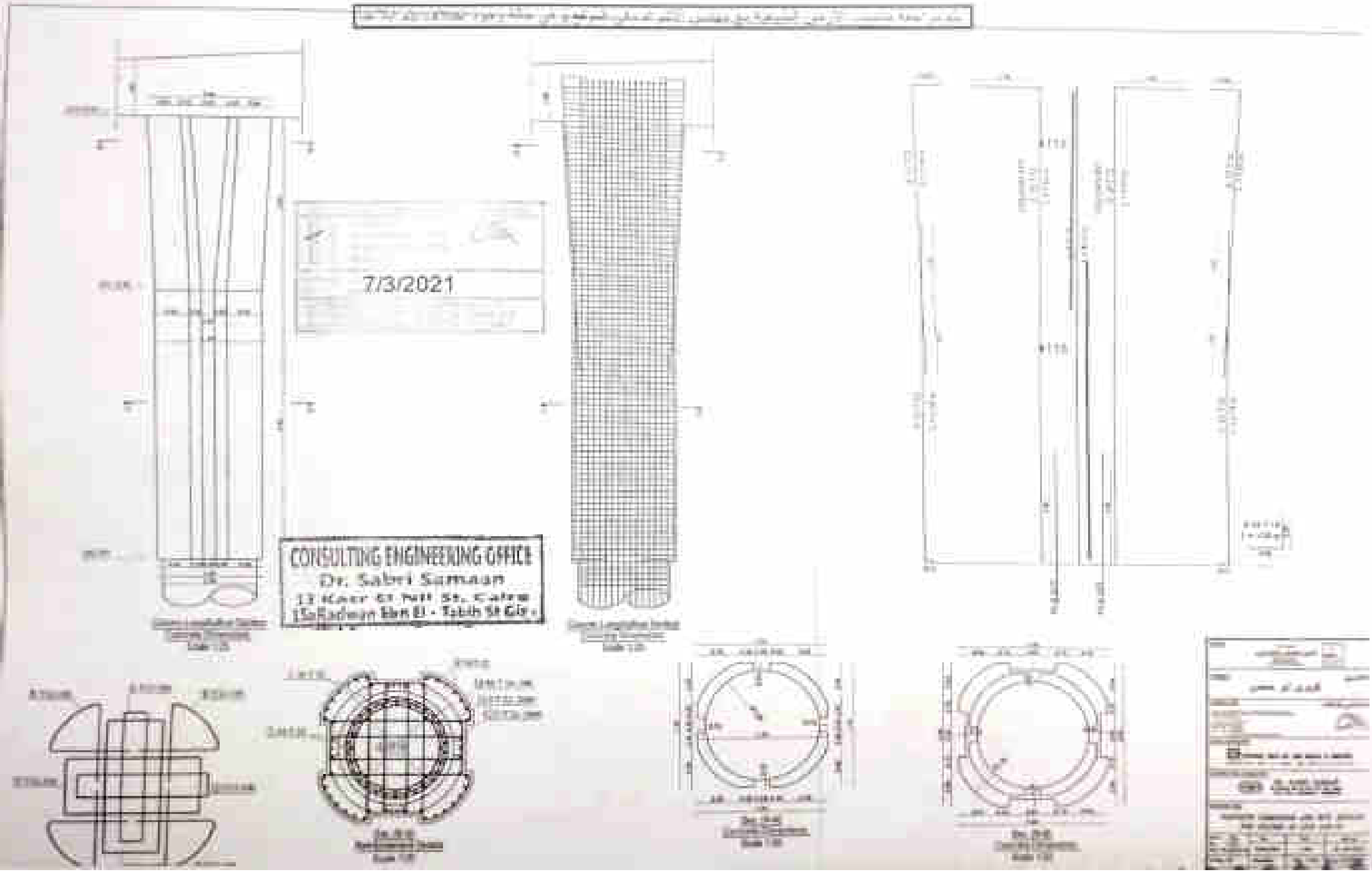
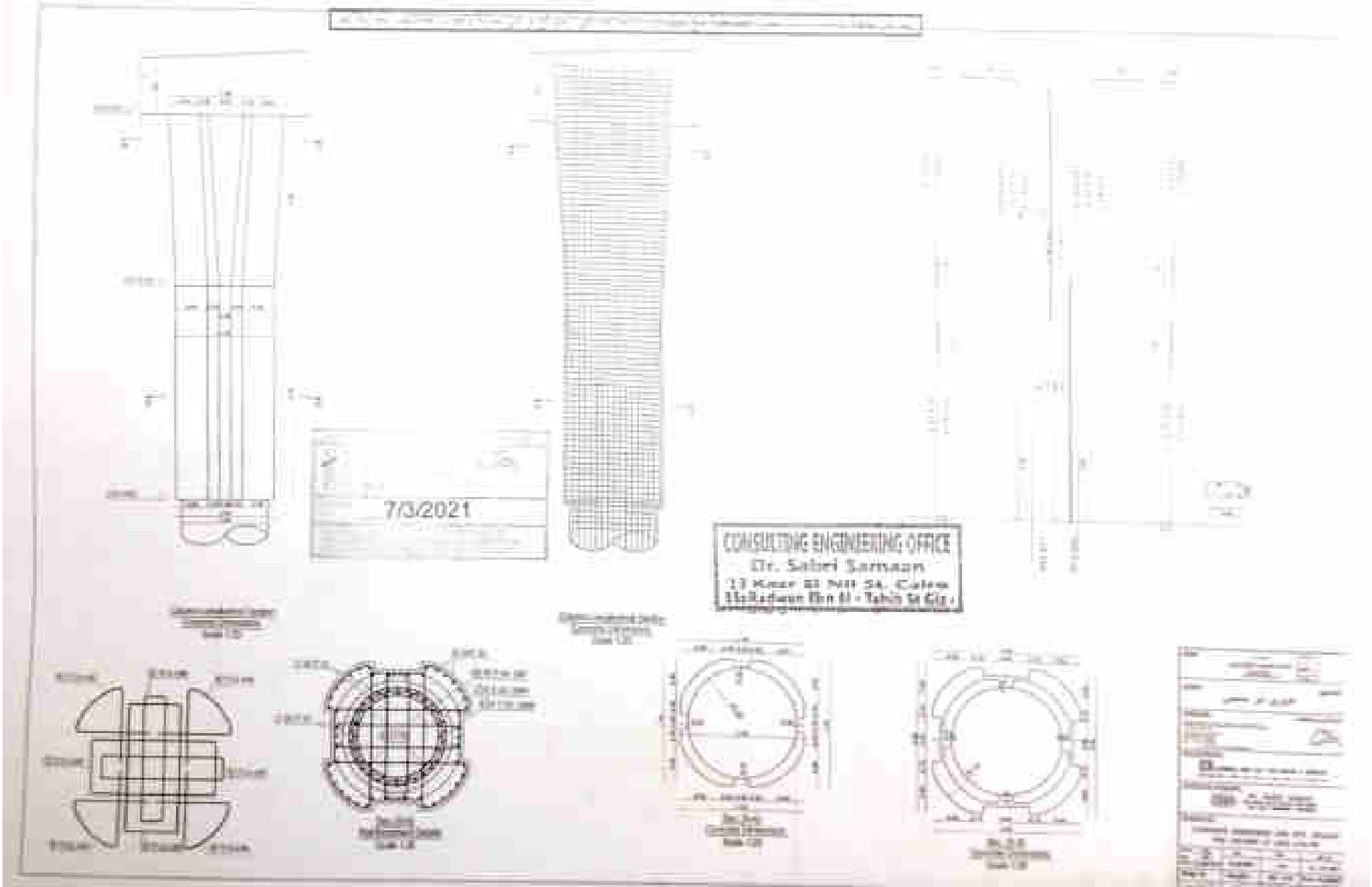
M	
T	
P	
E	
MANUAL	

05/04/2023





UPDATE TABLES

Bar No.	Shape Code
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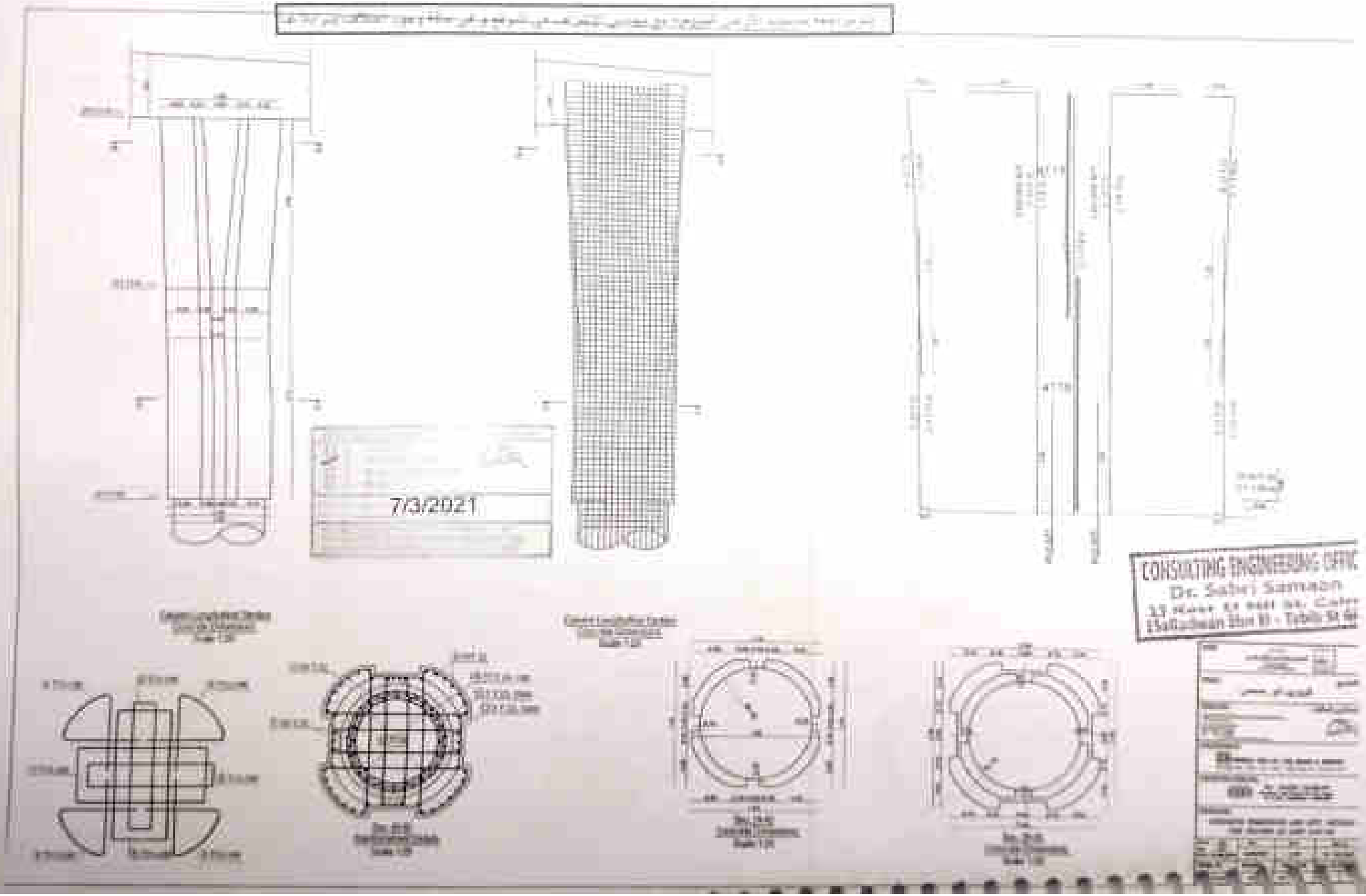
04	
7	
6	
5	
04/08	

7/3/2021

CONSULTING ENGINEERING OFFICE
Dr. Sabri Sarraj



UPDATE TABLES

Bar No.	Shape Code
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5	
14	
17	
6	
8	
19,20,21	

7/3/2021

CONSULTING ENGINEERING OFFICE
Dr. Salwi Samaan
23 Hassan El Maamoun St. Cairo
15 Salhadeen Ibn El - Tahir St. Giza

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المستقلة قانون عام

شركة الدين العامة للطرق والكباري

استكمال جسر جديد حولط و بلاحة المسيرق المرحلة الرابعة

رقم السيخ	القطر	الطول	العدد	وزن المتر الطولي	الوزن الكلي	الوزن بالطن
21*	12	4.27	360	0.89	1363.79	1.364
22*	12	4.27	358	0.89	1356.20	1.356
23*	12	4.27	358	0.89	1356.20	1.356
24*	12	12	648	0.89	6958.74	6.959
25*	12	2.1	36	0.89	67.07	0.067
26*	12	2	36	0.89	63.88	0.064
27*	12	1.6	36	0.89	51.10	0.051
28*	12	2.25	36	0.89	71.86	0.072
29*	12	2	36	0.89	63.88	0.064
30*	12	2.1	36	0.89	67.07	0.067
31*	12	4.27	363	0.89	1363.79	1.364
32*	12	4.27	360	0.89	1353.19	1.364
33*	12	4.27	360	0.89	1353.19	1.364
			الإجمالي			15.955

من الشركة

من الاستشاري

من الجهة

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثالثة عشر

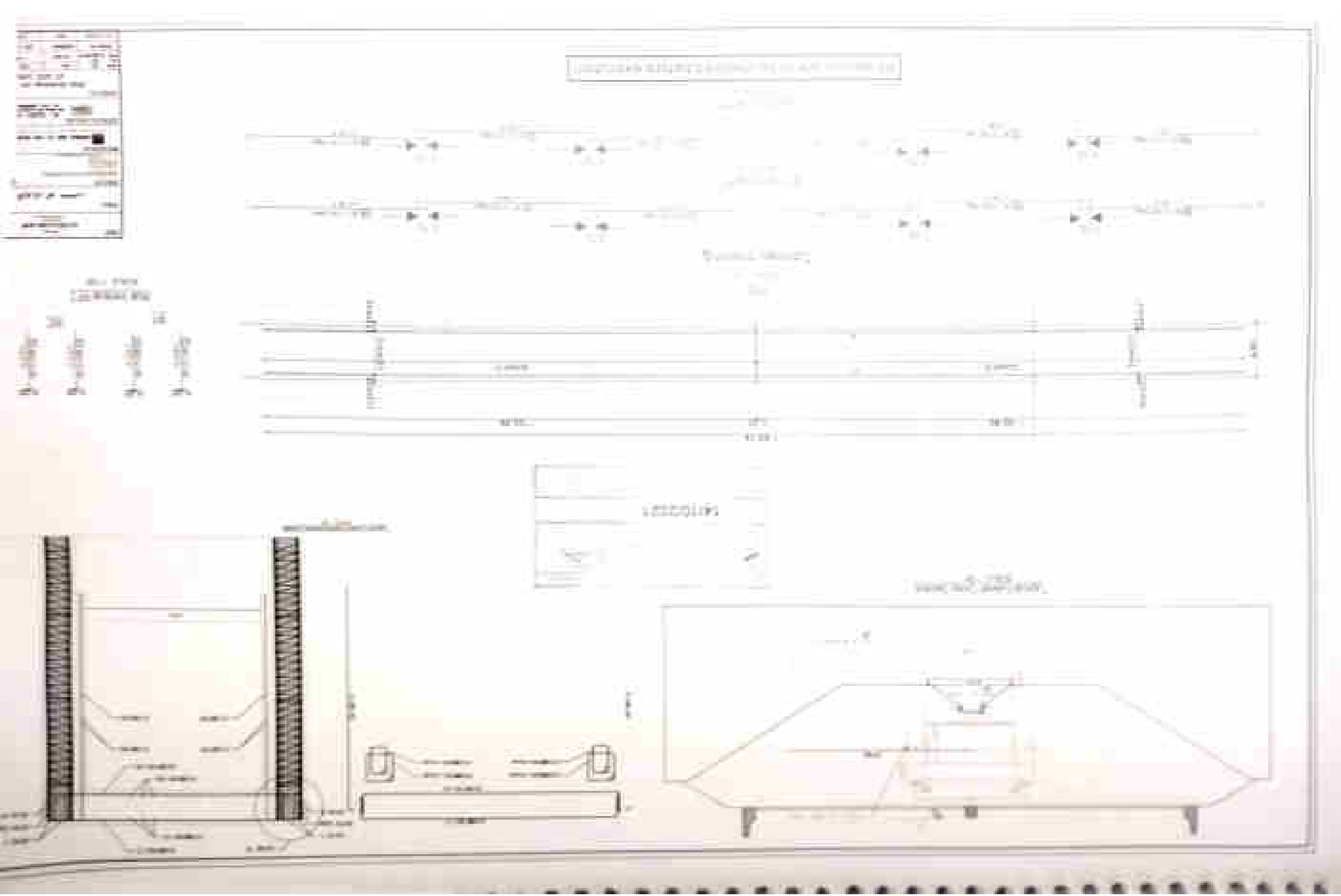
تنفيذ شركة النيل العامة للطرق والكباري

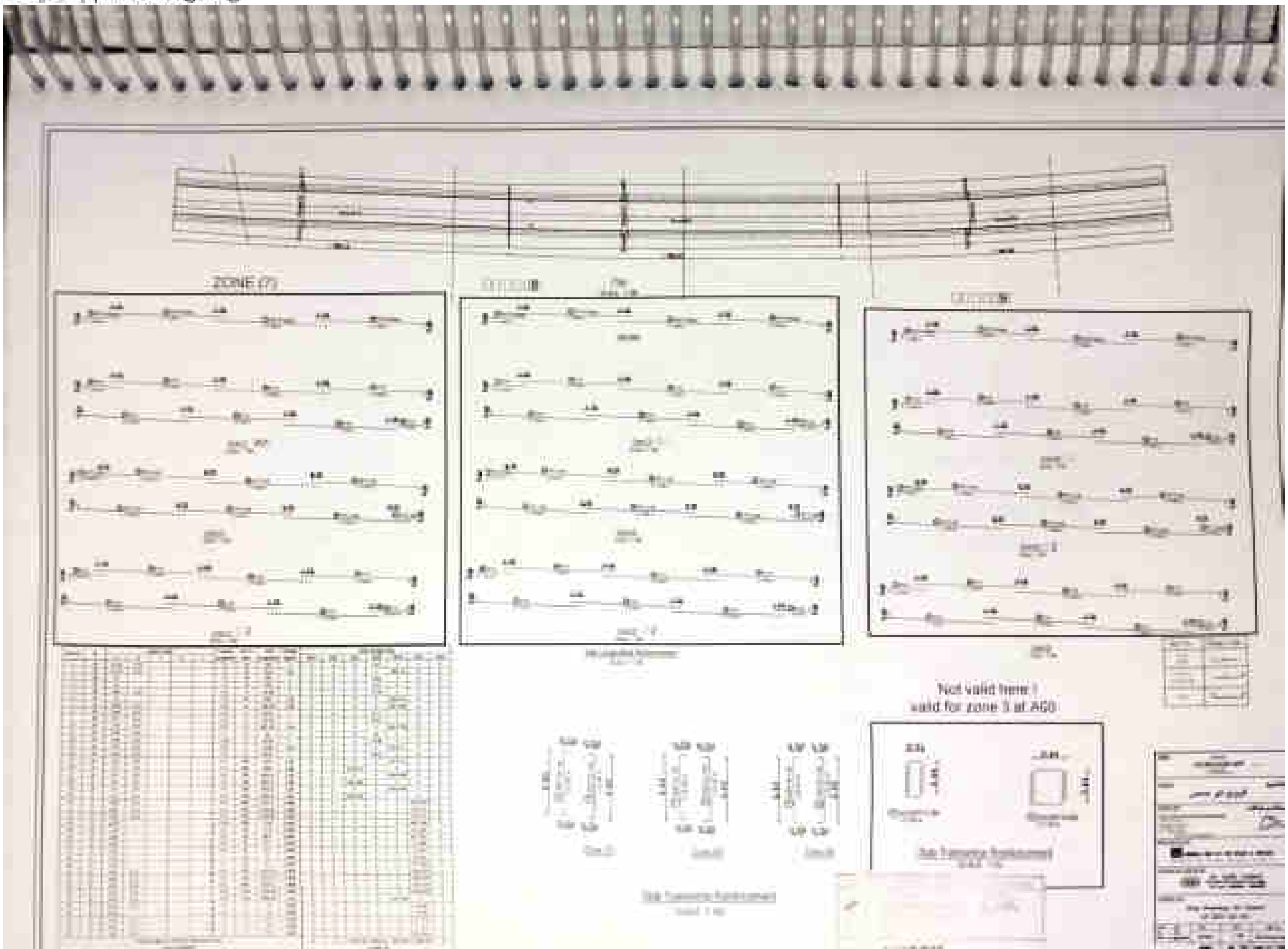
استكمال حصر جديد حوائط و بلاطة المصرف المرحلة الثالثة						
رقم البلوك	القطر	الطول	العدد	وزن المتر الطولي	الوزن الكلي	الوزن بالطن
9*	12	12	288	0.89	3066.11	3.07
10*	12	10.11	72	0.89	645.80	0.65
11*	12	10.22	72	0.89	652.83	0.65
12*	12	4.27	718	0.89	2719.98	2.72
13*	12	4.27	721	0.89	2731.35	2.73
الإجمالي						9.82

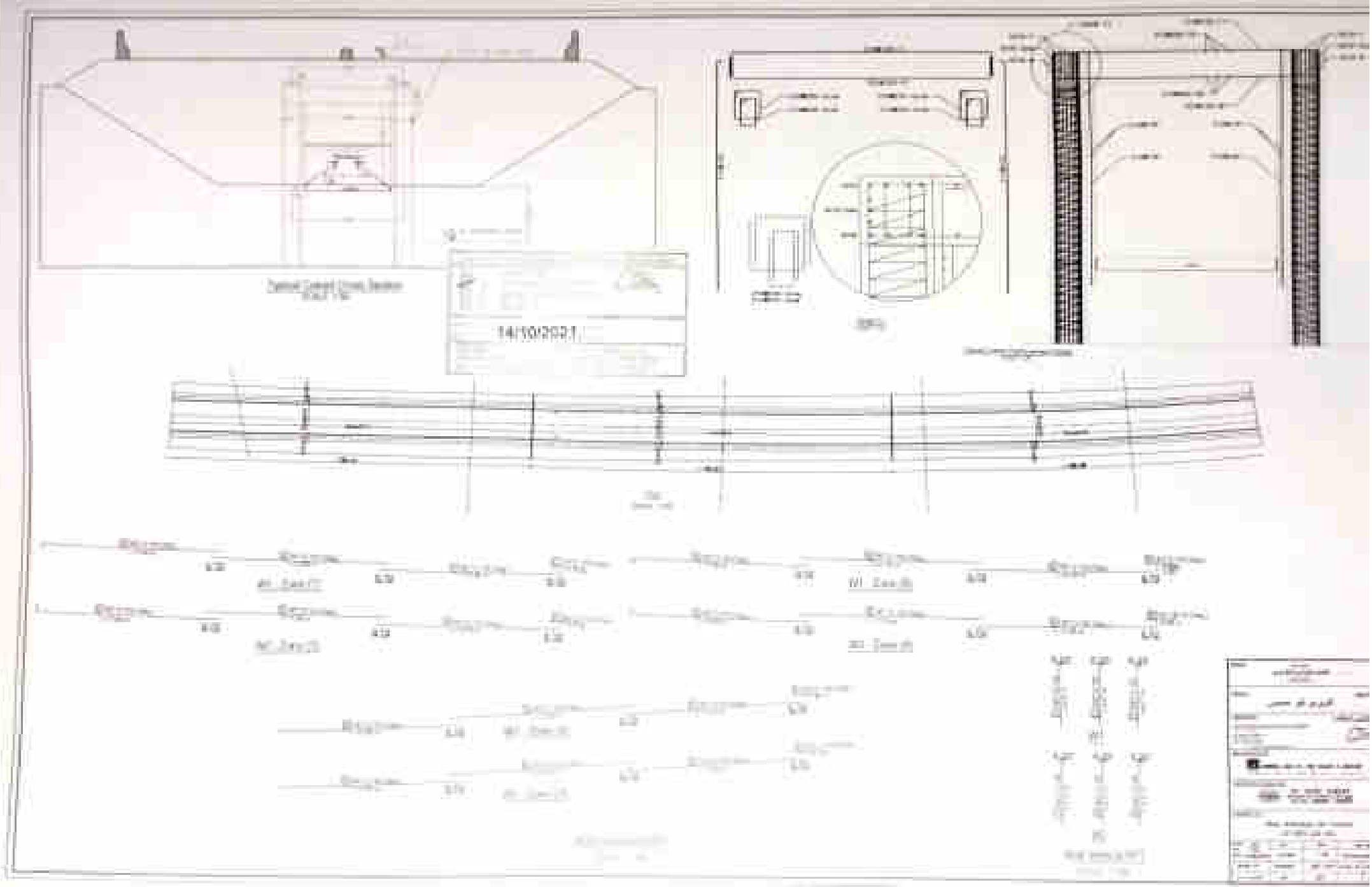
عن المقاولة

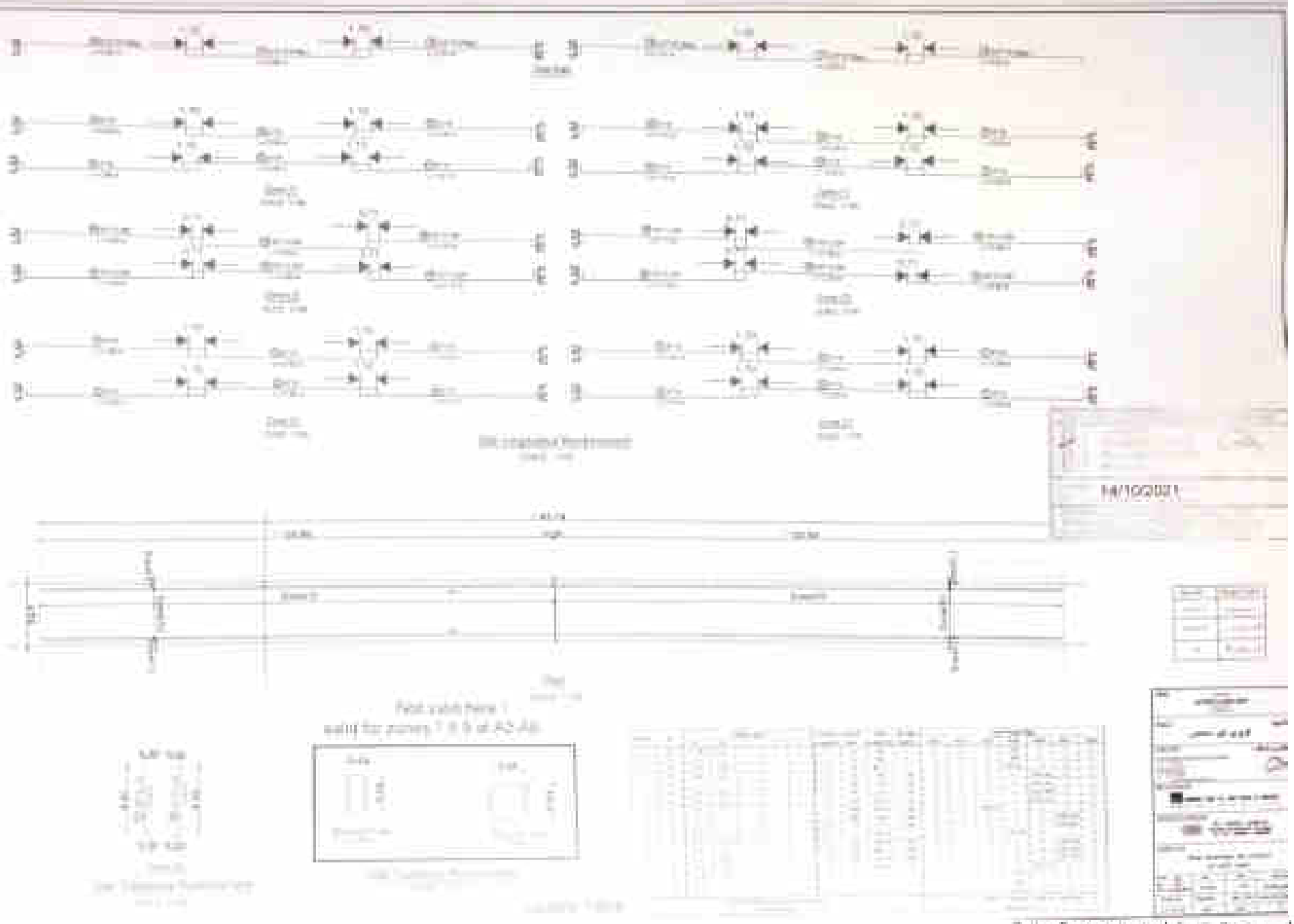
عن الاستشاري

عن الهيئة









وزارة النقل
الهيئه العامه للطرق و الكباري
الهيئه العامه للطرق و الكباري المنطقه الثالثه عشر

تنفيذ:شركة النيل العامة للطرق والكباري

استكمال حصر حديد بلاطه A12-14						
رقم السيخ	القطر	الطول	العدد	وزن المتر الطولي	الوزن الكلي	الوزن بالطن
3	32	12	28	6.31	2119.78	2.12
68	18	2.4	10	2.00	47.91	0.05
120	18	4.88	10	2.00	97.41	0.10
127	32	11	39	6.31	2706.50	2.71
129	32	6	26	6.31	984.18	0.98
130	22	5.84	26	2.98	452.78	0.45
134	16	3.2	2	1.58	10.09	0.01
141	32	11.2	39	6.31	2755.71	2.76
الاجمالي						9.17

عن الشركة

عن الاستشاري

عن الهيئة

وزارة النقل
الهيئه العامه للطرق و الكباري
الهيئه العامة للطرق و الكباري المنطقه الثالثه عشر

تنفيذ:شركة النيل العامة للطرق والكباري

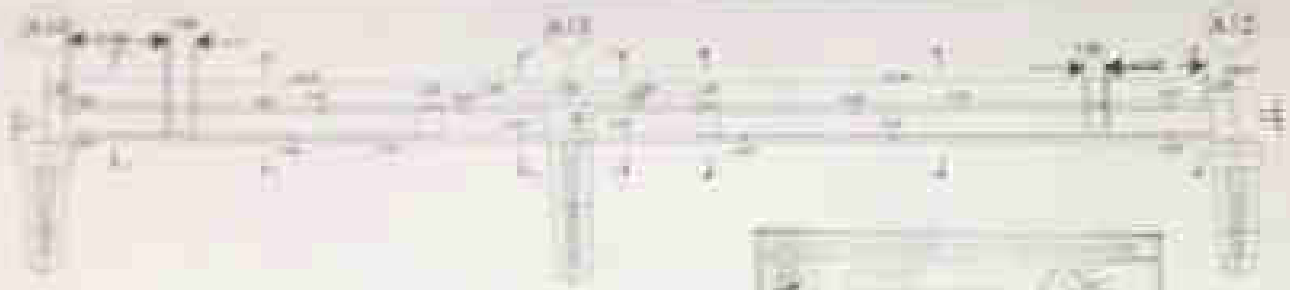
استكمال حصر حديد بلاطه A14-16

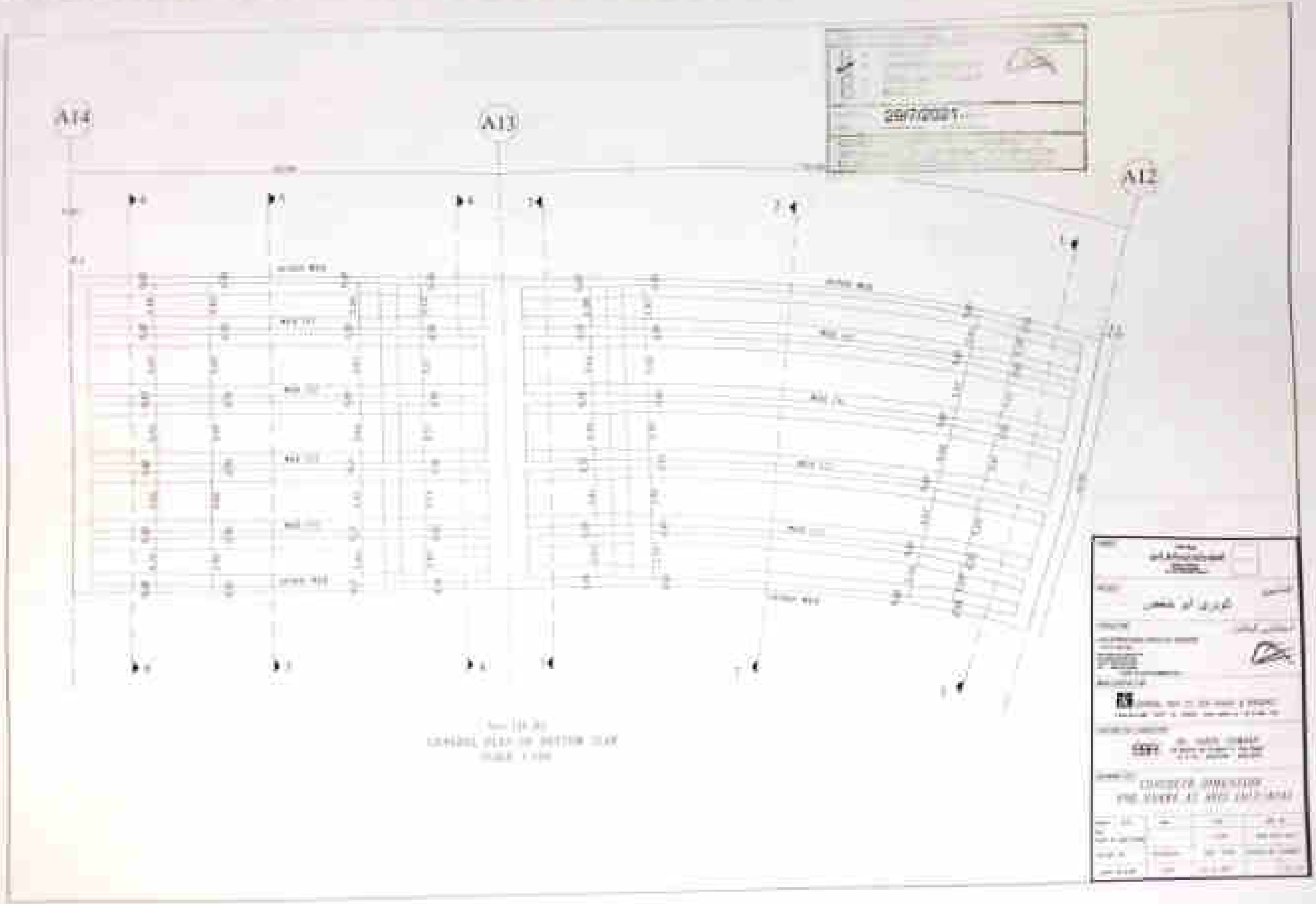
رقم السيخ	القطر	الطول	العدد	وزن المتر الطولي	الوزن الكلي	الوزن بالطن
10	22	12	18	2.98	644.10	0.64
11	22	6	12	2.98	214.70	0.21
11a	22	8.75	6	2.98	156.55	0.16
12	16	12	24	1.58	454.24	0.45
12-	22	12	12	2.98	429.40	0.43
13	16	9	24	1.58	340.68	0.34
30	18	3	60	2.00	359.31	0.36
57	16	2.24	64	1.58	226.11	0,23
58	16	4	64	1.58	403.77	0.40
الاجمالي						3.23

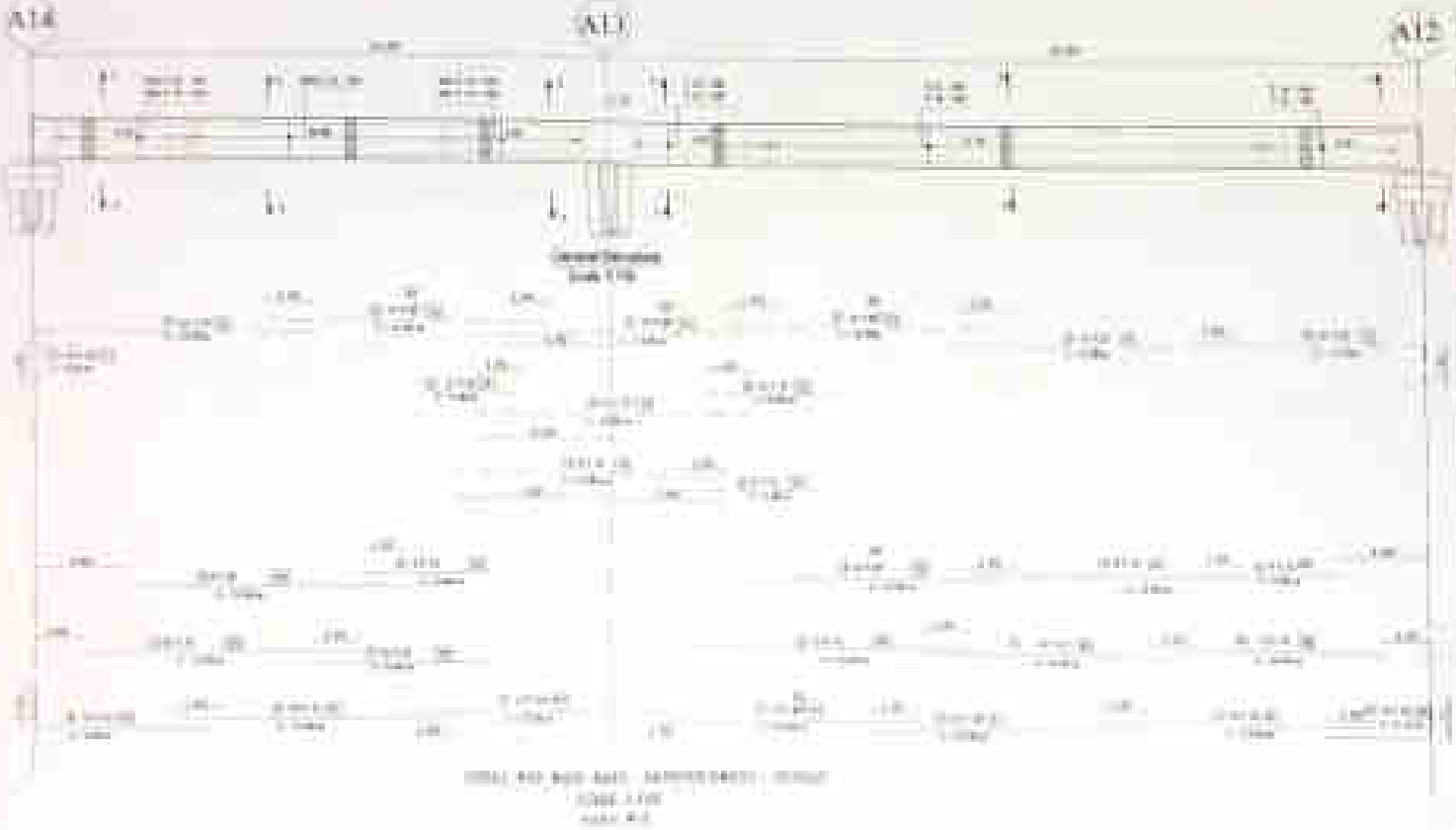
عن الشركة

عن الاستشاري

عن الهيئة







Zone	Section (1)	Section (2)	Section (3)
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[illegible]	[illegible]	[illegible]	[illegible]
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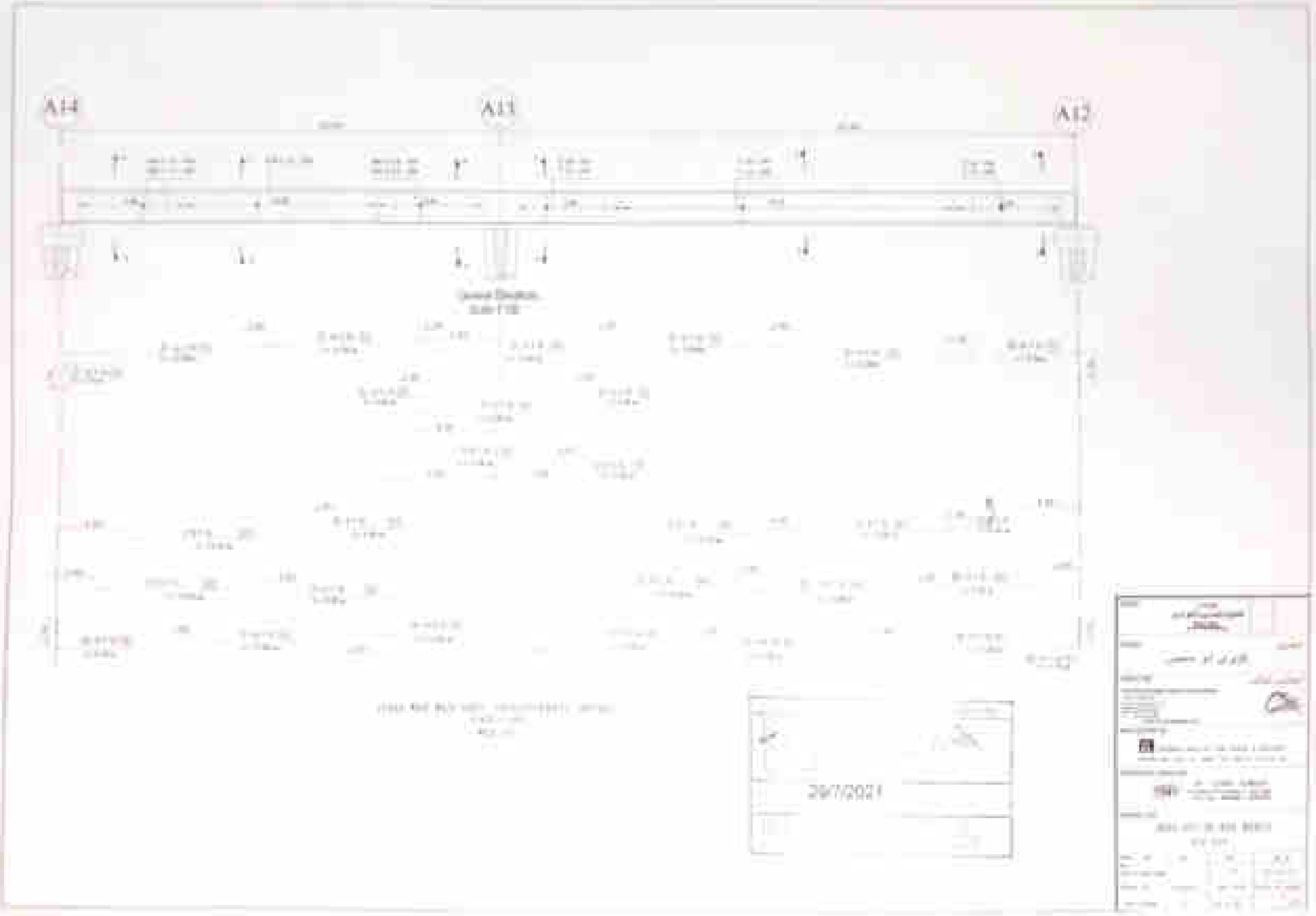
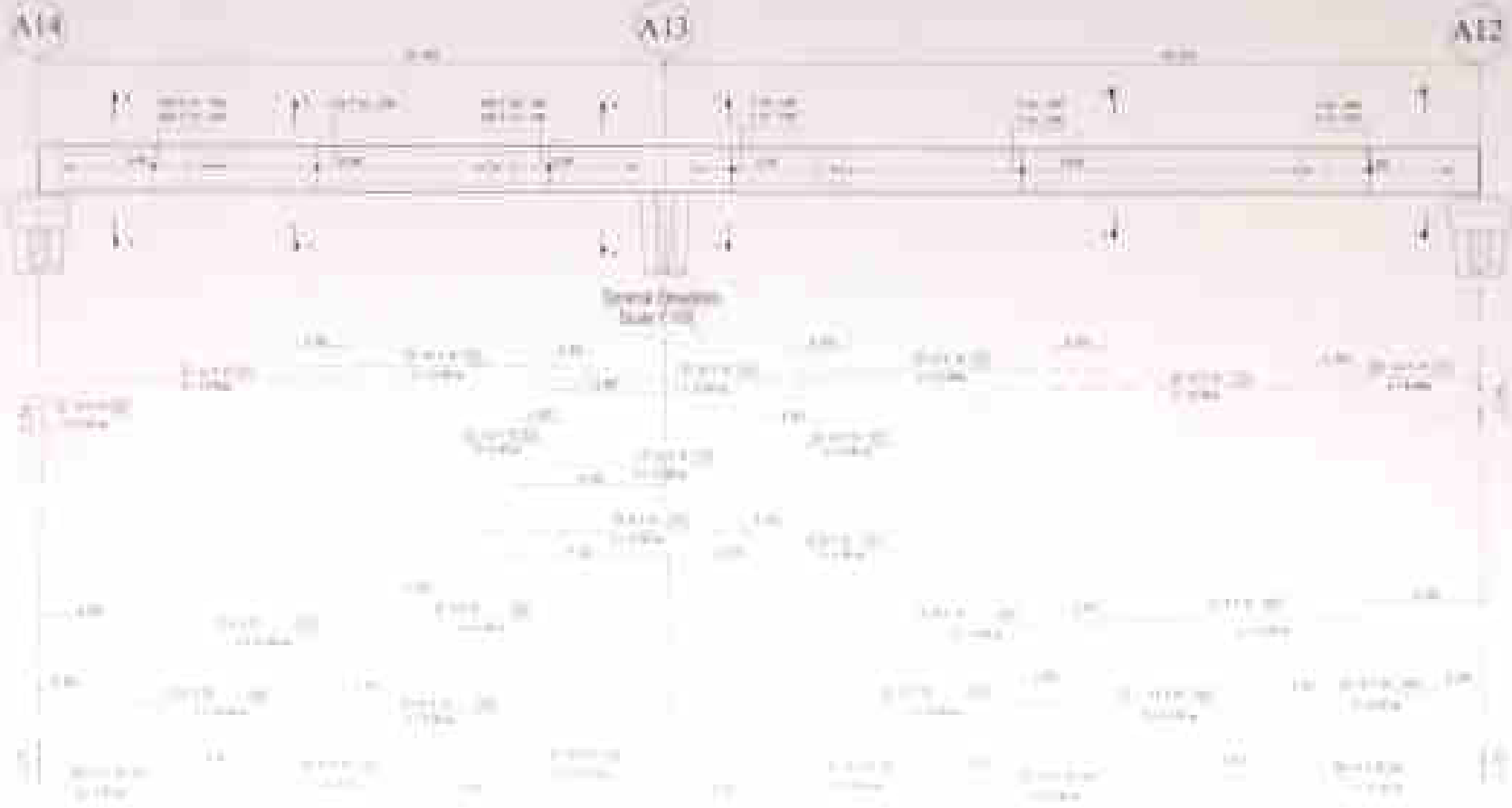
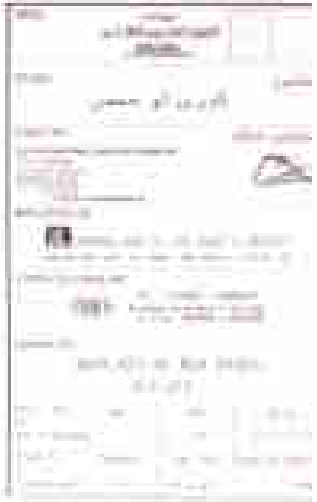
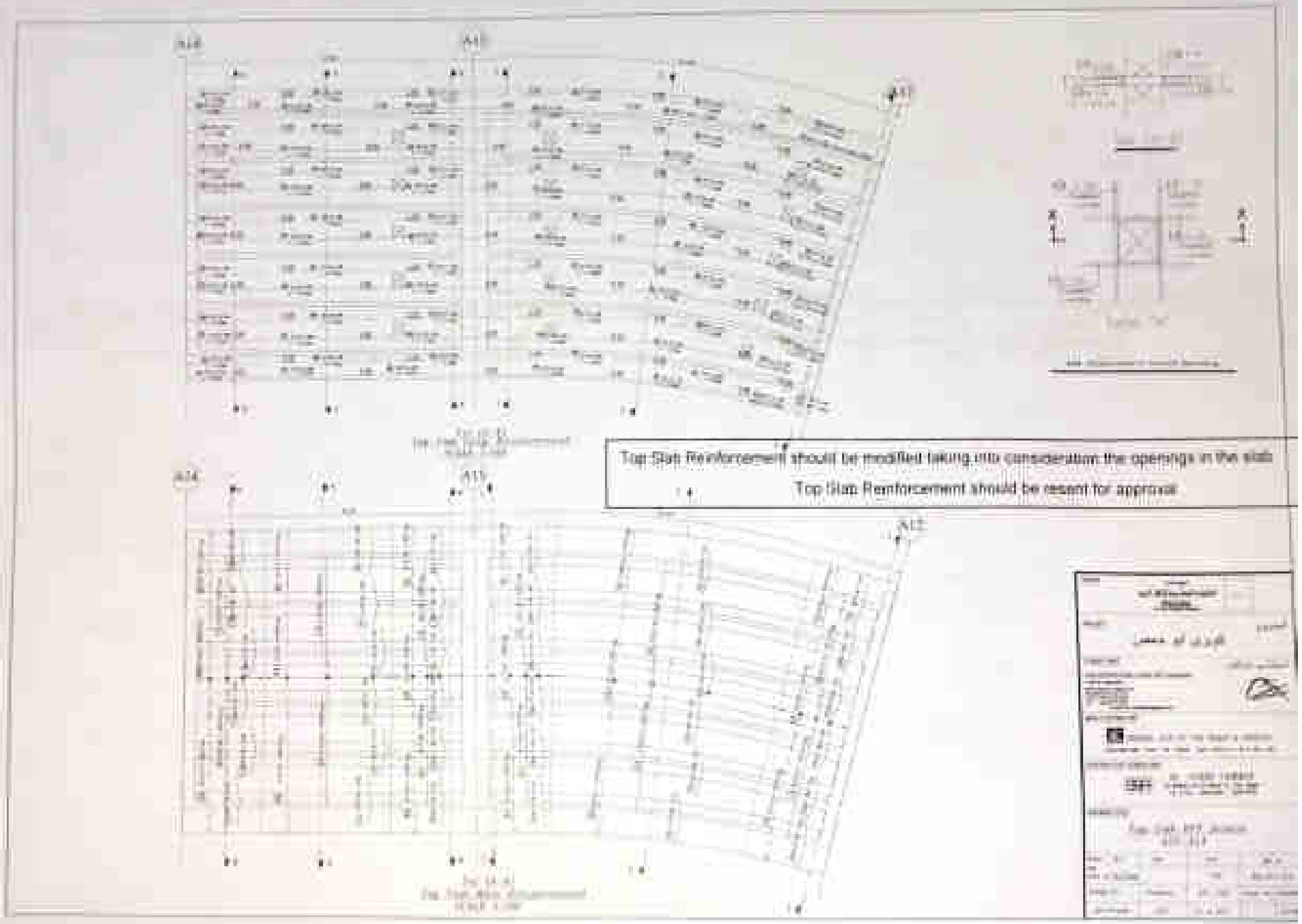
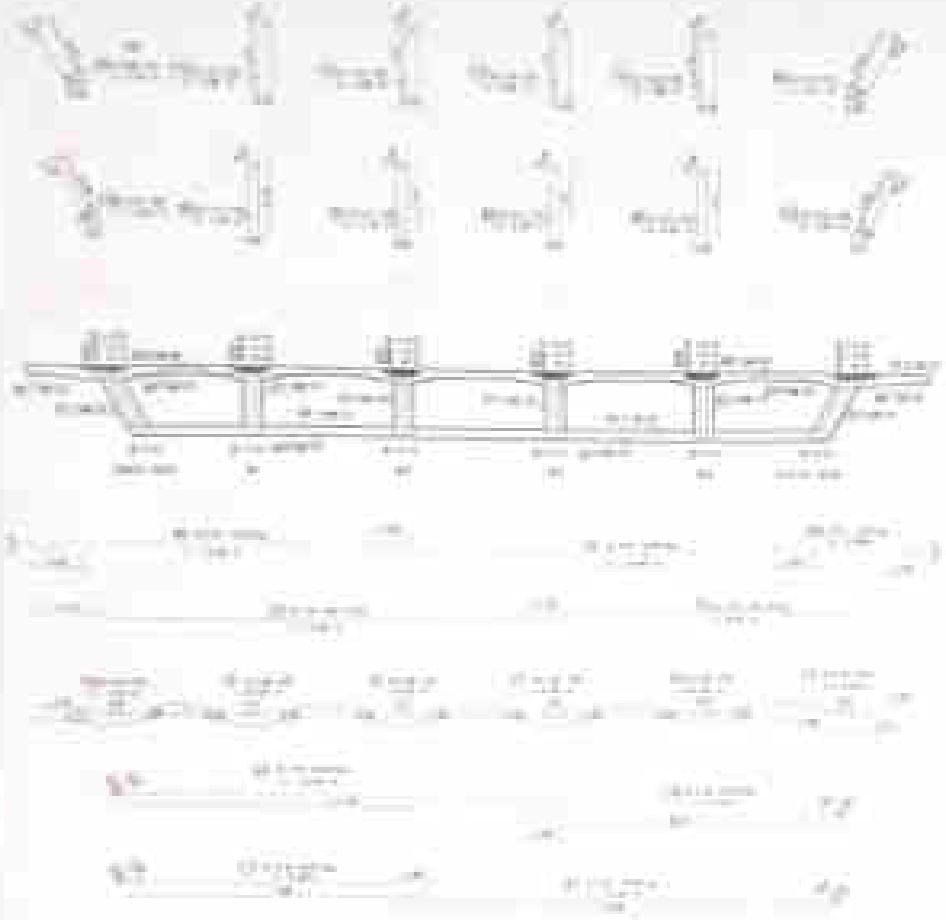
29/7/2021

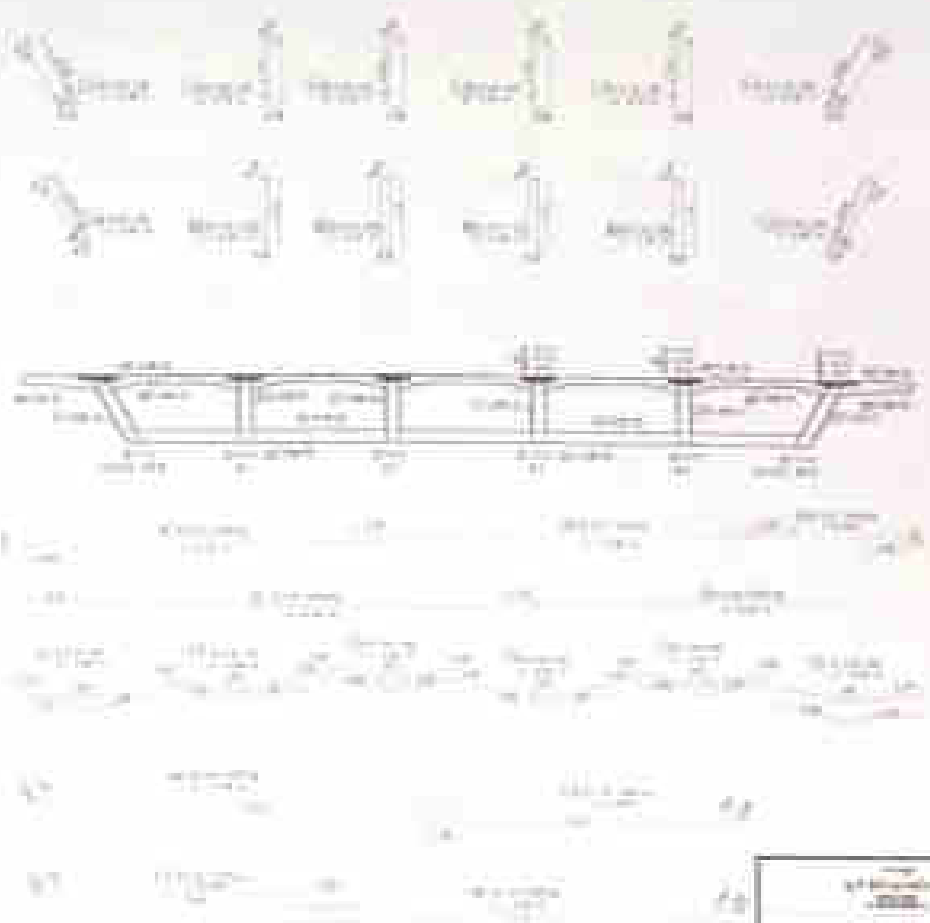




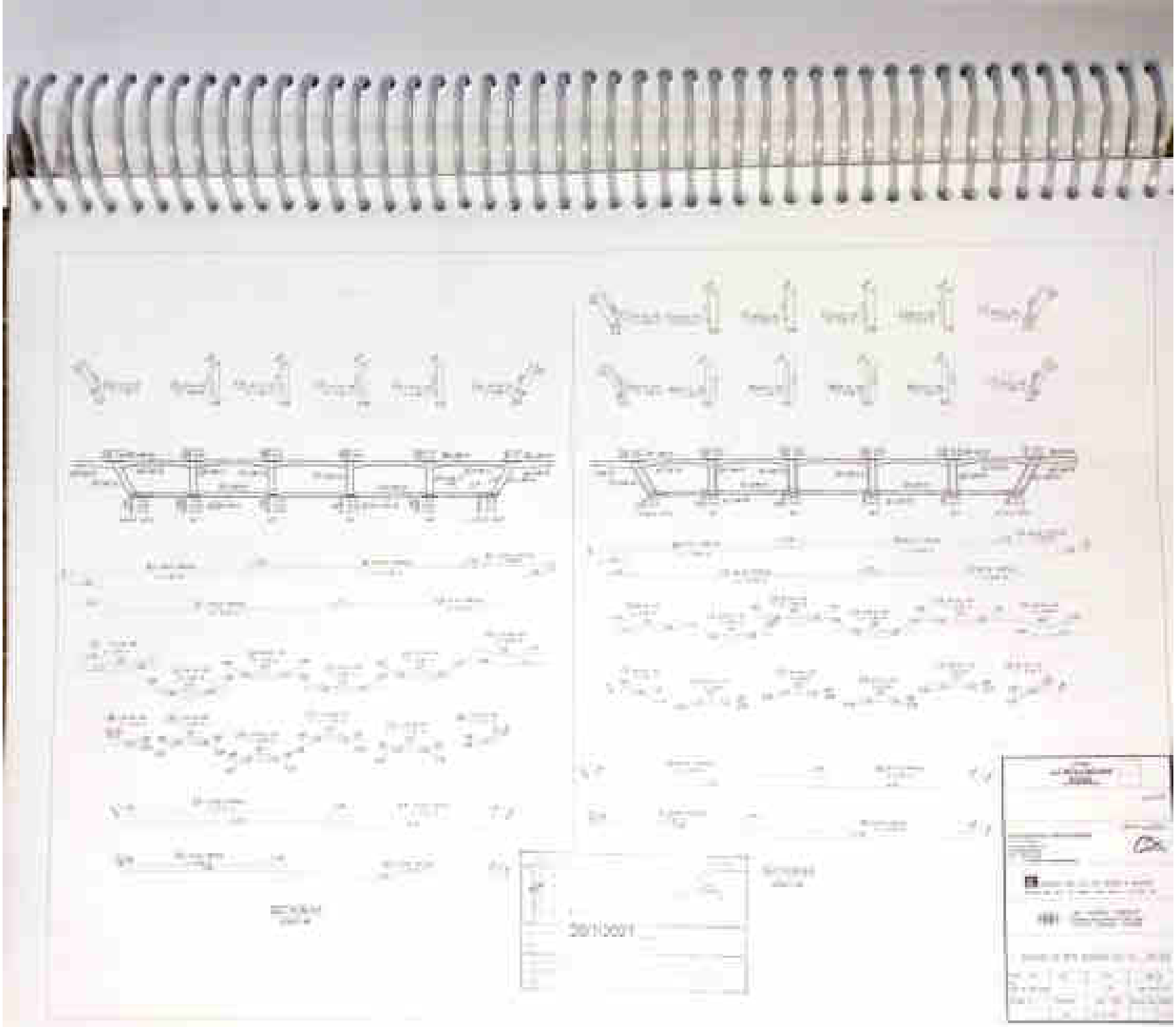


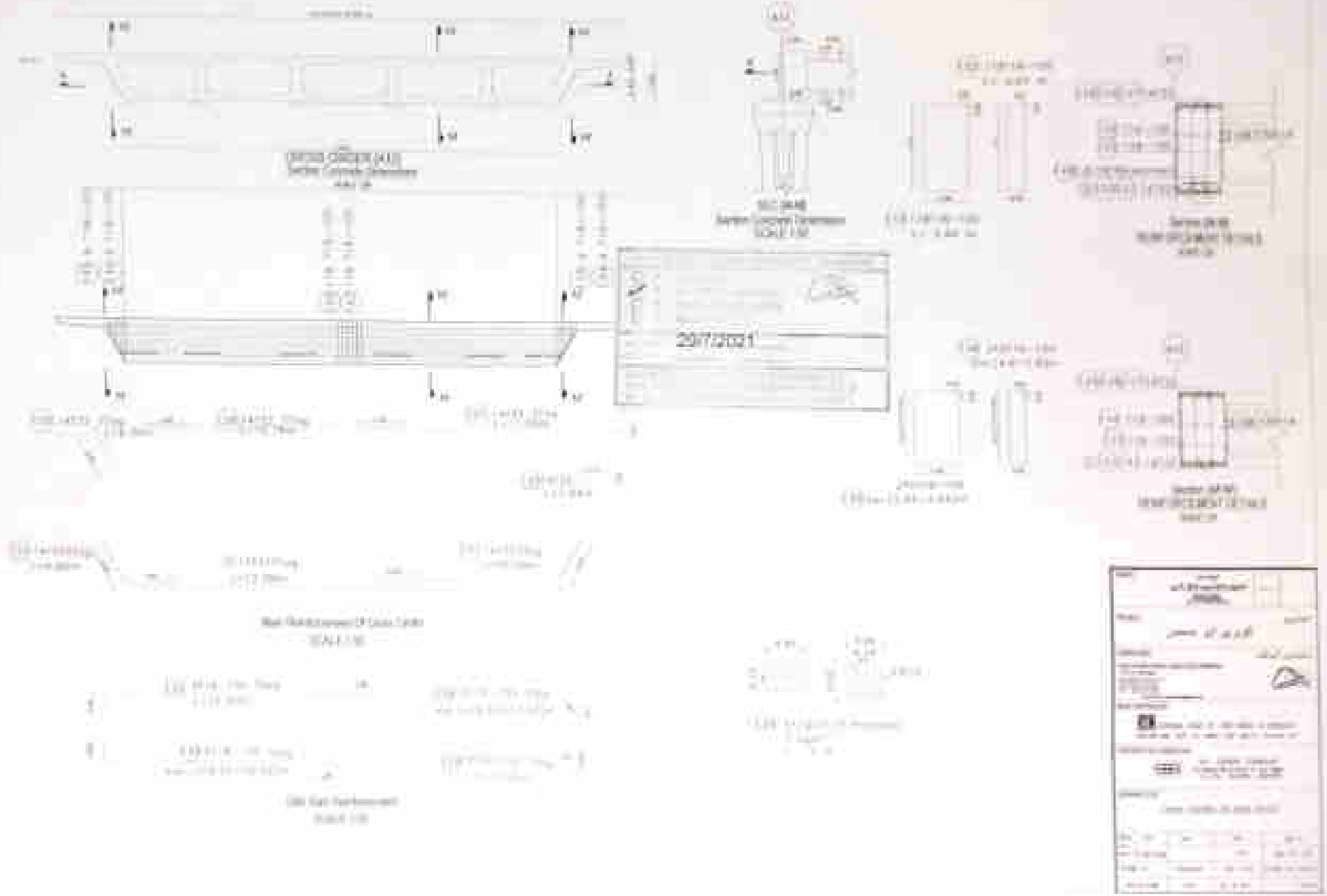


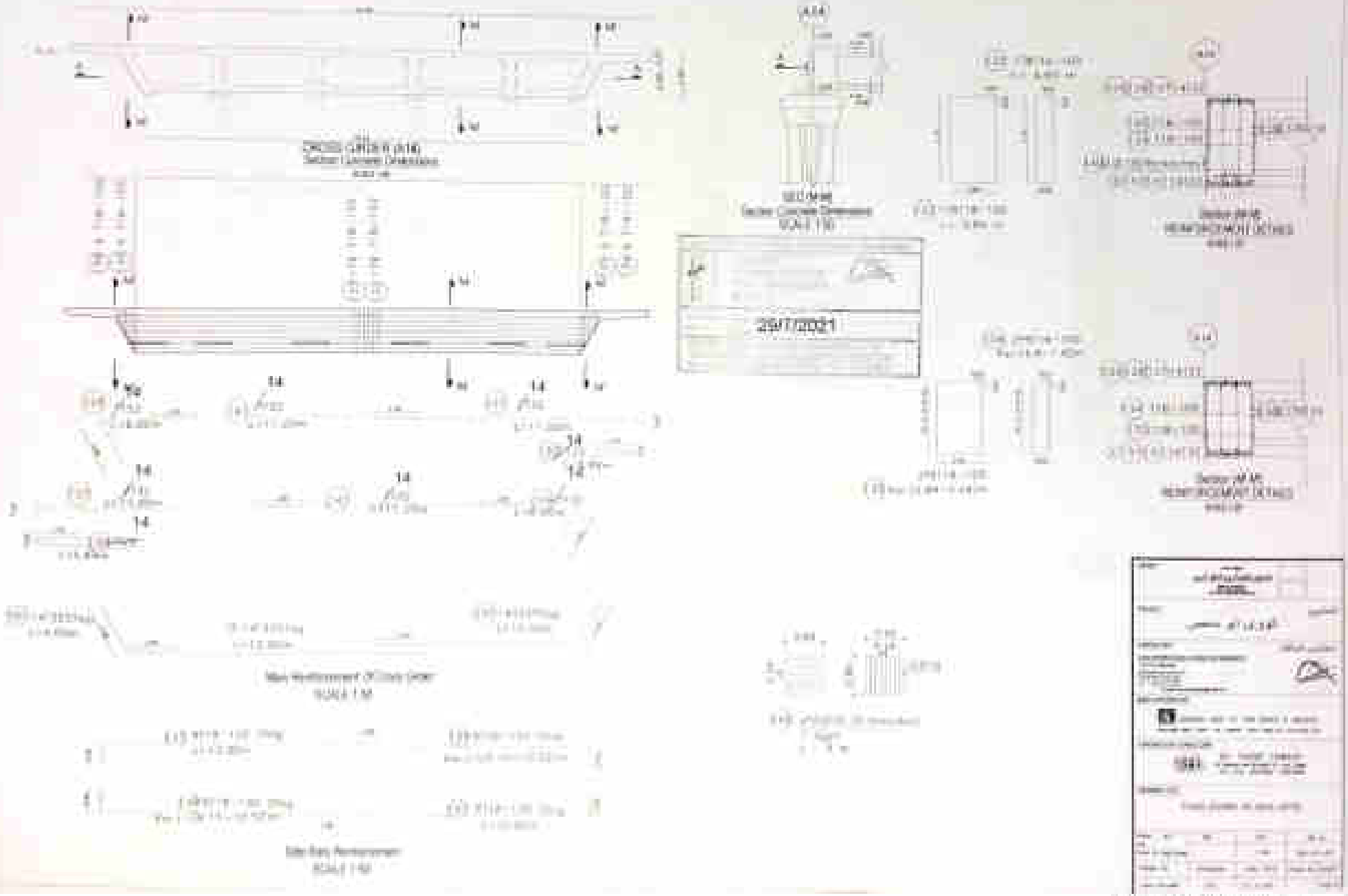




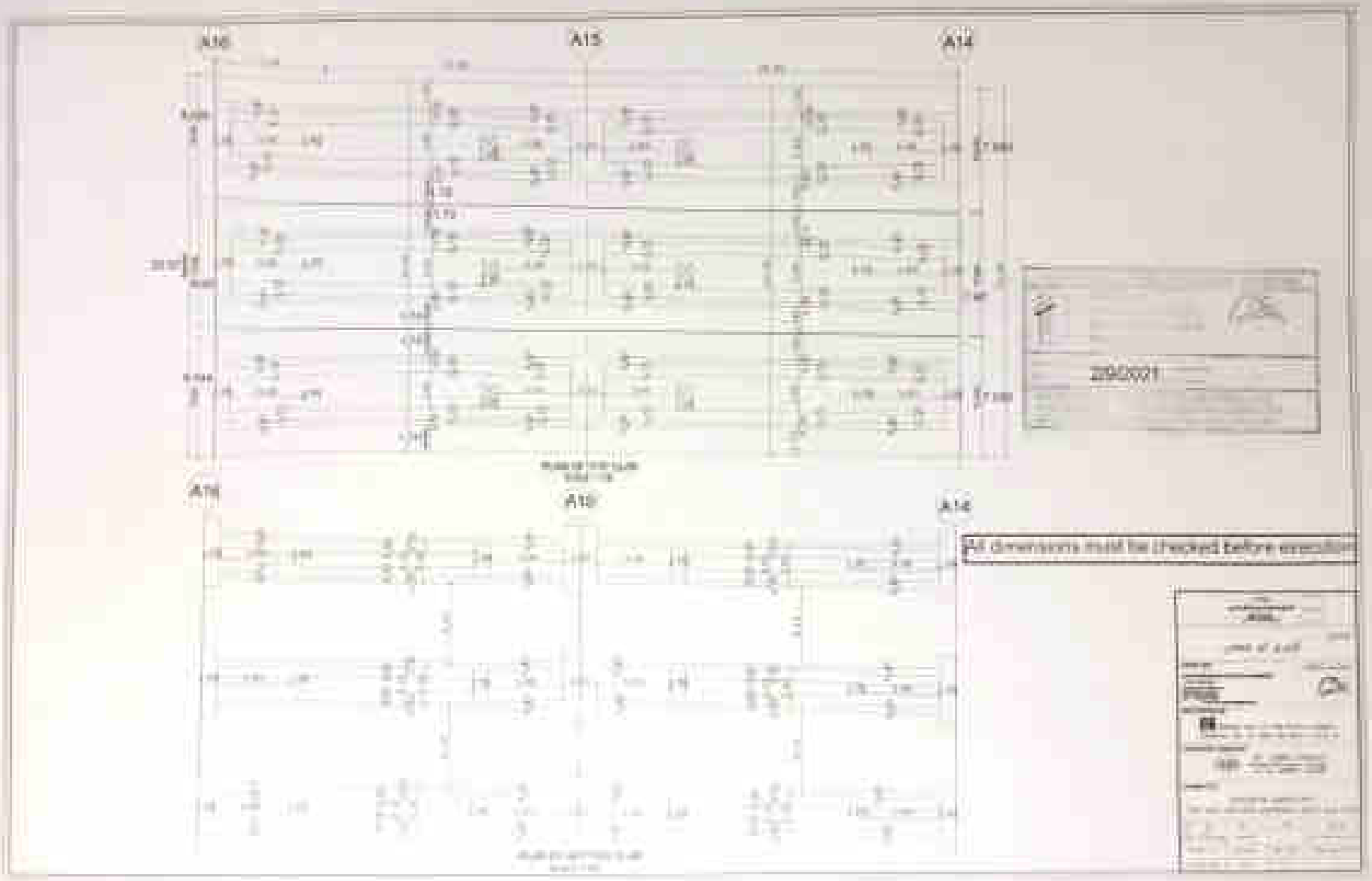
25/7/2021

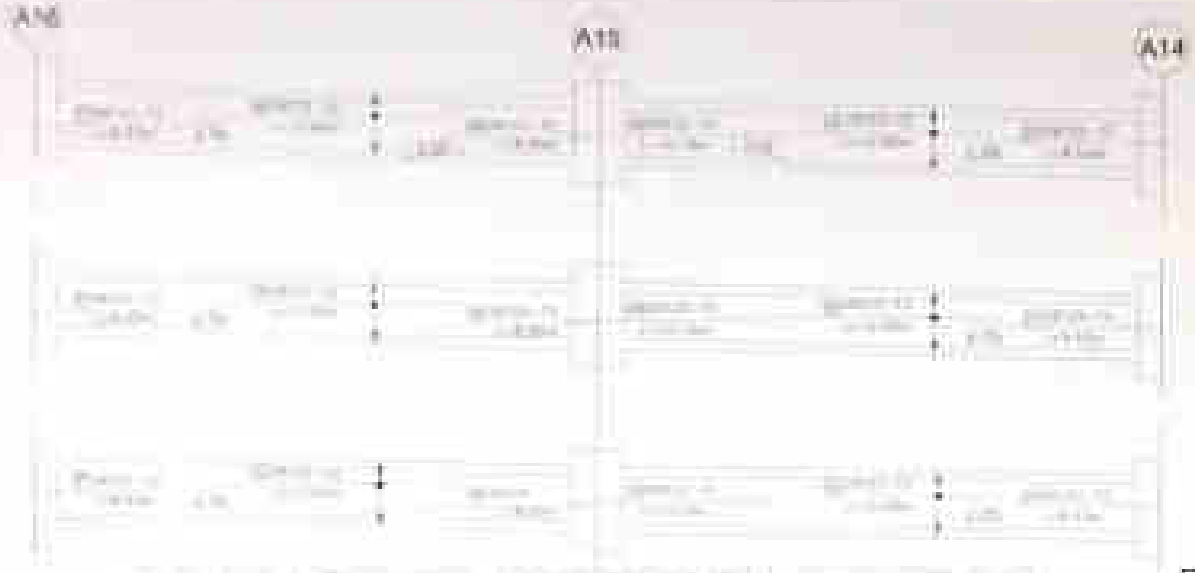




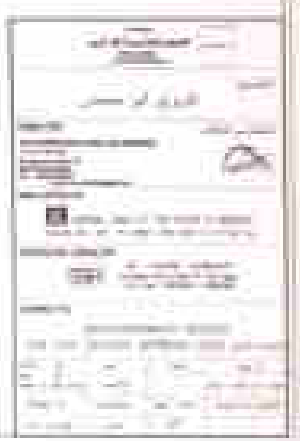


update tables





All spacing of bottom slab reinforcement = 100mm



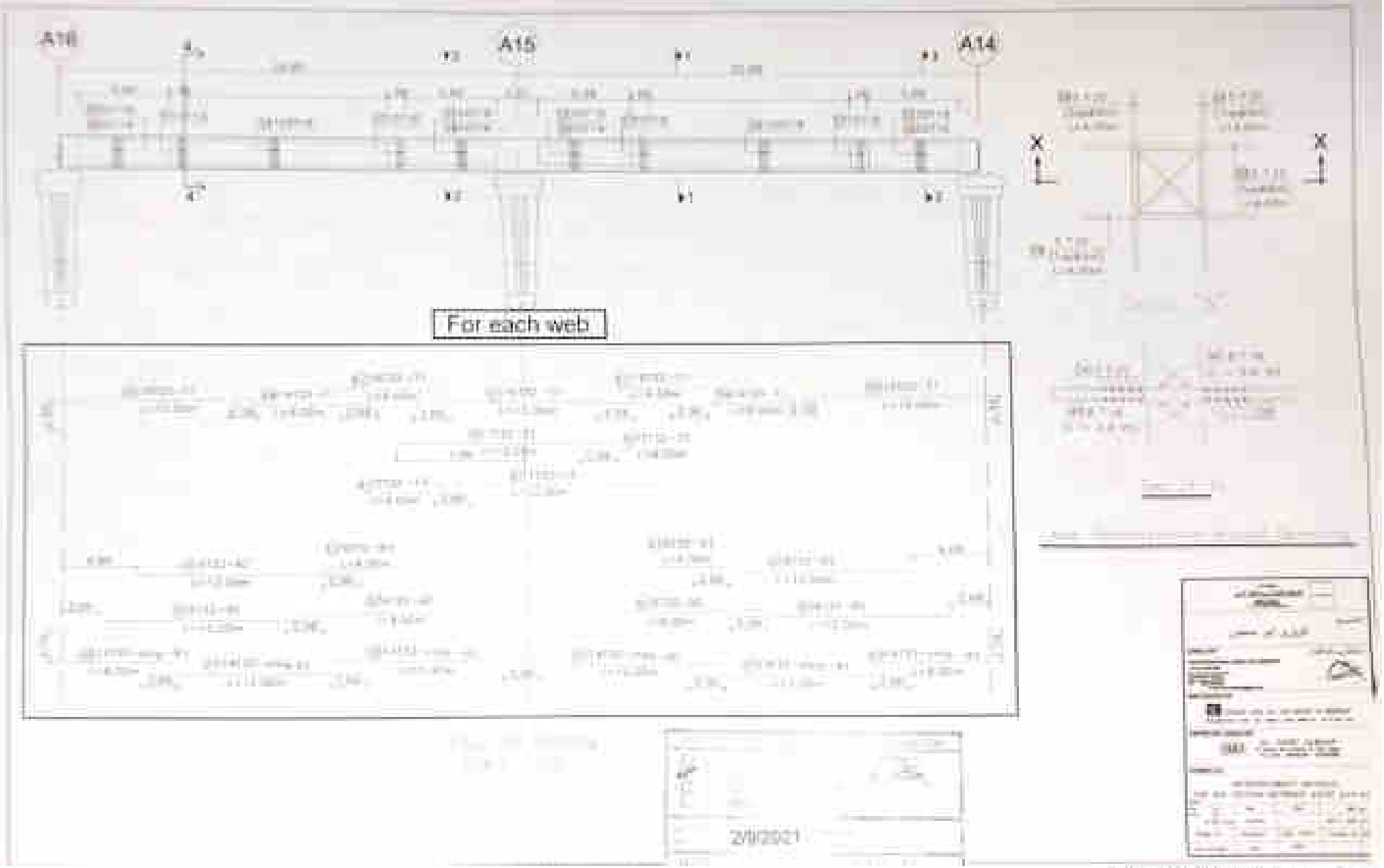
29/2021

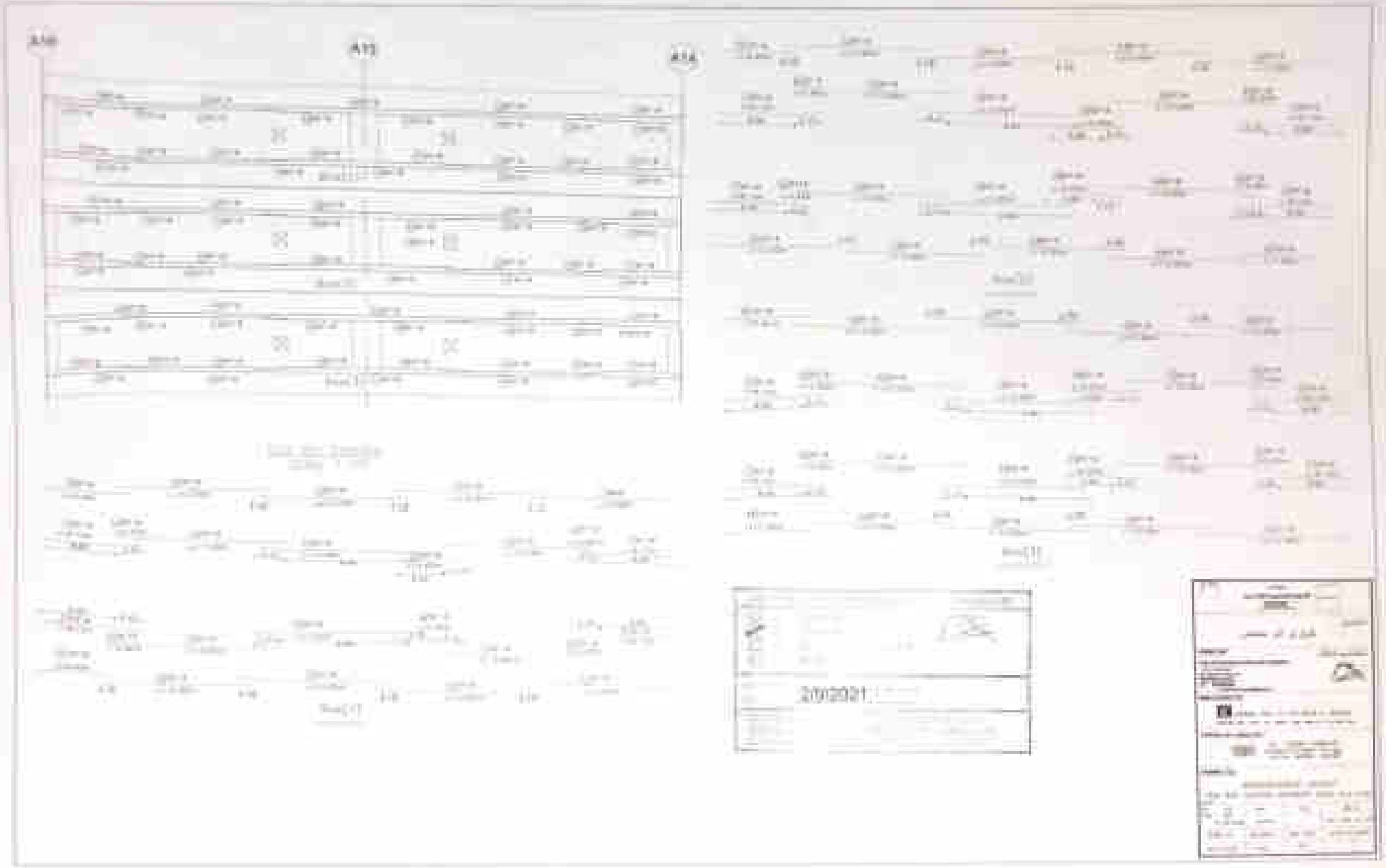
All spacing of bottom slab reinforcement = 100mm

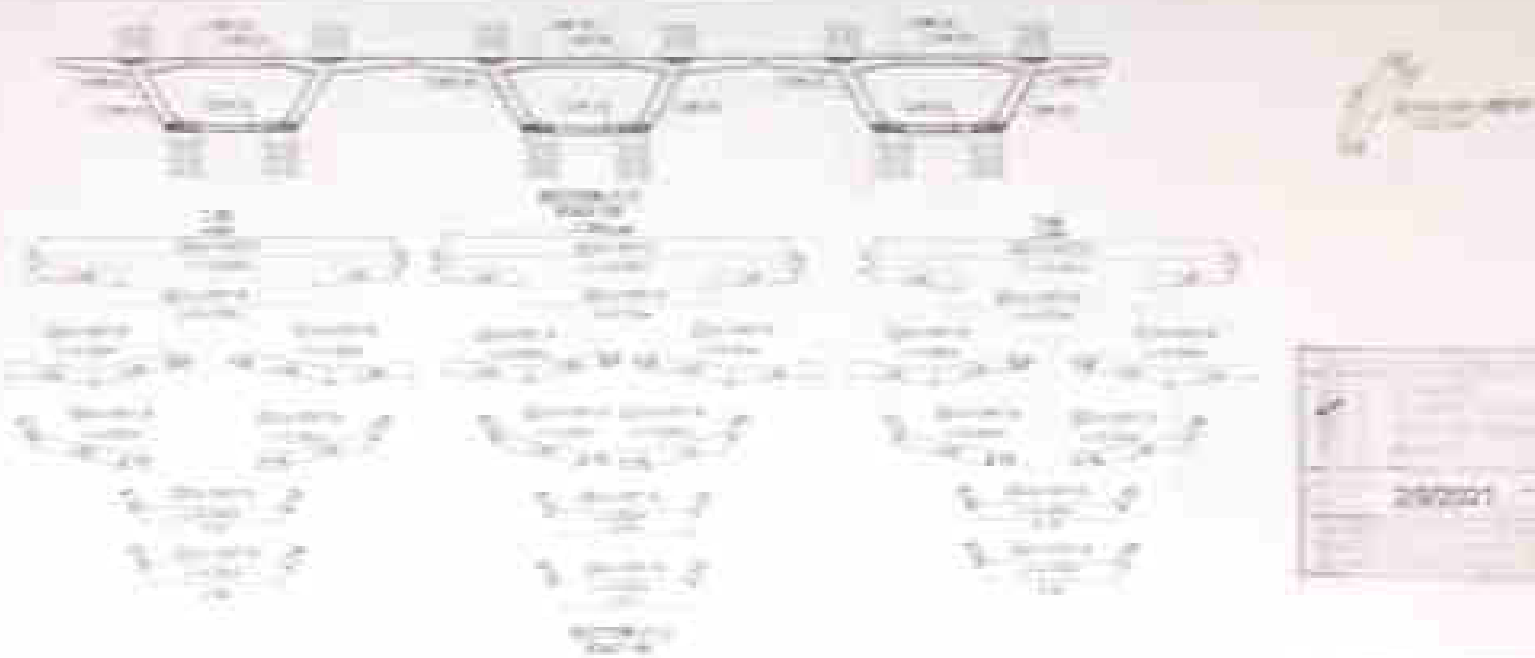
A16

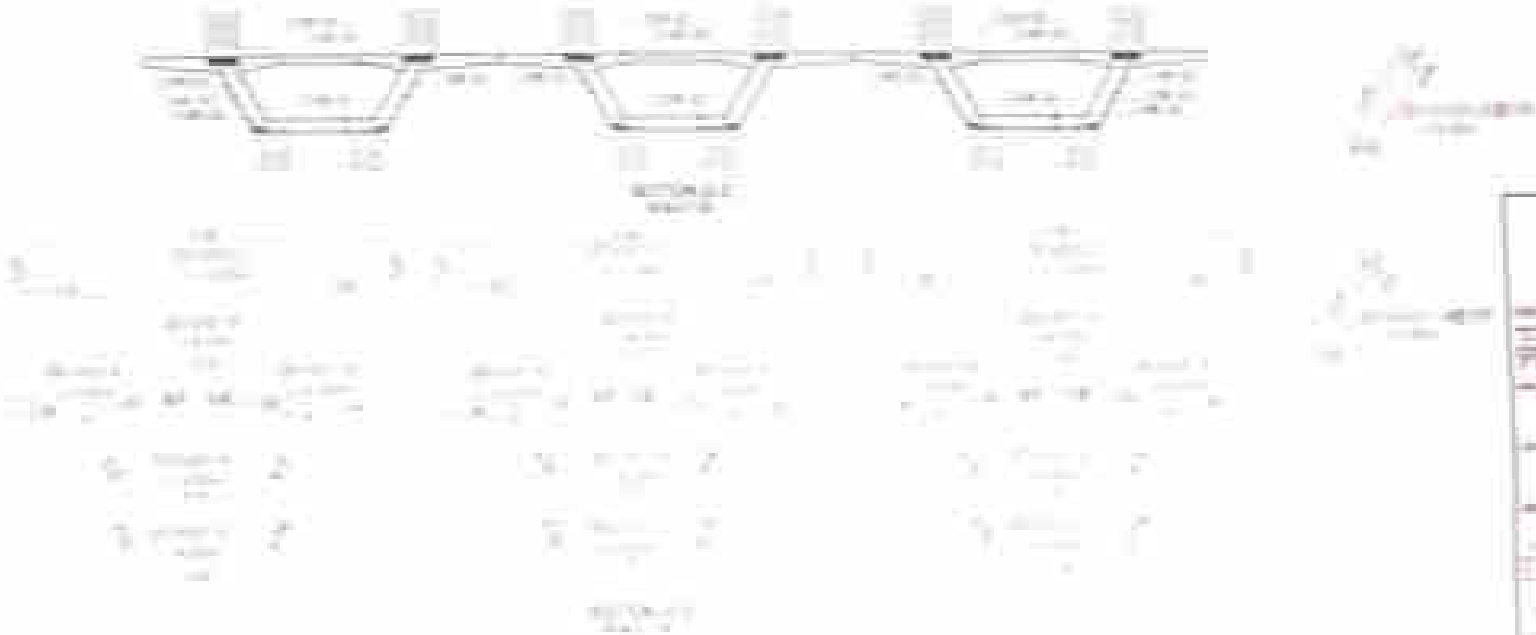
A15

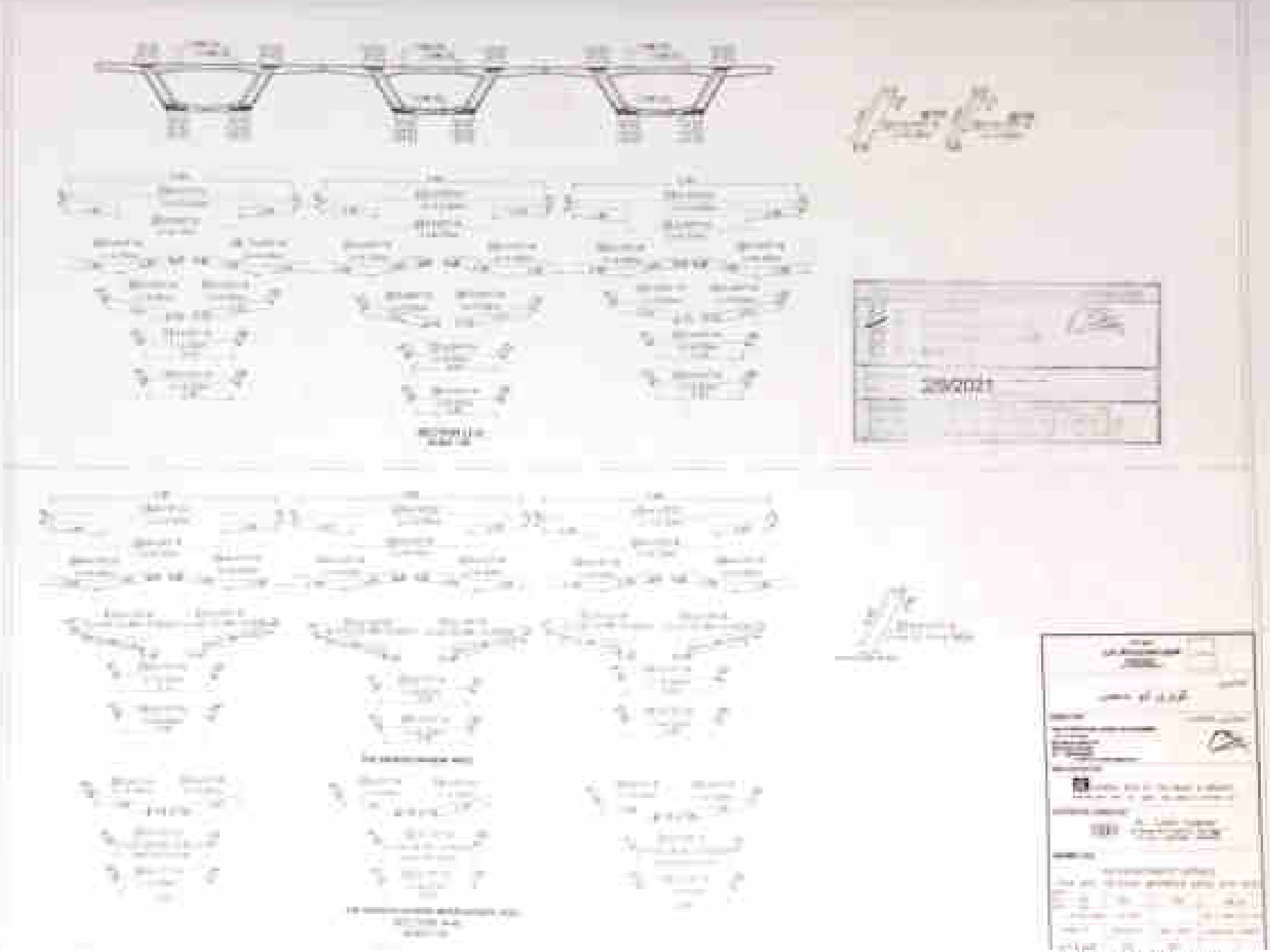
A14

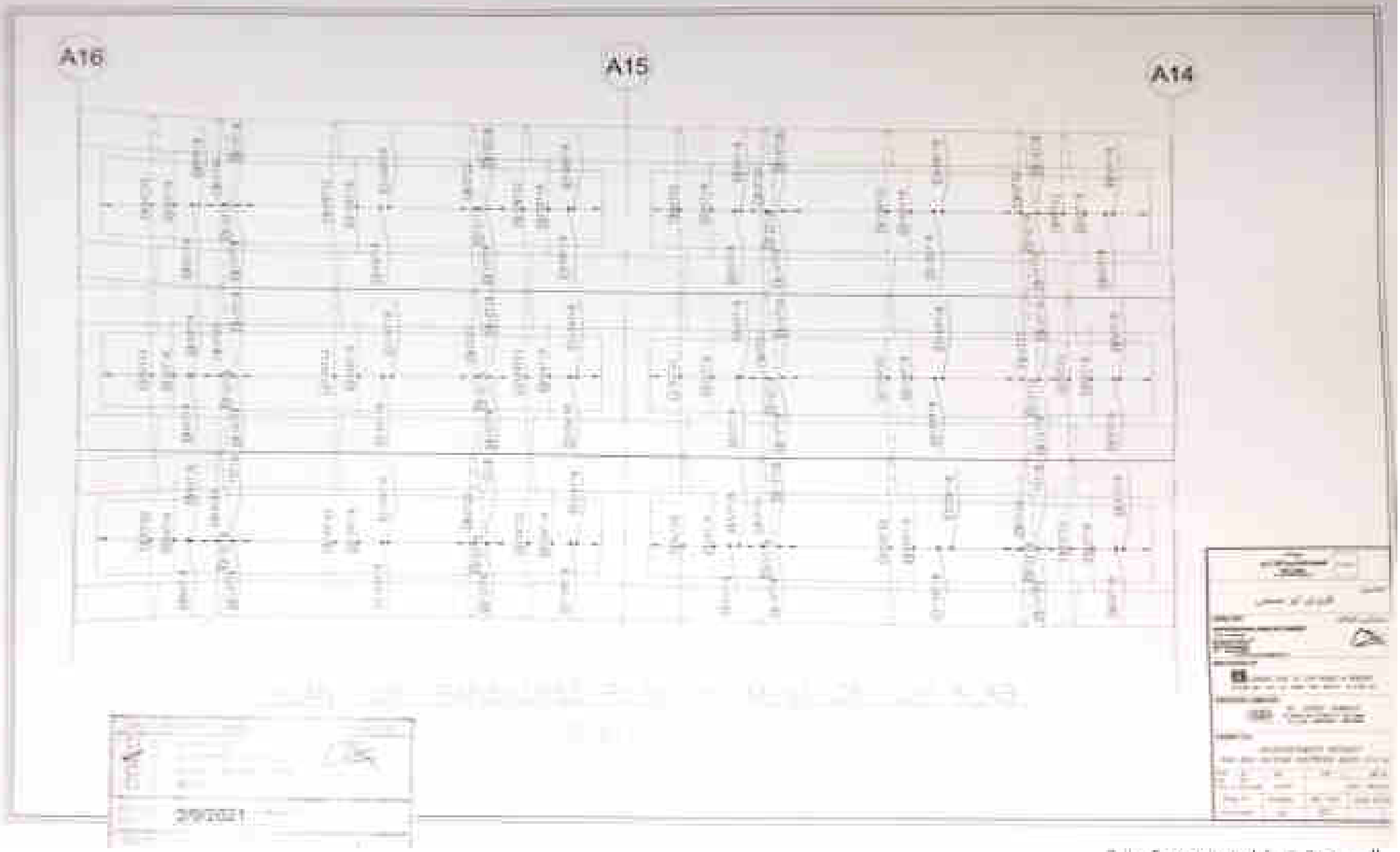










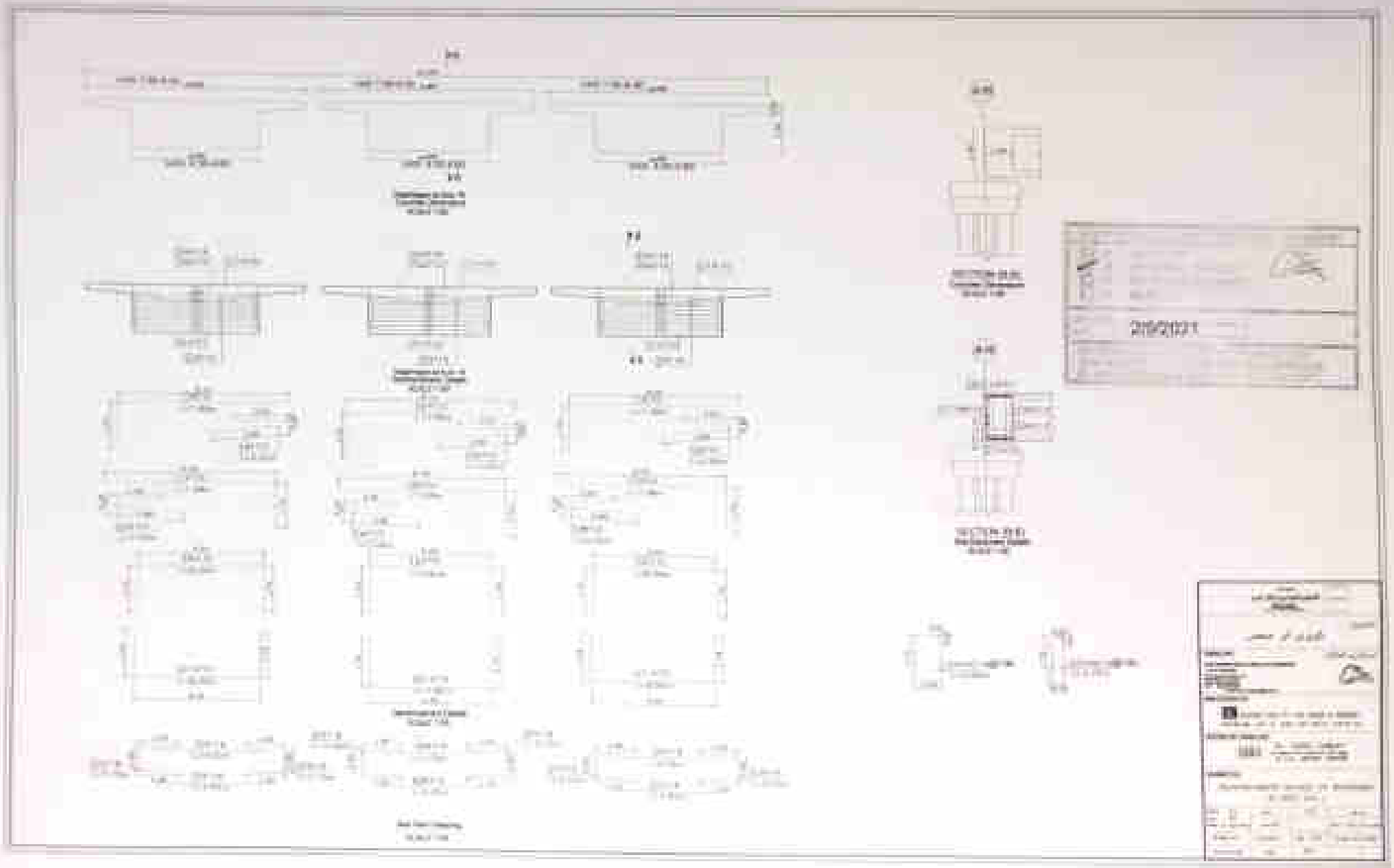


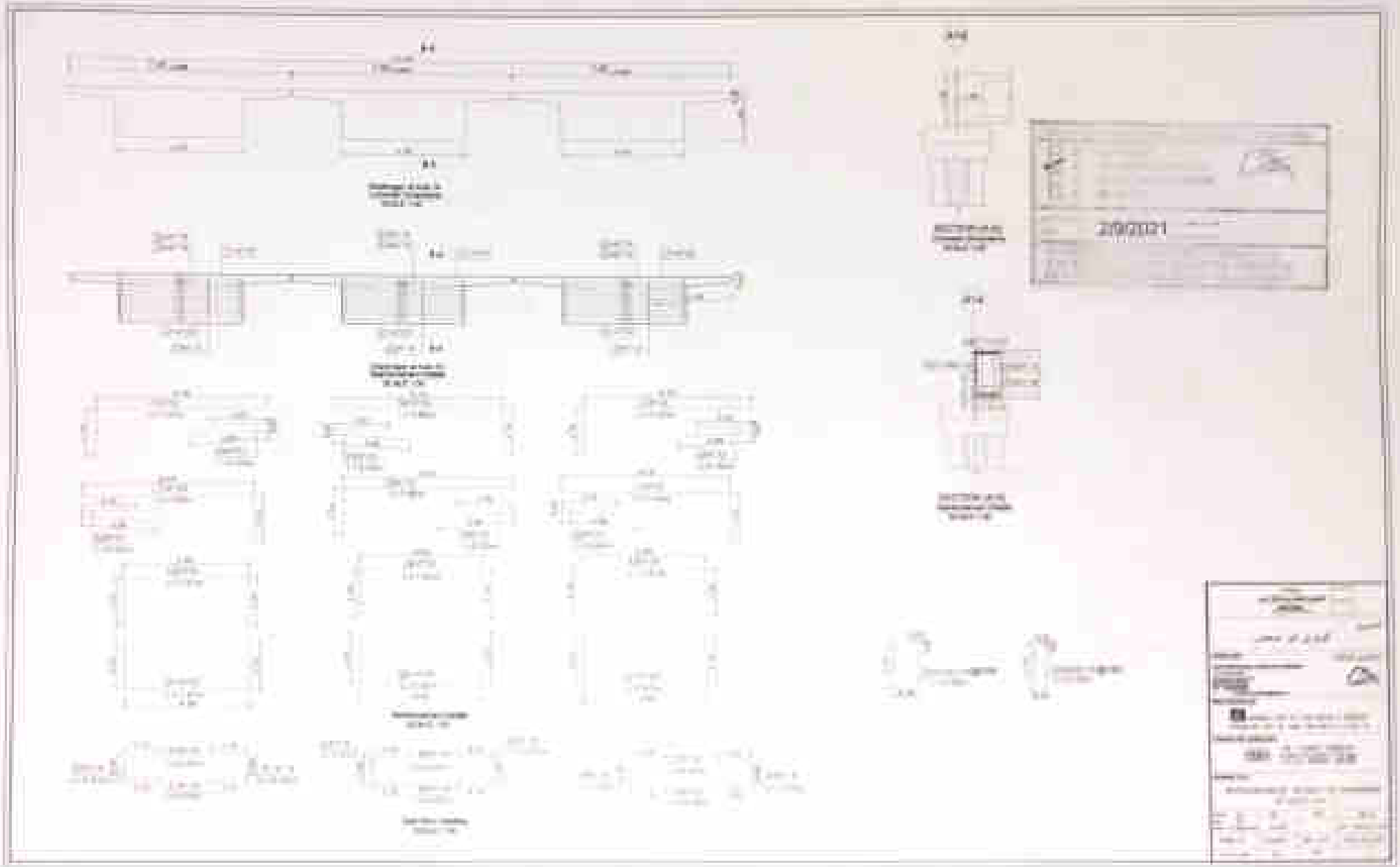
A16

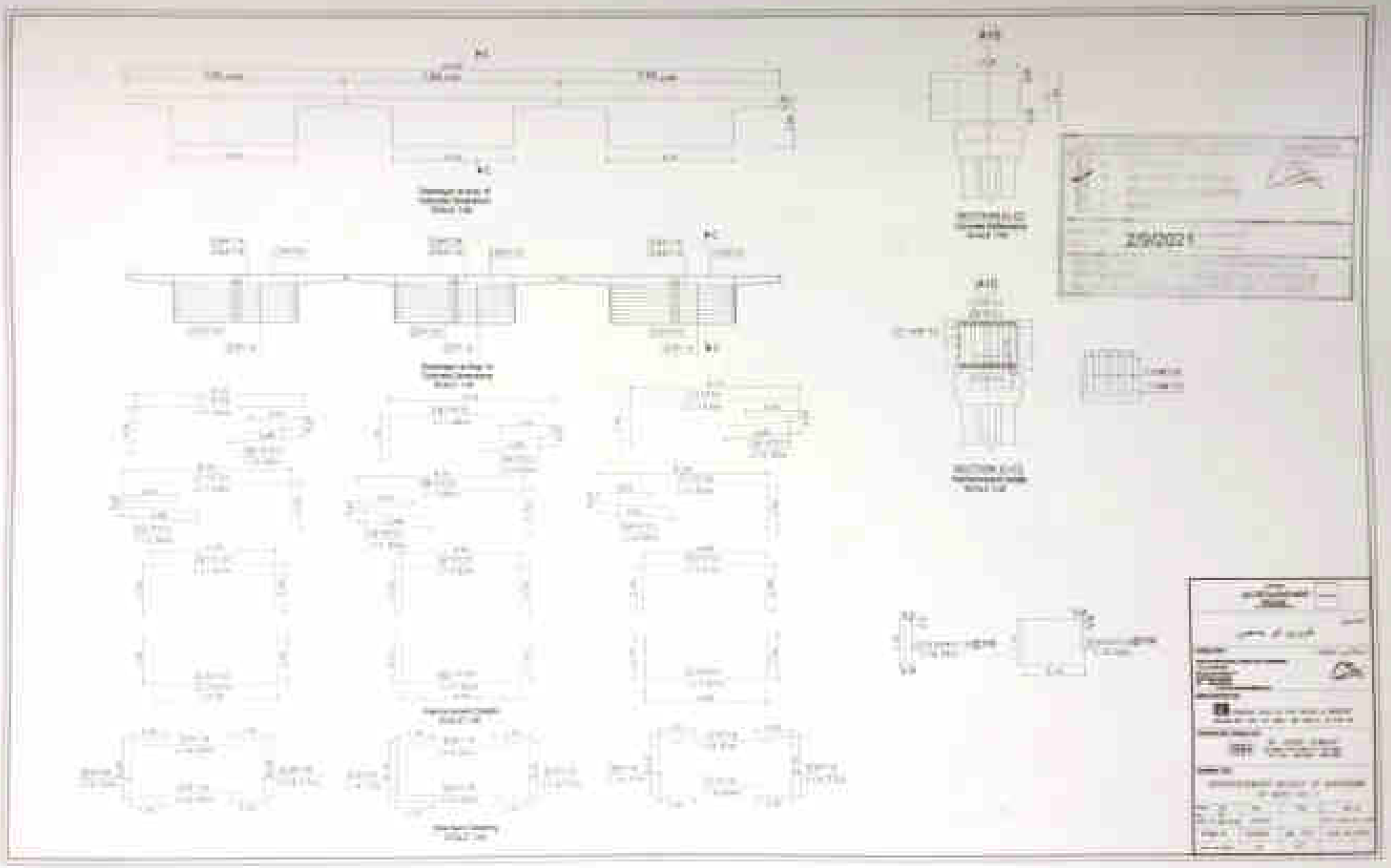
A15

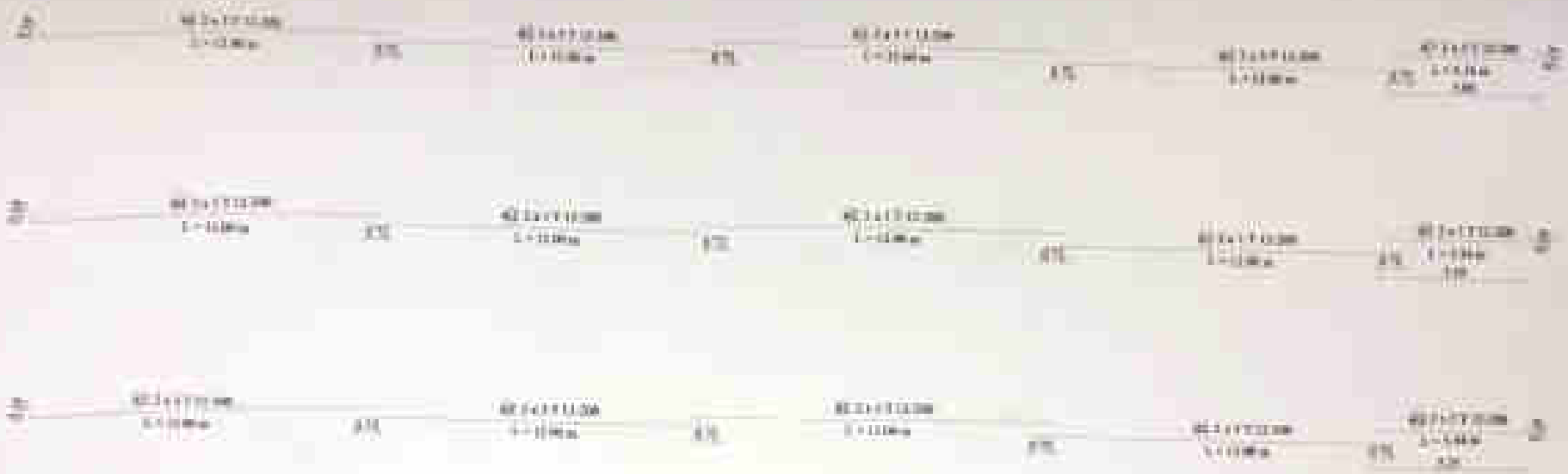
A14

2/9/2021









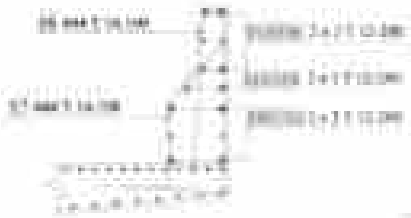
Outer Newjersy
Long. Reinforcement of Newjersy

Concrete Dimensions
Scale 1:25

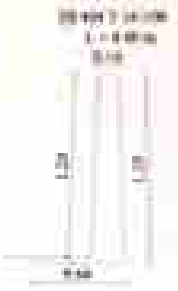
Reinforcement Chairs
Scale 1:25

Inner NewJetty
Long. Reinforcement of Newjetty

Concrete Dimensions
Scale 1:25



Reinforcement Details
Scale 1:20



Inner NewJetty IS END AT ZERO STATIONS

2/9/2021

Bar No.	Shape Code
1,2, 2,2,3,4,6,7,10 11,13a,12,13,14,15,17 18,20,19	A
3 , 3	A B
5, 9, 16, 17 , 18 , 19	A B
19 , 19	A B C D
21 , 26	C A B
22 , 30 , 31	A B C
23 , 25 , 24 , 25 28 , 29 , 32 , 33	A B C
34 , 35 , 36 , 37	A B C D
40 , 41 , 42 , 44 , 45 , 46 , 47 50 , 52 , 53 , 54 , 55 , 56	A B C
8,7 , 11	A
11	A B C D
13	A B C D

2/0/2021

Bar No	Shape Code
1 , 1a	
1d, 1e , 2 , 2a	
1b	
3 , 3a	
4	
5 , 6	

2/8/2021

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثالثة عشر

تنفيذ شركة النيل العامة للطرق والكباري

✓ استكمال حصر الحديد لعمود C2

الرقم	القطر	وزن المتر الطولي (t)	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.86	0.271
2	18	2.00	4	0.81	0.006
3	22	2.98	50	0.64	0.095
9	12	0.89	32	2.74	0.078
10	16	1.58	8	4.83	0.061
3*	12	0.89	36	1.2	0.038
3*	10	0.62	36	1.2	-0.027
الاجمالي					0.524

✓ استكمال حصر حديد عمود A20-1

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.309	50	0.2	0.063
2	18	1.998	4	0.2	0.002
3	22	2.982	50	0.2	0.030
3*	12	0.887	36	1.2	0.038
3*	10	0.616	36	1.2	-0.027
الاجمالي					0.106

✓ استكمال حصر حديد عمود A20-2

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.25	0.079
3	22	2.98	50	0.15	0.022
3*	12	0.89	36	1.2	0.038
3*	10	0.62	36	1.2	-0.027
الاجمالي					0.111

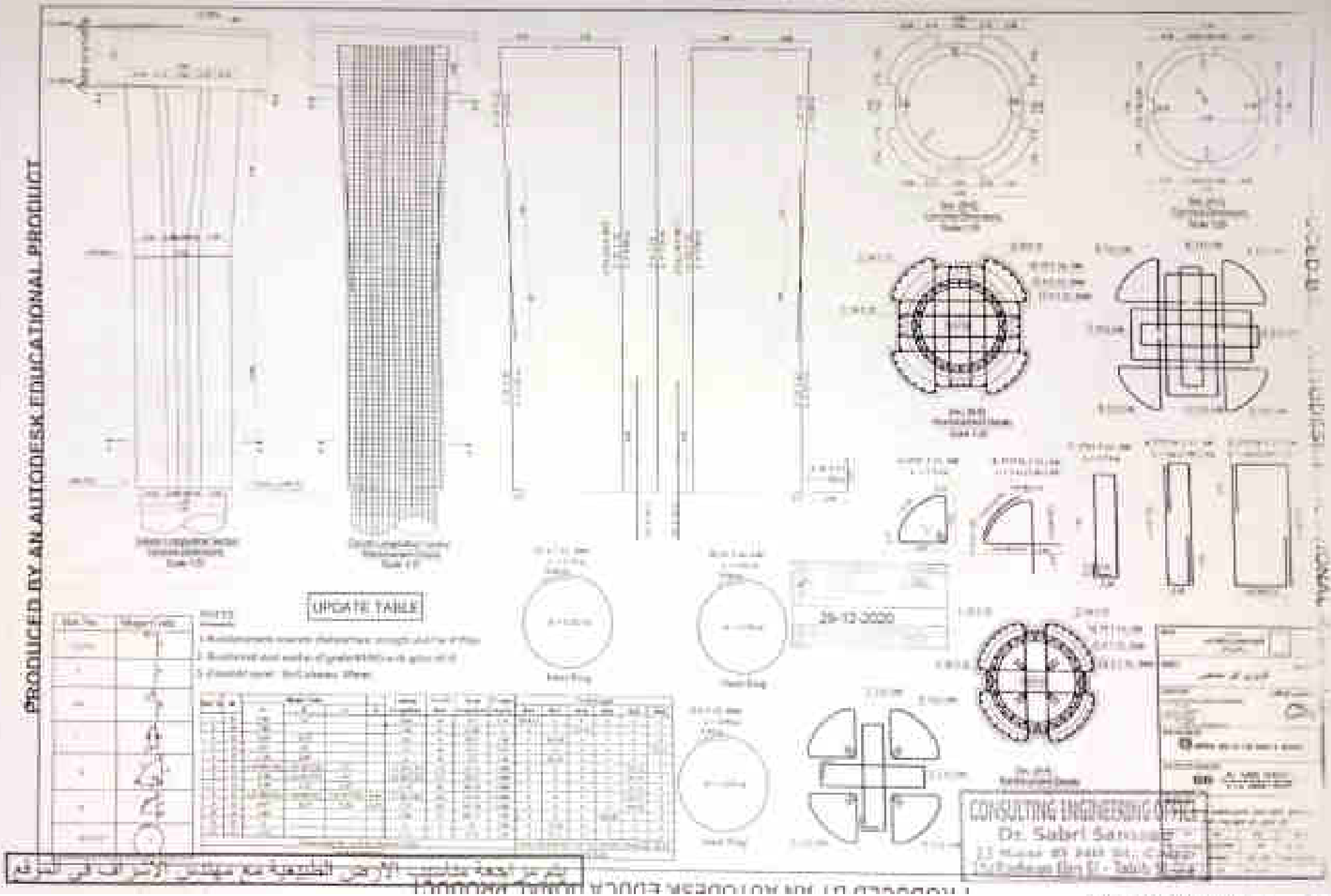
استكمال حصر الحديد لعمود A17-2

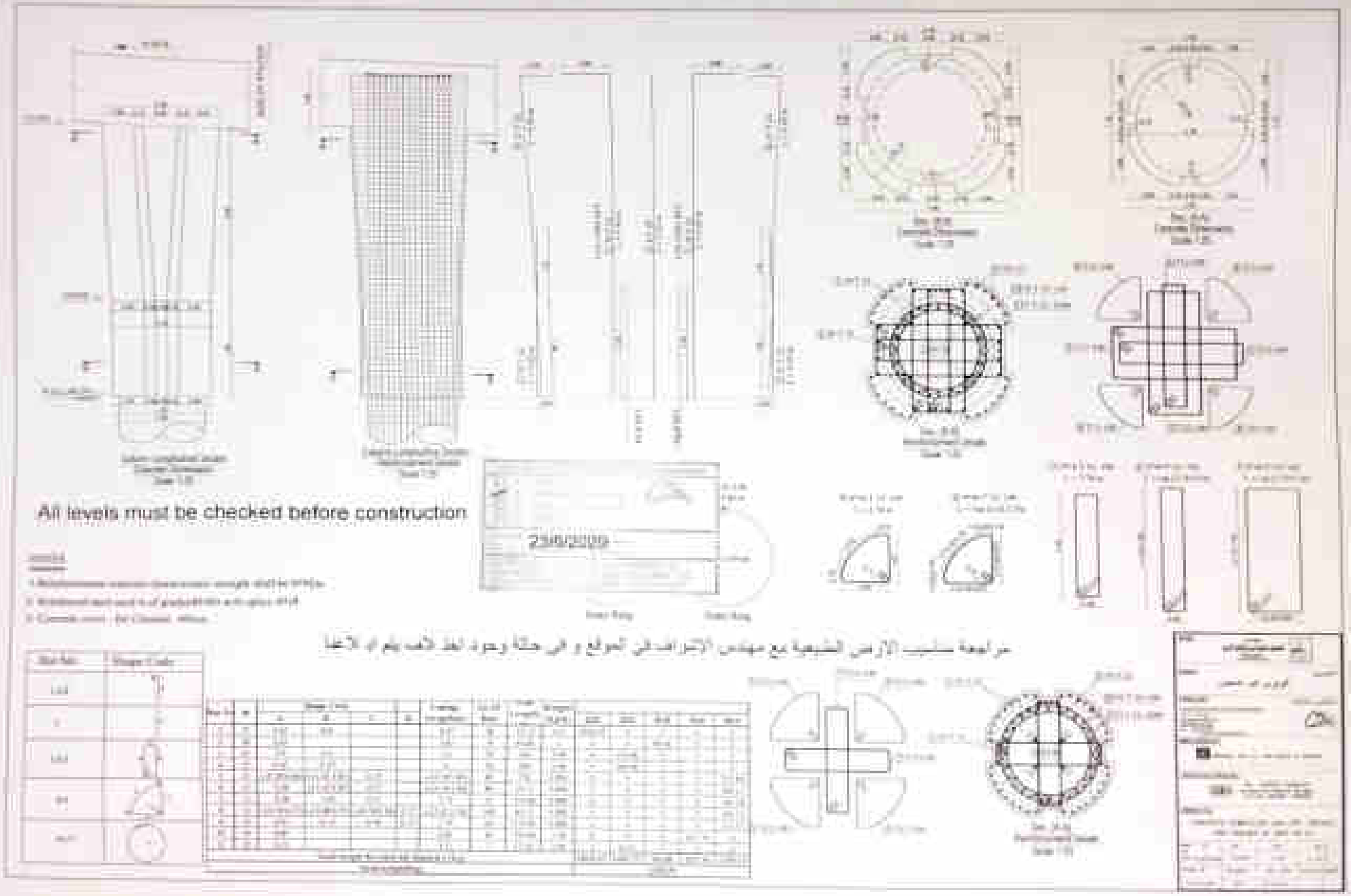
الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	70	0.13	0.057
2	18	2.00	8	0.03	0.000
3	12	0.89	1	3.74	0.003
9	12	0.89	4	2.74	0.010
10	16	1.58	1	4.83	0.008
3*	12	0.89	36	1.2	0.038
3*	10	0.62	36	1.2	-0.027
		0			0.000
الاجمالي					0.090

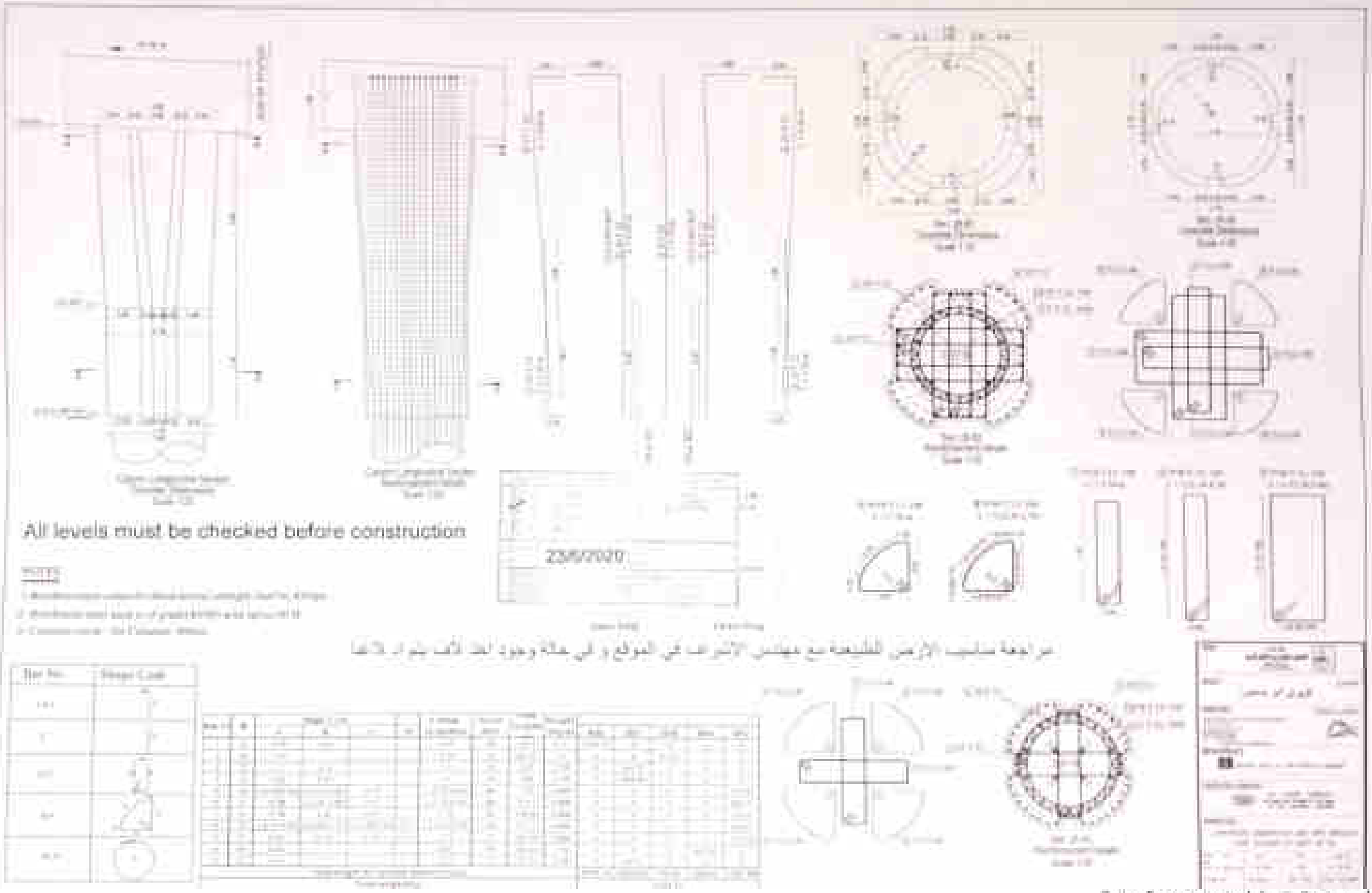
عن الشركة

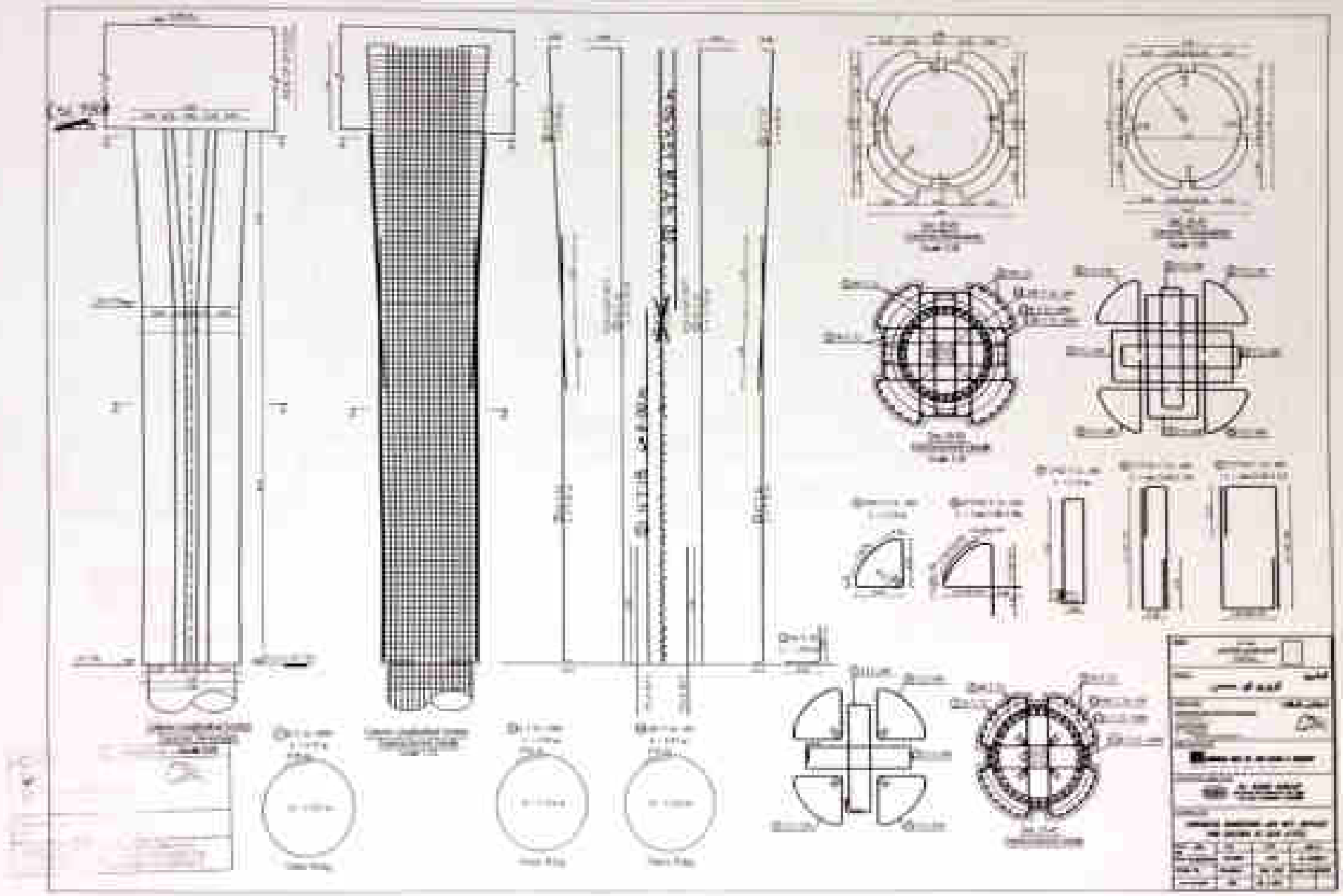
عن الاستشاري

عن الهيئة









Bar No	Shape Code
1,2,3	
3	
3/4	
7	
8	
9	
10,11	

Bar No	D	Shape Code A	Shape Code B	Shape Code C	D	Cutting Length(m)	No Of Bars	Total Length(m)	Weight (kg/m)	Total weight Ø32	Ø25	Ø18	Ø16	Ø12	Ø10
1	32	20.6	0.4			[illegible]	[illegible]	[illegible]	6.31	[illegible]	0	0	0	0	0
2	18	20.6				20.6	8	164.8	2	0	0	329.60	0	0	0
3	25	7.75	0.17			[illegible]	30	[illegible]	3.86	0	[illegible]	0	0	0	0
3	10	0.60	0.06			[illegible]	70	[illegible]	0.617	0	0	0	0	0	[illegible]
4	25	[illegible]	0.30			[illegible]	[illegible]	[illegible]	3.86	0	[illegible]	0	0	0	0
5	12	[illegible]	[illegible]	0.3		[illegible]	340	[illegible]	0.888	0	0	0	0	[illegible]	0
6	12	0.28	[illegible]	0.3		[illegible]	340	[illegible]	0.888	0	0	0	0	[illegible]	0
7	12	0.78	1.47	0.41		2.78	[illegible]	[illegible]	0.888	0	0	0	0	[illegible]	0
8	12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	[illegible]	0.888	0	0	0	0	[illegible]	0
9	12	0.67	0.17	0.76	0.17	2.24	[illegible]	[illegible]	0.888	0	0	0	0	[illegible]	0
10	16	4.83				4.83	[illegible]	[illegible]	1.58	0	0	0	[illegible]	0	0
11	25	8				8	[illegible]	[illegible]	3.86	0	[illegible]	0	0	0	0
12	25	4.13				4.13	[illegible]	[illegible]	3.86	0	[illegible]	0	0	0	0
Total weight for each bar diameter (Kg)										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total weight(Kg)										[illegible]					

Update tables

NOTES

1-Reinforcement concrete characteristic strength shall be:45Mpa

2- Reinforced steel used is of grade(40/60) with splice 60 Ø

3- Concrete cover : for Columns 40mm

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المديرية الثالثة عشر

تابع: شركة النقل العامة للطرق والكباري

استكمال حصر الحديد لعمود B3

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.6	0.189
2	16	2.00	4	0.6	0.005
3	12	0.88	12	1.74	0.040
5	12	0.89	28	2.74	0.058
10	16	1.58	4	4.83	0.046
3*	12	0.89	36	1.2	0.038
3*	10	0.62	36	1.2	0.027
				الاجمالي	0.510

استكمال حصر الحديد لعمود B4

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.2	0.063
2	16	2.00	4	0.2	0.002
5	12	0.89	8	2.775	0.020
6	12	0.89	8	2.55	0.018
7	12	0.89	8	1.74	0.013
8	12	0.89	8	1.89	0.013
9	12	0.89	8	2.74	0.019
10	16	1.58	2	4.83	0.015
				الاجمالي	0.171

استكمال حصر الحديد لعمود B1

الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.17	0.054
2	16	2.00	8	0.17	0.003
3	12	0.89	4	1.74	0.013
5	12	0.89	8	2.74	0.029
10	16	1.58	2	4.83	0.015
3*	12	0.89	36	1.2	0.038
3*	10	0.62	36	1.2	0.027
				الاجمالي	0.185

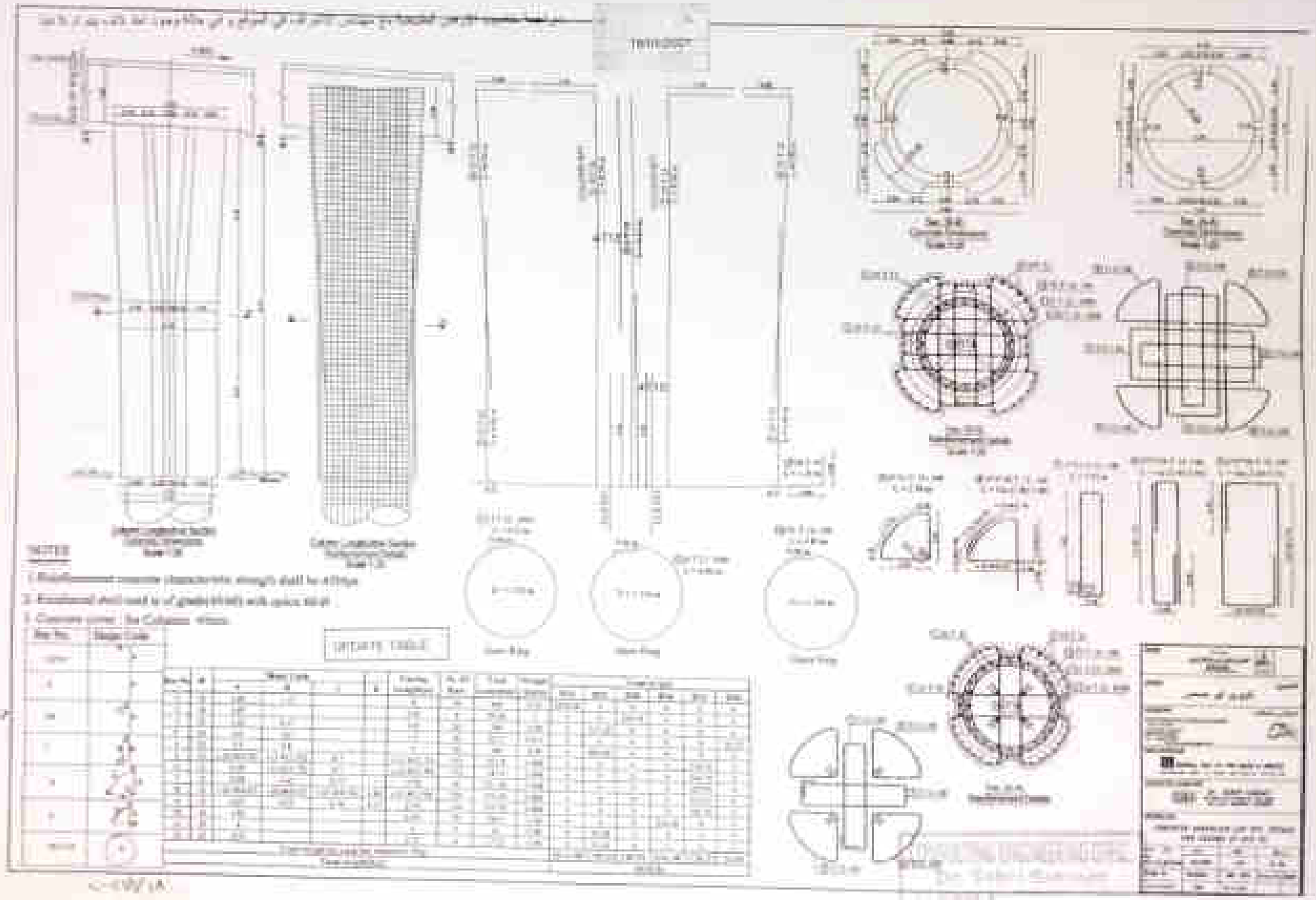
استكمال حصر الحديد لعمود B2

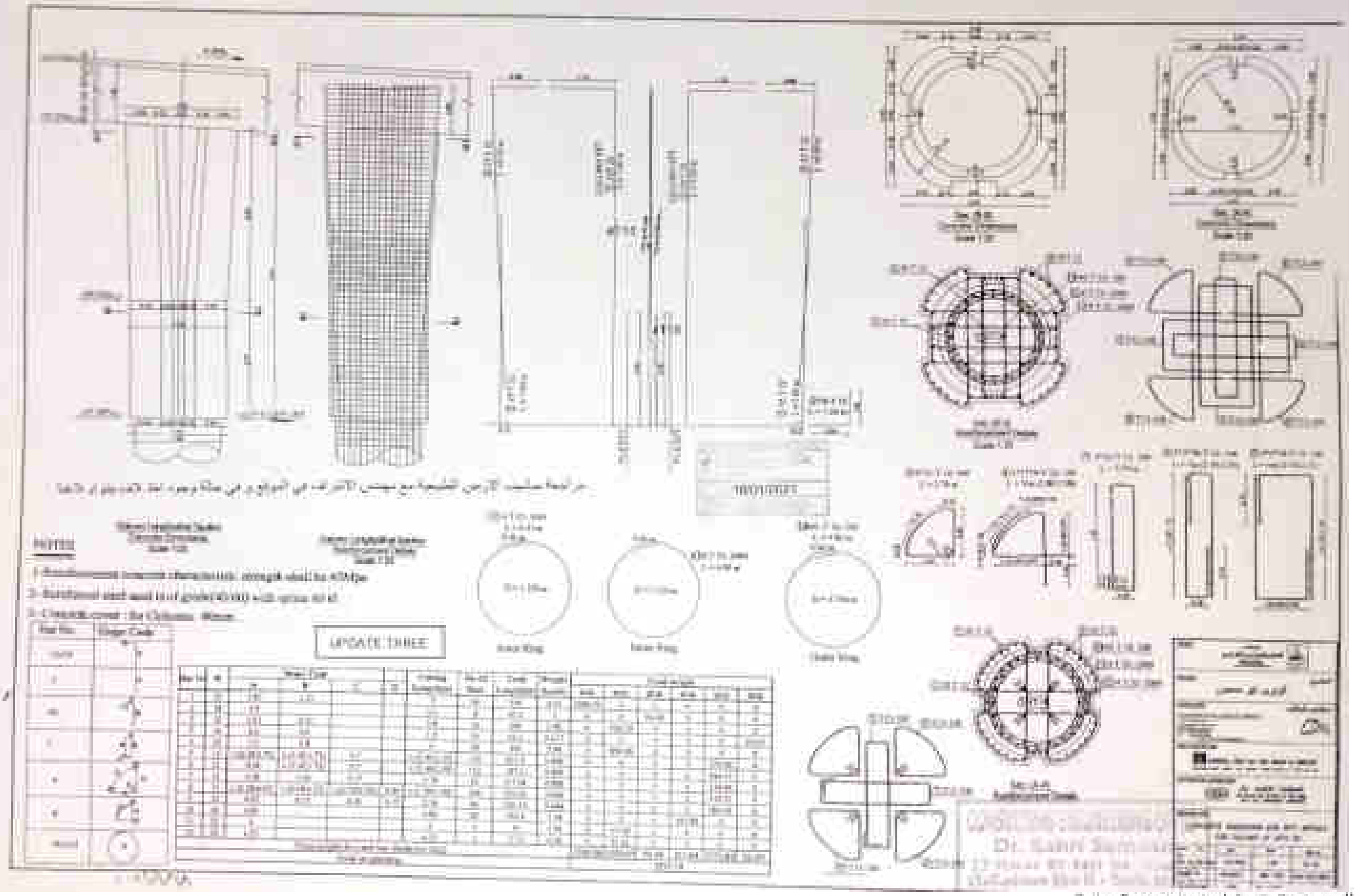
الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن
1	32	6.31	50	0.14	0.044
2	16	2.00	8	0.14	0.002
3	12	0.89	2	1.74	0.003
5	12	0.89	8	2.74	0.019
10	16	1.58	2	4.83	0.015
3*	12	0.89	36	1.2	0.038
3*	10	0.62	36	1.2	0.027
				الاجمالي	0.182

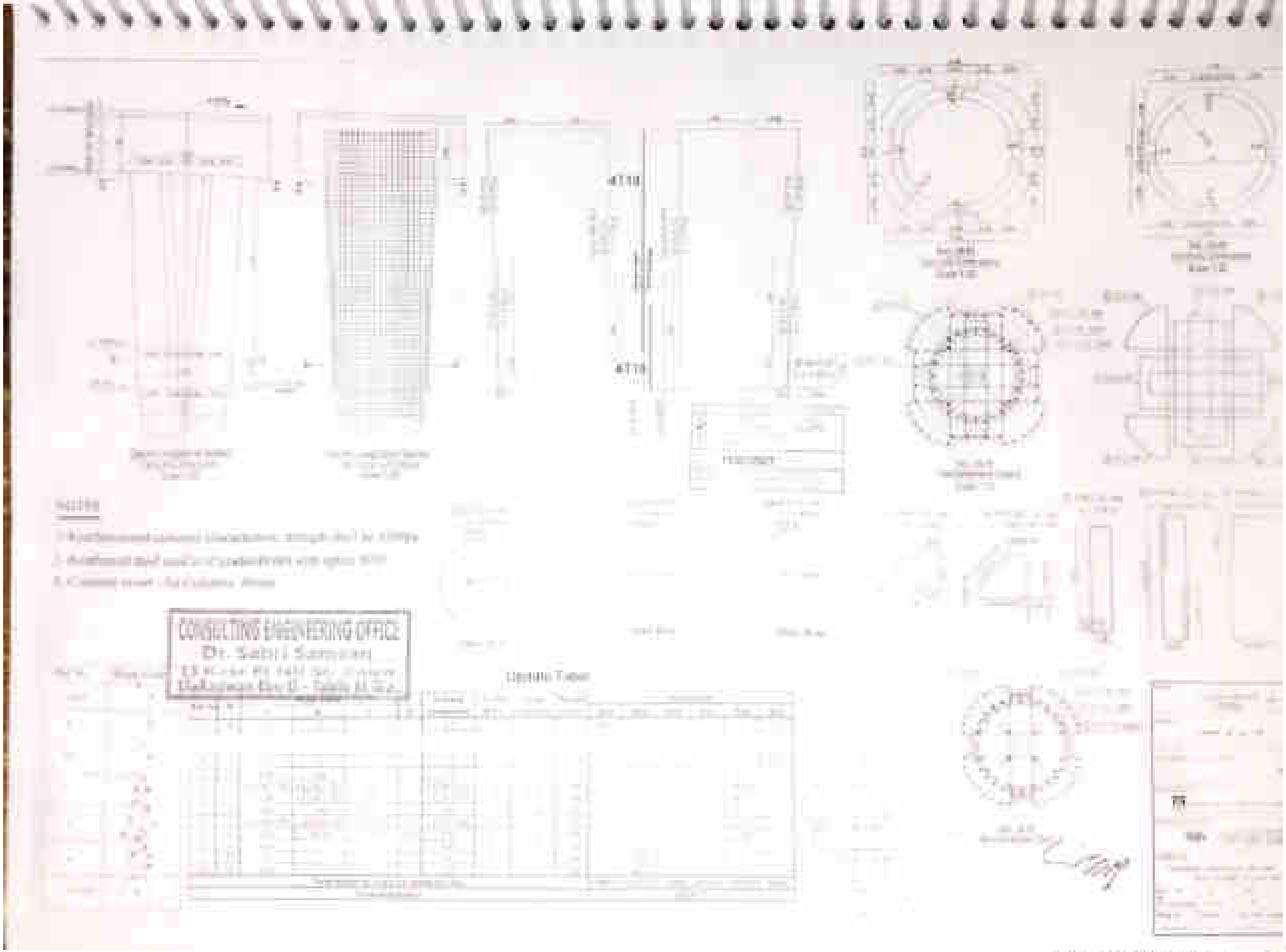
عن الشركة

عن الاستشاري

عن الهيئة







وزارة النقل
الهيئه العامه للطرق و الكباري
الهيئه العامه للطرق و الكباري المنطقه الثالثه عشر

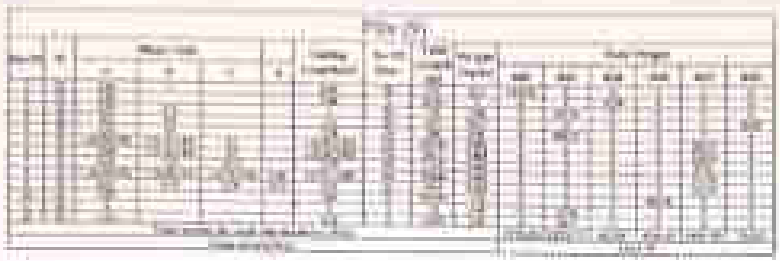
تنفيذ:شركة النيل العامة للطرق والكبارى

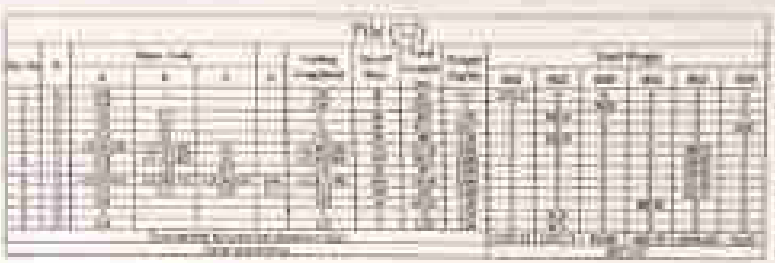
الحصر الفعلي لعمود A4 2						
الرقم	القطر	وزن المتر الطولي	العدد	الطول	اجمالي الوزن	ملاحظات
1	32	6.31	50	2	0.631	الطول ٨,٧٣ مش ٦,٧٣
2	18	2.00	4	2	0.016	الطول ٧,٧٣ مش ٥,٧٣
4	22	2.98	50	2	0.298	الطول ٥,٨٢ مش ٣,٨٢
7	12	0.89	40	3.74	0.133	العدد ٧٦ مش ٣٦
9	12	0.89	80	2.74	0.194	العدد ١٥٢ مش ٧٢
10	16	1.58	20	4.83	0.152	العدد ٧٧ مش ٥٧
11	22	2.98	1	4	0.012	العدد ٤ مش ٣
12	22	2.98	1	4.33	0.013	العدد ٤ مش ٣
الاجمالى					1.437	

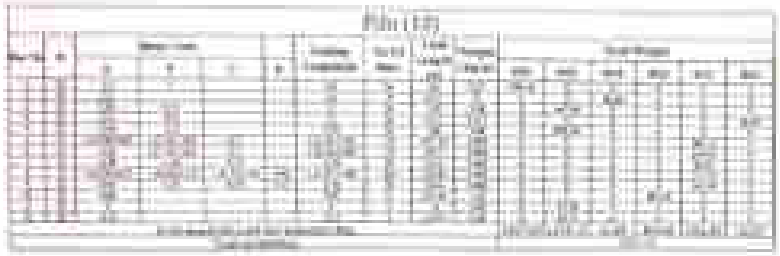
عن الشركة

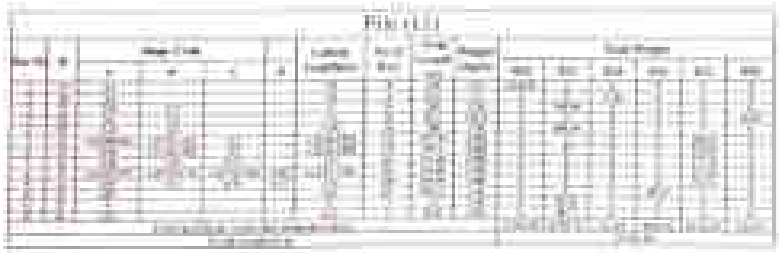
عن الاستشاري

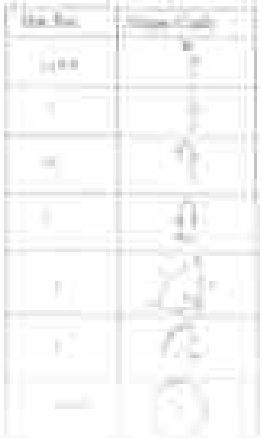
عن الهيئة

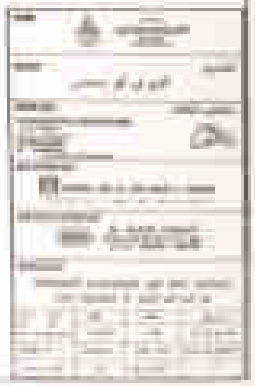


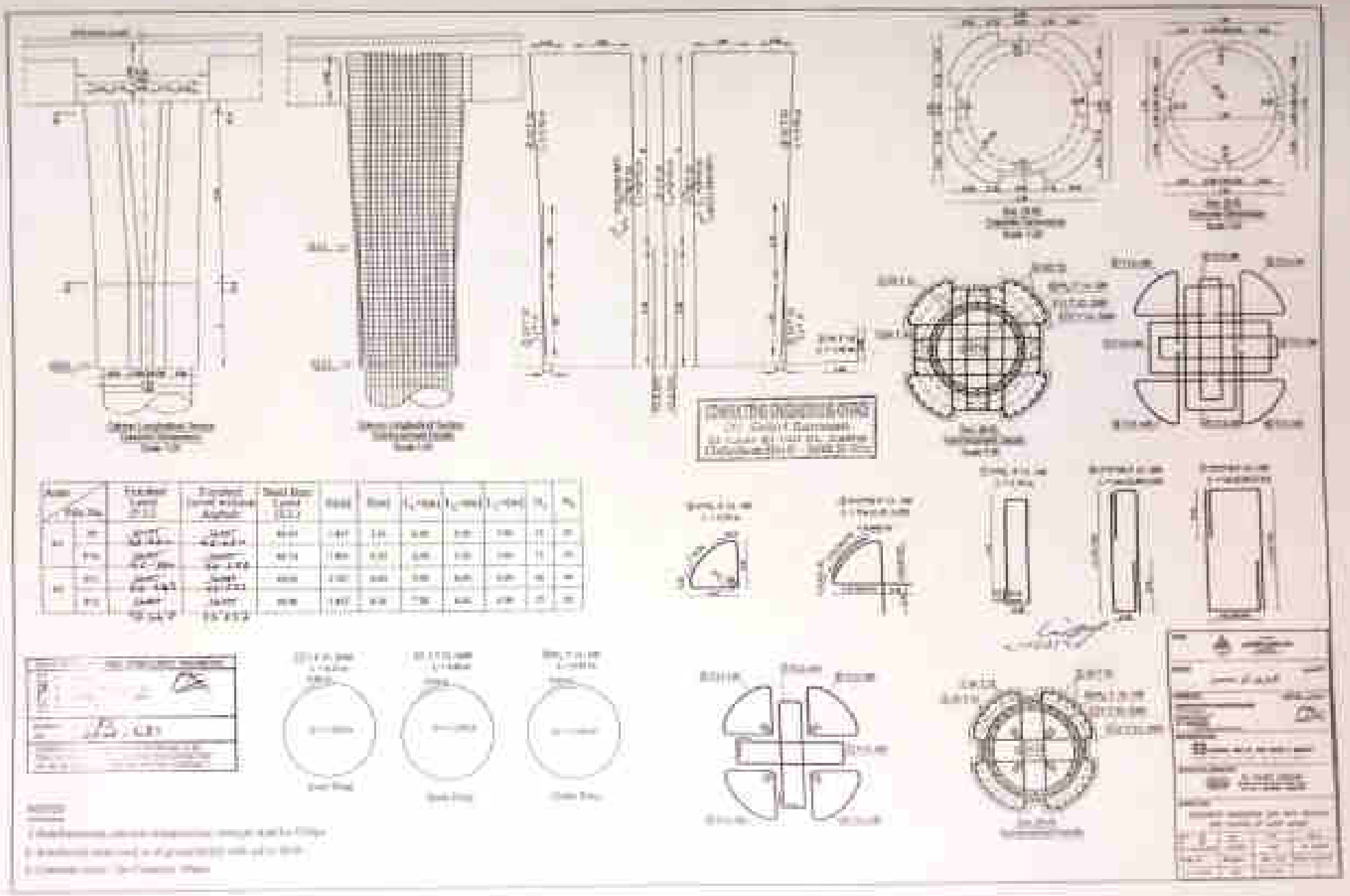


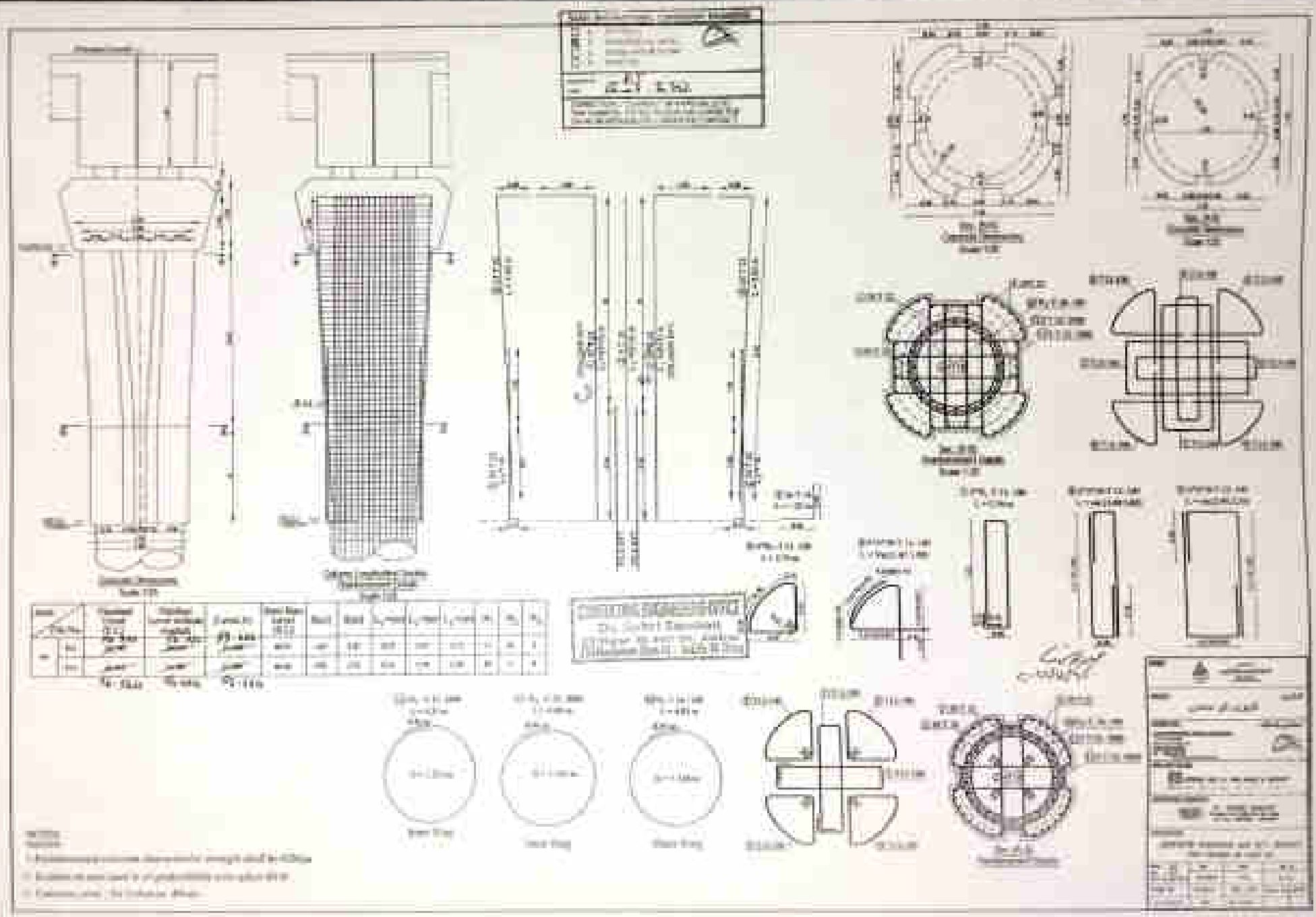












وزارة النقل
الهيئة العامة للطرق والكباري
الهيئة العامة للطرق والكباري المنطقة الثالثة عشر

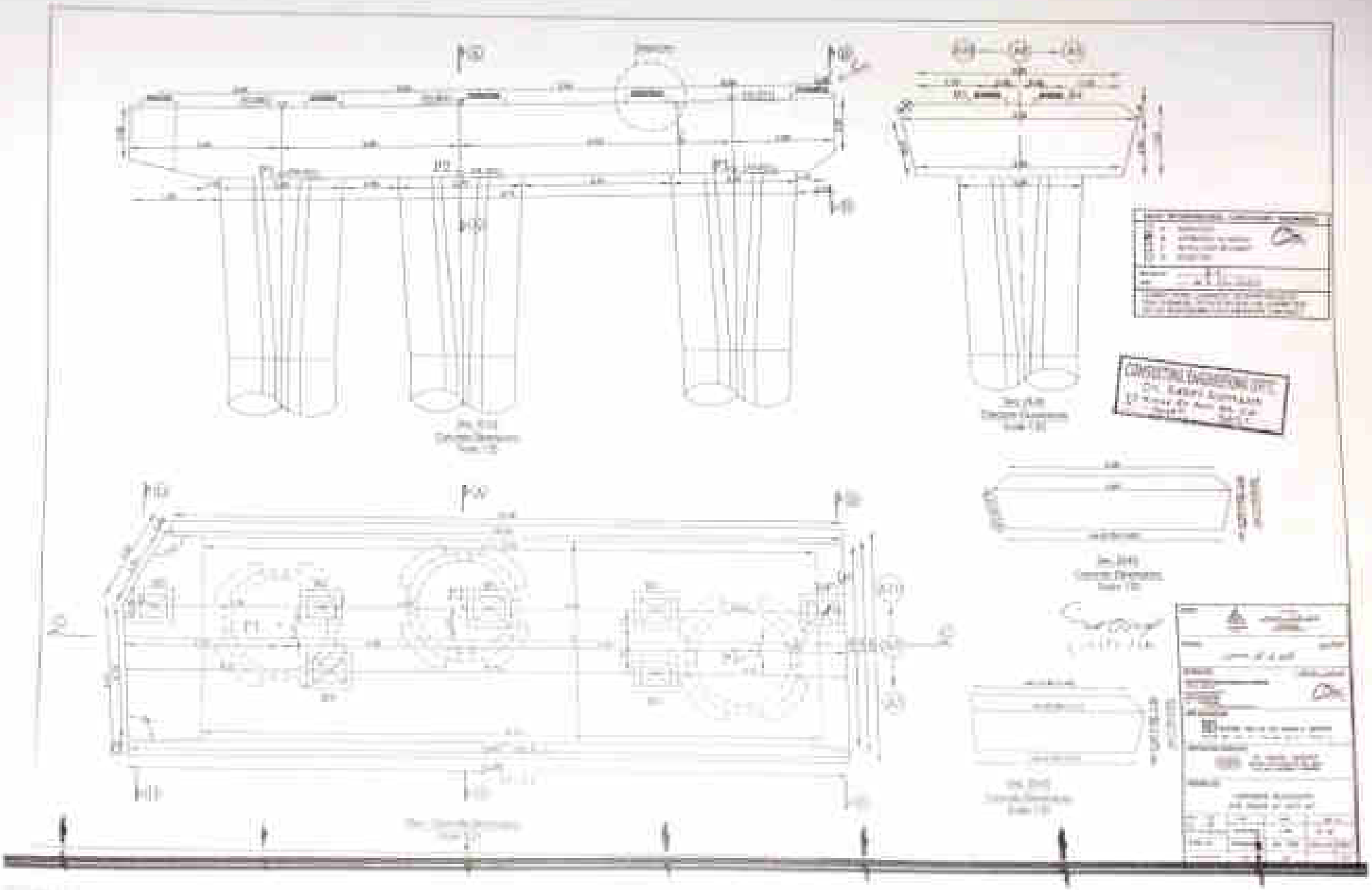
تنفيذ شركة النيل العامة للطرق والكباري

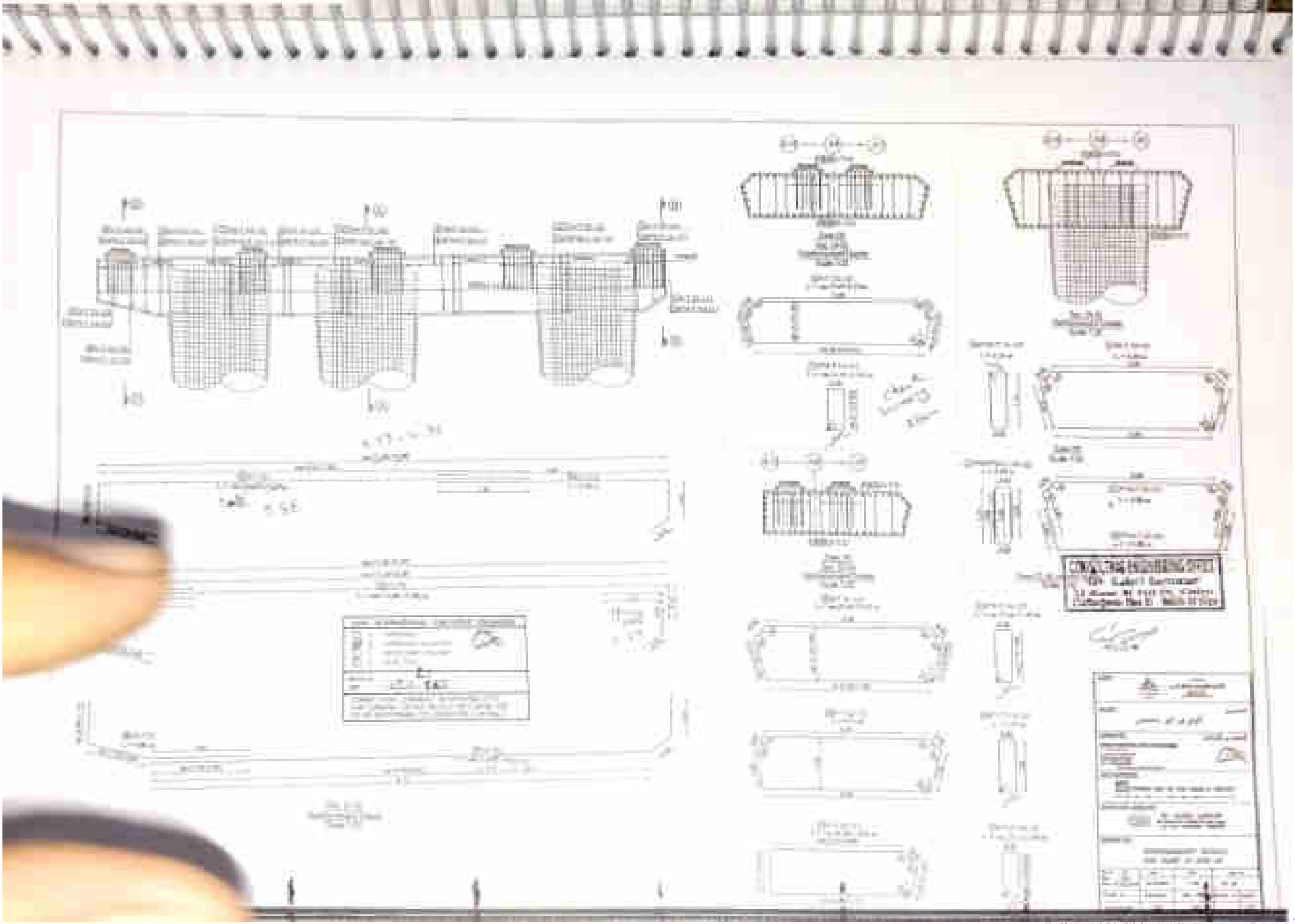
استكمال حصر الحديد لهامة ٨								
رقم السيخ	القطر	الطول	العدد	وزن المتر الطولي	اجمالي الوزن	الوزن بالطن	ملاحظات
1	22	5.8	12	2.98	207.54	0.21	
2	22	5	12	2.98	178.92	0.18	
3	22	9.05	8	2.98	215.16	0.23	
4	16	2.63	48	1.58	174.81	0.17	
5	16	2.4	144	1.58	545.09	0.55	
6	22	8.46	2	2.98	50.42	0.06	
7	16	3.00	12	1.58	57.92	0.06	
8	22	9.625	1	2.98	28.70	0.03	
9	16	1.27	6	1.58	30.94	0.03	
12	22	8.6	2	2.98	51.29	0.05	
13	16	2.94	10	1.58	46.37	0.05	
**	22	6	24	2.98	286.56	0.29	
الاجمالي						1.995	

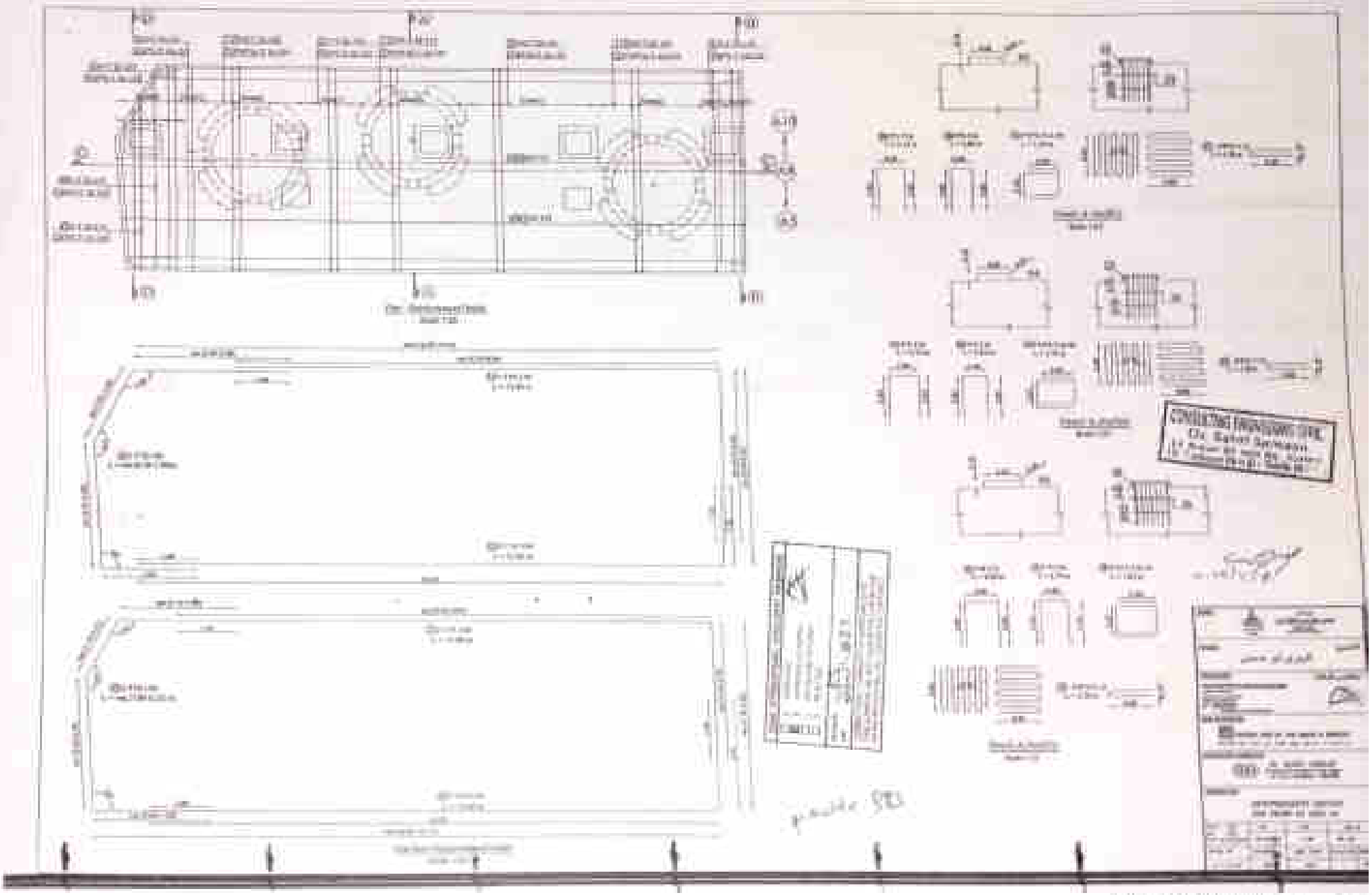
عن الشركة

عن الاستشاري

عن الهيئة







ان الاعمال بالمستخلص رقم : (١٩) جارى

ملية : انشاء كوبرى مزلقان أبو حمص العلوى

رقم البند وبيانه : (٢٥)	توريد وتركيب حديد إنشائي ((Steel structure) لزوم أعمال جسم الكوبري بقطاعات Built up section من حديد صلب عالي المقاومة درجة St.52 إجهاد خضوع لا يقل عن ٣٥٥ كجم / سم٢ والبند يشمل جميع أنواع اللحامات و الوصلات والاختبارات المختلفة لهما والبند يشمل كافة اللوازم بعمل الحماية بطبقتين من الحماية ضد الصدأ حسب الأصول الفنية والمواصفات والرسومات التصميمية .

نفيذ شركة : النيل العامة للطرق والكبارى

الكمية بالمقايسة المجددة رقم ٤	٤٦٥ طن	مقدار العمل السابق	٤٣٣,٠٠٤

بيان الاعمال بالمقايسة	الوزن (بالطن)	العدد	الاجمالى بالطن
ق استكمال حصر الباكيات A7-9 & A8-10	٢,٧٦	١	٢,٧٦٠
سبة ال ٥,٥ ٪ (معاملات المسامير واللحام والدرفلة)	٢٣,٩٦٧	١	٢٣,٩٦٧
الاجمالى (بالطن)			٢٦,٧٢٧

اجمالى عام للتعبئة حتى تاريخه	٤٥٩,٧٣١
اجمالى الكمية المدرجة بالمستخلص السابق	٤٣٣
الكمية المدرجة بالمستخلص خلال مدة	٢٦
اجمالى الكمية المدرجة بالمستخلص الحالى	٤٥٩

عن الشركة	عن الاستشارى	عن الهيئة

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Tech. Department - Engineering

Material List

Rev 0

IFF

SHEET NO :- MX-L-2373-A7-0003

Closure Plates

General Nile For Roads & Bridges(Abu Hamra)(2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A7	0			

Client Part List # Client Ref Dwg No

Client Sheet #	Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Remarks
Sheet No :-													
	01	80	10	(2373	PL340	300	2.8	1	80	226			
											1	226	
												226	
Total Qty =		80	Pcs							Total Weight =		226	Kg

energya

Tech. Department - Engineering

Material List

Rev 0

IFF

SHEET NO :- MX-L-2373-A8-0002

Closure Plates

General Note For Roads & Bridges(Abu Hamra)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A8	0			12/06/2023

Client Part List #

Client Ref.Dwg.No

Client Sheet #	Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Remarks
Sheet No:	—												
	01	128	11	[illegible]	PL[illegible]	[illegible]	2.8	1	128	362			
											1	362	
												362	
Total Qty =		128	Pcs						Total Weight =			362	Kg

energya

Tech. Department - Engineering

Material List

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IFF

SHEET NO :- MX-L-2373-LUG-0001

IFF

Lifting Lug For A7-A9& A8-A10 Steel Bridge

General Site For Roads & Bridges(Abu Hamur)2373	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	LUG	0	—		16/01/2025

Client Part List #

Client Ref Dwg No

Client Sheet #	Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Remarks
Sheet No:	---												
	LUG-000	24	1750	S355JR	PL50x400	400	62.2	1	24	1,494			
			2500	S355JR	PL50x200	200	19.5	2	48	975			
											91	2,172	
												2,172	

Total Qty = 48 Pcs

Total Weight = 2,172 Kg

Monday, 27 November 2023

IFF

Page

وزارة النقل
الهيئة العامة للطرق والكباري
الهيئة العامة للطرق والكباري [illegible]

[illegible]
تنفيذ شركة النيل العامة للطرق والكباري

بيان الاعمال بالمستخلص رقم : (١٩) جارى

عملية : انشاء كوبرى مزلقان أبو حمص العلوى

رقم البند وبيانه : (٣٦)	بالمتر المسطح توريد وتشغيل وتركيب Correguated sheets بسمك ٣ مم والفتة تشمل توريد المواد والتقطيع طبقا للرسومات والسعر يشمل أيضا الهالك والتحانات والاختبارات وكل ما يلزم لنهو العمل طبقا للمواصفات والرسومات التنفيذية المعتمدة وتعليمات جهاز الإشراف

الكمية بالمقايسة المعجدة رقم ٤	١٨٠٠ م٢	مقدار العمل السابق	٩٤٩	
بيان الاعمال بالمقايسة	المساحة (م٢)		العدد	الاجمالى (م٢)
باقى استكمال حصر الباكيات المعدنية A7-9 & A8-10	٥٨		١	٥٨
حصر الباكية المعدنية A19،A20	٧٠٤		١	٧٠٤
الاجمالى (بالطن)				٧٦٢

اجمالى ماتم تنفيذه حتى تاريخه	١٧١١
اجمالى الكمية المدرجة بالمستخلص السابق	٩٤٥
الكمية المدرجة بالمستخلص خلال مدة	٧٦٦
اجمالى الكمية المدرجة بالمستخلص الحالي	١٧١١

عن الشركة | عن الاستشاري | عن الهيئة

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Tech. Department - Engineering

Material List

Rev 0

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ES-WF-11-F-13 Issue A9

Release No : 0001

SHEET NO :- MXJ-2373-A19-0001

Metal Deck For A19-A20 Steel Bridge

General Note For Roads & Bridges(Abu Hamour2373)	Client Order #	Dept	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MXJ-2373	A19	0	[illegible]		[illegible]

Client Part List # All Items Are HDGS

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No	Remarks
Sheet No :-	---													
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]				
											73	146		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											73	292		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]				
											75	150		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]				
											75	151		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]				
											75	150		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]				
											75	152		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]				
											78	156		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]				
											75	150		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											78	312		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]				
											80	160		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]				
											81	162		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]				

Release No : 0001 SHEET NO :- M2-L-2373-A19-0001

IFF

Metal Deck For A19-A20 Steel Bridge

General Nfo For Roads & Bridges Abu Hamra(2373)	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					[illegible]	[illegible]	[illegible]	[illegible]		[illegible]

Client Part List # All Items Are H.D.G. Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit Length	Area	Unit Weight	Qty Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	81	111		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	82	164		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	84	168		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	84	168		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	84	169		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	78	158		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	72	146		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	72	145		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	72	146		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	72	147		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	78	149		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	78	181		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	78	151		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]	76	152		
											72	154		

Metal Deck For A19-A20 Steel Bridge

General Nlo For Roads & Bridges(Abu Hamor)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	Released		[illegible]

Client Part List # All Items Are H.D.G. Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Area	Unit Weight	Qty/ Mark	Total Qty	Pos Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											78	187		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											82	159		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											81	163		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											84	169		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											82	165		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											84	168		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											84	169		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											85	169		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											83	168		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											83	168		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											83	116		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											80	119		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											81	122		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											81	121		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				

Release No : 0001 SHEET NO :- MX-L-2373-A15-0001

IFF

Metal Deck For A15-A20 Steel Bridge

[illegible]	Client Order #	Dept.	Zone	DOC No.	Project #	ORDER #	Rev	By	Checked	Date
					[illegible]	[illegible]	[illegible]	[illegible]		[illegible]

Client Part List #: All Items Are H.D.G.

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Area	Unit Weight	Qty Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		

energya

[illegible]

Release No. / 0901 SHEET NO :- MX-L-2373-A19-0901 IFF

Metal Deck For A19-A20 Steel Bridge

General Site For Roads & Bridges/Abu Hamour(LTJ)	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	478	0	[illegible]		[illegible]

Client Part List #: All Items Are H.D.G.

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit Length	Area	Unit Weight	Qty/ Mark	TOTAL Qty	Pcs. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											01	232		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											02	245		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											03	242		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											03	243		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											03	244		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											42	224		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											42	252		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											44	257		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											45	253		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											46	261		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											46	262		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											47	271		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											48	279		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
											49	273		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				

Technical Department

Release No : [illegible] SHEET NO :- MX-L-2373-A19-0001 IFF

Metal Deck For A19-A20 Steel Bridge

General Ship Yard Bundle & Bridging Also Marked (???)	Client Order &	Date	Time	DOC. NO.	Project & MX-L-2373	ORDER & [illegible]	Rev 3	By [illegible]	Checked	Date [illegible]

Client Part List & All Marks Are H.D.G. Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit Length	Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No	Remarks
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]	47	404		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	56	111		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	56	111		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	56	112		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	58	116		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	59	119		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	59	118		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	61	121		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	62	124		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	64	127		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	63	127		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	68	136		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	57	113		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]	47	294		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	56	111		

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Release No: 0001 SHEET NO:- MX-L2373-A19-0001 IFF

Metal Deck For A19-A20 Steel Bridge

Contract No: For Roads & Bridges Abu Hamour (L2373)	Client Order #	Date	Issue	DOC. NO	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	410	0	Ashwani		09/06/2021

Client Part List #: All Items Are H.D.G. Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit Litres	Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											55	110		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											55	110		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											55	110		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											39	78		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											47	94		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											47	94		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											46	92		
[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											45	180		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											44	88		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											44	88		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											43	86		
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											42	84		
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											41	82		
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											41	82		
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				

Release No / 0903 SHEET NO :- MX-L-2373-A19-0903

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Metal Deck For A19-A20 Steel Bridge

General Nlc For Roads & Bridges(Abu Hamur(2373)	Client Order #	Page	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	Released		[illegible]

Client Part List # All Items Are H.D.G. Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	40	109		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	39	78		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	39	78		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	38	76		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	37	74		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	37	74		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	34	152		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	38	76		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	37	74		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	39	78		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	39	78		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	41	82		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	42	84		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	42	84		
											44	88		

Technical Department
Issued For Construction

Release No : 0001 SHEET NO :- MX-L-2373-A19-0001 IFF

Metal Deck For A19-A20 Steel Bridge

General Site For Roads & Bridges Abu Hamour [173]	Client Order #	Dept.	Item	DOC NO.	Project # MX-L-2373	ORDER # 810	Rev. 0	By Release	Checked	Date 08/05/2021

Client Part List # All Bolts Are H.D.G. Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit Length	Area	Unit Weight	Qty Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											47	47		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											45	91		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											46	92		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											50	100		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											52	105		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											54	109		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											46	93		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											59	118		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											19	37		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											21	34		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											21	42		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											21	42		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											21	47		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											23	47		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				

Release No : 0001 SHEET No :- MX-L-2372-A19-0001 IFF

Metal Deck For A19-A20 Steel Bridge

General Nile Fat Roads & Bridges/Abu Hamur(2372)	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MXA-2372	A19	0	[illegible]		[illegible]

Client Part List # All Items Are H.D.G. Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit Length	Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	23	47		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	24	47		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	26	52		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	34	81		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	30	61		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	26	52		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	28	56		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	29	58		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	19	115		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	19	39		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	20	41		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	20	41		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	23	47		
[illegible]	2	[illegible]	[illegible]	Metal Deck [illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]	23	46		

Release No.: [illegible] SHEET NO.: [illegible]

IFF

Metal Deck For A19-A20 Steel Bridge

Valuers File For Roads & Bridges Job Number(s)	Client Order #	Page	Date	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					[illegible]	[illegible]	1	[illegible]		[illegible]

Client Part List #: All Items Are H.D.G. Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit Litres	Area	Unit Weight	Qty Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											22	45		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											22	45		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											28	60		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											28	60		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											19	38		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											25	51		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											27	54		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											27	54		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											27	54		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											21	41		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											28	56		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
											10	114		
						Total						32,387		

Release No : 0001 SHEET NO : MX-L-2373-A18-0001 IFF

Metal Deck For A19-A20 Steel Bridge

General Site For Roads & Bridges(Abu Humos)(2373)	Client Order #	Dept.	Item	D.O.C. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		[illegible]

Client Part List # All Items Are H.D.G. Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No	Remarks

Total Weight =	20,387	Kg
Total Area =	704	M2
Coating Total Area =	0	M2

energya

1 NOV 2021

Technical Department
Issued For construction

وزارة النقل
الهيئة العامة للطرق والكباري
الإدارة العامة للطرق والكباري لمنطقة القاهرة

الشركة القومية للطرق والكباري

بيان الأعمال بالمستخلص رقم : (١٩) جاري

عملية : انشاء كوبري مزلقان أبو حمص العلوي

رقم البند وبيانه : (٢٧)	بالمتر الطولي لزوم أعمال الليوجرمي من الخرسانة العادية وجه واحد بارتفاع ٨٠ سم وإجهاد لا يقل عن ٢٥٠ كجم /سم٢ مضاف عليها فايبر ٩ كجم/م٣

تنفيذ شركة : النيل العامة للطرق والكباري

الكمية بالمقايسة المجددة رقم ٤ ٢٠٠٠ م.ط مقدار العمل السابق

بيان الأعمال بالمقايسة	الطول (م.ط)	العدد	الإجمالي (م.ط)
لزوم منزل ابوحمص أعلى البريج	٣٠١	١	٣٠١
لزوم مطلع أبوحمص أعلى البريج	٣٣٤	١	٣٣٤
لزوم منزل الكوبري بعد B7	٤٥	١	٤٥
لزوم مطلع الكوبريقبل C11	١٢٠	٢	١٢٠
الإجمالي (بالطن)			٨٠٠

اجمالي مالم تنفيذه حتى تاريخه	٨٠٠
اجمالي الكمية المدرجة بالمستخلص السابق	-
الكمية المدرجة بالمستخلص خلال مدة	٨٠٠
اجمالي الكمية المدرجة بالمستخلص الحالي	٨٠٠

عن الشركة عن الاستشاري عن الهيئة

بيان الأعمال بالمستخلص رقم : [٢٩] جاري

عقد رقم : [illegible] كوري مراقب أبو حسين الحلوي

رقم البند وبيانه : [29-1]	بالشطر الصريح عمل طبقة عازلة من البيتومين والدهان وجهان على أبواب والسعر يشمل كل ما يلزم لهو العمل تهو كاملا وأنت طبقا لأصول الصناعة وتعليمات المهندس المشرف وعلى المقاول تعبيد كافة المياه قبل التنفيذ وكل ما يلزم لهو العمل تهوا كاملا والقياس هندسي وطبقا لأصول الصناعة وتعليمات المهندس المشرف.

تنفيذ شركة : [illegible] العامة للطرق والكباري

الكمية التي تم التعاقد عليها بالمقايسة الأصلية ٣٢٤١ مقدار العمل السابق ١٣٧٥,٢٦

بيان الأعمال بالمقايسة	التوقيت الكيلومتري من	التوقيت الكيلومتري الى	الأبعاد مستطيل م٢	العدد	الاجمالي م٢
من الهوامش والأصبة			٢٩٤,٨١٦	١	٢٩٤,٨١٦
الإجمالي					٢٩٤,٨١٦

اجمالي ما تم تنفيذه حتى تاريخه	١٦٧٠,٠٩
اجمالي الكمية المقدرة بالمستخلص السابق	٠
الكمية المصروفة بالمستخلص خلال مدة	١٦٧٠
اجمالي الكمية المنفذة بالمستخلص الحالي	١٦٧٠

مراقب الشركة — مراقب الاستشاري — مراقب الجهة

عزل خاصة B5				
العنصر	العدد	الطول	الارتفاع	المساحة
العمود	2	0.79	0.6	0.948
	4	0.3	0.6	0.24
	4	0.15	0.6	0.36
	2	0.11	0.6	0.132
	1	0.62	0.6	0.372
جسور الهامة	1	7.1	0.3	2.13
	1	7.1	0.32	2.272
	1	8	0.427	3.416
	1	8	0.6	4.8
	1	7.8	0.3	2.34
	1	8.8	0.39	3.432
الحوائط الساحلي	2	0.2	0.5	0.2
	2	0.4	0.6	0.48
	8	0.4	0.5	0.8
إجمالي عزل الهامة				27.082

عزل أعمدة الأرض الزراعية			
عدد الأعمدة	محيط العمود	الارتفاع	المساحة المقابلة للعزل
37	0.418	0.5	116.733
إجمالي عزل أعمدة الأرض الزراعية			116.733

وزارة النقل
الهيئة العامة للطرق والكباري
الهيئة العامة للطرق والكباري لمنطقة [illegible]

[illegible]
(تنفيذ شركة الهيئة العامة للطرق والكباري)

بيان الأعمال بالمستخلص رقم : (١٩) جاري

عملية : انشاء كوبري مرلقان أبو حمص العلوي

رقم البند وبيانه : (٣٠)	بالمتر المسطح توريد وعمل دهانات بمواد مقاومة للكربنة ذات أساس أكريلك Anti carbonation ومواد مقاومة للعناصر الخرسانية وتوريد مواد معالجة لسطح الخرسانة وذلك باستخدام نظام مواد دهانات مقاومة للكربنة صالح للاستخدام المباشر على سطح الخرسانة على أن تقدم الشركة كتالوج من الجهة الموردة موضحة به الاشتراطات الفنية الخاصة بالتنفيذ والفئة تشمل الشدة المعدنية وكل ما يلزم لتهو العمل طبقا لأصول الصناعة وتعليمات المهندس المشرف

لتنفيذ شركة : الهيئة العامة للطرق والكباري

الكمية بالمقايسة (أ) : ٢م١٦٢٥٠ مقدار العمل السابق : ١٦٢٣٧,٢٣٥

بيان الأعمال والمقايسة	الموقع الكيلو متري		الأبعاد	العدد	الإجمالي م٢
	من	الى	مسطح م٢		
جزء من بند 8.1.6 ES Barts			١٢,٧٦٥	١	١٢,٧٦٥
الإجمالي (م٢)					١٢,٧٦٥

اجمالي مالم تنفيذه حتى تاريخه	١٦٢٥٠
اجمالي الكمية المدرجة بالمستخلص السابق	١٥٢٠٠
الكمية المدرجة بالمستخلص خلال مدة	٩٥٠
اجمالي الكمية المدرجة بالمستخلص الحالي	١٦٢٥٠

عن الشركة — عن الاستشاري — عن الهيئة

[illegible]

[illegible]

بيان الأعمال بالمستخلص رقم ([illegible]) جاري

عقد : [illegible]

رقم البند وبيانه ([illegible])	والبلاط المسطح توريد وعمل زعانف بمواد مقاومة للكشط ذات أساس (الإيبوكسي Epoxy) ومواد مقاومة العناصر الخرسانية وتوريد مواد معالجة لسطح الخرسانة وذلك باستخدام نظام مواد دهانات مقاومة للكشط صالح للاستخدام المباشر على سطح الخرسانة على أن تقدم الشركة كالنموذج من الجهة المورد موضحة به الإشتراطات الفنية الخاصة والعامة تشمل الشدة المعدنية وكل ما يلزم لتمام العمل طبقاً للأصول الصناعة وتعليمات المهندس المشرف

تكلفة شركة : [illegible]

الكمية بالمقايسة (أ) [illegible] مقدار العمل السابق

بيان الأعمال بالمقايسة	الموقع الكيلو مترى من	الى	الأبعاد مسطح م٢	العدد	الإجمالي م٢
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]

الإجمالي [illegible]

اجمالي ما تم تنفيذه على الأرض	[illegible]
اجمالي الكمية المنفذة بالمستخلص السابق	[illegible]
الكمية المنفذة بالمستخلص خلال مدة	[illegible]
اجمالي الكمية المنفذة بالمستخلص الحالي	[illegible]

عن الشركة — عن الاستشاري — عن الجهة

[illegible]

وزارة النقل
الشركة القابضة للتشييد
[illegible]
شركة النيل العامة للطرق والكباري

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثالثة عشر

المقاول شركة النيل العامة للطرق والكباري

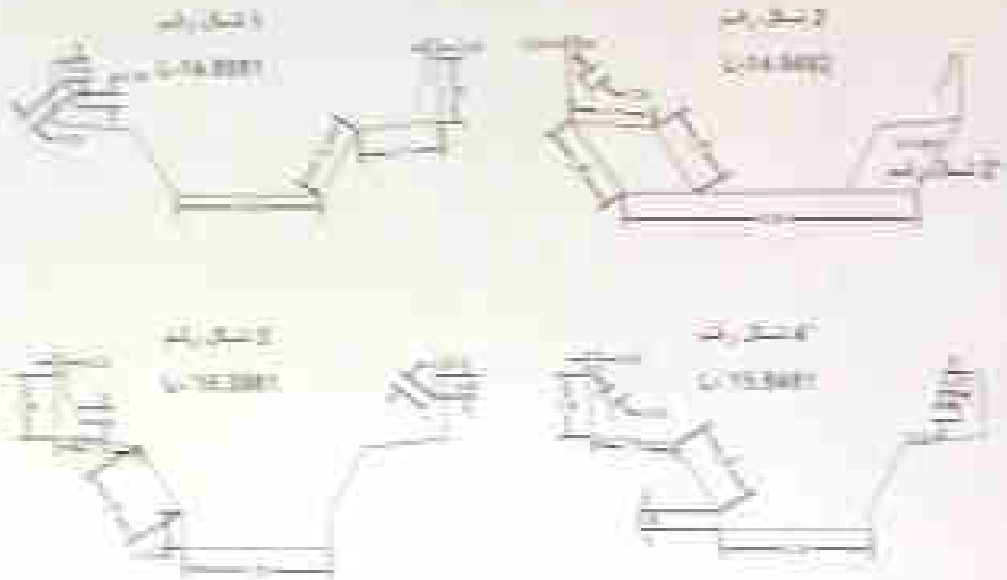
BOX A16-A19

البيان	الشكل	العدد	الطول	العرض	المساحة	العدد	الطول	العرض	مساحة الخصومات	صافي المساحة
		المساحة الكلية				مساحة الخصومات				
[illegible]	رقم ١	١	14.8003	[illegible]	[illegible]					1212.8402
						4	0.5	0.4	0.8	
DIAPHRAGM A17/A18	رقم ١	2	14.9400	2.25	67.271					72.2194
	رقم ٢	8	2.2925		18.34					
						4	3.340		15.582	
DIAPHRAGM A19	رقم ١	1	16.306	1	16.306					31.566
	رقم ١	1	15.648	1	15.648					
						4	0.5	0.4	0.48	
صافي مساحات بلاطة BOX(A16-A19)										1316.7236

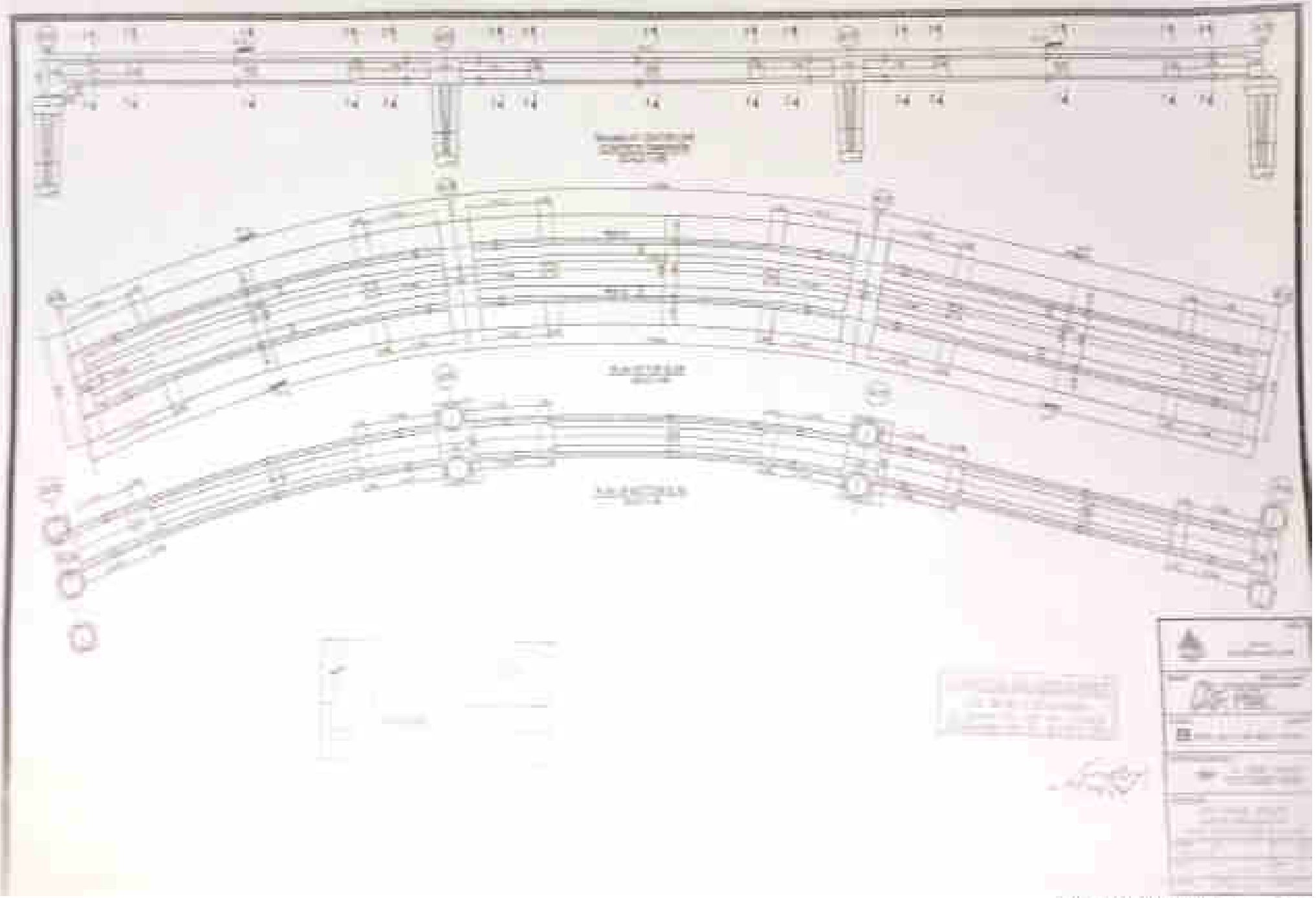
من الهيئة

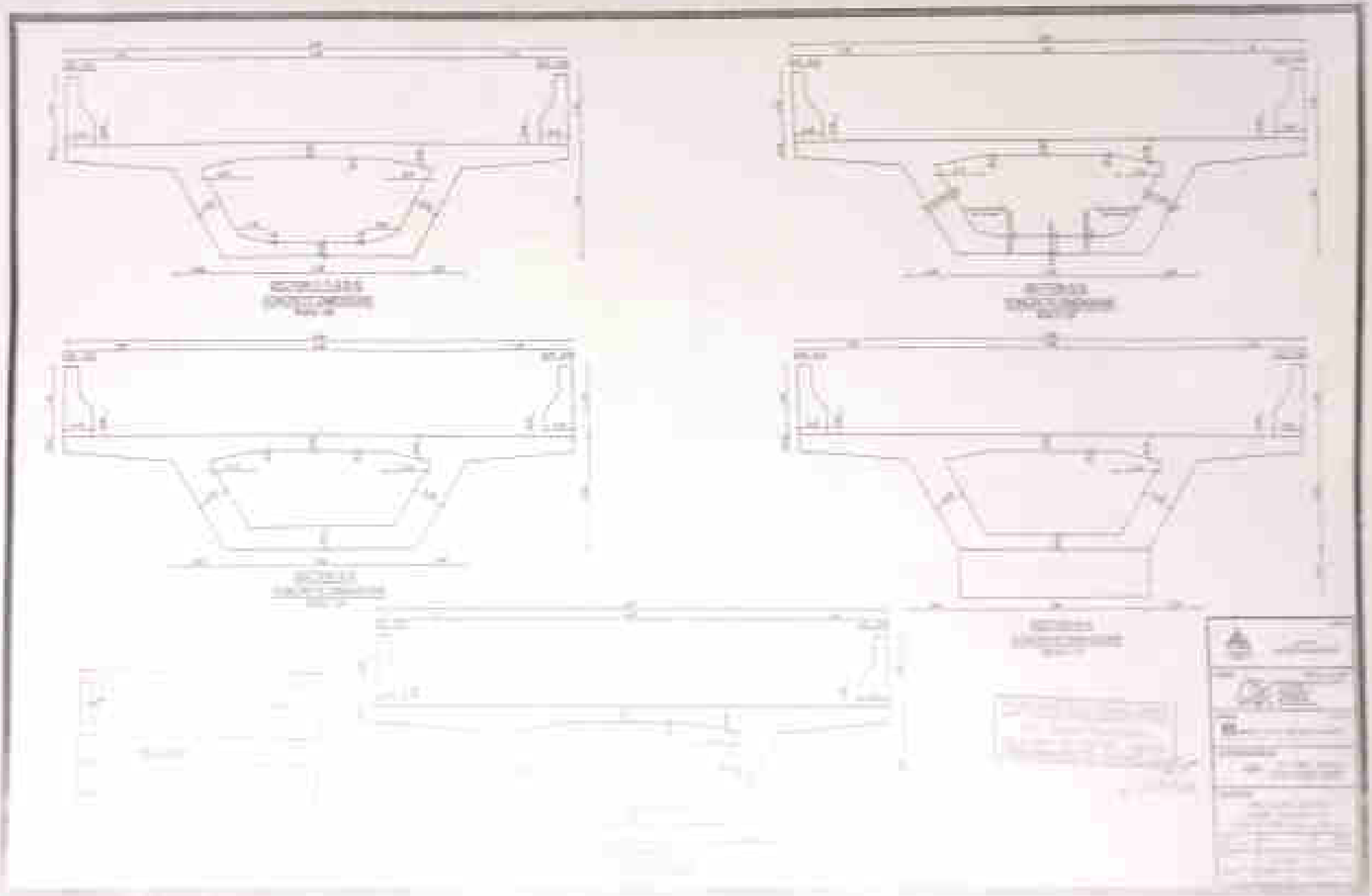
من الاستشاري

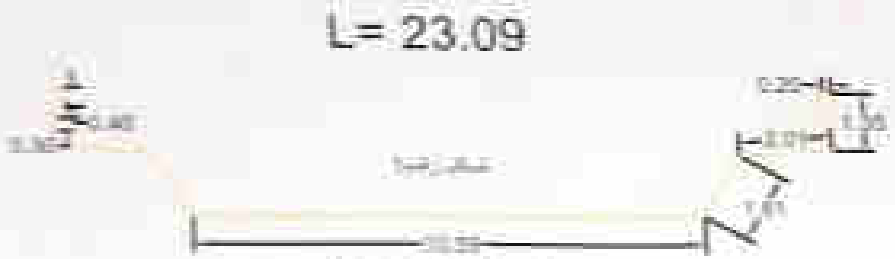
من الشركة



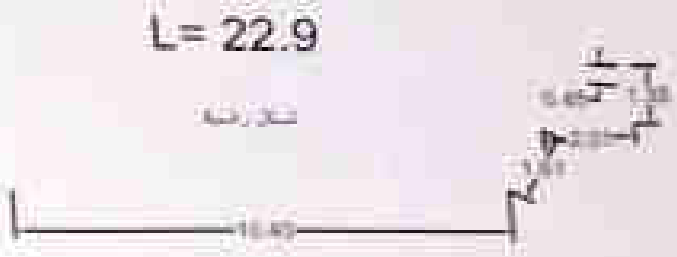
16-19

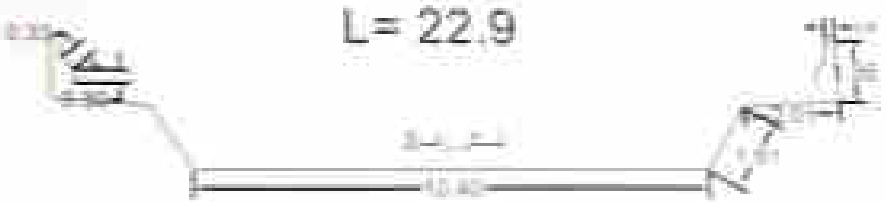




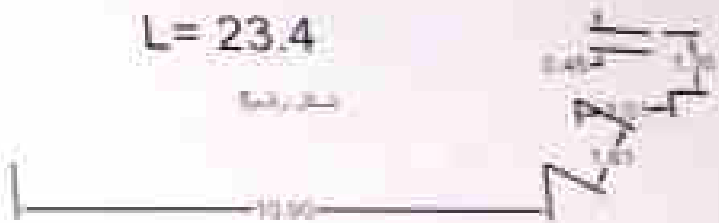


SEC 1-1

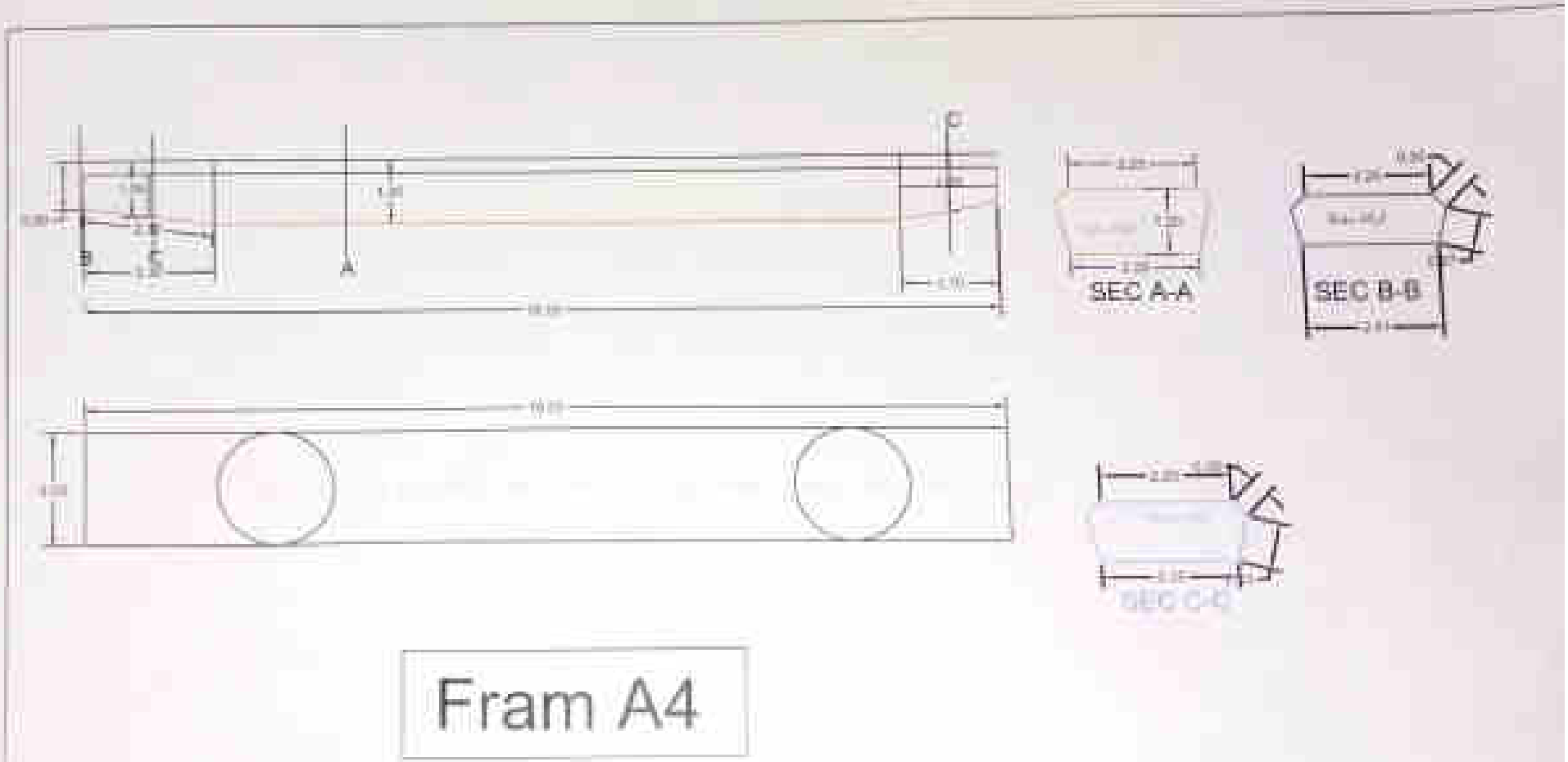




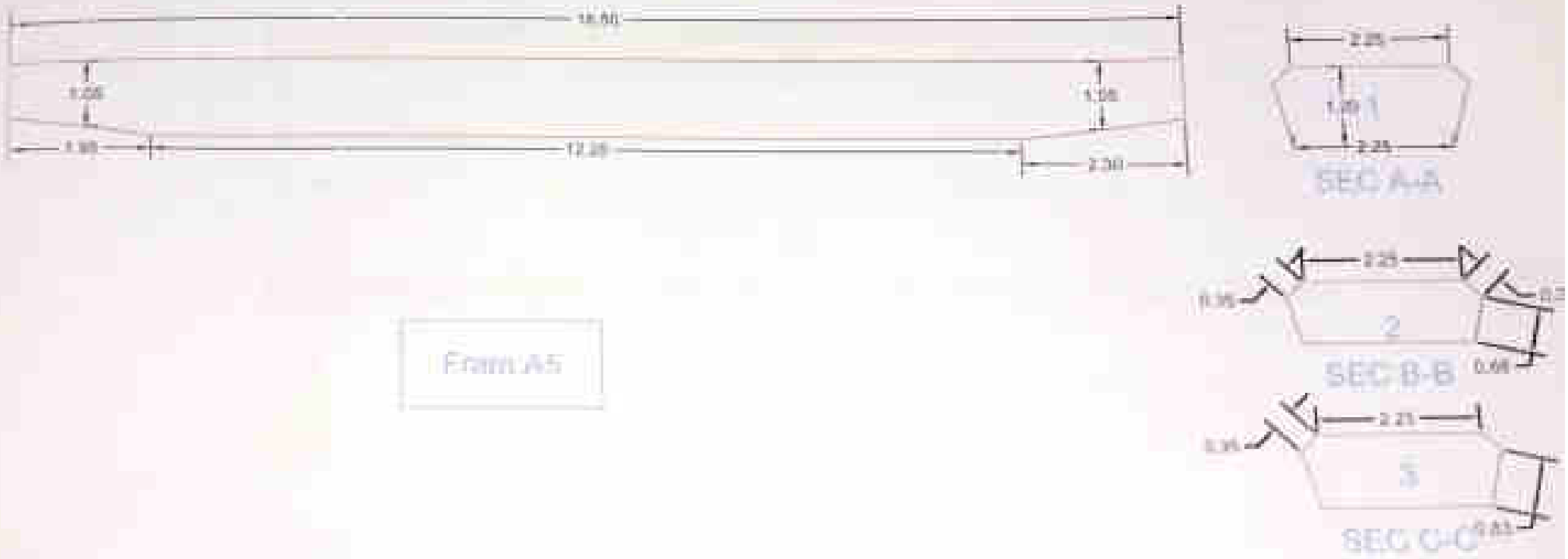
SEC 2-2



A4-5



Fram A4



Frame A5

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثالثة عشر

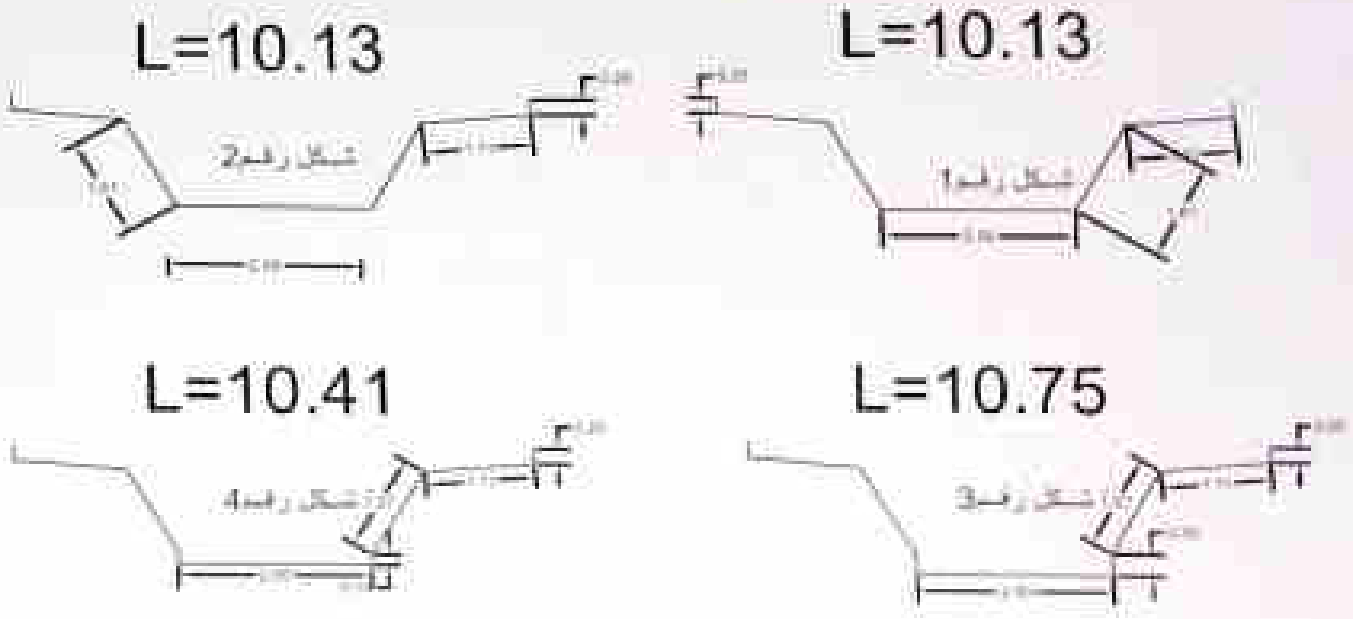
BOX A5-A7

العنصر		الشكل	المساحة الكلية العدد	الطول	العرض	المساحة	مساحة الفتحات العدد	الطول	العرض	مساحة الفتحات	صافي المساحة
البلاطة من الخارج والعرضي	خصم الفتحة خصم بسبب الزنانير	ش ١	1	10.1	20.93	213.368 2	8	0.45	0.35	2 3.365	210.0033
الجزء السفلي الجانب ١		ش ٢	1	15.4	1	15.3817					15.3817
خصم فتحة الزراعة للجانب مع البلاطة							1	0.25	20.2	4.3	-4.3
DIAPHRAM A5		ش ٣	1	10.1	1	10.1281					10.1281
DIAPHRAM A7		ش ٤	1	10.7	1	10.7417					10.7417
الكابولي			1	0.74	25.2	18.7006					18.70092
العرضي			1	2.38	23.47	55.5686					53.55848
إجمالي مسطحات بلاطة BOX (A5.A7)											307.2542

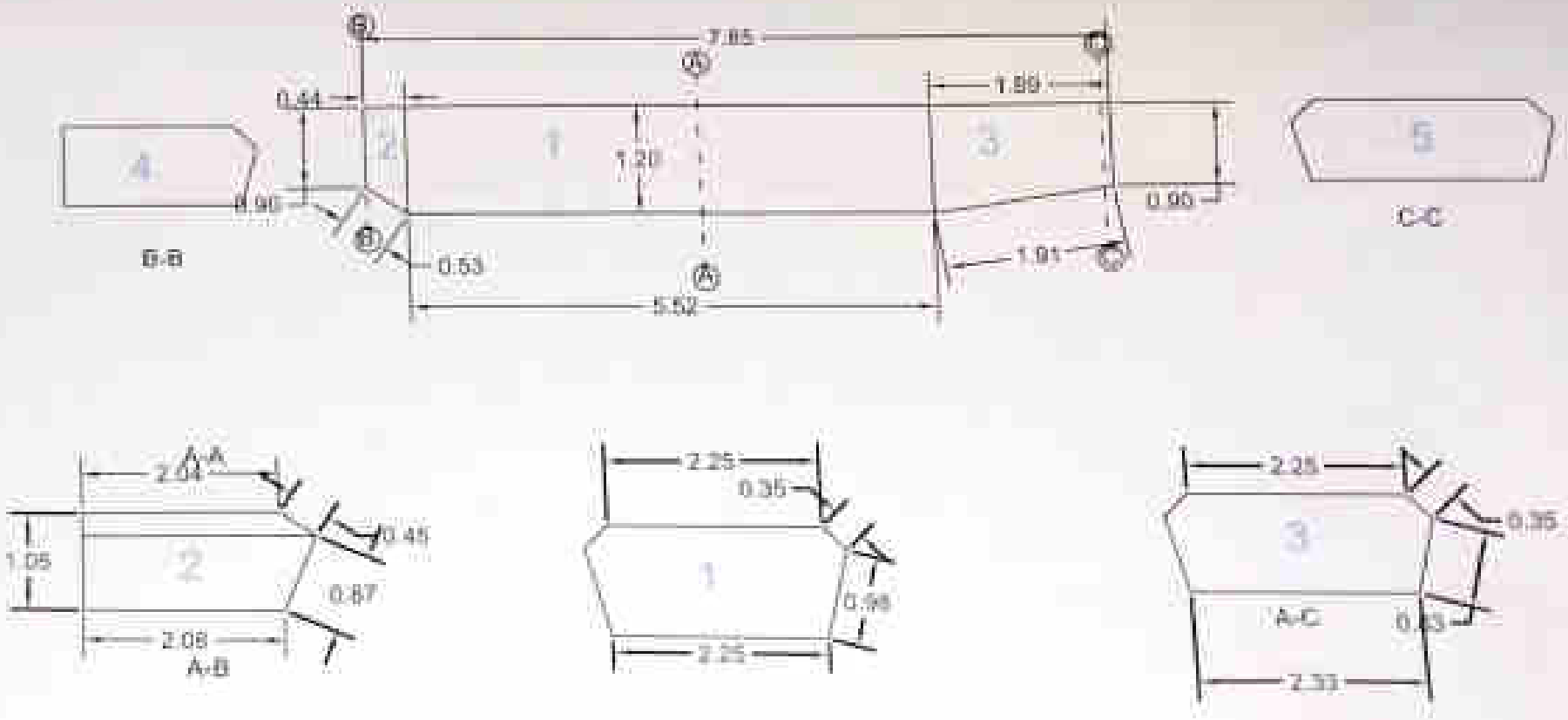
Frame A7

العنصر		الشكل	العدد	الطول	العرض	المساحة	العدد	الطول	العرض	مساحة الفتحات	صافي المساحة
المساحة الجانبية الجزء الأوسط	خصم الأعمدة	ش ١	1	7.17	5.52	39.5784	2		3.348	6.696	32.8824
	خصم بسبب الزنانير					0	2	0.35	0.45	0.315	-0.315
							2	0.3	0.4	0.24	-0.24
	خصم بسبب الزنانير						1	0.4	0.5	0.2	-0.2
المساحة الجانبية الجزء الأمامي		ش ٢	1	6.48	0.44	2.85032					2.85032
المساحة الجانبية الجزء الخلفي		ش ٣	1	2.34	5.60	13.1173					13.11735
جانب الهيئة الأمامي		ش ٤	1		1.776	1.776					1.776
جانب الهيئة الخلفي		ش ٥	1		2.3013	2.3013					2.3013
إجمالي مسطحات FRAME A7											52.17237

عن الهيئة　　　　عن الاستشاري　　　　عن الشركة



a5-a7



Form A7

[illegible]

[illegible]

[illegible]

[illegible]

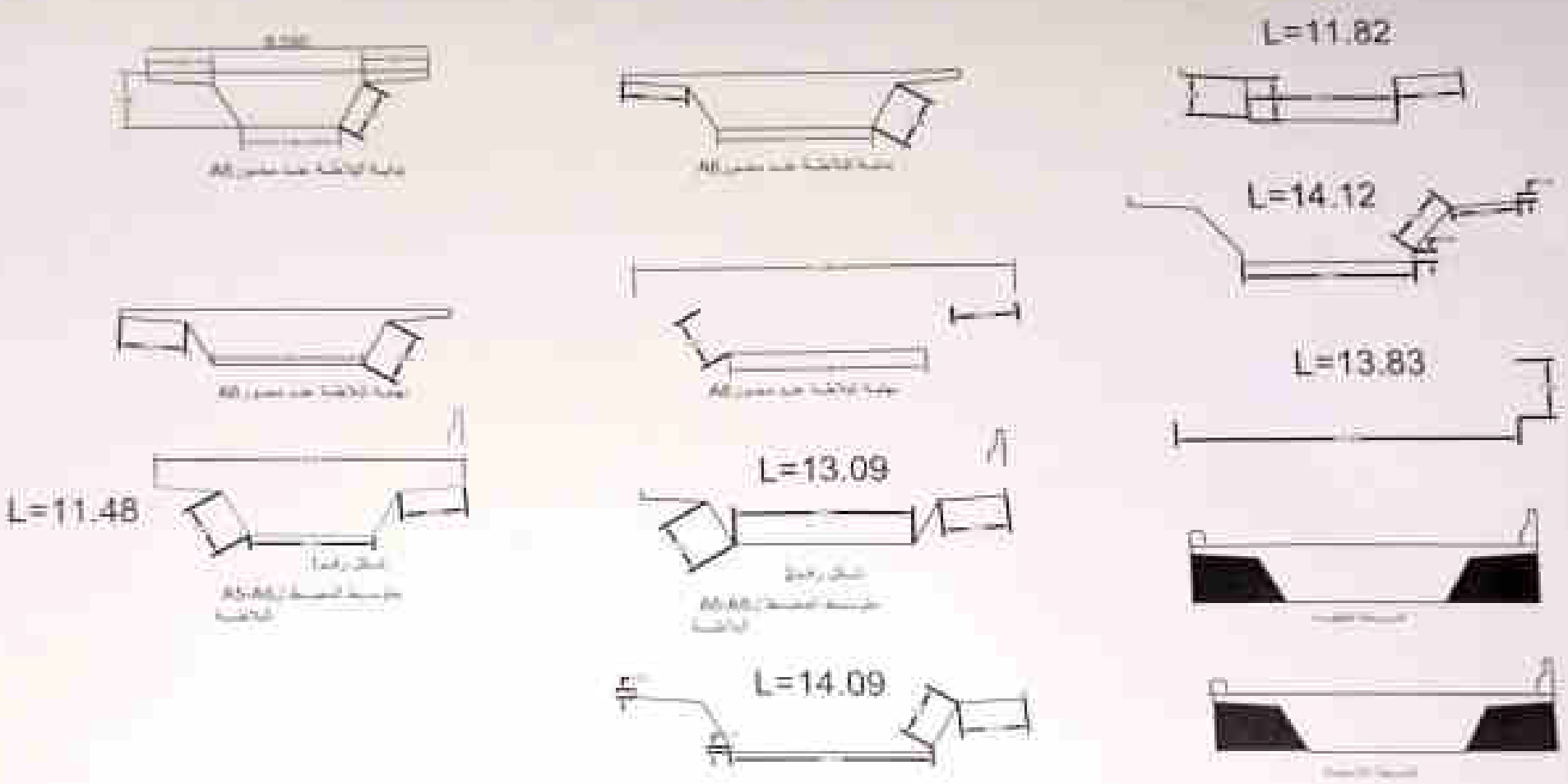
frame A8

العنصر		الشكل	العدد	الطول	العرض	المساحة	العدد	الطول	العرض	مساحة المطروحات	صافي المساحة
الحائط من الخارج A8-A8	[illegible] فتحة [illegible]	[illegible]	1	17.6	27.31	244.838	2 2	 0.40	3.500 0.30	5.696 0.376	237.4279
الحائط من الداخل A8-A8	[illegible]	[illegible]	1	15.1	17.34	227	2	0.4	0.0	0.4	226.5
						0				0	0
[illegible]		SECT	1	14.1	1	14.06				0	14.06
[illegible]							4	3.20	41.63	[illegible]	[illegible]
DIAPHRAGM A1		SEC-5	1	11.6	1	11.60					11.60
DIAPHRAGM A			2		0.96	7.72					7.72
DIAPHRAGM A2		SEC-6	1	14.1	1	14.12					14.12
DIAPHRAGM A3		SEC-7	1	13.9	2.25	31.1175					31.1175
DIAPHRAGM A1			2		2.106	8.952					8.952
DIAPHRAGM A			2		3.52	7.04					7.04
[illegible]			1	1.72	41.63	[illegible]					[illegible]
[illegible]			1	2.75	[illegible]	[illegible]					[illegible]
صافي [illegible] (A8 A8/BOX											[illegible]

frame A8

العنصر		الشكل	العدد	الطول	العرض	المساحة	العدد	الطول	العرض	مساحة المطروحات	صافي المساحة
[illegible]	[illegible] [illegible] [illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	2 4 2	 [illegible] [illegible]	[illegible] [illegible] [illegible]	[illegible] [illegible] [illegible]	[illegible] [illegible] [illegible]
[illegible]		[illegible]	1	[illegible]	[illegible]	[illegible]					[illegible]
[illegible]		[illegible]	1	[illegible]	[illegible]	[illegible]					[illegible]
[illegible]		[illegible]	1	[illegible]	[illegible]	[illegible]					[illegible]
[illegible]		[illegible]	1		[illegible]	[illegible]					[illegible]
[illegible]		[illegible]	1		[illegible]	[illegible]					[illegible]
صافي [illegible] FRAME A8											[illegible]

[illegible] [illegible] [illegible]

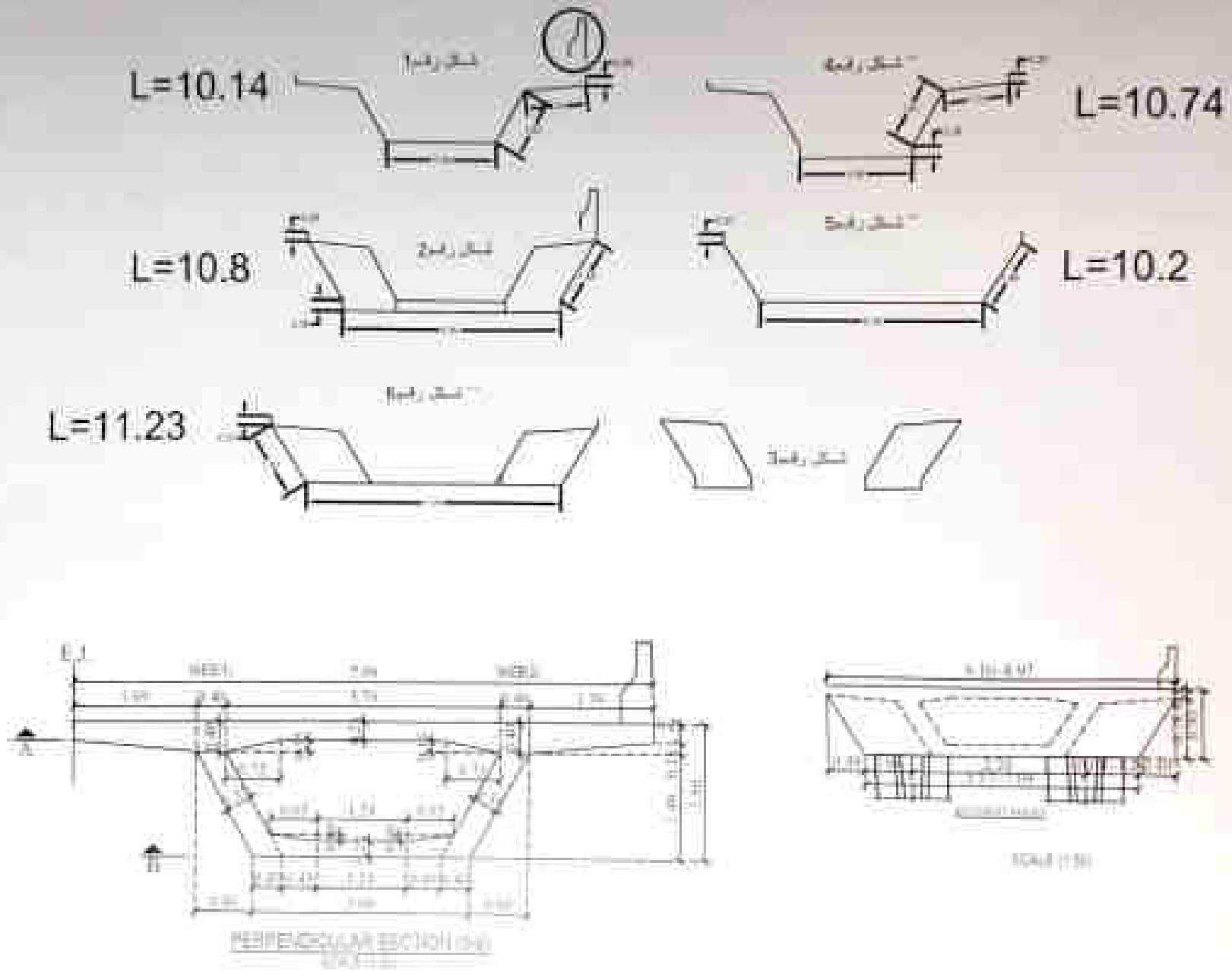


A5-8

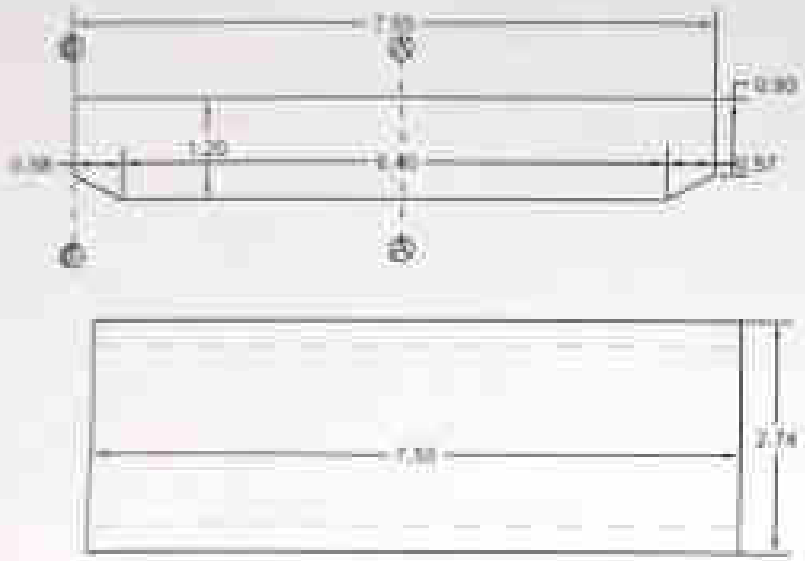
[illegible]

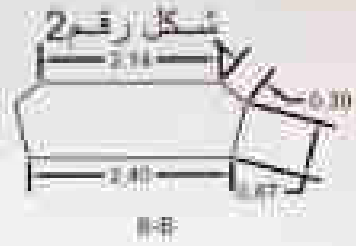
[illegible]

						BOX A9-A12					
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	1	10.74	1	10.74				0	10.74
DIAPHRAGM A12		[illegible]	1	12.2344	1	12.2344				0	12.2344
DIAPHRAGM A12			2	2.28		4.56				0	4.56
DIAPHRAGM A11		[illegible]	1	11.23	[illegible]	11.23				0	11.23
DIAPHRAGM A11			4	[illegible]		[illegible]				0	[illegible]
DIAPHRAGM A9		[illegible]	1	10.6	1	10.6				0	10.6
DIAPHRAGM A9		[illegible]	2	[illegible]		[illegible]				0	[illegible]
[illegible]						0	[illegible]	0.25	[illegible]	[illegible]	[illegible]
[illegible]			1	[illegible]	[illegible]	[illegible]				0	[illegible]
[illegible]			1	[illegible]	[illegible]	[illegible]				0	[illegible]
					(A9-A12)BOX [illegible]						888.7402
						frame A9					
[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	1	[illegible]	[illegible]	[illegible]					[illegible]
[illegible]		[illegible]	1	[illegible]	[illegible]	[illegible]					[illegible]
[illegible]		[illegible]	1	[illegible]		[illegible]					[illegible]
					FRAME A9 [illegible]						[illegible]

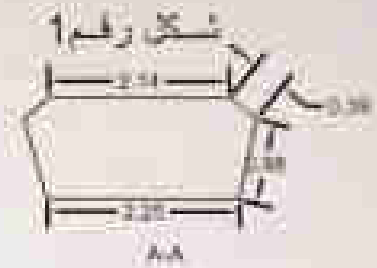


a9-a12





قطاع شكل



قطاع (أ)

Fram A9

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثالثة عشر

BOX A10-A12

العنصر		الشكل	العدد	المساحة الكلية الطول	المساحة الكلية العرض	المساحة الكلية المساحة	مساحة الخصومات العدد	مساحة الخصومات الطول	مساحة الخصومات العرض	مساحة الخصومات	صافي المساحة
[illegible]	[illegible]	[illegible]	1	18.4	34.826	641.223	2		3.348	6.696	634.527
	[illegible]						3	2.4	3.5	7.9	-7.9
DIAPHRAM A12		[illegible]	1	19.7	1	19.737				0	19.737
DIAPHRAM A11		[illegible]	1	18.8	2.25	42.74				0	42.30
[illegible] DIAPHRAM A11		[illegible]	4		4.00	16.2				0	16.2
DIAPHRAM A12		[illegible]	1	[illegible]	1	16.3860				0	16.3860
[illegible]						0	1	2.25	36.75	9.1875	-9.1875
[illegible]			1	0.74	36.75	27.2722				0	27.27218
[illegible]			1	2.36	42.76	100.498				0	100.4858
إجمالي مساحة (A10:A12)BOX											840.8152

frame A10

العنصر		الشكل	العدد	الطول	العرض	المساحة	العدد	الطول	العرض	مساحة الخصومات	صافي المساحة
المساحة الجانبية	[illegible]	[illegible]	1	7.17	14.25	102.173	3		3.344	10.032	92.2017
	[illegible]					2	4	0.45	0.55	1.98	-1.98
[illegible]		[illegible]	2			8					8
إجمالي مساحة FRAME A10											98.2[illegible]

frame A12

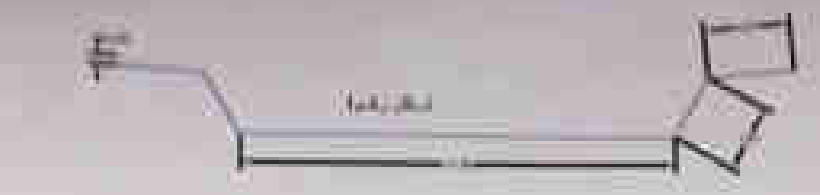
العنصر		الشكل	العدد	الطول	العرض	المساحة	العدد	الطول	العرض	مساحة الخصومات	صافي المساحة
المساحة الجانبية	[illegible]	[illegible]	1	7.17	19.02	137.040	5		3.344	16.74	121.152
	[illegible]		2	6.04	1	15.981	12	0.45	0.55	2.97	13.011
[illegible]		[illegible]	2		2.3025	4.6050					4.6050
إجمالي مساحة FRAME A12											138.6169

عن الشركة

عن الاستشاري

عن الهيئة

عماد



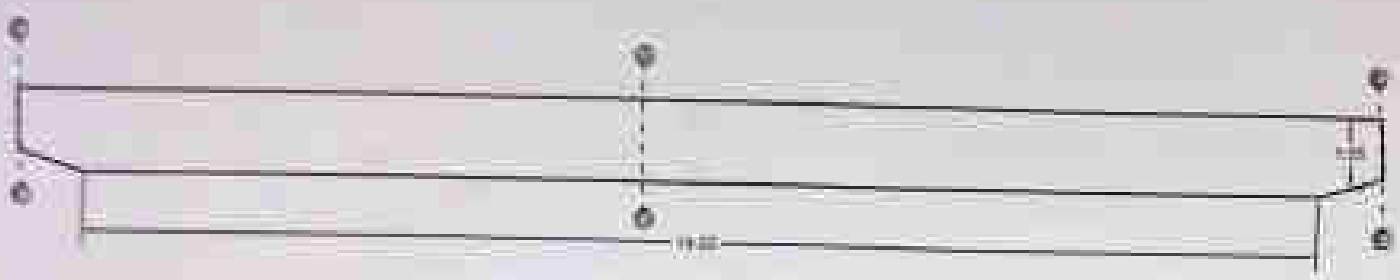
L=19.737

L=18.36

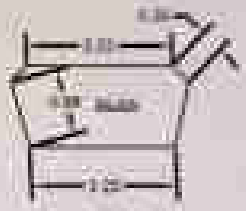
L=18.84

L=18.84

a10-a12

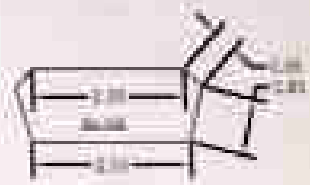


A12



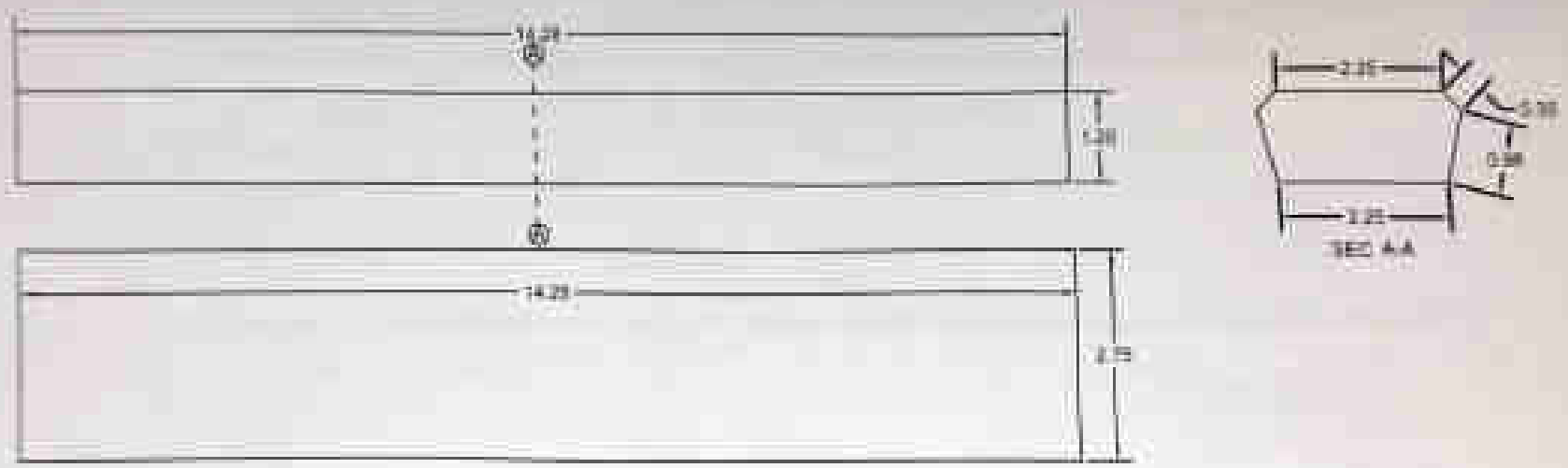
شكل رقم1

شكل رقم3



شكل رقم2

Fram A12



Fram A10

[illegible]

BOX A12 - A14

[illegible]

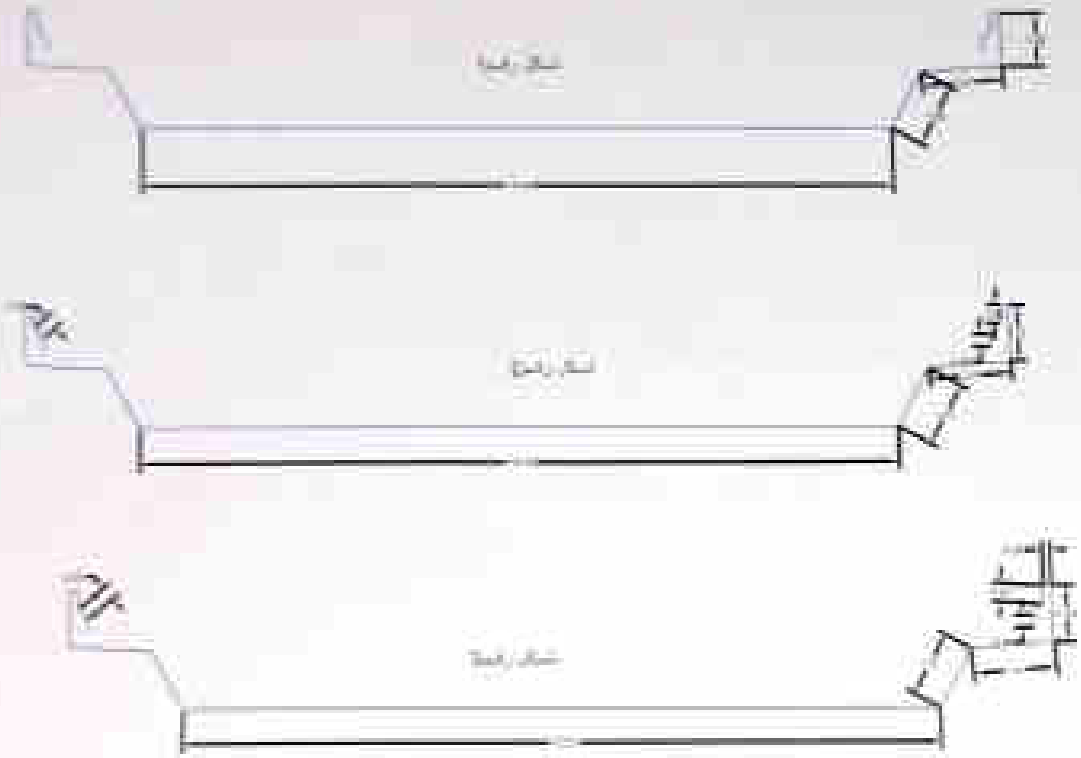
frame A12

[illegible]

frame A14

[illegible]

عماد

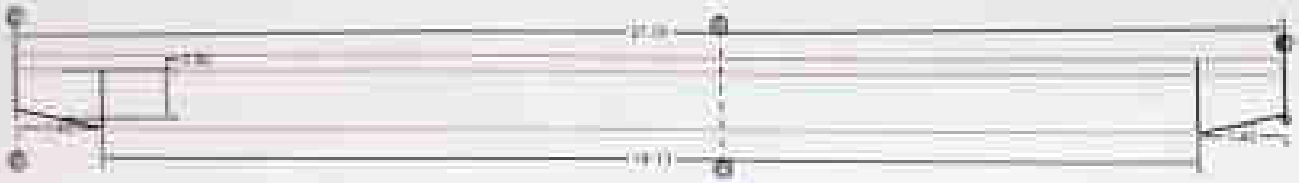


L=30.9

L=30.9

L=30.5

A12-14

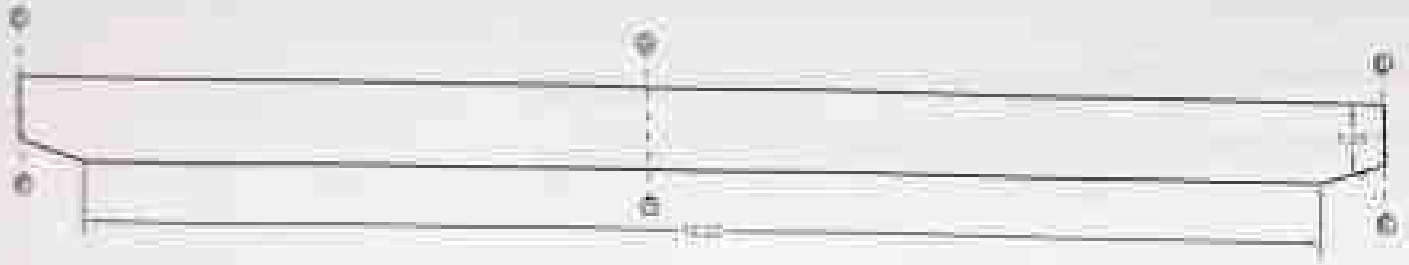


شكل رقم1

شكل رقم2

شكل رقم3

Fram A14



A12

شكل رقم1

شكل رقم3

شكل رقم2

Fram A12

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري [illegible]

[illegible] شركة النيل العامة للطرق والكباري

العنصر		العدد	المساحة الكلية: الطول	العرض	المساحة	مساحة الخصومات: العدد	الطول	العرض	مساحة الخصومات	صافي المساحة
FRAMES										
frame A15										
سطح الهيكل من الخارج	خصم [illegible]	1	11.283	2.25	25.342	[illegible]	3.349		11.144	[illegible]
سطح الهيكل من الداخل	خصم الرتاج	1	11.283	2.25	25.342	2	[illegible]	[illegible]	[illegible]	[illegible]
						4	[illegible]	[illegible]	[illegible]	1.95
جانب الهيكل الخارجي		1	[illegible]	0.25	[illegible]					[illegible]
		1	[illegible]	[illegible]	[illegible]					[illegible]
جانب الهيكل الداخلي		1	2.5	0.25	0.625					0.625
		1	[illegible]	[illegible]	1.677					1.677
جوانب الهيكل		1	[illegible]	[illegible]	[illegible]					[illegible]
		1	[illegible]	[illegible]	[illegible]					[illegible]
		1	[illegible]	[illegible]	[illegible]					[illegible]
		1	[illegible]	[illegible]	[illegible]					[illegible]
		2	1	[illegible]	[illegible]					[illegible]
الإجمالي										[illegible]

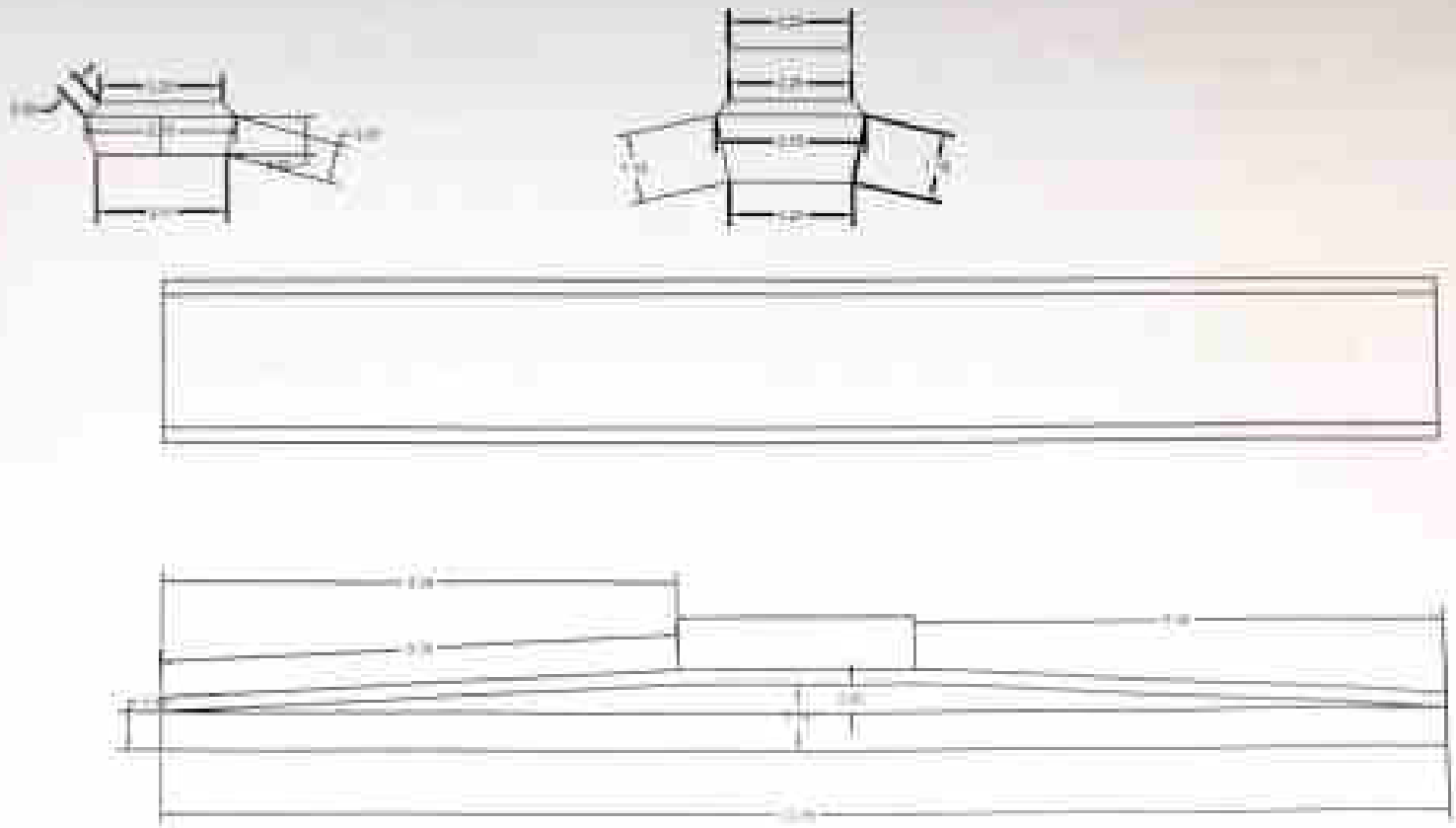
العنصر		العدد	المساحة الكلية: الطول	العرض	المساحة	مساحة الخصومات: العدد	الطول	العرض	مساحة الخصومات	صافي المساحة
frame A16										
سطح الهيكل من الخارج	خصم الفتحة	2	[illegible]	[illegible]	[illegible]	4	3.349		[illegible]	[illegible]
		1	4.29	2.25	9.6525					9.6525
سطح الهيكل من الداخل	خصم الرتاج	2	[illegible]	2.25	[illegible]	4	[illegible]	[illegible]	1.8	[illegible]
		1	4.29	2.25	9.6525	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
جانب الهيكل الخارجي		1	2.5	0.25	0.625					0.625
		1	[illegible]	[illegible]	1.677					1.677
جانب الهيكل الداخلي		1	2.5	0.25	0.625					0.625
		1	[illegible]	[illegible]	1.677					1.677
جوانب الهيكل		2	[illegible]	[illegible]	[illegible]					[illegible]
		2	4.29	[illegible]	[illegible]					[illegible]
		2	[illegible]	[illegible]	4.05					4.05
		2	4.29	[illegible]	7.722					7.722
		2	[illegible]	[illegible]	[illegible]					[illegible]
		2	[illegible]	[illegible]	[illegible]					[illegible]
الإجمالي										[illegible]

عن الشركة

عن الاستشاري

عن الهيئة

عماد



FRAME
A 16

وزارة النقل
شركة الشيخة لمشروع جسر
الطرق و الكباري و النقل البري (ش . م . ك)
الجسر الطرق والكباري
ش . م . ك

الهيئة العامة
للطرق و المواصلات و النقل البري
(CLEARANCE)

وزارة النقل
الهيئة العامة للطرق و النقل البري
الهيئة العامة للطرق و النقل البري المنطقة الثالثة عشر

تنفيذ شركة الشيخ العامة للطرق والكباري

بيان داخلي المنشآت و / أو المنشآت الإضافية والمرافق داخل الطرق أو أراضي						
البند	العدد	الأبعاد			الطول	المساحة (م٢)
		العرض	الارتفاع	الإجمالي		
الرصيف يمين ويسار الكوبري	١	٠,٣٥	٠,٢٥	٠,٢	٤٩٨,٨	٩٠٠,١٩٥
كوبستة الكوبري	١			٢	٢٠٠,٠	٢٠٠,٠
علامة الكوبري	١			٢	٢٠٠,٠	٢٠٠,٠
إجمالي مساحة الدهانات (م٢)						١٩٥,٠٠٠

عن شركة

عن الاستشاري

عن الهيئة

[illegible]

[illegible]

بيان الأعمال بالمستخلص رقم: (٢٠) جاري

عقد: انشاء كوري موقف أو صيفي العيون

رقم البند وبيانه: (٣٠١)	بالبند الطول جوزه وعمل الواصل تحت في أعمال الكوري من THERMAL CONT ويتضمن الشكالات الموضحة بالرسومات وكل ما يزم طبقة الموصلات الكلية والسعر يشمل التوريد وتركيب جميع الأجزاء والبند عناصر ذات تعدد بالجهة (٢٠/١/٢٢) هو والسعر يشمل كل ما يزم طبقة الأعمال الصناعية والرسومات والمواصفات وتعليمات المهندس المشرف

الكمية متوقعة: الفرق الجملة الطريق والكباري

الكمية بالمطابقة (٤) | (٨) م.ط. مقدار العمل السابق

بيان الأعمال بالمطابقة	الموقع الكيلومتري من	الى	الأبعاد طول م.ط	العدد	الاجمالي م٢
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
الاجمالي (م٢)					[illegible]

اجمالي ما تم تنفيذه حتى تاريخه	[illegible]
اجمالي الكمية المصرحة بالمستخلص السابق	[illegible]
الكمية المنفذة بالمستخلص خلال مدة	[illegible]
اجمالي الكمية المصرحة بالمستخلص الحالي	[illegible]

عن الشركة

عن الاستشاري

عن الجهة

كوبرى مزلقان أبوحمص

فواصل التمدد وأنواعها وأطوالها

THERMAL EXPANSION JOINTS

AXIS	LENGTH (M)
A00	14.2
A1	14.2
A4	14.2
A5	14.7
A12	21.8
A14	22.2
A16	21.4
A25	7.1
C5	7.1
B5	7.1
LONGITUDINAL JOINT A14-16	10
TOTAL	**154**

وزارة النقل
الهيئة العامة للطرق والكبارى
الهيئة العامة للطرق والكبارى المنطقة الثالثة عشر

تنفيذ شركة النيل العامة للطرق والكبارى

بيان الاعمال بالمستخلص رقم : (١٩) جارى

عملية : انشاء كوبرى مزلقان أبو حمص العلوى

رقم البند وبيانه : (٣٦)	بالعدد توريد وتركيب واختبار عامود إنارة ١٠ متر حديد مجلفن مسلوب ٣/٨ بوصة بذراع طوله ١ متر قطر ٢ بوصة بقلنشة سمك ١٥ سم

تنفيذ شركة : النيل العامة للطرق والكبارى

الكمية بالمقايسة المجددة رقم٤	١٠٠ بالعدد	مقدار العمل السابق	٦٠		
بيان الاعمال بالمقايسة	الأبعاد			العدد	الإجمالى بالعدد
	طول	عرض	سمك		
بالعدد توريد وتركيب واختبار عامود إنارة ١٠ متر حديد مجلفن مسلوب ٣/٨ بوصة بذراع طوله ١ متر قطر ٢ بوصة بقلنشة سمك ١٥ سم				٢٣	٢٣
الاجمالى					٢٣

اجمالى ماتم تنفيذه حتى تاريخه	٨٣
اجمالى الكمية المدرجة بالمستخلص السابق	٦٠
الكمية المدرجة بالمستخلص خلال مدة	٢٣
اجمالى الكمية المدرجة بالمستخلص الحالى	٨٣

عن الشركة

عن الاستشارى

عن الهيئة

وزارة النقل
الهيئة العامة للطرق والكباري
الهيئة العامة للطرق والكباري المنطقة الثالثة مصر

تنفيذ شركة النيل العامة للطرق والكباري

بيان الاعمال بالمستخلص رقم : (١٩) جارى

عملية : انشاء كوبرى مزلقان أبو حمص العلوى

رقم البند وبيانه : (٣٩)	بالمتر الطولي توريد وتركيب كابل قطاع ٢٥ × ٤ مم٢ ألومنيوم مسلح داخل ماسورة P.V.C قطر ٣ بوصة ومحمل على بند غرف التفتيش وكل ما يلزم لتنهو العمل طبقا لأصول الصناعة وتعليمات المهندس المشرف

تنفيذ شركة : النيل العامة للطرق والكباري

الكمية بالمقايسة المجددة رقم٤	٤٥٠٠ م.ط	مقدار العمل السابق	٢٤٠٠	
بيان الاعمال بالمقايسة	الابعاد طول	عرض	سمك	الكمية	الاجمالى
بالمتر الطولي توريد وتركيب كابل قطاع ٢٥ × ٤ مم٢ ألومنيوم مسلح داخل ماسورة P.V.C قطر ٣ بوصة ومحمل على بند غرف التفتيش وكل ما يلزم لتنهو العمل طبقا لأصول الصناعة وتعليمات المهندس المشرف				١٦٠٠	١٦٠٠
الاجمالى					١٦٠٠

اجمالى ما تم تنفيذه حتى تاريخه	٤٠٠٠
اجمالى الكمية المدرجة بالمستخلص السابق	٢٤٠٠
الكمية المدرجة بالمستخلص خلال مدة	١٦٠٠
اجمالى الكمية المدرجة بالمستخلص الجارى	٤٠٠٠

عن الشركة | عن الاستشارى | عن الهيئة

[illegible]

[illegible]

بيان الاعمال بالمستخلص رقم (١٦) جاري

تسمية : انشاء الطريق مراعات أبو حميس العلوي

رقم البند وبيانه : ([illegible])	بالامر التكليف اعمال تعديل ونقل تربة صالحة لزراعة وتوزيعها بمواصفات وتشغيلها باستخدام الات ميكانيكية بمسافة الاوزيع من ٢٠ متر لاستكمال الجسور التصميمي لنسبة تعديل لا يقل عن (٦٠) وزنها بالمواد الاصولية الموصول الى نسبة الرطوبة المطلوبة والمدك الجيد بالهزازات الموصول الى اقصى كثافة جافة (٩٦٪ من [illegible] المعدل)

تنفيذ شركة : [illegible]

الكمية بالمقايسة المعتمدة ([illegible])

مقدار العمل السابق

بيان الاعمال بالمقايسة	الموقع (الكيلو متر) من	الى	الكمية بالمقايسة	العدد	الاجمالي
			[illegible]	١	[illegible]
[illegible]			[illegible]	٠	[illegible]
رفع الخلوع الايسر بجانب الاوزيع لسفل مقل الكوري (من الاوزيع وسوى السكة الجديدة)			[illegible]	٠	[illegible]
رفع الزوم لتغطية جوانب الجرحة الثالثة بالاوزيع			[illegible]	٠	[illegible]
رفع ردم لتغطية جوانب الجرحة الرابعة الاوزيع			[illegible]	٠	[illegible]
رفع السفل لمحور السكة الجديدة			[illegible]	١	[illegible]
رفع الارض الزراعية و رفع ٢ الزوم لتغطية جوانب الارض الزراعية			[illegible]	١	[illegible]
رفع السفل بالاحداث من ٤٤٥ الى ٤٥ لزوم التأسيس للمدة الجديدة			[illegible]	٠	[illegible]
رفع الزوم لتغطية الجوانب بمحور السكة الجديدة A7 & A8			[illegible]	١	[illegible]
رفع السفل رفع ١ الزوم لتغطية جوانب الارض الزراعية			[illegible]	١	[illegible]
رفع جبل بطرح الاوزيع لسفل الى [illegible]			[illegible]	١	[illegible]
الاجمالي					[illegible]

اجمالي ما تم تنفيذه منذ البداية	[illegible]
اجمالي الكمية المنفذة بالمستخلص السابق	
الكمية المنفذة بالمستخلص الحالي	[illegible]
اجمالي الكمية المنفذة بالمستخلص الحالي	[illegible]

من الشركة — من الاستشاري — من الجهة

الهيئة العامة
للطرق و الكباري و النقل البري
(GAHRLT)

وزارة النقل
الشركة القابضة لمشروعات
الطرق و الكباري و النقل البري (ش . م . م)
شركة النيل العامة للطرق والكباري
(ش . م . م)

وزارة النقل
الهيئه العامه للطرق و الكباري
الهيئه العامه للطرق و الكباري المنطقه الثالثه عشر

تنفيذ شركة النيل العامة للطرق والكباري

توريد وردم اتربة صالحه للردم أحول مخرج البرنج أسفل الكم 6106

العنصر	الطول	العرض	الارتفاع	الحجم	العدد	الاجمالي ب م٣
1	132.92	17.2	2.5	5715.56	1	5715.56
			الاجمالي			5715.56

عن الشركة

عن الاستشاري

عن الهيئة

شبكة الأرض المرجعية الرئيسية للمصرف أبي حليفة			
POINT	EASTING	NORTHING	elev
P1	548699.13	930591.487	46.507
P2	548703.662	930589.562	46.281
P3	548714.997	930585.89	45.247
P4	548729.387	930583.533	46.431
P5	548725.1055	930581.1915	46.24
P6	548730.315	930579.464	46.407
P7	548748.694	930574.877	46.413
P8	548765.732	930570.929	46.368
P9	548775.008	930566.727	46.54
P10	548791.714	930563.116	46.711
P11	548807.946	930561.39	46.22
P12	548810.894	930561.056	46.632
P13	548825.778	930560.491	46.352
P14	548819.994	930548.875	46.964
P15	548819.672	930544.758	46.552
P16	548818.988	930541.235	46.721
P17	548812.04	930540.035	46.663
P18	548810.954	930537.727	46.573
P19	548809.837	930539.837	46.532
P20	548806.033	930540.365	46.171
P21	548805.114	930537.541	46.399
P22	548804.675	930536.302	46.771
P23	548804.286	930532.72	45.964
P24	548803.347	930546.991	46.731
P25	548802.227	930543.159	46.115
P26	548790.557	930601.812	46.142
P27	548788.657	930537.066	46.914
P28	548788.298	930555.343	46.372
P29	548792.2289	930551.4081	46.337
P30	548797.346	930548.91	46.314
P31	548781.203	930544.147	46.887
P32	548781.229	930541.861	46.611
P33	548774.0955	930566.2775	46.772
P34	548773.2823	930562.0128	46.914
P35	548771.7837	930559.3573	46.113
P36	548767.7355	930556.6085	46.708
P37	548766.8245	930555.2736	46.789
P38	548765.352	930549.937	46.564
P39	548765.366	930549.832	46.132
P40	548751.403	930552.030	46.417

شبكة الإحداثيات المرجعة الرئيسية لمستوفى تل طيفة			
POINT	EASTING	NORTHING	elev
P41	548757.146	930567.918	46.951
P42	548752.458	930565.509	46.832
P43	548747.6548	930561.8098	46.971
P44	548746.704	930560.855	46.357
P45	548745.518	930556.345	46.99
P46	548745.617	930550.099	46.162
P47	548735.185	930576.139	46.692
P48	548732.9709	930574.7241	46.844
P49	548765.1977	930572.5768	46.525
P50	548734.549	930570.5928	46.354
P51	548729.4719	930576.2906	46.755
P52	548725.1301	930578.1807	46.963
P53	548718.459	930570.452	46.41
P54	548718.157	930569.87	46.222
P55	548717.137	930569.514	46.928
P56	548716.555	930569.118	46.904
P57	548717.9053	930581.4141	46.776
P58	548696.028	930589.989	46.937
P59	548696.68	930583.6017	46.963
P60	548695.8787	930581.1364	46.711
P61	548694.81	930578.265	46.73
P62	548694.326	930574.573	46.598
P63	548693.909	930573.71	46.584
P64	548693.951	930572.238	46.229

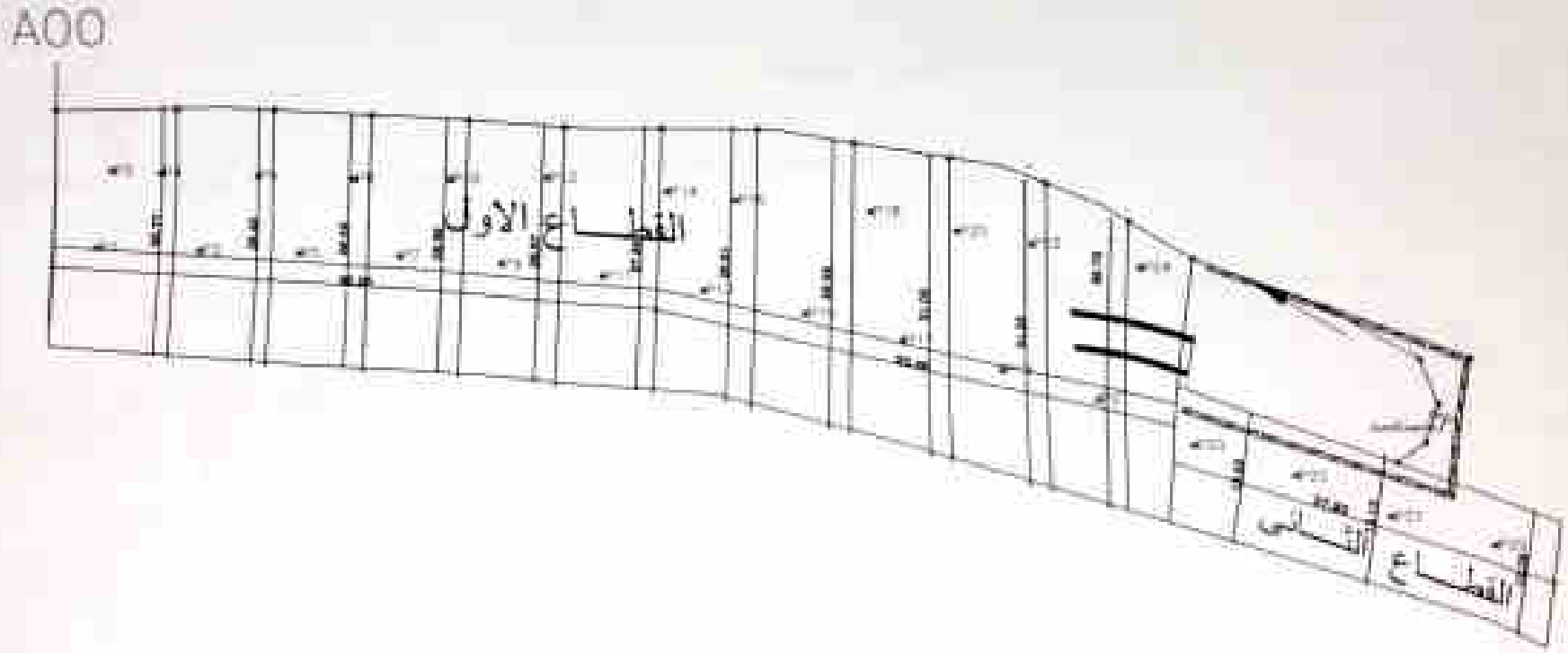
حصر أعمال الردم لزوم مطلع ومنزل الكوبري اعلى الدرج

رقم القطاع	رقم البند	البند	مساحة القطاع الطولي	العرض المتوسط للقطاع	مكعب القطاع (م٣)
القطاع الأول	١٦	بالمتر المكعب توريد وتشغيل أتربة صالحة للردم مطابقة للمواصفات وتشغيلها بآلات التسوية بسمك لا يزيد عن ٢٥ سم	233.8	28.25	6608.850
القطاع الثاني	١٦	بالمتر المكعب توريد وتشغيل أتربة صالحة للردم مطابقة للمواصفات وتشغيلها بآلات التسوية بسمك لا يزيد عن ٢٥ سم	68.27	13.03	889.558
اجمالي كمية الحفر					7494.408

مدير المشروع الاستشاري

مهندس الشركة

كوبـرى مزلقـان أبـوحمص



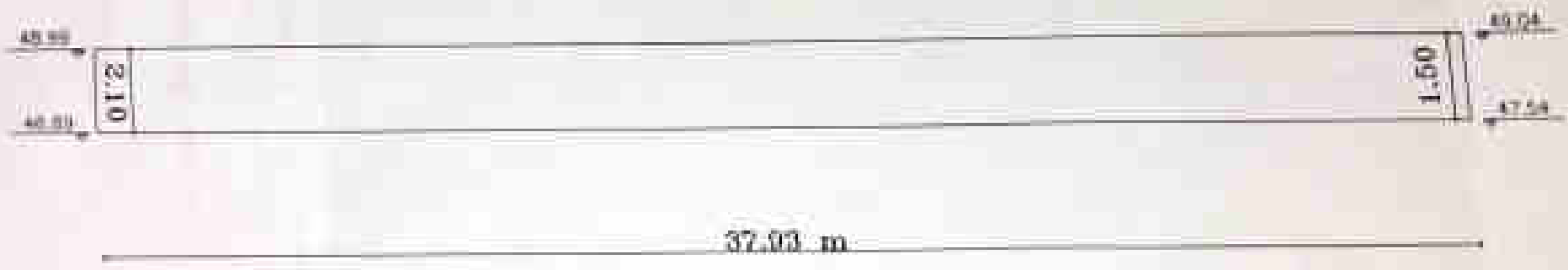
بـلان يوضـح القطـاع الاول والثـانى لاعمـال الـردم لمـنزل ومطلـع الكوبـرى أعلـى الـبريج

كوبـــرى مزلقـــان أبـــوحمص

قطاع طولى للردم الخاص بمنزل ومطلع الكوبرى أعلى السريع للقطاع الأول

AREA = 233.8 M2

كوبـــرى مزلقـــان أبـــوحمص



قطاع طولى للرصيف الخاص بمنزل ومطابع الكوبرى أعلى الترعة (القطاع الثانى)

AREA = 68.27 M2

كوبري مزلقان أبوحمص

ميزانية شبكية لقطاع ردم منزل ومطلع الكوبري أعلى البريخ للقطاع الاول والثاني

المنسوب	الاحداثيات		النقطة
48.858	548897.548	930541.201	1
48.708	548895.546	930533.321	2
48.893	548902.536	930540.855	3
48.733	548905.880	930532.604	4
48.943	548912.533	930540.163	5
48.833	548916.193	930531.888	6
48.993	548923.629	930539.501	7
48.833	548926.518	930531.207	8
49.045	548932.925	930539.152	9
48.885	548936.722	930530.175	10
49.096	548943.239	930539.178	11
48.936	548946.810	930528.795	12
49.147	548953.286	930539.173	13
48.987	548956.783	930527.073	14
49.197	548963.311	930539.564	15
49.037	548966.542	930524.717	16
49.238	548973.237	930539.659	17
49.078	548976.184	930522.015	18
49.259	548983.151	930539.613	19
49.134	548985.686	930518.903	20
49.259	548993.055	930539.426	21
49.198	548995.163	930515.706	22
49.240	549002.947	930539.100	23
49.200	549012.828	930538.635	25
49.146	549022.814	930538.090	27
49.093	549032.802	930537.546	29
49.040	549042.591	930537.012	31

[illegible]

[illegible]

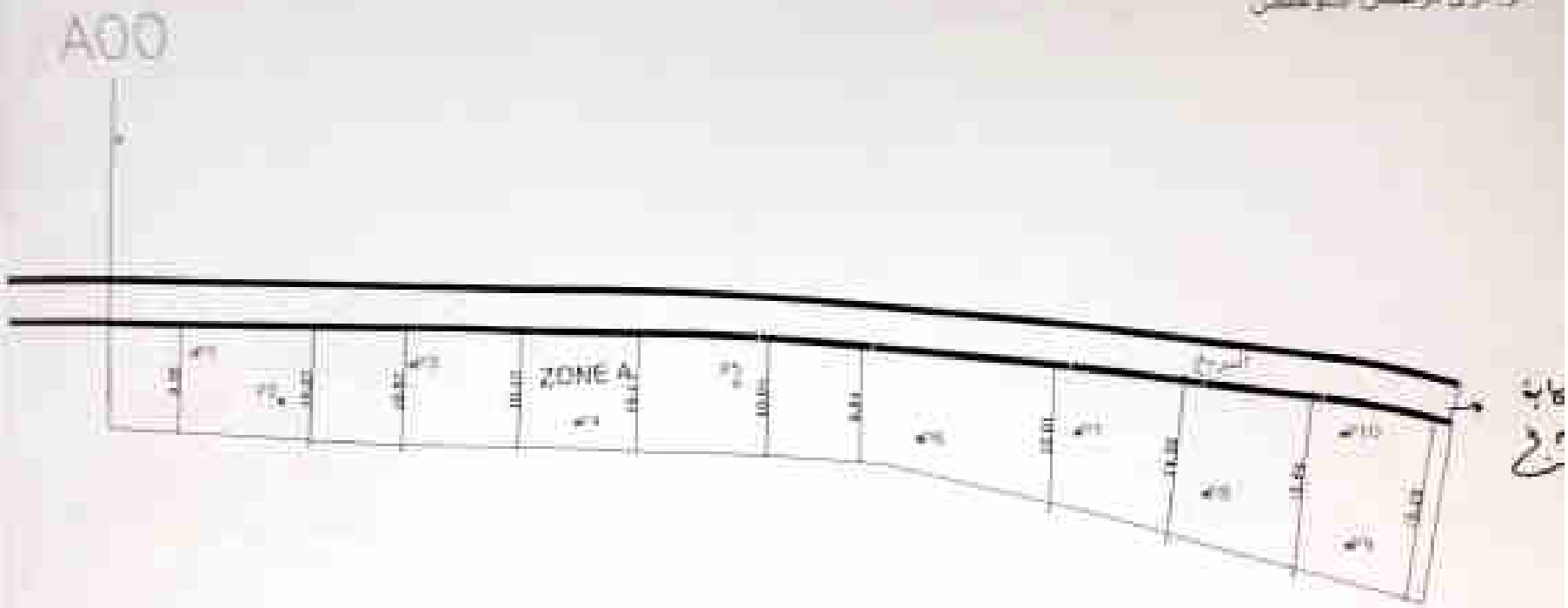
[illegible]

جدول أعمال الردم لرؤوس القطاع بجانب الرابع إضافة الدليج وسور الشبكة الجديدة

رقم القطاع	رقم البند	البند	طول القطاع	عمق القطاع	العرض المتوسط للقطاع	مكعب القطاع (م٣)
[illegible]	[illegible]	بالمتر المكعب توريد وتنفيذ تربة صالحة لزرع مطابقة للمواصفات وتشغيل بالآلات الدوارة بشبكة لا تزيد عن ١٠ سم	115.94	0.05	11.57	1200.994
إجمالي كمية الحفر						1200.994

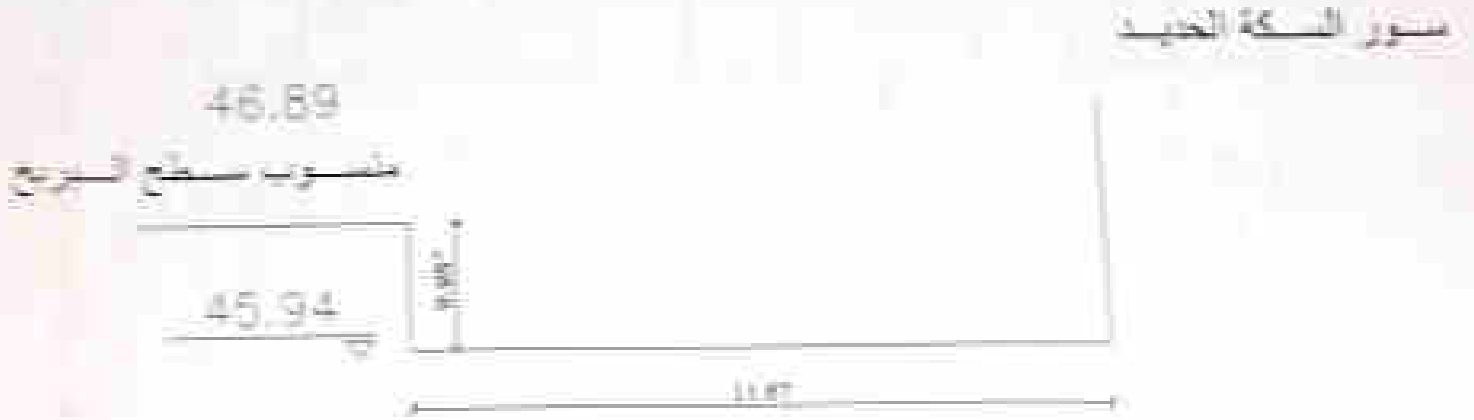
مهندس الشركة

مدير المشروع الاستشاري



بلان لقطاع الرد بجانب البريخ مابين سور السكة الحديد والبريخ

كوبـــرى مزلقـــان أبـــوحمص



قطاع عرضى للردم بين سطح الشريع وسور السكة الحديد

ميزانية شبكية قبل الردم لمنزل الكوبري الجزء مابين البريخ وسور المحطة

POINT	EASTING	NORTHING	level
P1	548898.648	930537.5927	46.02
P2	548906.3715	930532.8297	45.89
P3	548918.2032	930535.2933	45.83
P4	548932.1713	930529.2163	45.84
P5	548946.3036	930531.68	45.93
P6	548961.9149	930526.26	45.95
P7	548975.5543	930526.26	46.02
P8	548985.7428	930520.84	45.92
P9	548997.1797	930516.0066	45.95
P10	548997.99	930525.39	46.07

الهيئة العامة
للطرق و الكباري و النقل البري
(GARBOL.T)

وزارة النقل
الشركة القابضة لمشروعات
الطرق و الكباري و النقل البري (أ.م.ع.ق - م)
الشركة العامة للطرق والكباري
ش.م.م

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثالثة عشر

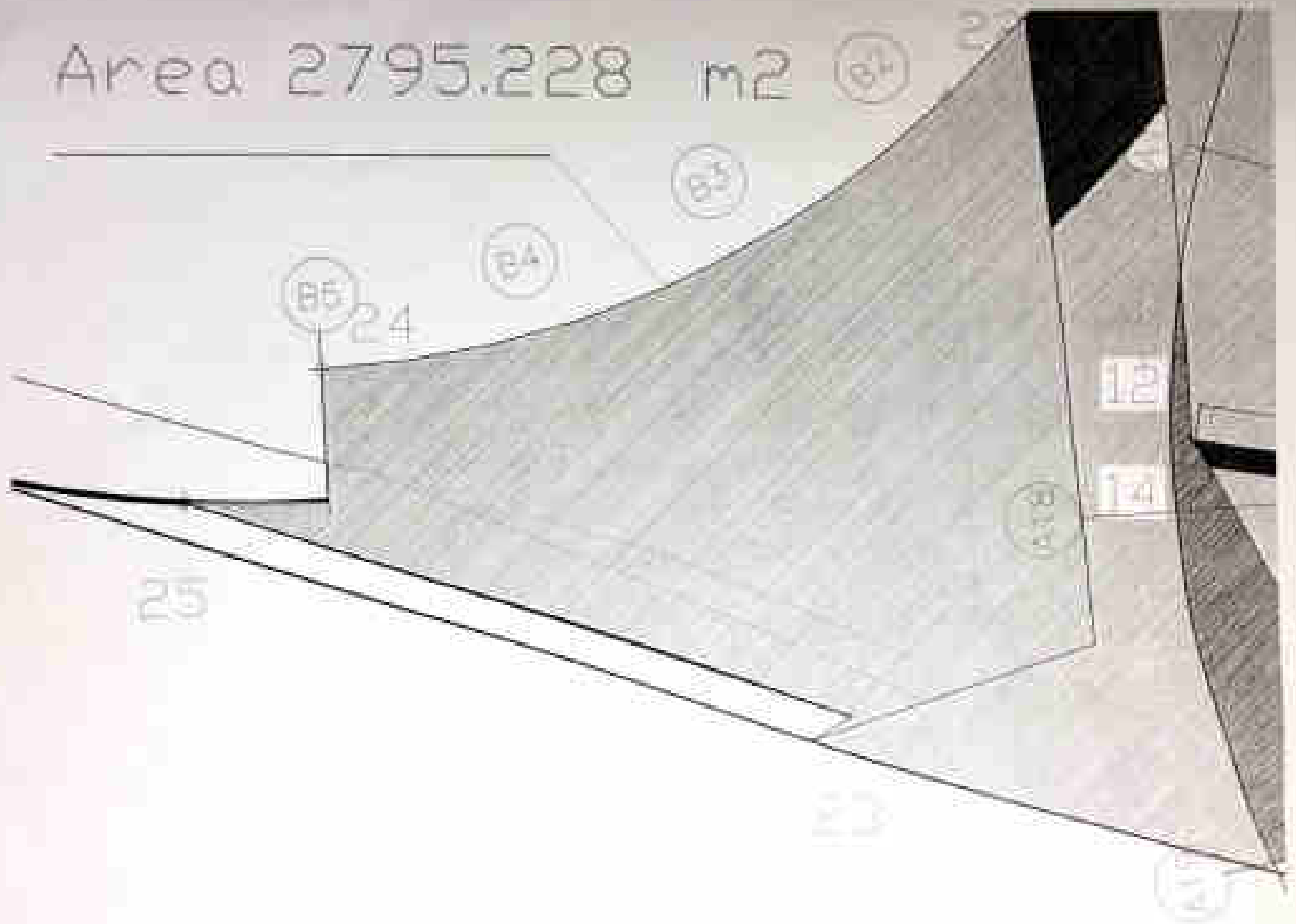
تنفيذ شركة النيل العامة للطرق والكباري

استكمال تعديل وتفل الترعة مسلحة للزند						
العنصر	الطول	العرض	الارتفاع	الحجم	العدد	الاجمالي ب م٣
الارض التي عليها ب م٢	2795.228		0.5	1397.614	1	1397.614

عن الشركة

عن الاستشاري

عن الهيئة



وزارة النقل
الشركة القابضة لمشروعات
الطرق و الكباري و النقل البري (ش . م . ق . م)
شركة النيل العامة للطرق والكباري
ش . ت . م . م

الهيئة العامة
للطرق و الكباري و النقل البري
(GARBLT)
وزارة النقل

وزارة النقل
الهيئة العامه للطرق و الكباري
الهيئه العامه للطرق و الكباري المنطقه الثالثه عشر

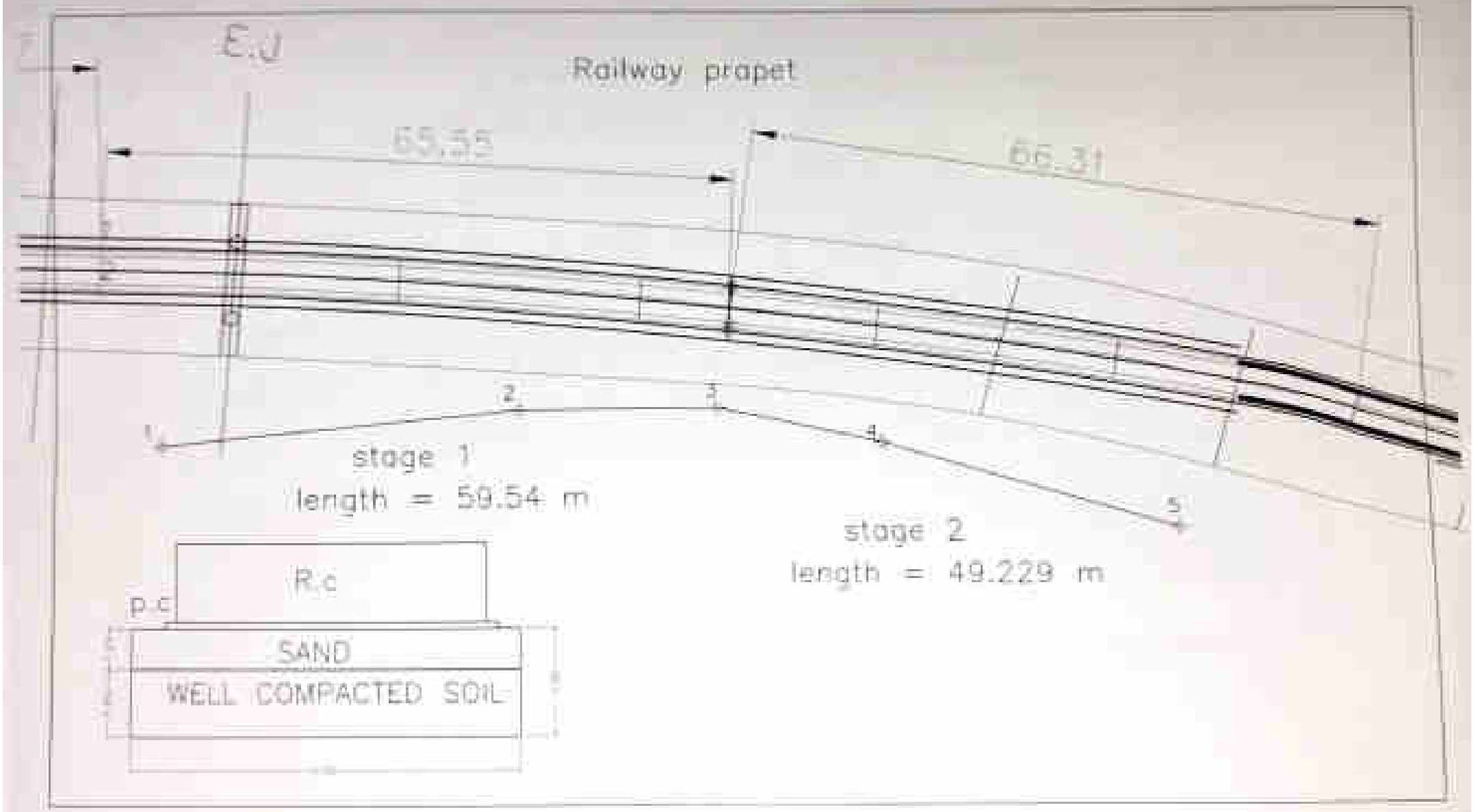
تنفيذ:شركة النيل العامة للطرق والكباري

توريد وردم تربة صالحة للردم أسفل سور السكة الحديد						
العنصر	الطول	العرض	الارتفاع	الحجم	العدد	الاجمالى ب م3
1	59.54	6	1.65	589.446	1	589.446
2	49.229	6	1.65	487.3671	1	487.3671
الاجمالى						1076.8131

عن الشركة

عن الاستشارى

عن الهيئة



وزارة النقل
الشركة القابضة لمشروعات
الطرق و الكباري و النقل البري (ش . م . ق . م)
الشركة العامة للطرق والكباري
ش . ت . م . م

الهيئة العامة
للطرق و الكباري و النقل البري
(GARBLT)

وزارة النقل
الهيئه العامه للطرق و الكباري
الهيئه العامه للطرق و الكباري المنطقه الثالثه عشر

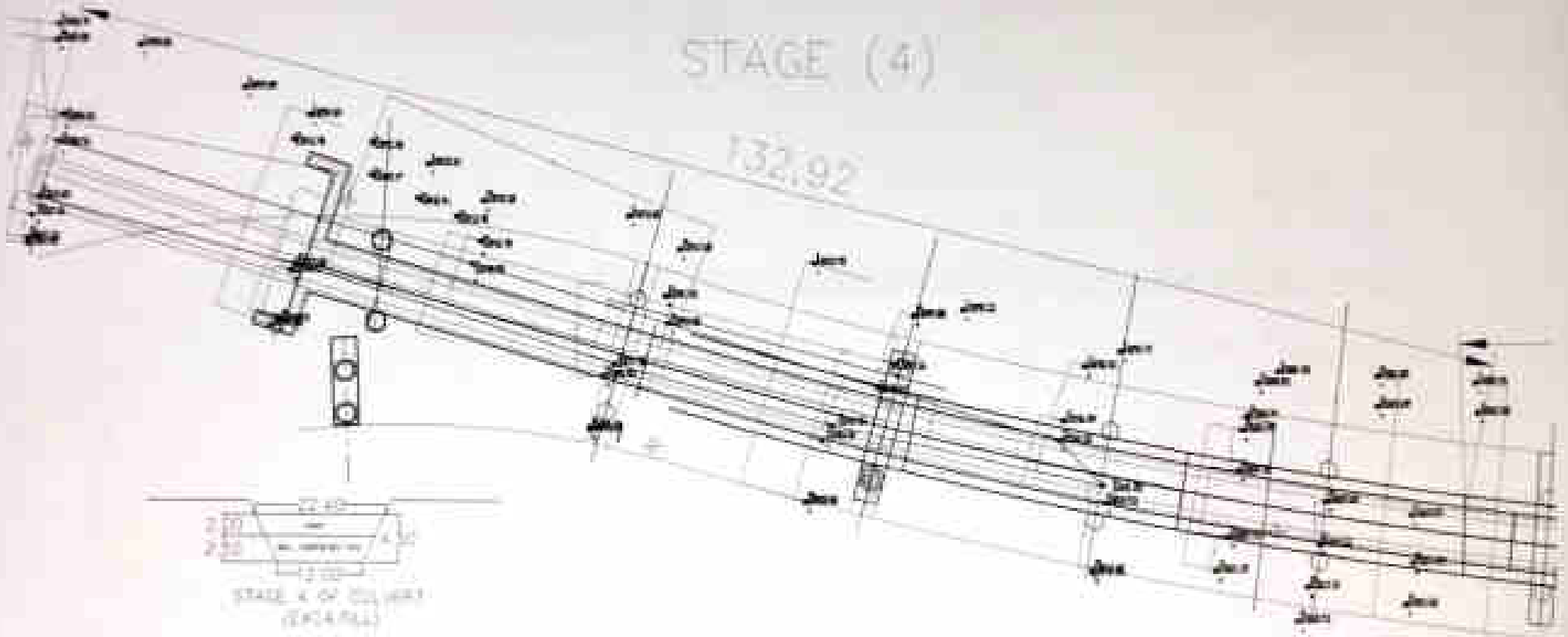
تنفيذ:شركة النيل العامة للطرق والكباري

توريد وردم التربة صالحة لردم أسفل بجانب طوابق المرحلة الرابعة للمصرف						
العنصر	الطول	العرض	الارتفاع	الحجم	العدد	الاجمالي ب م٣
1	132.92	17.2	2	4572.448	1	4572.448
الاجمالي						4572.448

عن الشركة

عن الاستشاري

عن الهيئة



وزارة النقل
شركة القابضة لمشروعات
الطرق و الكباري و النقل البري (ذ . م . ا . ع)
الشركة العامة للطرق والكباري
ذ . م . م

الهيئة العامة
للطرق و الكباري و النقل البري
(GARBROUT)

وزارة النقل
الهيئه العامه للطرق و الكباري
الهيئه العامه للطرق و الكباري المنطقه الثالثه عشر

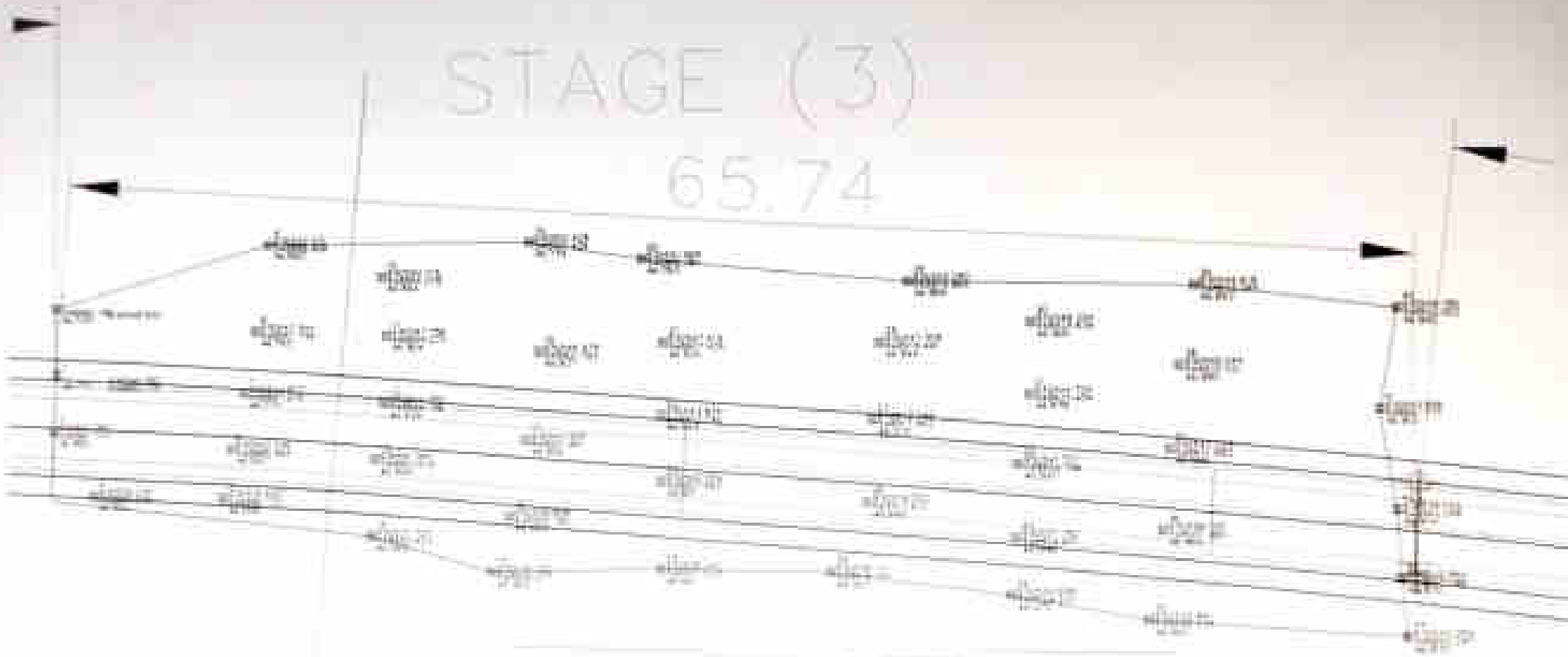
تنفيذ: شركة النيل العامة للطرق والكباري

توريد وردم التربة صالحة للردم أسفل بجانب جوانب المرحلة الثالثة المصرف						
العنصر	الطول	العرض	الارتفاع	الحجم	العدد	الاجمالي ب م٣
1	65.74	17.2	2	2261.456	1	2261.456
الاجمالي						2261.456

عن الشركة

عن الاستشاري

عن الهيئة



وزارة النقل
الشركة القابضة لمشروعات
الطرق و الكباري و النقل البري (ش . م . ل . م)
الشركة العامة للطرق والكباري
ش . م . م

الهيئة العامة
للطرق و الكباري و النقل البري
(GARBLT)

وزارة النقل
الهيئة العامة للطرق و الكباري
الهيئة العامة للطرق و الكباري المنطقة الثالثة عشر

تابعة لشركة النقل العامة للطرق والكباري

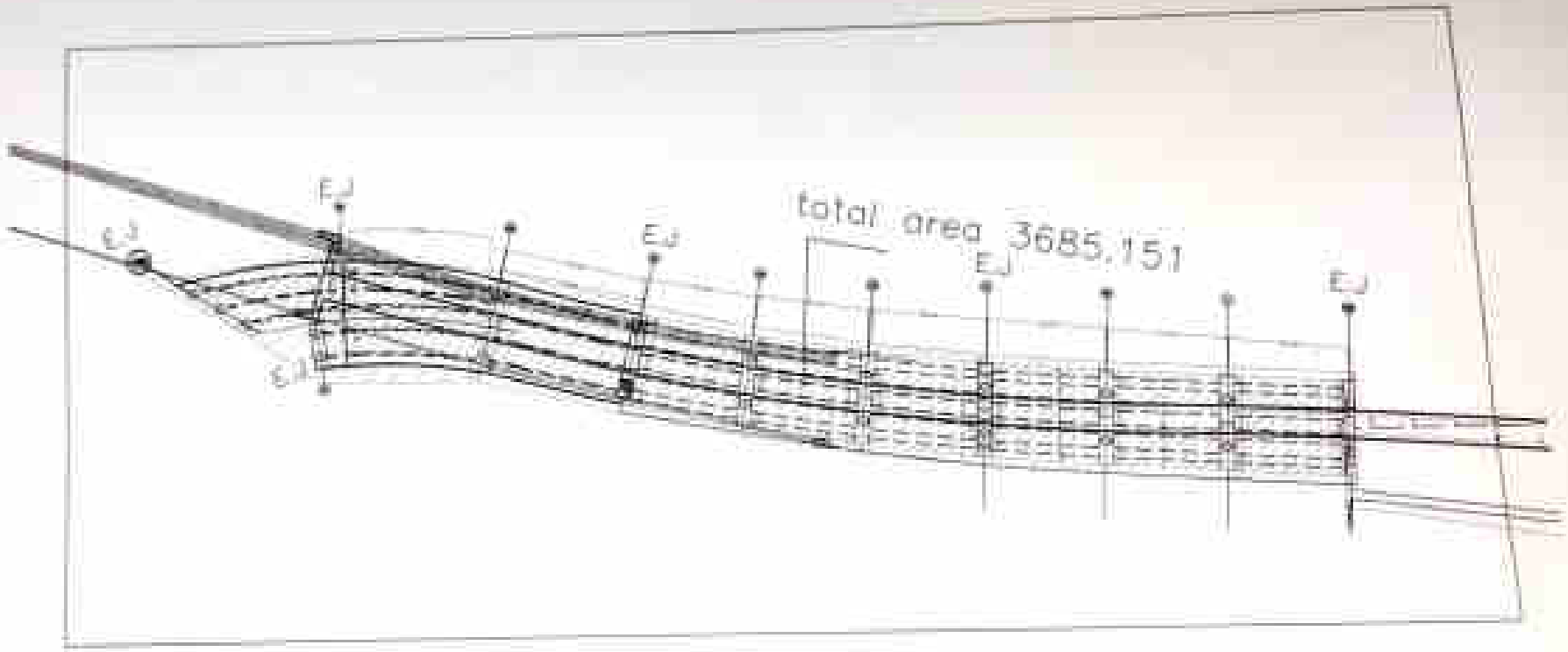
استكمال تجميل وتأهيل الشرخ بصالحة الرقم						
العنصر	الطول	العرض	الإرتفاع	المجموع	العدد	الإجمالي ب م٣
رقم من AB-A60	3685.15		0.5	1842.575	1	1842.575
رقم عشرة أو ١٢	615.354		1.65	1015.3341	1	1015.3341
~~رقم عشرة ١٤~~	~~302~~		~~0.5~~	~~151~~	~~1~~	~~151~~
رقم أسفل رقم ١	1263.452		0.5	631.726	1	631.726
الإجمالي						3640.6351

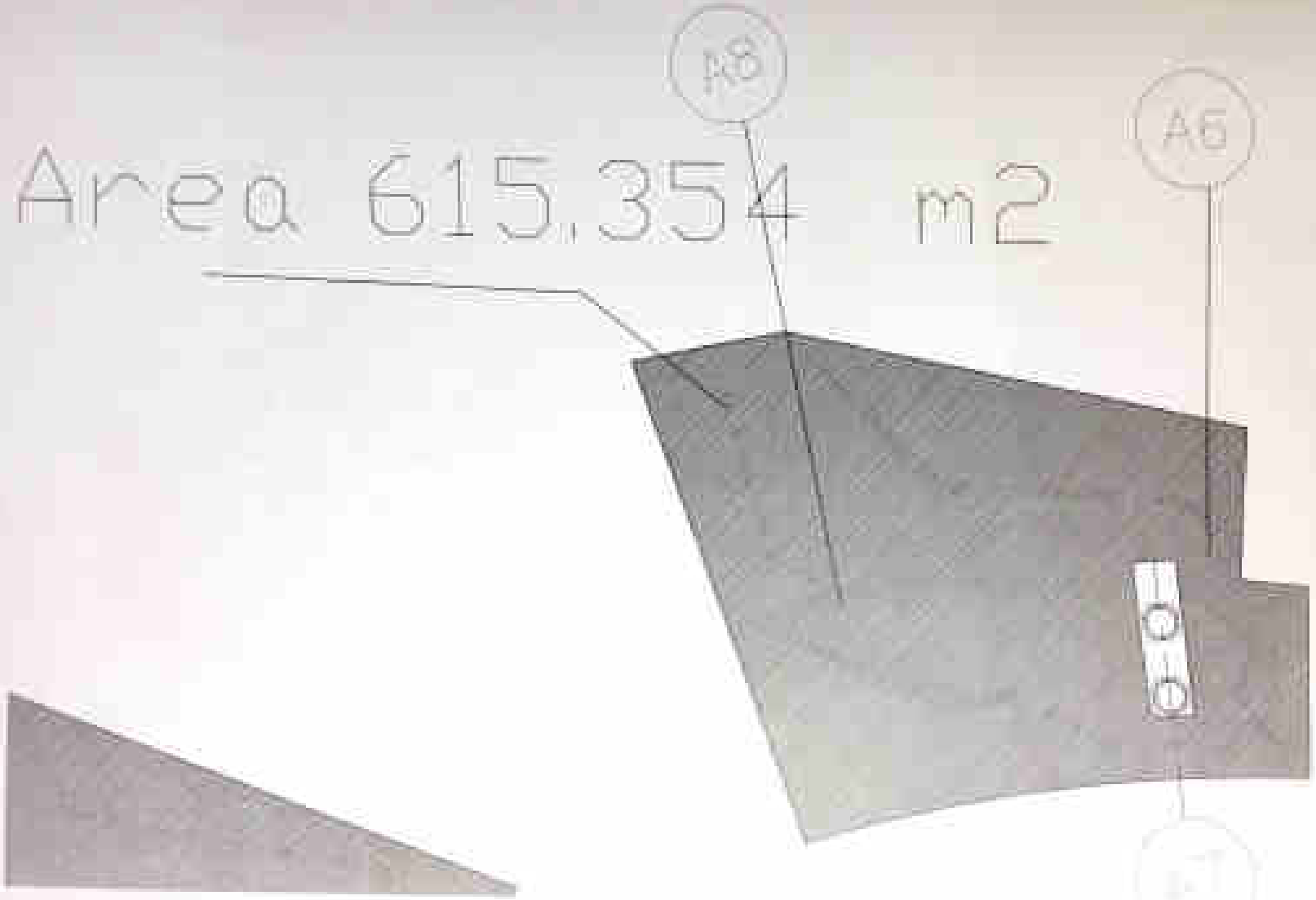
٢٤٨٩,٦٢

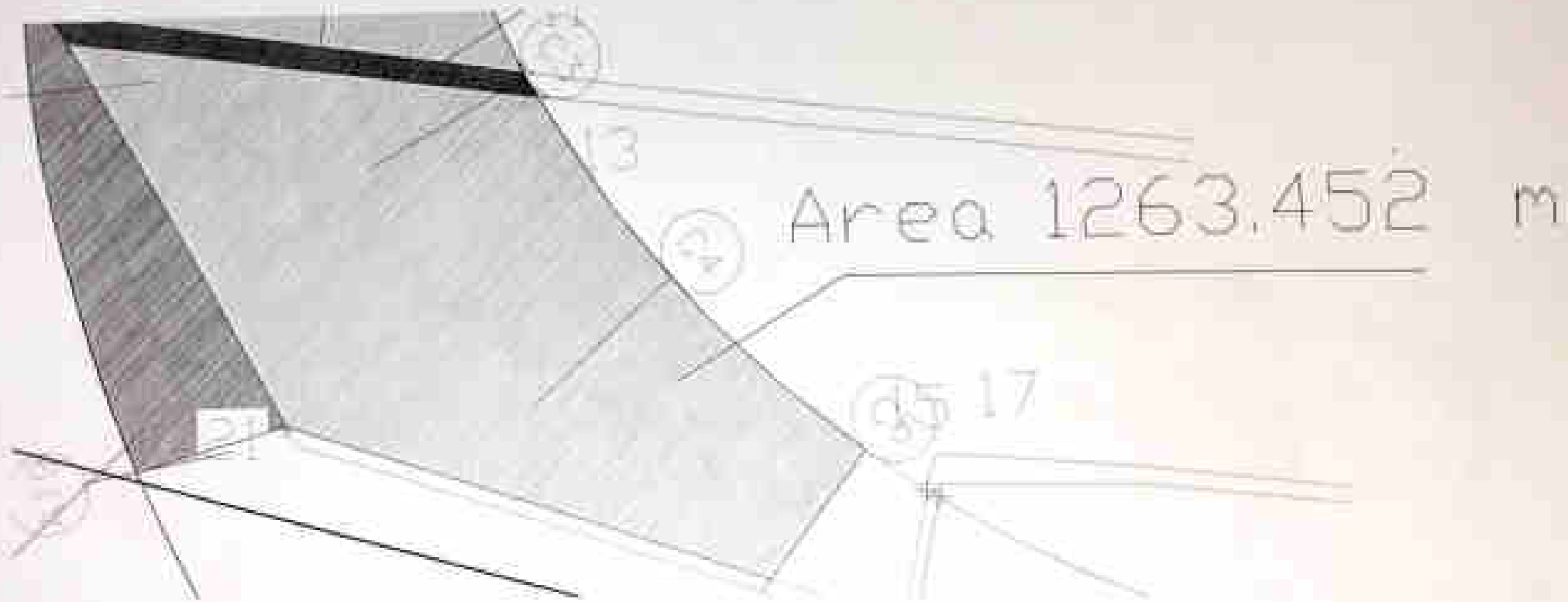
عن الشركة

عن الاستشاري

عن الهيئة







شبكة مطر شركة الزهراء للتعدين

POINT	EASTING	NORTHING	elev
P1	548007.858	9485514.437	427.017
P2	548000.478	9485511.318	427.003
P3	548004.81	9485576.013	415.961
P4	548008.326	9485774.074	417.612
P5	548003.065	9485772.711	417.24
P6	548001.961	9485772.780	427.721
P7	548008.326	9485774.074	417.612
P8	548717.959	9485772.780	427.721
P9	548718.457	9485772.707	417.24
P10	548717.477	9485772.707	417.612
P11	548715.555	9485772.715	417.011
P12	548715.185	9485772.715	417.24
P13	548717.477	9485772.707	417.612
P14	548717.484	9485772.707	417.24
P15	548718.457	9485772.780	427.721
P16	548718.457	9485772.707	417.24
P17	548717.477	9485772.707	417.612
P18	548717.484	9485772.707	417.24
P19	548718.457	9485772.780	427.721
P20	548718.457	9485772.707	417.24
P21	548717.477	9485772.707	417.612
P22	548717.484	9485772.707	417.24
P23	548718.457	9485772.780	427.721
P24	548718.457	9485772.707	417.24
P25	548717.477	9485772.707	417.612
P26	548717.484	9485772.707	417.24
P27	548718.457	9485772.780	427.721
P28	548718.457	9485772.707	417.24
P29	548717.477	9485772.707	417.612
P30	548717.484	9485772.707	417.24
P31	548718.457	9485772.780	427.721
P32	548718.457	9485772.707	417.24
P33	548717.477	9485772.707	417.612
P34	548717.484	9485772.707	417.24
P35	548718.457	9485772.780	427.721
P36	548718.457	9485772.707	417.24
P37	548717.477	9485772.707	417.612
P38	548717.484	9485772.707	417.24
P39	548718.457	9485772.780	427.721
P40	548718.457	9485772.707	417.24
P41	548717.477	9485772.707	417.612
P42	548717.484	9485772.707	417.24
P43	548718.457	9485772.780	427.721
P44	548718.457	9485772.707	417.24
P45	548717.477	9485772.707	417.612
P46	548717.484	9485772.707	417.24
P47	548718.457	9485772.780	427.721
P48	548718.457	9485772.707	417.24
P49	548717.477	9485772.707	417.612
P50	548717.484	9485772.707	417.24
P51	548718.457	9485772.780	427.721
P52	548718.457	9485772.707	417.24
P53	548717.477	9485772.707	417.612
P54	548717.484	9485772.707	417.24
P55	548718.457	9485772.780	427.721
P56	548718.457	9485772.707	417.24
P57	548717.477	9485772.707	417.612
P58	548717.484	9485772.707	417.24
P59	548718.457	9485772.780	427.721
P60	548718.457	9485772.707	417.24
P61	548717.477	9485772.707	417.612
P62	548717.484	9485772.707	417.24
P63	548718.457	9485772.780	427.721
P64	548718.457	9485772.707	417.24
P65	548717.477	9485772.707	417.612
P66	548717.484	9485772.707	417.24
P67	548718.457	9485772.780	427.721
P68	548718.457	9485772.707	417.24
P69	548717.477	9485772.707	417.612
P70	548717.484	9485772.707	417.24
P71	548718.457	9485772.780	427.721
P72	548718.457	9485772.707	417.24
P73	548717.477	9485772.707	417.612
P74	548717.484	9485772.707	417.24
P75	548718.457	9485772.780	427.721
P76	548718.457	9485772.707	417.24
P77	548717.477	9485772.707	417.612
P78	548717.484	9485772.707	417.24
P79	548718.457	9485772.780	427.721
P80	548718.457	9485772.707	417.24
P81	548717.477	9485772.707	417.612
P82	548717.484	9485772.707	417.24
P83	548718.457	9485772.780	427.721
P84	548718.457	9485772.707	417.24
P85	548717.477	9485772.707	417.612
P86	548717.484	9485772.707	417.24
P87	548718.457	9485772.780	427.721
P88	548718.457	9485772.707	417.24
P89	548717.477	9485772.707	417.612
P90	548717.484	9485772.707	417.24
P91	548718.457	9485772.780	427.721
P92	548718.457	9485772.707	417.24
P93	548717.477	9485772.707	417.612
P94	548717.484	9485772.707	417.24
P95	548718.457	9485772.780	427.721
P96	548718.457	9485772.707	417.24
P97	548717.477	9485772.707	417.612
P98	548717.484	9485772.707	417.24
P99	548718.457	9485772.780	427.721
P100	548718.457	9485772.707	417.24

عشرية حفر الشرعية الرابعة المنصرف			
POINT	EASTING	NORTHING	elev
P1	548696.818	930581.4412	42.012
P2	548696.4787	930581.1364	42.153
P3	548694.81	930576.205	41.561
P4	548689.336	930574.678	41.632
P5	548684.905	930572.71	42.11
P6	548683.951	930577.236	42.721
P7	548737.9659	930581.4161	41.092
P8	548738.459	930578.452	41.321
P9	548738.157	930580.87	42.102
P10	548737.337	930585.516	41.747
P11	548736.555	930585.118	42.611
P12	548725.1301	930578.3387	42.311
P13	548729.4719	930576.2906	42.511
P14	548725.355	930576.139	42.241
P15	548732.9799	930578.7243	42.618
P16	548725.1977	930572.5768	42.994
P17	548734.545	930579.5878	41.336
P18	548752.186	930587.918	41.792
P19	548752.458	930585.509	42.338
P20	548747.6548	930583.9098	42.761
P21	548746.704	930581.855	42.449
P22	548773.2822	930582.0128	41.085
P23	548771.7837	930559.3573	42.604
P24	548767.7355	930556.8085	41.997
P25	548766.8245	930555.2736	42.376
P26	548788.657	930557.066	42.147
P27	548788.298	930555.343	41.963
P28	548792.2989	930553.4081	41.964
P29	548792.346	930549.91	42.3
P30	548805.114	930557.543	40.98
P31	548804.675	930556.302	42.223
P32	548804.386	930552.72	42.681
P33	548803.342	930546.994	42.235
P34	548807.727	930544.309	42.414
P35	548817.04	930550.076	42.771
P36	548811.489	930546.377	42.996
P37	548819.594	930548.875	42
P38	548819.672	930544.758	41.95
P39	548818.988	930541.215	42.003

شبكة يوم المرحلة الرابعة المصرف			
POINT	EASTING	NORTHING	RL
P1	548696.11	930591.387	46.507
P2	548703.662	930589.562	46.383
P3	548713.397	930585.89	46.297
P4	548719.387	930583.533	46.433
P5	548725.1055	930581.1535	46.21
P6	548730.315	930579.344	46.307
P7	548748.094	930574.927	46.413
P8	548765.732	930570.609	46.368
P9	548779.498	930566.777	46.54
P10	548793.714	930563.116	46.711
P11	548807.946	930561.39	46.22
P12	548816.894	930561.056	46.637
P13	548825.778	930560.491	46.752
P14	548819.564	930548.875	46.964
P15	548819.672	930544.758	46.557
P16	548818.988	930541.235	46.721
P17	548812.04	930550.076	46.663
P18	548810.351	930542.715	46.574
P19	548809.432	930539.837	46.532
P20	548808.033	930560.365	46.121
P21	548805.134	930557.541	46.533
P22	548804.675	930556.302	46.721
P23	548804.286	930552.72	46.964
P24	548803.342	930546.994	46.711
P25	548802.227	930544.109	46.85
P26	548790.557	930561.813	46.522
P27	548788.657	930557.066	46.931
P28	548788.298	930555.343	46.572
P29	548782.2289	930551.4081	46.332
P30	548782.346	930549.91	46.914
P31	548791.207	930544.142	46.882
P32	548791.228	930543.861	46.631
P33	548774.9965	930566.2775	46.772
P34	548773.2822	930562.0128	46.914
P35	548771.7837	930559.9571	46.113
P36	548767.2855	930556.6063	46.766
P37	548766.8245	930555.2736	46.789
P38	548765.352	930549.937	46.564
P39	548765.386	930549.832	46.132
P40	548753.482	930572.056	46.437

شبكة ردم المرحلة الرابعة المصرف			
POINT	EASTING	NORTHING	elev.
P41	548752.146	930567.918	46.951
P42	548752.458	930565.509	46.852
P43	548747.6548	930561.9088	46.971
P44	548746.704	930560.855	46.357
P45	548745.519	930556.145	46.99
P46	548745.637	930556.099	46.162
P47	548735.385	930578.139	46.692
P48	548732.9709	930574.7241	46.844
P49	548735.1927	930571.5768	46.555
P50	548734.545	930570.5928	46.364
P51	548729.4719	930576.2906	46.755
P52	548725.1301	930578.1807	46.963
P53	548718.459	930570.452	46.41
P54	548718.157	930569.87	46.022
P55	548717.137	930565.535	46.808
P56	548716.555	930565.118	46.904
P57	548717.9659	930581.4161	46.776
P58	548096.026	930589.499	46.937
P59	548696.68	930581.6012	46.883
P60	548696.4787	930581.1364	46.713
P61	548694.81	930576.265	46.73
P62	548694.126	930574.673	46.606
P63	548693.905	930572.71	46.484
P64	548693.951	930572.236	46.229

شبكة رقم الدرجة الرابعة المصرف			
POINT	EASTING	NORTHING	elev
P1	548696.11	930591.387	46.507
P2	548701.662	930589.562	46.181
P3	548713.397	930585.89	46.297
P4	548719.387	930583.533	46.431
P5	548725.1055	930581.1915	46.21
P6	548730.115	930579.344	46.307
P7	548748.694	930574.927	46.413
P8	548765.732	930570.909	46.368
P9	548779.498	930566.777	46.54
P10	548793.714	930563.116	46.711
P11	548807.946	930561.39	46.22
P12	548816.894	930561.056	46.632
P13	548825.778	930560.491	46.752
P14	548819.594	930548.875	46.964
P15	548819.672	930544.758	46.552
P16	548818.988	930541.235	46.721
P17	548812.04	930530.076	46.663
P18	548810.351	930542.715	46.974
P19	548809.452	930539.837	46.532
P20	548806.033	930560.365	46.121
P21	548805.314	930557.541	46.533
P22	548804.675	930556.392	46.721
P23	548804.286	930552.72	46.964
P24	548803.342	930546.094	46.731
P25	548802.227	930544.100	46.05
P26	548790.557	930501.813	46.522
P27	548788.697	930557.066	46.931
P28	548788.298	930555.343	46.572
P29	548792.2289	930551.4083	46.332
P30	548792.346	930549.91	46.914
P31	548791.397	930544.147	46.882
P32	548791.229	930543.861	46.633
P33	548774.9965	930566.2775	46.772
P34	548773.2872	930562.0138	46.914
P35	548771.7817	930559.9571	46.113
P36	548767.7355	930558.6065	46.766
P37	548766.8245	930555.2736	46.789
P38	548765.357	930549.937	46.504
P39	548763.366	930549.832	46.332
P40	548753.402	930572.036	46.437

شبكة رقم المرحلة الرابعة للمشروع			
POINT	EASTING	NORTHING	elev
P41	548752.146	930567.918	46.951
P42	548752.456	930565.509	46.852
P43	548747.6548	930561.9098	46.973
P44	548746.704	930560.855	46.357
P45	548745.519	930558.385	46.99
P46	548745.637	930556.098	46.162
P47	548735.395	930576.139	46.692
P48	548732.9709	930574.7241	46.844
P49	548735.1927	930572.5768	46.555
P50	548734.545	930570.5928	46.364
P51	548729.4719	930576.2906	46.755
P52	548725.1301	930578.3807	46.963
P53	548718.459	930570.452	46.41
P54	548718.157	930569.87	46.622
P55	548717.137	930565.516	46.818
P56	548716.555	930565.118	46.904
P57	548717.9658	930581.4191	46.776
P58	548696.076	930589.999	46.937
P59	548696.68	930581.6012	46.883
P60	548696.4787	930581.1364	46.711
P61	548694.81	930576.265	46.33
P62	548694.326	930574.673	46.566
P63	548693.905	930572.71	46.484
P64	548693.951	930572.236	46.329

شبكة [illegible] المرحلة 8010 المصرف			
POINT	EASTING	NORTHING	elev.
P1	548887.181	930548.65	46.729
P2	548882.129	930545.183	46.771
P3	548881.718	930542.361	46.802
P4	548881.976	930539.216	46.804
P5	548886.153	930539.62	46.838
P6	548886.565	930542.046	46.852
P7	548887.713	930544.827	46.774
P8	548887.750	930547.944	46.765
P9	548889.408	930552.373	46.063
P10	548894.078	930550.715	46.064
P11	548894.723	930547.756	46.804
P12	548893.116	930544.365	46.834
P13	548893.618	930541.547	46.904
P14	548893.873	930537.737	46.96
P15	548898.277	930536.02	46.779
P16	548900.19	930533.804	46.827
P17	548903.063	930542.6	46.899
P18	548901.782	930546.928	46.923
P19	548901.429	930552.428	46.963
P20	548906.961	930551.560	46.763
P21	548907.929	930547.410	46.824
P22	548907.786	930543.314	46.843
P23	548907.563	930540.554	46.901
P24	548907.578	930536.243	46.941
P25	548915.707	930536.101	46.886
P26	548917.61	930539.572	46.844
P27	548917.962	930543.540	46.915
P28	548918.343	930547.308	46.948
P29	548919.865	930550.28	46.997
P30	548925.639	930548.204	46.8
P31	548925.2709	930544.709	46.878
P32	548924.796	930541.331	46.897
P33	548924.571	930537.262	46.956
P34	548924.210	930534.898	46.975
P35	548930.535	930533.841	46.862
P36	548931.388	930538.105	46.86
P37	548931.883	930542.025	46.889
P38	548932.571	930546.049	46.88
P39	548933.385	930549.938	46.891
P40	548932.822	930548.785	46.9
P41	548941.773	930543.958	46.813
P42	548942.288	930539.123	46.974
P43	548942.108	930535.844	46.87
P44	548942.247	930533.059	46.87

شبكة ردم المصرف المرحلة الثالثة

شبكة زاوية الخط المثلثة المنتظمة

POINT	EASTING	NORTHING	DEPTH
P1	548997.151	930548.85	46.779
P2	548983.329	930545.183	46.771
P3	548981.214	930542.304	46.802
P4	548981.976	930539.216	46.804
P5	548986.113	930539.63	46.838
P6	548986.563	930542.046	46.852
P7	548987.713	930544.827	46.774
P8	548987.750	930547.944	46.765
P9	548988.808	930552.331	46.665
P10	548994.028	930550.715	46.654
P11	548994.778	930547.756	46.804
P12	548994.336	930544.355	46.834
P13	548993.618	930541.547	46.904
P14	548991.871	930537.737	46.96
P15	548999.277	930536.02	46.779
P16	549000.19	930536.804	46.827
P17	549001.061	930537.6	46.899
P18	549001.792	930546.978	46.921
P19	549001.475	930552.478	46.861
P20	549000.963	930553.568	46.761
P21	549007.529	930547.419	46.824
P22	549007.136	930543.034	46.841
P23	549007.663	930540.574	46.901
P24	549001.978	930536.743	46.941
P25	549015.187	930536.101	46.866
P26	549017.01	930535.577	46.844
P27	549017.962	930543.546	46.935
P28	549016.441	930547.308	46.948
P29	549019.865	930550.28	45.997
P30	549037.633	930548.204	46.8
P31	549025.2308	930544.709	46.878
P32	549024.798	930541.311	46.837
P33	549024.573	930537.762	46.956
P34	549028.236	930534.998	46.925
P35	549030.505	930533.843	46.862
P36	549033.164	930538.105	46.86
P37	549033.083	930547.021	46.889
P38	549033.521	930546.849	46.88
P39	549033.385	930549.918	46.893
P40	549042.872	930548.785	46.9
P41	549041.773	930545.954	46.813
P42	549042.248	930539.423	46.974
P43	549042.198	930535.844	46.87
P44	549042.247	930533.069	46.87

شبكية ردم المصرف المرحلة الثالثة

شبكي حفر المصرف المرحلة الثالثة

شركة حفر المصارف الدرجة A010			
POINT	EASTING	NORTHING	elev.
P1	548882.181	930548.85	42.325
P2	548882.170	930545.383	42.568
P3	548881.714	930542.383	42.15
P4	548887.756	930547.544	42.334
P5	548887.213	930544.827	42.594
P6	548886.569	930542.046	43
P7	548894.223	930547.756	42.98
P8	548894.136	930544.155	41.99
P9	548893.618	930541.547	42.33
P10	548901.792	930546.978	42.21
P11	548901.063	930542.6	42.874
P12	548907.929	930547.439	42.66
P13	548907.246	930543.834	41.887
P14	548907.863	930540.554	43.01
P15	548918.441	930547.308	42.75
P16	548917.962	930543.546	42.111
P17	548917.63	930539.572	42.821
P18	548925.819	930548.204	42.354
P19	548925.454	930544.709	42.714
P20	548924.795	930541.331	42.005
P21	548924.573	930537.762	42.03
P22	548932.521	930546.049	42.821
P23	548931.883	930542.025	42.399
P24	548931.384	930538.105	42.0423
P25	548941.773	930543.958	42.17
P26	548942.248	930539.123	41.500
P27	548947.398	930535.844	41.05

شـــبكي حفـــر المصـــرف المرحلـــة الثالثـــة

بيان الأعمال والمستخلص رقم [illegible]

[illegible]

بيان الأعمال والمقايسة	[illegible]
[illegible]	[illegible]

الإجمالي [illegible]

عن الشركة

عن الاستشاري

عن الهيئة

حصر كميات الأساس لزوم ردم منزل ومطلع أبوحمص اتجاه مدينة أبوحمص

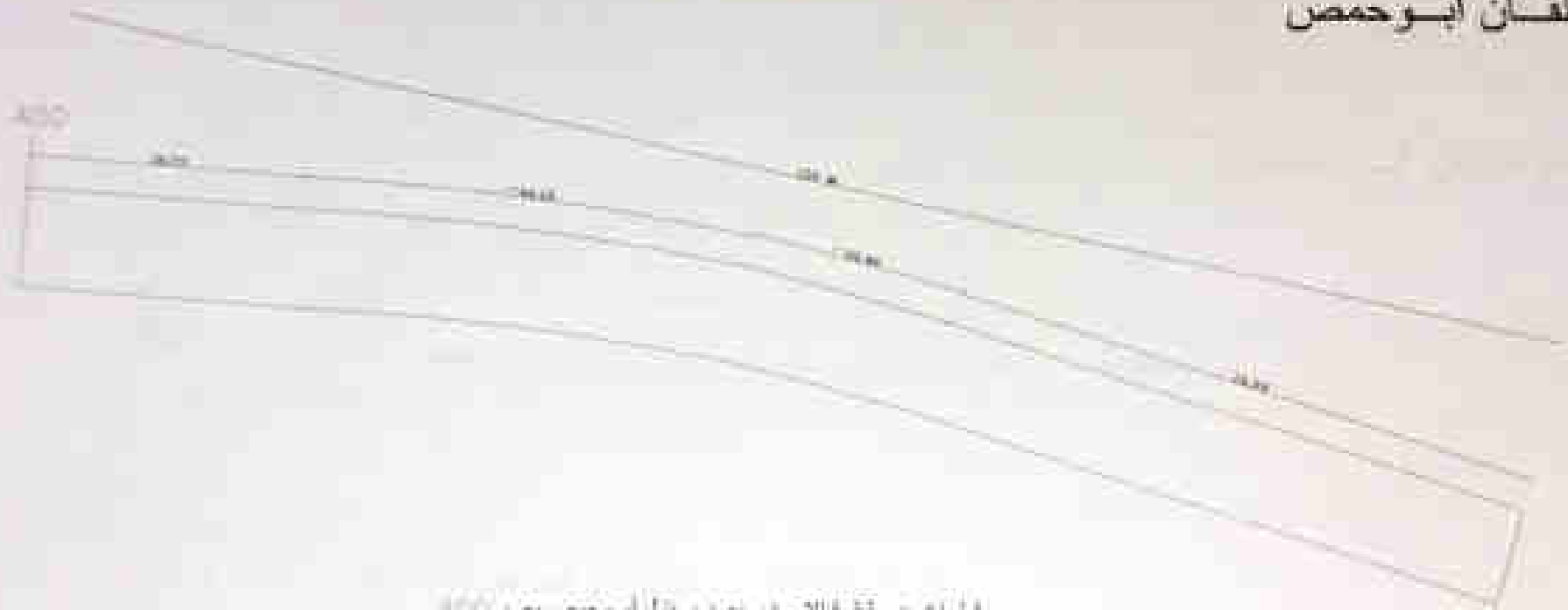
العنصر	المساحة	العمق	الحجم [م٣]
منزل الكوبرى	1492.5	0.65	970.1
مطلع الكوبرى	1274.8	0.65	828.6
منطقة الدوران (الصنية)	1677.8	0.35	587
أعمال ردم قطاع منطقة الرى	585.4	1.6	937
الاجمالى (م٣)			3322.6

مهندس الشركة

مدير المشروع الاستشاري

رعاد

ويـرى مزلقـان أبـوحمص



قطاع رقم طبقة الاسفلت بعد منزل أبوحمص بعد

AREA = 1492.5 M2

كوبـرى مزلقـان أبـوحمص

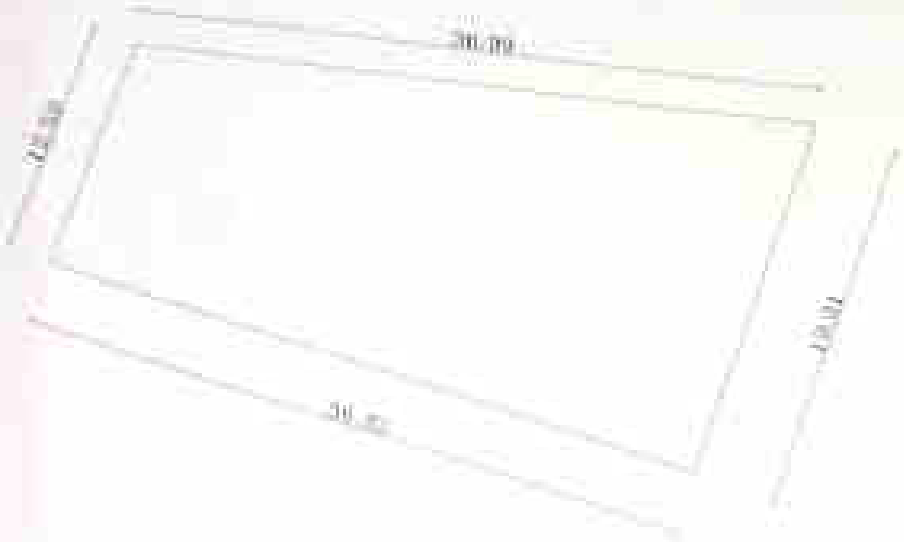
AREA = 1274.8 M²

كوبـــرى مزلقـــان أبـــوحمص

قطاع رقم ط/ط/ش لمنطقة الكوبرى الموجود فى نهاية منزل أبوحمص (الصفحة)

AREA = 1077.8 M2

كوبــرى مزلقــان أبــوحمص



قطــاع ردم طبقــة الأســاس لمبــنى الــرى الموجــود فــى مطلــع الكوبــرى قبــل A08

AREA = 585.4M2

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مشروع تطوير مرتفعات ابو رواش تطوير

Determination of field density - ASTM D 1556

Date	14/11/2023	
Station NO	[illegible]	
Layer no.	1	طبقة أساس
Layer Thickness	20 cm	
Level		

Mod Proctor Testing Results :

Max. Dry Density (gm/cm³)	2.20
O.M.C. %	6.8%
Bulk Density of Mixtured Sand (gm/cm³)	1.52
Degree of Compaction Required (%)	98%

Test No	1		
Wt. of Container + Sand (before test) (gm)	5275		
Wt. of Container + Sand (after test) (gm)	3730		
Wt. of Sand in Cone (gm)	1510		
Wt. of Sand in Hole (gm)	2427		
Volume of Test Hole (cm³)	1599		
Wt. of Container (gm)	110		
Wt. of Container + Wet Soil (gm)	968		
Wt. of Container + Dry Soil (gm)	929		
Wt. of Dry Soil (gm)	779		
Wt. of Water (gm)	44		
Moisture Content (%)	5.7%		
Wt. of Soil from Test Hole (gm)	3213		
Wet Density of Tested Soil (gm/cm³)	2.00		
Dry Density of Tested Soil (gm/cm³)	2.10		
Compaction %	95.5%		

Acceptance criteria :

Comply ☐ Not comply ☐

QC Lab Eng. | Company Eng. | Cont. Eng.

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للمراقبة والصيانة

الهيئة العامة
للطرق و الكباري و النقل البري
(GARBLT)

مشروع تطوير مزلقان ابو حمص الطوري

Determination of field density - ASTM D 1556

Date	05/11/2023	
Station NO.	استكمال راس نزلة ابو حمص لسور السكة الحديد	
Layer no.	6	رقم
Layer Thickness	25	
Level		

Mod Proctor Testing Results :-	
Max Dry Density (gm/cm³)	2.09
O.M.C. %	8.4%
Bulk Density of Standard Sand (gm/cm³)	1.52
Degree of Compaction Required (%)	95%

Test No	1		
Wt. of Container + Sand (before test) (gm)	4940		
Wt. of Container + Sand (after test) (gm)	3360		
Wt. of Sand in Cone (gm)	1518		
Wt. of Sand in Hole (gm)	1462		
Volume of Test Hole (cm³)	962		
Wt. of Container (gm)	150		
Wt. of Container + Wet Soil (gm)	900		
Wt. of Container + Dry Soil (gm)	860		
Wt. of Dry Soil (gm)	710		
Wt. of Water (gm)	40		
Moisture Content (%)	5.6%		
Wt. of Soil from Test Hole (gm)	2030		
Wet Density of Tested Soil (gm/cm³)	2.11		
Dry Density of Tested Soil (gm/cm³)	2.00		
Compaction %	97.9%		
Acceptance	Y		

QC/Lab Eng.

Company Eng.

Cons. Eng.

HELIOPOLIS
Concrete Technology Center
Date
Signature

HELIOPOLIS
Concrete Technology Centre
Design - Quality Control- Testing

(GARBLT)

مشروع تطوير مزلقان ابو حمص المطور

Determination of field density - ASTM D 1556

Date	04/11/2023	
Station NO.	استكمال رصف نزلة ابو حمص أسود السكة الحديد	
Layer no.	5	بيجو
Layer Thickness	25	
Level		

Mod Proctor Testing Results >	
Max. Dry Density (gm/cm³)	2.00
O.M.C. %	8.4%
Dry Density of Horizontal Sand (gm/cm³)	1.92
Degree of Compaction Required (%)	95%

Test No.	1		
Wt. of Container + Sand (before test) (gm)	9450		
Wt. of Container + Sand (after test) (gm)	6825		
Wt. of Sand in Cone (gm)	1310		
Wt. of Sand in Hole (gm)	1007		
Volume of Test Hole (cm³)	1429		
Wt. of Container (gm)	150		
Wt. of Container + Wet Soil (gm)	1000		
Wt. of Container + Dry Soil (gm)	950		
Wt. of Dry Soil (gm)	800		
Wt. of Water (gm)	50		
Moisture Content (%)	6.3%		
Wt. of Soil from Test Hole (gm)	2310		
Wet Density of Tested Soil (gm/cm³)	2.21		
Dry Density of Tested Soil (gm/cm³)	1.99		
Compaction %	95.5%		
Acceptance	Y		

QC/Lab Eng. | Company Eng. | Cons. Eng.

HELIOPOLIS
Concrete Technology Center
Date
Signature

HO.(IPCC)
Concrete Technology Centre
Design - Quality Control Testing

شركة الأمل للخدمات

الطرق و الكباري و النقل البري
(CAPBET)

مشروع تطوير مرتفعات أبو هيكل الجديد

Determination of field density - ASTM D 1556

Date	02/11/2023	
Station No.	استكمال راصف نهاية ابو دحيق اسوار الشبكة الداخلية	
Layer No.	8	مكرر
Layer Thickness	25	
Level		

Mod Proctor Testing Results	
Max. Dry Density (gm/cm³)	2.08
O.M.C. %	8.1%
Bulk Density of Unadjusted Soil (gm/cm³)	2.32
Degree of Compaction achieved (%)	92%

Test No.	1		
Wt. of Container + Sand (Before test) (gm)	8960		
Wt. of Container + Sand (after test) (gm)	3742		
Wt. of Sand in Cone (gm)	1318		
Wt. of Sand in Hole (gm)	3897		
Volume of Test Hole (cm³)	1136		
Wt. of Container (gm)	420		
Wt. of Container + Wet Soil (gm)	420		
Wt. of Container + Dry Soil (gm)	900		
Wt. of dry Soil (gm)	750		
Wt. of Water (gm)	50		
Moisture Content (%)	6.7%		
Wt. of Soil from Test Hole (gm)	2365		
Wet Density of Tested Soil (gm/cm³)	2.12		
Dry Density of Tested Soil (gm/cm³)	1.99		
Compaction %	95.8%		
Acceptance	Y		

QC/Lab Eng. | Company Eng. | Gulf Eng.

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Determination of field density - ASTM D 1556

Date	01/11/2023
Station NO.	استكمال رافعت لزلة ابو دعيض امور السكة الحديد
Layer No.	1
Layer Thickness	22
Level	

Mod.Proctor Testing Results	
Max. Dry Density (gm/cm³)	2.18
O.M.C. %	8.4%
Max Density of Compacted Layer (gm/cm³)	1.32
Degree of Compaction Required (%)	95%

Test No.	1		
Wt. of Container + Sand Before test (gm)	9070		
Wt. of Container + Sand After test (gm)	8023		
Wt. of Sand in Cone (gm)	1050		
Wt. of Sand in Hole (gm)	1477		
Volume of Test Hole (cm³)	1121		
Wt. of Container (gm)	450		
Wt. of Container + Wet Soil (gm)	950		
Wt. of Container + Dry Soil (gm)	893		
Wt. of Dry Soil (gm)	443		
Wt. of Water (gm)	57		
Moisture Content (%)	8.1%		
Wt. of Soil from Test Hole (gm)	2319		
Wet Density of Tested Soil (gm/cm³)	2.12		
Dry Density of Tested Soil (gm/cm³)	1.96		
Compaction %	89.9%		
Acceptance	Y		

QC Tech Engr. Company Rep. Cons. Rep.

HELIOPOLIS
Concrete Technology Centre
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مشروع تطوير مركز تل ابو صيحي التكنولوجي

Determination of field density - ASTM D 1556

Date	31/10/2023	
Station No.	[illegible]	
Layer No.	2	[illegible]
Layer Thickness	20 cm	
Level		

Mud Pocket Density	
Max. Dry Density (gm/cm³)	2.29
O.M.C. %	6.4%
Bulk Density of Standard Sand (gm/cm³)	1.52
Degree of Compaction Required (%)	98%

Test No.	2		
Wt. of Container + Sand (before test) (gm)	8958		
Wt. of Container + Sand (after test) (gm)	5240		
Wt. of Sand in Cone (gm)	1518		
Wt. of Sand in Hole (gm)	2192		
Volume of Test Hole (cm³)	1442		
Wt. of Container (gm)	370		
Wt. of Container + Wet Soil (gm)	1010		
Wt. of Container + Dry Soil (gm)	966		
Wt. of Dry Soil (gm)	596		
Wt. of Water (gm)	46		
Moisture Content (%)	4.8%		
Wt. of Soil from Test Hole (gm)	3263		
Wet Density of Tested Soil (gm/cm³)	2.26		
Dry Density of Tested Soil (gm/cm³)	2.16		
Compaction %	94.4%		

Acceptance criteria :

Accepted ☐ Not Accepted ☐

QC/Soil Eng. Concrete Eng. Civil Eng.

HELIOPOLIS
Concrete Technology Centre
Date
Signature

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Design - Quality Control - Testing

Determination of field density / ASTM D 1556

Date	[illegible]
Applicant Name	[illegible]
Sample No.	1
Layer Thickness	[illegible]
Level	

Sand Replacement Testing Results	
Max. Dry Density (gm/cm³)	2.20
O.M.C. %	[illegible]
Wet Density in Established Hole (gm/cm³)	[illegible]
Degree of Compaction Required (%)	[illegible]

Test No.	1		
Wt. of container + Sand (before test) (gm)	[illegible]		
Wt. of container + Sand (after test) (gm)	[illegible]		
Wt. of sand in cone (gm)	[illegible]		
Wt. of sand in hole (gm)	[illegible]		
Volume of hole (cm³)	[illegible]		
Wt. of container (gm)	[illegible]		
Wt. of container + Wet Soil (gm)	[illegible]		
Wt. of container + Dry Soil (gm)	[illegible]		
Wt. of dry soil (gm)	[illegible]		
Wt. of water (gm)	[illegible]		
Moisture Content (%)	[illegible]		
Wt. of soil from Oven dry (gm)	[illegible]		
Wet Density of Tested Soil (gm/cm³)	[illegible]		
Dry Density of Tested Soil (gm/cm³)	[illegible]		
Compaction %	[illegible]		

Lab. Tech. Eng. | Laboratory Engineer | Field Eng.

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Concrete Technology Centre
Design - Quality Control Testing

Determination of field density - ASTM D 1556

Date	28/10/2021	
Station No.	[illegible]	
Layer no.	1	طبقة أساس
Layer Thickness	25 cm	
Level		

Mud Proctor Testing Results	
Max. Dry Density (gm/cm³)	2.24
O.M.C. %	6.4%
Bulk Density of Treated Soil (gm/cm³)	1.52
Degree of Compaction Required (%)	98%

Test No.	1		
WC of Container + Sand (before test) (gm)	9102		
WC of Container + Sand (after test) (gm)	5469		
WC of Sand in Cone (gm)	1719		
WC of Sand in Hole (gm)	2127		
Volume of Test Hole (cm³)	1399		
WC of Container (gm)	150		
WC of Container + Wet Soil (gm)	1859		
WC of Container + Dry Soil (gm)	1690		
WC of Dry Soil (gm)	839		
WC of Water (gm)	69		
Moisture Content (%)	8.2%		
WC of Soil from Test Hole (gm)	2275		
Wet Density of Tested Soil (gm/cm³)	2.27		
Dry Density of Tested Soil (gm/cm³)	2.16		
Compaction %	96.4%		

Acceptance criteria

Compact ☐ Not compact ☐

QC Lab Eng. | Company Eng. | Clinic Eng.

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Design - Quality Control- Testing

Determination of Field density - ASTM D 1556

Date	[illegible]
Business with	[illegible]
Layer no.	2
Layer Thickness	[illegible]
Event	

Mix Proportion Testing Results :-

Max dry density (gm/cm³)	2.27
O.M.C. %	6.4%
Bulk density of laboratory field (gm/cm³)	1.52
Degree of compaction achieved / %	98%

Test No.	1		
Wt. of Container + Sand Before test (gm)	5605		
Wt. of Container + Sand After test (gm)	3348		
Wt. of Sand in Hole (gm)	2318		
Wt. of Sand in Hole (gm)	2192		
Volume of Test Hole (cm³)	1445		
Wt. of Container (gm)	330		
Wt. of Container + Wet Soil (gm)	840		
Wt. of Container + Dry Soil (gm)	842		
Wt. of Dry Soil (gm)	512		
Wt. of Water (gm)	32		
Moisture Content (%)	6.2%		
Wt. of Soil from Test Hole (gm)	3280		
Wet Density of Tested Soil (gm/cm³)	2.27		
Dry Density of Tested Soil (gm/cm³)	2.14		
Compaction %	94.3%		

Acceptance criteria

Compact ☐ Not compact ☐

QC Sup. Eng. | Company Eng. | Const. Eng.

HELIOPOLIS
Corporate Technology Centre
Design - Quality Control Testing

مشروع الهيرى هرتلان ابو حمص التطوير

Determination of field density - ASTM D 1556

Date	30/10/2023	
Station NO.	استكمال راصف ابو حمص (صبات الراس)	
Layer No	3	نقطة اساس
Layer Thickness	20 cm	
Level		

Max Dry Density Testing Results :-

Max. Dry Density (gm/cm³)	2.20
O.M.C. (%)	6.4%
Wet Density of Standard Sand (gm/cm³)	1.52
Degree of Compaction Required (%)	98%

Test No	1		
Wt. of Container + Sand (before test) (gm)	4956		
Wt. of Container + Sand (after test) (gm)	3271		
Wt. of Sand in Cone (gm)	1558		
Wt. of Sand in Hole (gm)	2117		
Volume of Test Hole (cm³)	1419		
Wt. of Container (gm)	120		
Wt. of Container + Wet Soil (gm)	1080		
Wt. of Container + Dry Soil (gm)	960		
Wt. of Dry Soil (gm)	840		
Wt. of Water (gm)	48		
Moisture Content (%)	6.9%		
Wt. of Soil from Test Hole (gm)	3230		
Wet Density of Tested Soil (gm/cm³)	2.28		
Dry Density of Tested Soil (gm/cm³)	2.17		
Compaction %	98.6%		

Acceptance Criteria :-

Comply ☐ Not comply ☐

QC/Lab Eng. Consultant Eng. Cons. Eng.

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Quality Control

HELIOPOLIS
Office Technology Centre
Dr. : Gaafar Dahmar Testing

مشروع تطوير مرتفعات ابو حمص الجنوبي

Determination of field density - ASTM D 1556

Date	01-11-2023	
Station No.	الملكتمال (جنب ابو حمص الجنوبي الري)	
Layer no.	4	طبقة أساس
Layer Thickness	25 cm	
Level		

Mod.Proctor Testing Results	
Max.Dry Density (gm/cm³)	2.29
O.M.C. %	4.8%
Wet Density of Standard Sand (gm/cm³)	1.52
Degree of Compaction Required (%)	98%

Test No.	1		
Wt. of Container + Sand (before test) (gm)	6000		
Wt. of Container + Sand (after test) (gm)	5263		
Wt. of Sand in Cone (gm)	1518		
Wt. of Sand in Hole (gm)	737*		
Volume of Test Hole (cm³)	1200		
Wt. of Container (gm)	130		
Wt. of Container + Wet Soil (gm)	1222		
Wt. of Container + Dry Soil (gm)	979		
Wt. of Dry Soil (gm)	829		
Wt. of Water (gm)	243		
Moisture Content (%)	4.7%		
Wt. of Soil From Test Hole (gm)	2133		
Wet Density of Tested Soil (gm/cm³)	2.29		
Dry Density of Tested Soil (gm/cm³)	2.18		
Compaction %	95.1%		

Remarks:

Retest ☐ Re-compact ☐

QC Lab Eng. | Computer Eng. | Dam Eng.

HELIOPOLIS
Concrete Technology Centre
Design & Quality Control Testing

مشروع أوبري مرتفعات أبو حمص (ميناء الرمي)

Determination of field density - ASTM D 1556

Date	05/11/2023	
Station NO	استكمال رامب أبو حمص (ميناء الرمي)	
Layer no.	3	طبقة أساس
Layer Thickness	29 cm	
Level		

Mod Proctor Testing Results :-

Max Dry Density (gm/cm³)	2.20
O.M.C. %	6.4%
Bulk Density of Disturbed Sand (gm/cm³)	1.52
Degree of Compaction Required (%)	98%

Test No.	1		
Wt. of Container + Sand (before test) (gm)	9025		
Wt. of Container + Sand (after test) (gm)	6493		
Wt. of Sand in Cone (gm)	1518		
Wt. of Sand in Hole (gm)	2022		
Volume of Test Hole (cm³)	1320		
Wt. of Container (gm)	150		
Wt. of Container + Wet Soil (gm)	990		
Wt. of Container + Dry Soil (gm)	940		
Wt. of Dry Soil (gm)	790		
Wt. of Water (gm)	40		
Moisture Content (%)	5.1%		
Wt. of Soil from Test Hole (gm)	3065		
Wet Density of Tested Soil (gm/cm³)	2.30		
Dry Density of Tested Soil (gm/cm³)	2.19		
Compaction %	99.5%		

Acceptance criteria :-

Comply ☐ Not comply ☐

QC/Lab Eng: Company Eng: Cons. Eng

HELIOPOLIS
Concrete Technology Centre
Lab
Manager

HELIOPOLIS
Concrete Technology Centre
Design - Quality Control Testing

مشروع تطوير مزلقان ابو حمص (الطوري)

Determination of field density - ASTM D 1556.

Date	07/11/2023	
Station NO	استكمال رامب ابو حمص (مبنى الري)	
Layer no	*	شبكة أساس
Layer Thickness	20 cm	
Level		

Mid Proctor Testing Results :-

Max Dry Density (gm/cm³)	2.20
O.M.C %	6.4%
Bulk density of Standard Sand (gm/cm³)	1.52
Degree of Compaction Required (%)	98%

Test No	1		
Wt. of Container + Sand (before test) (gm)	8975		
Wt. of Container + Sand (after test) (gm)	7385		
Wt. of Sand in Cone (gm)	1510		
Wt. of Sand in Hole (gm)	2072		
Volume of Test Hole (cm³)	1362		
Wt. of Container (gm)	150		
Wt. of Container + Wet Soil (gm)	1080		
Wt. of Container + Dry Soil (gm)	970		
Wt. of Dry Soil (gm)	820		
Wt. of Water (gm)	40		
Moisture Content (%)	4.9%		
Wt. of Soil from Test Hole (gm)	3188		
Wet Density of Tested Soil (gm/cm³)	2.29		
Dry Density of Tested Soil (gm/cm³)	2.18		
Compaction %	98.9%		

Acceptance criteria :-

Comply ☐ Not comply ☐

QC/Lab Eng: Company Eng: Cons. Eng

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Concrete Technology Centre
Design - Quality Control Testing

Cairo Metro Consultant Engineers

مشروع تطوير مركز ابو حمص الطبي

Determination of fluid density - ASTM D 1556

Date	09/11/2022	
Station No.	استكمال رافت ابو حمص (مبنى الرئيسى)	
Layer No.	7 (1)	طبقة أساس
Layer Thickness	20 cm	
Level		

Mix Proportion Testing Results :-

Max. Dry Density (gm/cm³)	2.20
O.M.C. %	6.4%
Bulk Density of Unsaturated Soil (gm/cm³)	1.52
Degree of Compaction (Relative) (%)	98%

Test No.	1		
Wt. of Container + Sand (Before Test) (gm)	8862		
Wt. of Container + Sand (After Test) (gm)	5968		
Wt. of Sand in Cone (gm)	2318		
Wt. of Sand in Hole (gm)	2907		
Volume of Test Hole (cm³)	1907		
Wt. of Container (gm)	150		
Wt. of Container + Wet Soil (gm)	1000		
Wt. of Container + Dry Soil (gm)	933		
Wt. of Dry Soil (gm)	802		
Wt. of Water (gm)	67		
Moisture Content (%)	8.4%		
Wt. of Soil from Test Hole (gm)	2905		
Wet Density of Tested Soil (gm/cm³)	2.29		
Dry Density of Tested Soil (gm/cm³)	2.1*		
Compaction %	98.6%		

Acceptance criteria :-

Comply ☐ Not comply ☐

QC/Lab Eng. Complaity Eng. Cons. Eng.

HELIOPOLIS
Concrete Technology Centre
Date
Name

HELIOPOLIS
Concrete Technology Centre
Design - Quality Control Testing

مشروع تطوير مركز ابو حمص الجوي

Determination of field density : ASTM D 1556

Date	04/12/2023
Station No.	[illegible]
Layer No.	2
Layer Thickness	20 cm
Level	

طبقة أساس

Maximum Dry Density =

Max. Dry Density (gm/cm³)	2.20
O.M.C. %	6.4 %
Soil Density of Undisturbed Sand (gm/cm³)	1.52
Degree of Compaction Required (%)	98%

Test No.	1		
Wt. of Container + Sand (before test) (gm)	8810		
Wt. of Container + Sand (after test) (gm)	5240		
Wt. of Sand in Cone (gm)	1570		
Wt. of Sand in Hole (gm)	2270		
Volume of Test Hole (cm³)	1486		
Wt. of Container (gm)	450		
Wt. of Container + Wet Soil (gm)	9[illegible]		
Wt. of Container + Dry Soil (gm)	9[illegible]		
Wt. of Dry Soil (gm)	8[illegible]		
Wt. of Water (gm)	4[illegible]		
Moisture Content (%)	5.4%		
Wt. of Soil Fixed Into Hole (gm)	2277		
Wet Density of Tested Soil (gm/cm³)	2.[illegible]		
Dry Density of Tested Soil (gm/cm³)	2.1[illegible]		
Compaction %	95.8%		

Acceptance Criteria

Comply ☐ Not comply ☐

QC Lab Eng. | Civil Supervisor Eng. | Cons. Eng.

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HELIOPOLIS
Concrete Technology Center
Design - Quality Control Testing

Determination of field density - ASTM D 1556

Date	02/12/2023	
Station No	[illegible]	
Layer No	1	[illegible]
Layer Thickness	[illegible]	
Layer		

HELIOPOLIS Testing Results	
Max. dry density (gm/cm³)	2.28
O.M.C. %	6.4%
Max. density of Remoulded Mold (gm/cm³)	1.82
Degree of Compaction Required (%)	98%

Test No.	1		
Wt. of Container + Sand (before test) (gm)	8668		
Wt. of Container + Sand (after test) (gm)	5198		
Wt. of Sand in Cone (gm)	1320		
Wt. of Sand in Hole (gm)	1362		
Volume of Test Hole (cm³)	1214		
Wt. of Container (gm)	320		
Wt. of Container + Wet Soil (gm)	860		
Wt. of Container + dry Soil (gm)	810		
Wt. of Dry Soil (gm)	790		
Wt. of Water (gm)	40		
Moisture Content (%)	5.1%		
Wt. of Soil from Test Hole (gm)	2860		
Wet Density of Tested Soil (gm/cm³)	2.36		
Dry Density of Tested Soil (gm/cm³)	2.24		
Compaction %	98.8%		

Acceptance criteria

Accepted [ ] Not accepted [ ]

QC Lab Eng. | Consultant Eng. | Client Eng.

HELIOPOLIS
Concrete Technology Center

الهيئة العامة
للطرق و الكباري و النقل البري
(GARRLT)

Bader International Consultant Engineers

حصر كميات الاساس لزوم ردم قطاع البنزينة أمام مطلع الكويري والموجود داخل التخطيط

العنصر	المساحة	العمق	الحجم (م٣)
قطاع البنزينة	661	0.4	264.4
الاجمالي (م٣)			264.4

مهندس الشركة

مدير المشروع الاستشاري

كوبــرى مزلقـــان أبــوحمص

قطـاع الـرتم لقطـاع التزيـنـة الموجـود فـى مطلـع أبـوحمص

AREA = 661 M2

HELIOPOLIS
Concrete Technology Centre
Design - Quality Control - Testing

Determination of field density - ASTM D 1556

Date	25/11/2023	
Station No	طلعة زايد ابو حمص	
Layer no	2	طبقة أساس
Layer Thickness	22 cm	
Level		

Mechanical Testing Results :

Wet Dry Density (gm/cm³)	2.29
O.M.C. %	6.4%
Max Density of Standard Sand (gm/cm³)	1.32
Degree of Compaction Required (%)	98%

Test No.	1		
Wt. of Container + Sand (before test) (gm)	4900		
Wt. of Container + Sand (after test) (gm)	1041		
Wt. of Sand in Cone (gm)	1859		
Wt. of Sand in Hole (gm)	2337		
Volume of Test Hole (cm³)	1159		
Wt. of Container (gm)	150		
Wt. of Container + Wet Soil (gm)	850		
Wt. of Container + Dry Soil (gm)	800		
Wt. of Dry Soil (gm)	750		
Wt. of Water (gm)	48		
Moisture Content (%)	6.4%		
Wt. of Soil from Test Hole (gm)	2727		
Wet Density of Tested Soil (gm/cm³)	2.29		
Dry Density of Tested Soil (gm/cm³)	2.19		
Compaction %	99.5%		

Acceptance criteria :

Comply ☐ Not comply ☐

QC Tech. Eng. | Company Eng. | Cons. Eng.

HELIOPOLIS
Concrete Technology Centre
Design - Quality Control - Testing

Soil Foundation Consultant Engineers

Determination of field density - ASTM D 1556

Date	29/11/2023	
Location	[illegible]	
Layer No	1	طبقة أساس
Layer Thickness	20 cm	
Level		

Moisture Density Relation

Max. Dry Density (gm/cm³)	2.29
O.M.C. %	6.8%
Field Density of Compacted Soil (gm/cm³)	1.32
Degree of Compaction (Required 95%)	98%

Test No	1		
Wt. of Container + Sand (before test) (gm)	9310		
Wt. of Container + Sand (after test) (gm)	5470		
Wt. of Sand in Cone (gm)	1310		
Wt. of Sand in Hole (gm)	2527		
Volume of Test Hole (cm³)	1120		
Wt. of Container (gm)	150		
Wt. of Container + Wet Soil (gm)	1000		
Wt. of Container + Dry Soil (gm)	935		
Wt. of Dry Soil (gm)	785		
Wt. of Water (gm)	65		
Moisture Content (%)	8.3%		
Wt. of Soil from Test Hole (gm)	2800		
Wet Density of Tested Soil (gm/cm³)	2.25		
Dry Density of Tested Soil (gm/cm³)	2.14		
Compaction %	93.5%		

Remarks

Test results

Prepared By

Checked By

Office Eng.

HELIOPOLIS

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Concrete Technology Centre
Design - Quality Control Testing

مشروع تطوير مرتفعات ابو هيف الجنوبي

Determination of field density - ASTM D 1556

Date	30/11/2021	
Station NO.	المستطيل (أ-ب) : التسوية عند نهاية ميناء الاسماك	
Layer no.	2	طبقة أساس
Layer Thickness	20 cm	
Level		

Mod Proctor Testing Results :

Max. Dry density (gm/cm³)	2.20
O.M.C. %	6.4%
Bulk density of standard Sand (gm/cm³)	1.52
Degree of Compaction Required (%)	90%

Test No.	1		
Wt. of Container + Sand (before test) (gm)	6860		
Wt. of Container + Sand (after test) (gm)	5250		
Wt. of Sand in Cone (gm)	1510		
Wt. of Sand in Hole (gm)	2132		
Volume of Test Hole (cm³)	1400		
Wt. of Container (gm)	130		
Wt. of Container + Wet Soil (gm)	1910		
Wt. of Container + Dry Soil (gm)	962		
Wt. of Dry Soil (gm)	831		
Wt. of Water (gm)	48		
Moisture Content (%)	5.8%		
Wt. of Soil from Test Hole (gm)	3295		
Wet Density of Tested Soil (gm/cm³)	2.35		
Dry Density of Tested Soil (gm/cm³)	2.19		
Compaction %	99.6%		

Acceptance criteria :

Complete ☐ Incomplete ☐

QC Lab Eng. Geotechnic Eng. Gen. Eng.

HELIOPOLIS
Concrete Technology Center

الهيئة العامة
للجسور و الكباري و النقل البري
(GAFRRL.T)

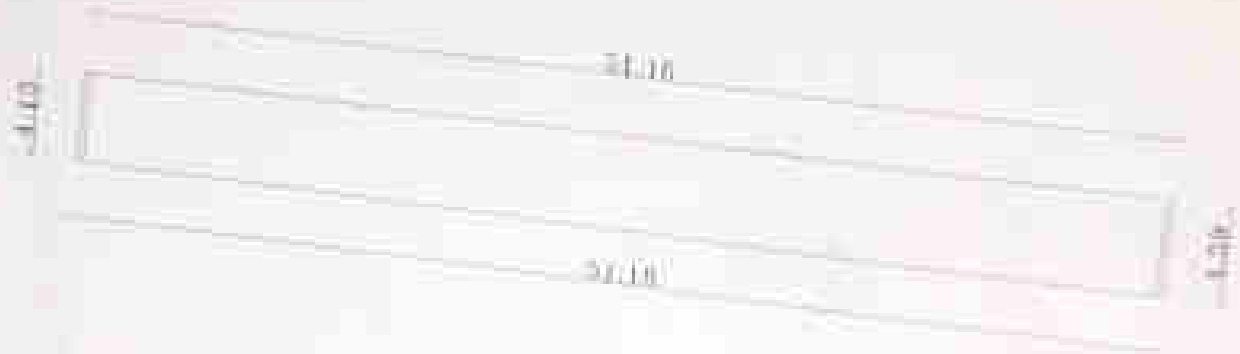
حصر كميات الاساس لزوم ردم قطاع البترينة بعد منزل الكويري والموجود داخل التخطيط

العنصر	المساحة	العمق	الحجم (م٣)
قطاع البترينة	223.2	0.4	89.3
الاجمالي (م٣)			89.3

مهندس الشركة

مدير المشروع الاستشاري

كوبـــرى مزلقـــان أبـــوحمص



قطـــاع الـــردم لقطـــاع البنزينـــة الموجـــود فـــى مـــنزل أبـــو حمـــص

AREA = 223.2 M2

HELIOPOLIS
Concrete Technology Centre
Design - Quality Control Testing

Determination of field density - ASTM D 1556

Date	27/11/2023	
Station No.	[illegible]	
Layer No.	1	طبقة أساس
Layer Thickness	20 cm	
Level		

Field Moisture Density Results	
Max. Dry Density (gm/cm³)	2.28
O.M.C. %	9.4%
Dry density of compacted layer (gm/cm³)	2.32
Degree of compaction achieved (%)	98%

Test No.	1		
Wt. of Container + Sand (before test) (gm)	6508		
Wt. of Container + Sand (after test) (gm)	5158		
Wt. of Sand to Cone (gm)	1350		
Wt. of Sand to Hole (gm)	2211		
Volume of Test Hole (cm³)	1648		
Wt. of Container (gm)	110		
Wt. of Container + Wet Soil (gm)	1016		
Wt. of Container + Dry Soil (gm)	963		
Wt. of Dry Soil (gm)	853		
Wt. of Water (gm)	53		
Moisture Content (%)	6.2%		
Wt. of Soil from Test Hole (gm)	3400		
Wet Density of Tested Soil (gm/cm³)	2.32		
Dry Density of Tested Soil (gm/cm³)	2.19		
Compaction %	96.1%		

Acceptance criteria:

Complete ☐ Not complete ☐

QC Lab Eng. | Company Eng. | Cons. Eng.

HELIOPOLIS
Concrete Technology Center

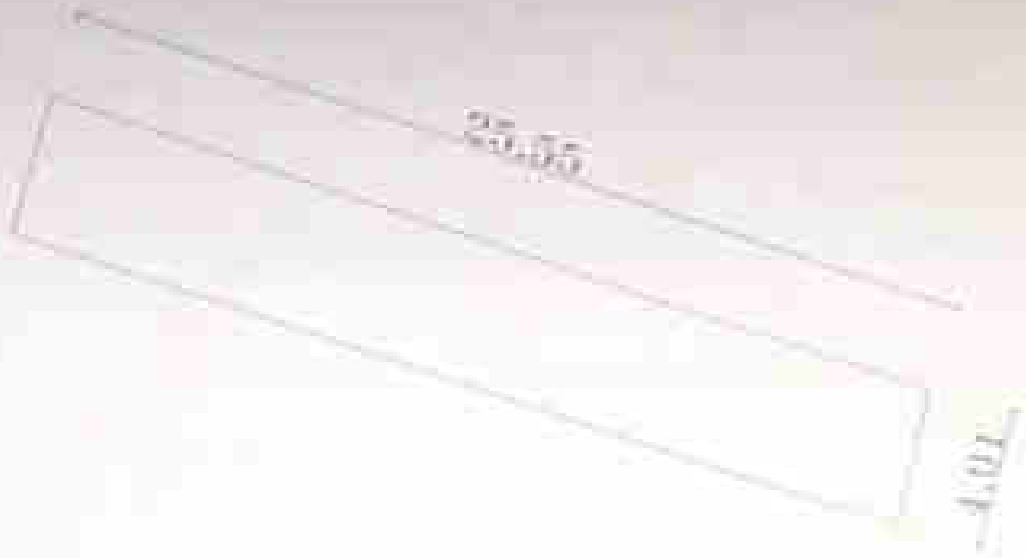
حصر كميات الاساس لزوم ردم وتأسيس القطاع أسفل الدعامة المؤقته

العنصر	المساحة	العمق	الحجم (م٣)
الدعامة	102.2	0.3	30.7
الاجمالى (م٣)			30.7

مهندس الشركة

مدير المشروع الاستشاري

كوبـــرى مزلقـــان أبـــوحمص



قطـــاع الـــردم لـــزوم تأســـيس أنبـــف الدعامـــة المؤقتـــة لـــرفع الكفـــر المعـــدنى علـــى الطـــريق الـــزراعى

AREA = 102.2 M2

حصر كميات الاساس لزوم أعمال ردم وتهيئة الطرق للتحويلات المرورية المستخدمة أثناء الوقع للتاكية المعدنية أعلى الطريق الزراعى

العنصر		المساحة	العمق	الحجم (م٣)
طريق دسوقس - المحمودية		٨,٥ كم		280
طريق القناوية المحمودية		٦ كم		240
طريق دسوقس - أبوحمص الموازى للترعة المحمودية		٨		260
التحويلات المستخدمة على الطريق الزراعى	دوران دسوقس	200	0.3	60
	دوران القناوية	180	0.3	54
	دوران دمنهور	250	0.3	75
الاجمالى (م٣)				969

مدير المشروع الاستشاري

مهندس الشركة

حصر كميات الاساس لروم ردم قطاع مبنى الارسال أمام مطلع الكوبرى والموجود داخل التخطيط

العنصر	المساحة	العمق	الحجم (م٣)
قطاع مبنى الارسال	602	0.4	240.8
الاجمالى (م٣)			240.8

مهندس الشركة

مدير المشروع الاستشاري

حصر كميات الأساس لزوم الردم بجانب السكة الحديد والطريق الزراعي لزوم تنقية ورفع الكمر المعدني

العنصر	الحجم (م٣)
ردم بجوار السكة الحديد لرفع كمر السكة الحديد اتجاه اسكندرية	160
ردم بجوار السكة الحديد لرفع كمر السكة الحديد اتجاه القاهرة	140
ردم بجوار السكة الحديد لزوم استعدال وتثبيت الأرضية لزوم تجميع الكمر لباكيات السكة الحديد	170
ردم بجوار إكس ٢٠ لزوم وقفة الاوناش لزوم رفع الكمر أعلى الطريق الزراعي اتجاه اسكندرية	230
ردم بجوار أكسات ١٧ و ١٨ لزوم استعدال وتثبيت الأرضية لزوم التجميع والتعزيم لباكيات الطريق الزراعي	210
الاجمالي (م٣)	910

مهندس الشركة

استشاري المشروع

بيان الأعمال والمستخلص رقم : (١٢) جاري

عقد : تنفيذ الكوبري بمزلقات أبو صخير الجنوبي

رقم البند وبيانه : (١٢)	واقع المستخلص أعمال تم ردم وزن طبقة تدريب من الموجود السائل متوسط النجاح MCR بمعدل من (٠,٢ - ٠,٥) كجم / م٢ وزن قوي طبقة الأساس بعد إتمام دمكها وتطبيقها جيدا وتم التحقق طبقا لمخططات التنفيذية المعتمدة والمواصفات الفنية المعتمدة والمعمول بها طبقا لأصول الصناعة وبموافقات الهيئة العامة للطرق والكباري ومهندس المشروع المهندس المشرف

تنفيذ شركة : الشبل العامة للطرق والكباري

الكمية بالمقايسة المعتمدة رقم : ..... بند رقم : ..... مقدار العمل السابق : .....

بيان الأعمال والمقايسة	الموقع الكيلو متري من		الكمية		الإجمالي م٢
	من	إلى	مستخلص م٢		
مجمع الكوبري عند	C5		913		913
مجمع الكوبري أمام قطاع الجزيرة وميل الإسكان وأعمال التوسعة	C11		1443		1443
مجمع الكوبري أمام قطاع الجزيرة وميل الإسكان وأعمال التوسعة بجوار المسجد الداخلي	C3		2272		2272
مخارج الكوبري عند	A25		855		855
مخارج الكوبري بعد لزوم أعمال التوسعة بعد	A27		838		838
مخارج الكوبري عند	B1		287		287
مخارج الكوبري لزوم أعمال التوسعة بعد	B5		750		750
مخارج الكوبري عند	A01		1209		1209
مخارج الكوبري عند	A00		1178		1178
لزوم أعمال الدهان والتوسعة عند الجبلية	A00		2157		2157
الإجمالي					10941
إجمالي ما تم تنفيذه حتى تاريخه				10941	
إجمالي الكمية المعدلة والمستخلص السابق				0	
الكمية المنفذة والمستخلص خلال مدة				10941	
إجمالي الكمية المنفذة والمستخلص الحالي				10941	

من الشركة — من الاستشاري — من الجهة

[illegible]

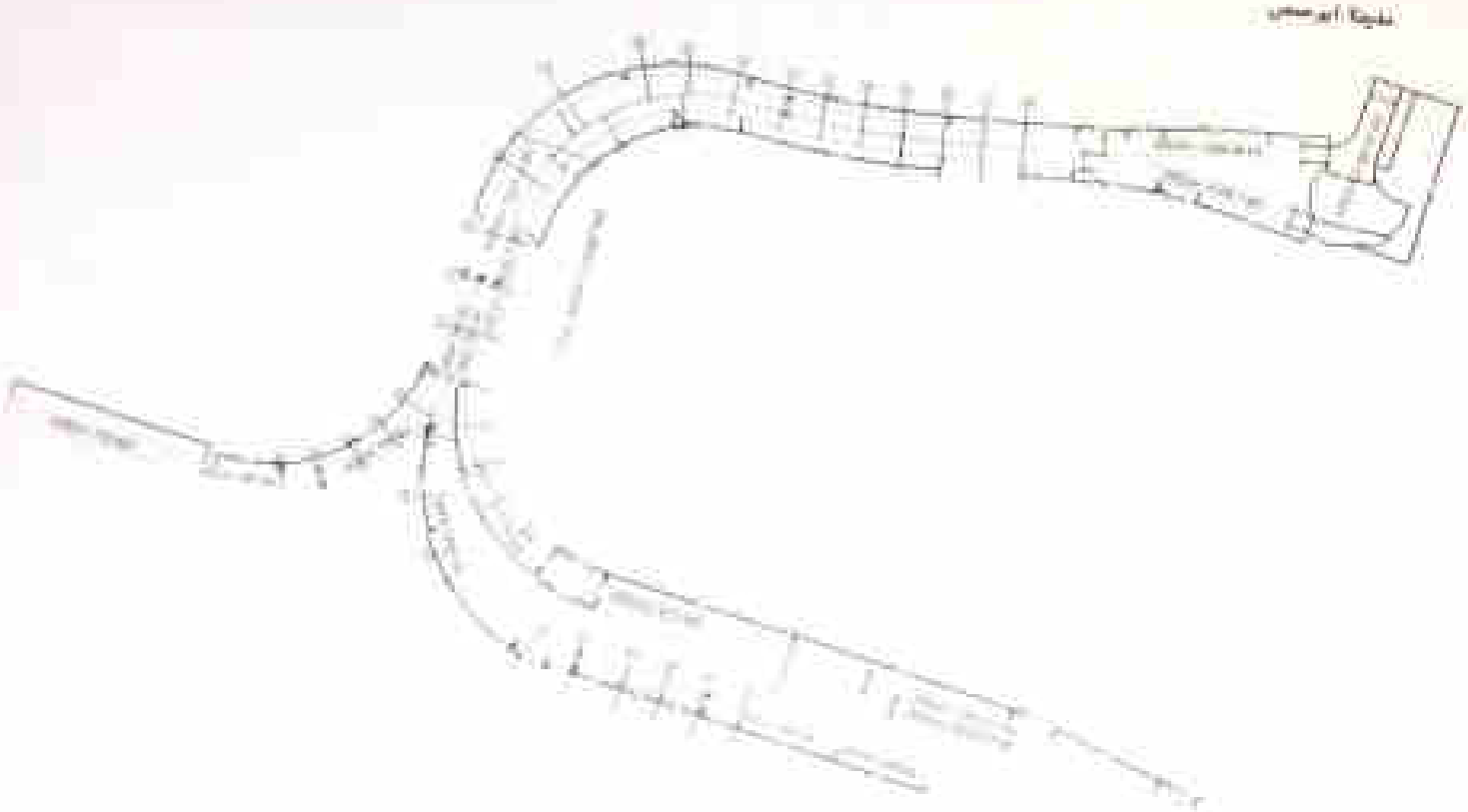
[illegible]

الكميات	الوحدة	القطاع
313	م٢	مطبخ تكوين عدد (1)
1442	م٢	مطبخ التكوين أمام قطاع الدراسة ومبنى الإسكان وأعمال الموسعة (21)
2273	م٢	مطبخ التكوين أمام قطاع الدراسة ومبنى الإسكان وأعمال الموسعة جوار المطبخ الرئيسي (2)
351	م٢	مدخل التكوين عدد (B3)
368	م٢	مدخل التكوين بعد تروم أعمال الموسعة بعد (B2)
387	م٢	مدخل التكوين عدد (B)
750	م٢	مدخل التكوين تروم أعمال الموسعة بعد (B)
1204	م٢	مطبخ التكوين عدد A55
1133	م٢	مدخل التكوين عدد A56
4157	م٢	تروم أعمال المدخل والموسعة عدد الأسود A55
13541		الإجمالي (م٢)

[illegible]

مهندس المشروع

كوبرى مزلقان ابوحمص



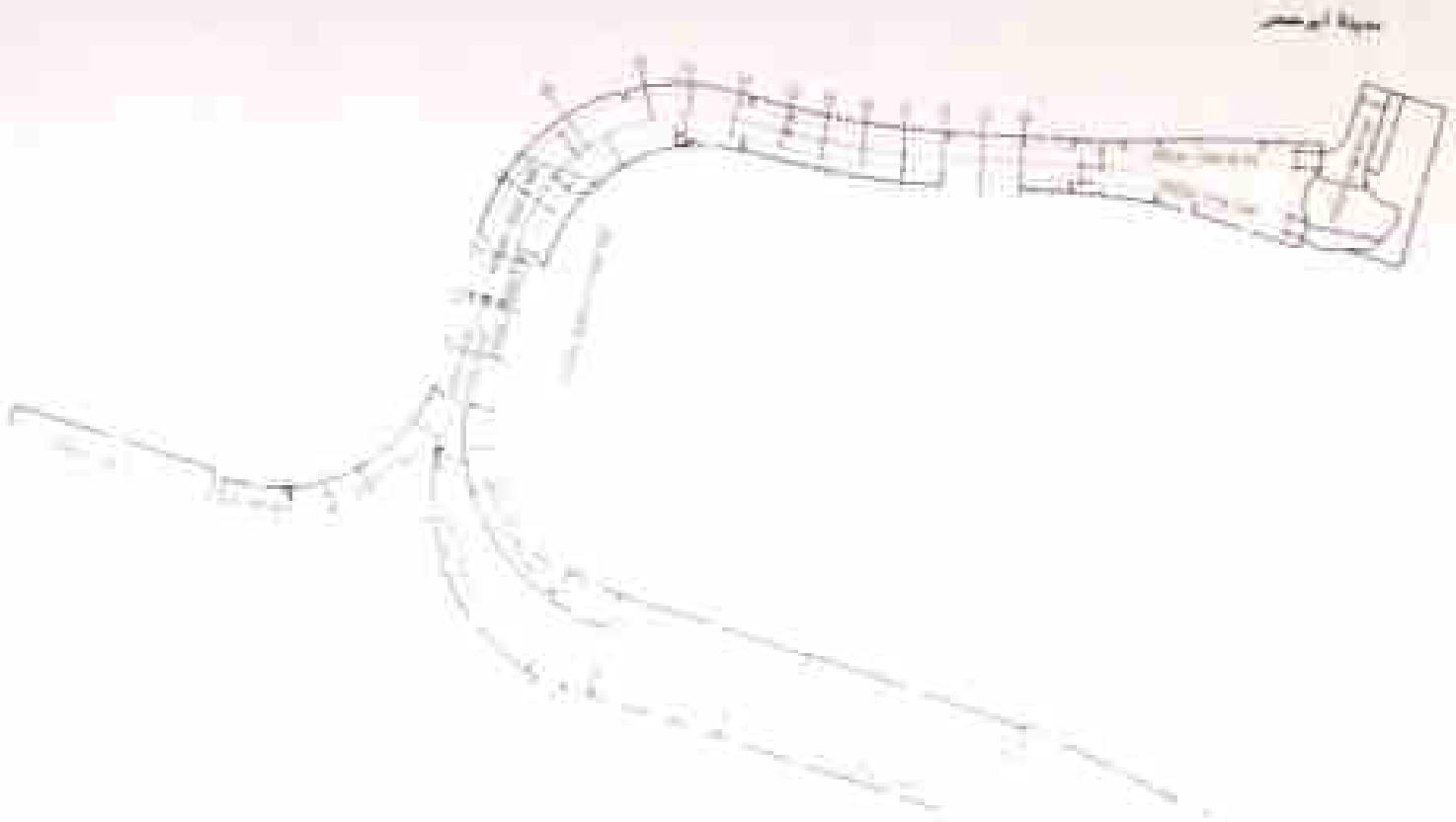
قطاعات مسطحات الكوبرى لزوم حصر كميات الاسفلت

[illegible]

القطاع		الوحدة	المساحة
من الس A00 حتى A16	1.5	م٢	2104
من الس A16 حتى 21	1.5	م٢	711
من الس A00 حتى A16	0.5	م٢	1441
من الس A16 حتى A16	[illegible]	م٢	317
من الس A16 حتى 65	[illegible]	م٢	709
من الس A16 حتى A16	[illegible]	م٢	719
من الس A16 حتى A21	[illegible]	م٢	1427
من الس 000 حتى A16	1.5	م٢	2310
من الس A16 حتى 21	1.5	م٢	711
من الس A00 حتى A16	[illegible]	م٢	2131
من الس A16 حتى A16	[illegible]	م٢	754
من الس A16 حتى 65	[illegible]	م٢	759
من الس A16 حتى A16	[illegible]	م٢	819
من الس A16 حتى A21	[illegible]	م٢	1427
مقطع الكوبري عند	21	م٢	515
مقطع الكوبري [illegible]	111	م٢	1441
مقطع الكوبري [illegible]	27	م٢	2172
[illegible] الكوبري عند A21		م٢	355
[illegible] الكوبري [illegible] A21		م٢	318
[illegible] الكوبري عند 65		م٢	287
[illegible] الكوبري [illegible] 65		م٢	759
مقطع الكوبري عند A00		م٢	1209
[illegible] الكوبري عند A00		م٢	1178
[illegible] A00		م٢	2157
الإجمالي (٢)			8633

[illegible]　　　　مهندس [illegible]

كوبري مزلقان ابوحمص



لقطاعات مسطحات الكوبري لزوم حصر كميات الأسفلت

[illegible]

[illegible]

[illegible]	[illegible]
[illegible]	[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
الإجمالي				[illegible]

[illegible] [illegible]

[illegible] 0

[illegible] [illegible]

[illegible] [illegible]

عن الشركة

عن الاستشاري

[illegible]

[illegible]

[illegible]

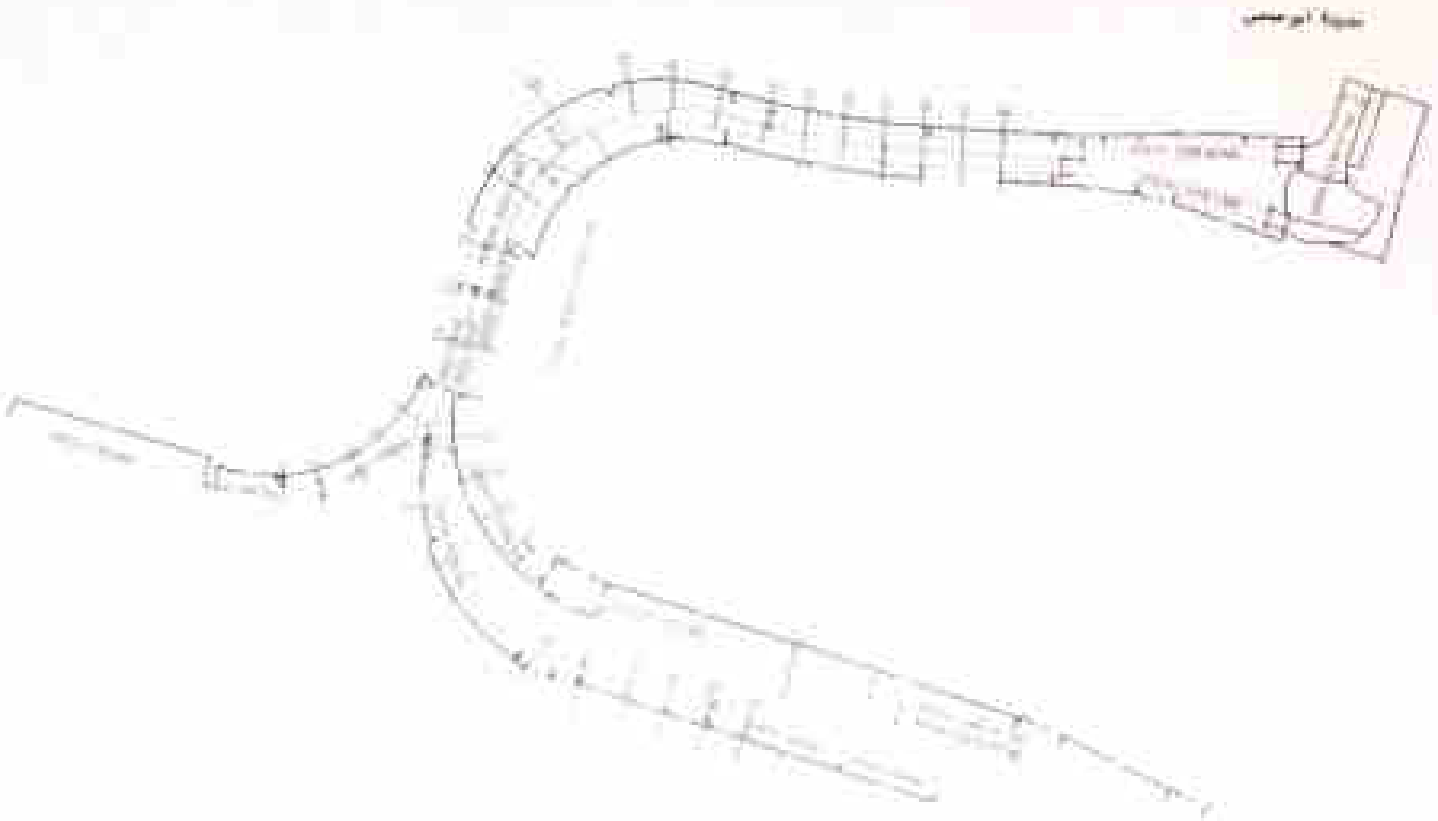
[illegible]	[illegible]	[illegible]	[illegible]
من الكيلو A00 حتى A10	[illegible]	[illegible]	[illegible]
من الكيلو A10 حتى C1	[illegible]	[illegible]	[illegible]
من الكيلو A00 حتى A14	[illegible]	[illegible]	[illegible]
من الكيلو A14 حتى A16	[illegible]	[illegible]	[illegible]
من الكيلو A16 حتى B1	[illegible]	[illegible]	[illegible]
من الكيلو A14 حتى A16	[illegible]	[illegible]	[illegible]
من الكيلو A16 حتى A25	[illegible]	[illegible]	[illegible]
مطبع الكيلو عند C1	[illegible]	[illegible]	[illegible]
مطبع الكيلو أمام قطع البلدية ومبنى الاتصال وأعمال التوسعة C11	[illegible]	[illegible]	[illegible]
مطبع الكيلو أمام قطع البلدية ومبنى الاتصال وأعمال التوسعة بجوار المحافظة شمالي C2	[illegible]	[illegible]	[illegible]
مازل الكيلو عند A25	[illegible]	[illegible]	[illegible]
مازل الكيلو بعد ترميم أعمال التوسعة بعد A27	[illegible]	[illegible]	[illegible]
مازل الكيلو عند B1	[illegible]	[illegible]	[illegible]
مازل الكيلو ترميم أعمال التوسعة بعد B1	[illegible]	[illegible]	[illegible]
مطبع الكيلو عند A00	[illegible]	[illegible]	[illegible]
مازل الكيلو عند A00	[illegible]	[illegible]	[illegible]
ترميم أعمال الجدار والتوسعة عند البئر A00	[illegible]	[illegible]	[illegible]
الإجمالي (م٢)			[illegible]

[illegible]

مهندس الشركة

[illegible]

كوبرى مزلقان ابوحمص



قطاعات مسطحات الكوبرى لزوم حصر كميات الاسفلت

[illegible]

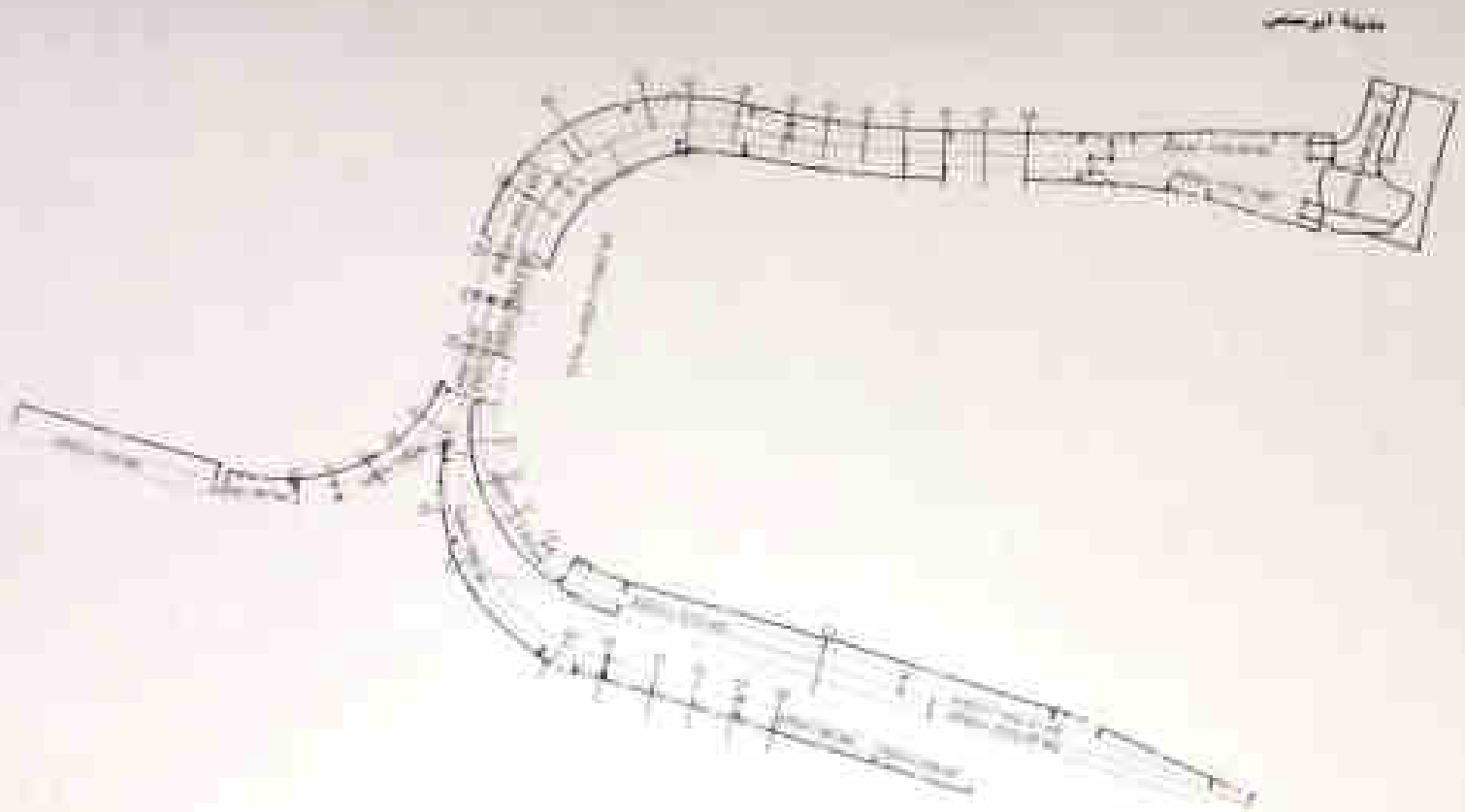
[illegible]

القطاع		الوحدة	الكمية
من الكم A00 حتى A16	1..5	م٢	2514
من الكم A16 حتى C1	1..5	م٢	711
من الكم A00 حتى A14	F..5	م٢	1111
من الكم A14 حتى A16	F..5	م٢	857
من الكم A16 حتى B5	R..5	م٢	709
من الكم A14 حتى A15	M..5	م٢	853
من الكم A16 حتى A25	M..5	م٢	1827
مطبخ الكوبري عند E5		م٢	311
مطبخ الكوبري أمام قطاع التجزئة وبين الإسمال وأعمال التوسعة C11		م٢	1143
مطبخ الكوبري أمام قطاع التجزئة وبين الإسمال وأعمال التوسعة بجوار المحلات التجارية C7		م٢	2272
مدخل الكوبري عند A25		م٢	816
مخرج الكوبري بعد تروم أعمال التوسعة بعد A27		م٢	416
مخرج الكوبري عند B5		م٢	294
مدخل الكوبري تروم أعمال التوسعة بعد E5		م٢	758
مطبخ الكوبري عند A00		م٢	1209
مدخل الكوبري عند A00		م٢	1178
تروم أعمال المخرج والتوسعة عند المحطة A00		م٢	2197
الإجمالي (م٢)			20778

مهندس الشركة

مهندس الاستشاري

كوبرى مزلقان ابوحمص



قطاعات مسطحات الكوبرى لزوم حصر كميات الاسفلت

[illegible]

[illegible]

بيان الأعمال المستخلص رقم (١٩) جاري

[illegible] أبو حمص العلوي

رقم البند وبيانه (١٩)	تحويلات مرورية لزوم تأمين وسلامة المرور خلال تنفيذ أعمال الصيانة والتأهيل [illegible] على طول الجهة

[illegible] الهيئة العامة للطرق والنقل

الكمية والمقايسة

[illegible]

بيان الأعمال بالمقايسة	الموقع تقاطع مدرج من	إلى	الأبعاد طول	عرض	[illegible]
[illegible]			٢٩		[illegible]
[illegible]			٨		[illegible]
[illegible]			١٢		[illegible]
[illegible]			٢٣		[illegible]

[illegible]

[illegible]	١٩٩
[illegible]	٤١
[illegible]	١٥٥
[illegible]	١٥٥

[illegible] | [illegible] | [illegible]

[illegible]

[illegible]

[illegible]

بيان الأعمال والمستخلص رقم (١٩) جاري

[illegible]

رقم البند وبيانه (٢٢) في البنود المستجدة	بالمتر طولي وذلك بالمتر (طن من الحديد 43 B) مقاس (٢٠ - ١٢٩) قطع للاشتراطات والمواصفات الموضحة بالجدول والرسومات والأسعار بأسعار العقد وبواسطة المستخدم أسفل الكلاف من رقاقو الموانيرات العربة والمعدات من رقاقو المستخدم

[illegible]

الكمية بالمستخدمة رقم ٤	٤		مقدار العمل السابق	٠
بيان الأعمال بالمقايسة	التبويب التقديري			
	من	إلى	الإجمالي	الكمية
رقم [illegible] 429 & 428			٠ ، ٢٢٩ ، ٠٢٩	٤

اجمالي بالمو المنفذة حتى تاريخه	٤	
اجمالي الكمية المنفذة والمستخلص السابق	٠	
الكمية المنفذة والمستخلص الحالي فقط	٤	
اجمالي الكمية المنفذة والمستخلص الحالي	٤	

عن الشركة

عن الاستشاري

عن الهيئة

[illegible]

بيان الأعمال بالمستخلص رقم : [٢٩] جاري

[illegible]

رقم البند وبيانه : [٢٩] في البيان المستخلص	[illegible]

[illegible]

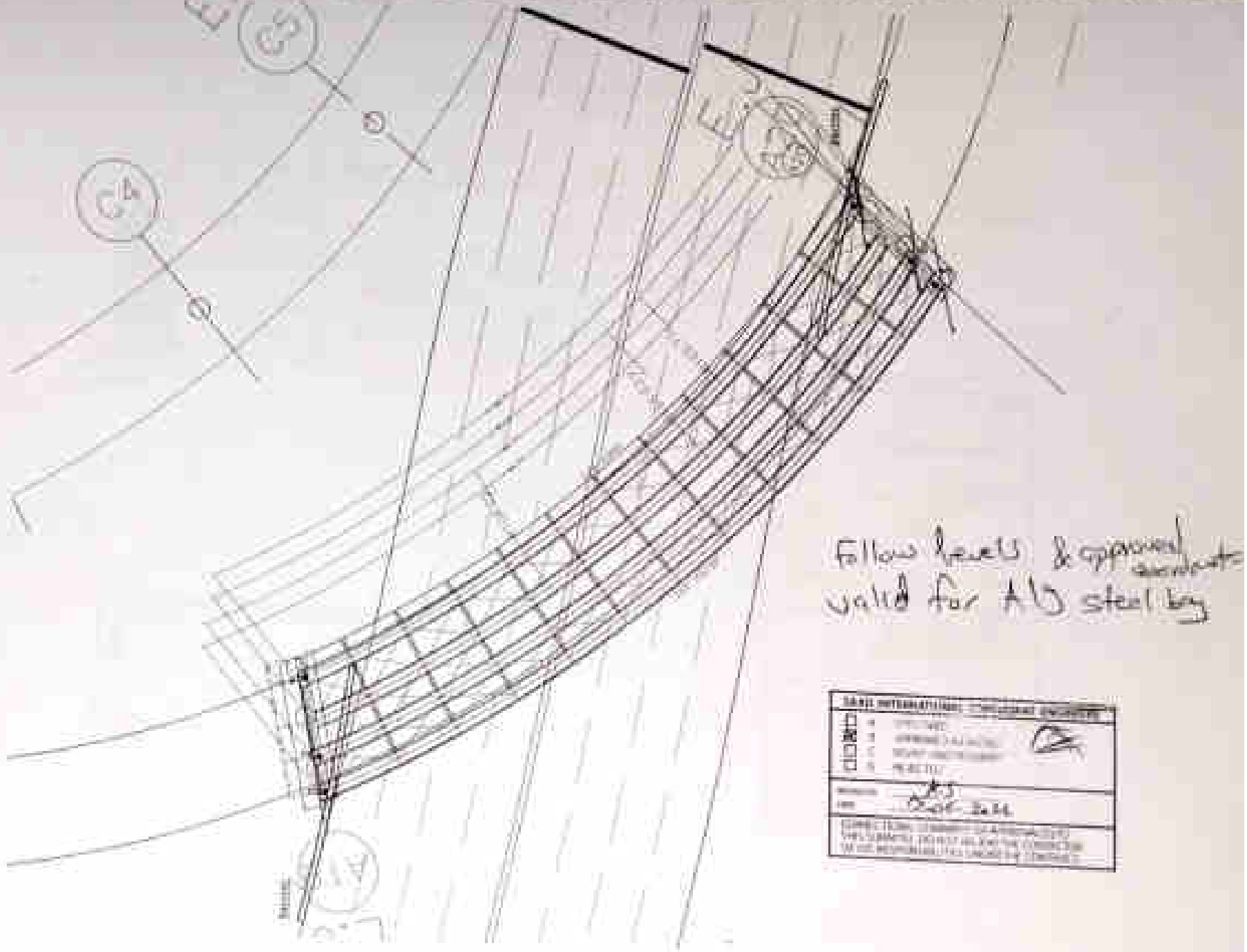
القيمة بالمائة رقم :	٠		مقدار العمل السابق	٠
بيان الأعمال المنفذة	المبلغ المقدر			
	من	إلى	البند	القدر
رقم بند [illegible] 9.29 & 9.30			[illegible]	٢

إجمالي حكم المقدر من الرقم	٢	
مجمل القيمة المدرجة بالمستخلص السابق	٠	
القيمة المدرجة بالمستخلص جاري مدة	٢	
مجمل القيمة المدرجة بالمستخلص الحالي	٢	

عن الشركة

عن الاستشاري

عن الجهة



ABU HUMS BRIDGE

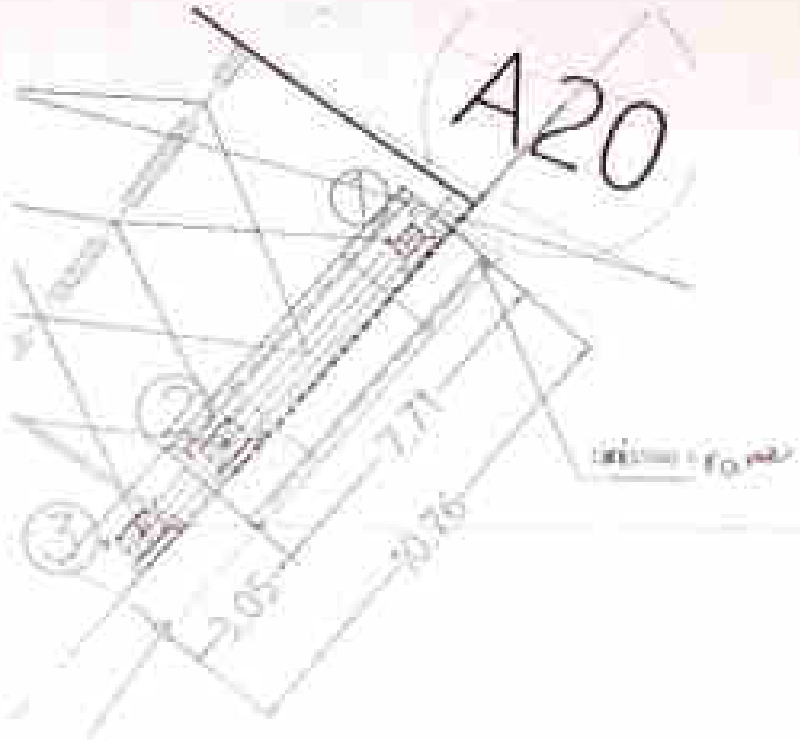
270

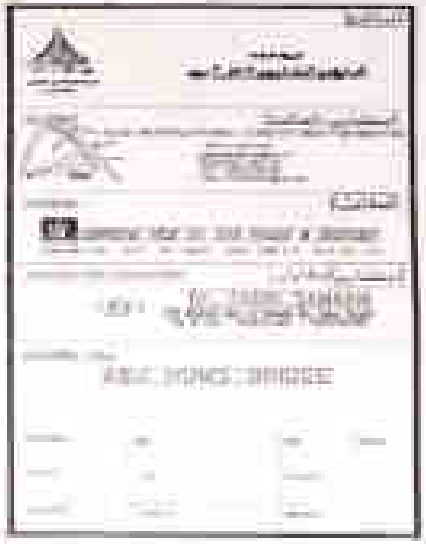
270

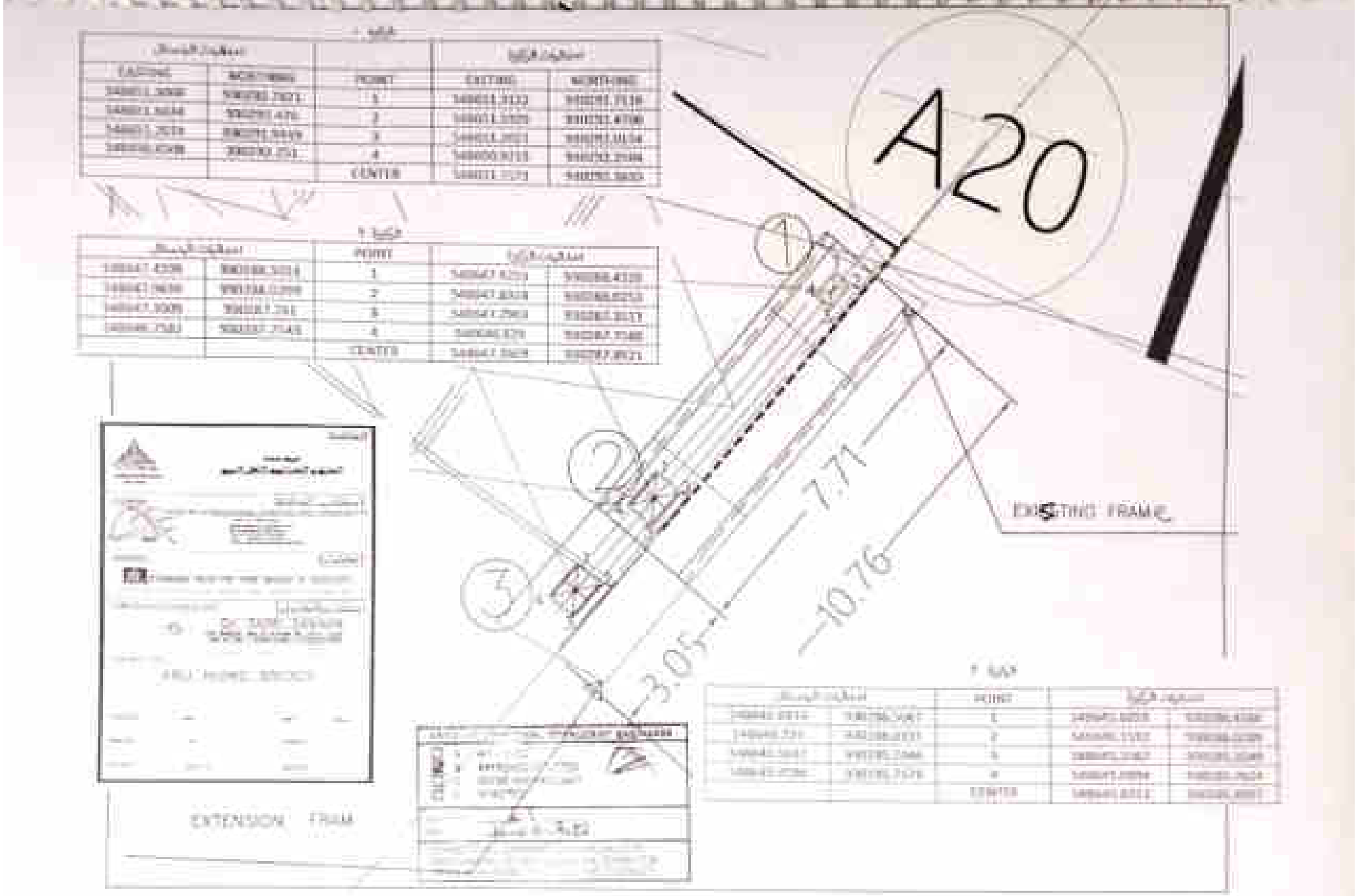
335

follow tables

A16







الهيئة العامة
للطرق و الكباري و النقل البري
(GARBLT)

مركز الإمكان للخرسانة

HELIOPOLIS
Concrete Technology Centre
Design : Quality Control Testing

Client :	GARBLT (General Authority of Road and Bridge and Land Transport)
Consultant	Rasal International Consulting Engineers
Contractor	The General El Arbi Company for Roads and Bridges
Project	Abu Hamos Slip Bridge
Bridge Name	Slip Bridge

Concrete Cubes Compressive Strength

Casting Date :	24/09/2023	Class :	500 kg/cm²
Weight description :	PC		
Cube Size (Cm) :	10*10*10		
Source of Mix :	Site	Grout Type :	BASF Master flow 600

Item : Grout

A 19, A 20 هامات

No.	Casting Date	Age Day	Weight (gm)	Density (gm/cm³)	Load (KN)	Compressive Strength (kg/cm²)	مكان الكسر	Average (kg/cm²)
1	24/09/2023	7	2390	2.390		527	الهيئة العامة	532
2	24/09/2023	7	2410	2.410		540	الهيئة العامة	
3	24/09/2023	7	2355	2.355		520	الهيئة العامة	
					Increase %			106%

Acceptance criteria : complie ☐ Not complie ☐

Notes :-

Lab Eng. Company Eng. Consultant Eng.

HELIOPOLIS
Concrete Technology Center

وزارة النقل
الهيئة العامة للطرق والنقل
الهيئة العامة للطرق والنقل [illegible]

[illegible]
[illegible] الهيئة العامة للطرق والنقل

بيان الاعمال بالمستخلص رقم : (١٩) جاري

عملية : انشاء كوبري مرتفعات ابو سمس الحلوي

رقم البند وبيانه (مستخلص (١٩))	باعمال الحفريات بوزيها وتركيب وتحميل قواعد من [illegible] في رابعة الكوبري من [illegible] وتحقيق [illegible] والرسومات وكل ما يتبع طبقا للمواصفات الفنية والسعر يشمل التوريد وتركيب جميع الاجزاء وكذلك تعامل [illegible] (١٠٠) متر والسعر يشمل كل ما يتبع طبقا لاصول الصناعة والرسومات والمواصفات وتعليمات المهندس المشرف

الجهة شركة : النيل العامة للطرق والكباري

الكمية بالمقايسة (أ) [illegible] مقدار العمل السابق

بيان الاعمال بالمقايسة	التوقيع الكشوف بحري		الاجمالي		
	من	الى	حتى تاريخه		
[illegible]					
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]
الاجمالي (م٢)					[illegible]

اجمالي ما تم انشاءه حتى تاريخه	[illegible]
اجمالي الكمية المنفذة بالمستخلص السابق	
الكمية المنفذة بالمستخلص خلال مدة	[illegible]
اجمالي الكمية المنفذة بالمستخلص الحالي	[illegible]

عن الشركة — عن الاستشاري — عن الهيئة

عماد

كوبرى مزلقان أبوحمص

فواصل التمدد وأنواعها وأطوالها

NEOPRENE EXPANSION JOINTS

AXIS	LENGTH (M)
A19	7.28
A22	7.1
A20	7.16
A7	7.1
A8	10.8
A9	7.1
A10	13.1
TOTAL	**59.64**

وزارة النقل
الهيئة العامة للطرق والكباري
الهيئة العامة للطرق والكباري المنطقة الثالثة بمصر

الشركة العامة للطرق والكباري
إحدى شركات الهيئة العامة للطرق والكباري

بيان الأعمال بالمستخلص رقم : (١٩) جاري

عملية : انشاء كوبري مزلقان أبو حمص العلوي

رقم البند وبيانه : (مستجد ٨٠٨)	بالعدد تجربة اختبار ديناميكي على خازوق عامل قطر ١,٠ م وبتحميل ٢٠٠ ٪ من حمل التشغيل والبند يشمل بهو الاعمال بهو كاملا طبقا لاصول الصناعة والرسومات والمواصفات والسعر يشمل تنفيذ رقبة عمود قطر ١,٠ متر وارتفاع ٢ متر شامل جميع التسليح لزوم تنفيذ التجربة وازالة رقبة العمود بعد انتهاء التجربة .

لتنفيذ شركة : النيل العامة للطرق والكباري

الكمية بالمقايسة						
			مقدار العمل السابق			
بيان الأعمال بالمقايسة	الموقع الكيلومتري من	الى	الأبعاد متر طولي		العدد	الاجمالي م
بالعدد تجربة اختبار ديناميكي على خازوق عامل قطر ١,٠ م وبتحميل ٢٠٠ ٪ من حمل التشغيل والبند يشمل بهو الاعمال			بالعدد		١	١
الإجمالي						١

اجمالي عام تنفيذه حتى تاريخه	١
اجمالي الكمية المدرجة بالمستخلص السابق	
الكمية المدرجة بالمستخلص خلال مدة	١
اجمالي الكمية المدرجة بالمستخلص الحالي	١

عن الشركة — عن الاستشاري — عن الهيئة

وزارة النقل
الهيئة العامة للطرق والكباري
الهيئة العامة للطرق والكباري المنطقة الأولى مصر

تنفيذ شركة النيل العامة للطرق والكباري

بيان الاعمال بالمستخلص رقم : (١٩) جارى

عملية : انشاء كوبرى مزلقان أبو حمص العلوى

رقم البند وبيانه : (مستجد ٩-أ)	بالطن توريد وتشغيل وتركيب حديد انشائي لزوم تنفيذ الباكية المعدنية (A19-A20) أعلى الطريق الزراعي (القاهرة الاسكندرية) بعد تعديل التصميم باستخدام قطاعات صندوقية دورانية لعدم توافر الواح صاج ١٠٠ مم والبند يشم المسامير - اللحامات -الاختبارات - النقل من المصنع للموقع وتوفير وتجهيز ساحات تجميع وتشغيل ولحام القطاعات واستخدام أوناش بالحمولات المناسبة مع الدهان بوجهين برايمر طبقا لاصول الصناعة والرسومات التنفيذية والمواص

تنفيذ شركة : النيل العامة للطرق والكبارى

الكمية بالمقايسة المجددة رقم ٤	٩٢٤,٥ طن	مقدار العمل السابق	٠

بيان الاعمال بالمقايسة	الوزن (بالطن)	العدد	الاجمالى بالطن
حصر الباكية المعدنية A19-A20	٦٦٩,٥٣٦	١	٦٦٩,٥٣٦
نسبة ال ٥,٥ % (معاملات المسامير واللحام والدرفلة)	٣٦,٨٢٤	١	٣٦,٨٢٤
الاجمالى (بالطن)			٧٠٦,٣٦٠

اجمالى ماتم تنفيذه حتى تاريخه	٧٠٦,٣٦٠
[illegible]	[illegible]
الكمية المدرجة بالمستخلص [illegible]	[illegible]
اجمالي الكمية المدرجة بالمستخلص الحالي	[illegible]

عن الشركة | عن الاستشاري | عن الهيئة

energya

Tech. Department - Engineering

Material List

Rev 1

IFF

Release No : 0001

SHEET NO :- MX-L-2373-A19-0001

A19-A20 Steel Bridge

IFF

General Nils For Roads & Bridges(Abu Hamour2373)	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	1	Ashraf		06/16/2021

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
Sheet No:-		Rev. 1 (General Revision)											
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

Issued For construction

Release No : 0001 SHEET NO :- MX-L-2373-A19-0001 **IFF**

A19-A20 Steel Bridge

General Nile For Roads & Bridges(Abu Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	5	[illegible]		08/18/2021

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
										86,335	86,335		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57	57	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				

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Technical Department
Issued For Construction

Release No : 0001 SHEET NO :- MX-L-2373-A19-0001 **IFF**

A19-A20 Steel Bridge

General Nile For Roads & Bridges(Abu Homos) 2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	1	[illegible]		[illegible]

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
										37,086	37,086		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department
Issued For construction

Release No : **0001** SHEET NO :- **MX-L-2373-A19-0001** IFF

A19-A20 Steel Bridge

General Nile For Roads & Bridges(Abu Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	1	[illegible]		08/16/2023

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12	12	1,447				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	146				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
										103,298	103,298		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				

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Technical Department

Issued For construction

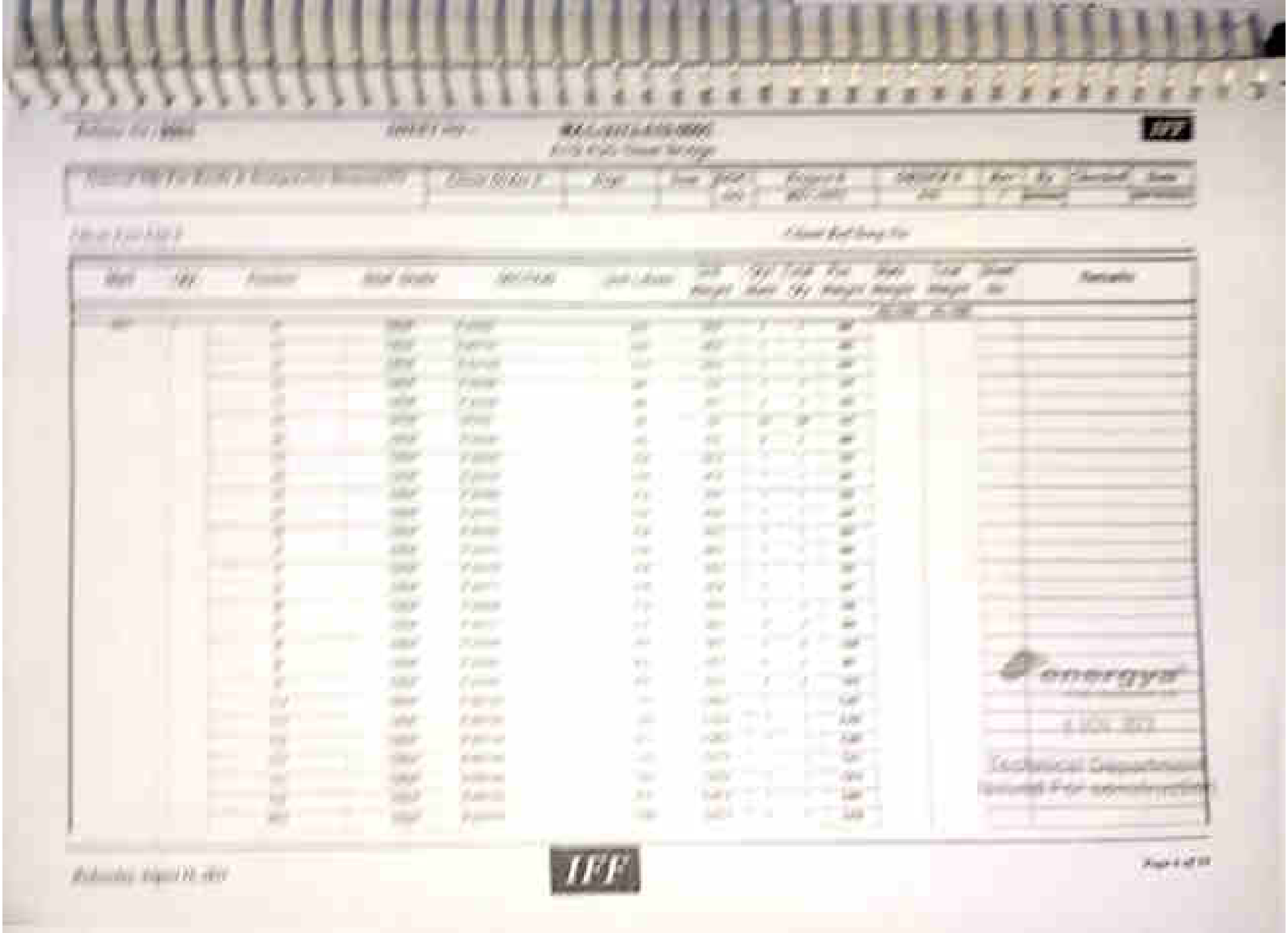
A19-A20 Steel Bridge

General Nile For Roads & Bridges(Abu Hamos)(2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	1	Ashaad		08/10/2023

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				



General Nile Far Roads & Bridges(Abu Humos)(2373)	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	[illegible]	[illegible]		[illegible]

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
										64.437	64.437		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	8	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	108	108	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	8	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	8	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				

Release No : 0001 SHEET NO :- MX-L-2373-A19-0001

A19-A20 Steel Bridge

IFF

General Site For Roads & Bridges(Abu Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	[illegible]	[illegible]		[illegible]

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										54,838	54,838		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department
Issued For construction

Release No : 0001 SHEET NO :- MX-L-2373-A19-0001

A19-A20 Steel Bridge

IFF

General Nbr For Roads & Bridges(Abu Hamra)(2373)	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	1	Release		08/10/2023

Client Part List #

Client Ref Dwg No.

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		814	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		812	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		714	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		724	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		723	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		722	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		804	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		803	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		804	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		803	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		804	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
										74,291	74,291		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		108	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		108	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		108	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		108	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		108	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		107	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		102	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		102	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		202	[illegible]	[illegible]	[illegible]	[illegible]	17	17	[illegible]				
		98	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		98	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		98	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		76	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		91	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				

Release No : **0001** *SHEET NO :-* **MX-L-2373-A19-0001** **IFF**

A19-A20 Steel Bridge

General Nile For Roads & Bridges(Abu Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	1	[illegible]		[illegible]

Client Part List # *Client Ref Dwg No*

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										60,987	60,987		
											523,420		

Total Weight = **523,420** *Kg*

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Steel Fabrication Inc.
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Material List

Rev 0

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Release No : 0007

SHEET NO :- MX-L-2373-A19-0001

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Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC NO	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	[illegible]	[illegible]		10/19/2023

Client Part List #

Client Ref Dwg No

Sheet No:- —

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	11				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										282	282		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										282	282		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Release No : **0007** *SHEET NO :-* **MX-L-2373-A19-0007** **IFF**

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Hamos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	[illegible]	[illegible]	[illegible]		[illegible]

Client Part List # *Client Ref Dwg No*

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										679	679		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										672	672		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										353	353		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Release No : 0007 **SHEET NO :-** MX-L-2373-A19-0007

IFF

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	[illegible]	0	[illegible]		[illegible]

Client Part List # **Client Ref Dwg No**

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										887	887		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										872	872		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department
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Release No : 0007 **SHEET NO :-** **MX-L-2373-A19-0007**

IFF

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Hamus)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		[illegible]

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										670	670		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										677	677		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										937	937		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

Issued For construction

Release No : 0007 SHEET NO :- MX-L-2373-A19-0007 **IFF**

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Site For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC. No.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	3	[illegible]		10/19/2023

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										831	831		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										872	872		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

Issued for construction

Release No : 0007 **SHEET NO :- MX-L-2373-A19-0007**

IFF

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		10/19/2023

Client Part List # **Client Ref Dwg No**

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										388	388		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										334	334		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										341	341		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

Issued For construction

Release No : 0007 **SHEET NO :-** **MX-L-2371-A19-0007** **IFF**

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2371	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2371	A19	0	[illegible]		[illegible]

Client Part List # **Client Ref Dwg No**

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										353	353		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										270	270		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										271	271		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										281	281		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department - Issued For construction

Release No : 0007 **SHEET NO :-** MX-L-2373-A19-0007 **IFF**

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	Refaat		16/10/2025

Client Part List # **Client Ref Dwg No**

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										334	334		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										335	335		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										309	309		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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[illegible]
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Technical Department
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Release No : 0007 **SHEET NO :** **MX-L-2373-A19-0002** **IFF**

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		[illegible]

Client Part List # **Client Ref Dwg No**

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										339	339		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										343	343		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										879	879		

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Technical Department
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Release No : 0007 **SHEET NO :-** MX-L-2373-A19-0007 **IFF**

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Pile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		10/15/2023

Client Part List # **Client Ref Dwg No**

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16	16	8				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	440				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	141				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	16				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	107				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	8	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	37				
										830	830		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16	16	8				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	440				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	141				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	107				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	8	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
										891	891		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	141				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	6				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				

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[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

Horizontal Bracing For A19-A20 Abo Homus Steel Bridge

General Site For Roads & Bridges(Abo Homus)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		10/19/2023

Client Part List # **Client Ref Dwg No**

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										574	574		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										887	887		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										729	729		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department
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Release No : 0007 **SHEET NO :-** MX-L-2373-A19-0007

IFF

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		10/19/2023

Client Part List # *Client Ref Dwg No*

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	18				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	141				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	9				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	288				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	32				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	98				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	27				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	22				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	27				
										676	676		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	14	6				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	255				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	141				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	9				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	21				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	38				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	82				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	8	22				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	25				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	8	19				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	38				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	38				
										706	706		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	14	6				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	418				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	141				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	18				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	107				

Release No : 0002 *SHEET NO :-* MX-L-2373-A19-0002

Horizontal Bracing For A16-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DWG NO.	Project #	ORDER #	Rev	By	Checked
					MX-L-2373	419	0	[illegible]	

Client Part List # *Client Ref Dwg No*

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										[illegible]	[illegible]		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										[illegible]	[illegible]		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

Release No : 0002 **SHEET NO :-** MX-L-2273-A19-0002 **IFF**

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Site For Roads & Bridges(Abo Homos)2273	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-C-2273	[illegible]	[illegible]	[illegible]		[illegible]

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

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Release No : 0007　　SHEET NO :- MX-L-2373-A19-0007

IFF

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	[illegible]	[illegible]	[illegible]		[illegible]

Client Part List #　　Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										671	671		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										668	668		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department
Issued For construction

Release No : 0007

SHEET NO :- **MX-L-2373-A19-0007**

IFF

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		10/19/2023

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										883	883		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										342	342		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										287	287		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

Issued For construction

Release No : 0002 **SHEET NO :-** MK-L-2373-A19-0007 **IFF**

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MK-L-2373	A19	[illegible]	[illegible]		[illegible]

Client Part List # *Client Ref Dwg No*

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										277	277		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										271	271		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										336	336		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

Issued For construction

Release No : 0007 **SHEET NO :-** **MX-L-2373-A19-0007**

IFF

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nfs For Roads & Bridges(Abu Homos)2373	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		19/10/2023

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										353	353		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										252	252		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										882	882		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

Issued For construction

Horizontal Bracing For A19-A20 Abo Hornos Steel Bridge

General Nile For Roads & Bridges/Abo Hornos/2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	[illegible]	Johnson		[illegible]

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										337	337		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										880	880		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										343	343		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

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Release No : 0007 SHEET NO :- MX-L-2373-A19-0007

IFF

Horizontal Bracing For A19-A20 Abu Homos Steel Bridge

General Site For Roads & Bridges(Abu Homos(2373)	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		[illegible]

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										275	279		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										383	383		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										334	334		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

Issued For construction

Release No : 0007 **SHEET NO :- MX-L-2373-A19-0007** **IFF**

Horizontal Bracing For A19-A20 Abu Homos Steel Bridge

General Nile For Roads & Bridges(Abu Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		[illegible]

Client Part List # *Client Ref Dwg No*

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										362	362		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										287	287		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										275	275		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department
Issued For construction

Release No : 0007 **SHEET NO :-** MX-L-2373-A19-0007

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		10/19/2023

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	11				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										274	274		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	11				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										274	274		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	102				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										370	370		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	114				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department
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Release No : 0002 SHEET NO :- MX-L-2373-A19-0002

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	[illegible]	Release		10/19/2023

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	198	3.3	4	4	13				
		[illegible]	[illegible]	[illegible]	388	11.2	2	2	[illegible]				
		413	[illegible]	[illegible]	1130	76.4	1	1	76				
										386	386		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	158	0.8	3	3	1				
		[illegible]	[illegible]	[illegible]	1070	48.2	2	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	412	1.4	[illegible]	[illegible]	7				
		[illegible]	[illegible]	[illegible]	471	43.7	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	472	10.5	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	198	3.3	4	4	13				
		[illegible]	[illegible]	[illegible]	388	11.2	2	2	[illegible]				
		413	[illegible]	[illegible]	1130	76.4	1	1	76				
										343	343		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	158	0.8	2	2	1				
		[illegible]	[illegible]	[illegible]	1271	45.1	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	1158	76.3	1	1	76				
		[illegible]	[illegible]	[illegible]	386	2.7	2	2	5				
		[illegible]	[illegible]	[illegible]	333	40.1	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	412	11.9	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	153	3.8	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	390	1.7	2	2	[illegible]				
										271	271		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	158	[illegible]	4	4	2				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	1110	75.4	1	1	75				
		[illegible]	[illegible]	[illegible]	386	2.7	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	330	40.1	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	402	[illegible]	2	2	[illegible]				

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Technical Department

Issued For construction

Thursday, October 19, 2023

Page [illegible] of [illegible]

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abu Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		10/19/2023

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										386	386		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										343	343		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										271	271		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
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		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Release No : 0007 SHEET NO :- MX-L-2373-A10-0007 **IFF**

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	[illegible]	[illegible]	[illegible]		[illegible]

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										301	301		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										338	338		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										343	343		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

Issued For construction

Release No : 0002 SHEET NO :- MX-L-2373-A19-0007

IFF

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Bands & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		10/10/2023

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit LMtrs	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
										342	342		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	8	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
										672	672		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
										372	372		
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				

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Technical Department
Issued For construction

Release No : 0007 SHEET NO :- MX-L-2373-A19-0007 **IFF**

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		[illegible]

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										382	382		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										338	338		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										361	361		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department
Issued For construction

Release No : 0007 SHEET NO :- MX-L-2373-A19-0007 IFF

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nfs For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	Ashraf		10/19/2023

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										353	353		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										287	287		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										270	270		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										270	270		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

Issued For construction

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		10/19/2023

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	S42	PL10X10	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S42	PL20X20	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S42	UPN80	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S42	UPN80 +	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S42	PL20X25	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S42	PL20X25	[illegible]	[illegible]	8	8	[illegible]				
		[illegible]	S42	PL20X30	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	S42	PL20X30	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	S42	PL20X40	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S42	PL10X10	[illegible]	[illegible]	1	1	[illegible]				
										1,016	1,016		
[illegible]	1	[illegible]	S42	PL10X10	[illegible]	[illegible]	8	8	[illegible]				
		[illegible]	S42	UPN80	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S42	PL10X15	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S42	PL20X15	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S42	PL20X15	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S42	PL20X20	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	S42	PL20X15	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S42	PL20X40	[illegible]	[illegible]	1	1	[illegible]				
										394	394		
[illegible]	1	[illegible]	S42	PL10X10	[illegible]	[illegible]	14	14	[illegible]				
		[illegible]	S42	PL20X20	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S42	UPN80	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S42	PL20X15	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S42	UPN80	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S42	UPN80	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S42	PL20X15	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S42	PL20X30	[illegible]	[illegible]	1	1	[illegible]				

Release No : 0007 **SHEET NO :-** MX-L-2373-A19-0007

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	Release		10/19/2023

Client Part List # **Client Ref Dwg No**

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										915	915		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										906	906		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

Release No : 0007 **SHEET NO >** **MX-L-2373-A19-0007** **IFF**

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		10/19/2023

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
										365	366		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										327	327		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										380	380		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										364	364		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

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Technical Department

Issued For construction

Release No : 0007 SHEET NO :- MX-L-2373-A19-0007

IFF

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)(2373)	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	[illegible]		[illegible]

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	S45	PL[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S45	PL[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S45	PL[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S45	PL[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S45	PL[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	S45	PL[illegible]	[illegible]	[illegible]	2	2	[illegible]				
										287	287		
[illegible]	1	[illegible]	S45	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
										274	274		
[illegible]	1	[illegible]	S45	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
										399	399		
[illegible]	1	[illegible]	S45	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	S45	[illegible]	[illegible]	[illegible]	1	1	[illegible]				

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Technical Department
Issued For construction

Release No : 0002 SHEET NO :- M3-L-2373-A19-0002 IFF

Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nile For Roads & Bridges(Abo Homos)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					M3-L-2373	A19	0	Mohamed		10/10/2021

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
										272	272		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
										343	343		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
										335	335		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				

Release No : 0002 SHEET NO :- MX-L-3373-A19-0002

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Horizontal Bracing For A19-A20 Abo Homos Steel Bridge

General Nlls For Roads & Bridges(Abo Homos(1373)	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-3373	A19	0	Released		18/10/2023

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
										335	335		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
										359	359		
											43,422		

Total Weight = 43,422 Kg

[illegible]

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Release No : 0004

SHEET NO :- MX-L-2373-A19-0004

IFF

Splice Of A19-A20 Steel Bridge For MG2& MG4

General Site For Roads & Bridges(Abu Humos)(2373)	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	Released		[illegible]

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	For. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
Sheet No:-	—												
[illegible]	1	[illegible]	[illegible]	PLATES	[illegible]	[illegible]	1	2	1,[illegible]				
										552	1,523		
[illegible]	2	[illegible]	[illegible]	PLATES	[illegible]	1,[illegible]	1	2	[illegible]				
										1,269	2,539		
[illegible]	4	[illegible]	[illegible]	PLATES	[illegible]	[illegible]	1	4	1,[illegible]				
										411	1,644		
[illegible]	2	[illegible]	[illegible]	PLATES	[illegible]	[illegible]	1	2	[illegible]				
										485	969		
[illegible]	4	[illegible]	[illegible]	PLATES	[illegible]	[illegible]	1	4	[illegible]				
										238	952		
[illegible]	4	[illegible]	[illegible]	PLATES	[illegible]	[illegible]	1	4	[illegible]				
										386	3,094		
[illegible]	2	[illegible]	[illegible]	PLATES	[illegible]	[illegible]	1	2	[illegible]				
										485	969		
											12,081		

Total Weight = 12,081 Kg

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Tuesday, August 23, 2021

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Tech. Department - Engineering

Material List

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Release No : 0002

SHEET NO :- MX-L-2373-A19-0002

Splice Of A19-A20 Steel Bridge For MG1& MG3

General Nile For Roads & Bridges(Abu Hamour)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	Kia	0	Released		[illegible]

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit Length	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No	Remarks
Sheet No:-	—												
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
										1,039	2,077		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	2,04				
										1,077	2,154		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	2,06				
										571	2,284		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	1,08				
										485	1,939		
[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	1,00				
										385	1,542		
											8,996		

Total Weight = 8,996 Kg

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STEEL FABRICATION CO.

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Release No / [illegible]

SHEET NO :- MK-L-2373-A19-0005

IFF

Lifting Lugs Door For A19-A20 Steel Bridge

General Nlo For Roads & Bridges(Abu Hamra)(2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MK-L-2373	A19	0	Rehana		[illegible]

Client Part List # [illegible]

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
Sheet No:-	—												
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	2	407				
										203	407		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	5	[illegible]				
										91	3,160		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	12				
										3	12		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	4	[illegible]				
										4	14		
											3,691		

Total Weight = 3,691 Kg

[illegible]

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Fabric Fabrication Co.
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ES-WP-11-F-33 Issue A/0

Tech. Department - Engineering

Material List

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IFF

Release No : 006

SHEET NO :- MX-L-2373-A19-0006

IFF

Washer Plate for A19-A20 Steel Bridge

General Nile For Roads & Bridges(Abo Romee)(2373)	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	AF		[illegible]

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
Sheet No:-	—												
[illegible]	[illegible]	[illegible]	[illegible]	FLOOR	[illegible]	[illegible]	1	[illegible]	[illegible]				
										1	39		
											39		

Total Weight = 39 Kg

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IFF

Release No : 0002

SHEET NO :- MX-L-2373-A19-0002

A19-A20 Steel Bridge (B, EXG, VBS, XB)

IFF

General Nile Fee Roads & Bridges(Abu Hamad2373)	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	1	Ashraaq		[illegible]

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit Length	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No	Remarks
Sheet No:	—												
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	223	223		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	220	220		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	200	1,401		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	202	202		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	227	227		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				

Wednesday, August 30, 2023

IFF

Release No : 0002 SHEET NO :- MX-L-2373-A19-0002

IFF

A19-A20 Steel Bridge (B, EXG, VB& XB)

General Nile For Roads & Bridges(Abu Hamur(2373)	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	1	Released		[illegible]

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	272	272		
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	251	251		
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2,366	2,366		
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2,384	2,384		
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2,184	2,184		
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2,741	2,741		
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	[illegible]				

Technical Department

Wednesday, August 18, 2021

IFF

Release No : 0002 SHEET NO :- MX-L-2173-A19-0002 IFF

A19-A20 Steel Bridge (B. EXG. VBS XB)

General Nile For Roads & Bridges(Abu Hamur)2173	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev.	By	Checked	Date
					MX-L-2173	A19	1	[illegible]		[illegible]

Client Part List #

Client Ref Drg No

Mark	Qty	Position	Steel Grade	SECTION	Unit Length	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										6,020	6,020		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										6,066	6,066		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										33	1,188		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										24	636		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										173	1,725		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										24	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										29	288		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										29	288		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										72	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										66	197		

Wednesday, August 16, 2023

IFF

Release No : 0002 SHEET NO :- MX-L-2373-A19-0002

IFF

A19-A20 Steel Bridge (B, EXG, VB& XB)

General Nile For Roads & Bridges(Abu Hamed)(2373)	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	1	Released		[illegible]

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				
										30	882		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				
										33	722		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										92	1,345		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				
										31	616		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										34	340		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				
										81	486		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				
										34	340		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				
										83	439		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				
										57	680		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				
										57	685		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				
										57	57		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				
										57	57		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				Rev. 1 Item Qty Decreased
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				Rev. 1 Length Increased From [illegible]
										184	551		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]				
										181	1,287		

Wednesday, August 18, 2021

IFF

Release No. 0002 SHEET NO :- MX-L-2375-A19-0002

IFF

A19-A20 Steel Bridge (B, EXG, VB& XB)

General Nbr For Roads & Bridges(Abu Hamur)2373	Client Order #	Dept.	Item	DOC. NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2375	A19	1	[illegible]		[illegible]

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										164	164		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										65	65		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										53	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										56	446		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										71	710		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										71	710		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										56	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
										56	[illegible]		

Wiesbaden, August 30, 2021

IFF

Release No : 0002 SHEET NO :- MX-L-2373-A19-0002

IFF

A19-A20 Steel Bridge (B, EXG, VB& XB)

General Nbi For Roads & Bridges(Abu Hamur)2373	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	449	1	[illegible]		[illegible]

Client Part List # Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Shed No.	Remarks
[illegible]	9	1	S1.44	[illegible]	[illegible]	[illegible]	1	9	[illegible]				
										65	585		
[illegible]	10	15	S1.44	[illegible]	[illegible]	[illegible]	1	10	[illegible]				
										92	923		
[illegible]	10	17	S1.44	[illegible]	[illegible]	[illegible]	1	10	[illegible]				
										72	719		
[illegible]	9	2	S1.44	[illegible]	[illegible]	[illegible]	1	9	[illegible]				
										53	472		
[illegible]	9	16	S1.44	[illegible]	[illegible]	[illegible]	1	9	[illegible]				
										56	222		
[illegible]	9	3	S1.44	[illegible]	[illegible]	[illegible]	1	9	[illegible]				
										77	355		
[illegible]	9	14	S1.44	[illegible]	[illegible]	[illegible]	1	9	[illegible]				
										71	355		
[illegible]	9	18	S1.44	[illegible]	[illegible]	[illegible]	1	3	[illegible]				
										56	167		
[illegible]	9	6	S1.44	[illegible]	[illegible]	[illegible]	1	3	[illegible]				
										56	111		

Total Weight = 49,999 Kg

Wednesday, August 30, 2023

IFF

energya

Tech. Department - Engineering

Material List

Rev 0

IFF

Release No : 008

SHEET NO :- MX-L-2373-A19-0008

Angles for Metal Deck

General Note For Roads & Bridges(Abu Hamou)2373	Client Order #	Dept.	Item	DOC .NO.	Project #	ORDER #	Rev.	By	Checked	Date
					MX-L-2373	A19	0	P.Gabel		18/12/2023

Client Part List #

Client Ref Dwg No

Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
Sheet No:-	—												
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										191	191		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1,826				[illegible]
										229	1,826		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										330	330		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										230	230		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										265	265		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										504	504		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										514	514		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										83	1,907		
											5,676		

Total Weight :- 5,676 Kg

energya

Tech. Department - Engineering

Material List

Rev 0

IFF

Release No : 008

SHEET NO :- MX-L-2373-A19-0008

Angles for Metal Deck

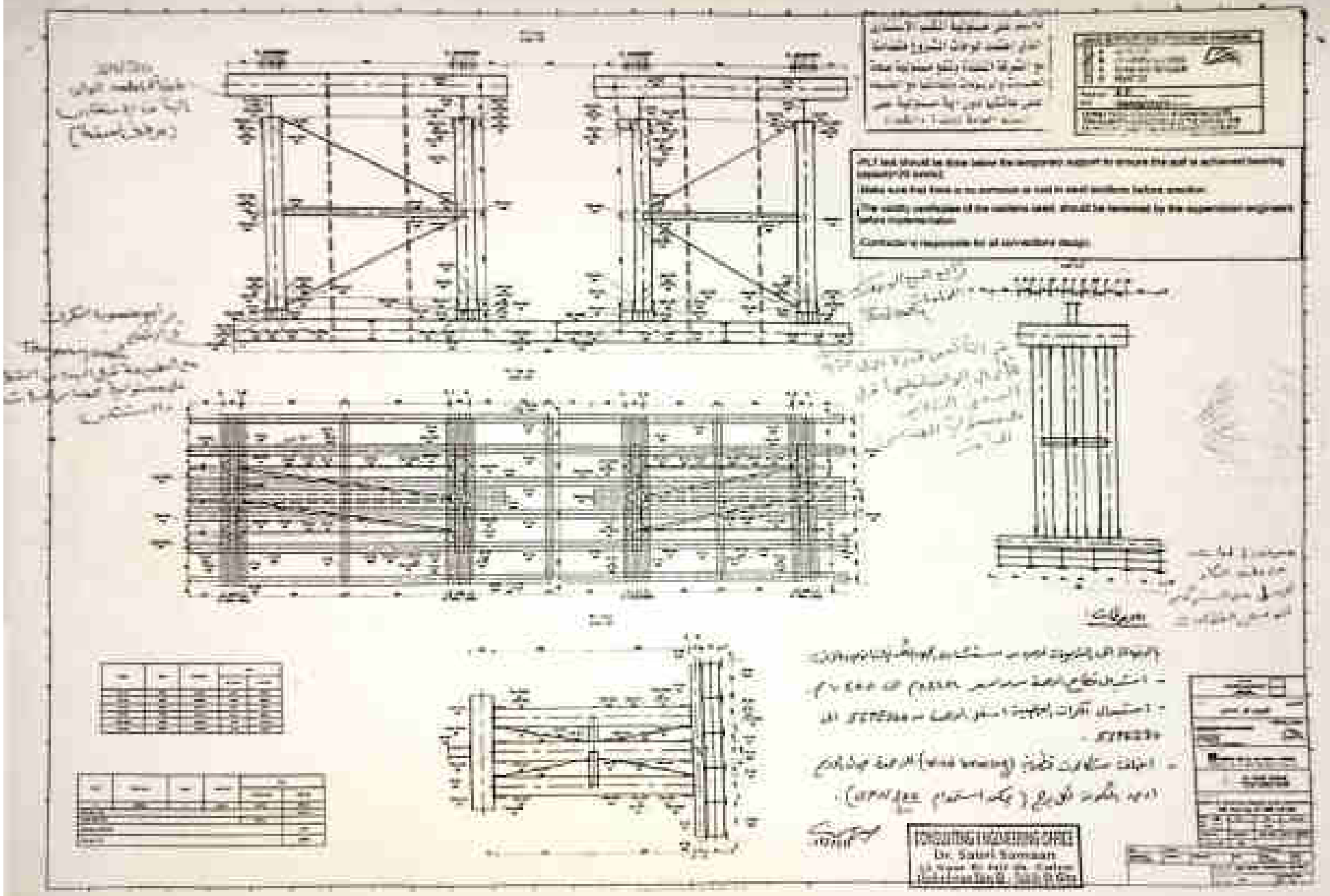
General Nile For Roads & Bridges(Abu Hamou)2373	Client Order #	Dept.	Item	DOC NO.	Project #	ORDER #	Rev	By	Checked	Date
					MX-L-2373	A19	0	P.Gatlen		14/12/2023

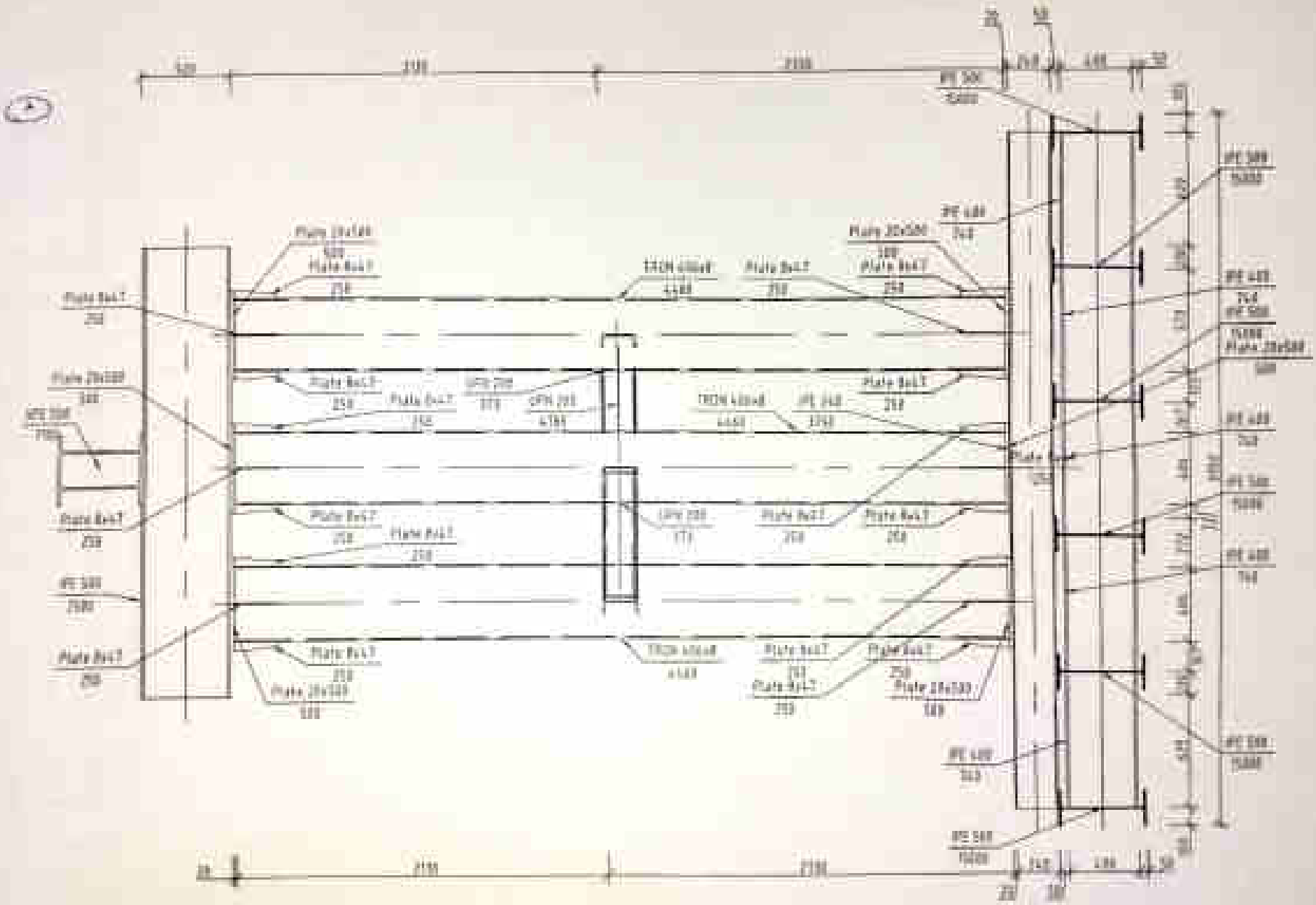
Client Part List #

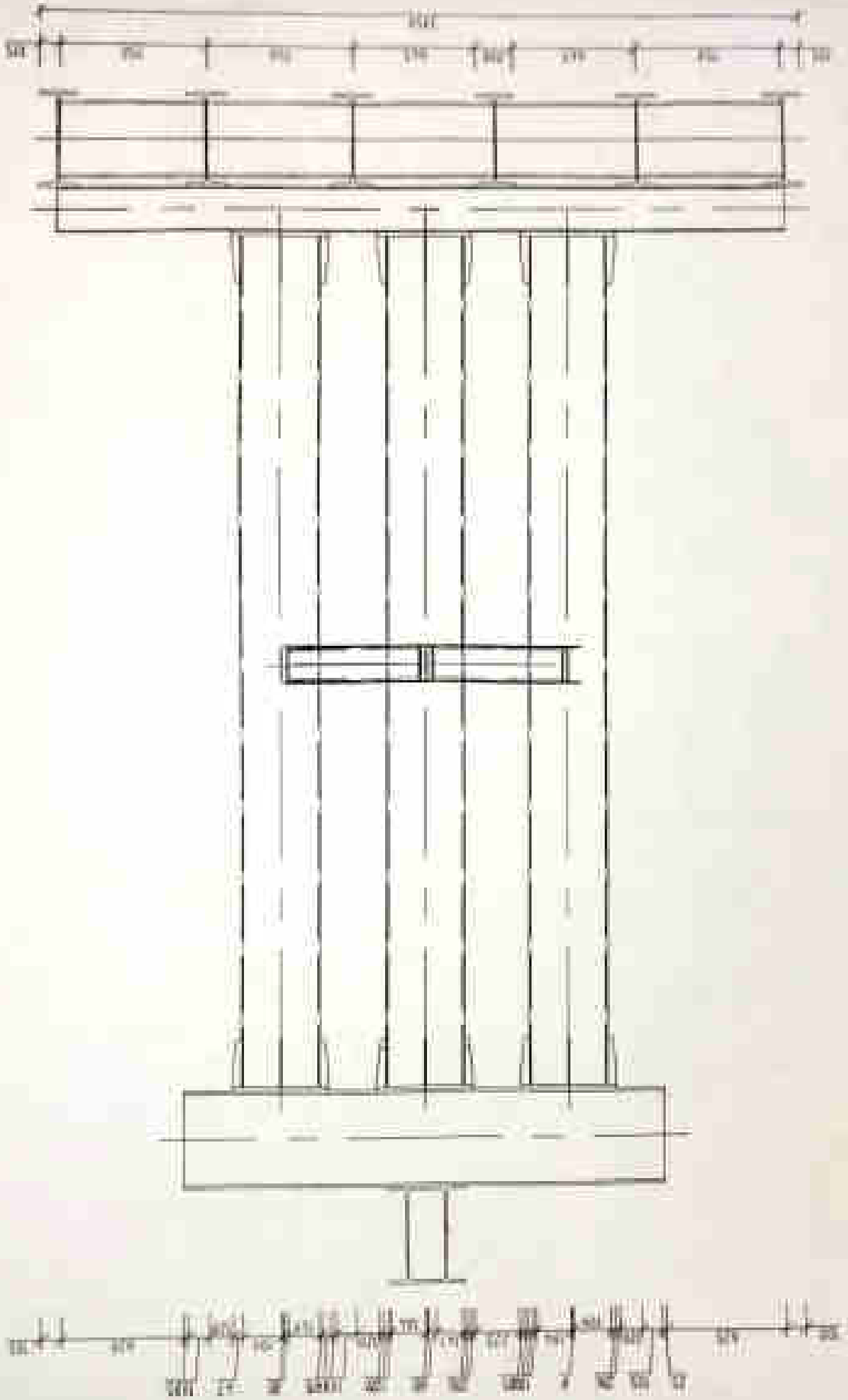
Client Ref Dwg No

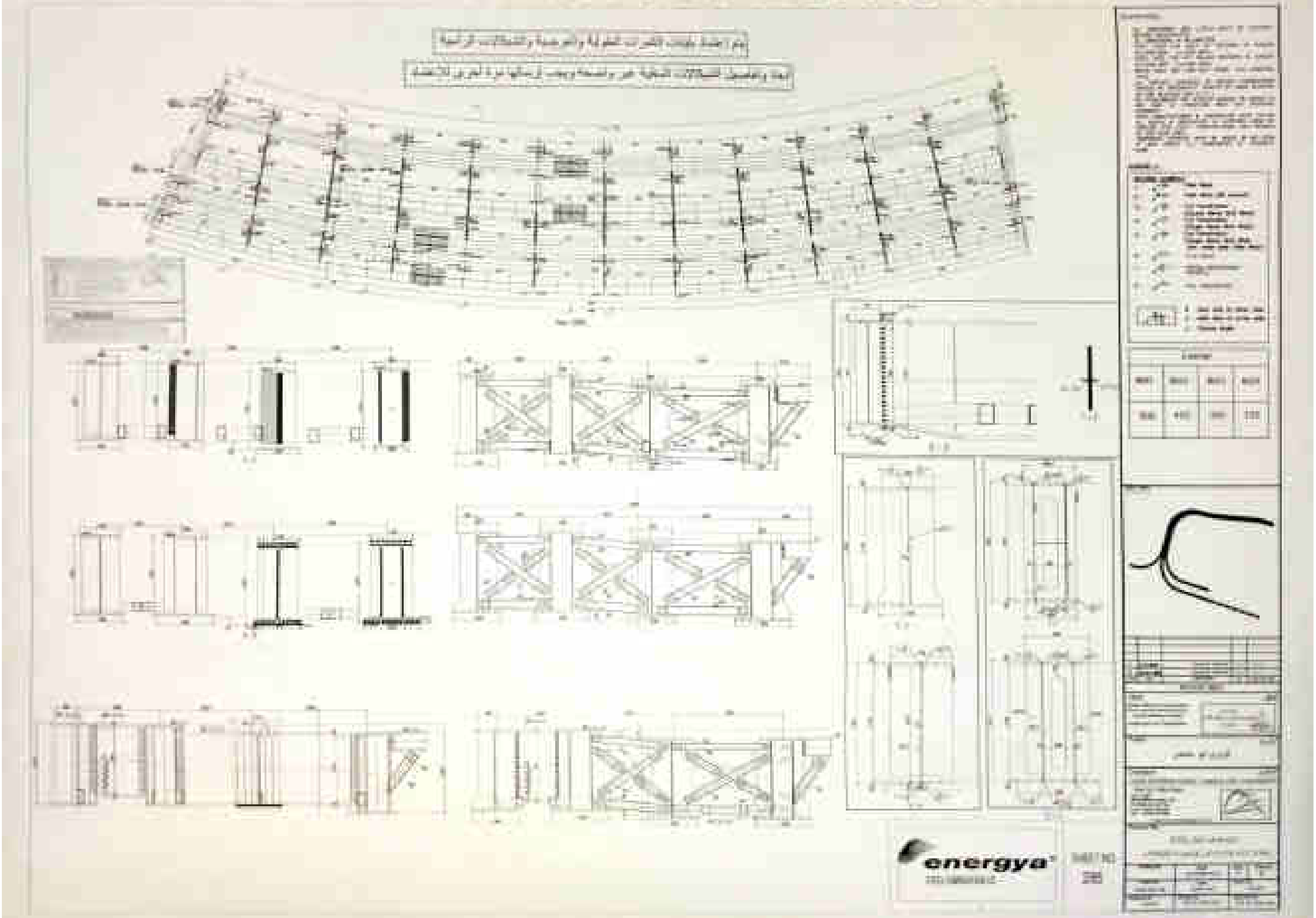
Mark	Qty	Position	Steel Grade	SECTION	Unit L/Area	Unit Weight	Qty/ Mark	Total Qty	Pos. Weight	Mark Weight	Total Weight	Sheet No.	Remarks
Sheet No:	—												
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										191	191		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										229	1,836		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										230	230		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										230	230		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										265	265		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										504	504		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										514	514		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
										93	1,907		
											5,676		

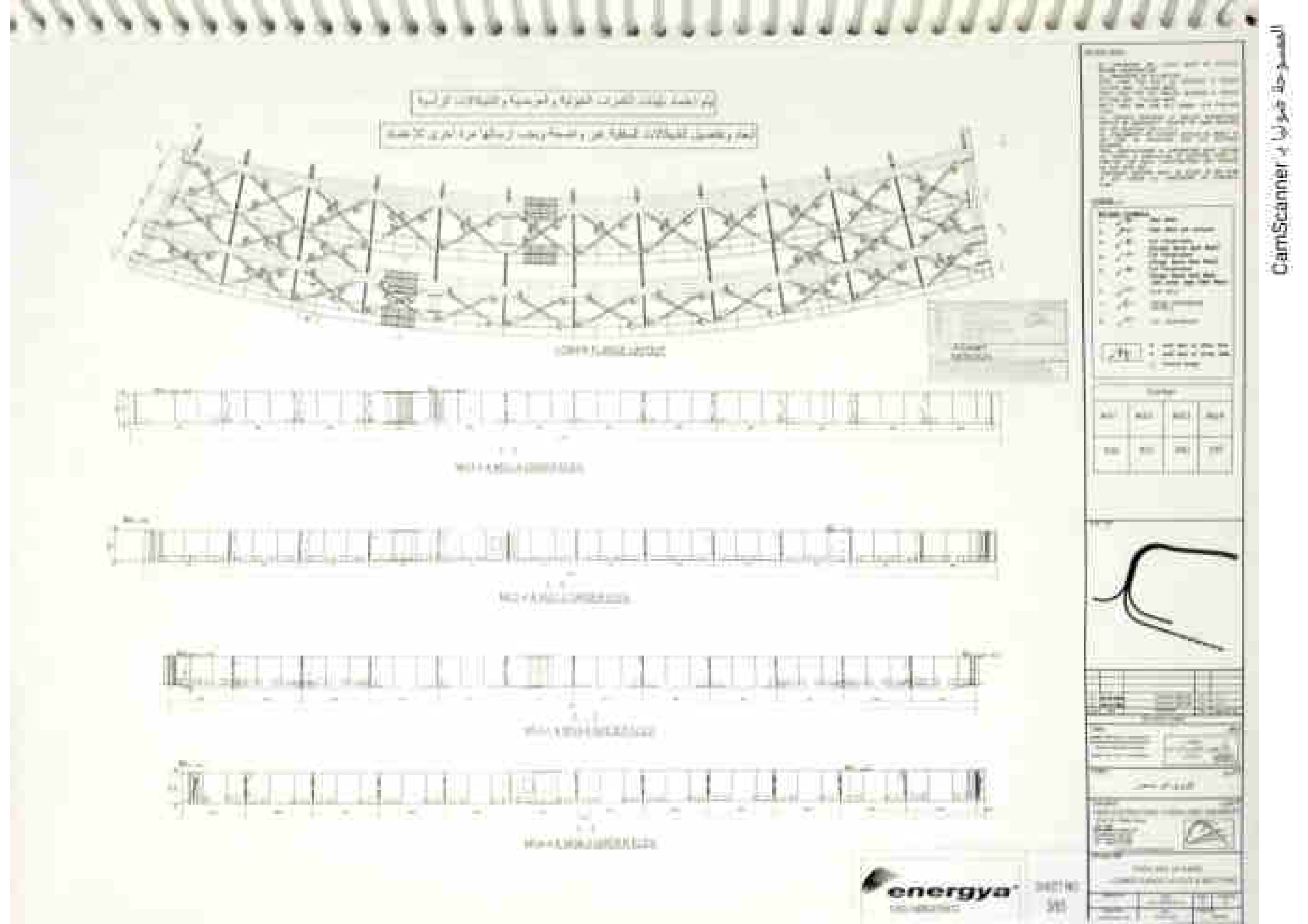
Total Weight = 5,676 Kg

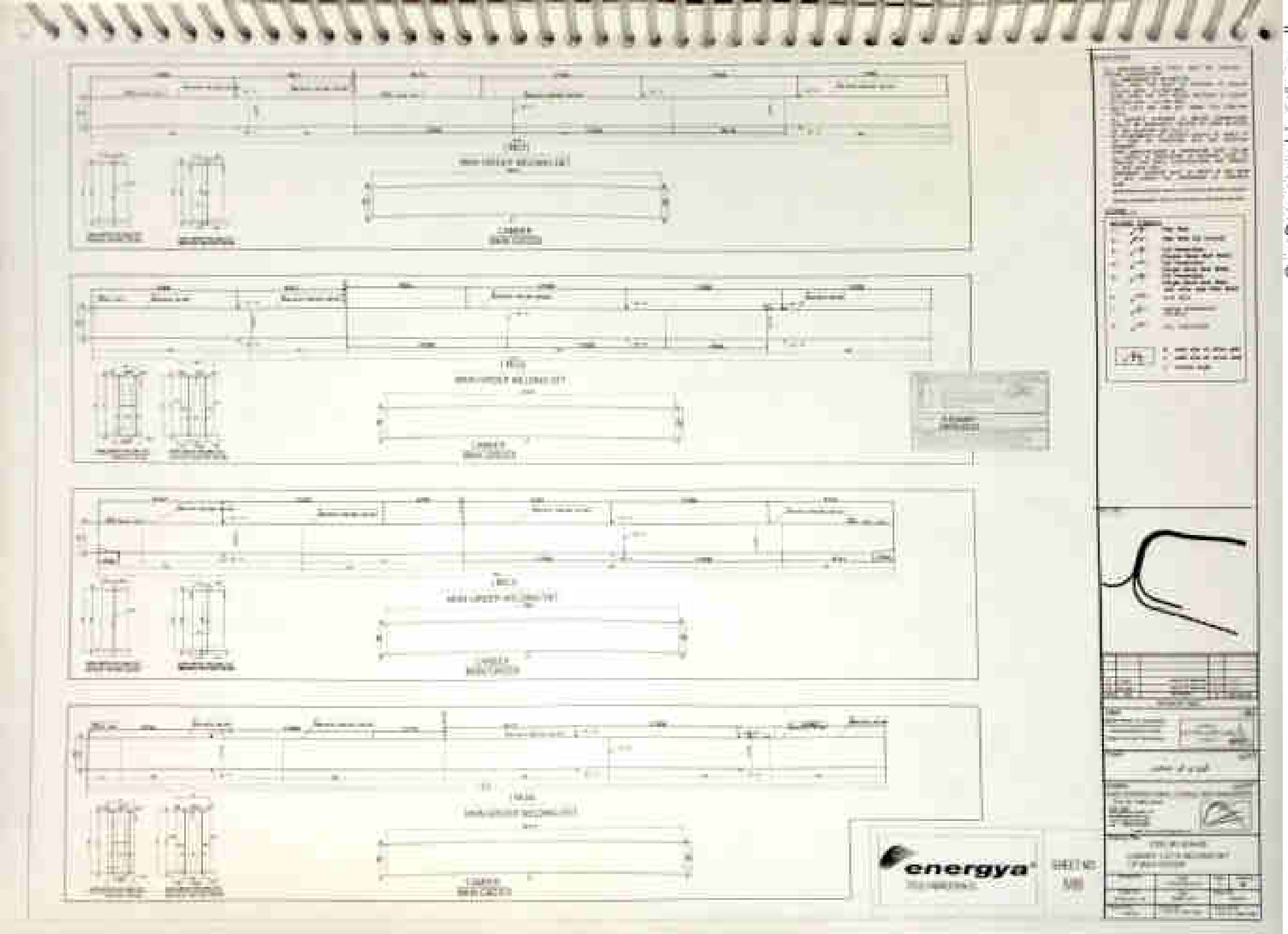


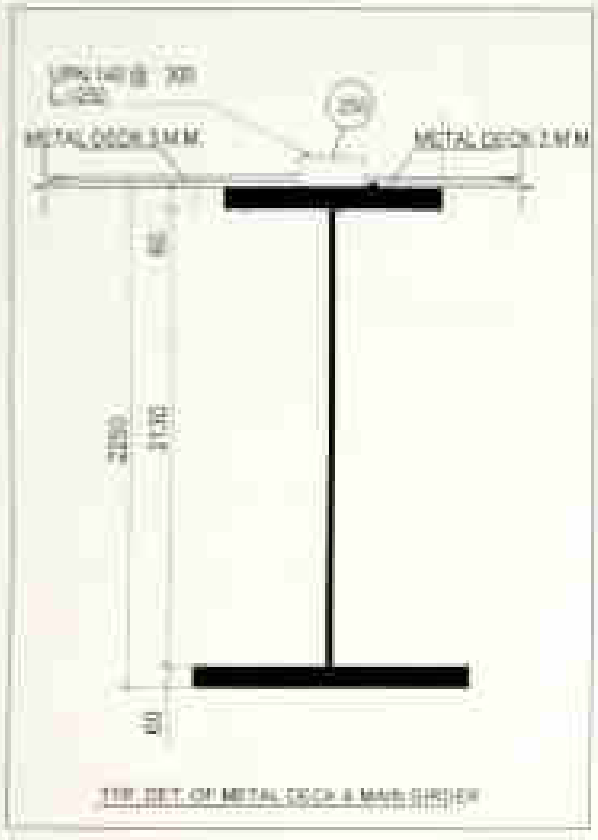


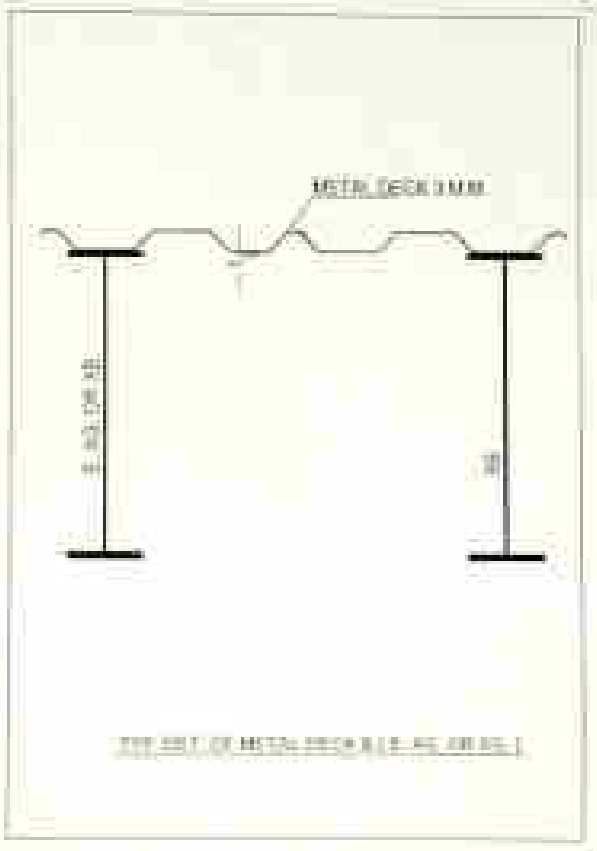






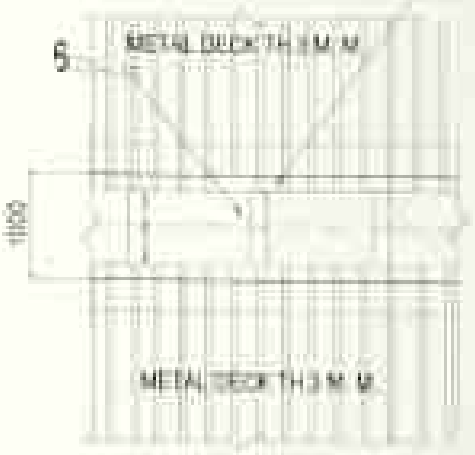




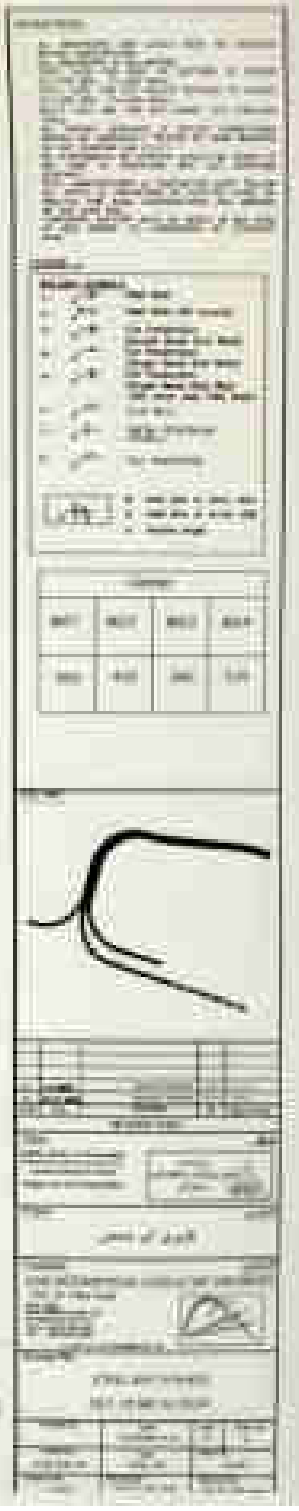


DEEP GALVANIZED METAL DECK 3MM
Typical Detail of Decking

ELEVATION
Shear Connector Detail

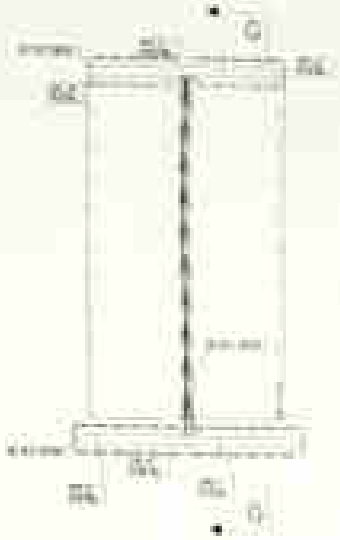


PLAN VIEW



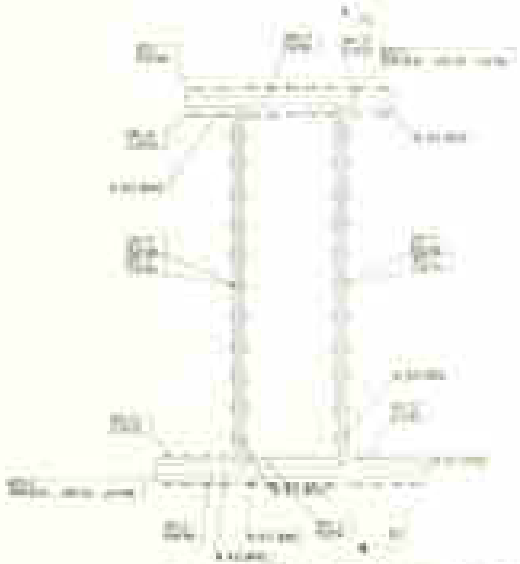
energya

SHEET NO.



SPLICE DETAIL FOR (MG1 & MG3)

G - G



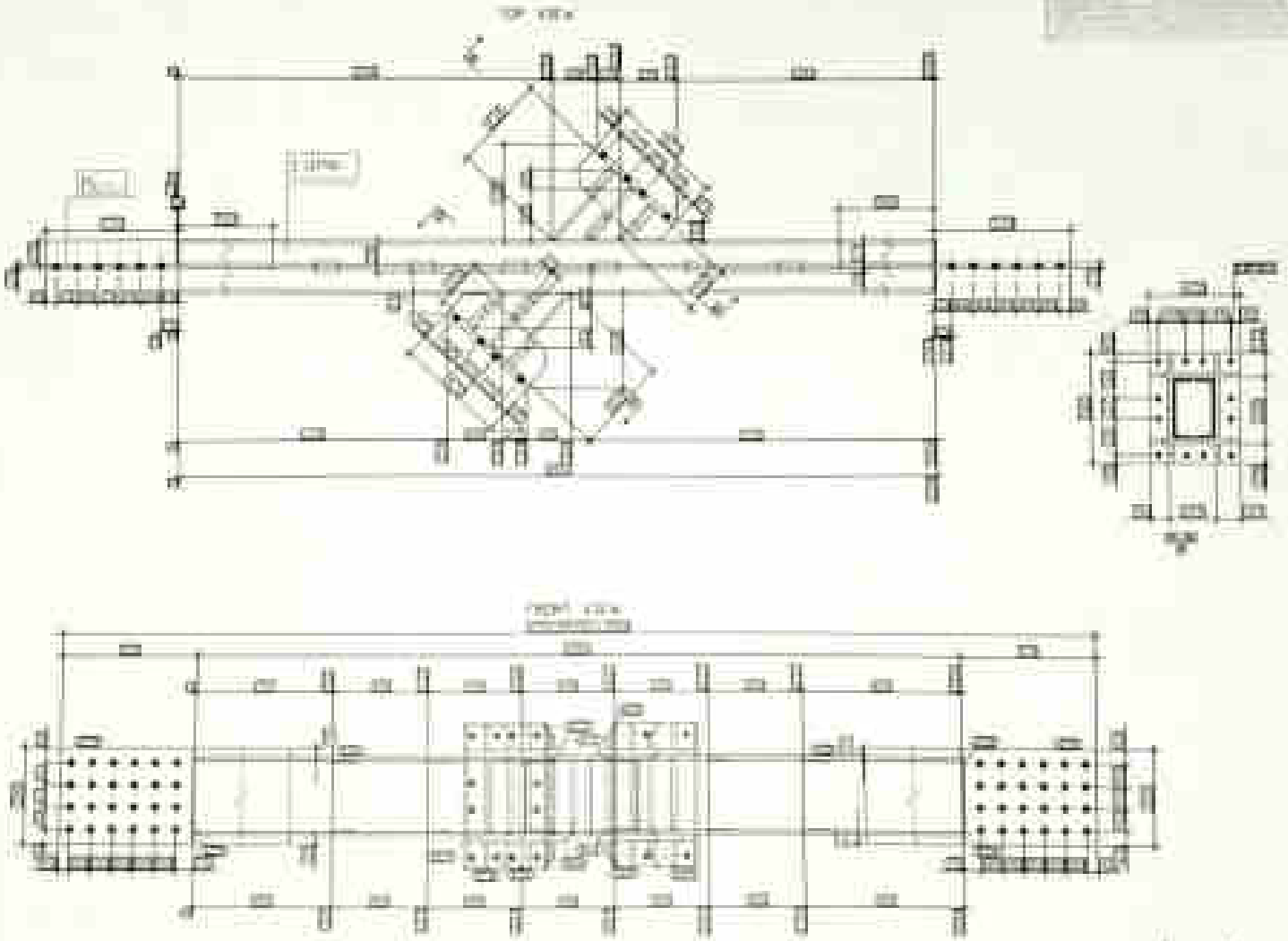
SPLICE DETAIL FOR (MG1, MG2 & MG4)

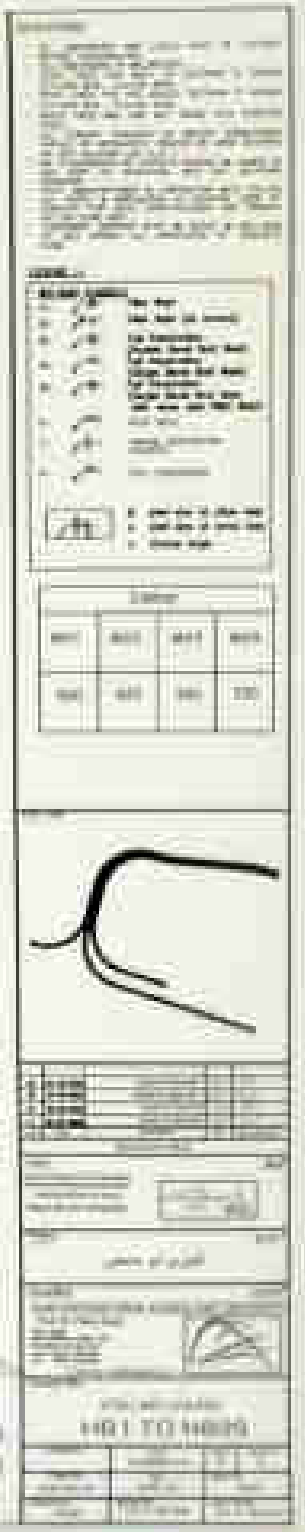
energya

IDENTIFY **EVERY** ELEMENT ON DRAWINGS OR PROVIDE **ALL** SINGLE PARTS TABLE

PROVIDE EVERY MISSING DIMENSION

CHECK **ALL** THICKNESSES > MIN. AS PER DESIGN





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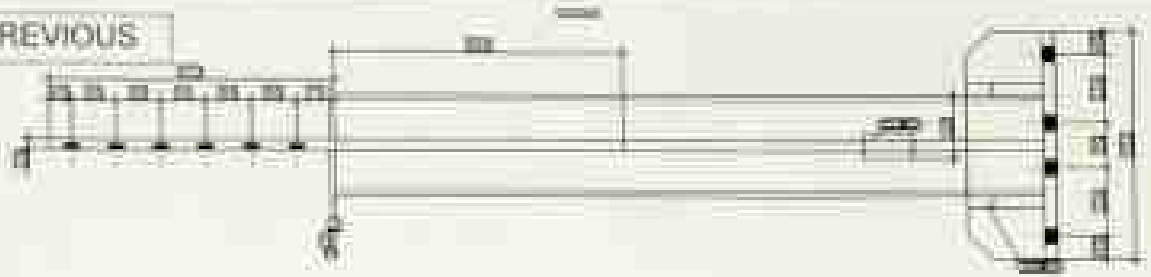

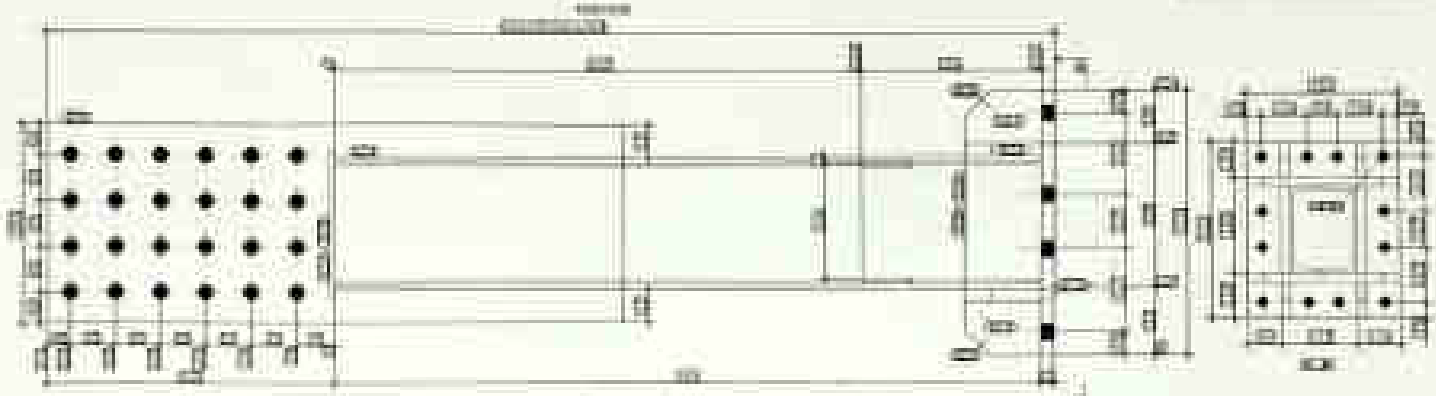

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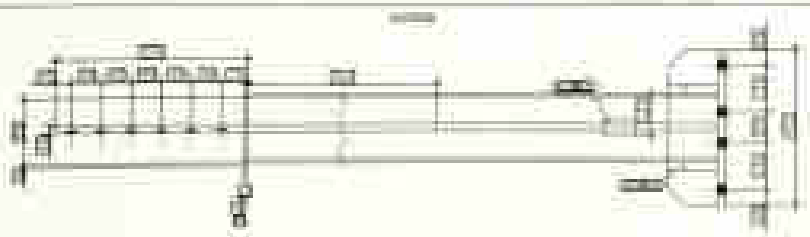
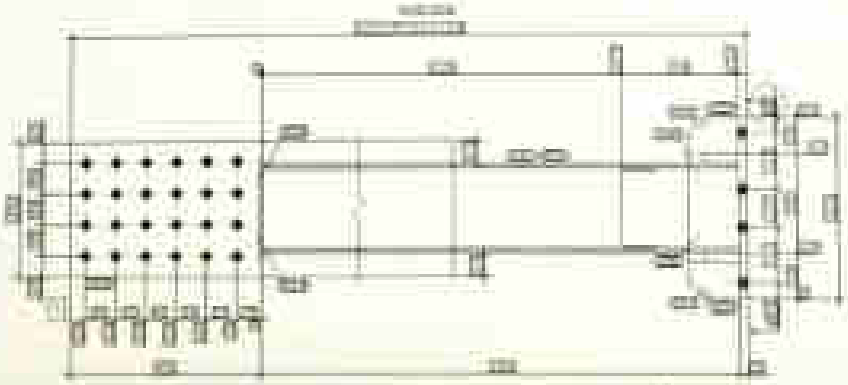
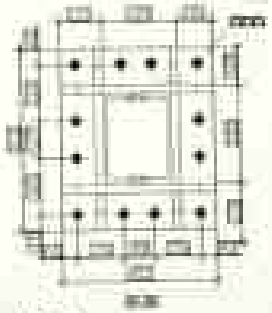


PROVIDE MISSING DATA

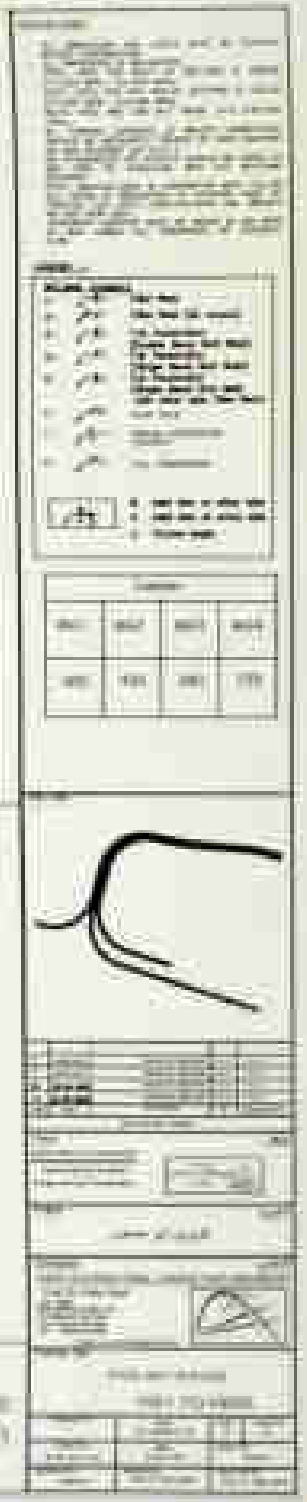




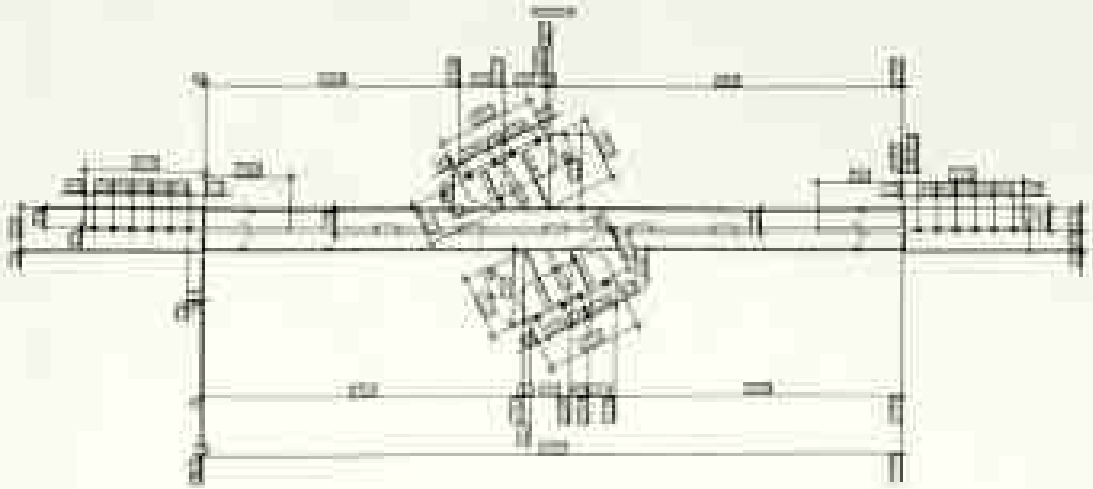
1 X HB2

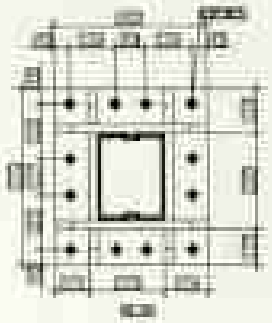
energya

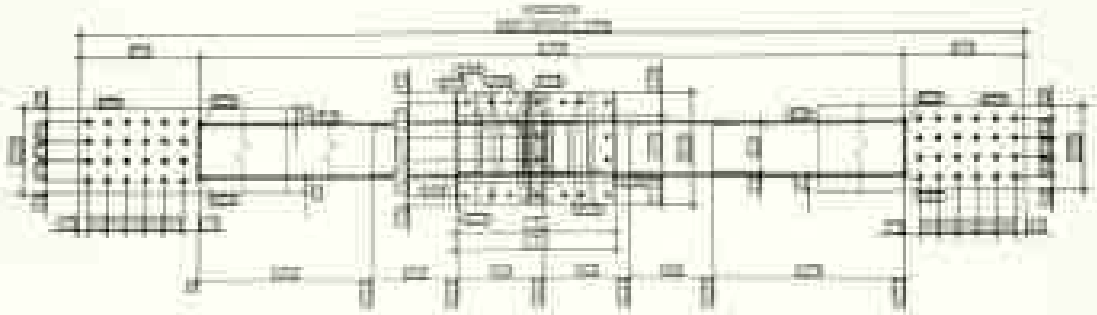
SHEET NO. 2(1/1)

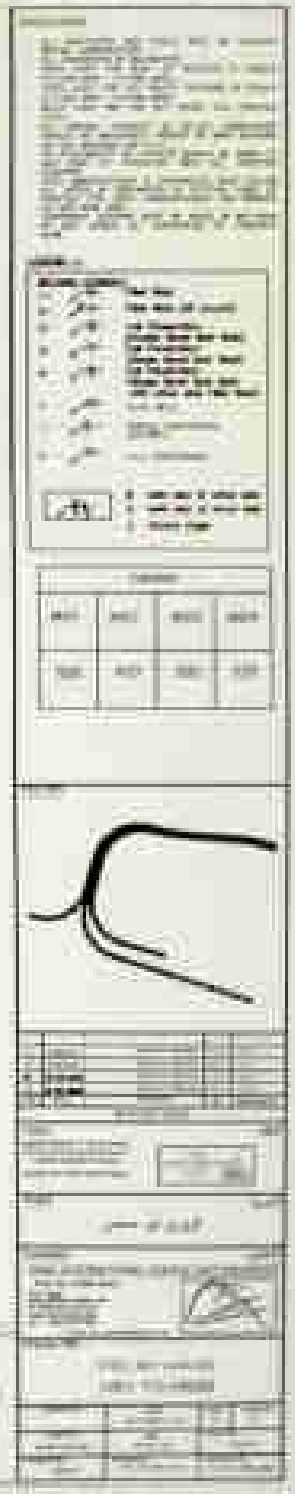


IDENTIFY **EVERY** ELEMENT ON DRAWINGS









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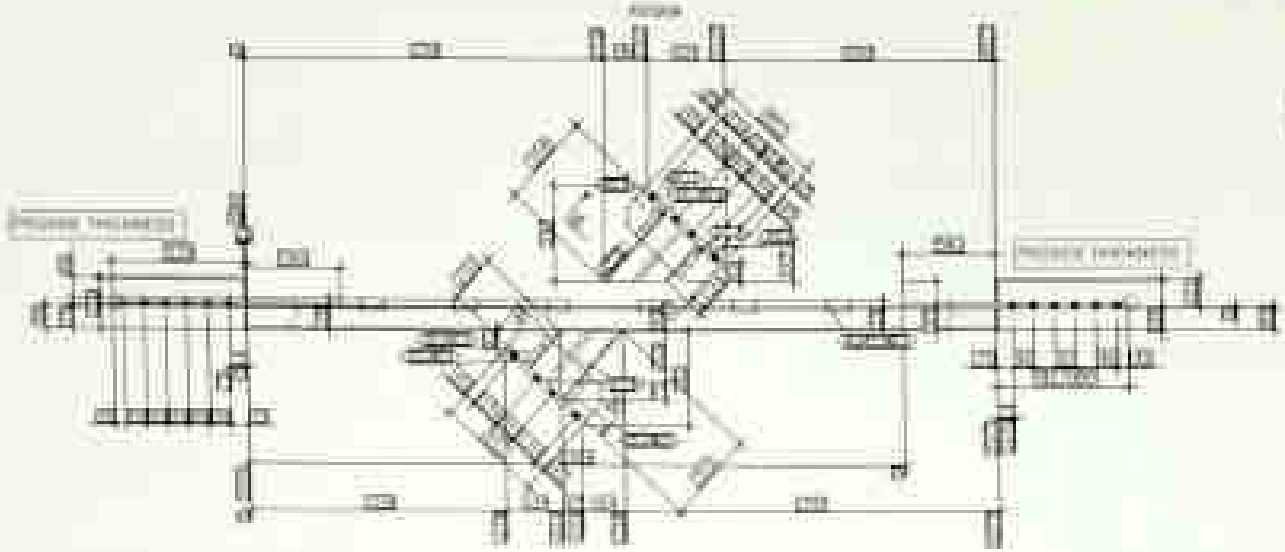

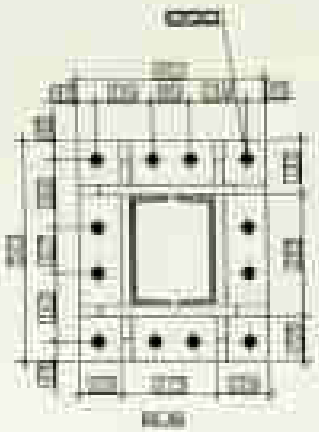

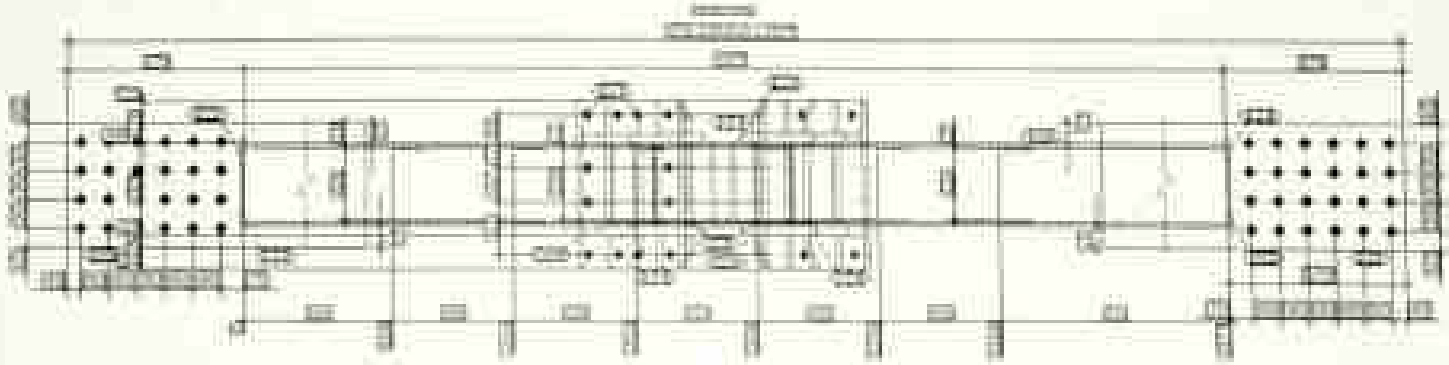

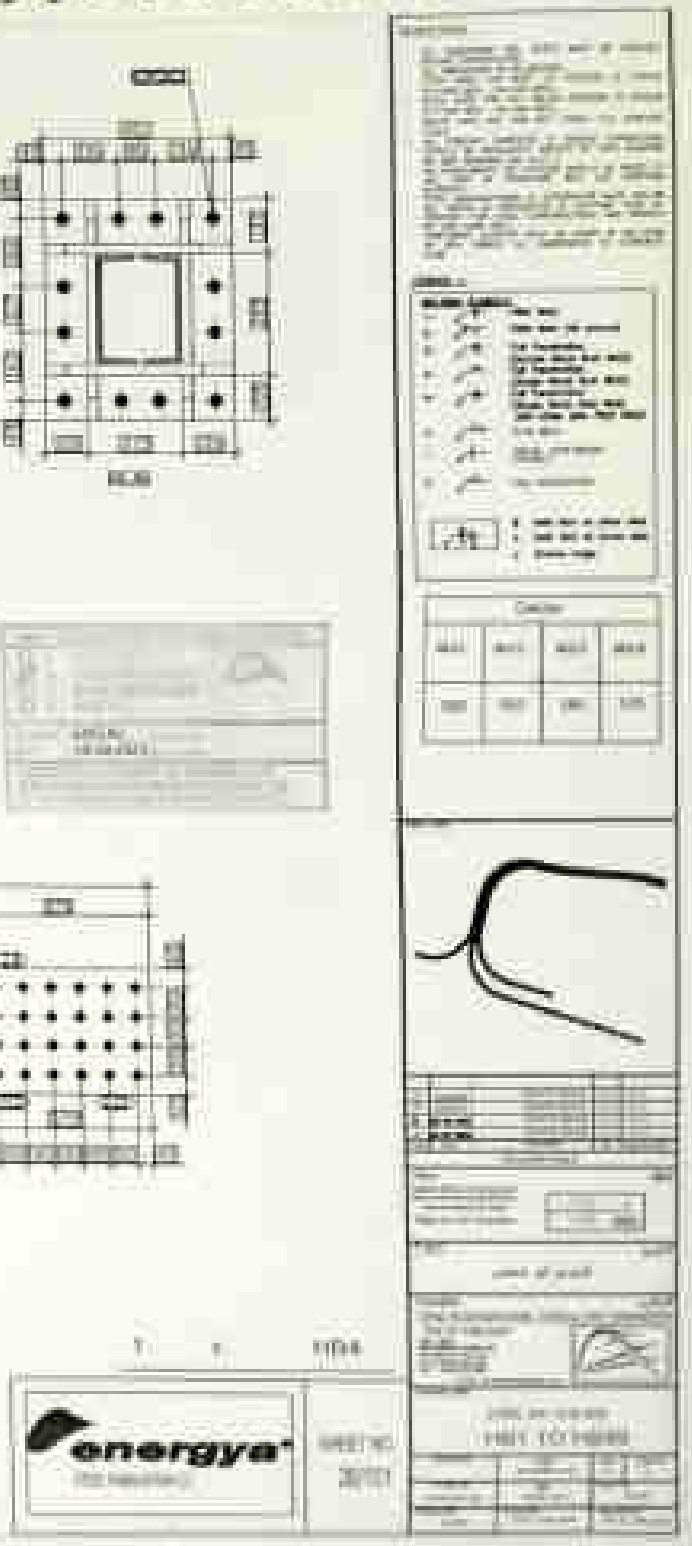

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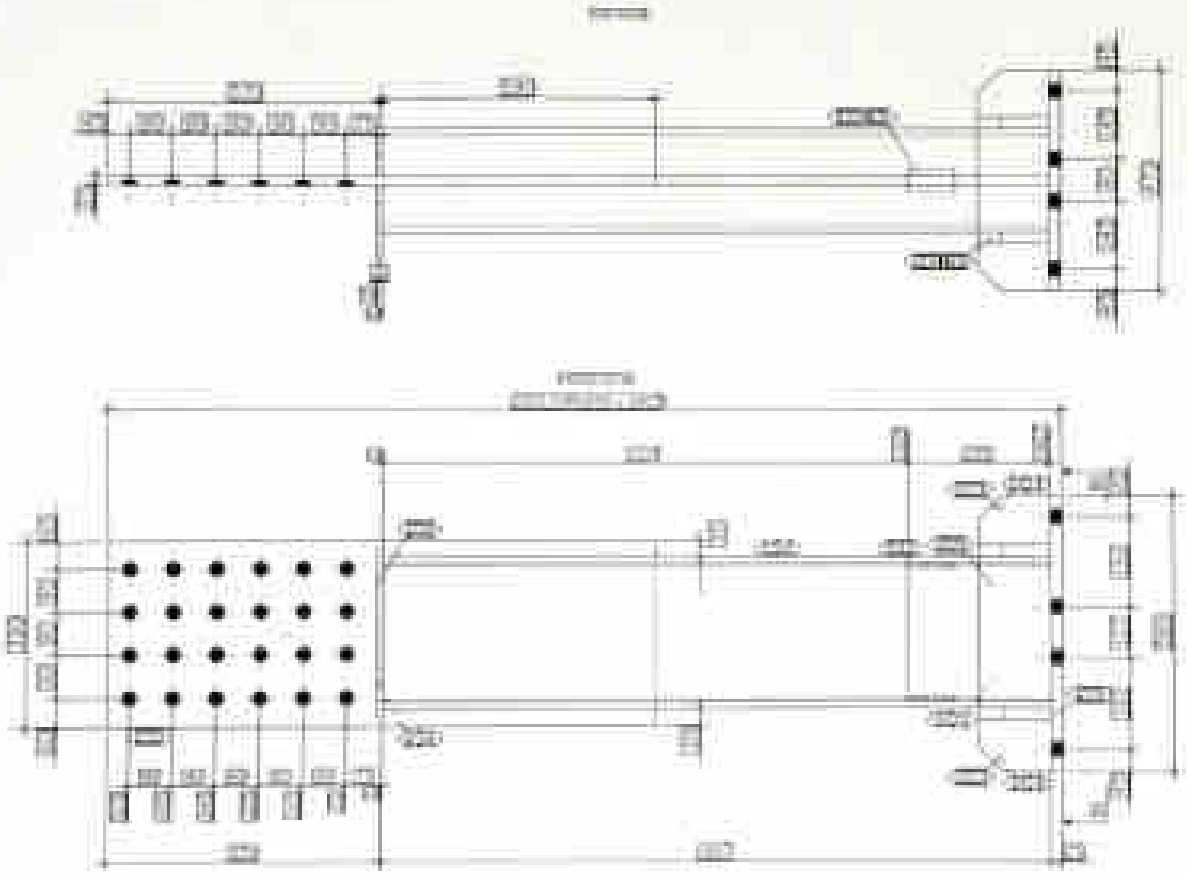

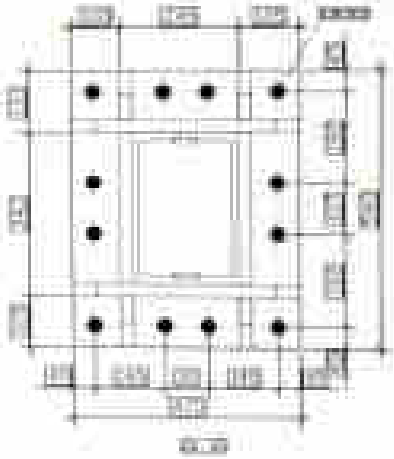

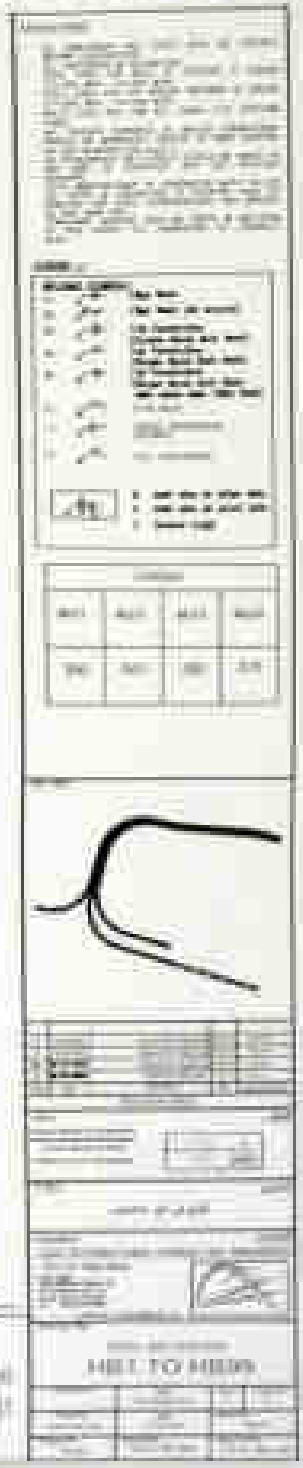

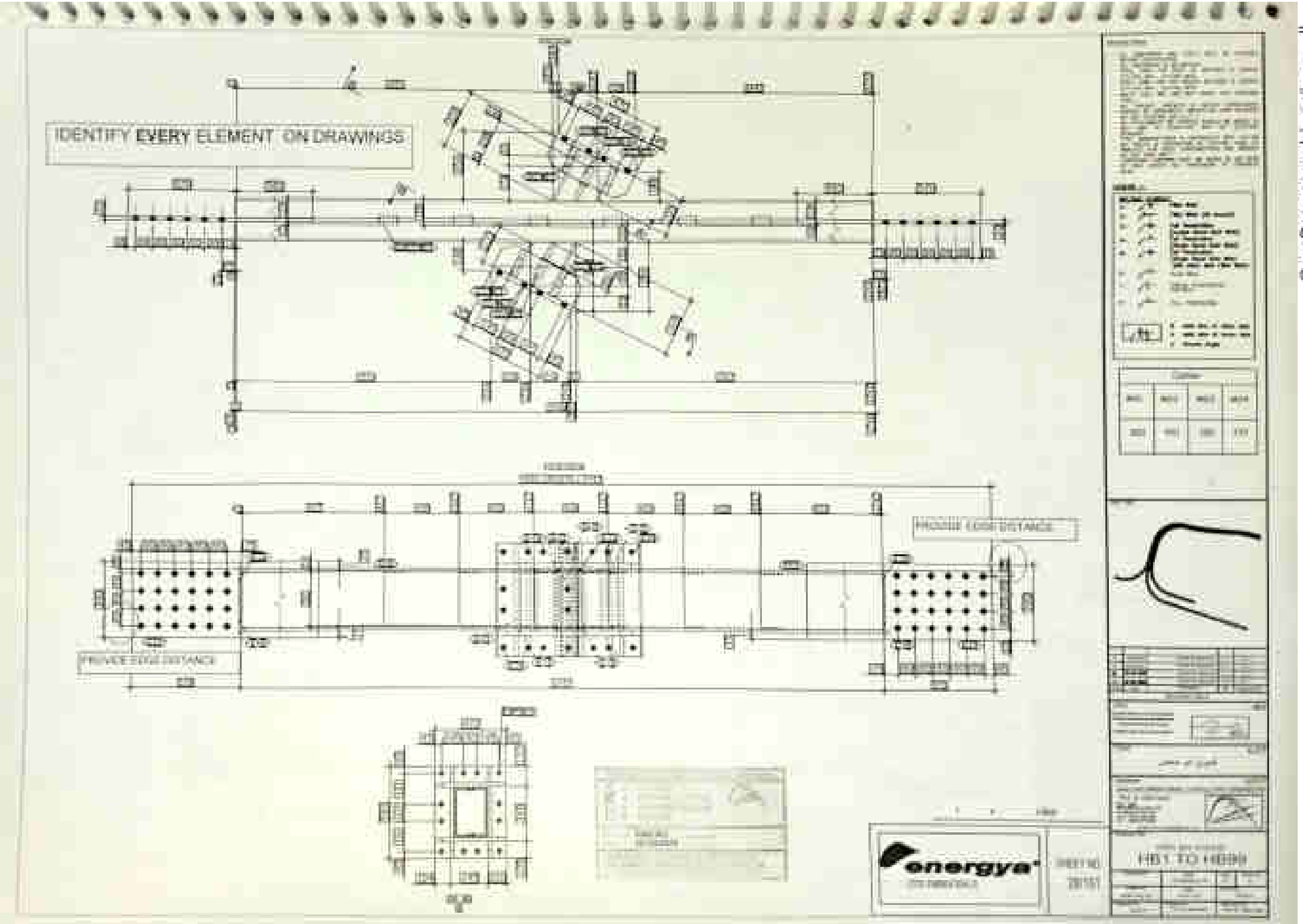

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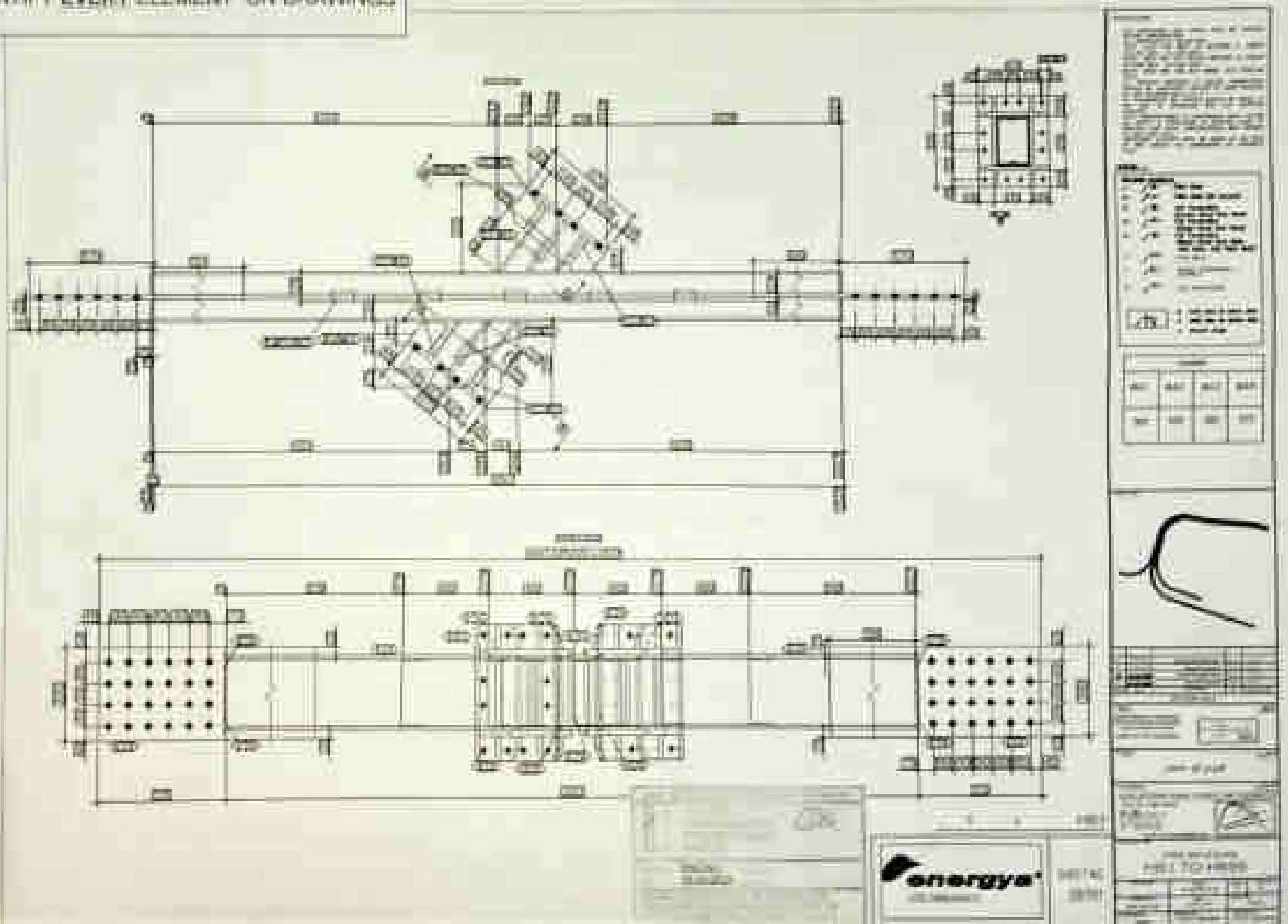

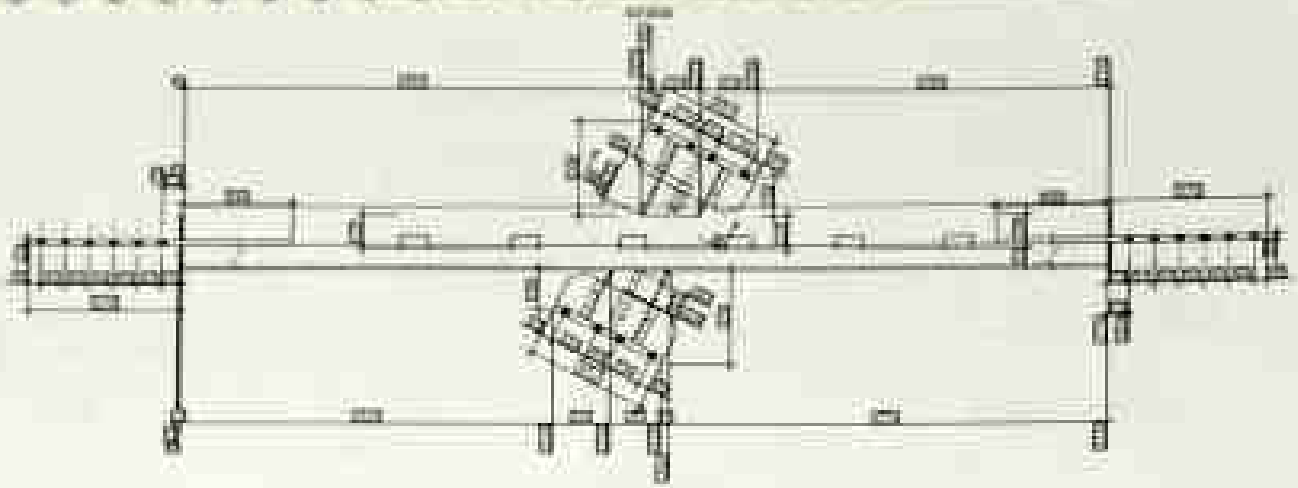

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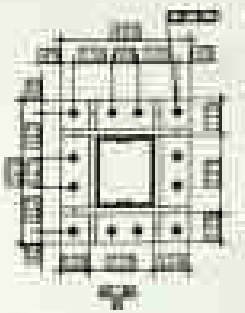

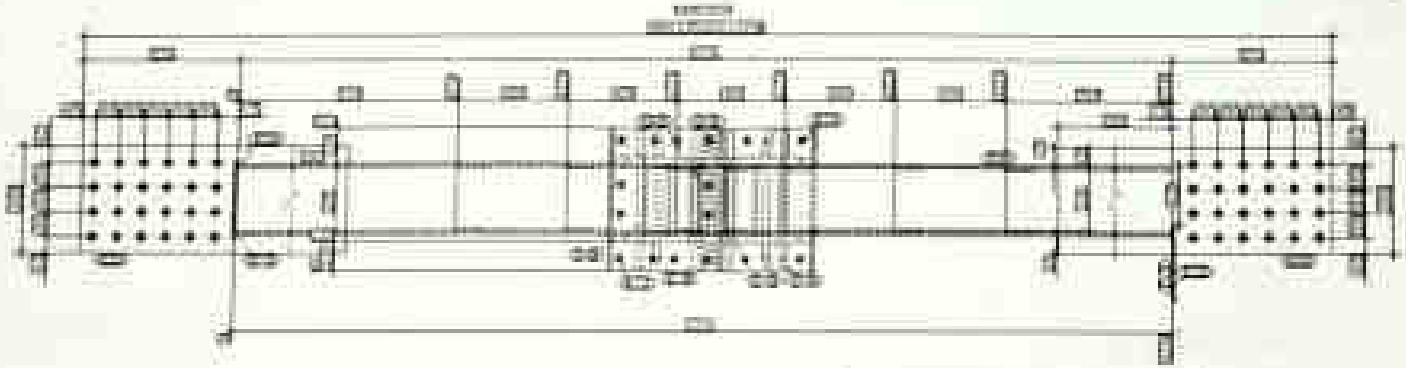

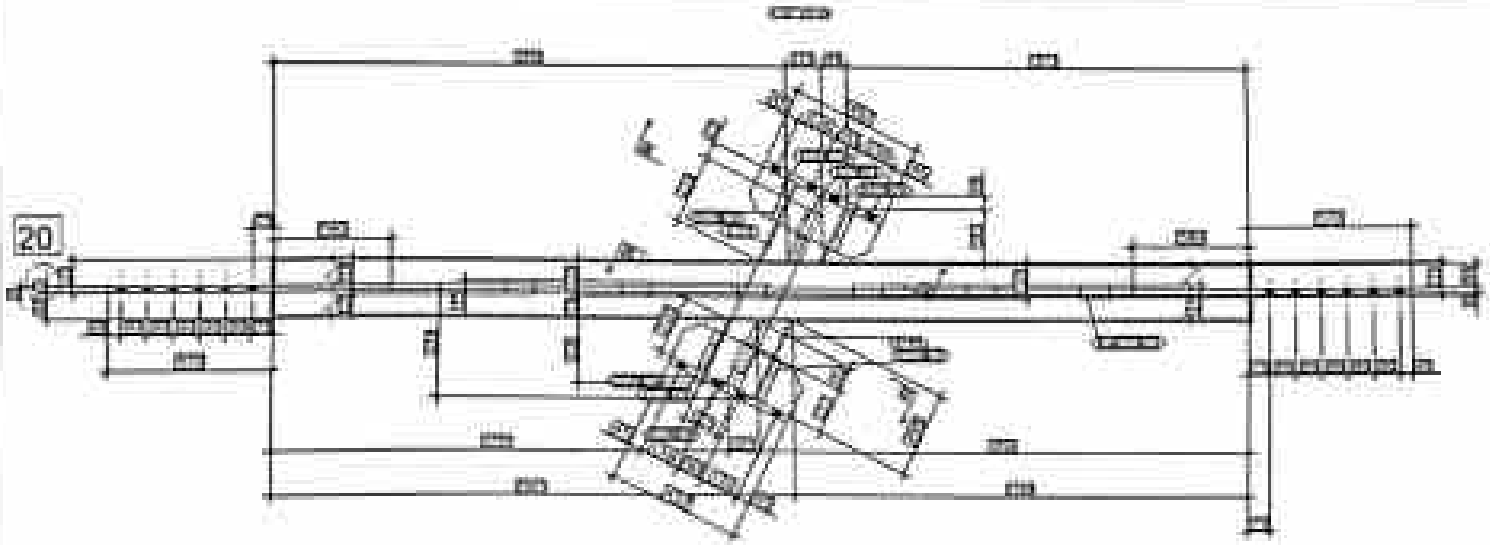

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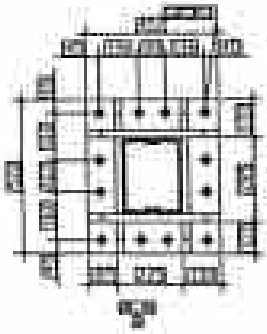
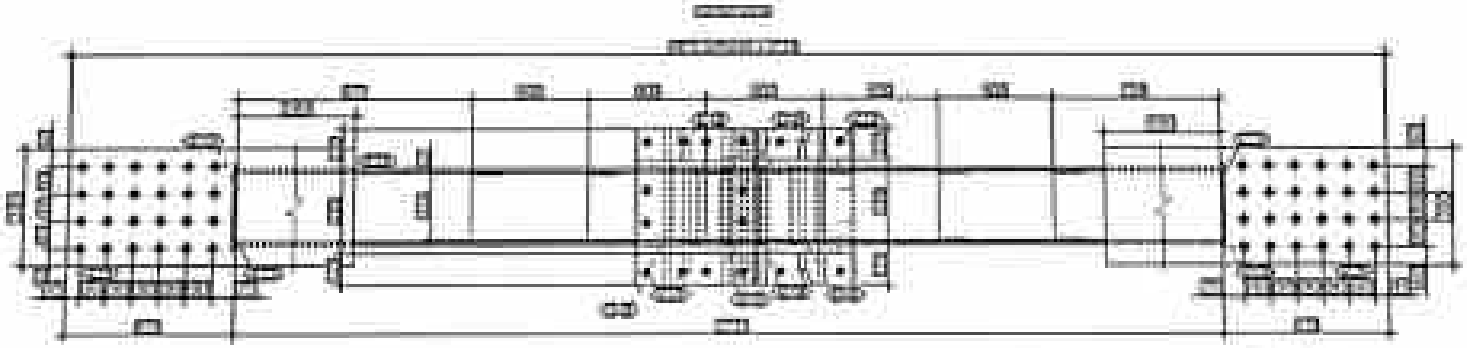


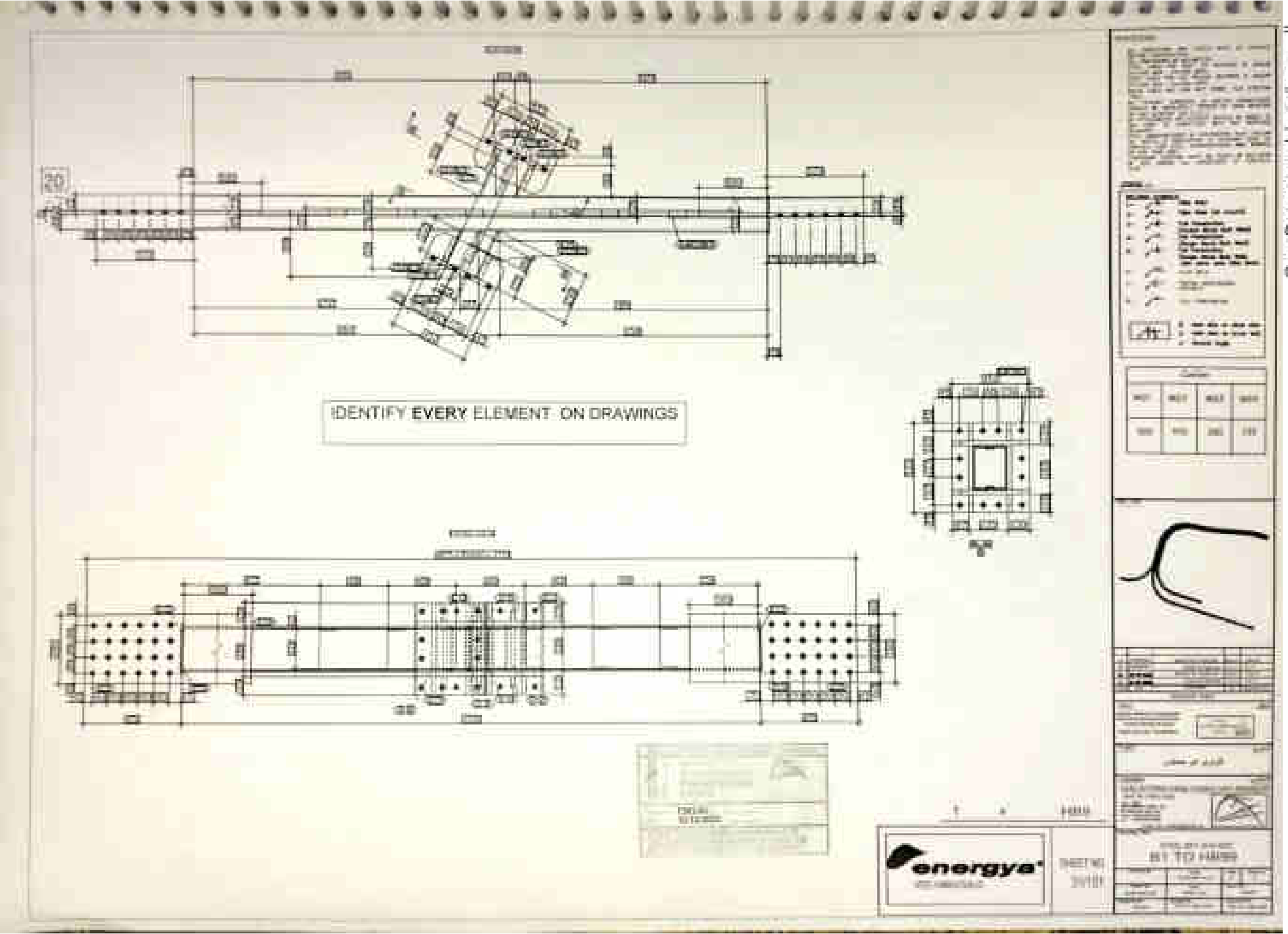


1 x H99

energya

SHEET NO
3V151

B1 TO HB99



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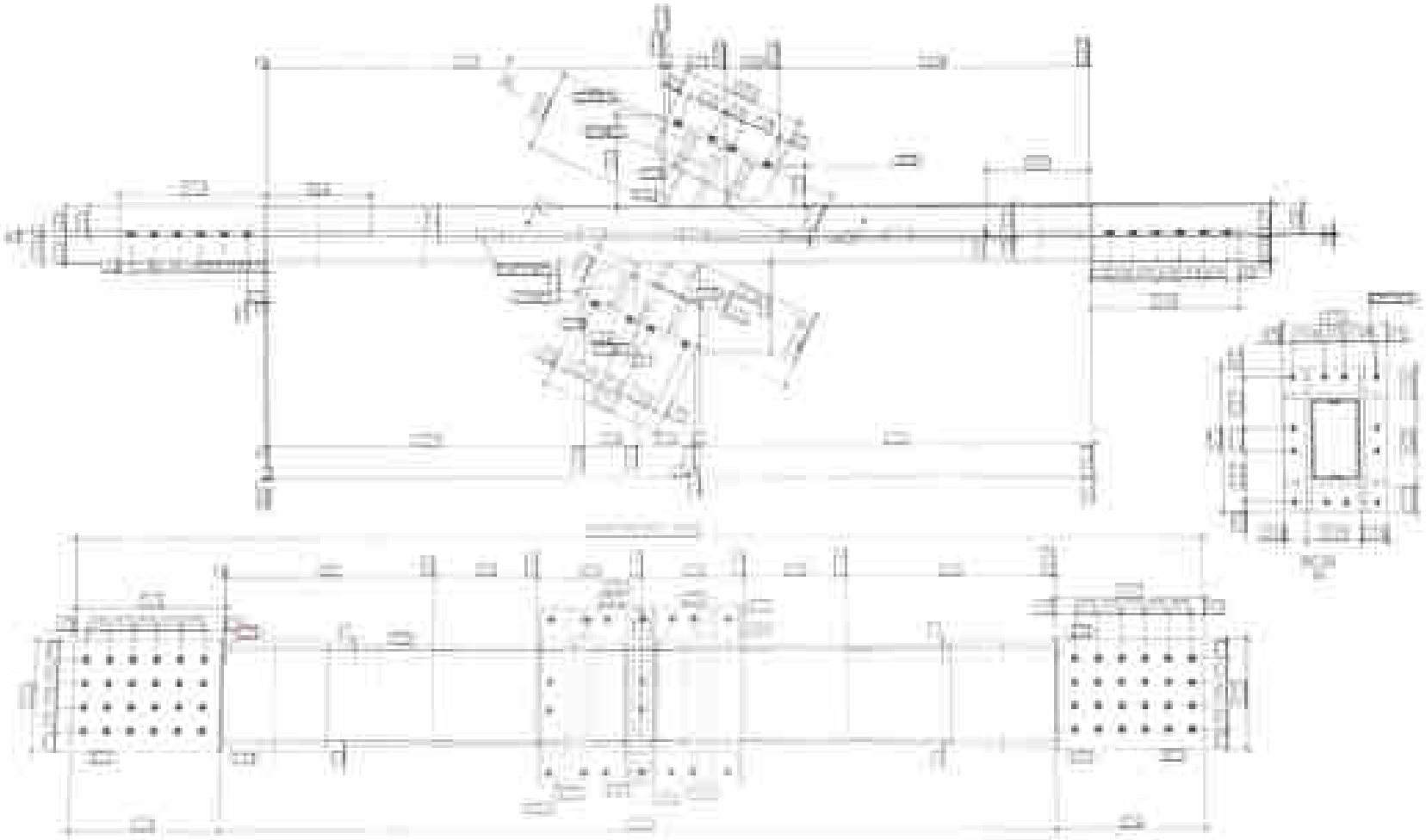

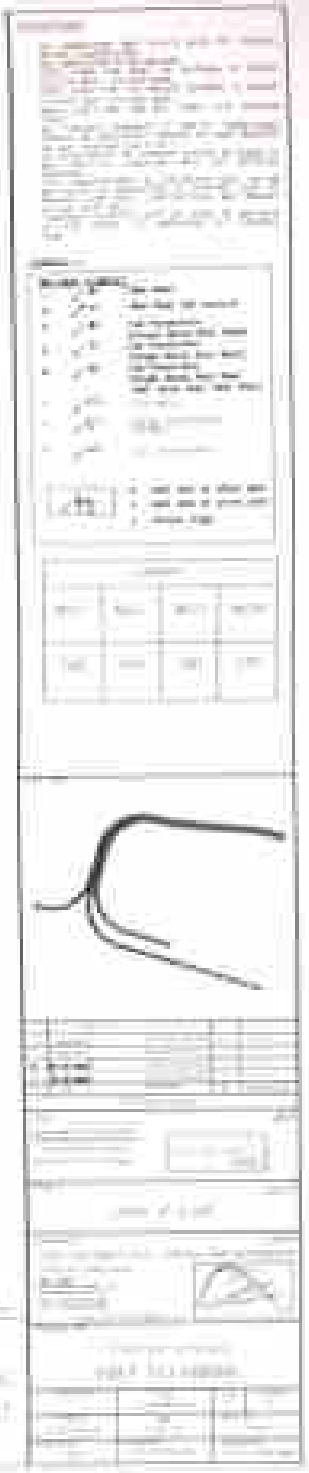

energya

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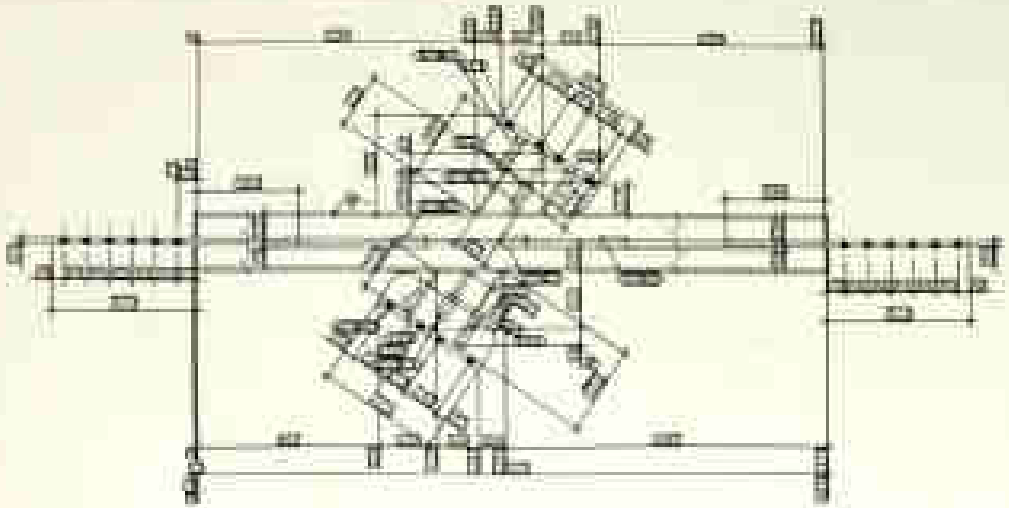

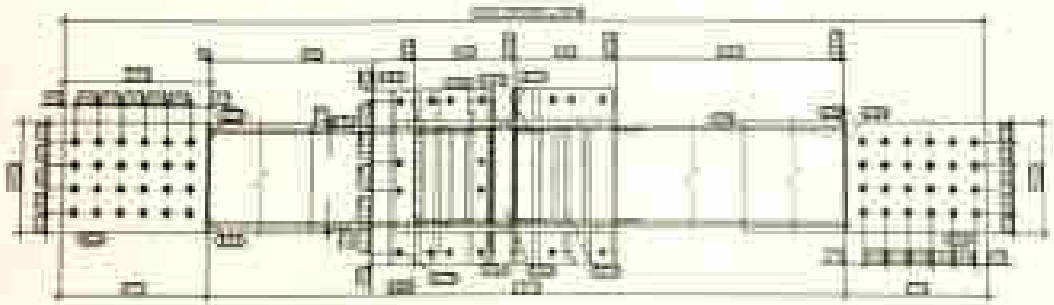

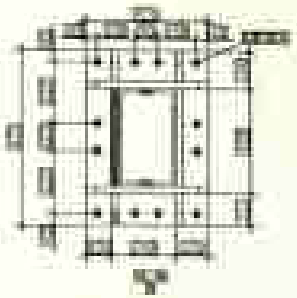

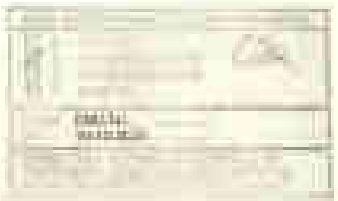

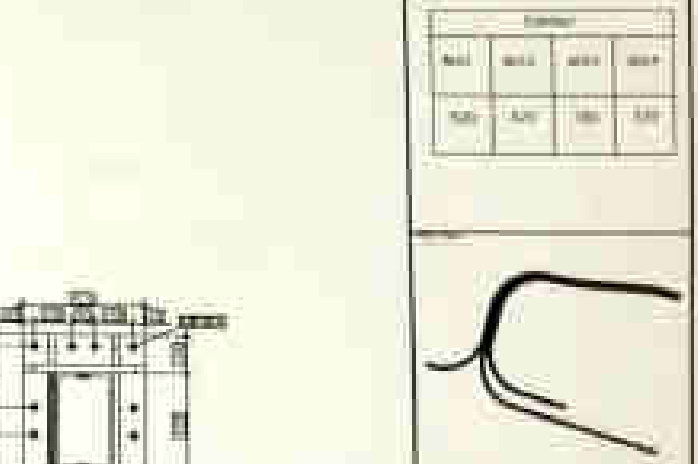

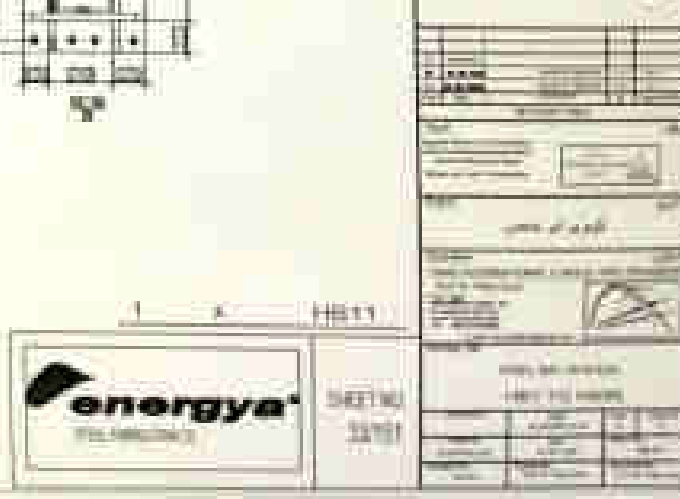

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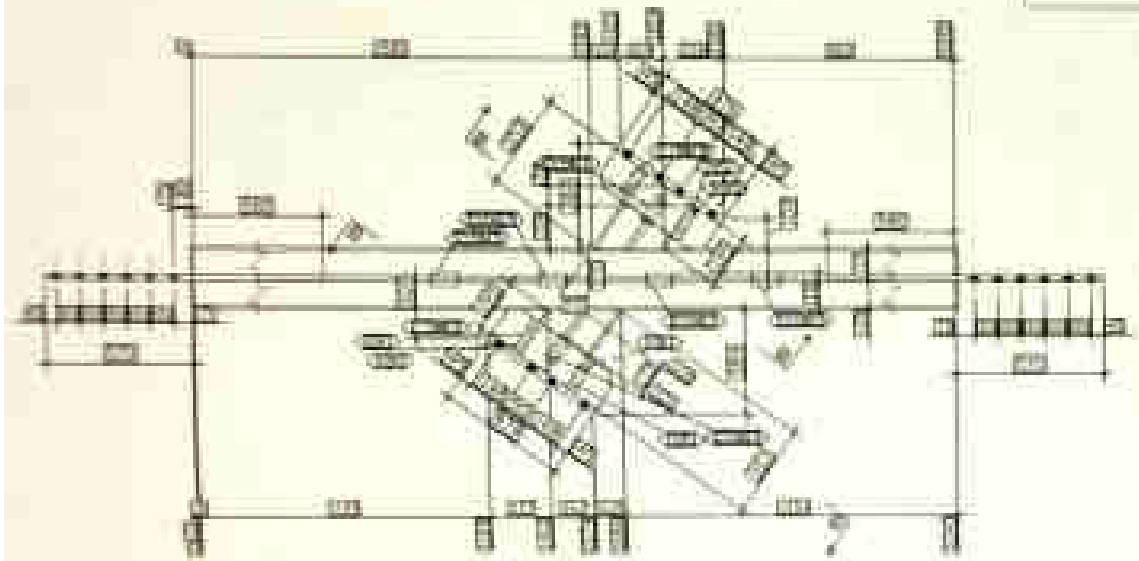
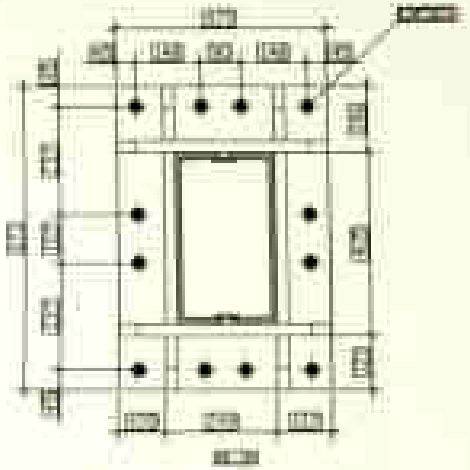
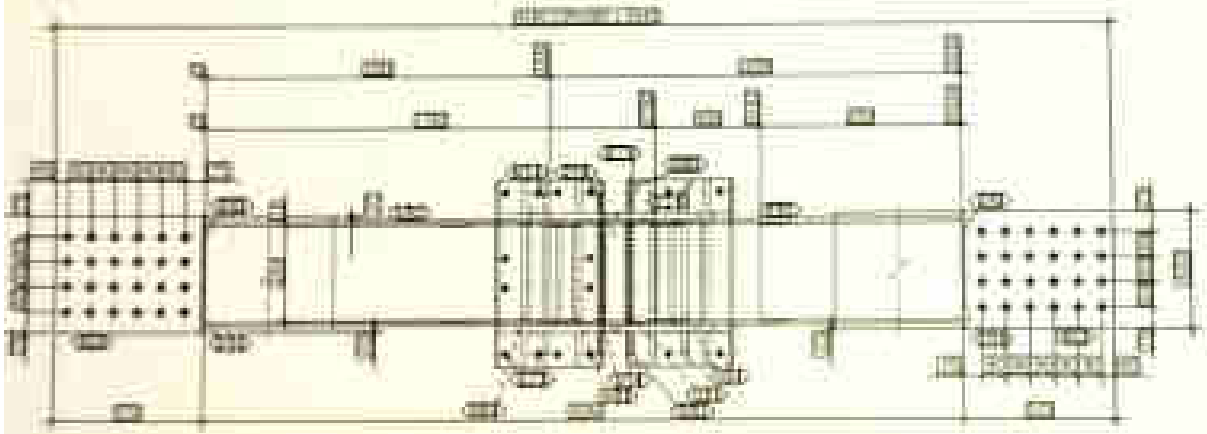
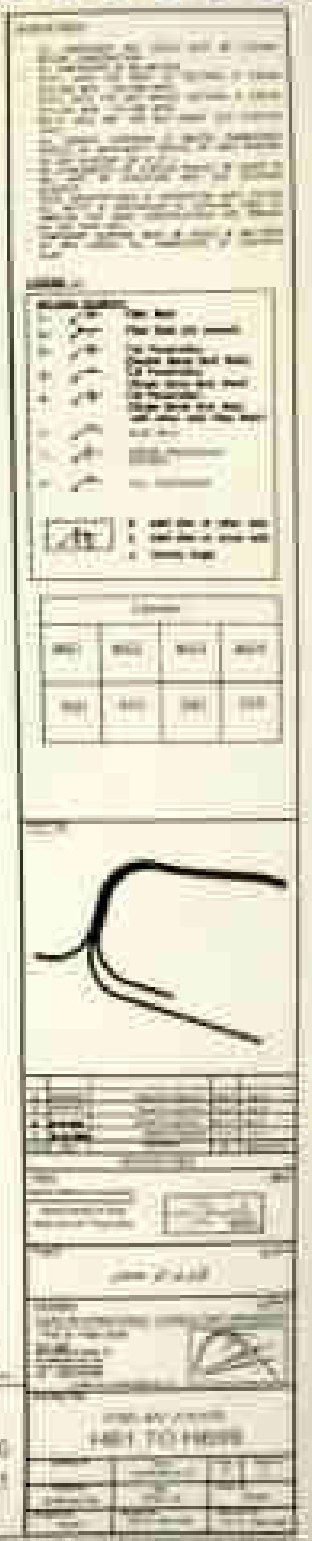
HB11

IDENTIFY **EVERY** ELEMENT ON DRAWINGS









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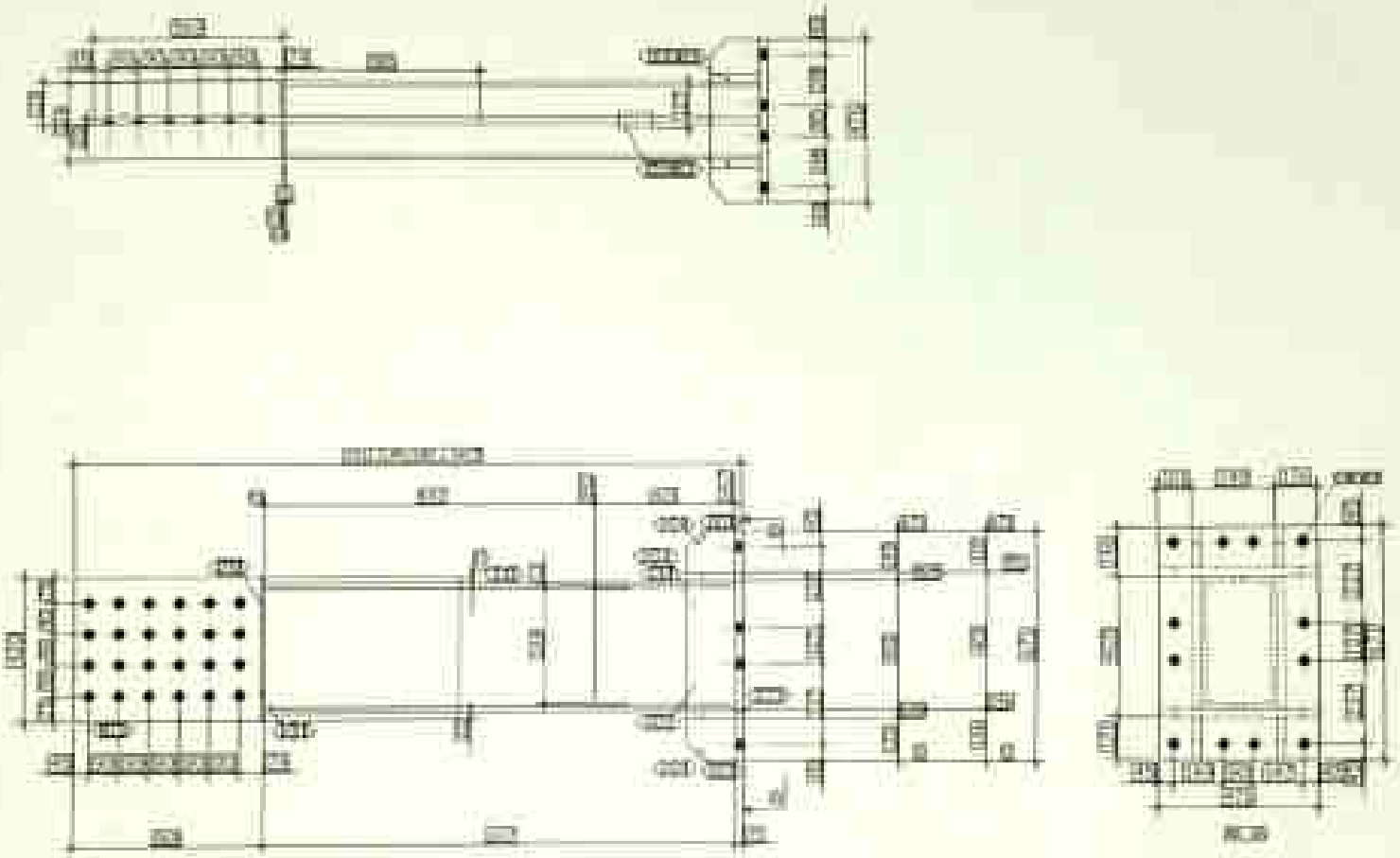

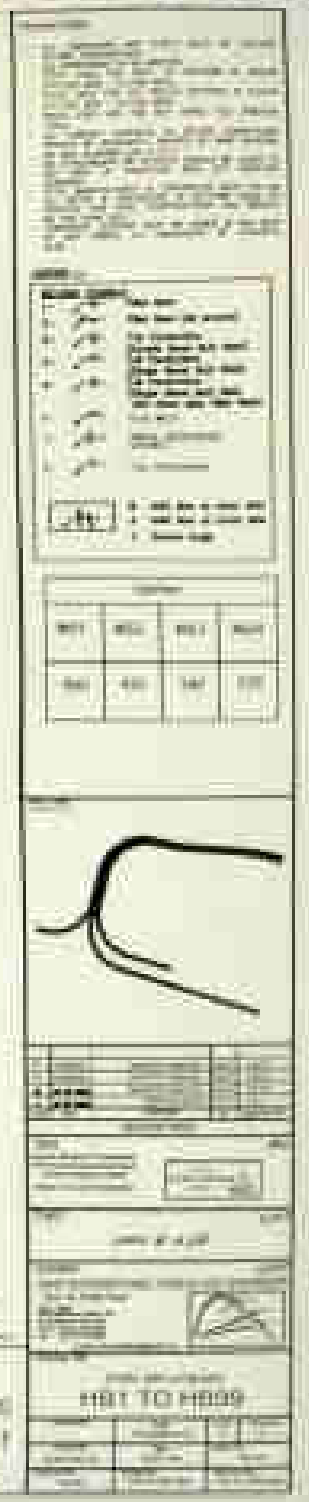

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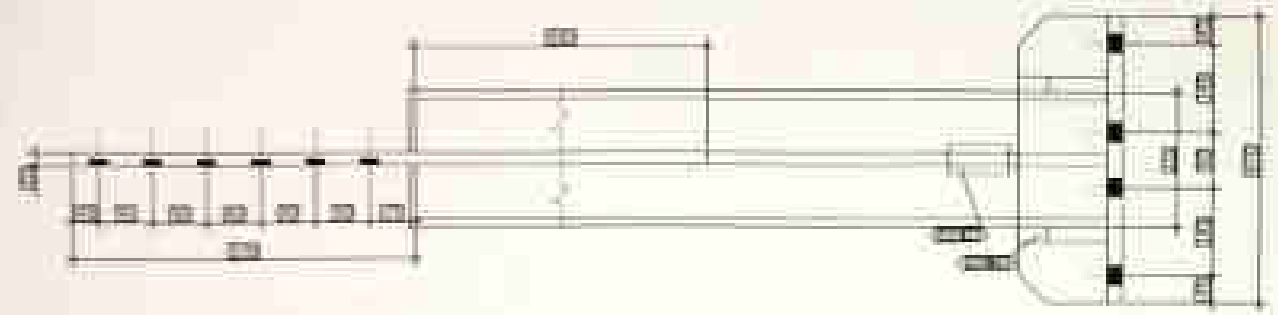

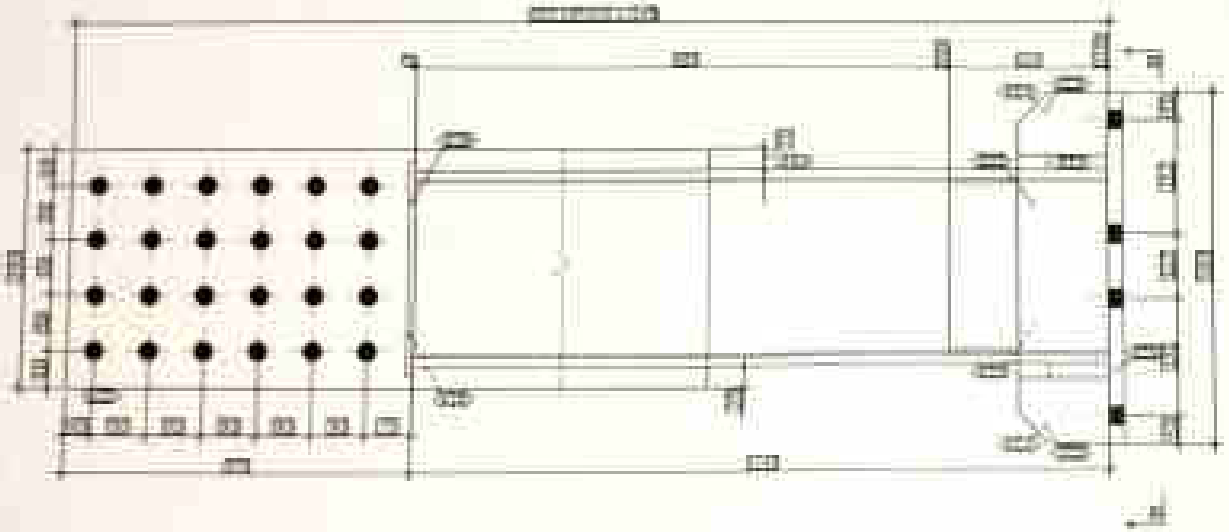

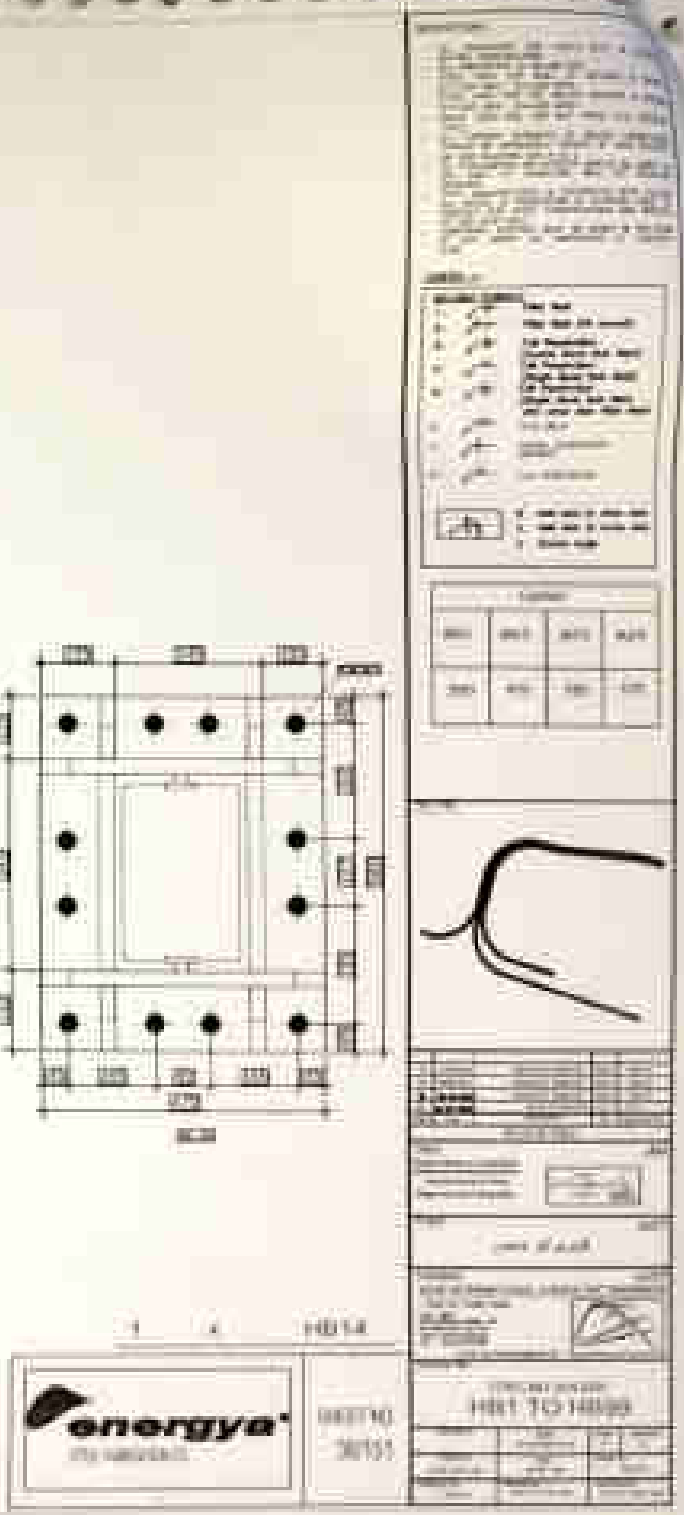

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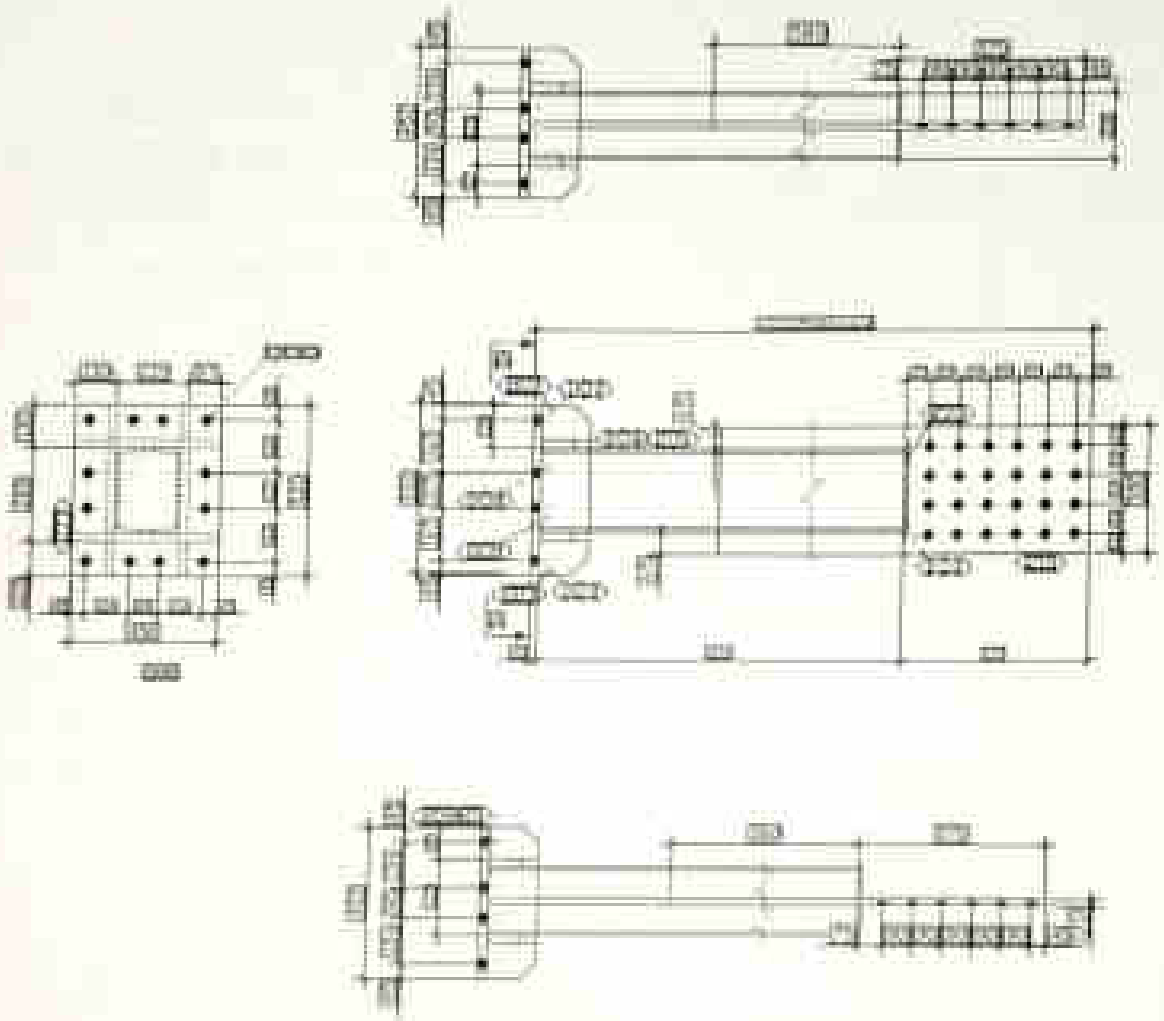

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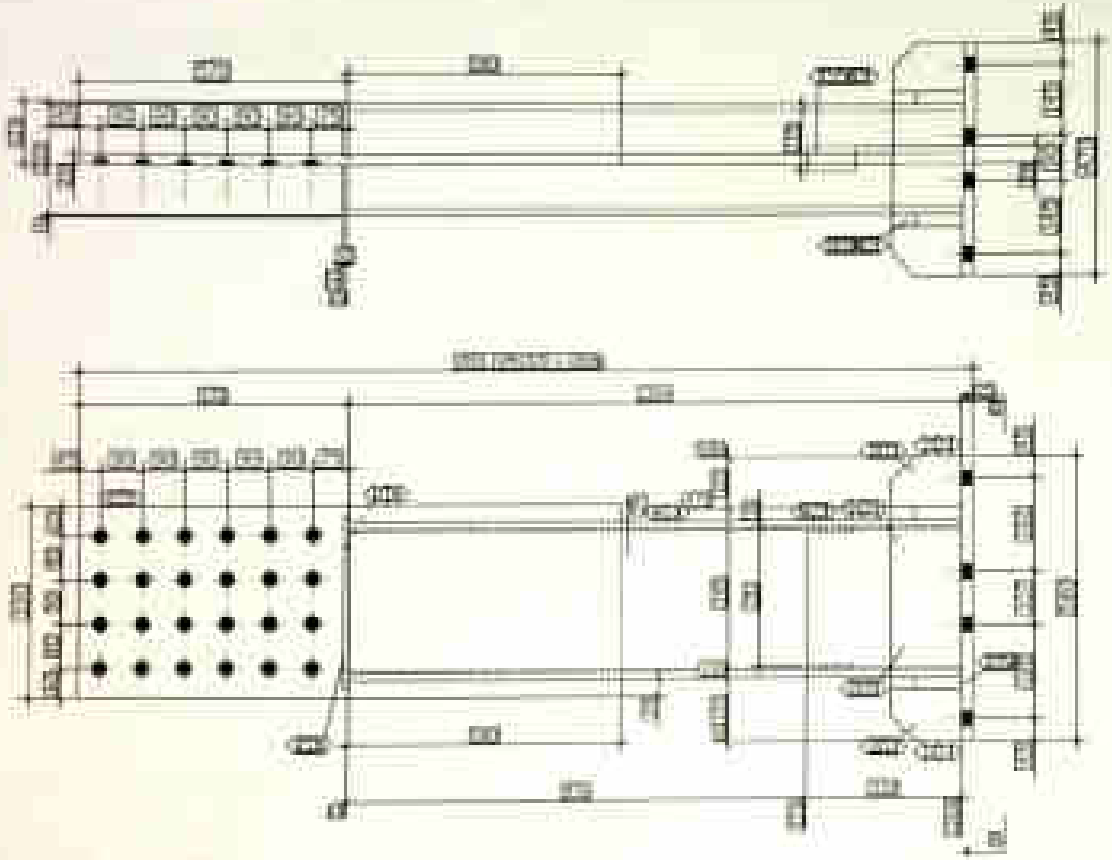
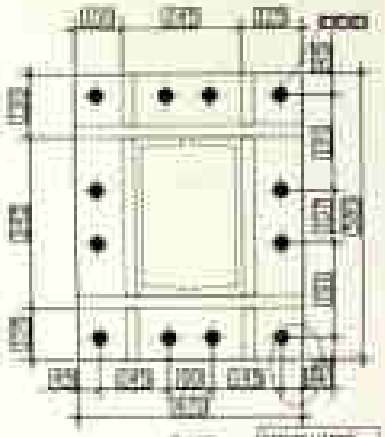
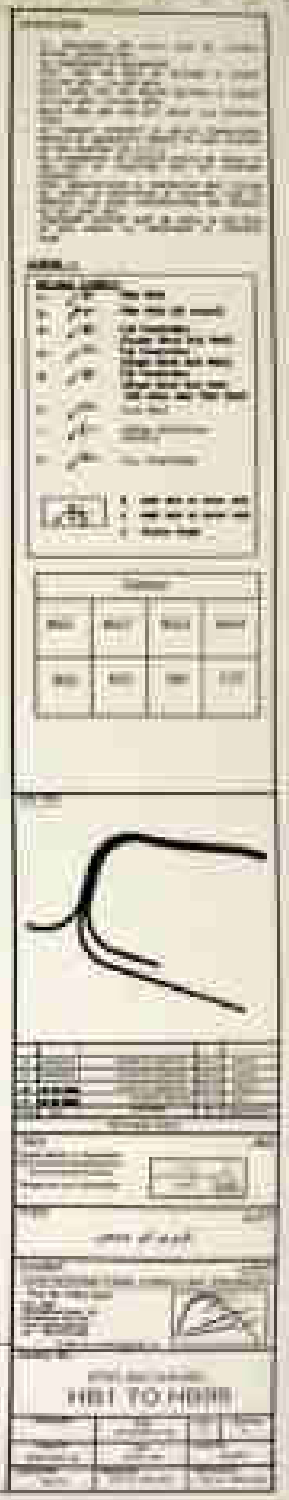




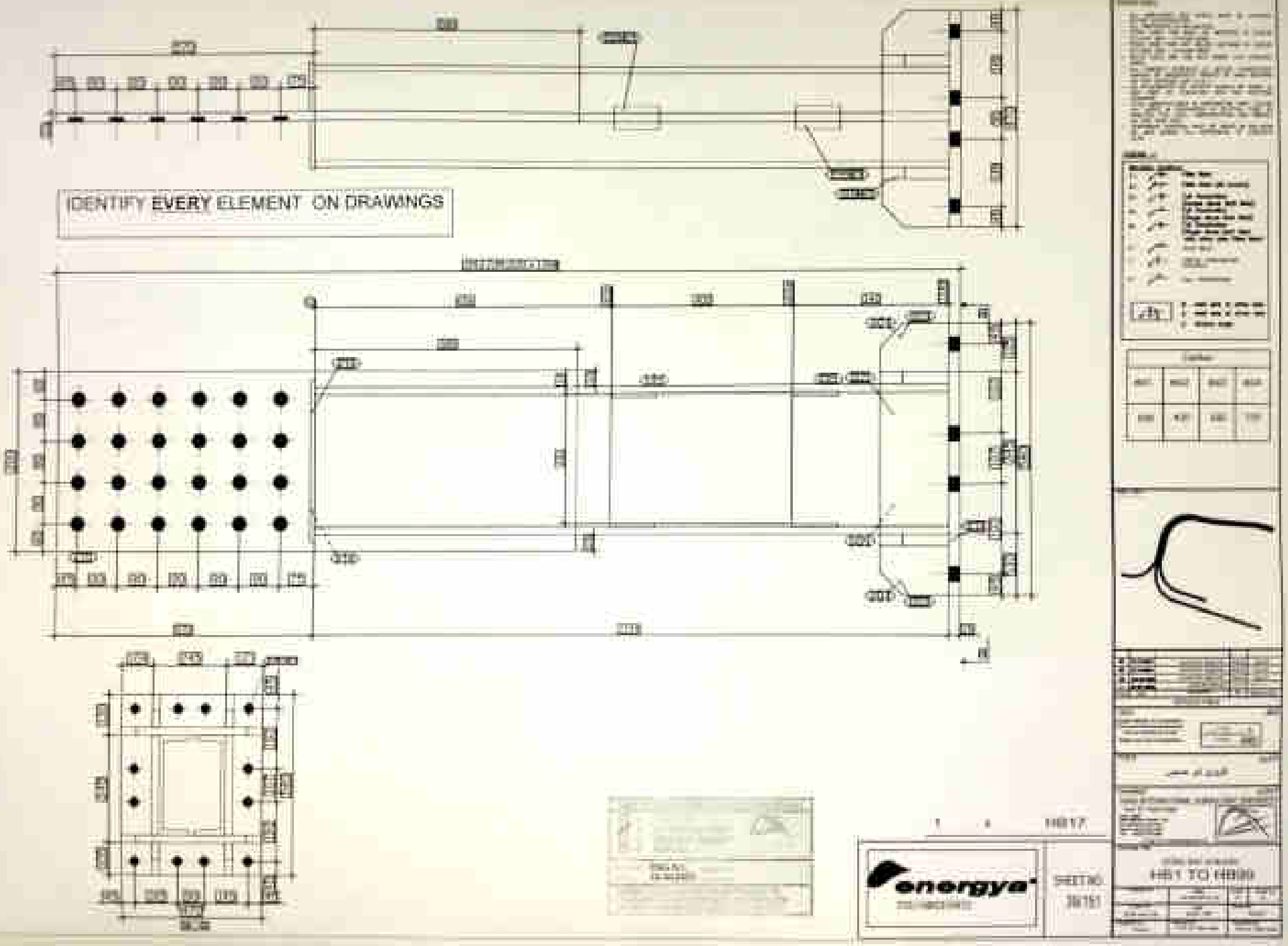


HB16

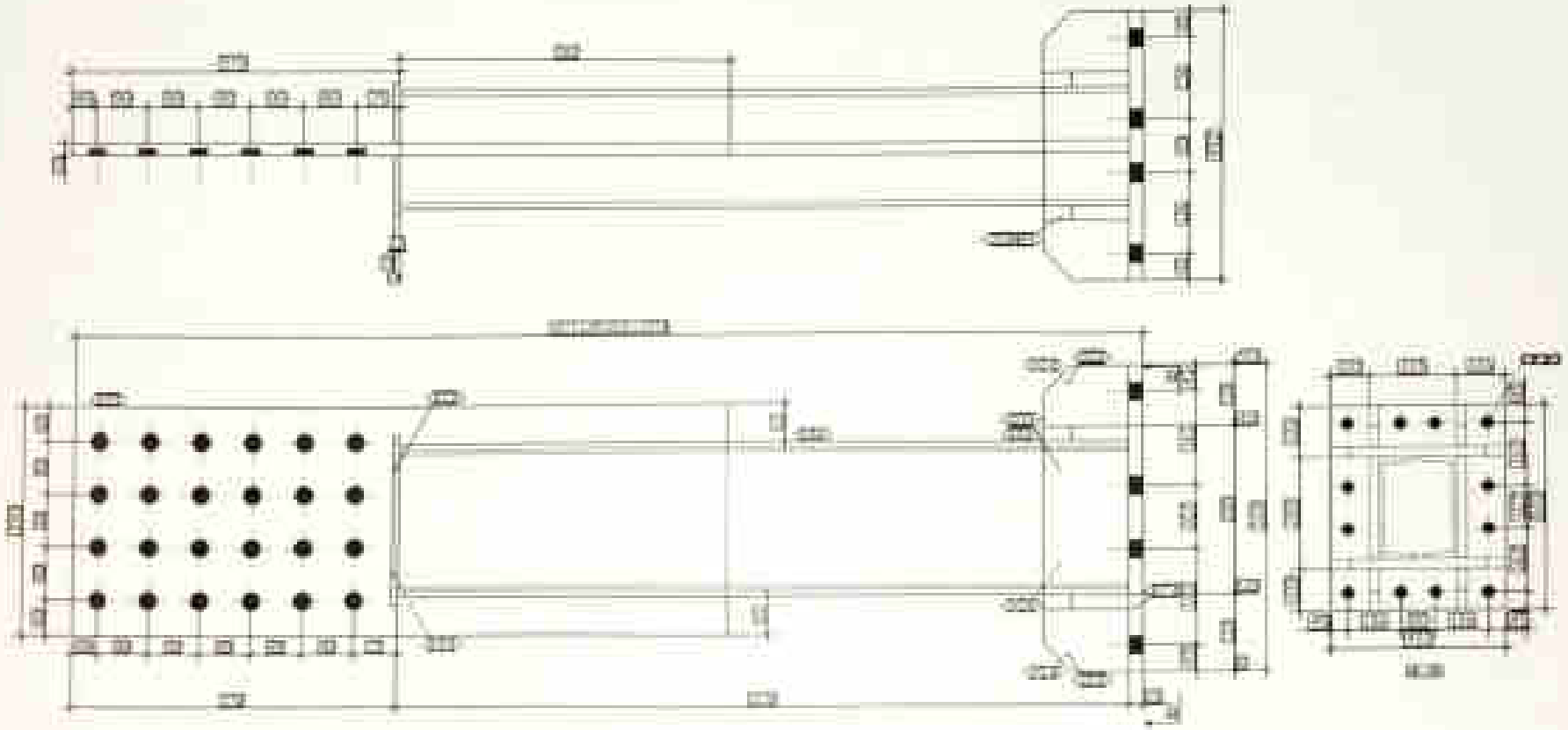
energya

SHEET NO

DATE



IDENTIFY **EVERY** ELEMENT ON DRAWINGS



energya

SHEET NO.
40151

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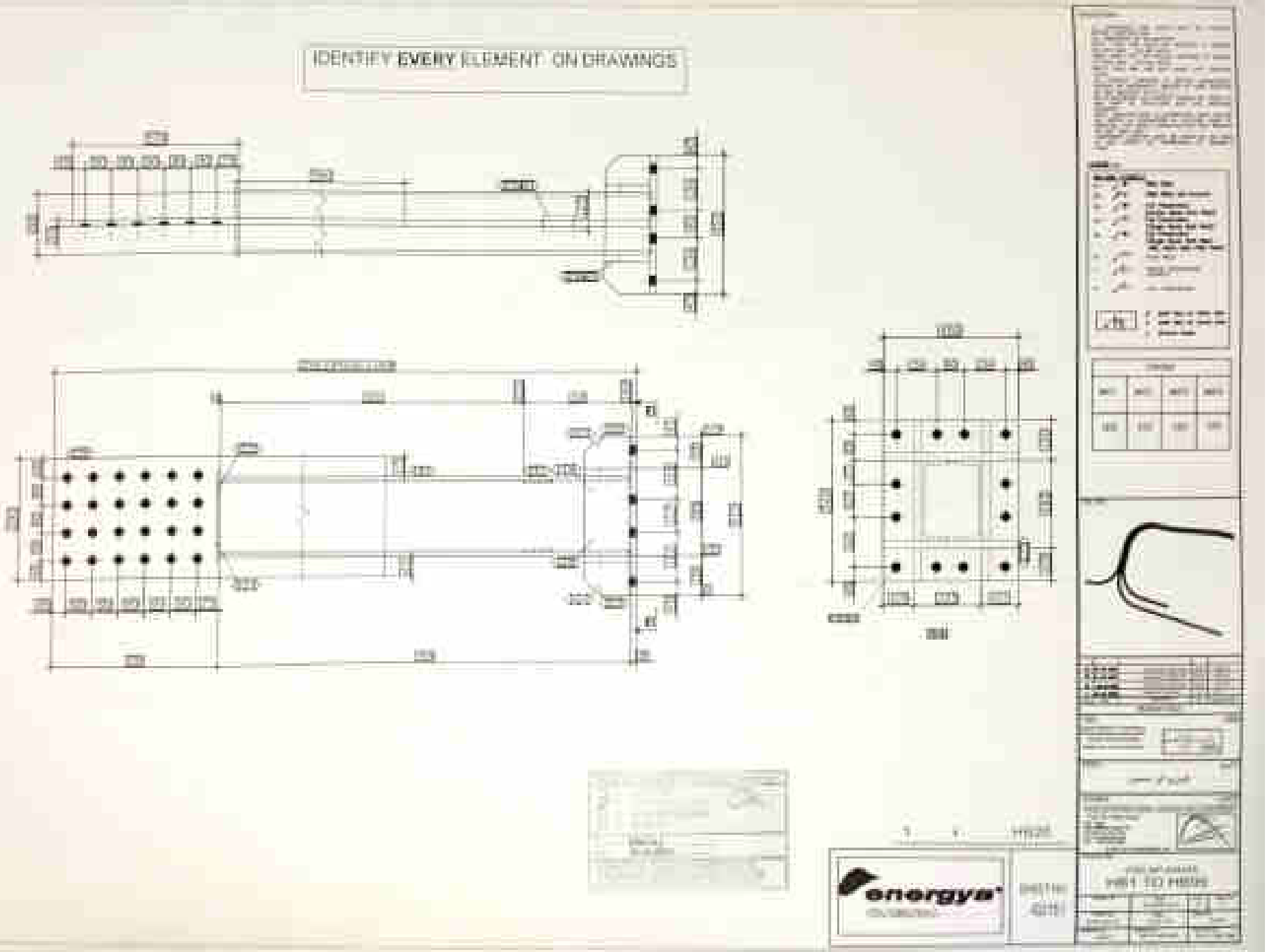

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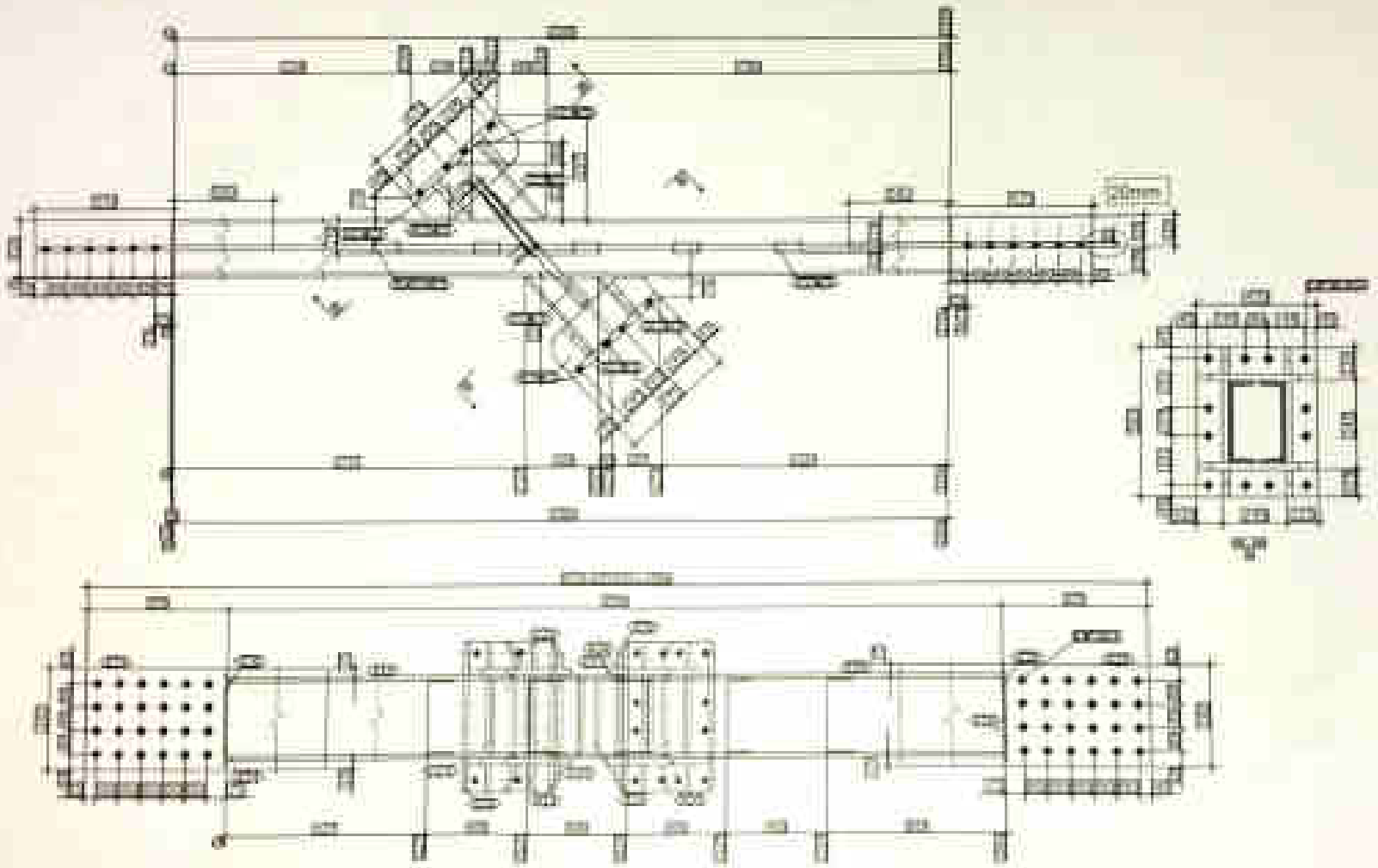

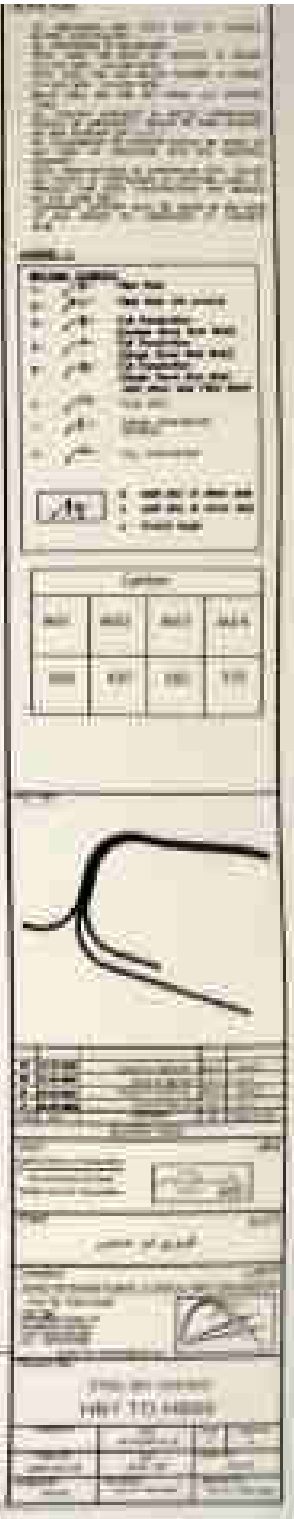

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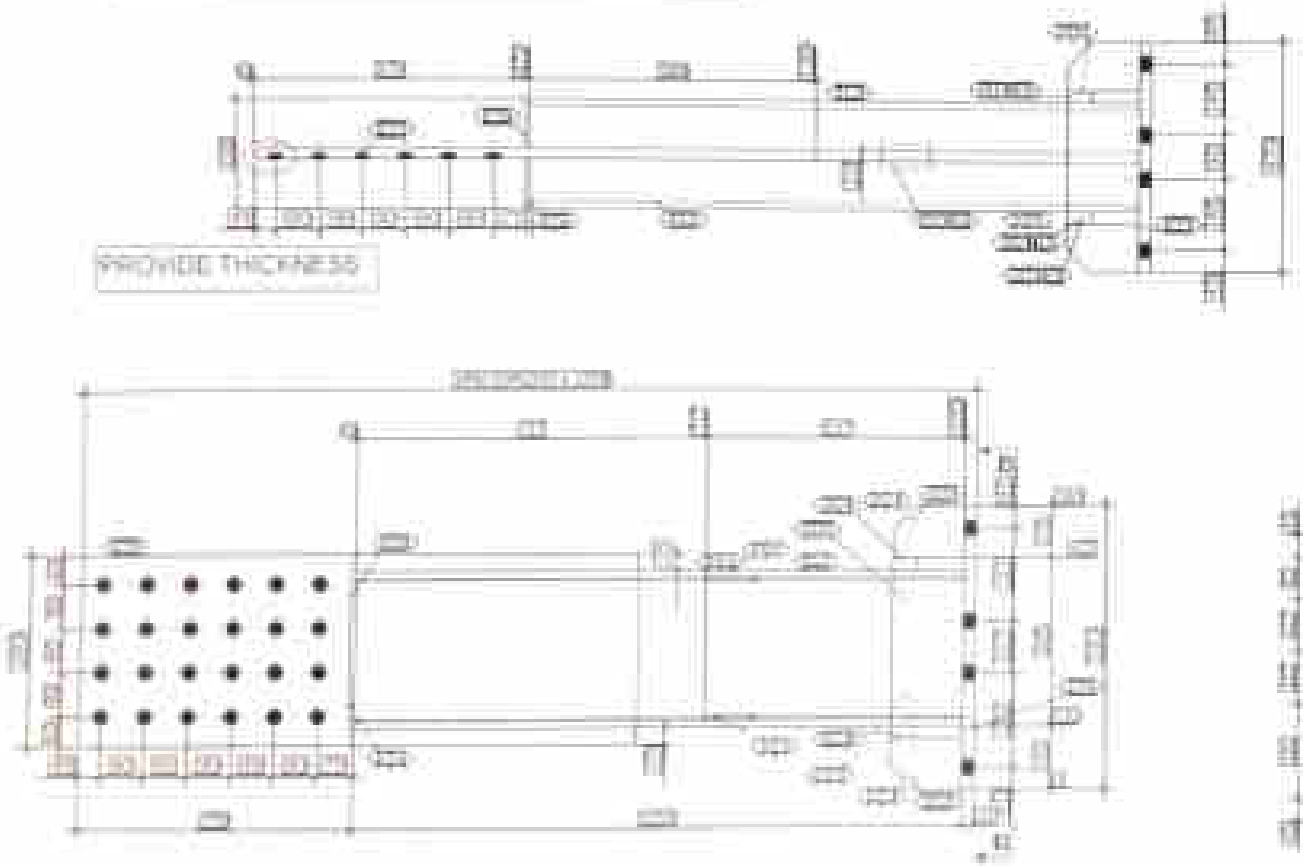
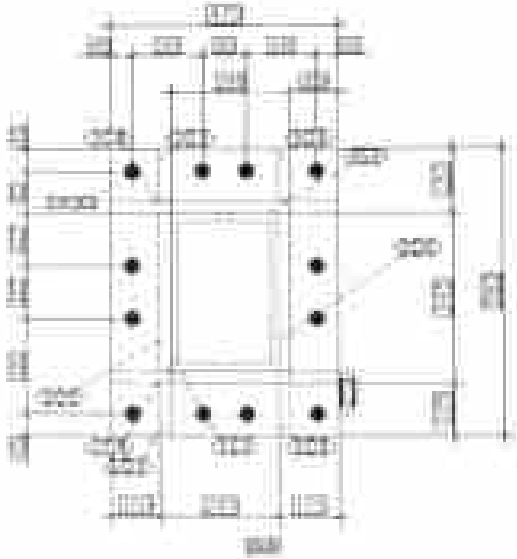
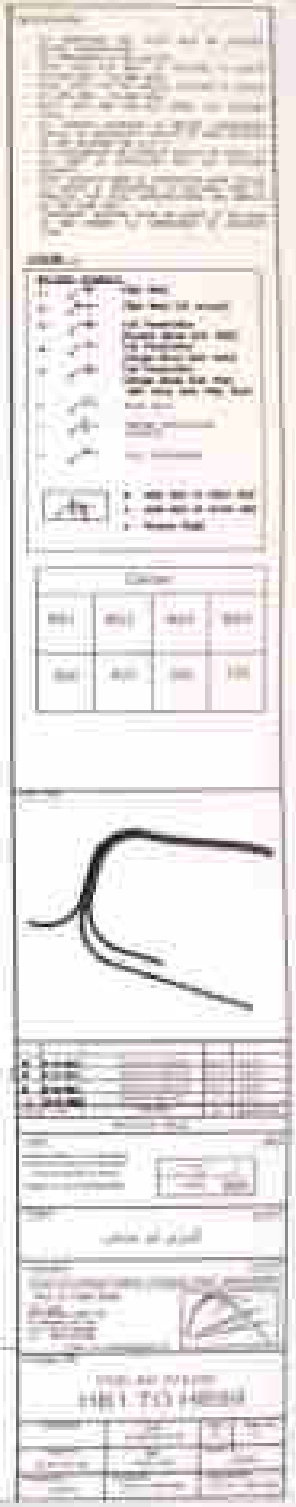
PROVIDE THICKNESS







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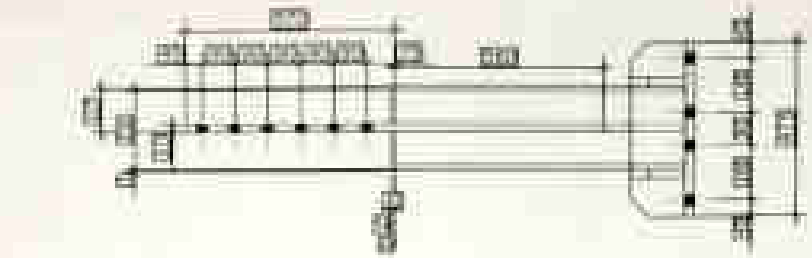

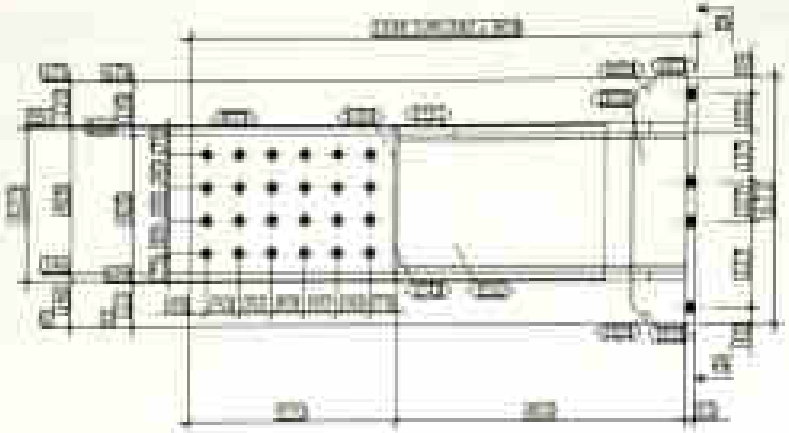

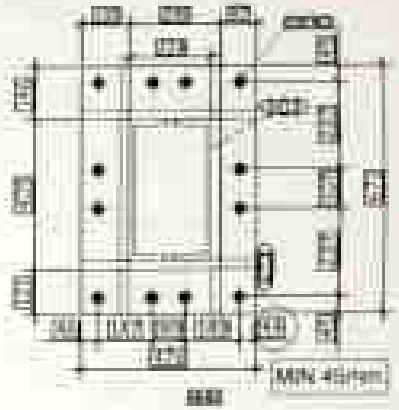

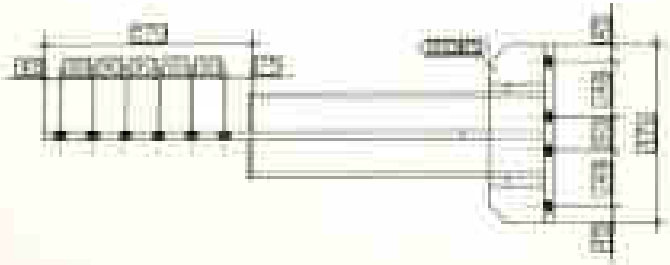

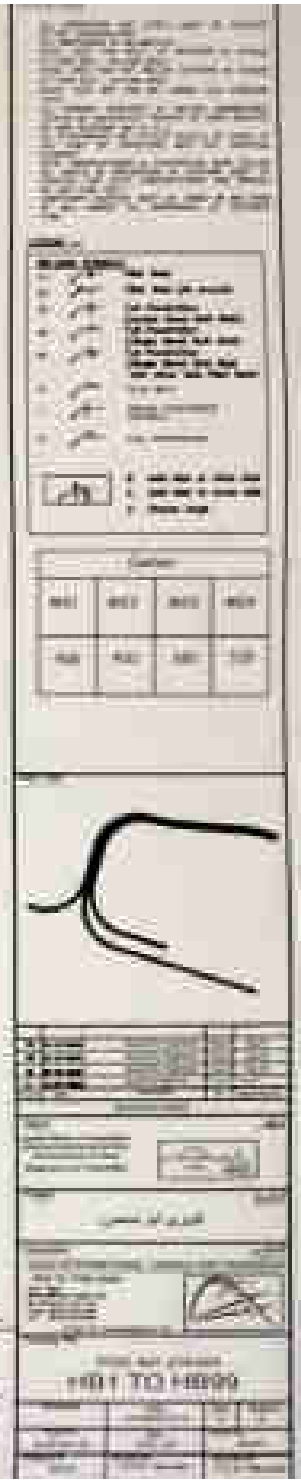

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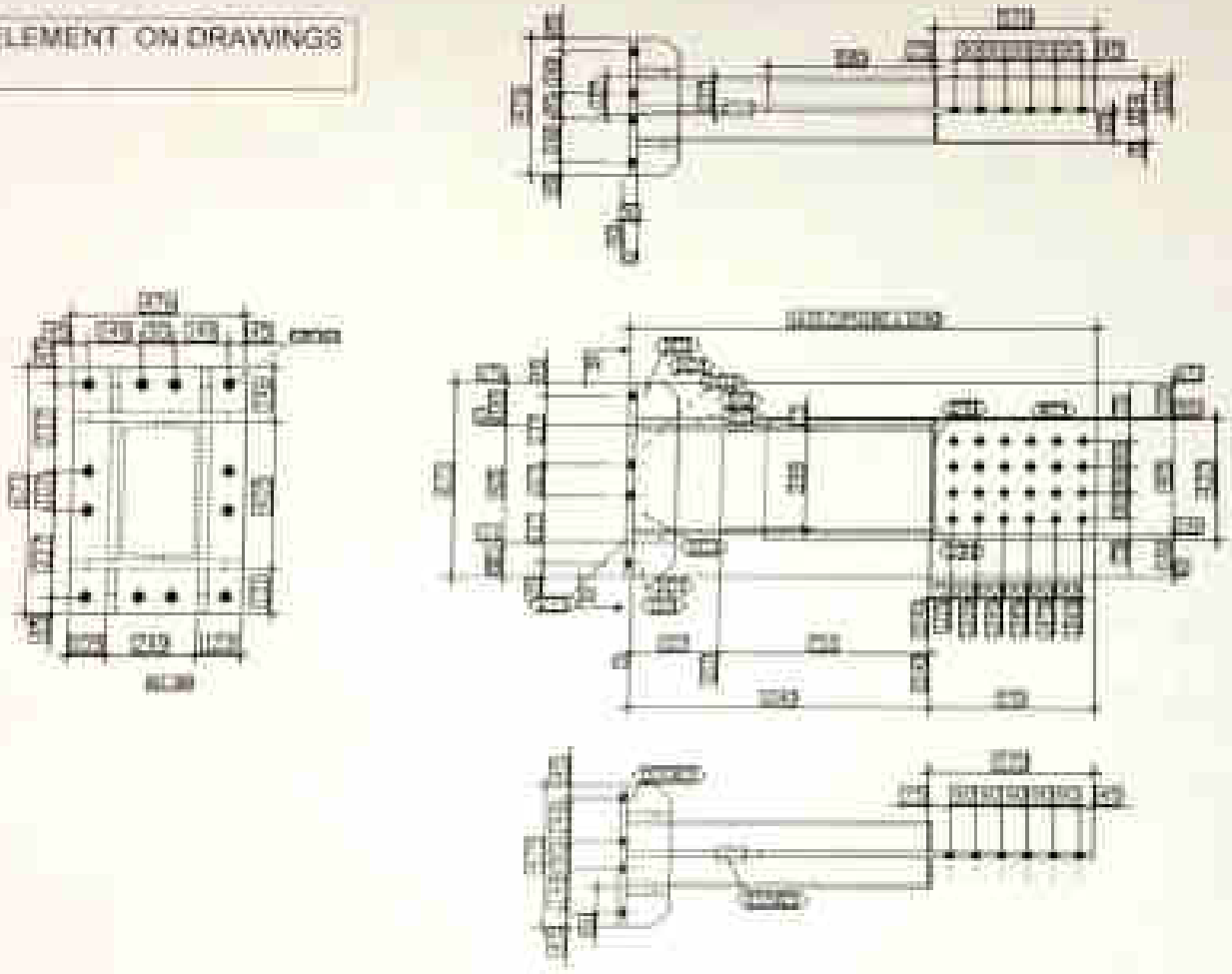

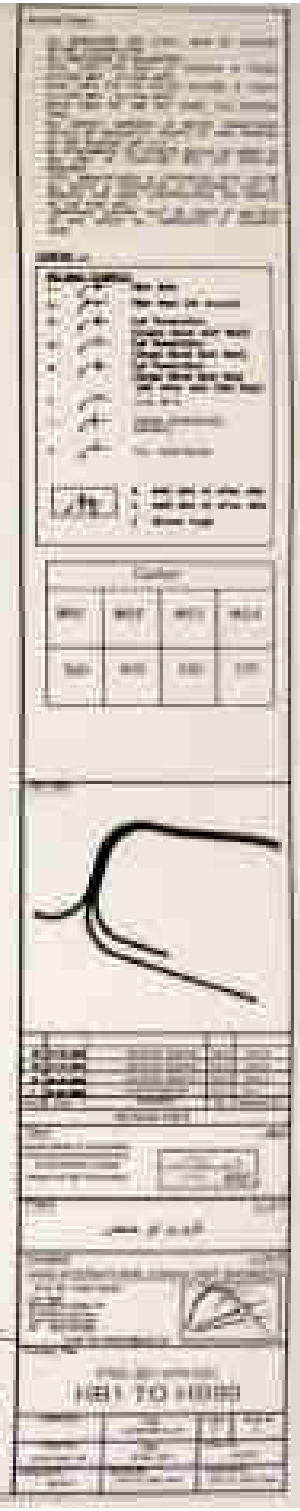

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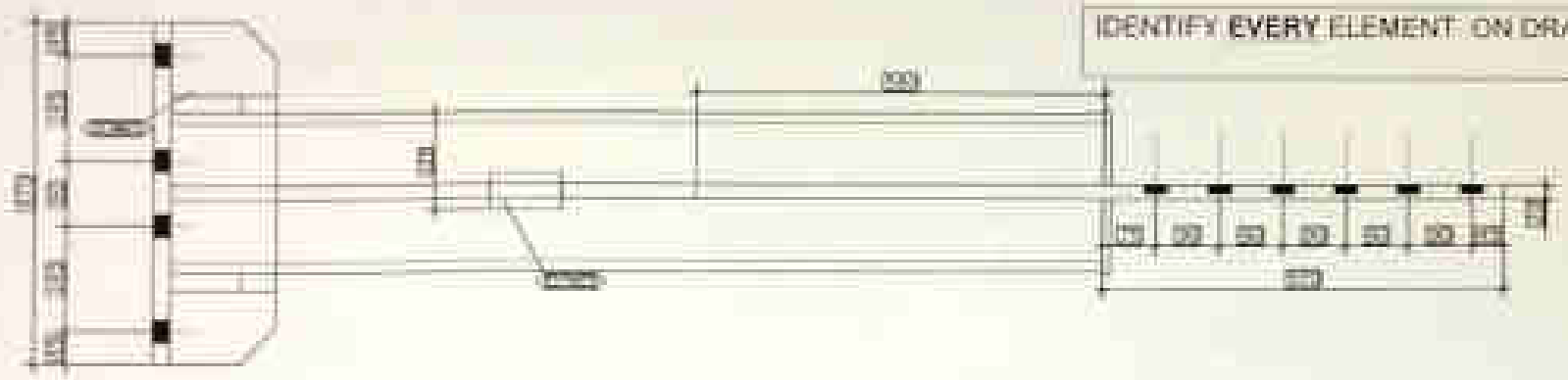

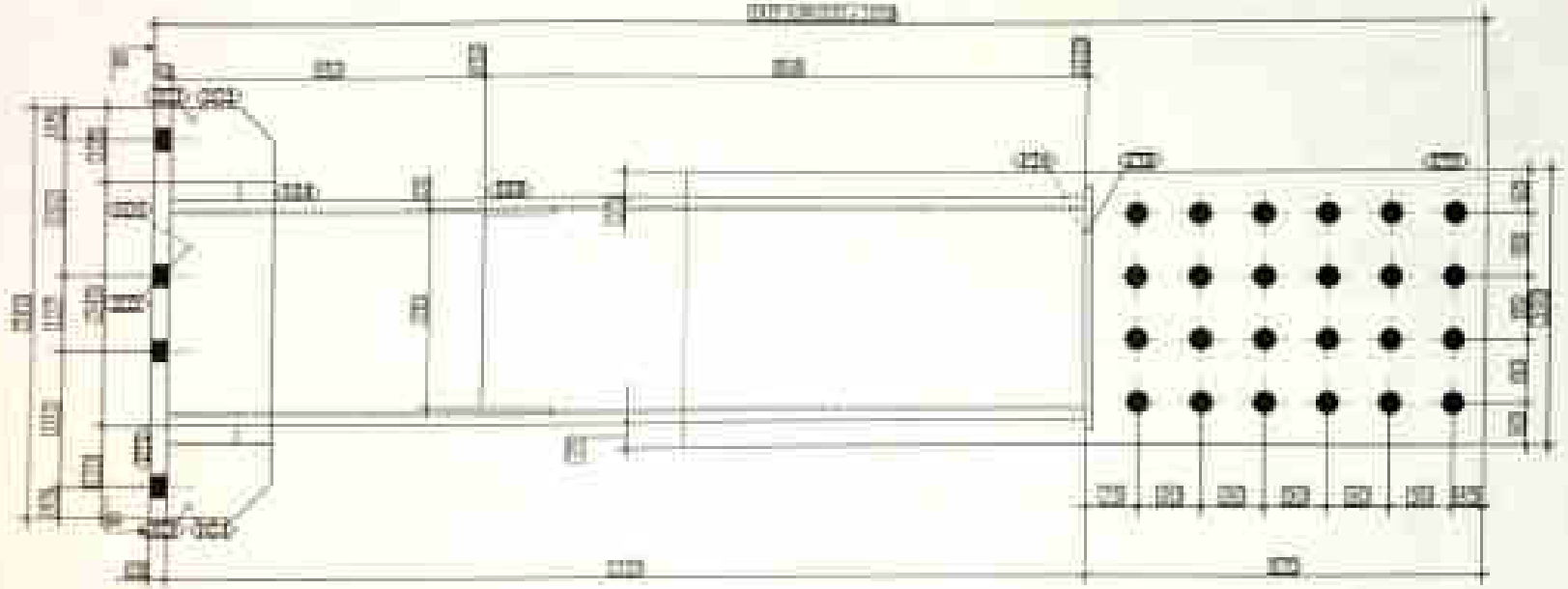

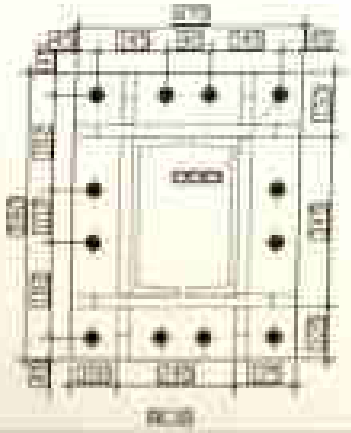

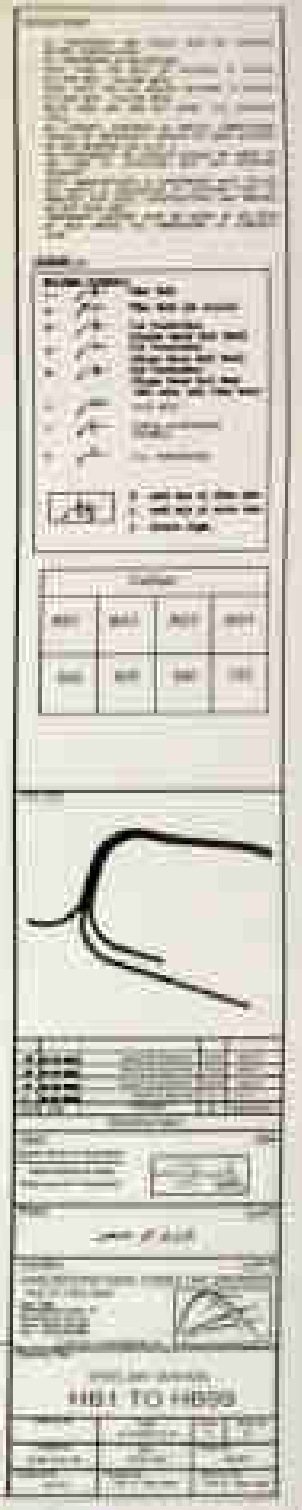

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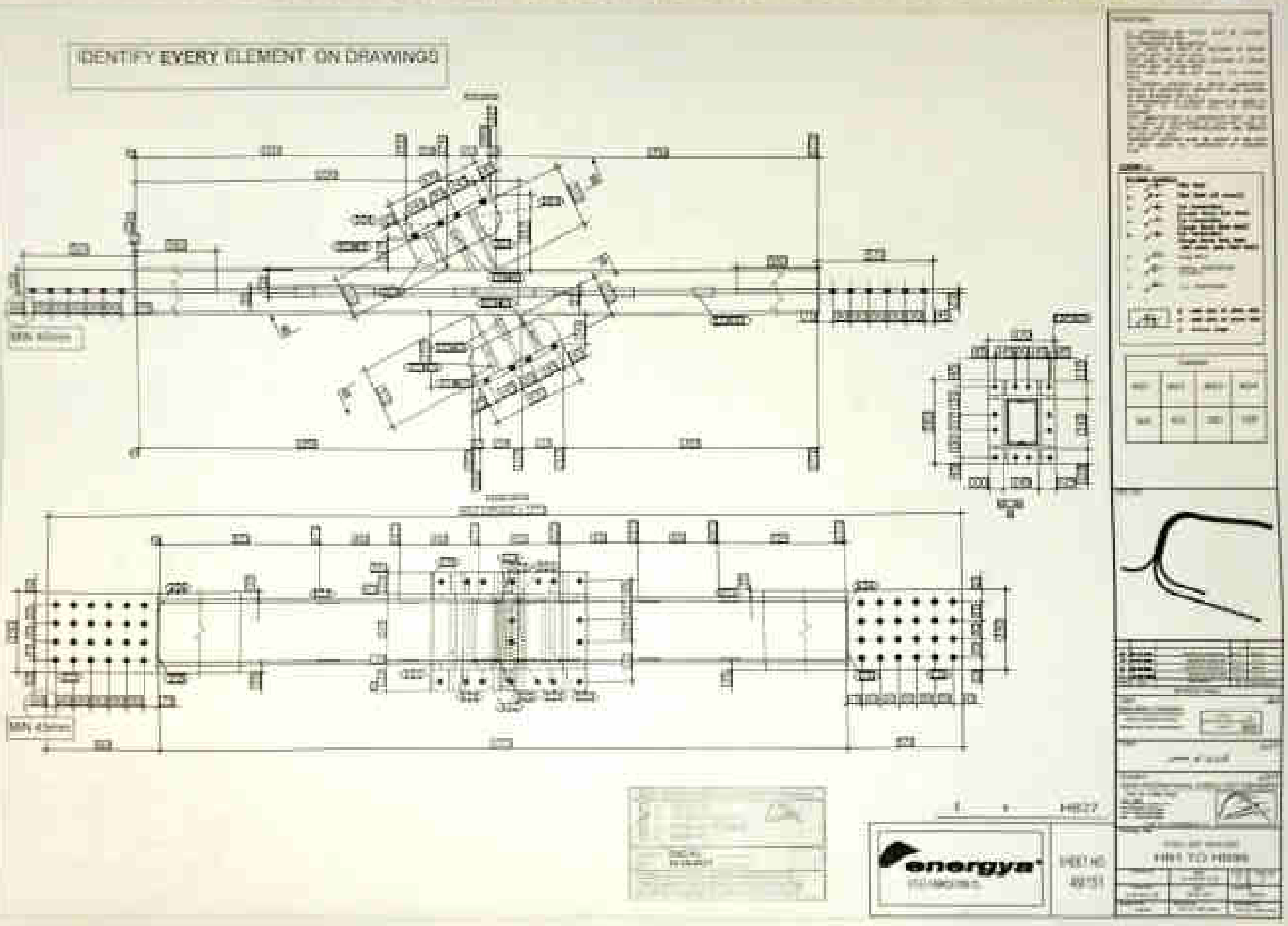

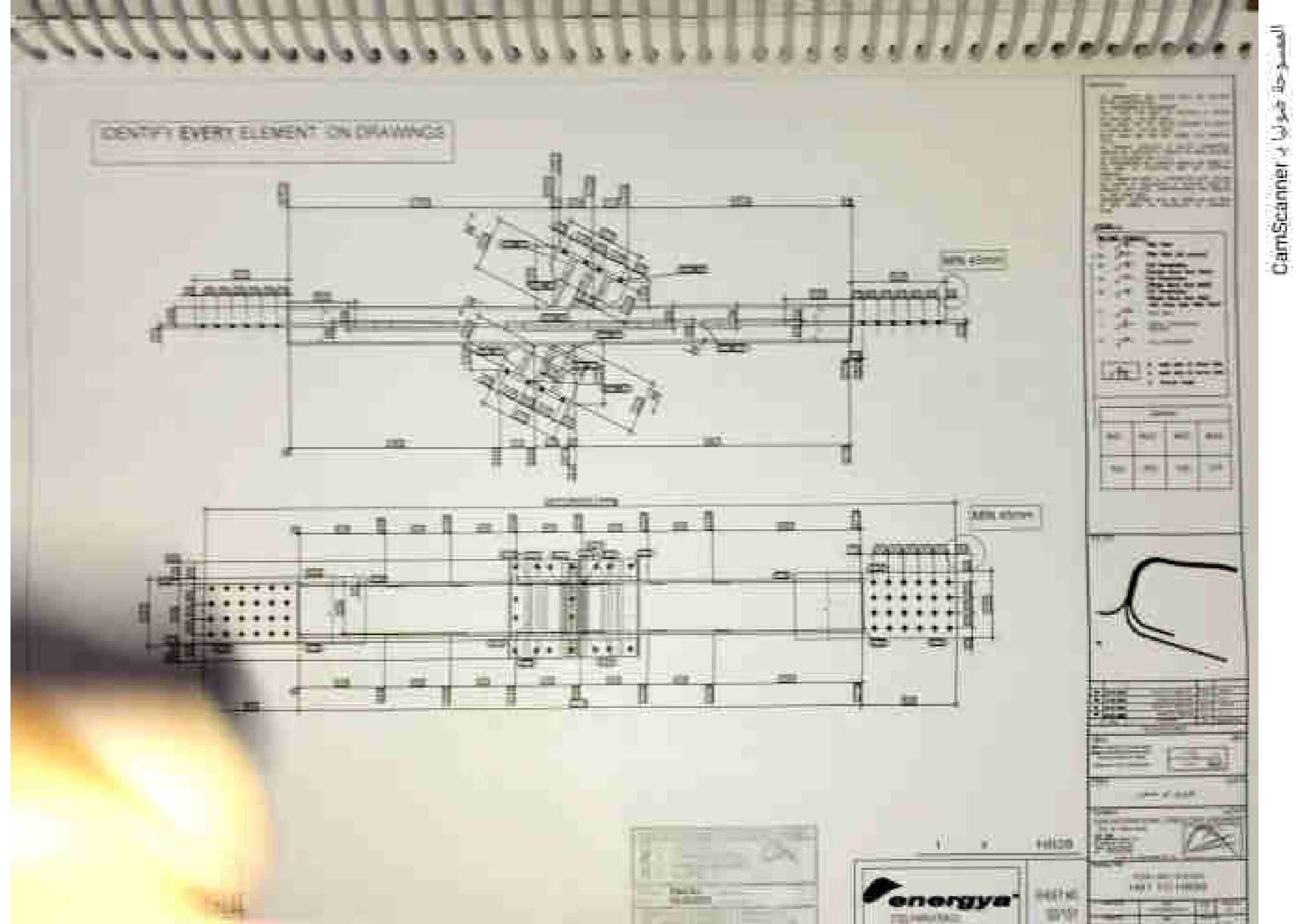

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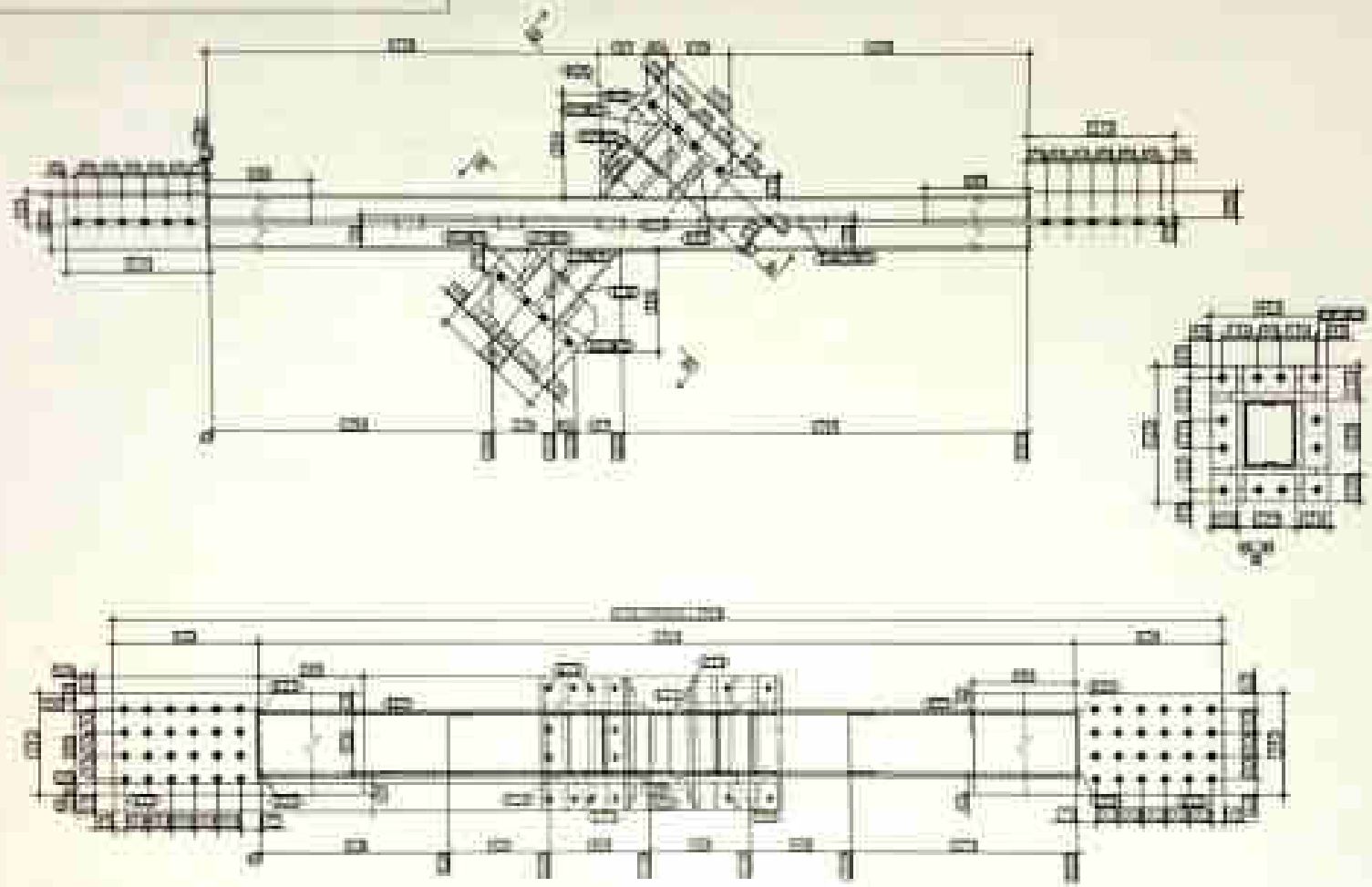

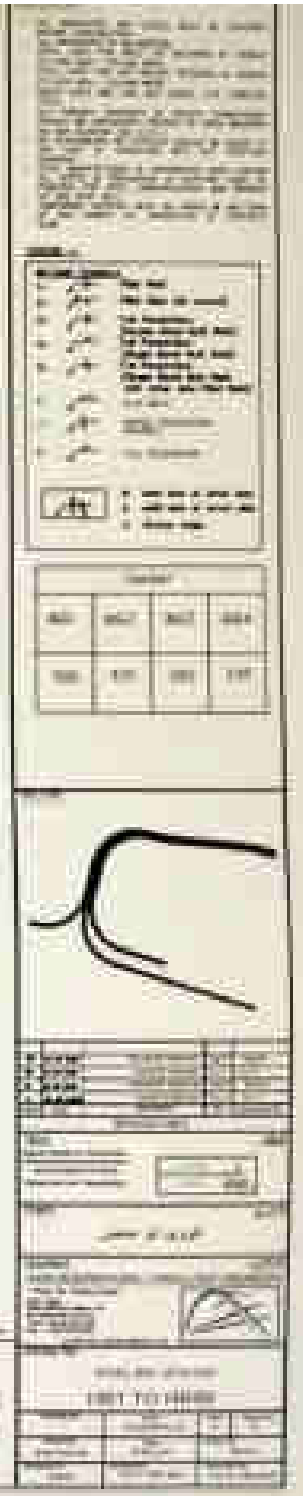

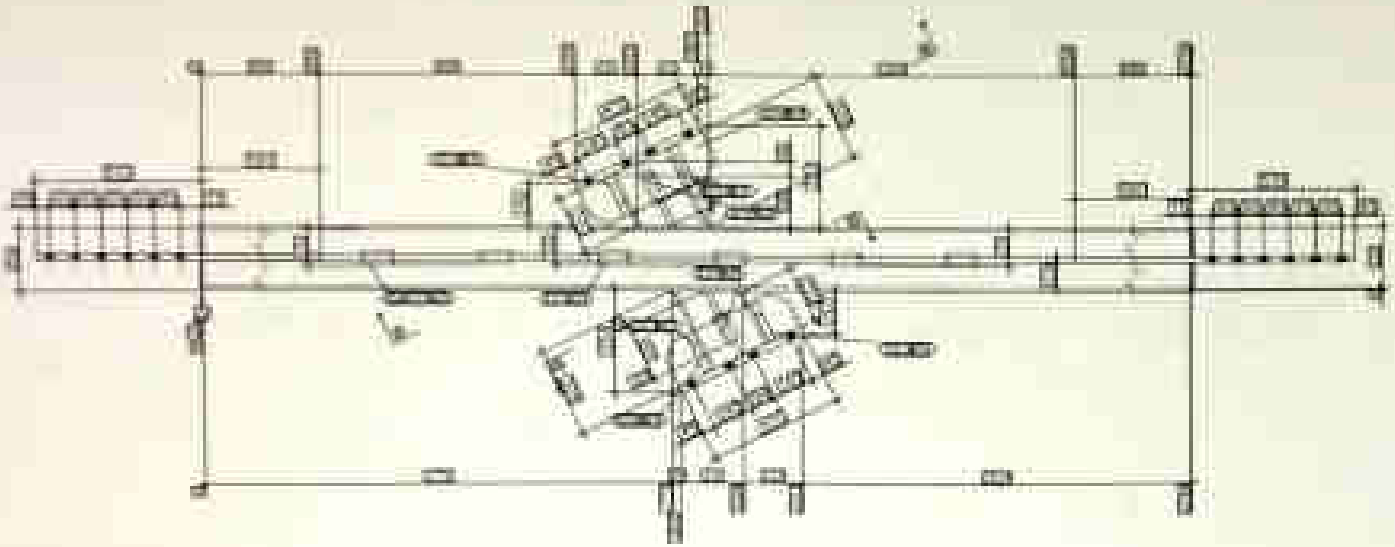

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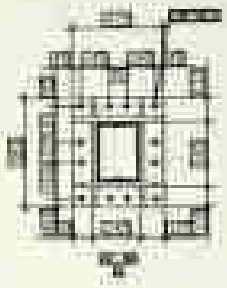

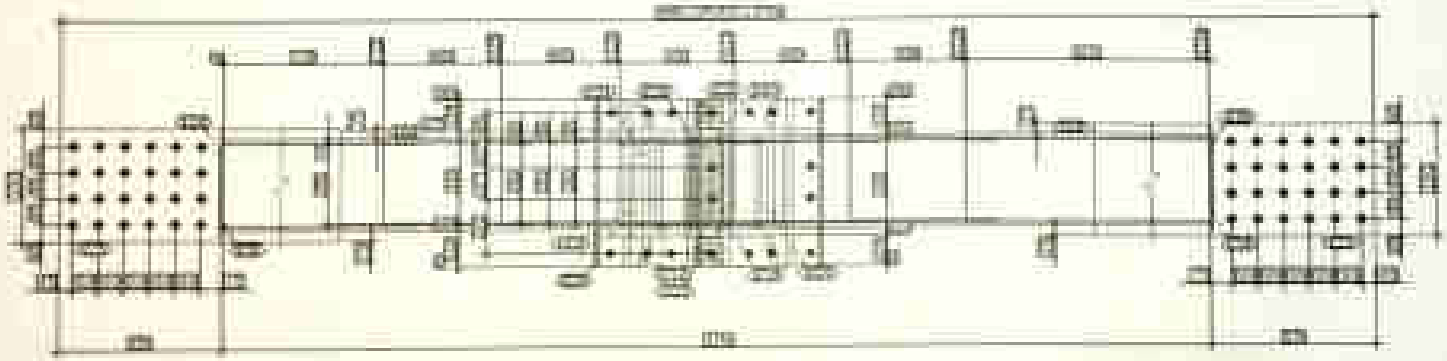

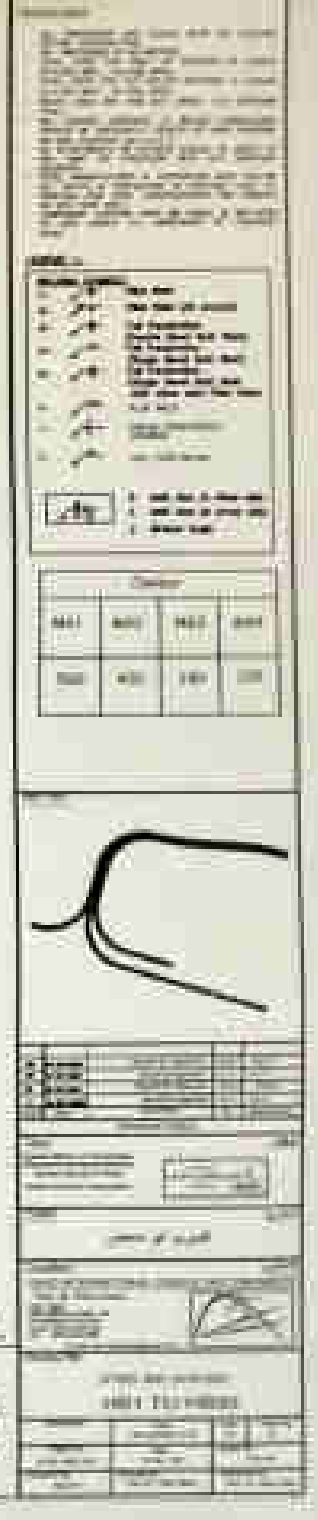

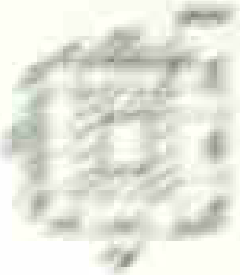

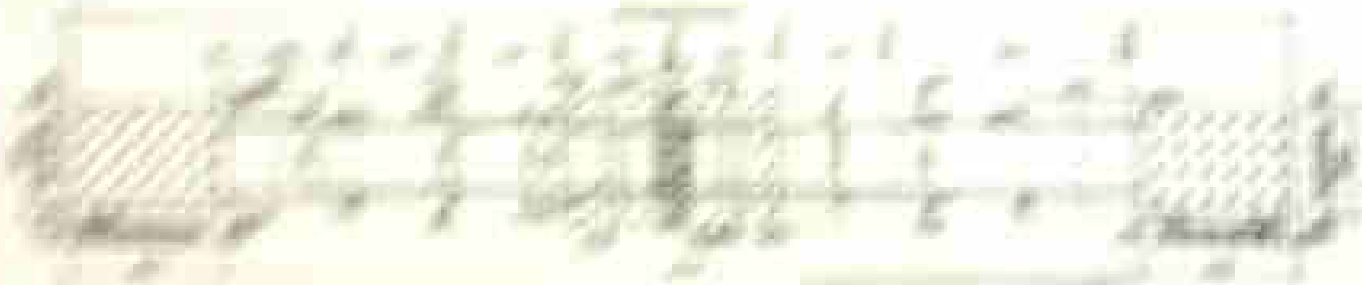

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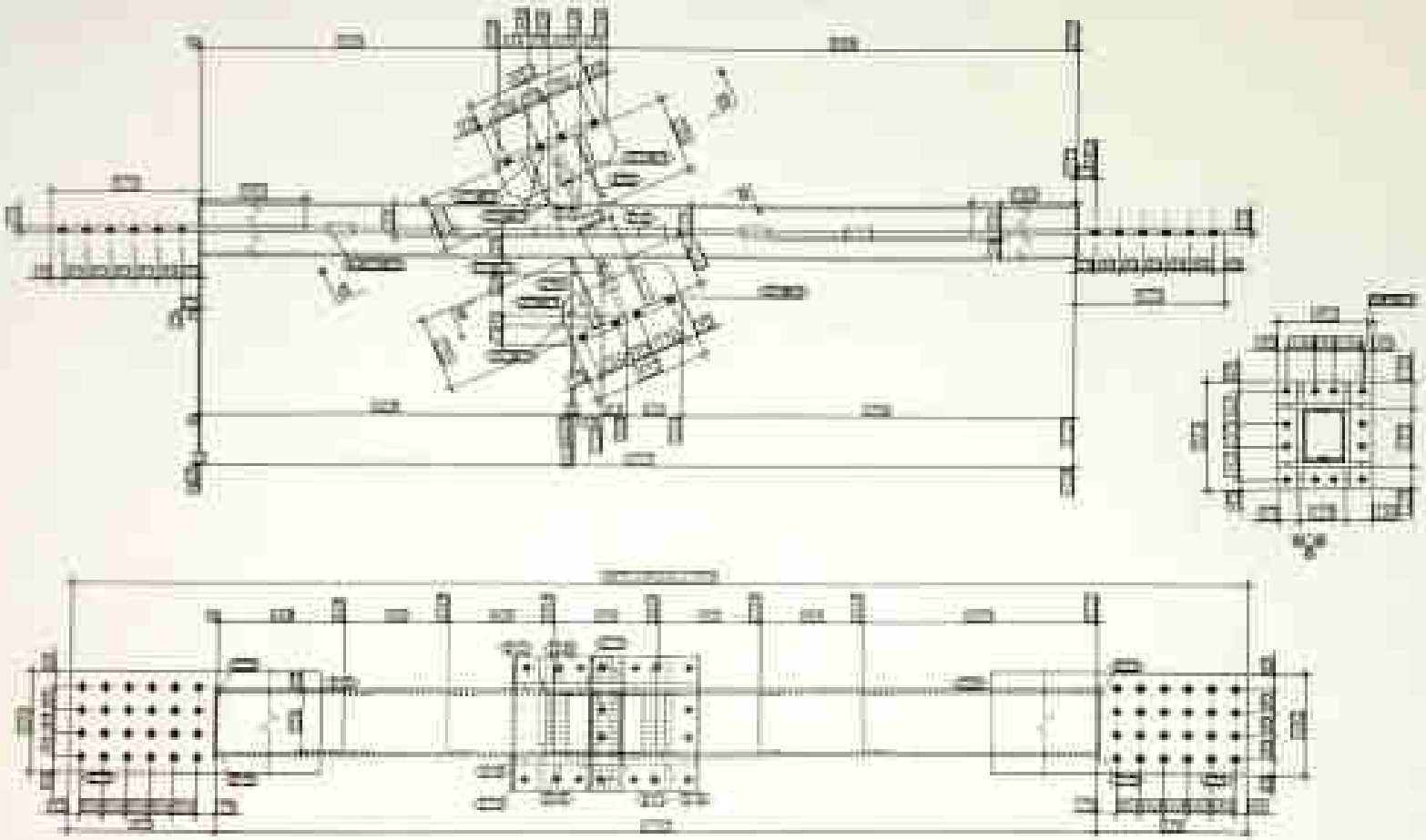

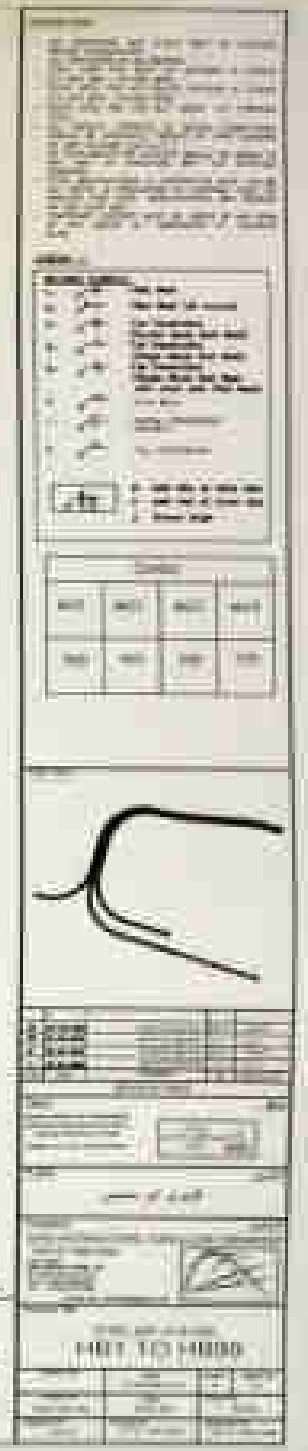

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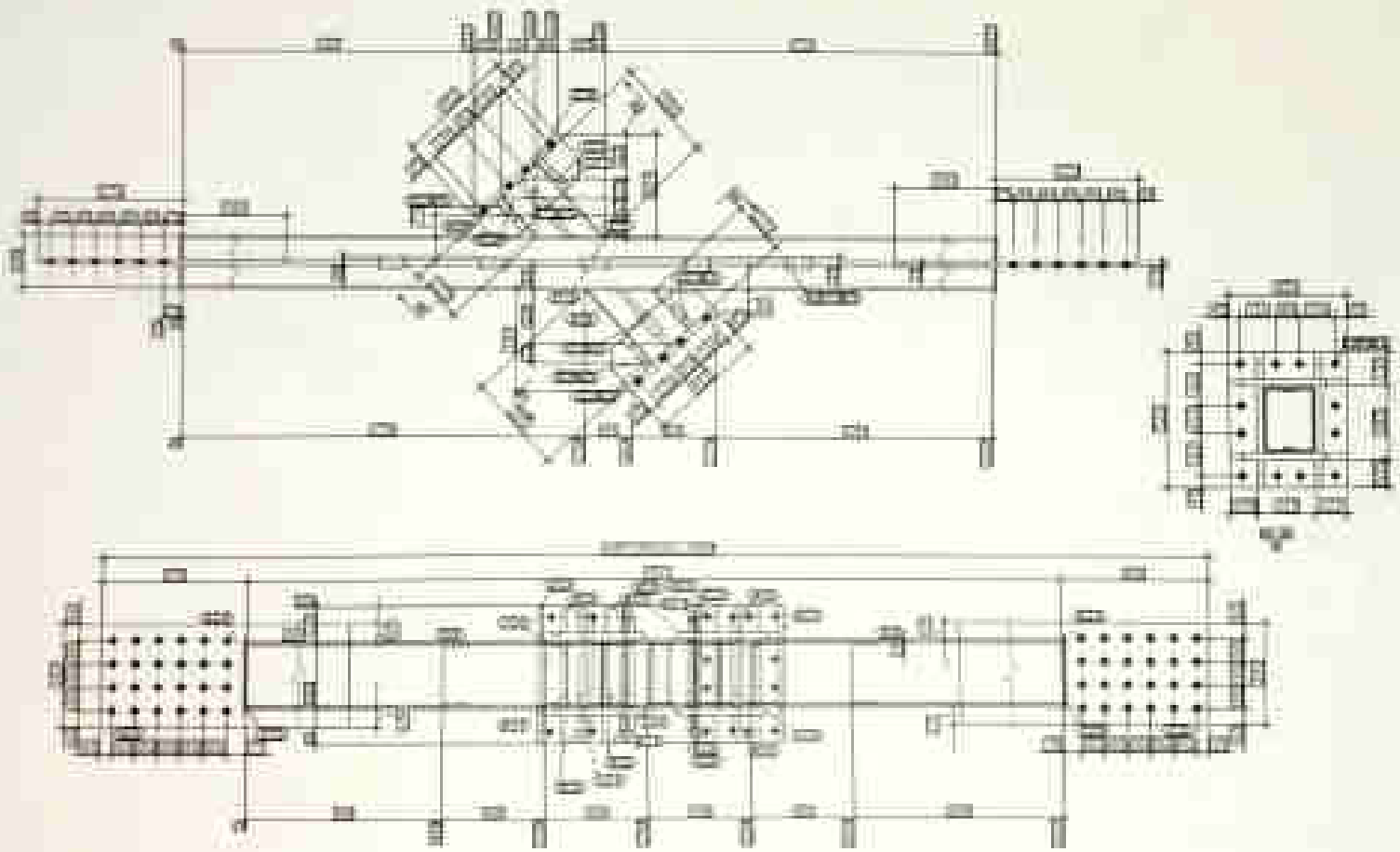

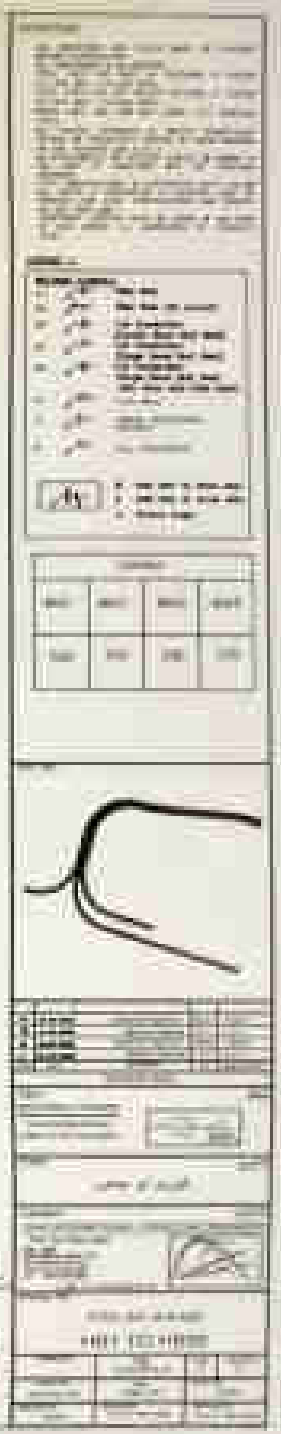

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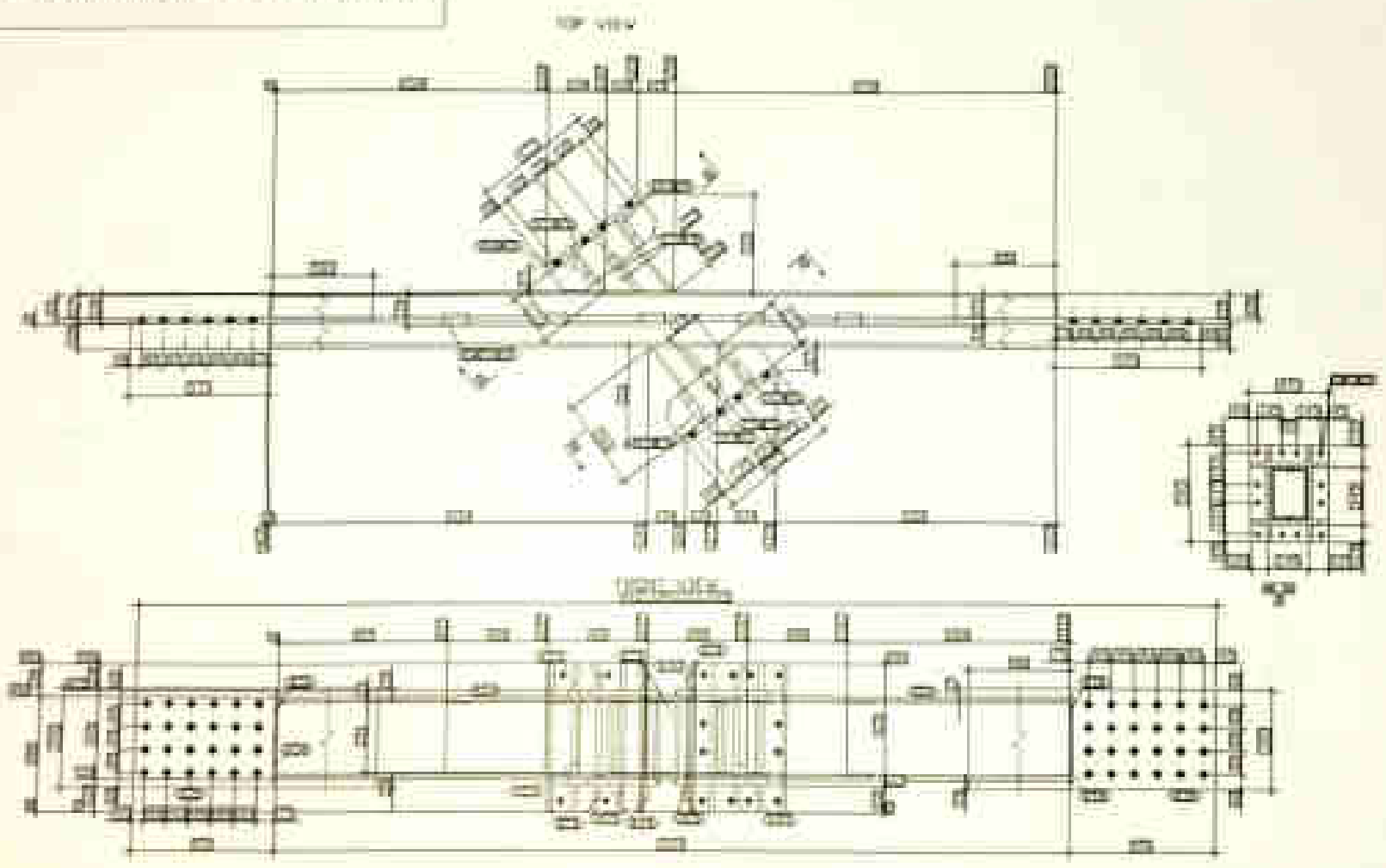
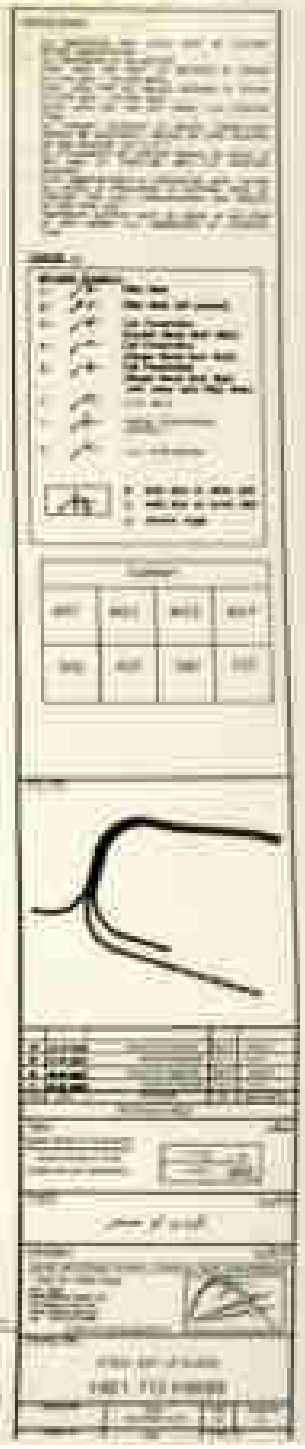
IDENTIFY **EVERY** ELEMENT ON DRAWINGS

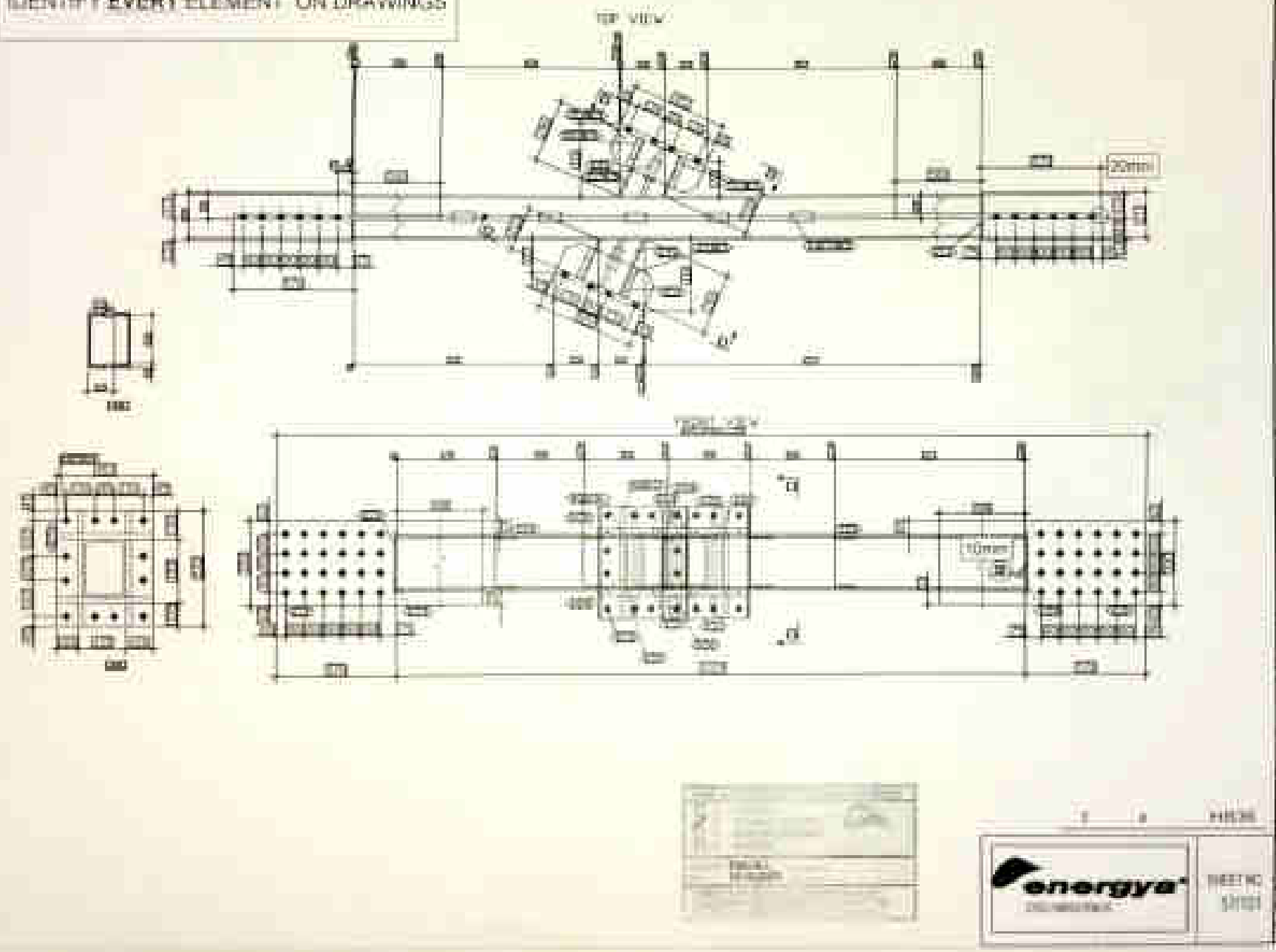




energya

SHEET NO.
SE101

IDENTIFY EVERY ELEMENT ON DRAWINGS



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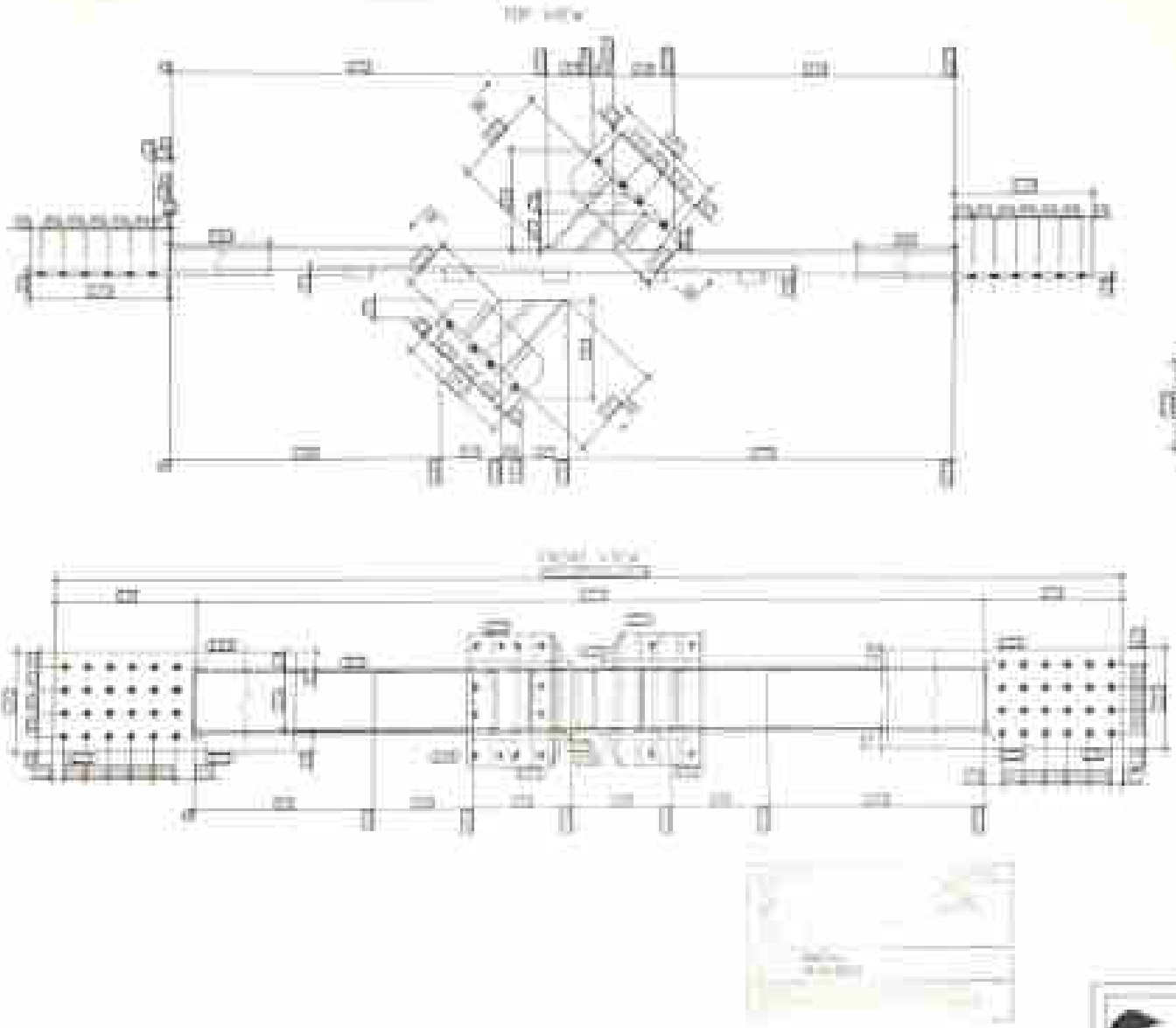

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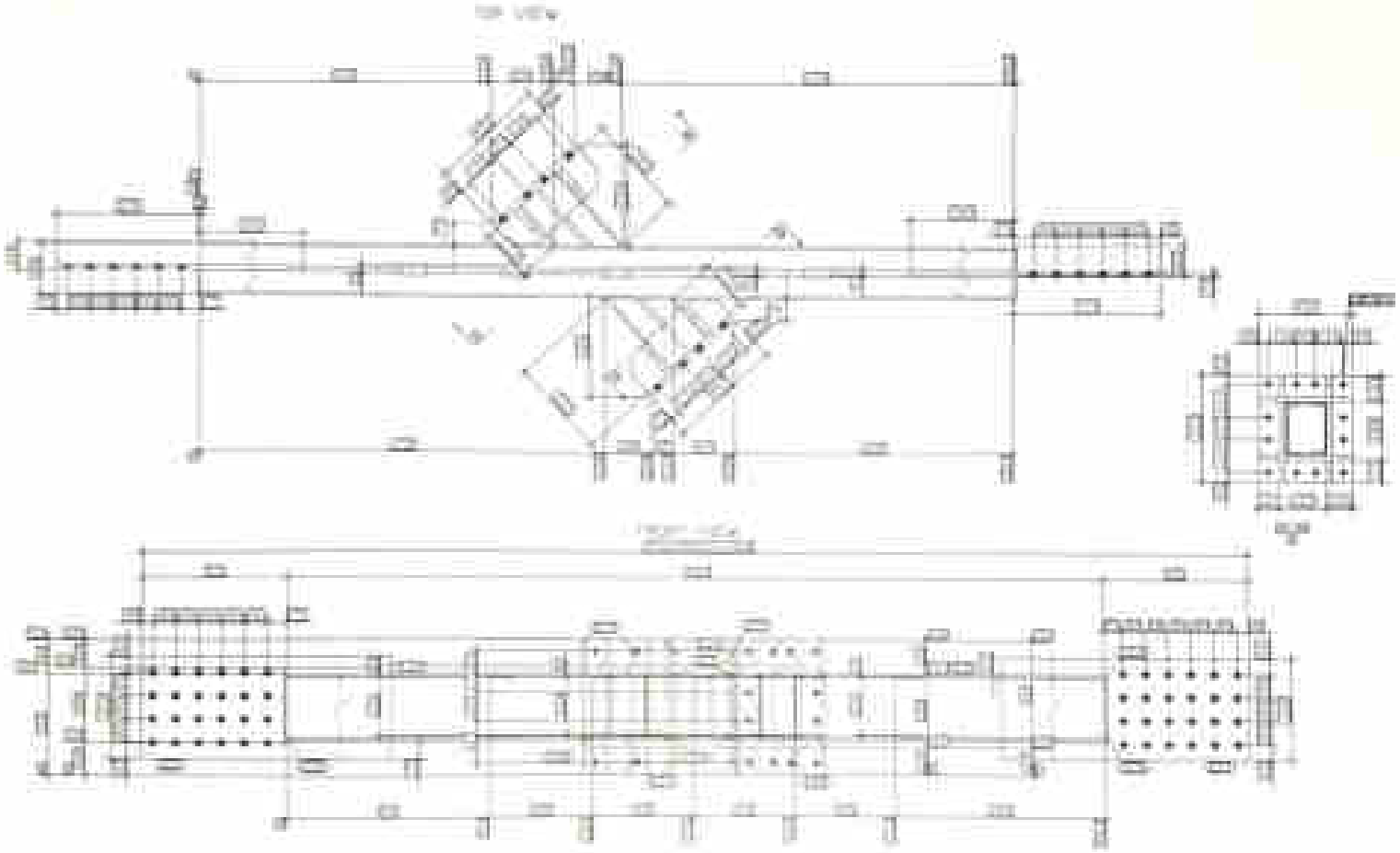

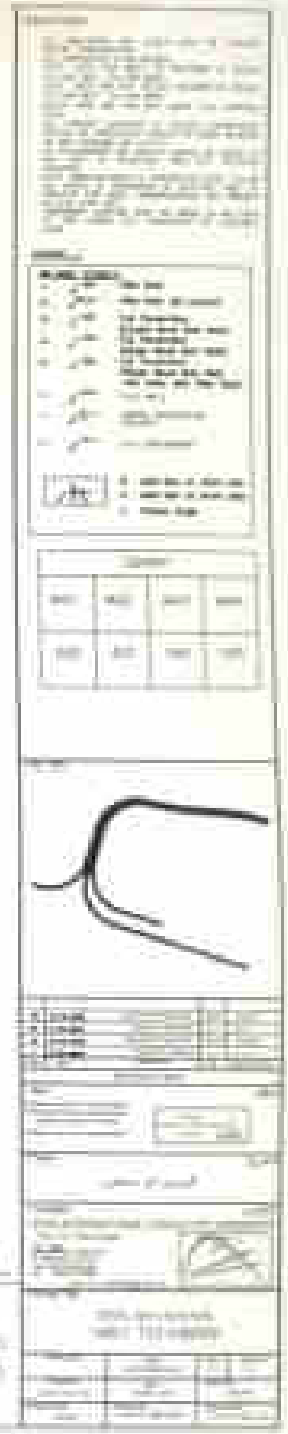

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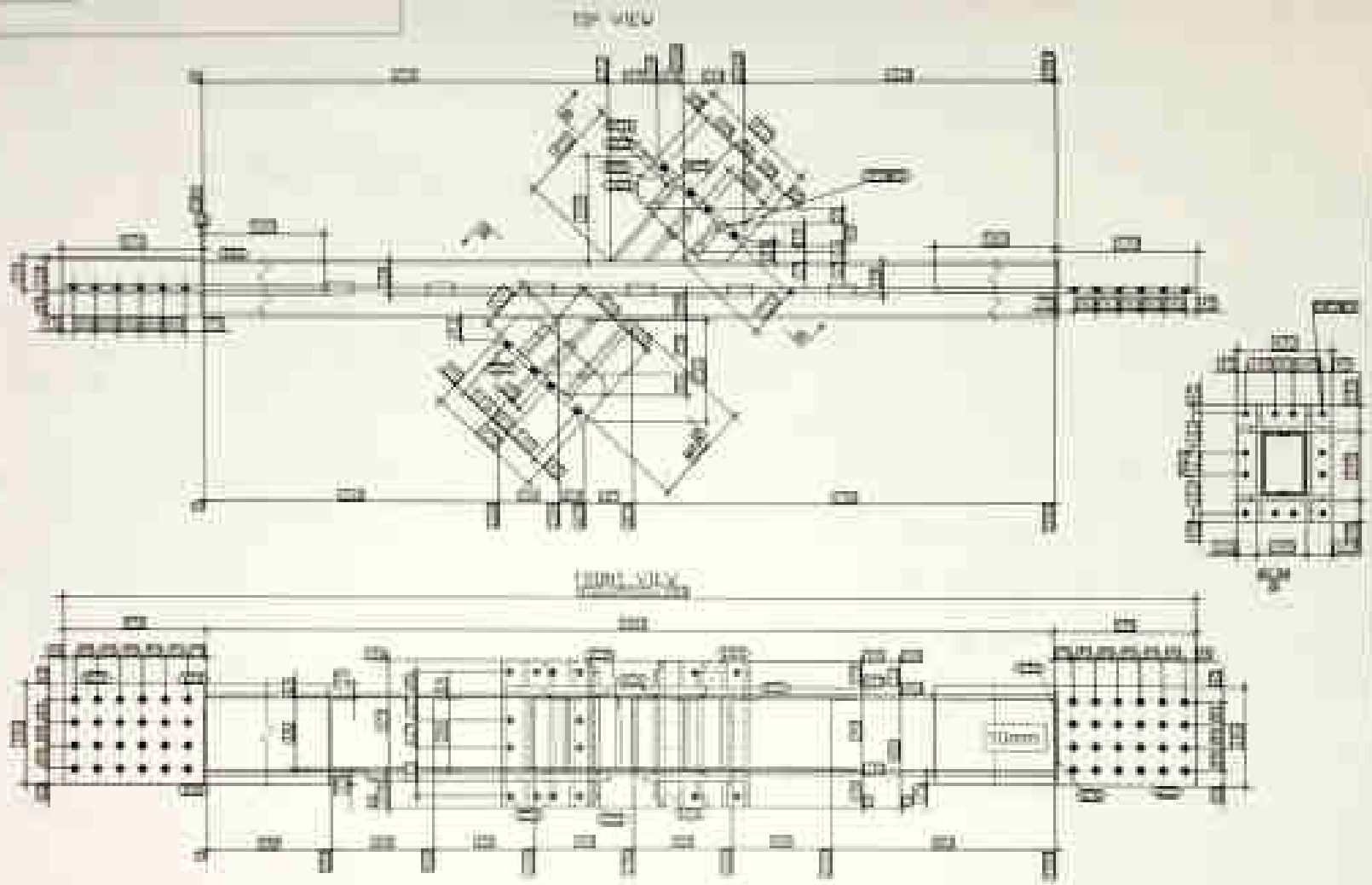

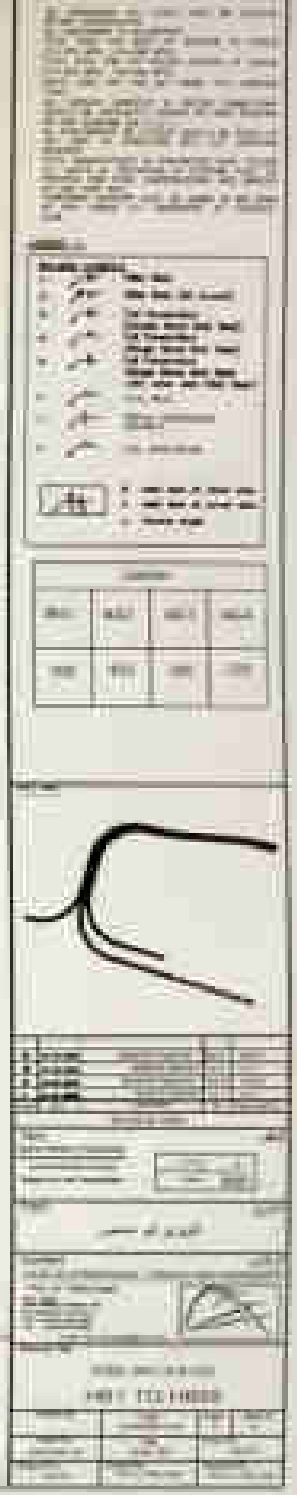

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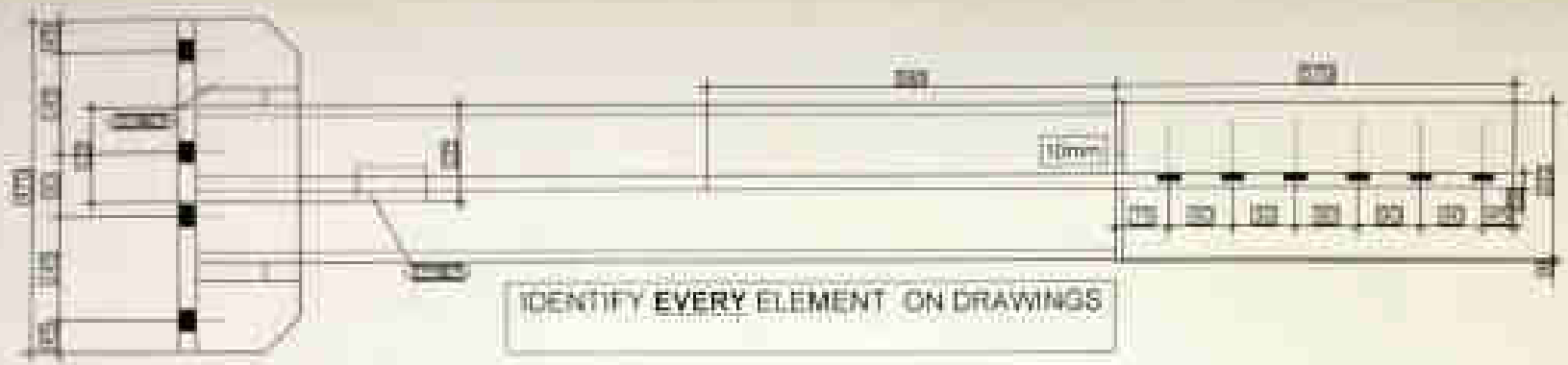
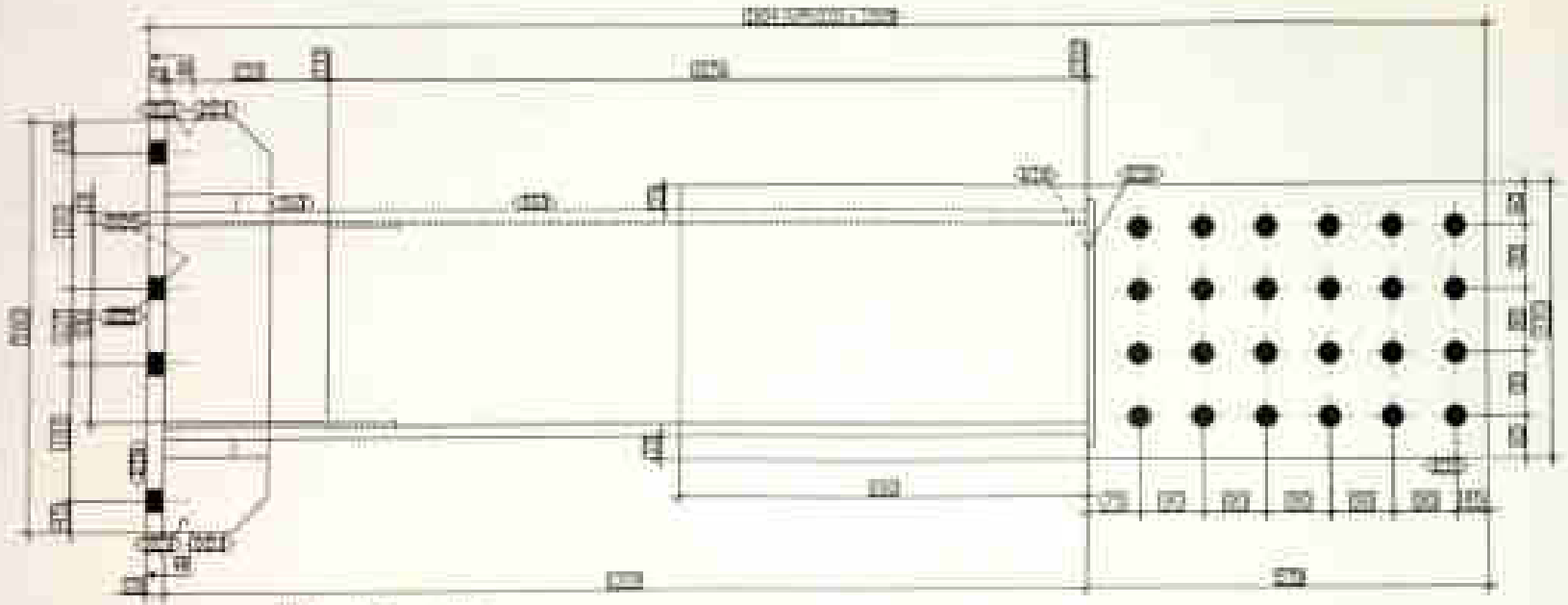
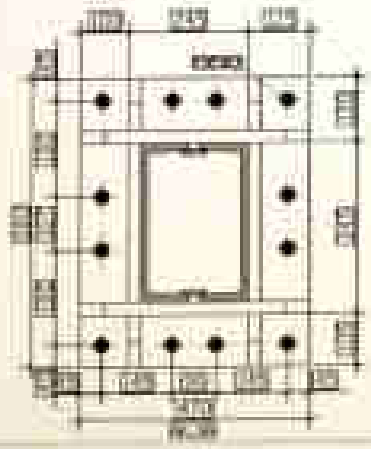
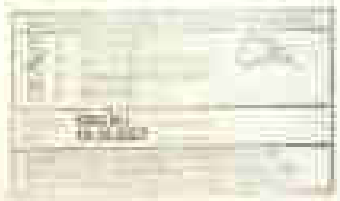
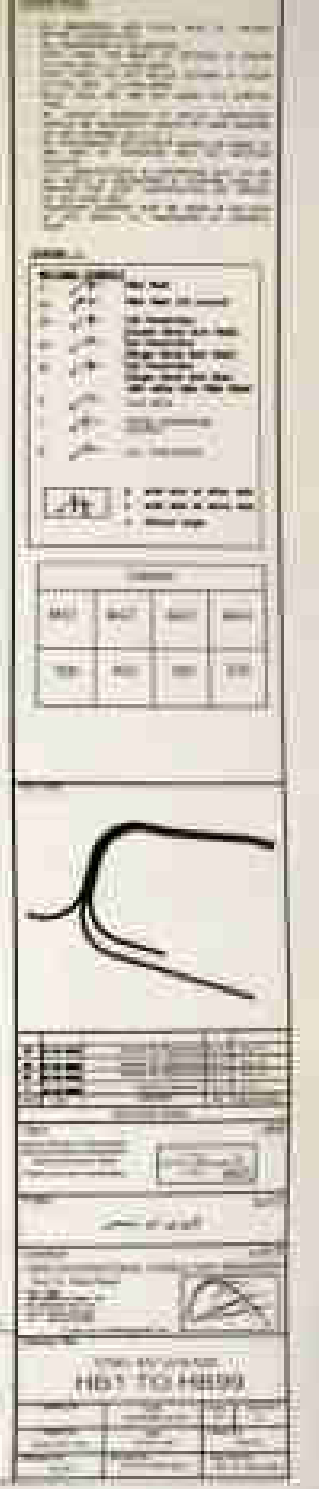
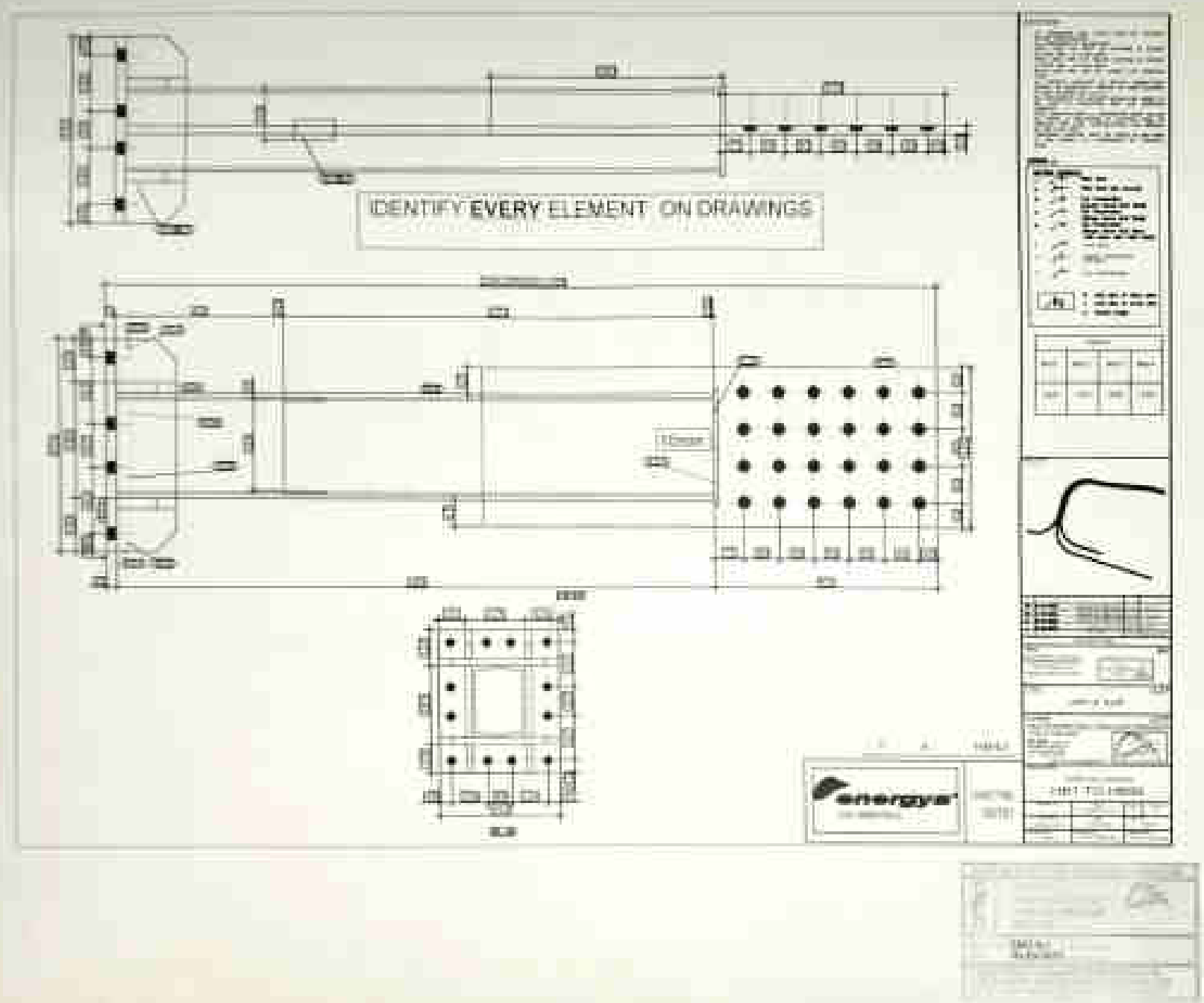




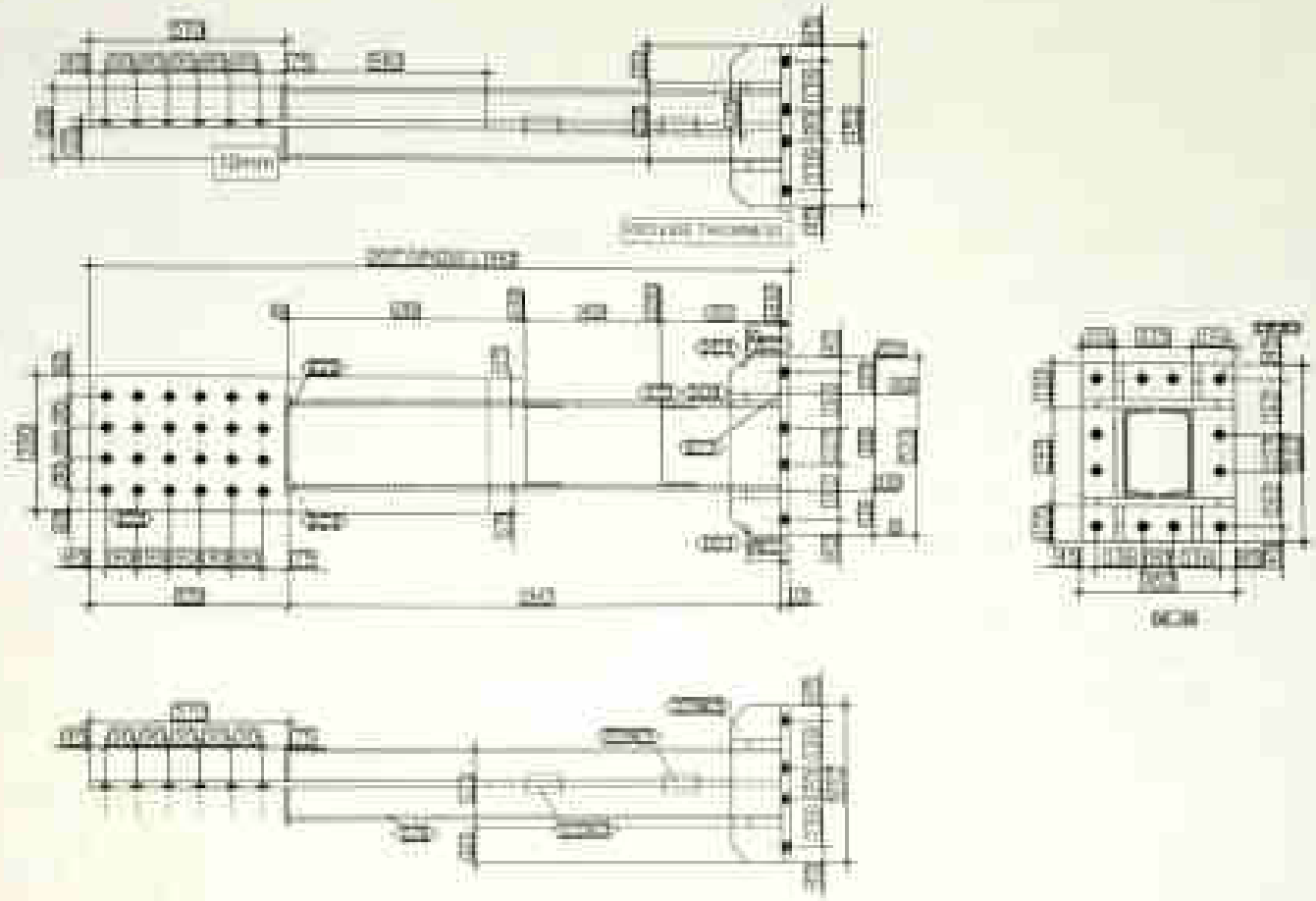


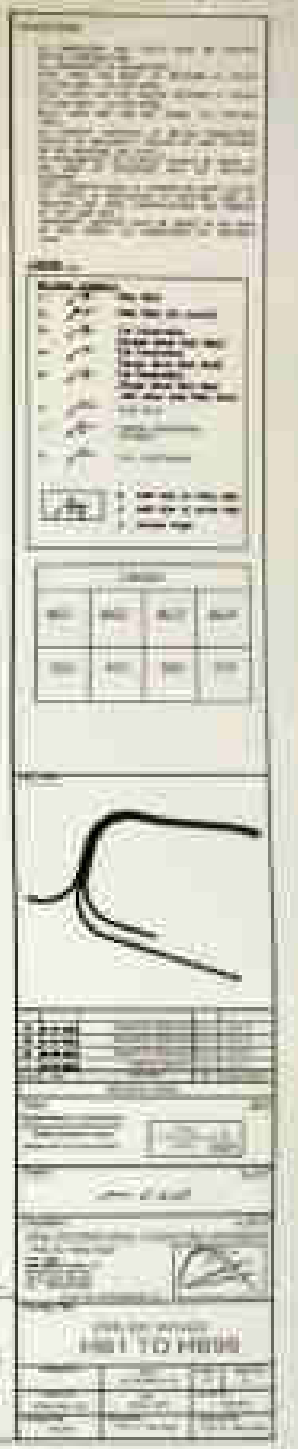


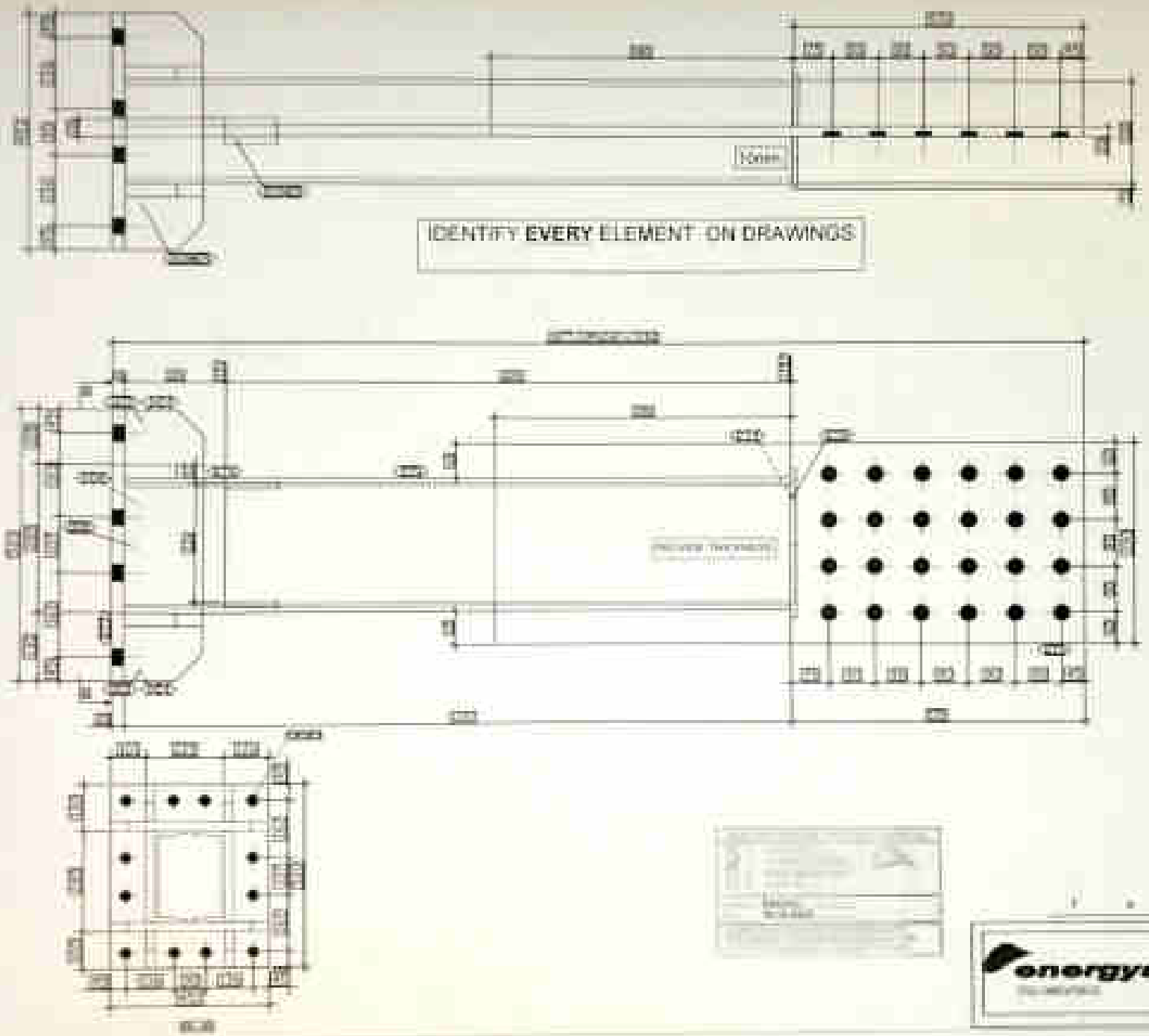


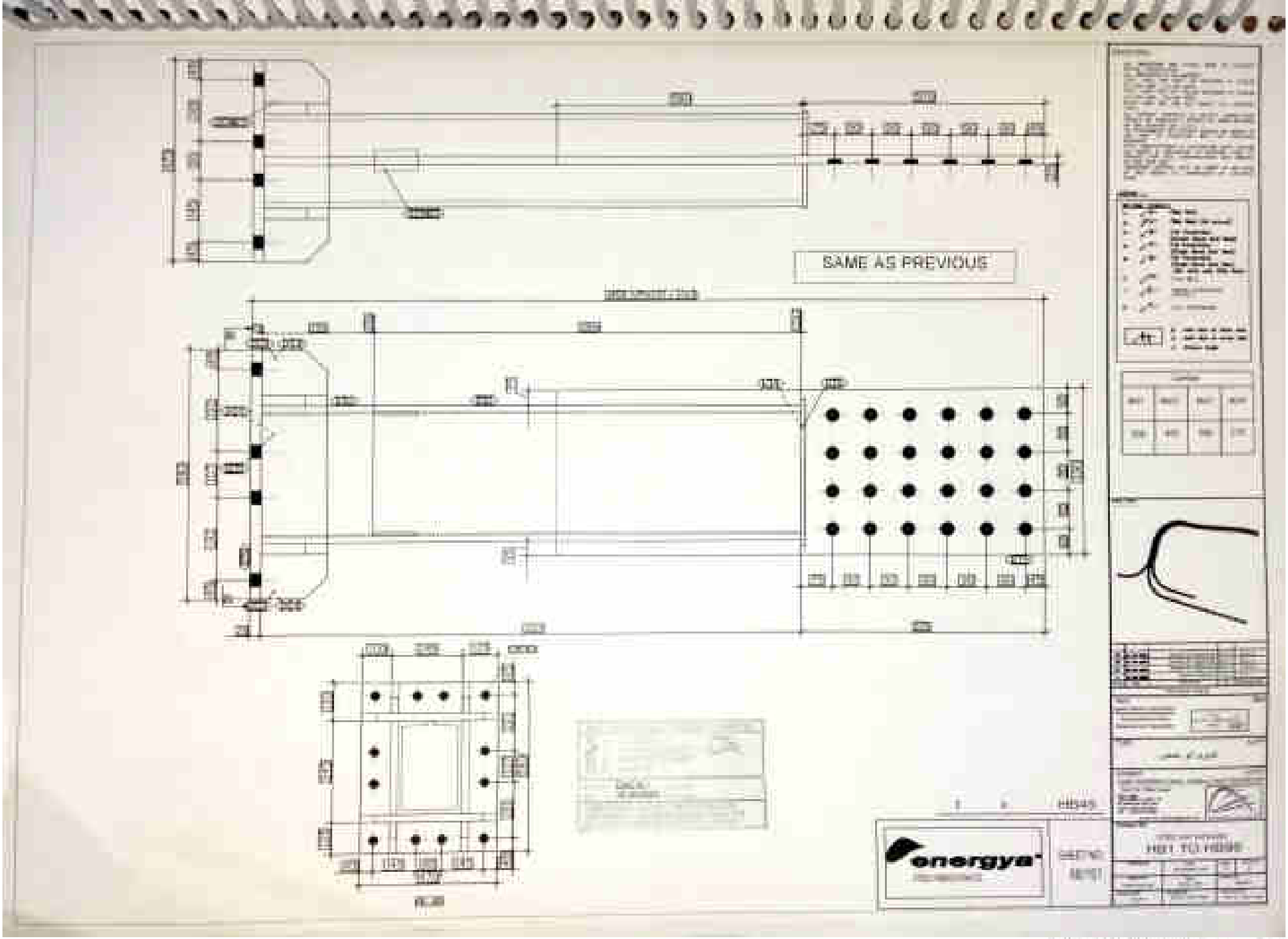


IDENTIFY **EVERY** ELEMENT ON DRAWINGS

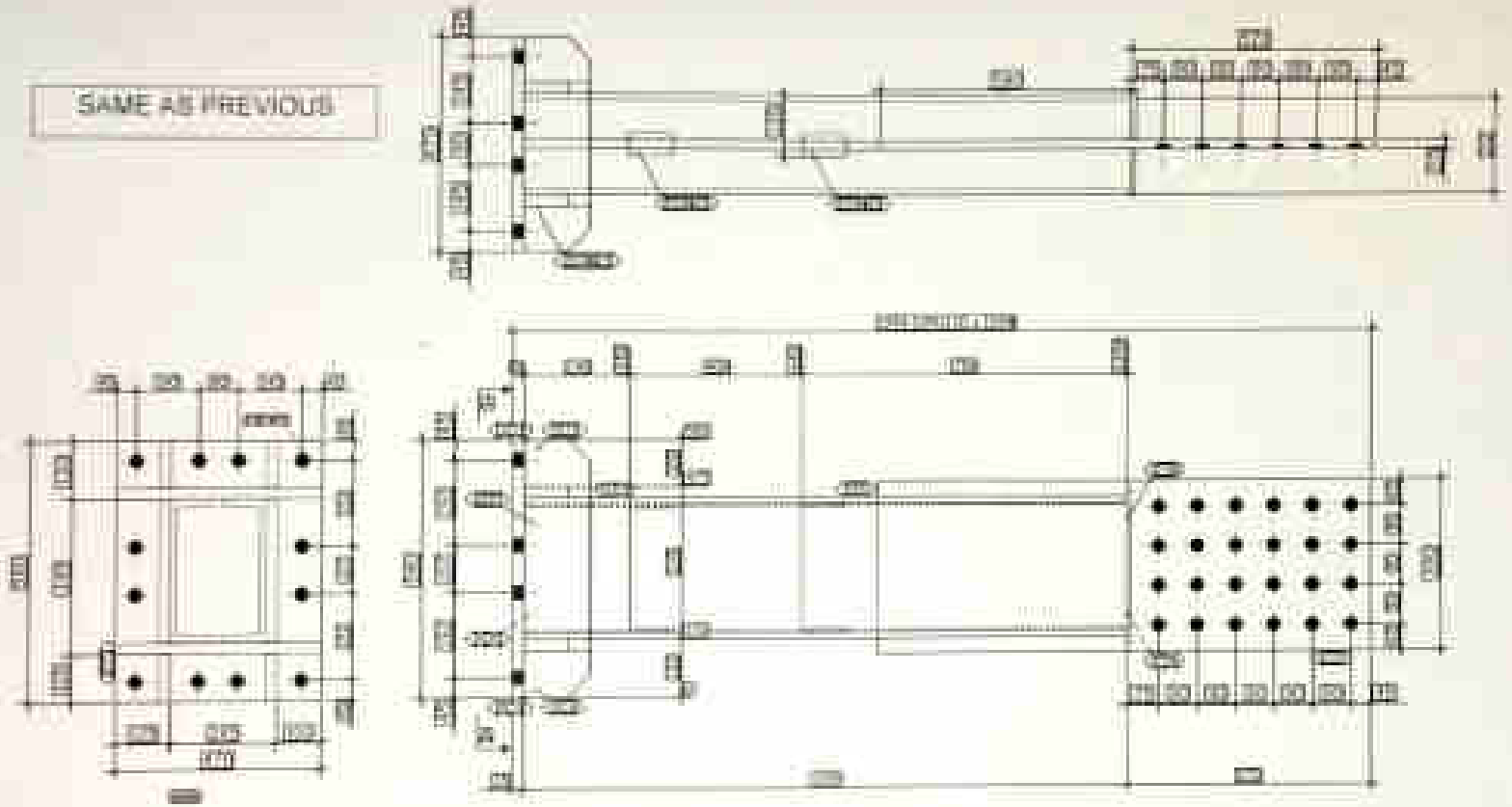


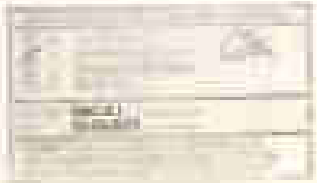


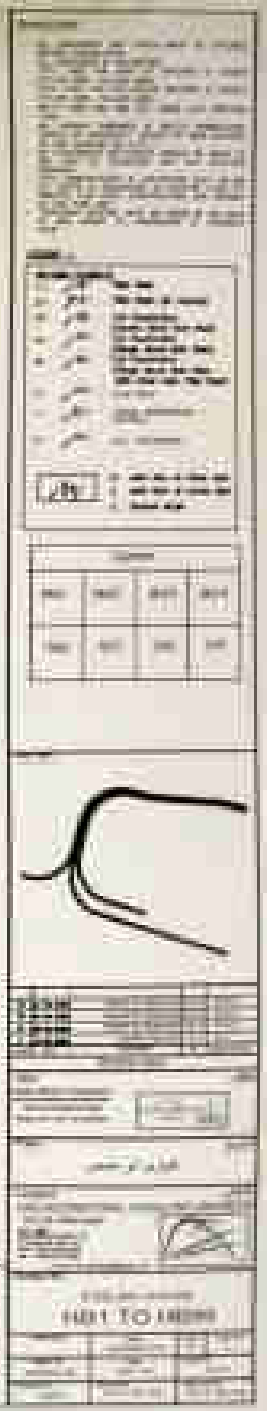




SAME AS PREVIOUS







[illegible]
[illegible]
[illegible]

[illegible]

بيان الأعمال والمستحقين رقم : [illegible] إجمالي

[illegible] : [illegible] مركز أبو عميص الطولي

رقم البند وبيانه : (مستحق ٢٢٪)	بالمطلوبة بطارة فرق أوبلش لحمولة أكثر من ... ٥ طن لرفع الكسر المعدني بقلب الاستخدام أوبلش حمولة ... ١٢ طن و ... ٨ طن بإجمالي كمية : ٤٨ طن وإلقاء بقلب لحمولة ٢٢٪ إلى منتصف المسافة لوجود الطريق لزيادة وعمق السلطة الجديد

[illegible] شركة : [illegible] العامة للطرق والكباري

الكمية والمطلوبة			٦ مقدار العمل السابق			
بيان الأعمال بالمطلوبة	المواقع الكيلومترية من	إلى	الإجمالي صار طول		العدد	الإجمالي م
بالمطلوبة بطارة فرق أوبلش لحمولة أكثر من ... ٥ طن لرفع الكسر المعدني بقلب الاستخدام أوبلش حمولة ... ١٢ طن و ... ٨ طن بإجمالي كمية : ٤٨ طن (ربع بالكيلو السلطة الجديد)			بالعدد		٢	٢
بالمطلوبة بطارة فرق أوبلش لحمولة أكثر من ... ٥ طن لرفع الكسر المعدني بقلب الاستخدام أوبلش حمولة ... ١٢ طن و ... ٨ طن بإجمالي كمية : ٤٨ طن (ربع بالكيلو الزائد)			بالعدد		٢	٢
الإجمالي						٢

[illegible]

[illegible] ٢

[illegible]

[illegible] ٢

[illegible] ٢

عن الشركة | عن الاستشاري | عن الهيئة