

MINISTRY OF INTERIOR



PROJECT : police station model

location : TRIPOLI / HAI ANDALUSIA

PROJECT OFFICE

mail (projectoffice14@gmail.com)

T.EL + FAX 00218214905501



MINISTRY OF INTERIOR



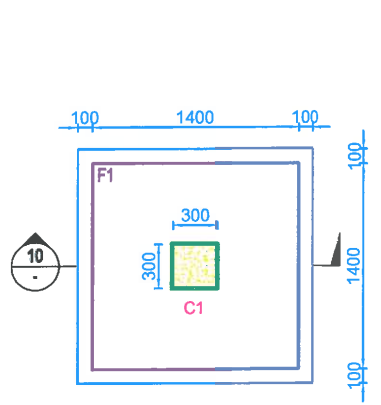
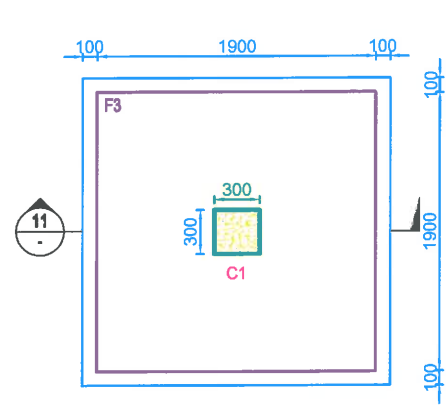
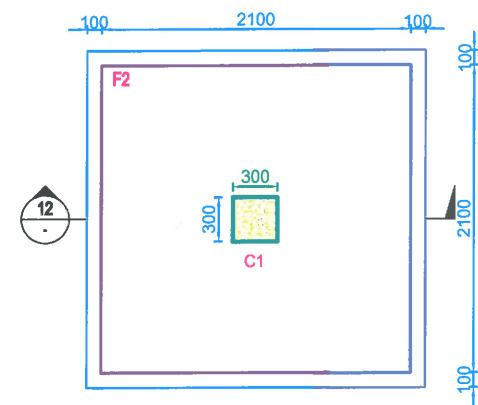
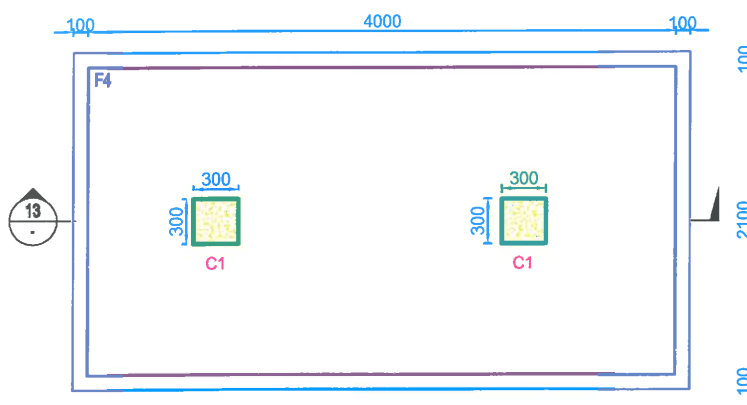
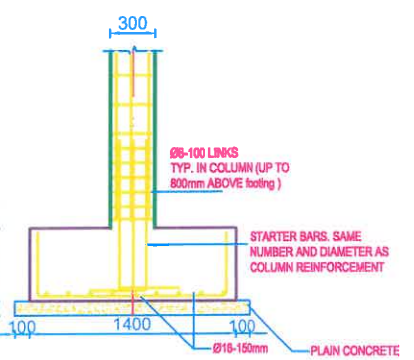
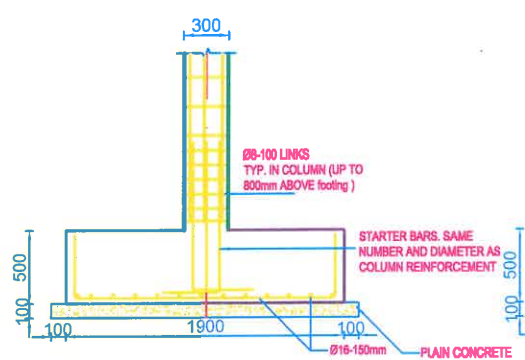
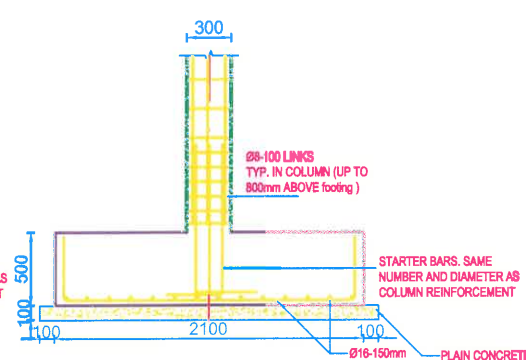
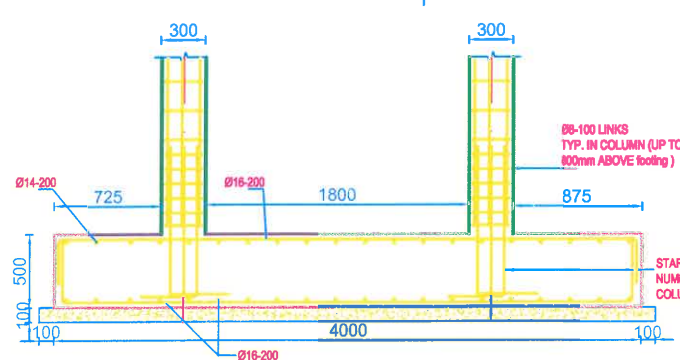
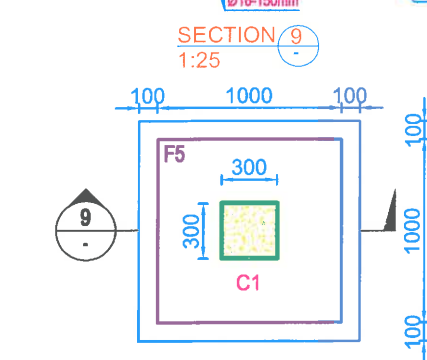
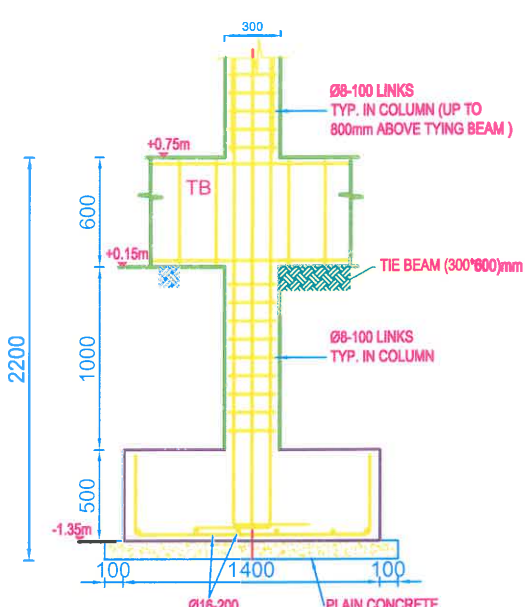
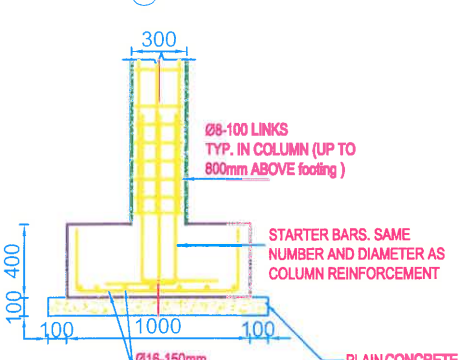
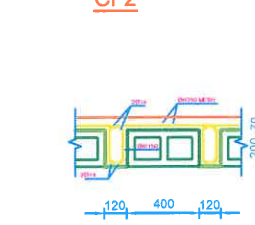
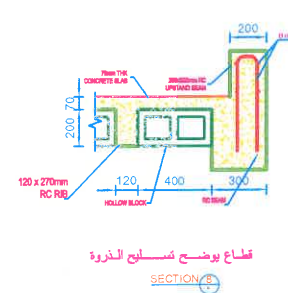
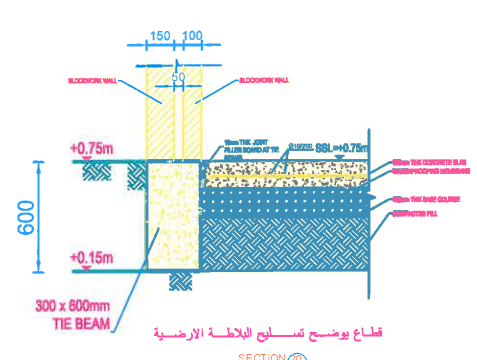
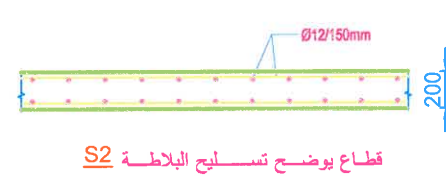
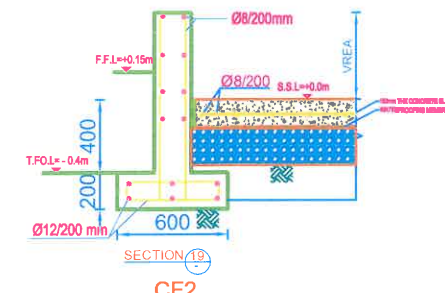
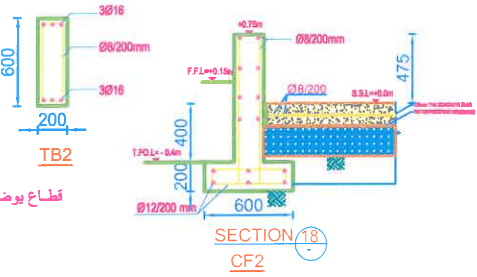
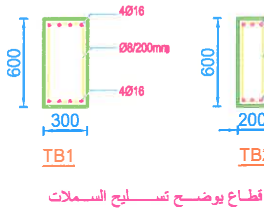
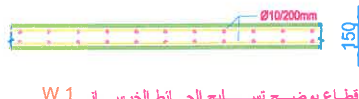
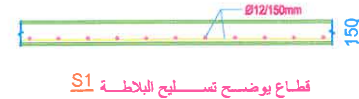
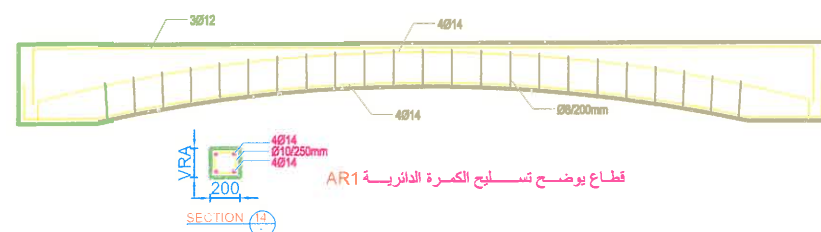
DOCUMENTATION

CONTENT LIST

Building A RCHITECTURAL

Building A STRUCTURAL

- 1 General Notes
- 2 FOUNDATION & COLUMN PLAN
- 3 FOUNDATION & SLABS SECTIONS
- 4 GROUND BEAMS PLAN
- 5 GROUND FLOOR SLABS & BEAMS PLAN
- 6 FIRST FLOOR SLABS & BEAMS PLAN
- 7 ROOF SLABS & BEAMS PLAN
- 8 BASEMENT SLAB REINFORCEMENT PLAN
- 9 BEAMS & COLUMNS REINFORCEMENT SECTION



NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS AND THE SPECIFICATIONS.
- FOR THE PURPOSES OF CONSTRUCTION ALL DRAWINGS MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
- LEVEL DATUMS TO BE CONFIRMED BY THE ARCHITECT DRAWINGS.
- CONCRETE GRADE FOR SUBSTRUCTURE ELEMENTS TO BE C30.
- CHARACTERISTIC STRENGTH OF REINFORCEMENT f_y TO BE 350 N/mm².
- ALL BEAMS, COLUMNS AND FOUNDATIONS ON CENTERS OF GRID LINES U.N.O.
- ASSUMED THE BEARING CAPACITY FOR FOUNDATION DESIGN IS 180 KN/m².
- CONCRETE COVER FOR THE STRUCTURAL ELEMENTS TO BE :-

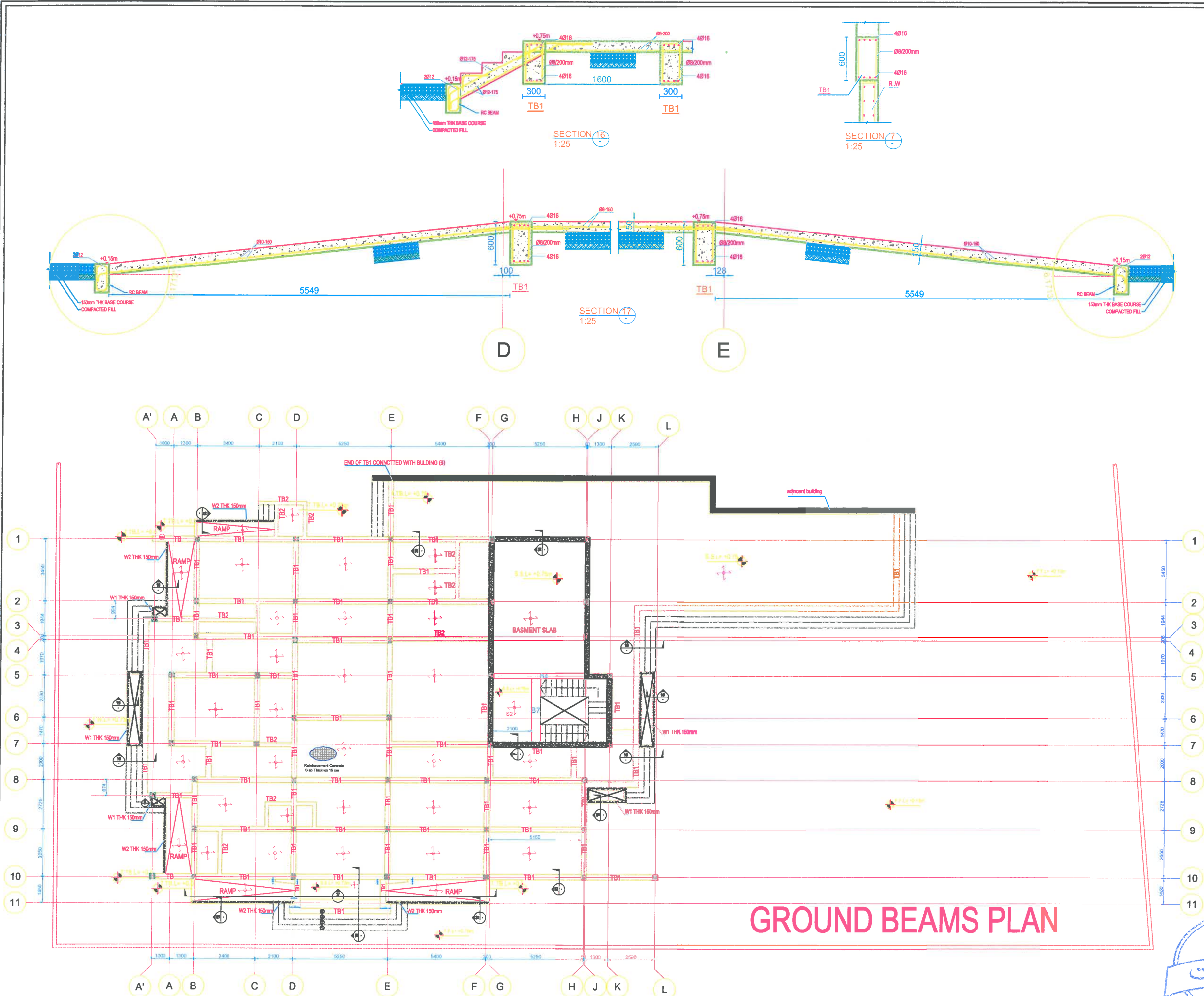
- FOUNDATION	50mm
- COLUMNS	30mm
- BEAMS	30mm
- SLABS	25mm



الرسومات الإنشائية STRUCTURAL DRAWINGS

اسم المشروع
تصميم مركز شرطة - حي الأندلس.
المبنى (A)

اسم اللوحة		اسم اللوحة	
FOUNDATION & SLAB SECTION		FOUNDATION & SLAB SECTION	
رسم المشروع	90072	رسم المشروع	90072
مقياس الرسم	1:100	مقياس الرسم	1:100
التاريخ		التاريخ	
الإعداد	رسم الهندسة	الإعداد	رسم الهندسة
	ST-03		ST-03
	00		00



- NOTES:
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS AND THE SPECIFICATIONS.
 - FOR THE PURPOSES OF CONSTRUCTION ALL DRAWINGS MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
 - LEVEL DATUMS TO BE CONFIRMED BY THE ARCHITECT DRAWINGS.
 - CONCRETE GRADE FOR SUBSTRUCTURE ELEMENTS TO BE C30.
 - CHARACTERISTIC STRENGTH OF REINFORCEMENT f_y TO BE 350 N/mm².
 - ALL BEAMS, COLUMNS AND FOUNDATIONS ON CENTERS OF GRID LINES U.N.O.
 - ASSUMED THE BEARING CAPACITY FOR FOUNDATION DESIGN IS 180 KN/m².
 - CONCRETE COVER FOR THE STRUCTURAL ELEMENTS TO BE :-
 - FOUNDATION 50mm
 - COLUMNS 30mm
 - BEAMS 30mm
 - SLABS 25mm

LEGEND:

- INDICATES 150mm THK RC SLAB
- INDICATES 270mm THK HOLLOW POT RIBBED RC SLAB

TIE BEAMS SCHEDULE	
REF.	BEAM SIZE
TB1	300mm x 600mm
TB2	200mm x 600mm
TB3	200mm x 600mm
W1	150mm x 600mm
W2	150mm x VARIABLE

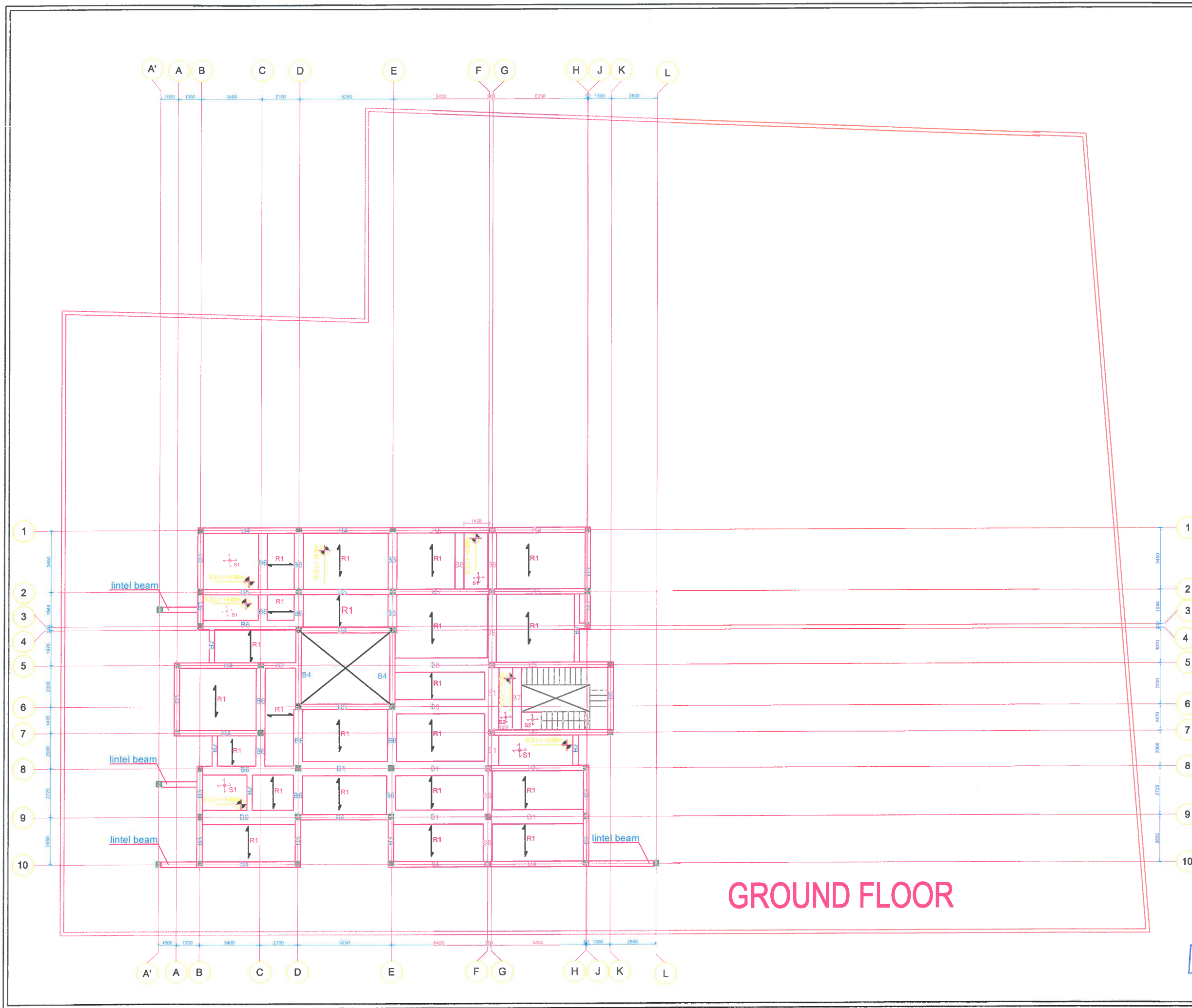
T.TB.L = TOP TIE BEAM LEVEL
T.F.O.L = TOP FOOTING LEVEL
S.S.L = SOLID SLAB LEVEL
R.S.L = RIBBED SLAB LEVEL
T.W.L = TOP WALL LEVEL

الرسومات الإنشائية
STRUCTURAL DRAWINGS

اسم المشروع
تصميم مركز شرطة - حي الأطلس.
المبنى (A)

اسم اللوحة
المسقط الأفقي للمباني
GROUND BEAMS PLAN

رقم المشروع	80072
مقياس الرسم	1:100
اسم المصمم	شركة المشرفات
اسم المهندس	ST-04
رقم الإصدار	00



- NOTES:
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS AND THE SPECIFICATIONS.
 2. FOR THE PURPOSES OF CONSTRUCTION ALL DRAWINGS MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
 3. LEVEL DATUMS TO BE CONFIRMED BY THE ARCHITECT DRAWINGS.
 4. CONCRETE GRADE FOR SUBSTRUCTURE ELEMENTS TO BE C30.
 5. CHARACTERISTIC STRENGTH OF REINFORCEMENT f_y TO BE 360 N/mm².
 6. ALL BEAMS, COLUMNS AND FOUNDATIONS ON CENTERS OF GRID LINES U.N.O.
 7. ASSUMED THE BEARING CAPACITY FOR FOUNDATION DESIGN IS 180 KN/m².
 8. CONCRETE COVER FOR THE STRUCTURAL ELEMENTS TO BE :-
 - FOUNDATION 50mm
 - COLUMNS 30mm
 - BEAMS 30mm
 - SLABS 25mm

BEAM SCHEDULE		
REF.	BEAM SIZE	SECTION
B1	800mm x 270mm	
B2	300mm x 270mm	
B3	300mm x 500mm	
B4	300mm x 500mm	
B5	300mm x 600mm	
B6	500mm x 270mm	
B7	500mm x 150mm	
B8	800mm x 270mm	

LEGEND:

- INDICATES 150mm THK RC SLAB

- INDICATES 270mm THK HOLLOW POT RIBBED RC SLAB

T.TB.L = TOP TIE BEAM LEVEL
T.F.O.L = TOP FOOTING LEVEL
S.S.L = SOLID SLAB LEVEL
R.S.L = RIBBED SLAB LEVEL

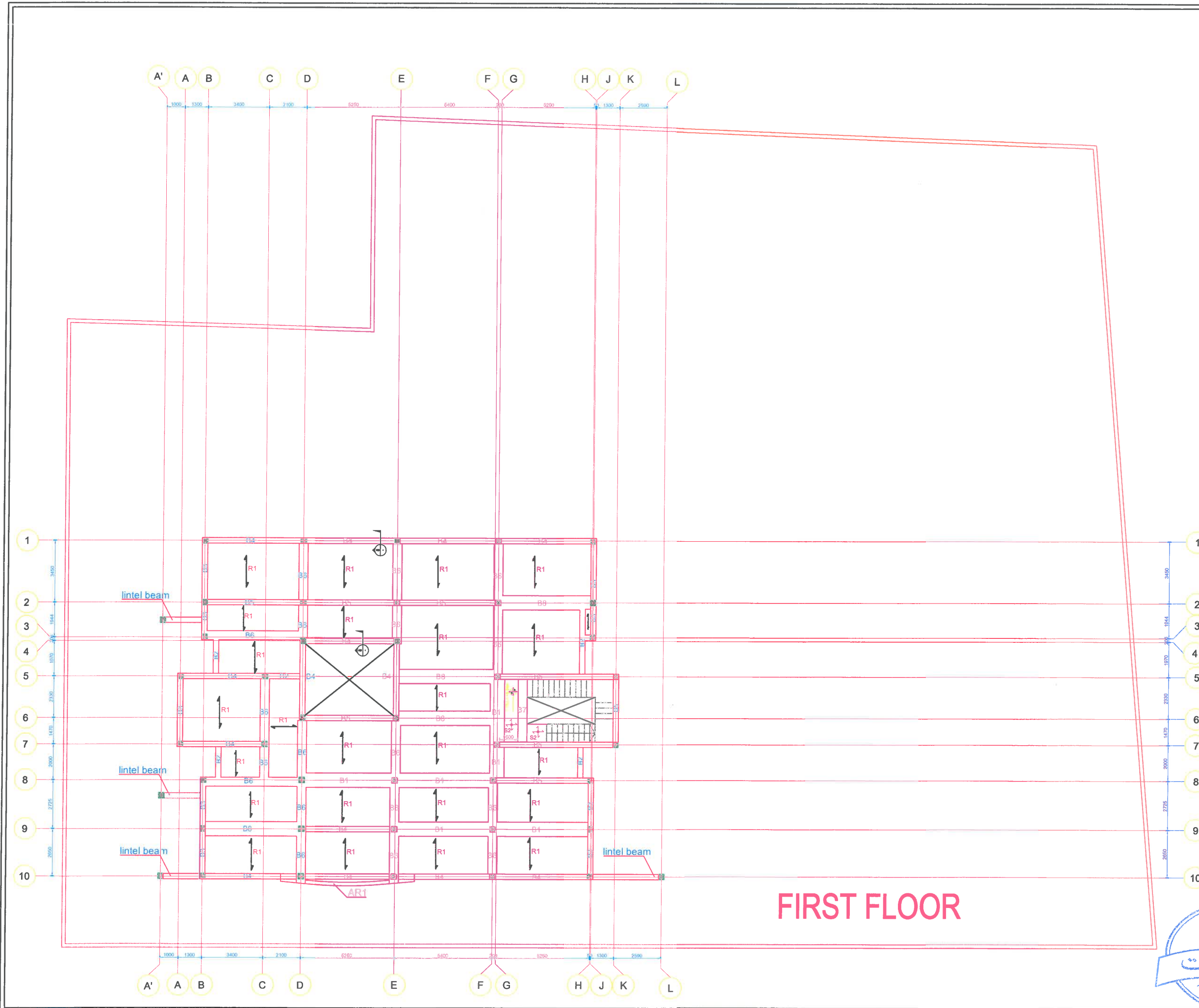
KEY PLAN

الرسومات الإنشائية
STRUCTURAL DRAWINGS

اسم المشروع
تصميم مركز شرطة - حي الأندلس.
المبنى (A)

اسم اللوحة المسقط الأفقي للمبني والكميات بالخطائق الأرضي
GROUND FLOOR SLABS & BEAMS PLAN

CLIENT: 1	رقم المشروع 90072
اسم العميل	مقياس الرسم 1:100
التاريخ	رقم الورقة ST-05
الإصدار 00	



NOTES:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS AND THE SPECIFICATIONS.
2. FOR THE PURPOSES OF CONSTRUCTION ALL DRAWINGS MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
3. LEVEL DATUMS TO BE CONFIRMED BY THE ARCHITECT DRAWINGS.
4. CONCRETE GRADE FOR SUBSTRUCTURE ELEMENTS TO BE C30.
5. CHARACTERISTIC STRENGTH OF REINFORCEMENT f_y TO BE 350 N/mm².
6. ALL BEAMS, COLUMNS AND FOUNDATIONS ON CENTERS OF GRID LINES U.N.O.
7. ASSUMED THE BEARING CAPACITY FOR FOUNDATION DESIGN IS 180 KN/m².
8. CONCRETE COVER FOR THE STRUCTURAL ELEMENTS TO BE :-
 - FOUNDATION 50mm
 - COLUMNS 30mm
 - BEAMS 30mm
 - SLABS 25mm

BEAM SCHEDULE

REF.	BEAM SIZE	SECTION
B1	800mm x 270mm	
B2	300mm x 270mm	
B3	300mm x 500mm	
B4	300mm x 500mm	
B5	300mm x 600mm	
B6	500mm x 270mm	
B7	500mm x 150mm	
B8	800mm x 270mm	

LEGEND:

- INDICATES 150mm THK RC SLAB
- INDICATES 270mm THK HOLLOW POT RIBBED RC SLAB

KEY PLAN

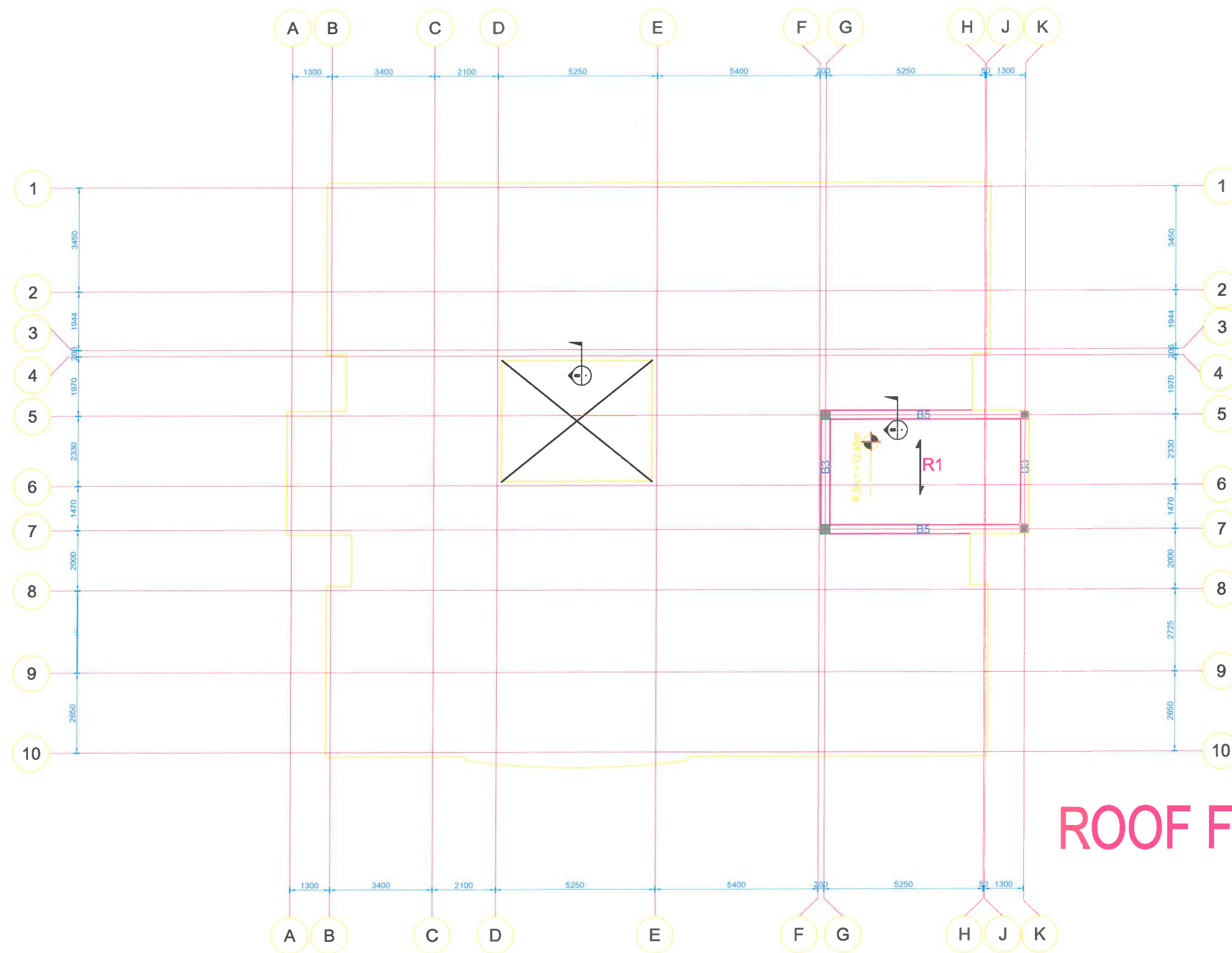


الرسومات الإنشائية
STRUCTURAL DRAWINGS

اسم المشروع
تصميم مركز شرطة - حي الأندلس.
المبنى (A)

اسم اللوحة المسقط الأفقي للأسقف والكمرات بالطابق الأول
FIRST FLOOR SLABS & BEAMS PLAN

رقم المشروع	50072
مقياس الرسم	1:100
الاسم	مكتب الدراسات
رسم الإعداد	ST-06
رقم الإصدار	00



NOTES:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS AND THE SPECIFICATIONS.
2. FOR THE PURPOSES OF CONSTRUCTION ALL DRAWINGS MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
3. LEVEL DATUMS TO BE CONFIRMED BY THE ARCHITECT DRAWINGS.
4. CONCRETE GRADE FOR SUBSTRUCTURE ELEMENTS TO BE C30.
5. CHARACTERISTIC STRENGTH OF REINFORCEMENT f_y TO BE 350 N/mm².
6. ALL BEAMS, COLUMNS AND FOUNDATIONS ON CENTERS OF GRID LINES U.N.O.
7. ASSUMED THE BEARING CAPACITY FOR FOUNDATION DESIGN IS 180 kN/m².
8. CONCRETE COVER FOR THE STRUCTURAL ELEMENTS TO BE :-

- FOUNDATION	50mm
- COLUMNS	30mm
- BEAMS	30mm
- SLABS	25mm

T.TB.L = TOP TIE BEAM LEVEL
 T.FO.L = TOP FOOTING LEVEL
 S.S.L = SOLID SLAB LEVEL
 R.S.L = RIBBED SLAB LEVEL



الرسومات الإنشائية
 STRUCTURAL DRAWINGS

اسم المشروع

تصميم مركز شرطة - حي الأندلس.
 المبني (A)

اسم اللوحة المسقط الأفقي للأسقف والكمرات بالسطح
 ROOF SLABS & BEAMS PLAN

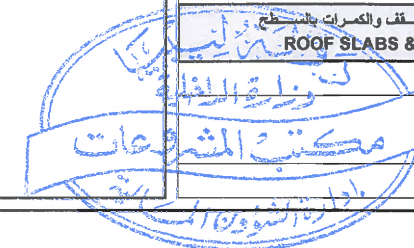
رقم المشروع 80072

مقياس الرسم 1:75

الاسم

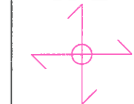
رقم الورقة الإصدار

ST-07 00



- NOTES:
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 - LEVEL DATUMS TO BE CONFIRMED BY THE ARCHITECT DRAWINGS.
 - CONCRETE GRADE FOR SUBSTRUCTURE ELEMENTS TO BE C30.
 - CHARACTERISTIC STRENGTH OF REINFORCEMENT f_y TO BE 350 N/mm².
 - ALL BEAMS, COLUMNS AND FOUNDATIONS ON CENTERS OF GRID LINES U.N.O.
 - ASSUMED THE BEARING CAPACITY FOR FOUNDATION DESIGN IS 180 KVM².
 - CONCRETE COVER FOR THE STRUCTURAL ELEMENTS TO BE :-
 - FOUNDATION 50mm
 - COLUMNS 30mm
 - BEAMS 30mm
 - SLABS 25mm

LEGEND:



- INDICATES 150mm THK RC SLAB



- INDICATES 270mm THK HOLLOW POT RIBBED RC SLAB

T.TB.L = TOP TIE BEAM LEVEL
T.F.O.L = TOP FOOTING LEVEL
S.S.L = SOLID SLAB LEVEL
R.S.L = RIBBED SLAB LEVEL

الرسومات الإنشائية
STRUCTURAL DRAWINGS

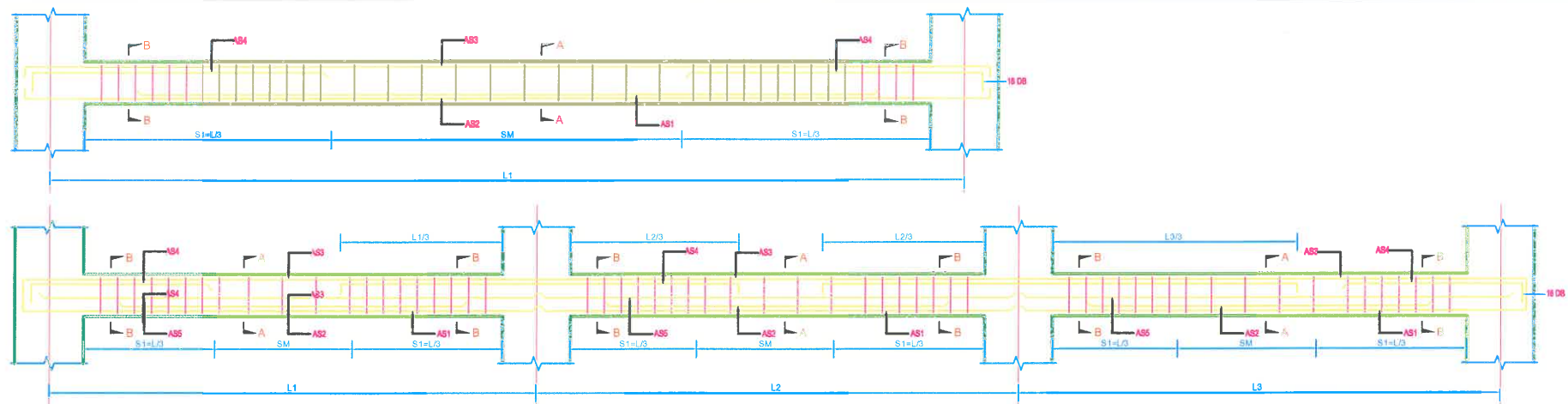


اسم المشروع
تصميم مركز شرطة - حي الأندلس.
المبنى (A)

اسم اللوحة
مخطط أفقي يوضح تمثيل بلاطة الطابق تحت الأرضي
BASEMENT SLAB REINFORCEMENT PLAN

رقم المشروع	90072	اسم المصمم	1:50
اسم المصمم	الشيخ	اسم المصمم	الشيخ
اسم المصمم	الشيخ	اسم المصمم	الشيخ





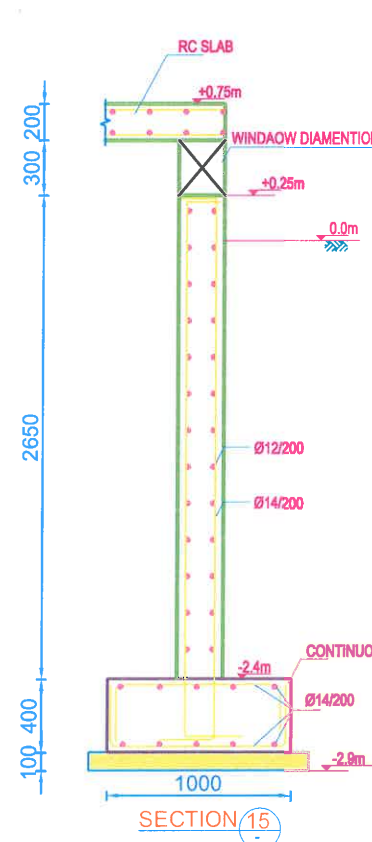
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 3. LEVEL DATUMS TO BE CONFIRMED BY THE ARCHITECT DRAWINGS.
 4. CONCRETE GRADE FOR SUBSTRUCTURE ELEMENTS TO BE C30.
 5. CHARACTERISTIC STRENGTH OF REINFORCEMENT f_y TO BE 350 N/mm².
 6. ALL BEAMS, COLUMNS AND FOUNDATIONS ON CENTERS OF GRID LINES U.N.O.
 7. ASSUMED THE BEARING CAPACITY FOR FOUNDATION DESIGN IS 180 KN/m².
 8. CONCRETE COVER FOR THE STRUCTURAL ELEMENTS TO BE :-
 - FOUNDATION 50mm
 - COLUMNS 30mm
 - BEAMS 30mm
 - SLABS 25mm

قطاعات توضيح تسليح الكمرات

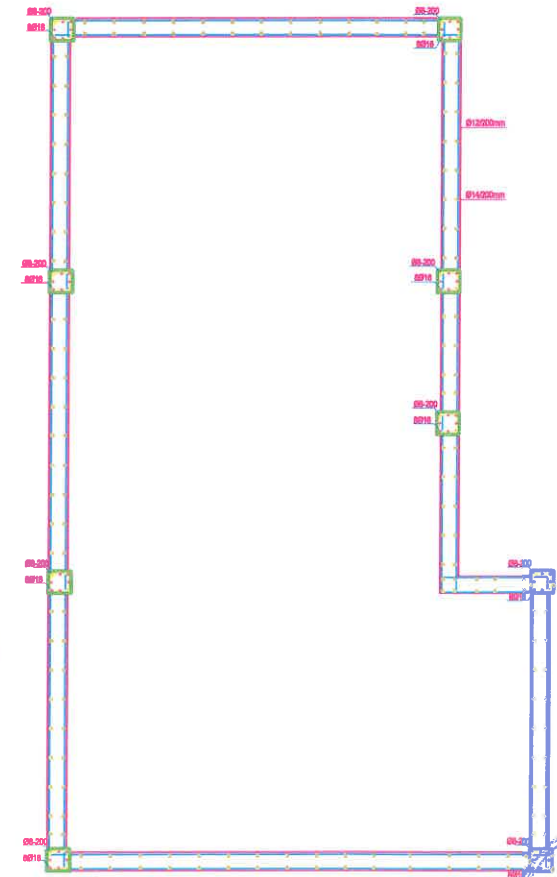
BEAM No.	A-A		B-B	
	Sec Of Beam	Details Of stirrups	Sec Of Column	Details Of Stirrups
B1				
B2				
B3				
B4				
B5				
B6				
B7				
B8				

جدول يوضح تسليح الكمرات

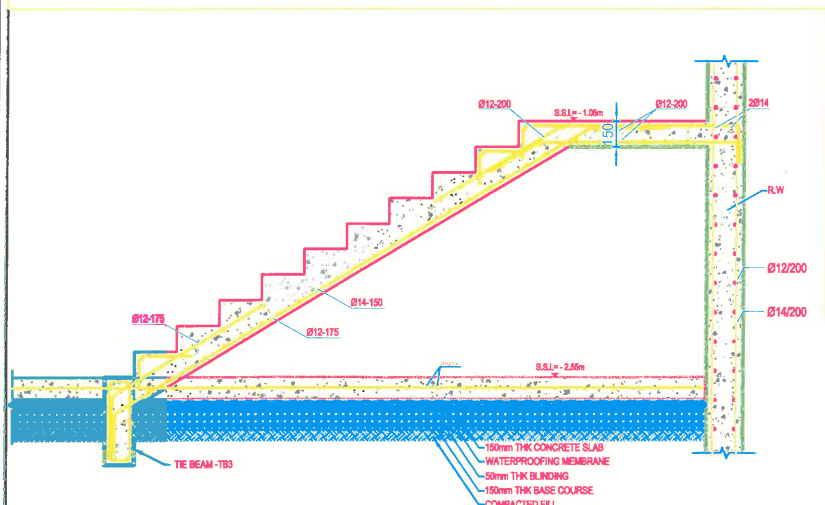
TIE BEAM No.	Section (mm)		BOTTOM-REINFORCEMENT		TOP-REINFORCEMENT		REINFORCEMENT	
	B	H	BOTTOM AS1	EXTRA BOTTOM AS2	TOP AS3	EXTRA TOP AS4	Edg strups S1	Mid strups SM
B1	800	270	7Ø16	2Ø16	7Ø16	4Ø16	Ø8/100	Ø8/150
B2	300	270	4Ø14	---	4Ø14	---	Ø8/200	Ø8/200
B3	300	500	4Ø16	---	2Ø16	2Ø16	Ø8/200	Ø8/200
B4	300	500	3Ø16	2Ø16	3Ø16	2Ø16	Ø8/150	Ø8/200
B5	300	600	3Ø16	4Ø16	3Ø16	4Ø16	Ø8/100	Ø8/150
B6	500	270	4Ø16	2Ø16	4Ø16	2Ø16	Ø8/150	Ø8/200
B7	500	150	4Ø16	---	4Ø16	---	Ø8/150	Ø8/200
B8	800	270	7Ø16	2Ø16	7Ø16	7Ø16	Ø8/150	Ø8/200



قطاع رأسي يوضح تسليح الحائط الأساس والعمود المستمرة (CF1)
مقياس الرسم 20:1



مسقط أفقي يوضح تسليح الحائط الأساس والعمود المستمرة (CF1)
مقياس الرسم 50:1



Column No.	Sec Of Column	Details Of Stirrups
C1	Ø300 8Ø16	

الرسومات الإنشائية
STRUCTURAL DRAWINGS

اسم المشروع
تصميم مركز شرطة - حي الأندلس.
المبنى (A)

اسم اللوحة
قطاعات توضيح حديد التسليح للكمات والأعمدة والحائط الأساس
BEAMS & COLUMNS REINFORCEMENT SECTION

رقم المشروع	S0072
مهندس الرسم	N.T.S
مستشار	
الإصدار	00
رقم الورقة	ST-09
الإحداثيات	

MINISTRY OF INTERIOR

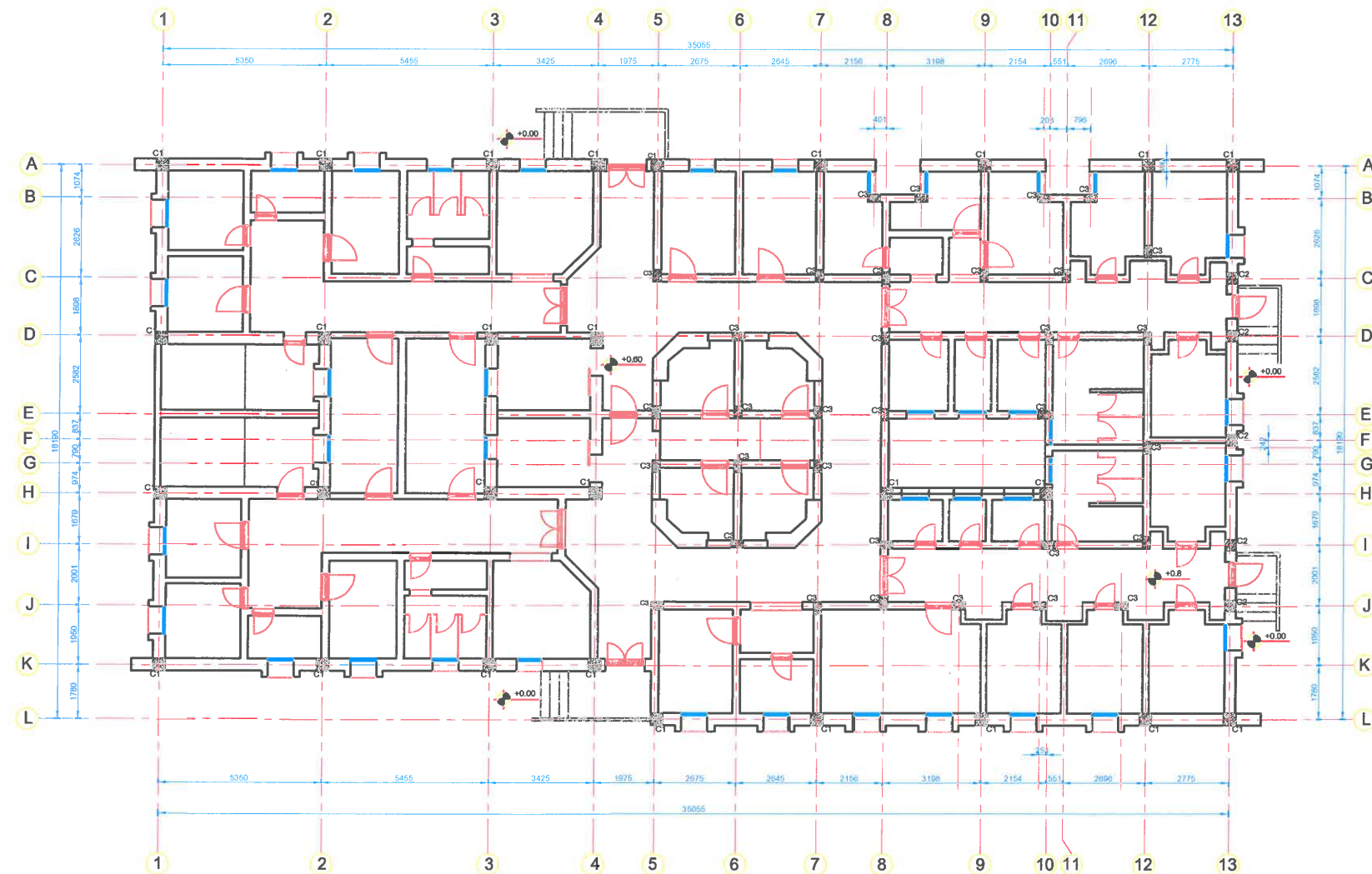


DOCUMENTATION

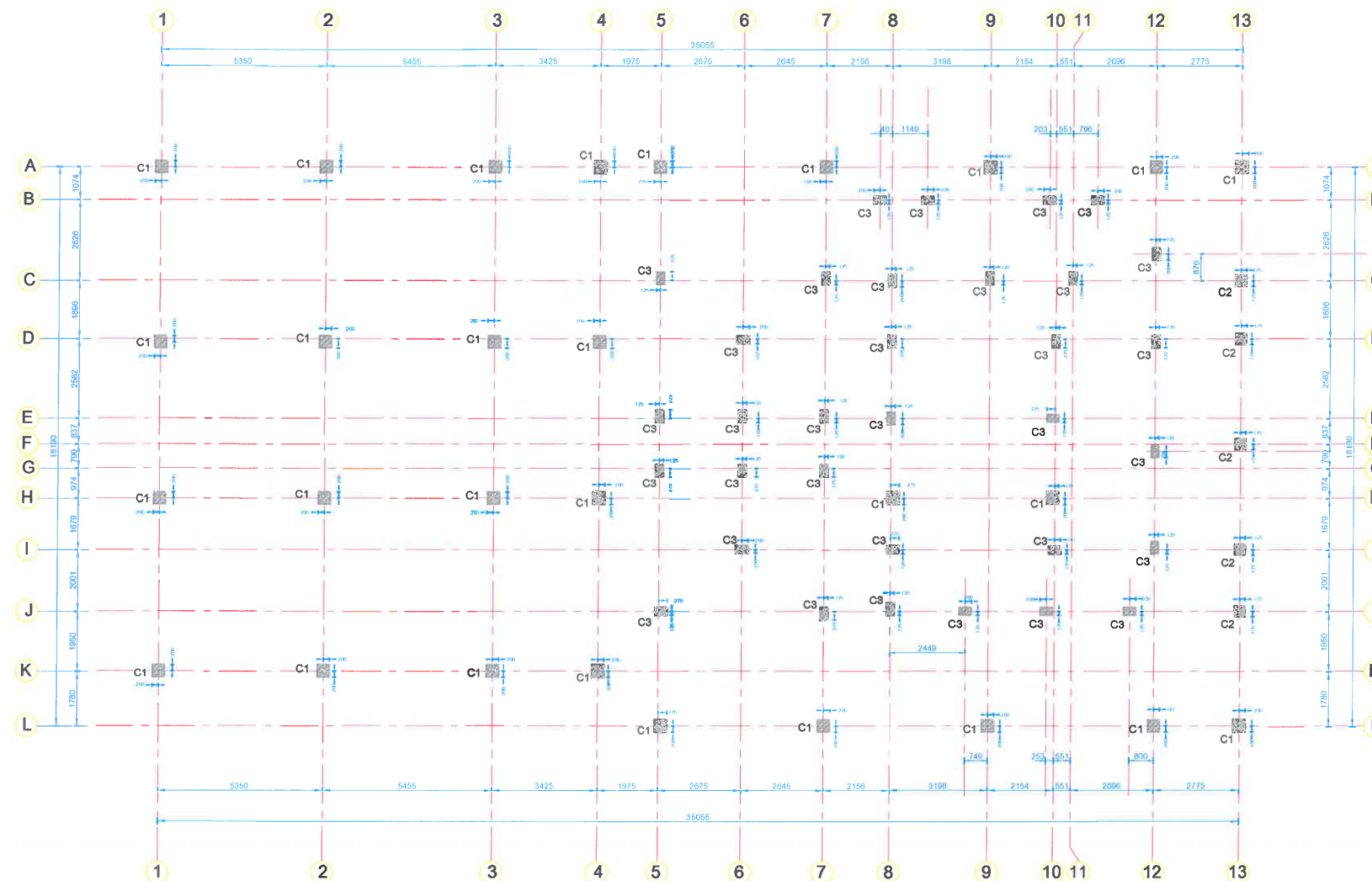
CONTENT LIST

Building B STRUCTURAL

- 1 BUILDING PLAN WITH COLUMNS
- 2 COLUMNS PLAN
- 3 FOUNDATION & COLUMNS PLAN
- 4 GROUND BEAMS PLAN
- 5 ROOF PLAN
- 6 ROOF SLAB & BEAMS PLAN
- FOUNDATION, SLAB AND COLUMNS REINFORCEMENT
- 7 DETAILS
- 8 BEAMS REINFORCEMENT SECTION



KEY PLAN N 		الرسومات الإنشائية STRUCTURAL DRAWINGS	
اسم المشروع تصميم مركز شرطة - حي الأندلس. المبنى (B)			
اسم اللوحة المسقط الأفقي للمبنى (موضح عليه الأعمدة) BUILDING PLAN WITH COLUMNS			
رقم المشروع	S0072	مقياس الرسم	1:100
التاريخ		رسم	
الإعداد	ST-01	رقم الورقة	00



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- LEVEL DATUMS TO BE CONFIRMED BY THE ARCHITECT DRAWINGS.
- CONCRETE GRADE FOR SUBSTRUCTURE ELEMENTS TO BE C30.
- CHARACTERISTIC STRENGTH OF REINFORCEMENT f_y TO BE 350 N/mm².
- ALL BEAMS, COLUMNS AND FOUNDATIONS ON CENTERS OF GRID LINES U.N.O.
- ASSUMED BEARING CAPACITY FOR FOUNDATION DESIGN IS 180 KPa/m².
- CONCRETE COVER FOR THE STRUCTURAL ELEMENTS TO BE :-
 - FOUNDATION 50mm
 - COLUMNS 30mm
 - BEAMS 30mm
 - SLABS 25mm
- CENTER LINE OF COLUMNS CONCLUDE WITH THE CENTER LINE OF FOOTING

COLUMN SCHEDULE

NO	COLUMN SIZE	
	B(mm)	L(mm)
C1	400mm	400mm
C2	350mm	350mm
C3	250mm	400mm



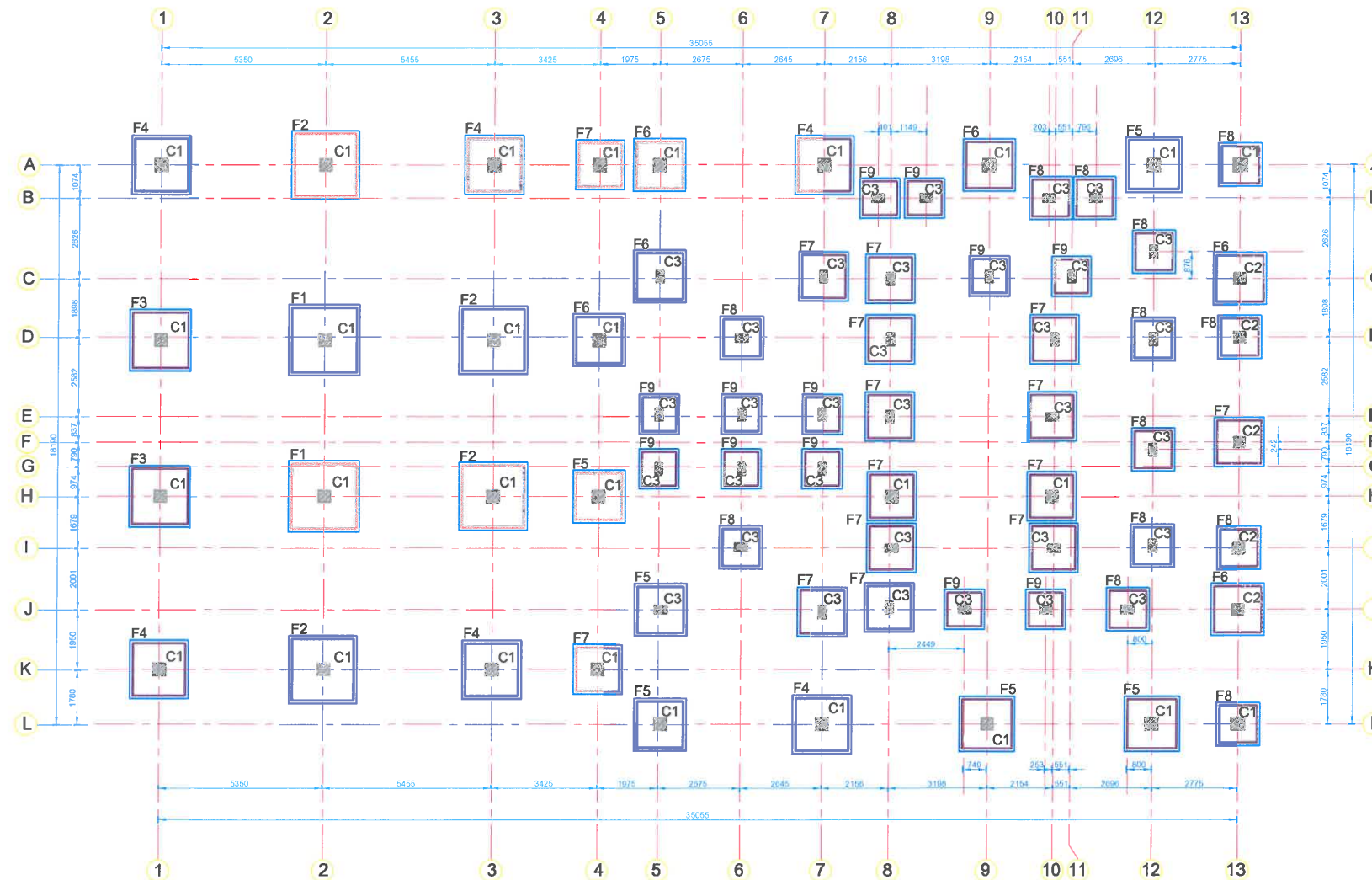
الرسومات الإنشائية
STRUCTURAL DRAWINGS

اسم المشروع
تصميم مركز شرطة - حي الأندلس.
المبنى (B)

اسم اللوحة
لوحة محاور وابعاد الاعمدة
COLUMNS PLAN

رقم المشروع: S0072
مقياس الرسم: 1:100
رقم الصفحة: 00
الإصدار: ST-02





NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS AND THE SPECIFICATIONS.
- FOR THE PURPOSES OF CONSTRUCTION ALL DRAWINGS MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
- LEVEL DATUMS TO BE CONFIRMED BY THE ARCHITECT DRAWINGS.
- CONCRETE GRADE FOR SUBSTRUCTURE ELEMENTS TO BE C30.
- CHARACTERISTIC STRENGTH OF REINFORCEMENT f_y TO BE 350 N/mm².
- ALL BEAMS, COLUMNS AND FOUNDATIONS ON CENTERS OF GRID LINES U.N.O.
- ASSUMED BEARING CAPACITY FOR FOUNDATION DESIGN IS 180 kN/m².
- CONCRETE COVER FOR THE STRUCTURAL ELEMENTS TO BE :-
 - FOUNDATION 50mm
 - COLUMNS 30mm
 - BEAMS 30mm
 - SLABS 25mm
- CENTER LINE OF COLUMNS COINCIDE WITH THE CENTER LINE OF FOOTING



10. FOR DETAILS OF REINFORCEMENT OF FOOTING SEE SHEET No. ST-07

11. FOR AXIS OF COLUMNS SEE SHEET NO ST-02

COLUMN SCHEDULE

NO	COLUMN SIZE	
	B(mm)	L(mm)
C1	400mm	400mm
C2	350mm	350mm
C3	250mm	400mm

FOUNDATION SCHEDULE

NO	FOOTING SIZE
F1	2100mm x 2100mm x 500mm
F2	2000mm x 2000mm x 500mm
F3	1800mm x 1800mm x 400mm
F4	1700mm x 1700mm x 400mm
F5	1600mm x 1600mm x 400mm
F6	1500mm x 1500mm x 400mm
F7	1400mm x 1400mm x 400mm
F8	1200mm x 1200mm x 400mm
F9	1100mm x 1100mm x 400mm



الرسومات الإنشائية
STRUCTURAL DRAWINGS

اسم المشروع

تصميم مركز شرطة - حي الأندلس.

المبنى (B)

اسم اللوحة المسقط الأفقي للأعمدة والقواعد والمجاور الإنشائية
FOUNDATION & COLUMNS PLAN

رقم المشروع

S0072

مقياس الرسم

1:100

رقم الورقة

ST-03

00

NOTES:

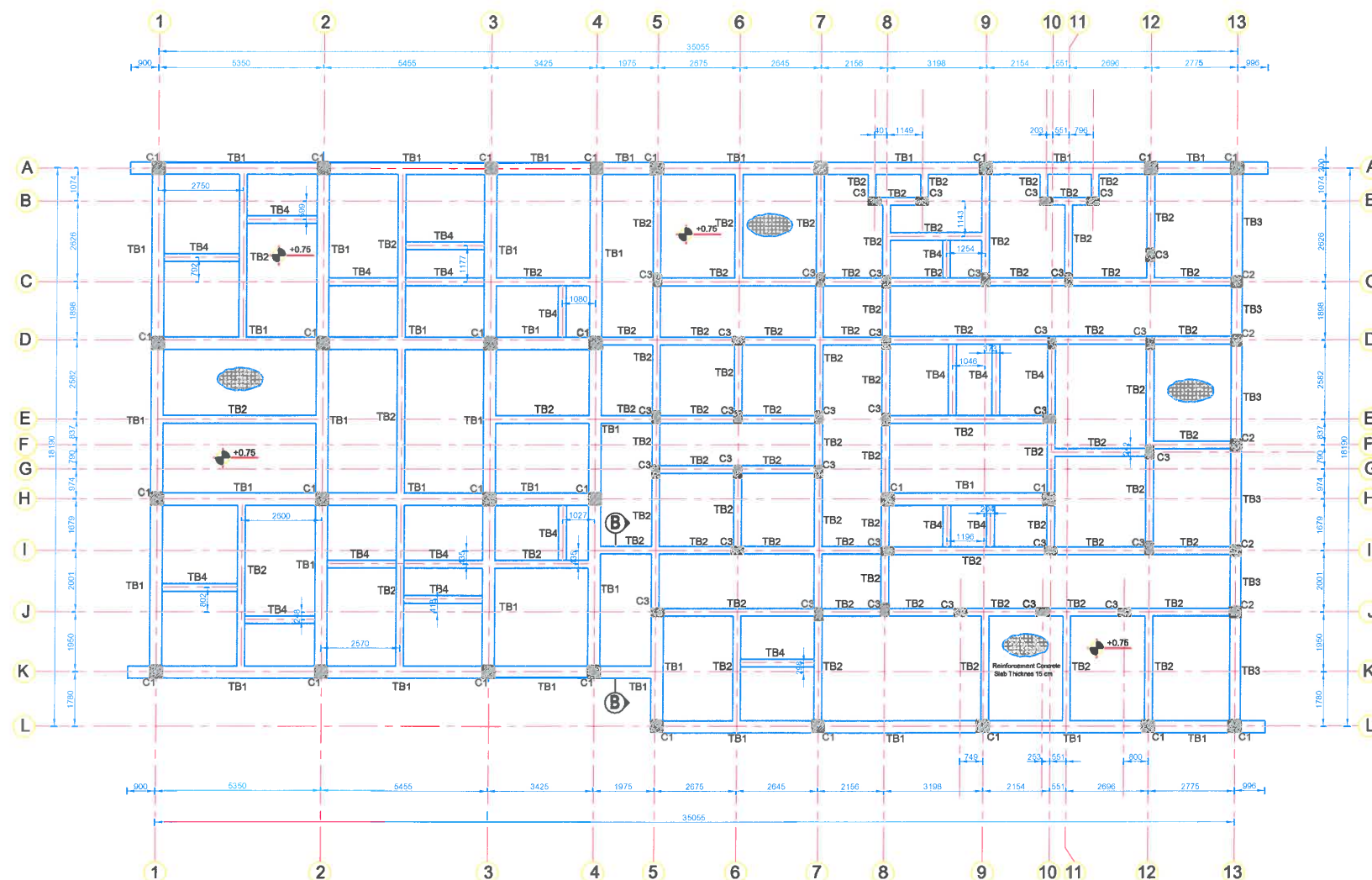
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS AND THE SPECIFICATIONS.
- FOR THE PURPOSES OF CONSTRUCTION ALL DRAWINGS MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
- LEVEL DATUMS TO BE CONFIRMED BY THE ARCHITECT DRAWINGS.
- CONCRETE GRADE FOR SUBSTRUCTURE ELEMENTS TO BE C30.
- CHARACTERISTIC STRENGTH OF REINFORCEMENT f_y TO BE 350 N/mm².
- ALL BEAMS, COLUMNS AND FOUNDATIONS ON CENTERS OF GRID LINES U.N.O.
- ASSUMED BEARING CAPACITY FOR FOUNDATION DESIGN IS 180 KN/m².
- CONCRETE COVER FOR THE STRUCTURAL ELEMENTS TO BE :-
- FOUNDATION 50mm
- COLUMNS 30mm
- BEAMS 30mm
- SLABS 25mm
- CENTER LINE OF COLUMNS COINCIDE WITH THE CENTER LINE OF FOOTING

TIE BEAMS

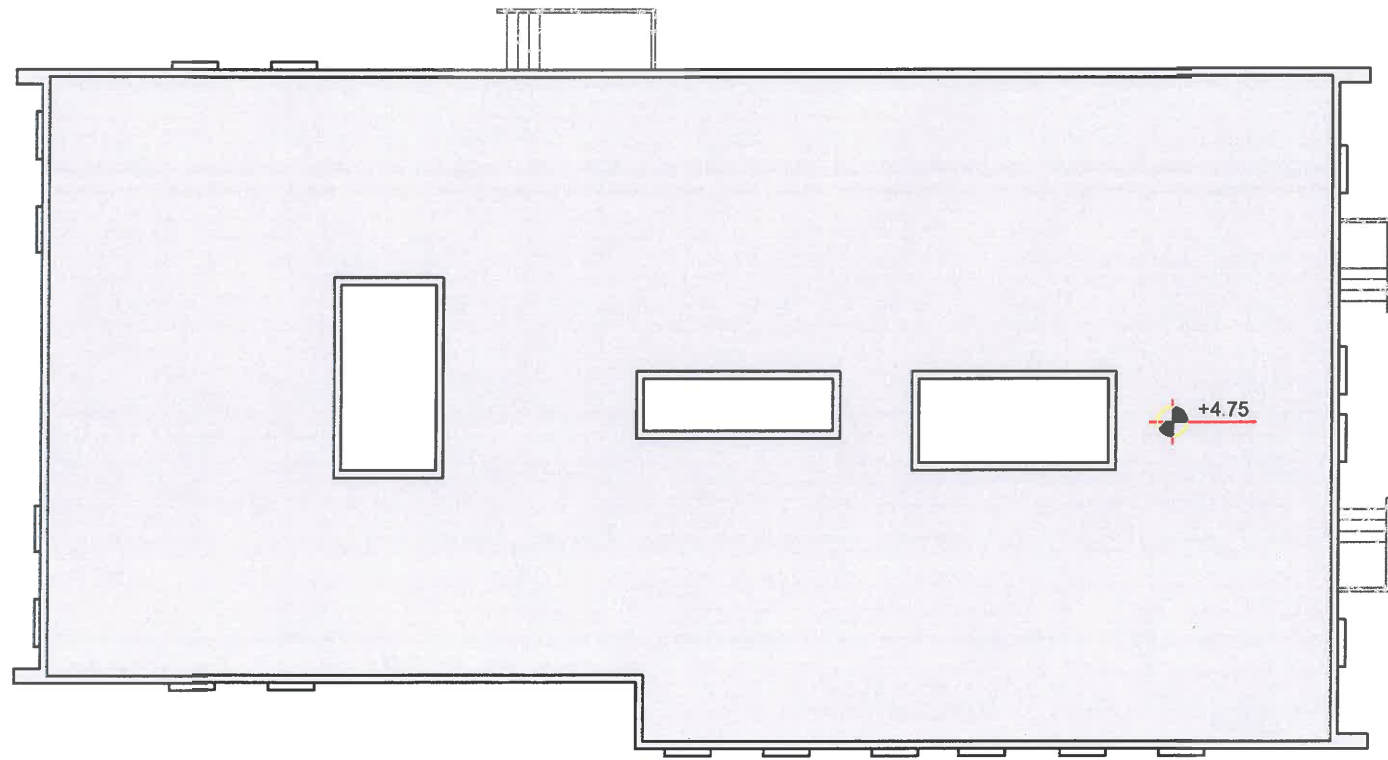
TIE BEAM No.	Section (mm)	
	B	H
TB1	400	600
TB2	250	600
TB3	350	600
TB4	250	500

REMARK:-

- *See sheet No ST-08 For Reinforcement of Tie beam.
*See sheet No ST-07 For SECTION (B-B).



الرسومات الإنشائية		STRUCTURAL DRAWINGS	
اسم المشروع		تصميم مركز شرطة - حي الأندلس.	
اسم اللوحة		المسقط الأفقي للكمرات الأرضية (B)	
رسم المشروع		رسم اللوحة	
رقم اللوحة		ST-04	
رقم الرسم		00	
مقياس الرسم		1:100	
اسم المصمم		مكتب المشروعات	



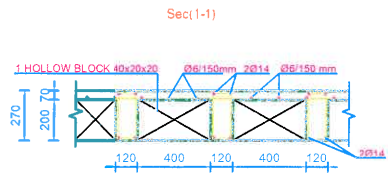
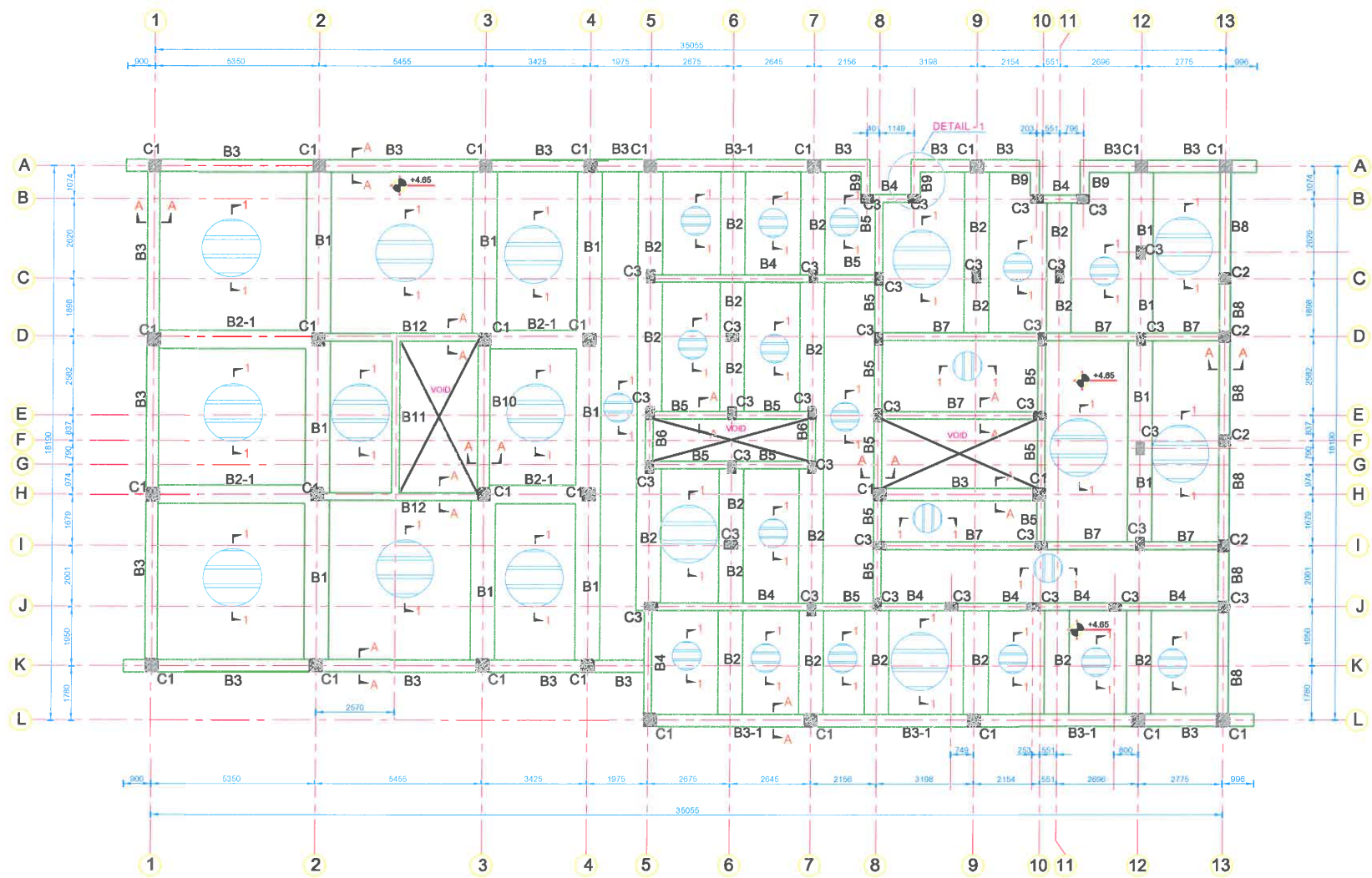
الرسمومات الإنشائية STRUCTURAL DRAWINGS	
اسم المشروع تصميم مركز شرطة - حي الأندلس. المبنى (B)	
اسم اللوحة المسقط الأفقي للسطح ROOF PLAN	
رقم المشروع S0072	رقم الرسم 1:100
اسم المصمم م. م. م. م.	اسم المراجع م. م. م. م.
اسم المهندس م. م. م. م.	اسم المراجع م. م. م. م.

NOTES:

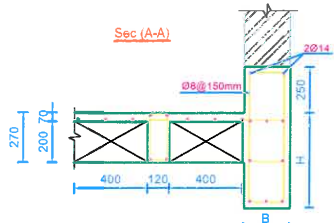
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS AND THE SPECIFICATIONS.
2. FOR THE PURPOSES OF CONSTRUCTION ALL DRAWINGS MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
3. LEVEL DATUMS TO BE CONFIRMED BY THE ARCHITECT DRAWINGS.
4. CONCRETE GRADE FOR SUBSTRUCTURE ELEMENTS TO BE C30.
5. CHARACTERISTIC STRENGTH OF REINFORCEMENT f_y TO BE 350 N/mm².
6. ALL BEAMS, COLUMNS AND FOUNDATIONS ON CENTERS OF GRID LINES U.N.O.
7. ASSUMED BEARING CAPACITY FOR FOUNDATION DESIGN IS 180 KN/m².
8. CONCRETE COVER FOR THE STRUCTURAL ELEMENTS TO BE :-
 - FOUNDATION 50mm
 - COLUMNS 30mm
 - BEAMS 30mm
 - SLABS 25mm

BEAM SCHEDULE

NO	BEAM SIZE
B1	800mm x 270mm
B2	800mm x 270mm
B2-1	600mm x 270mm
B3	400mm x 600mm
B3-1	400mm x 600mm
B4	250mm x 600mm
B5	250mm x 600mm
B6	250mm x 600mm
B7	250mm x 600mm
B8	350mm x 600mm
B9	250mm x 600mm
B10	400mm x 600mm
B11	250mm x 600mm
B12	250mm x 600mm



طابق بوضوح تخطيط الإحداثيات بالارتفاع (R1)
مقياس الرسم 20:1



طابق بوضوح تخطيط الإحداثيات بالارتفاع (R1)
مقياس الرسم 20:1

KEY PLAN:



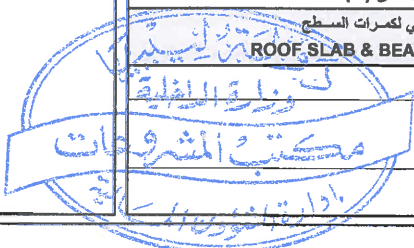
الرسومات الإنشائية
STRUCTURAL DRAWINGS

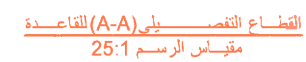
اسم المشروع

تصميم مركز شرطة - حي الأندلس.
المبنى (B)

اسم اللوحة
مسقط أفقي لكمرات السطح
ROOF SLAB & BEAMS PLAN

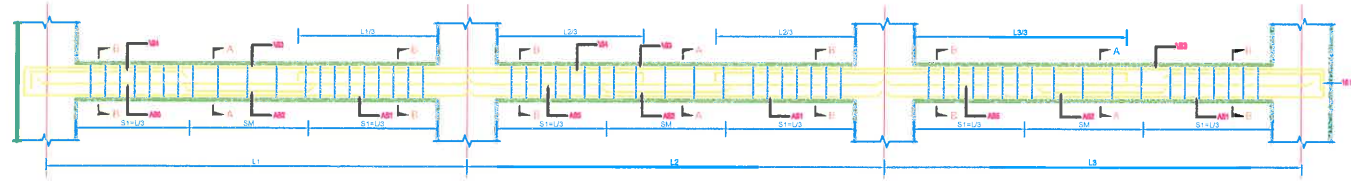
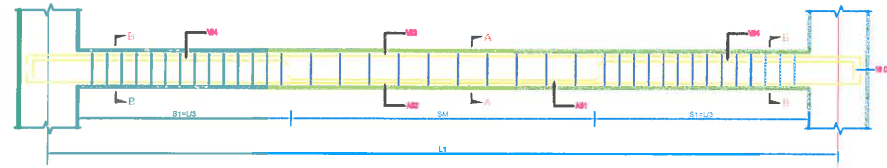
رقم المشروع
S0072
مقياس الرسم
1:100
تاريخ
الإصدار
ST-06
رقم الصفحة
00





FOUNDATION No.	DIMENSIØNS (mm)		BOTTOM REINFORCEMENT	
	DIM (mm) A	DIM (mm) B	AS-A	AS-B
F1	2100	2100	Ø14/150	Ø14/150
F2	2000	2000	Ø14/150	Ø14/150
F3	1800	1800	Ø14/150	Ø14/150
F4	1700	1700	Ø14/150	Ø14/150
F5	1600	1600	Ø14/150	Ø14/150
F6	1500	1500	Ø14/150	Ø14/150
F7	1400	1400	Ø14/150	Ø14/150
F8	1200	1200	Ø14/150	Ø14/150
F9	1100	1100	Ø14/150	Ø14/150

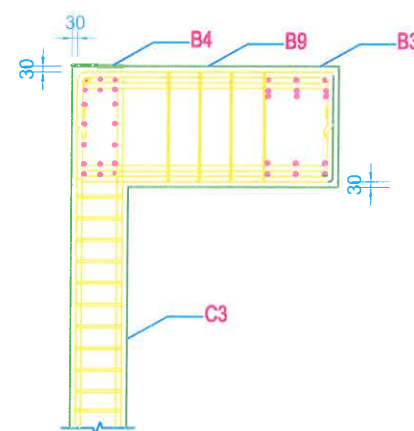
KEY PLAN 		الرسومات الإنشائية STRUCTURAL DRAWINGS	
اسم المشروع			
تصميم مركز شرطة - حي القدس. المبني (B)			
اسم اللوحة تفاصيل تسليح القاعدة والبلاطة وقطاعات تسليح الأعمدة FOUNDATION, SLAB AND COLUMN REINFORCEMENT DETAILS			
رقم مشروع	S0072	الدف	—
مقرن الرسم			
تسليح			
الإصدار	رقم الإصدار ST-07	الإصدار	00



TIE BEAMS

TIE BEAM No.	Section (mm)		BOTTOM-REINFORCEMENT		TOP-REINFORCEMENT		REINFORCEMENT	
	B	H	BOTTOM AS1	EXTRA BOTTOM AS2	TOP AS3	EXTRA TOP AS4	Edg strups	Mid strups
TB1	400	600	6Ø16	---	3Ø16	6Ø16	Ø8/200	Ø8/250
TB2	250	600	5Ø16	---	5Ø16	1Ø16	Ø8/200	Ø8/250
TB3	350	600	5Ø16	---	5Ø16	---	Ø8/200	Ø8/250
TB4	250	500	4Ø16	---	4Ø16	2Ø16	Ø8/200	Ø8/200

TIE BEAM No.	Sec A-A		Sec B-B	
	Sec Of Tie Beam	Details of stirrups	Sec of column	Details of stirrups
TB1				
TB2				
TB3				
TB4				



DETAIL - 1
1:20

BEAMS

BEAM No.	Section (mm)		BOTTOM-REINFORCEMENT		TOP-REINFORCEMENT		REINFORCEMENT		LONGITUDINAL REINFORCEMENT AS5
	B	H	BOTTOM AS1	EXTRA BOTTOM AS2	TOP AS3	EXTRA TOP AS4	Edg strups	Mid strups	
B1	800	270	7Ø16	---	7Ø16	7Ø16	Ø8/100	Ø8/120	---
B2	800	270	6Ø16	---	6Ø16	6Ø16	Ø8/100	Ø8/120	---
B2-1	600	270	4Ø16	---	4Ø16	4Ø16	Ø8/100	Ø8/120	---
B3	400	600	6Ø16	---	6Ø16	3Ø16	Ø8/200	Ø8/250	---
B3-1	400	600	6Ø16	---	6Ø16	3Ø16	Ø8/200	Ø8/250	8Ø14
B4	250	600	6Ø16	---	6Ø16	---	Ø8/150	Ø8/150	6Ø14
B5	250	600	6Ø16	---	6Ø16	---	Ø8/250	Ø8/250	---
B6	250	600	6Ø16	---	6Ø16	---	Ø8/250	Ø8/250	---
B7	250	600	6Ø16	---	6Ø16	---	Ø8/250	Ø8/250	---
B8	350	600	6Ø16	---	6Ø16	3Ø16	Ø8/250	Ø8/250	---
B9	250	600	5Ø14	---	5Ø14	---	Ø8/250	Ø8/250	---
B10	400	600	3Ø16	---	6Ø16	---	Ø8/250	Ø8/250	---
B11	250	600	4Ø16	---	4Ø16	2Ø16	Ø8/250	Ø8/250	---
B12	250	600	6Ø16	---	6Ø16	---	Ø8/150	Ø8/150	8Ø14

BEAM No.	Sec A-A		Sec B-B	
	Sec Of Beam	Details Of stirrups	Sec Of Beam	Details Of stirrups
B1				
B2				
B2-1				
B3				
B3-1				
B4				
B5				
B6				
B7				
B8				
B9				
B10				
B11				
B12				

NOTES:

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- CONCRETE GRADE FOR SUBSTRUCTURE ELEMENTS TO BE C30.
- CHARACTERISTIC STRENGTH OF REINFORCEMENT f_y TO BE 350 N/mm².
- ALL BEAMS, COLUMNS AND FOUNDATIONS ON CENTERS OF GRID LINES U.N.O.
- ASSUMED BEARING CAPACITY FOR FOUNDATION DESIGN IS 180 kN/m².
- CONCRETE COVER FOR THE STRUCTURAL ELEMENTS TO BE :-
 - FOUNDATION 50mm
 - COLUMNS 30mm
 - BEAMS 30mm
 - SLABS 25mm
- CENTER LINE OF COLUMNS CONCLUDE WITH THE CENTER LINE OF FOOTING

BEAM SCHEDULE	
NO	BEAM SIZE
B1	800mm x 270mm
B2	800mm x 270mm
B2-1	600mm x 270mm
B3	400mm x 800mm
B3-1	400mm x 600mm
B4	250mm x 600mm
B5	250mm x 600mm
B6	250mm x 600mm
B7	250mm x 600mm
B8	350mm x 600mm
B9	250mm x 600mm
B10	400mm x 600mm
B11	250mm x 600mm
B12	250mm x 600mm

الرسومات الإنشائية STRUCTURAL DRAWINGS	
اسم المشروع تصميم مركز شرطة - حي الأندلس.	
اسم اللوحة مقاطع حديد التسليح للكميرات BEAMS REINFORCEMENT SECTION	
رقم المشروع	S0072
مهندس الرسم	...
المراجع	...
رقم اللوحة	ST-08
الصفحة	00

