1 GENERAL

1. EACH OF THE STRUCTURAL DRAWING SHALL BE READ IN CONJUNCTION WITH THE PERTINENT LAYOUT, CIVIL, ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. IF ANY DISCRIPENCY IS FOUND, CONTRACTOR MUST REPORT TO CONSULTANT IMMEDIATELY.
2. ALL DIMENSIONS SHOWN ARE IN METERS , UNLESS OTHERWISE INDICATED. LEVELS ARE IN METERS. DO NOT SCALE FROM DRAWINS.
3. ALL CONSTRUCTION MATERIALS SPECIFIED IN THE DRAWINGS SHALL CONFORM TO THE APPLICABLE CODES, STANDARDS OF CONSTRUCTION, AND TO SPECIFICATIONS.
4. THE CONTRACTOR SHOULD SUBMIT, TO THE ENGINEER FOR APPROVAL, WORKSHOP DRAWINGS SHOWING PROPPING SYSTEM, REINFORCEMENT DETAILS, AND OTHER SPECIFIC REQUIREMENTS INDICATED ON DRAWINGS.
5. STRUCTURAL FRAME IS DEFINED AS " INTRMEDIATE LEVEL" TO UBC. CONNECTION REQUIREMENTS, WALL - BEAM AND /OR COLUMN-BEAM SHALL BE DETAILED IN ACCORDANCE WITH UBC ZONE 3 REQUIREMENTS FOR EARTHQUAKE RESISTENT STRUCTURES.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE BUILDING SAFETY AND MUST TAKE ALL NECESSARY PRECAUTIONS AND MEASURES TO ACHIEVE THIS.
7. ALL BEAMS AND COLUMNS IN PARKING LEVEL SHALL BE 20MM CORNER SHAMFERED.
8. SARTER KICKERS TO ALL WALLS TO BE 75MM HIGH UNLESS OTHERWISE NOTED.
9. STRUCTURAL LEVELS ARE IN METERS AND RELATE TO ORDNANCE DATUM. STRUCTURAL SLAB LEVEL (S.L.) IS THE TOP SURFACE LEVEL OF THE CONCRETE SLAB, IMMEDIATELY ADJACENT TO A VERTICAL SUPPORT.

2 CONCRETE

BE AS FOLLOWS:

CRUSHING STRENGTH FOR CUBE 15X15X15 CM N/mm2	STRUCTURAL MEMBER
35	-COLUMNS & COLUMN NECKS
30	-WALLS -BEAMS -SLABS -FOUNDATIONS
20	-BLINDING -STONE WALL

1. STRENGTH TESTS FOR CONCRETE SHALL BE MADE IN ACCORDANCE WITH APPROPRIATE ACI STANDARD.
2. REINFORCED CONCRETE MIXES SHALL BE DESIGNED AND PRODUCED PROVIDED THAT MINIMUM CEMENT CONTNT IS 300 KG/M3 AND MAXIMUM FREE WATER/CEMENT RATIO IS 0.5 TO MAINTAIN DURABILITY REQUIREMENTS. APPROVED SUPERPLASTICIZER CAN BE ADDED TO MIXES ACCORDING TO MANUFACTURER SPECIFICATION TO IMPROVE THE WORKABILITY OF THE MIX.
3. THE CONTRACTOR MUST SUBMIT FOR APPROVAL BEFORE WORK THE CONCRETE MIX DESIGN TO BE FOLLOWED IN CONSTRUCTION.

3 REINFORCING STEEL

1. ALL REINFORCING STEEL BARS INCLUDING LINKS SHALL BE DEFORMED, HIGH YIELD STEEL GRADE 420 COFORMING TO THE APPROPRIATE ACI STANDARDS.

4 CONCRETE PROTECTION

1. UNLESS OTHERWISE INDICATED ON DRAWINGS CONCRETE CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
   a. 50mm FOR ALL UNDERGROUND STRUCTURES
   b. 30mm FOR ALL BEAMS
   c. 30mm FOR COLUMNS.
   d. 25mm FOR SLABS
   e. 25mm FOR WALLS
   f. 70mm FOR FOOTINGS

5 BASE SLABS ON GROUND

1. it is recommended to use a layer of aggregate base coarse of 40 cm each layer not exceed 20cm and compacted to(98)%, of modified proctor above this layer the slab will be constructed.

2. To isolate the SOG, at the top of compacted aggregate base coarse layer, two folds of polyethylene plastic (250micron) is used to protect the slab from migrated water.

3. THE CONTRACTOR SHOULD TAKE ALL NECESSARY MEASURES TO ALLEVIATE AND MINIMIZE THE EFFECT OF EXPANSIVE SOIL, IF PRESENT.

6 slab

voided slab system.

7 Concrete type:

-COLUMNS & COLUMN NECKS	B-350
-WALLS	B-300
-BEAMS	B-300
-SLABS	B-300
-FOUNDATIONS	B-300
-BLINDING	B-200
-STONE WALL	B-200
-RETAINING WALL	B-250

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A.	FIRST REVISION	24/7/2018

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PROJECT TITLE

Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

JERICHO

DRAWING Title

GENERAL NOTES

STRUCTURAL : HEBA SHQAIR	
DRAWN : HEBA SHQAIR	
CHECKED : AMANI ARAFAT	
APPROVED : AMANI ARAFAT	

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8 DETAILS OF REINFORCEMENT

1. SPLICES IN BEAMS, SLABS AND FOUNDATIONS- USE 60ø FOR ALL LAPS.
2. SPLICES IN COLUMNS AND WALLS- USE 40ø FOR ALL LAPS.
3. LAPS IN BEAMS, SLABS, FOUNDATIONS, AND SHEAR WALLS REINFORCEMENT SHALL BE STAGGERED.
4. BARS SHOULD BE CUT OR BENTB IN ACCORDANCE WITH APPROPRIATE ACI STANDARS. THE CONTRACTOR MUST SUBMIT FOR APPROVAL BEFORE CASTING BAR BENDING SCHEDULE.
5. BAR SIZES
   a. NO MORE THAN TWO BAR SIZES SHALL BE USED IN ONE FACE AT A GIVEN LOCATION IN SPAN.
   b. NO MORE THAN TWO STANDARD BAR SIZES APART FOR STEEL REINFORCEMENT IN ONE FACE AT A GIVEN LOCATION IN THE SPAN SHALL BE USED : FOR EXAMPLE ø12 & ø16 MAY BE ACCEPTABLE BUT ø12 & ø18 WILL NOT.
   c. WHEN DIFFERENT BAR SIZES ARE USED IN SEVERAL LAYERS AT A GIVEN LOCATION, PLACE THE LARGEST SIZE IN THE LAYER NEAREST TO THE FACE OF THE BEAM.
6. BAR BENDS:

   THE MINIMUM INSIDE DIAMETER OF BENDS ARE AS FOLLOWS:
   3 X BAR DIAMETER FOR ø10 TO ø20
   4 X BAR DIAMETER FOR ø25 TO ø32
   3 X BAR DIAMETER FOR STIRRUPS.
7. BAR SUPPORTS & SPACERS

   BAR SUPPORTS OR SPACERS , WHEREVER NEEDED, SHALL BE OF THE SAME SIZE AS MAIN BARS, BUT NOT LESS THAN 25mm. THEY SHOULD ALSO BE PLACED AT MAXIMUM SPACING OF 1.0m OR LESS.

9 CONSTRAINTS

1. THE CONTRACTOR SHOULD PAY ATTENTION TO THE CONSTRUCTION SEQUENCE INDICATED ON DRAWINGS.
2. EFFECTS OF SHRINKSGE AND MOVEMENT MUST BE MITIGATED BY:
   2.1 LIMITING THE SIZE AND ORDER OF CONCRETE POURS.
   2.2 EFFECTIVE CURING.
   2.3 INSULATING LARGE SLABE AREAS FROM DIRECT RADIATION.
   2.4 PROVISION OF CONTINUOUS REINFORCEMENT MESH IN LARGE SLABS.

Important Note:-

Special attention to non structural elements, the collapse of non structural elements (brick concrete and other decorative elements) should be avoided through: fastening these elements with the building structural system or isolating them.

10 LIVE LOADS

AN OVERALL CONSERVATIVE LIVE LOAD OF 3.00 KN/M2 WAS USED

11 EARTHQUAKE FORCES

THE BUILDING WAS DESIGNED TO WITHSTAND EARTHQUAKE FORCES OF ZONE 3 AS PER THE UNIFIED BUILDING CODE, CHAPTER 16.
Z=0.30The soil is very dense soil and soft soil profile is SD.
The importance factor, I=1.25.
The ductility factor, R= 4.5 UBC 97
The seismic coefficient, Ca=0.36 UBC 97
The seismic coefficient, Cv=0.54 UBC 97
wind load=126km/hr

12 DESIGN CRITERIA

1- THE DESIGN IS BASED ON ULTIMATE STRENGTH METHOD FOR ALL CONCRETE STRUCTURAL ELEMENTS.

2- CONFINEMENT
DETAILS OF CONFINMENT FOR REINFORCEMENT AT BEAM COLUMN CONNECTION ARE SHOWN IN DETAILS.

13 FOUNDATIONS

1- the foundation design is based on soil test that the allowable bearing capacity is 1.4kg/cm2. For the drilled piers at the total penetration depth 16.0m, the ultimate allowable working load at the maximum shaft deflection 25mm is 128.4ton and 153.3ton for piers of diameter 50cm and 60cm respectively

2- columns and footing were designed to carry 4 floors only.

14 CODES AND SPECIFICATIONS

The structure is designed using practice codes and specifications that control the design process and variables.
The following codes and standards are used in this study:

* ACI 318-08: American concrete institute provisions for reinforced concrete structure design.
*UBC-97: code which is used here for seismic load parameters determination.
*ASTM: For material specifications.

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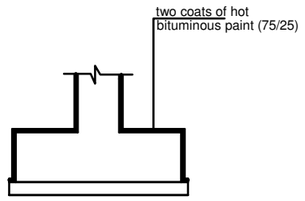
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JERICHO

DRAWING Title
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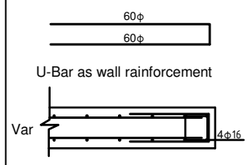
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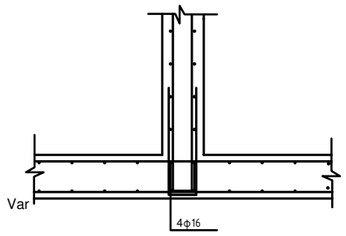
1- Typical Detail Of Footing Insulation

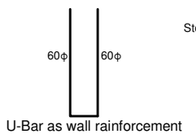


2- Typical End Detail Of RC Wall

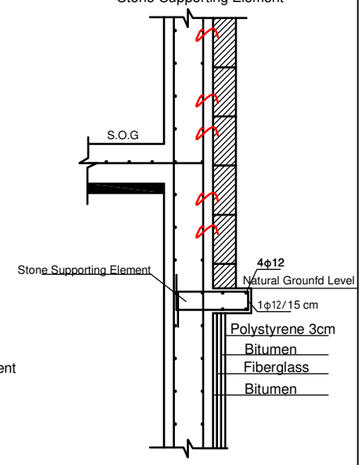


3- Typical Cross Section Detail Of RC Wall

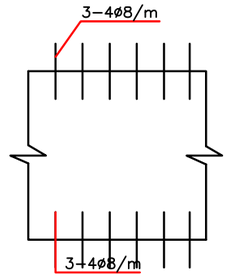




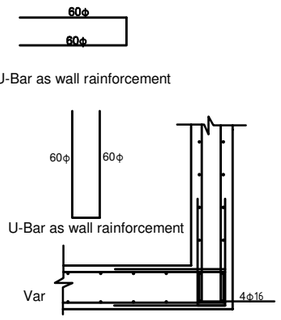
4- Typical Detail Of Wall Insulation & Stone Supporting Element



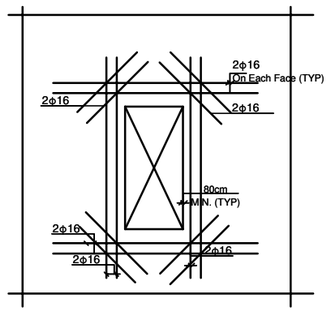
تشـــريك الجـدران الخارجيـة مع الاســقف



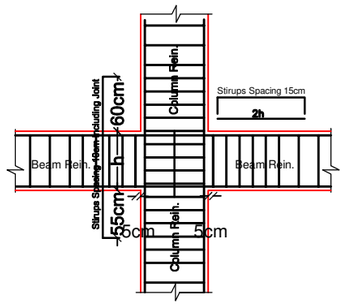
5- Typical Corner Detail Of RC Wall



6- Detail Around Openings In RC Wall And Slabs (Unless Shown OtherWise ON Drwgs)

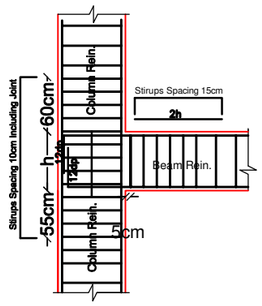


7- Typical Detail For Internal Joint



* dp= main bar diameter .
* h= beam depth .

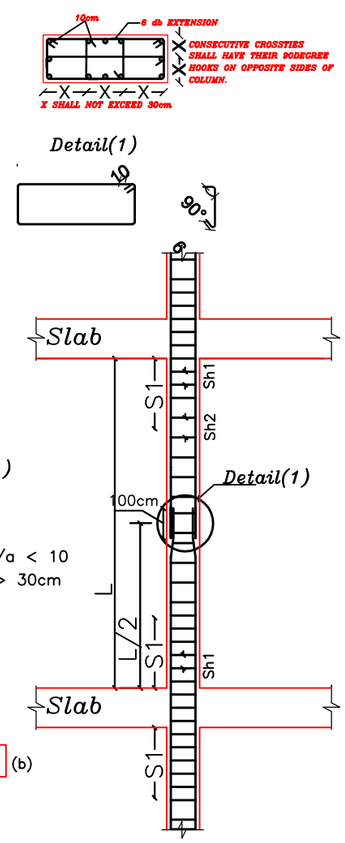
8- Typical Detail For External Joint



* dp= main bar diameter .
* h= beam depth .

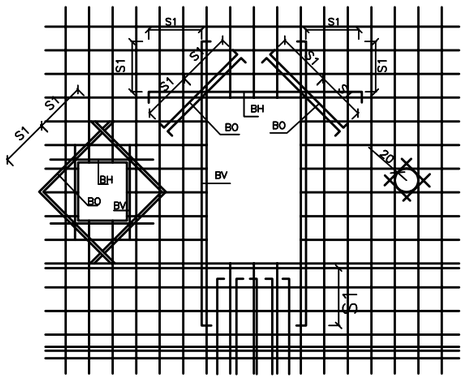
COLUMNS

Seismic resistant details .



WALL OPENINGS

Additional reinf. bars shall be provided at every openings alowu:

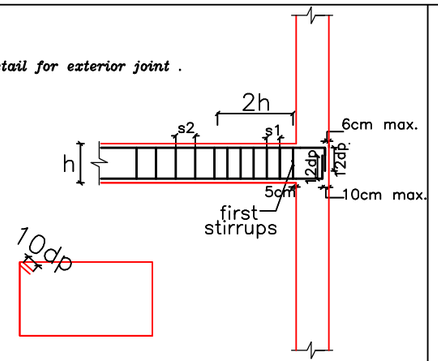


IN CASE OF DOUBLE LAYER
B V : 2ø12
B H : 2ø12
B O : 4ø12
S1 : LAP SPLICES

IN CASE OF SINGLE LAYER
B V : 1ø12
B H : 1ø12
B O : 2ø12

BEAMS

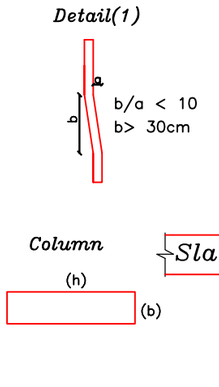
Seismic beam detail for exterior joint .



dp=tie diameter

* dp= main bar diameter .
* h= beam depth .

S1= least of h/4, (8ø main).
, (24ø) stirrups .
S2= least of h/2, (12ømain)or 30 cm



S1=Larger column dimension (h) not less than 60cm .
Sh1=Spacing not exceed 10cm or 8ømain .
Sh2=Spacing 12ø main not more than 20cm .

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B.	SECOND REVISION	7/8/2018
A.	FIRST REVISION	24/7/2018

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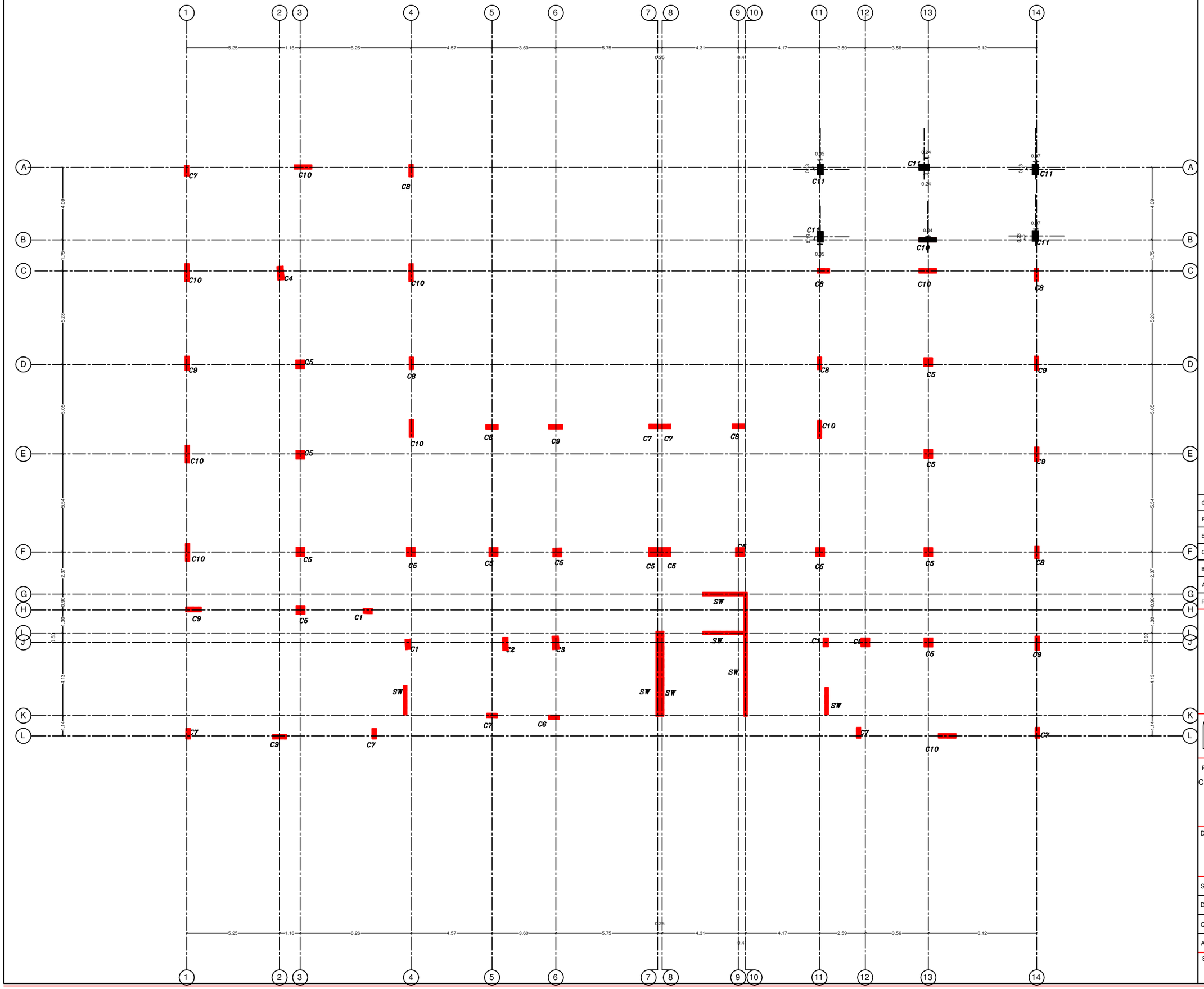
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APPROVED : AMANI ARAFAT	

SCALE	DATE	DRAWING NO.
1:100	9/ 2018	S03



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Rev. No.	Rev. Description	Date
G.		
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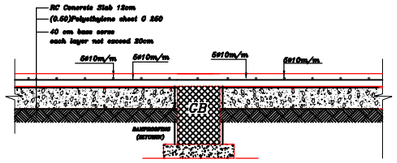
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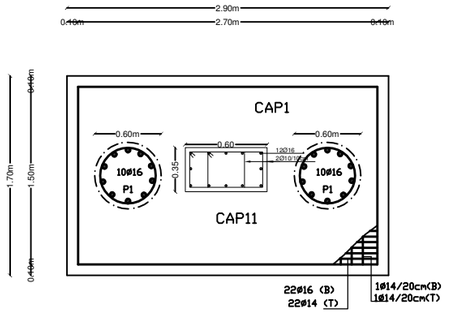
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COLUMNS CENTER

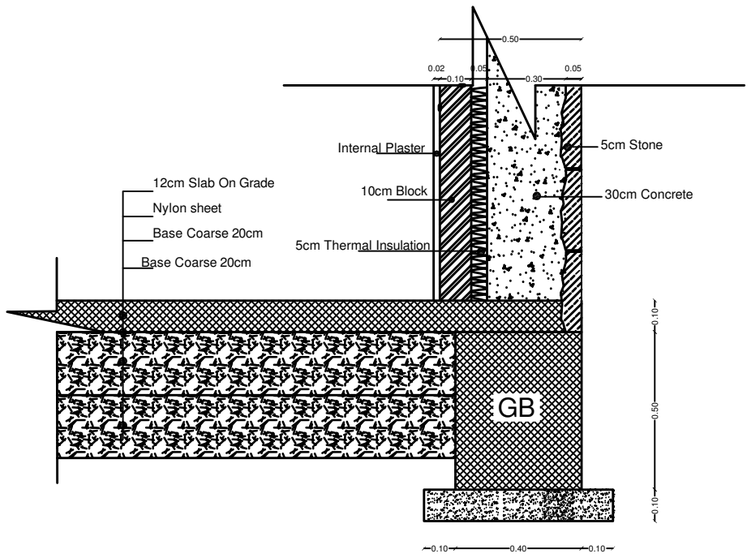
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TYPICAL SEC. IN GROUND BEAM AND SLAB ON GRADE .



HORIZENTAL SECTION IN C11,CAP1



CROSS SECTION IN EXTERNAL GROUND TIE BEAM

VERTICAL SECTION IN C5.CAP1

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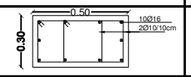
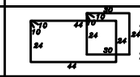
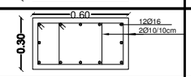
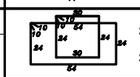
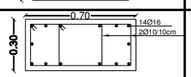
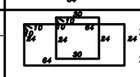
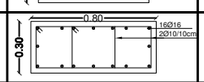
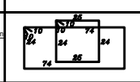
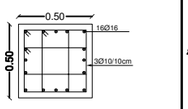
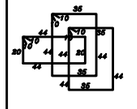
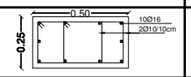
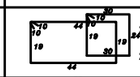
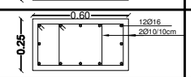
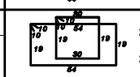
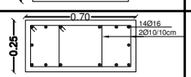
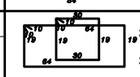
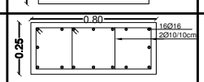
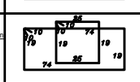
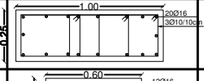
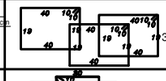
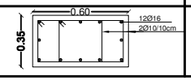
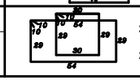
DRAWING Title

STRUCTURAL DETAILS

STRUCTURAL : HEBA SHQAIR	
DRAWN : HEBA SHQAIR	
CHECKED : AMANI ARAFAT	
APPROVED : AMANI ARAFAT	

SCALE	DATE	DRAWING NO.
1:100	9/ 2018	S05

Schedule Of Columns:

COLUMNS #	COLUMNS DIMENSIONS (CMXCM)	COLUMNS REINFORCEMENT	Stirrups
C1	30*50		 2Ø10/15cm *away from joint* 2Ø10/10cm *near and through joint*
C2	30*60		 2Ø10/15cm *away from joint* 2Ø10/10cm *near and through joint*
C3	30*70		 2Ø10/15cm *away from joint* 2Ø10/10cm *near and through joint*
C4	30*80		 2Ø10/15cm *away from joint* 2Ø10/10cm *near and through joint*
C5	50*50		 3Ø10/15cm *away from joint* 3Ø10/10cm *near and through joint*
C6	25*50		 2Ø10/15cm *away from joint* 2Ø10/10cm *near and through joint*
C7	25*60		 2Ø10/15cm *away from joint* 2Ø10/10cm *near and through joint*
C8	25*70		 2Ø10/15cm *away from joint* 2Ø10/10cm *near and through joint*
C9	25*80		 2Ø10/15cm *away from joint* 2Ø10/10cm *near and through joint*
C10	25*100		 3Ø10/15cm *away from joint* 3Ø10/10cm *near and through joint*
C11	35*60		 2Ø10/15cm *away from joint* 2Ø10/10cm *near and through joint*

CONCRETE B-300

CAPS SCHEDUAL

CAP #	*Dimension width(cm)*length(cm*depth(cm)*	*Bottom Rienforcement in short direction*	*Bottom Rienforcement in long direction*	*Top Rienforcement in short direction*	*Top Rienforcement in long direction*
cap1	*270*150*90*	1ϕ14/20cm	22ϕ16	1ϕ14/20cm	22ϕ14

CONCRETE B300 is used for caps

Schedule Of Ground Beams

GB #	*GB Dimension B*D cm*	*Bottom steel*	*Top steel*	*Stirrups*
GB1	*40*50*	4ϕ16	4ϕ16	5ϕ8/m
GB2	*30*50*	4ϕ16	3ϕ14	5ϕ8/m

GROUND TIE BEAM CONCRETE B300

PILES TABLE:-

PILES #	*PILES DIAMETER (CM)*	*DEPTH (M)*	*MAIN STEEL*	*STIRRUPS*
P1	*60 cm*	*16M*	*10ø16*	*spiral ø8/15 cm*

PILES CONCRETE B300

Rev. No.	Rev. Description	Date
G.		
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E.		
C.	THIRD REVISION	29/8/2018
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A.	FIRST REVISION	24/7/2018

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PROJECT TITLE

Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

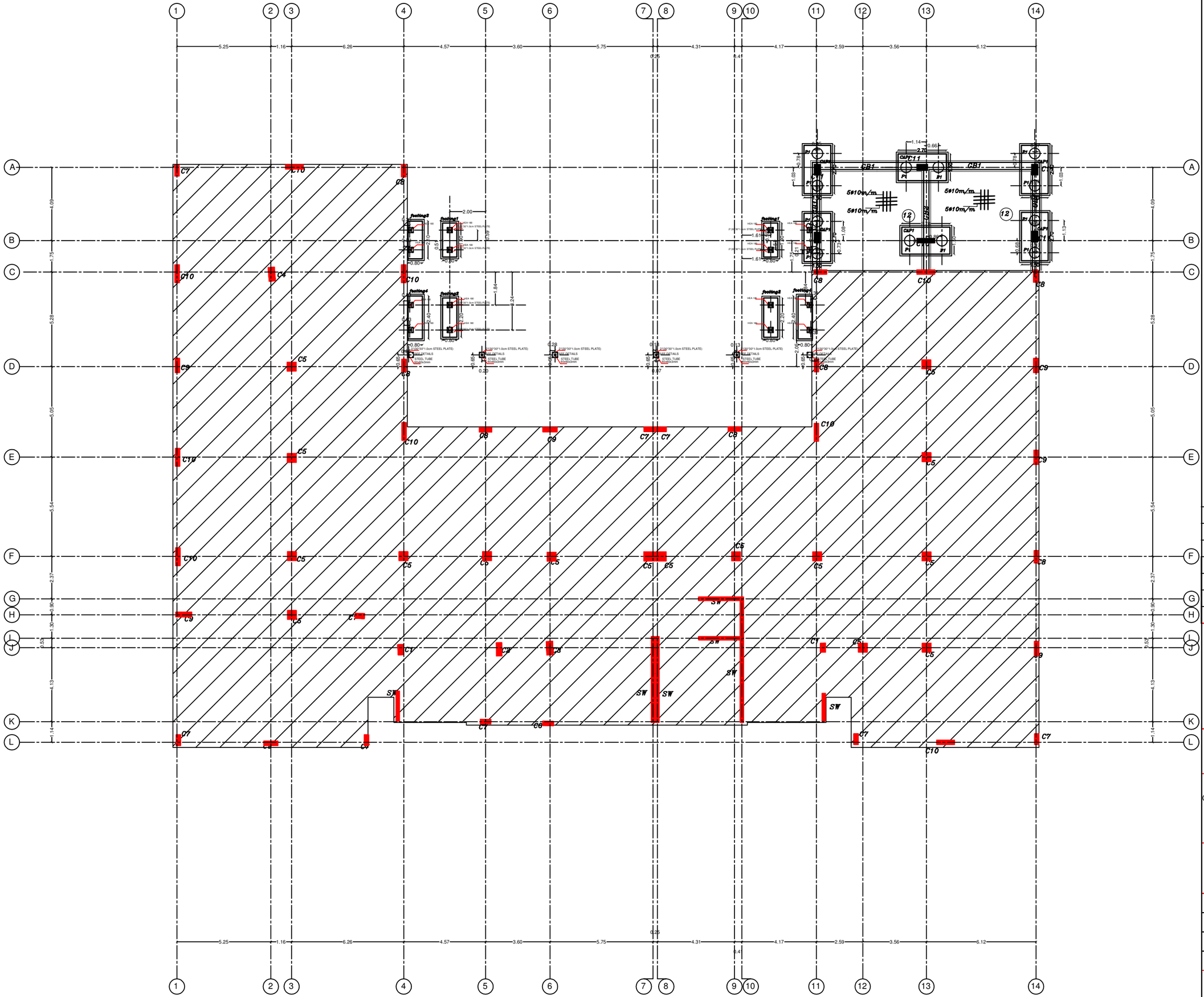
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DRAWING Title

COLUMNS TABLE

STRUCTURAL : HEBA SHQAIR	
DRAWN : HEBA SHQAIR	
CHECKED : AMANI ARAFAT	
APPROVED : AMANI ARAFAT	

SCALE	DATE	DRAWING NO.
1:100	9/ 2018	S05



Rev. No.	Rev. Description	Date
G.		
F.		
E.		
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PROJECT TITLE

Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

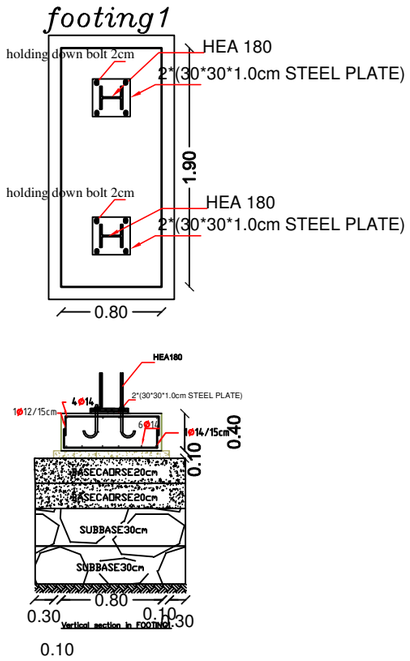
JERICHO

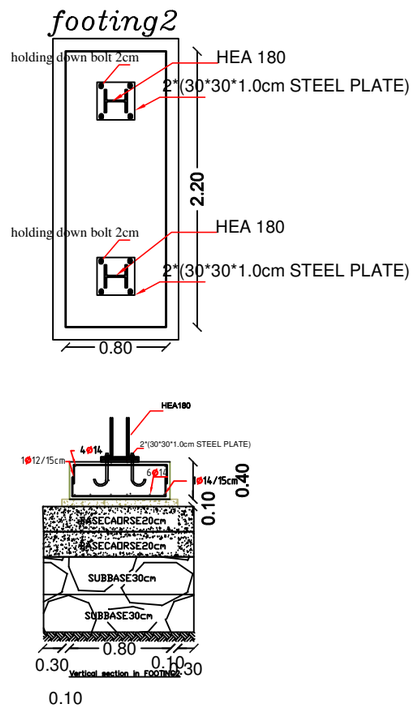
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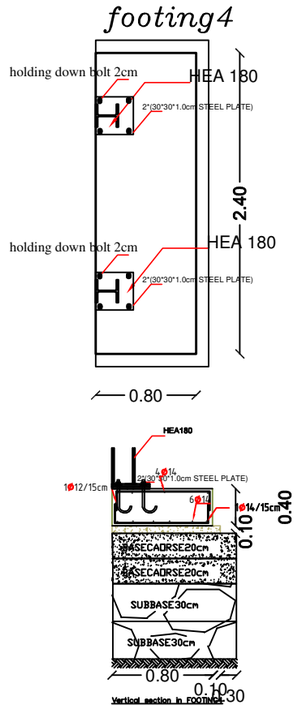
FOOTING PLAN

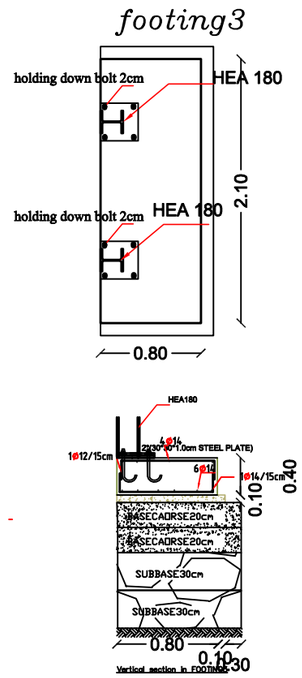
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DRAWN : HEBA SHQAIR	
CHECKED : AMANI ARAFAT	
APPROVED : AMANI ARAFAT	

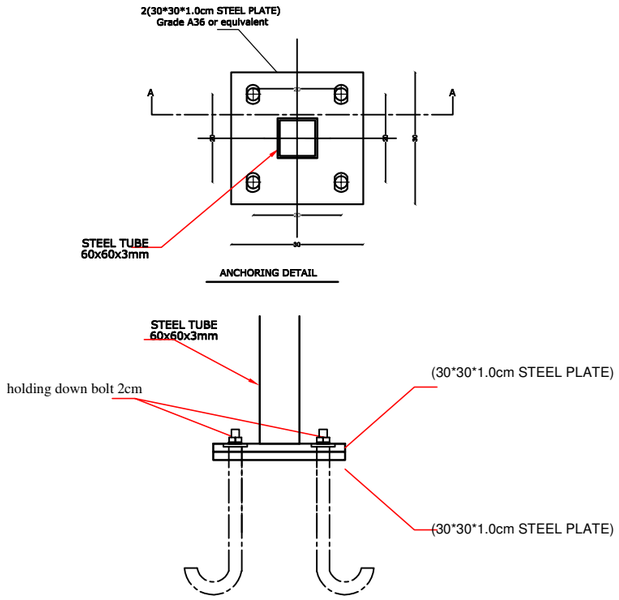
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1:100	9/ 2018	S06











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PROJECT TITLE

Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

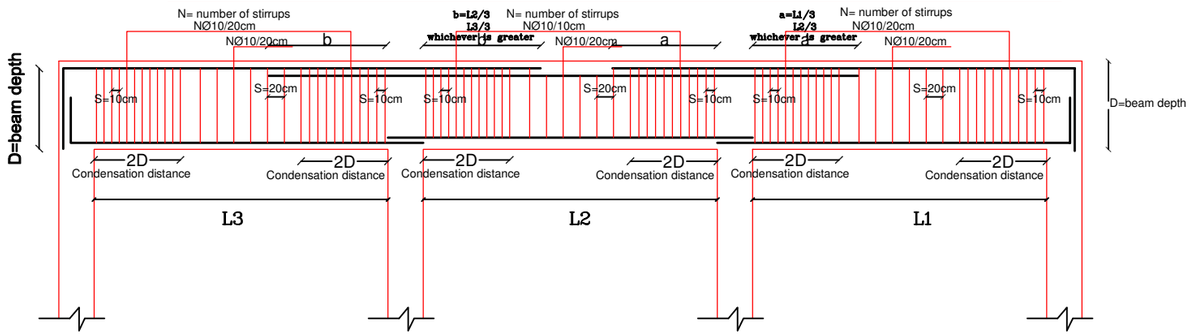
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DRAWING Title

STRUCTURAL DETAILS

STRUCTURAL : HEBA SHQAIR		
DRAWN : HEBA SHQAIR		
CHECKED : AMANI ARAFAT		
APPROVED : AMANI ARAFAT		
SCALE 1:100	DATE 9/ 2018	DRAWING NO. S07

Typical long section in beams for top steel extend



ملاحظة:

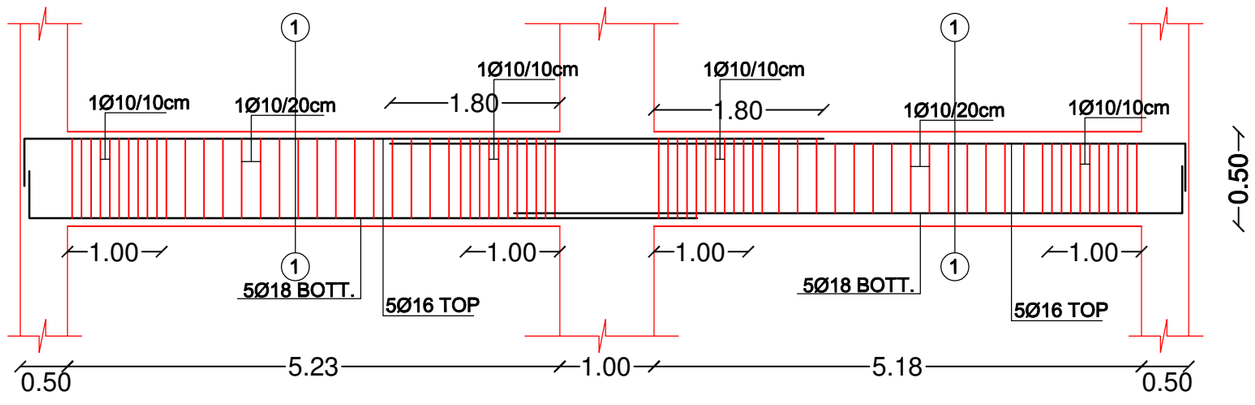
يمتــد الحديــد العلــوي للســـقف والجســور الــى ثلــث البحــر المجاور

BEAMS SCHEDULE						
BEAM MARK	BEAM REINFORCEMENT					
	BEAM WIDTH	BEAM DEPTH	BOTTOM REINF.	MIDDLE REINF.	TOP REINF.	STIRRUPS
B1	20	50	3Ø16	----	3Ø14	1Ø10/20cm away from column 1Ø10/10cm near column
B2	40	30	4Ø14	----	4Ø12	1Ø10/20cm away from column 1Ø10/10cm near column
B3	50	30	5Ø14	----	5Ø12	1Ø10/20cm away from column 1Ø10/10cm near column
B4	100	30	10Ø16	----	9Ø18	3Ø10/20cm away from column 3Ø10/10cm near column
B5	40	50	5Ø18	----	5Ø16	1Ø10/20cm away from column 1Ø10/10cm near column

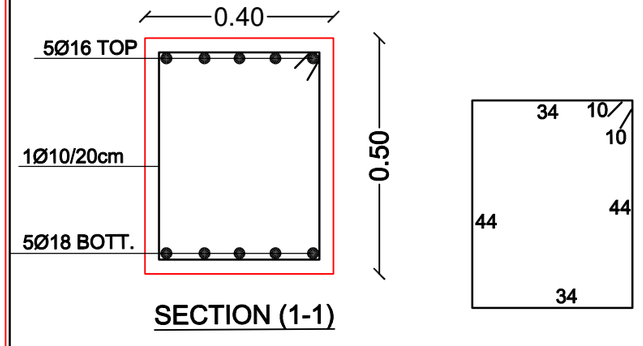
NOTES:

*Concrete B300

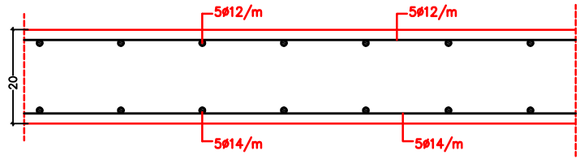
* for continuous beams top bars should be extended to the 1/3 length of the next span at negative moment areas.



LONG SECTION
(B5)



SECTION (1-1)



Section In Solid Slab

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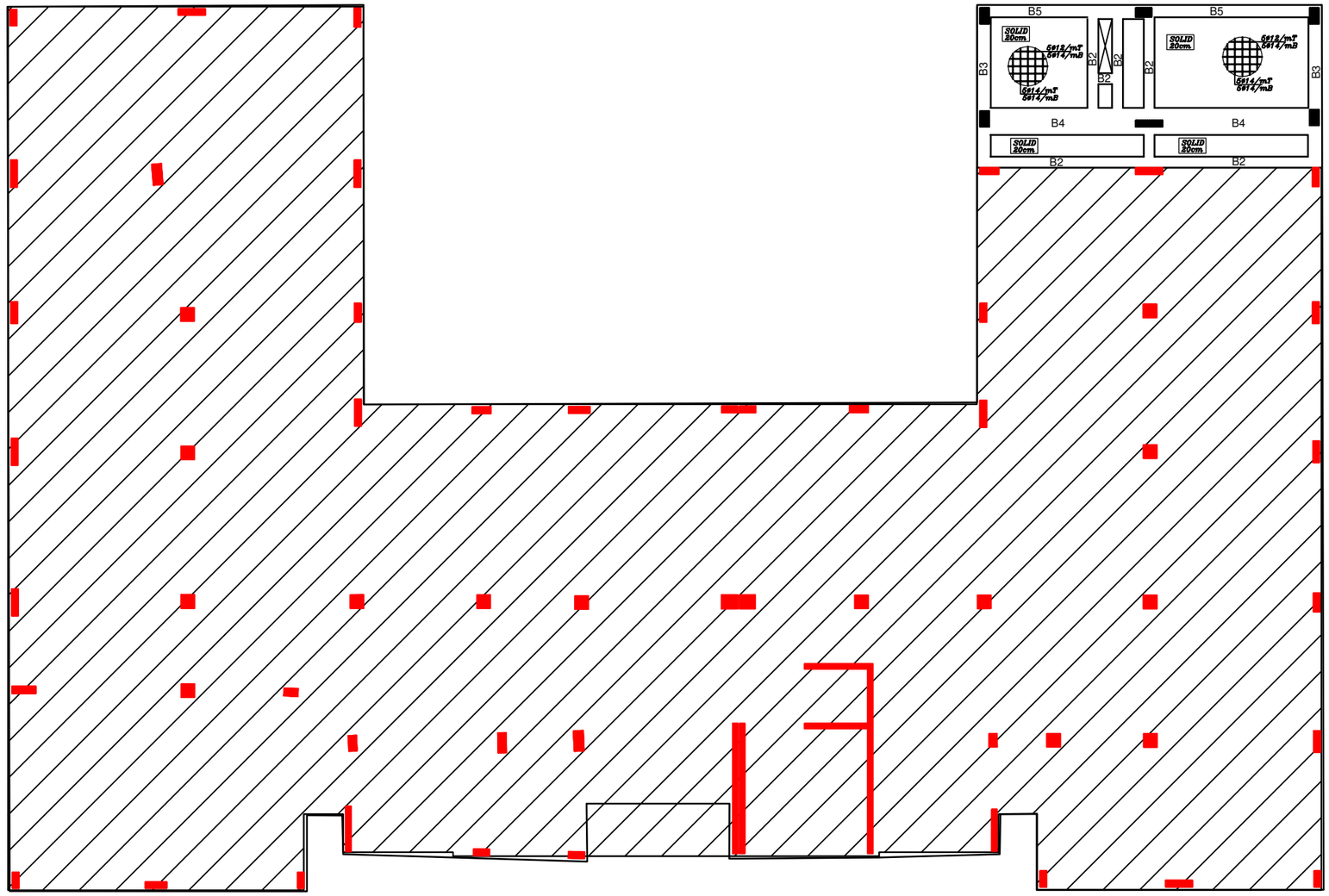
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BEAM TABLES

STRUCTURAL : HEBA SHQAIR		
DRAWN : HEBA SHQAIR		
CHECKED : AMANI ARAFAT		
APPROVED : AMANI ARAFAT		
SCALE 1:100	DATE 9/ 2018	DRAWING NO. S08



N

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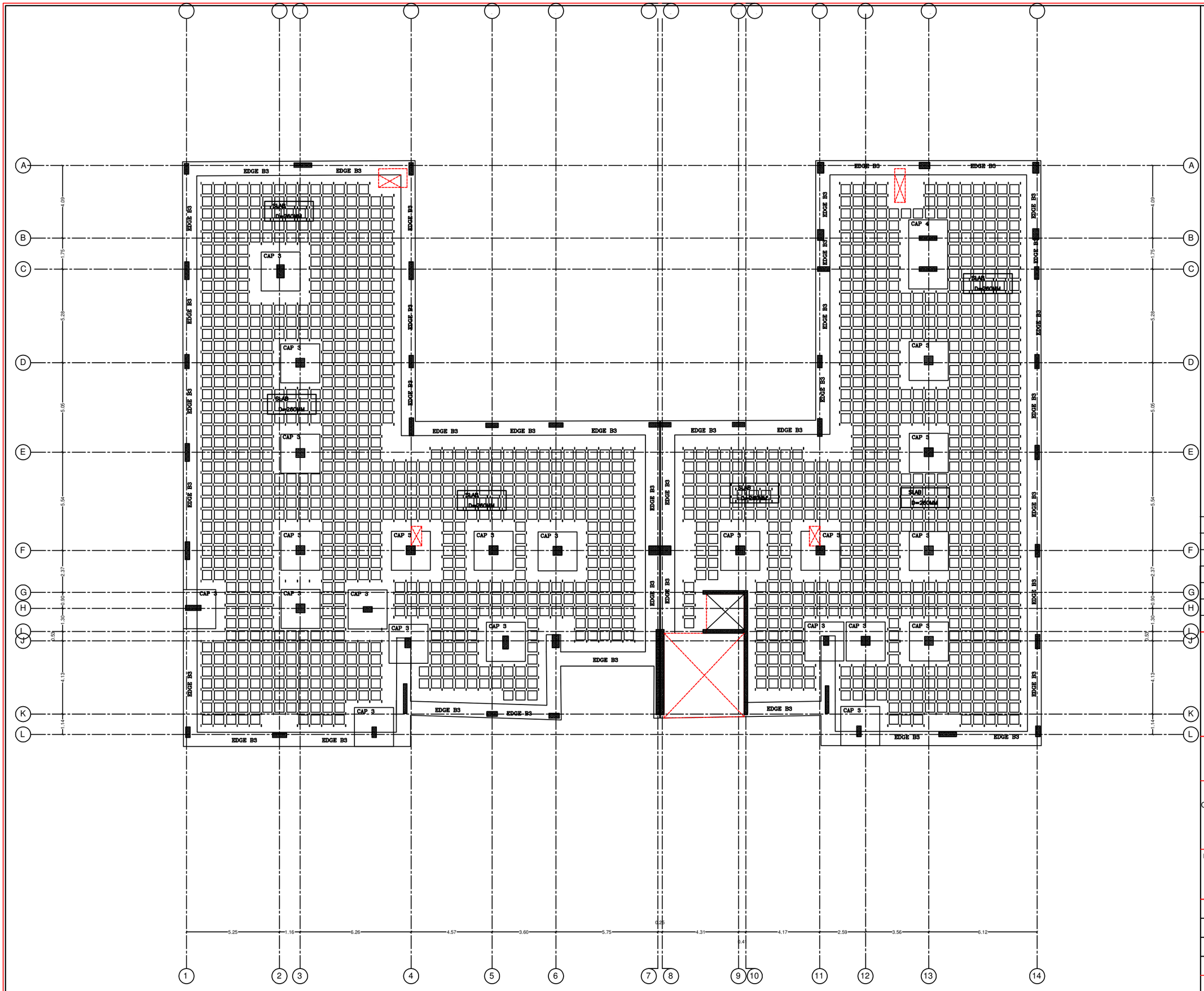
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DRAWING Title

GROUND FLOOR SLAB

STRUCTURAL : HEBA SHQAIR	
DRAWN : HEBA SHQAIR	
CHECKED : AMANI ARAFAT	
APPROVED : AMANI ARAFAT	

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C.	THIRD REVISION	29/8/2018
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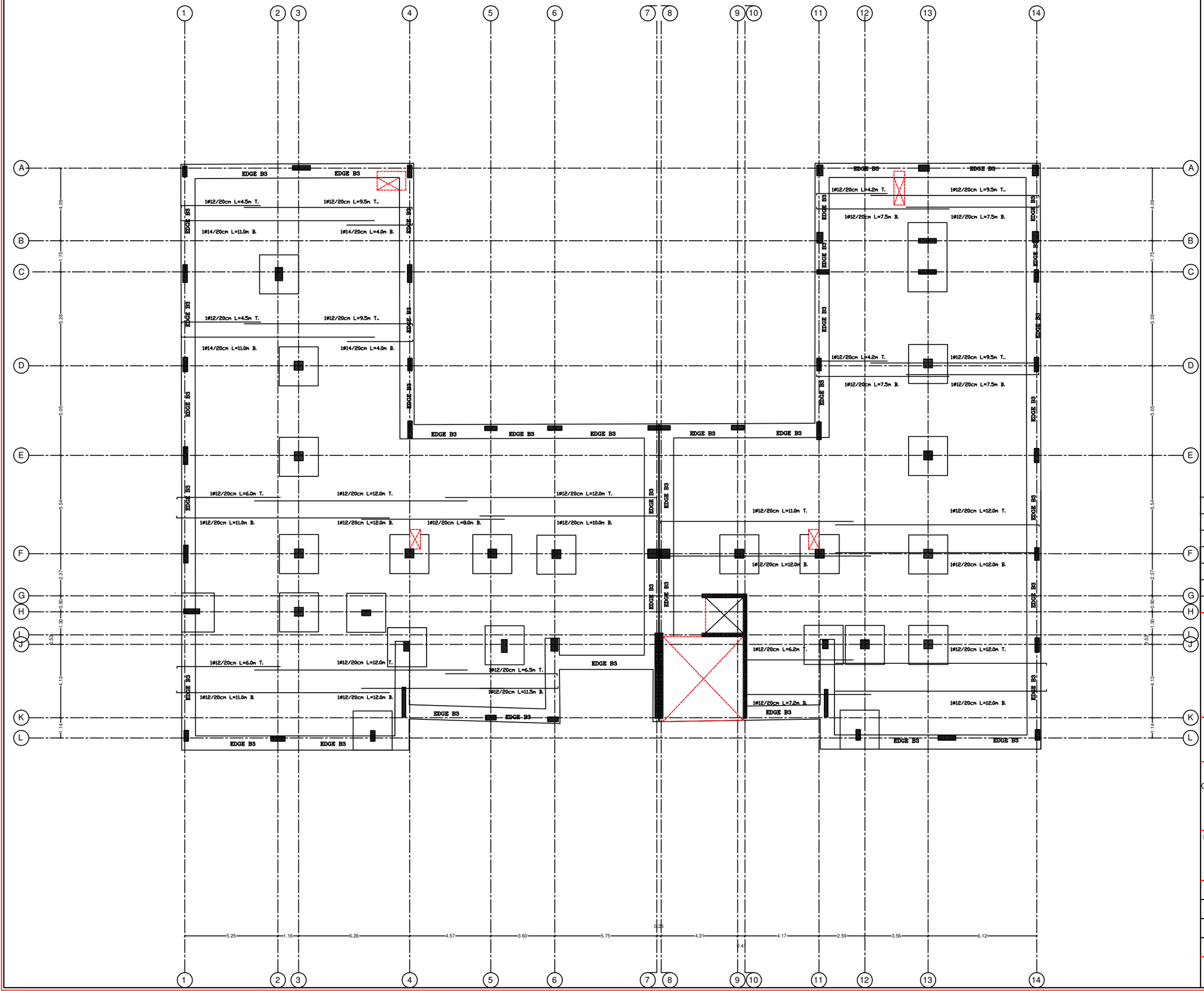
Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

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FIRST FLOOR SLAB

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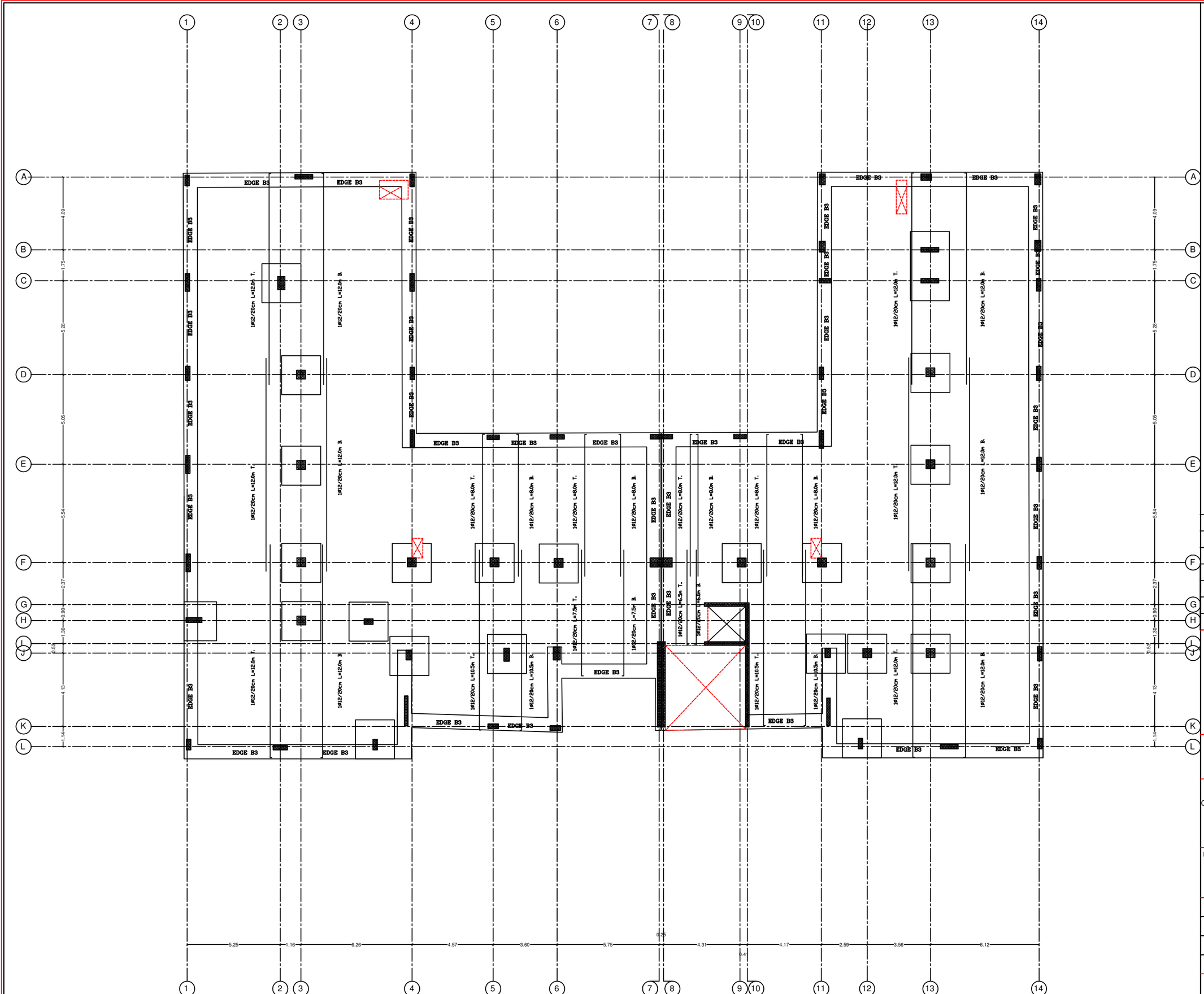
Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

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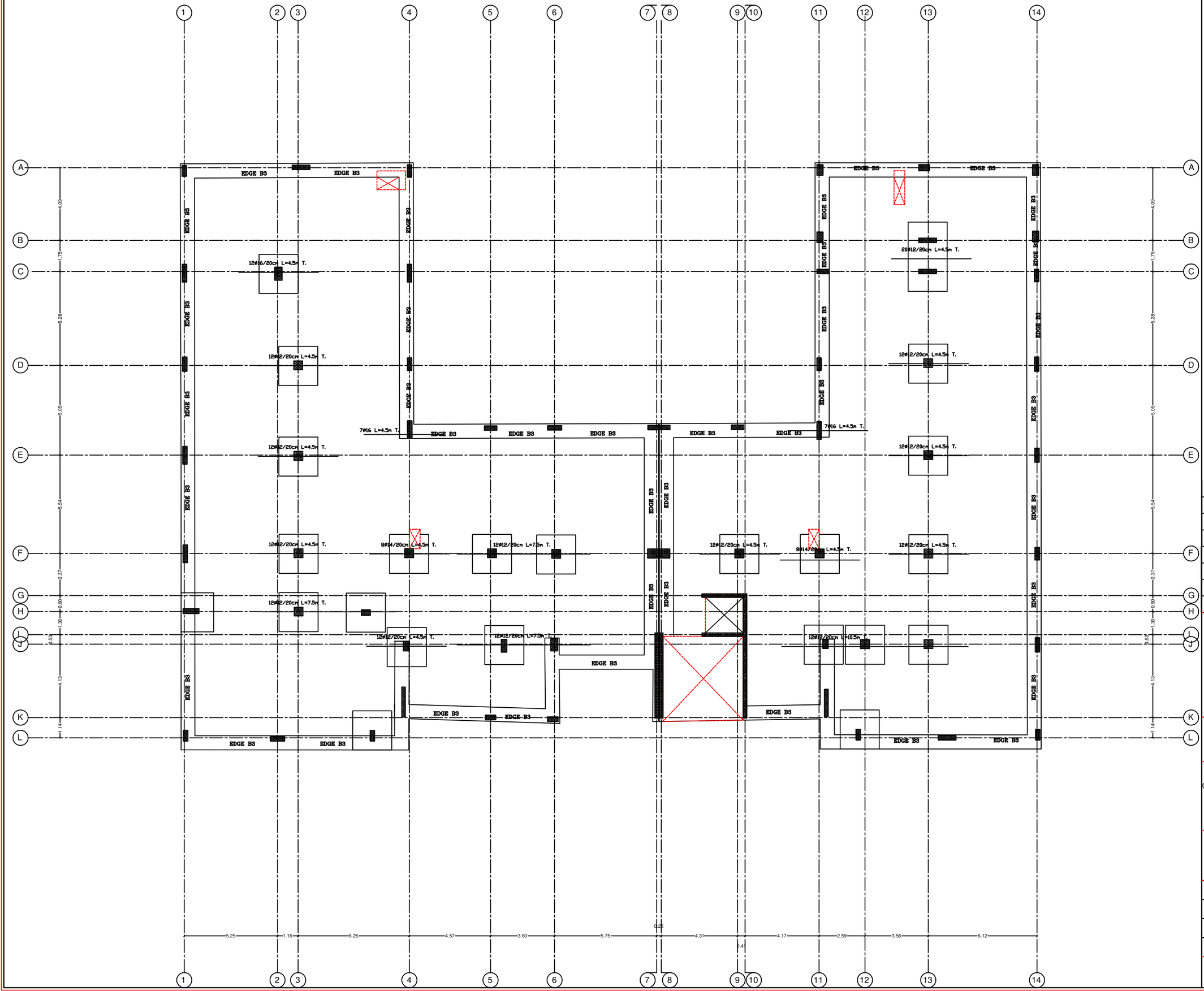
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FIRST FLOOR SLAB

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Rev. No.	Rev. Description	Date
G.		
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C.	THIRD REVISION	29/8/2018
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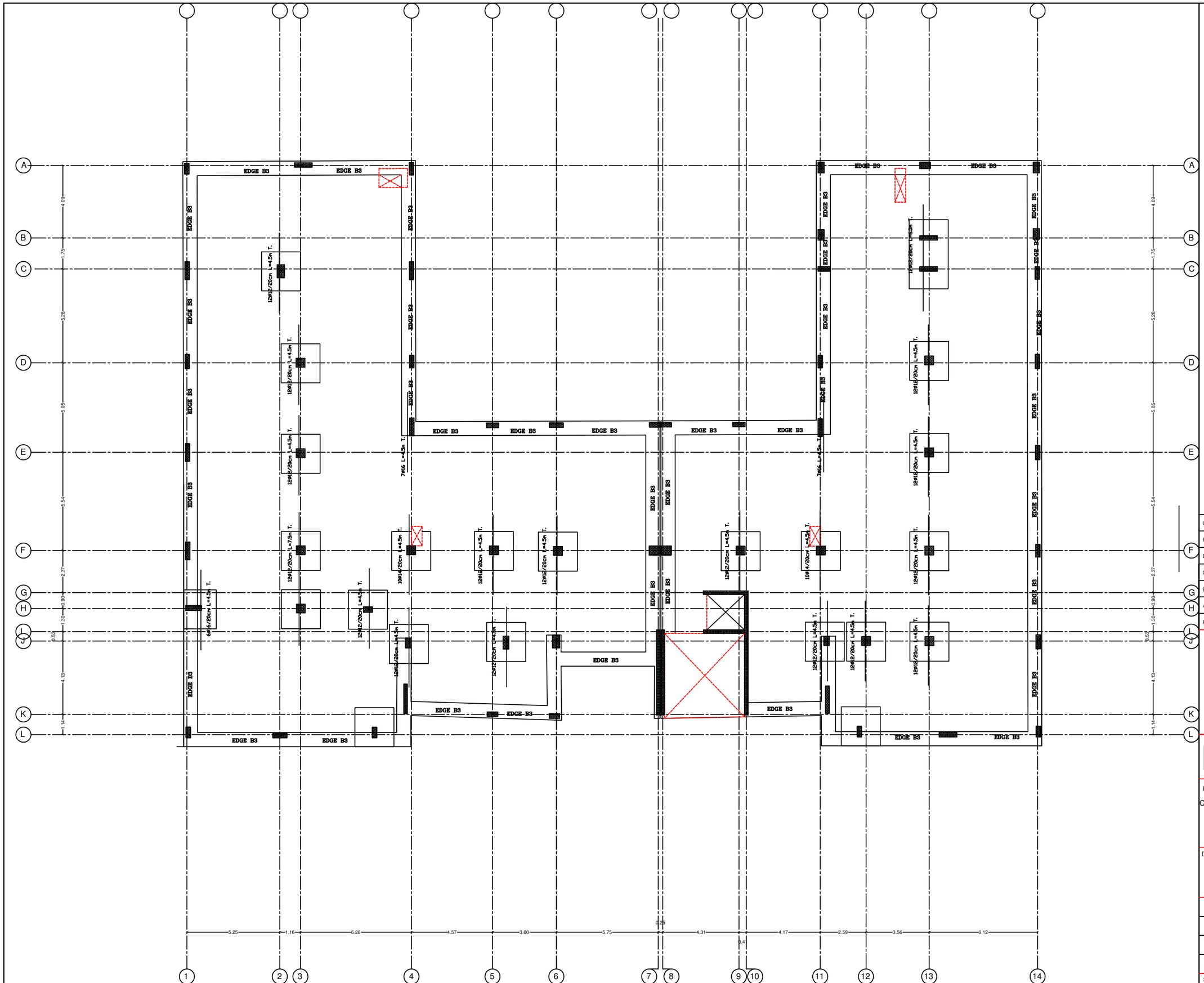
Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

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FIRST FLOOR SLAB

SCALE	DATE	DRAWING NO.
1:100	9/ 2018	S-13



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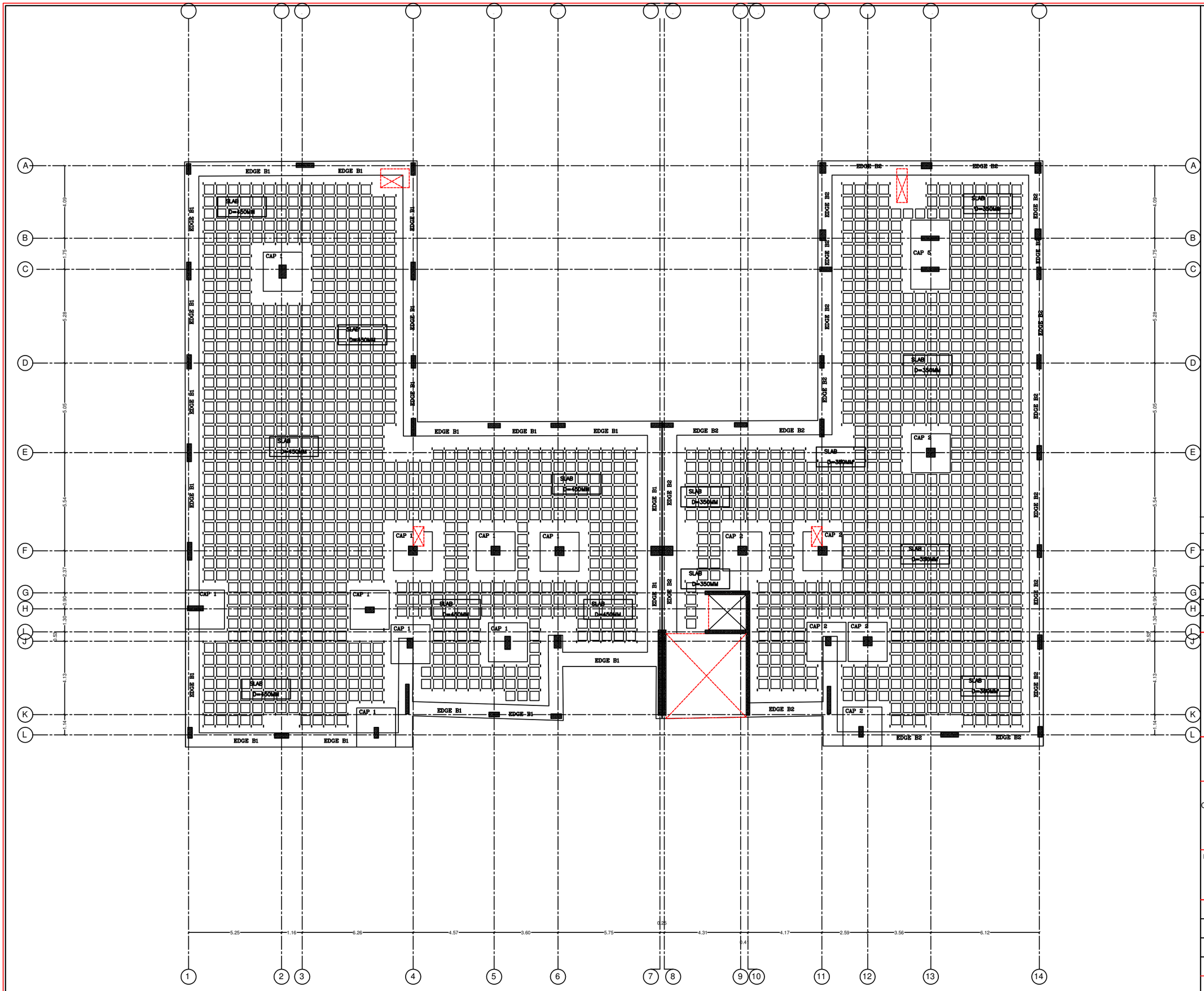
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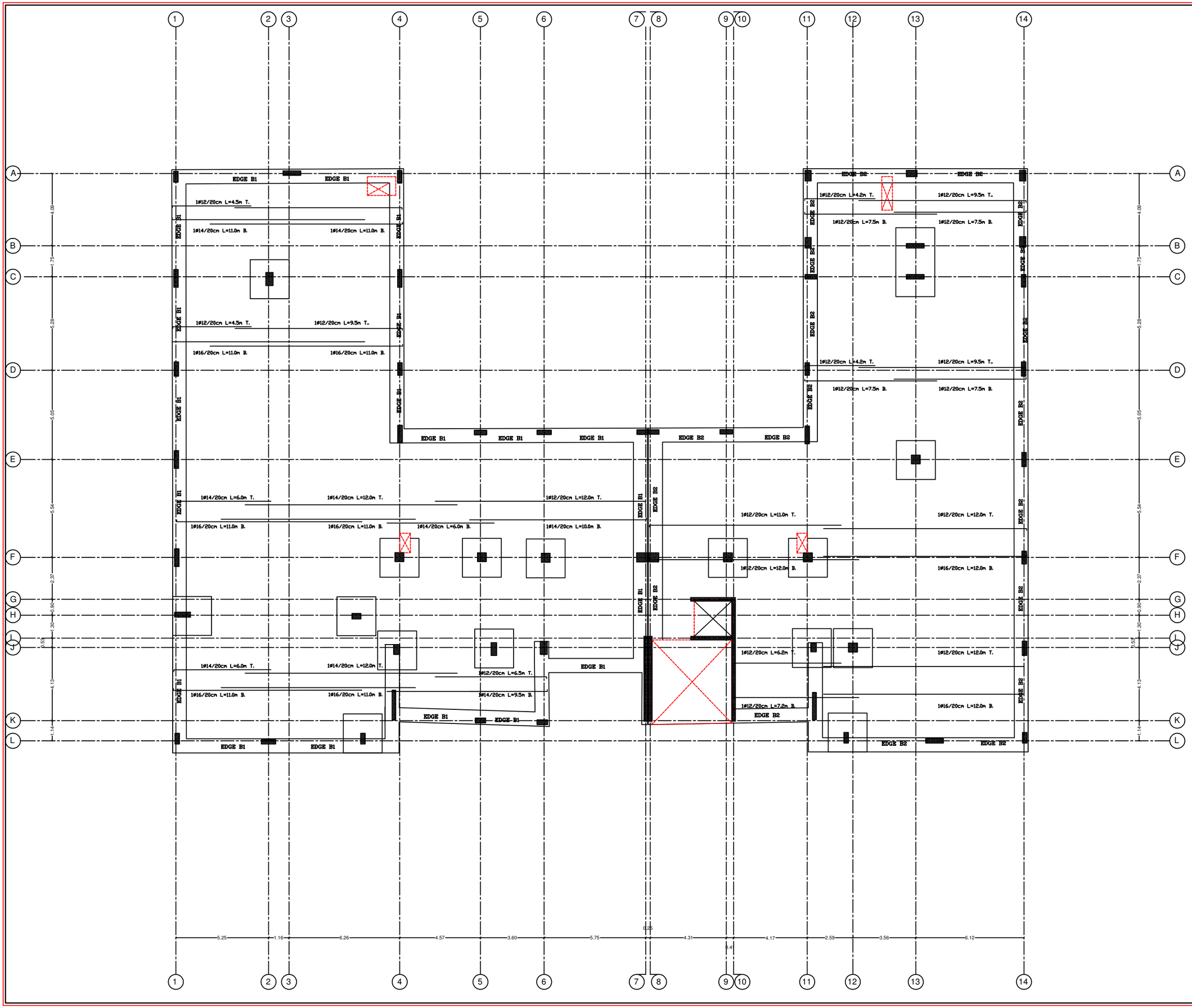
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SECOND FLOOR SLAB

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PROJECT TITLE

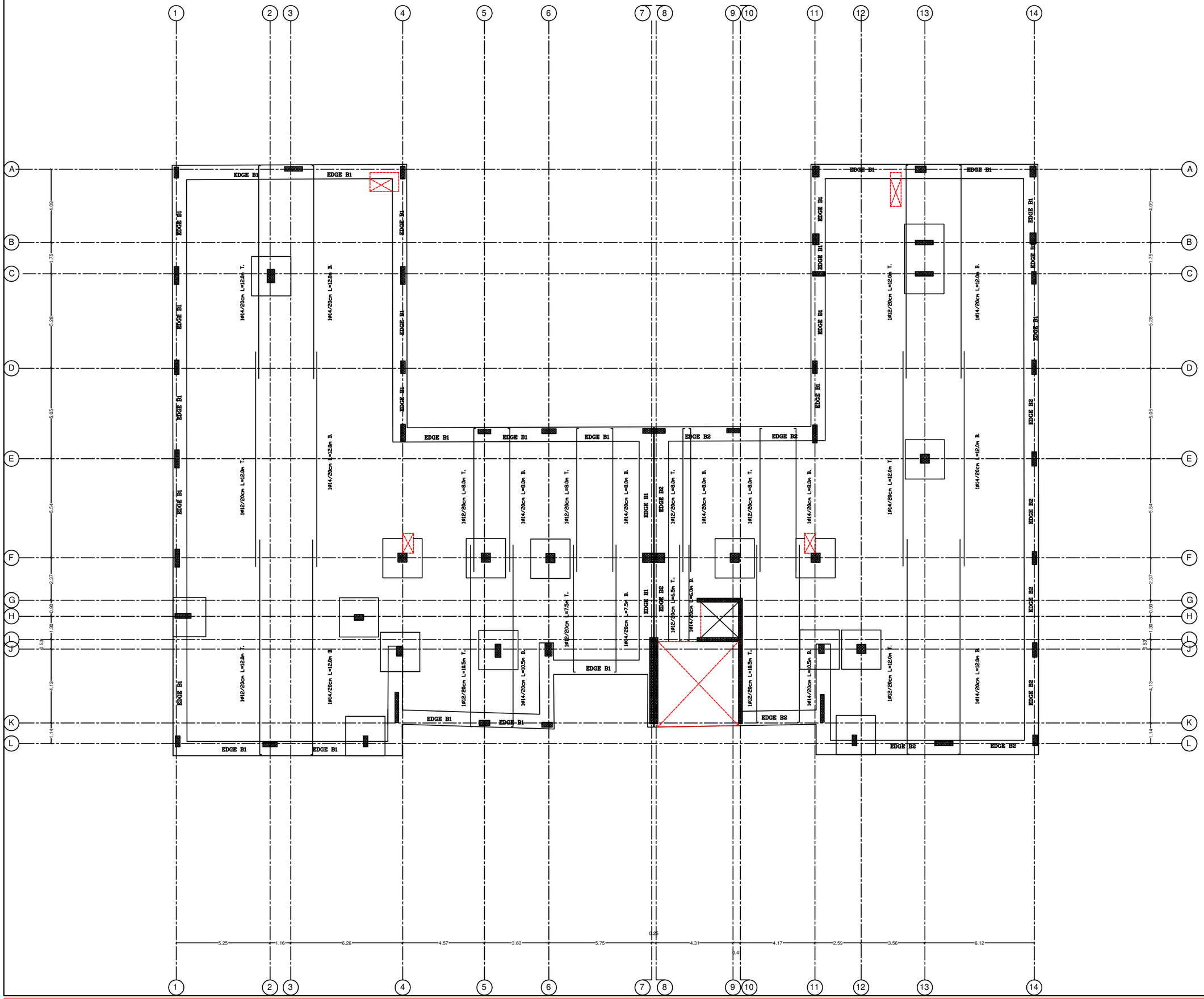
Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

JERICHO

DRAWING Title

SECOND FLOOR SLAB

SCALE	DATE	DRAWING NO.
1:100	9/ 2018	S-17



N

Rev. No.	Rev. Description	Date
G.		
F.		
E.		
C.	THIRD REVISION	29/8/2018
B.	SECOND REVISION	7/8/2018
A.	FIRST REVISION	24/7/2018

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PROJECT TITLE

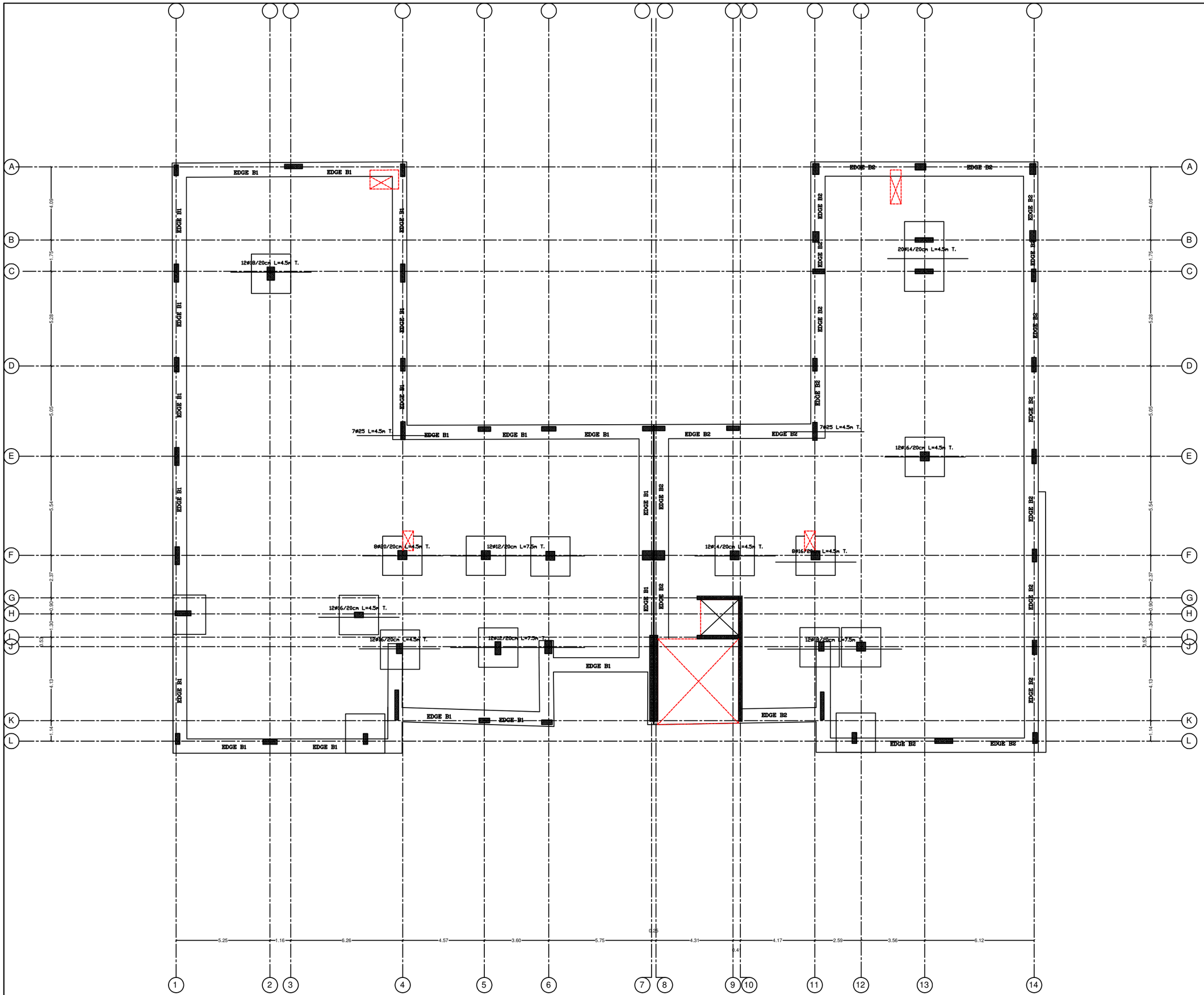
Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

JERICHO

DRAWING Title

SECOND FLOOR SLAB

SCALE	DATE	DRAWING NO.
1:100	9/ 2018	S-18



Rev. No.	Rev. Description	Date
G.		
F.		
E.		
C.	THIRD REVISION	29/8/2018
B.	SECOND REVISION	7/8/2018
A.	FIRST REVISION	24/7/2018

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PROJECT TITLE

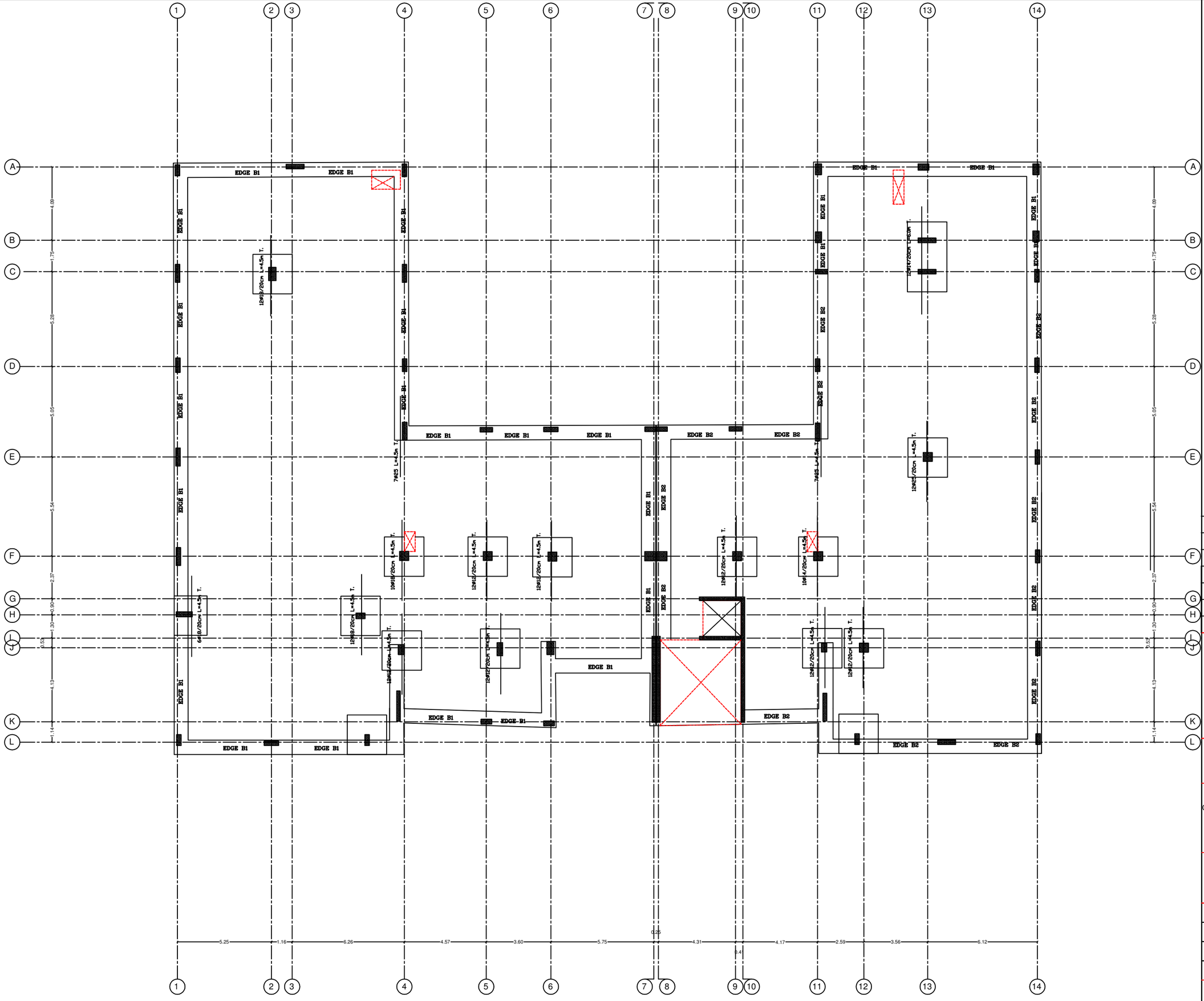
Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

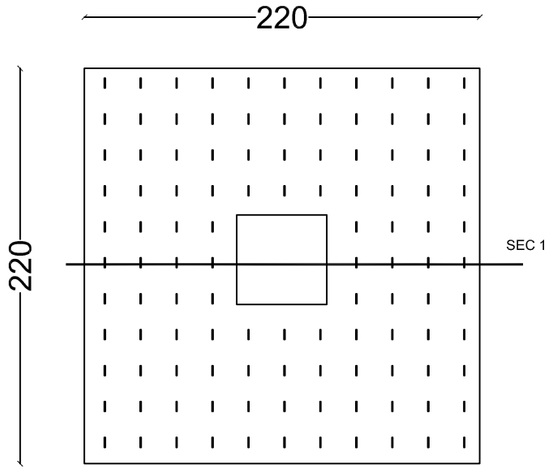
JERICHO

DRAWING Title

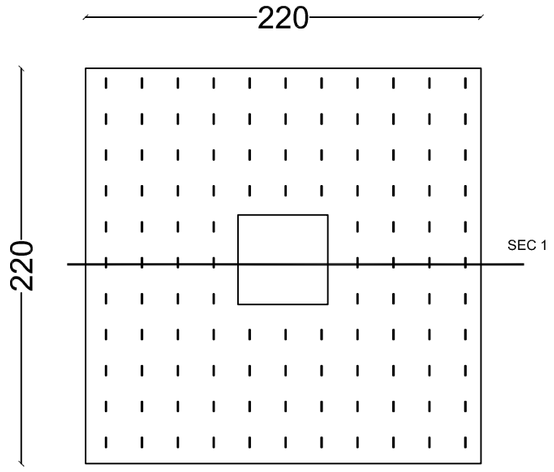
SECOND FLOOR SLAB

SCALE	DATE	DRAWING NO.
1:100	9/ 2018	S-19

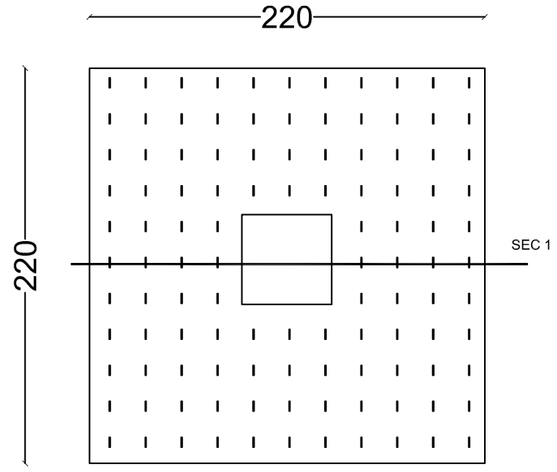

EDGE B1
EDGE B2
12#13/20cm L=4.5m T.
7#25 L=4.5m T.
10#18/20cm L=4.5m T.
6#18/20cm L=4.5m T.
12#12/20cm L=4.5m T.
12#12/20cm L=4.5m T.
12#12/20cm L=4.5m T.
12#12/20cm L=4.5m T.
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12#12/20cm L=4.5m T.
10#14/20cm L=4.5m T.
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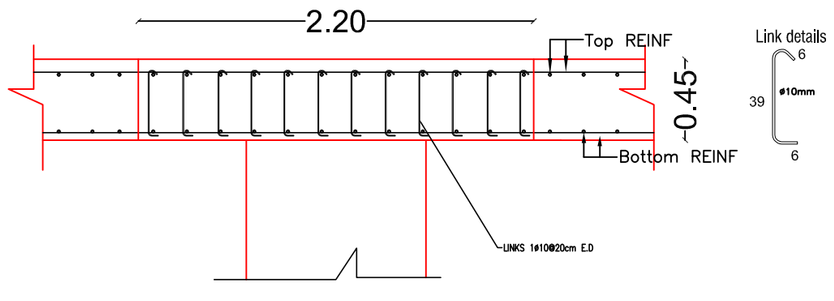
CAP 1 PLAN
SCALE 1:25



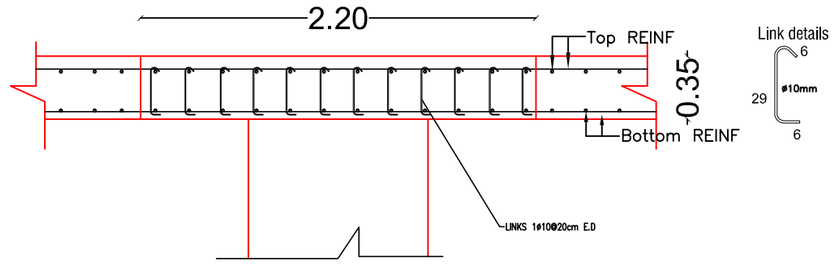
CAP 2 PLAN
SCALE 1:25



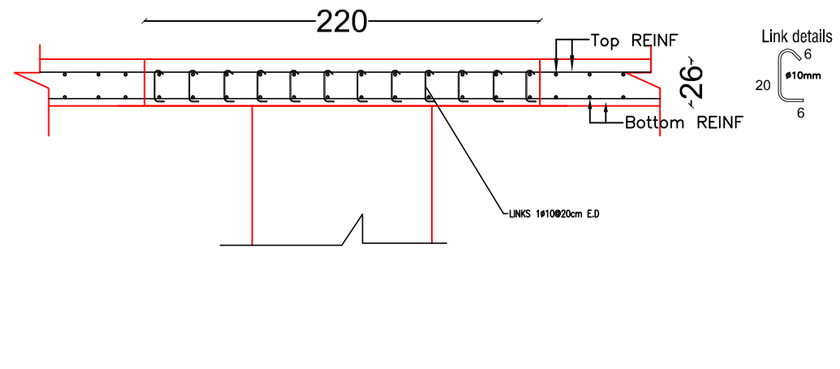
CAP 3 PLAN
SCALE 1:25



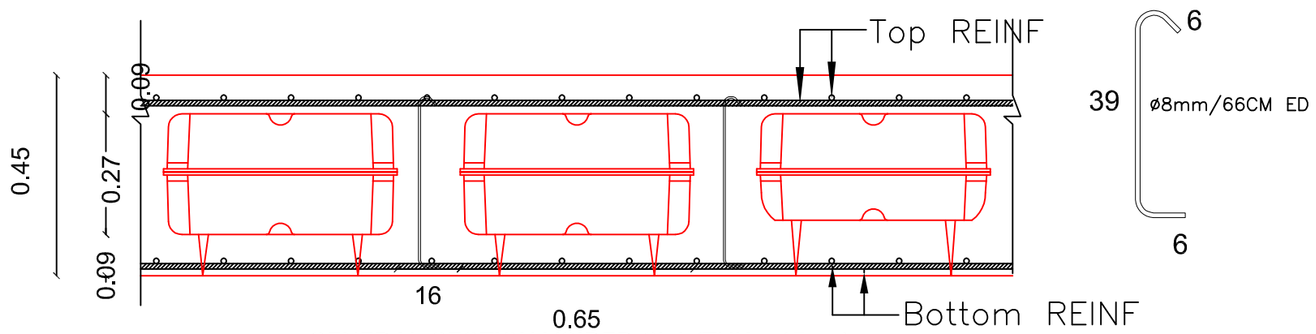
SECTION 1 IN CAP 1
SCALE 1:25



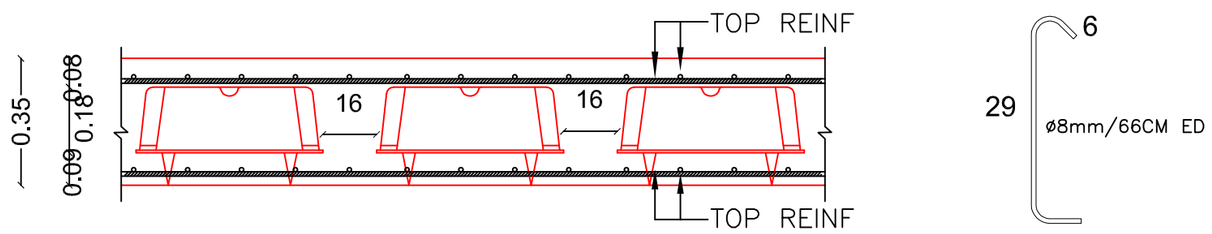
SECTION 1 IN CAP 2
SCALE 1:25



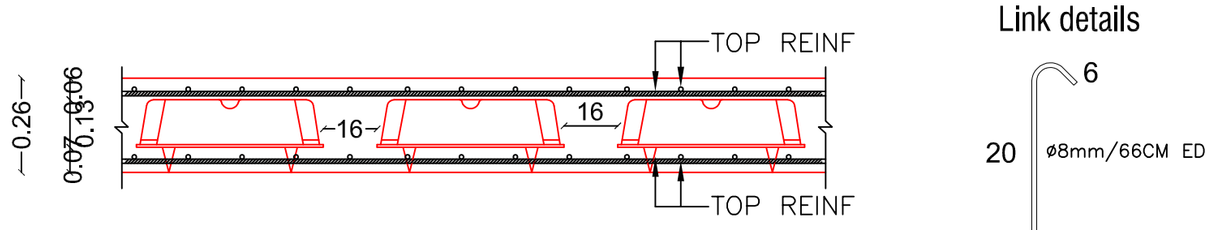
SECTION 1 IN CAP 3
SCALE 1:25



GENERAL SECTION VOIDED Slab(THK=45cm)
SCALE 1:20



GENERAL SECTION VOIDED Slab(THK=35cm)
SCALE 1:20



GENERAL SECTION VOIDED Slab(THK=26cm)
SCALE 1:20

Rev. No.	Rev. Description	Date
G.		
F.		
E.		
C.	THIRD REVISION	29/8/2018
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A.	FIRST REVISION	24/7/2018

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PROJECT TITLE

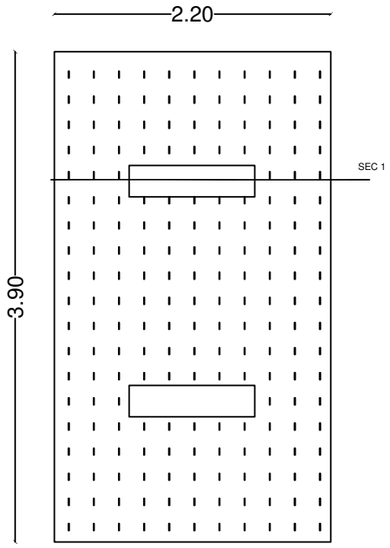
Construction of Two Additional Floors to the Administration Building at Jericho Agro-Industrial Park

JERICHO

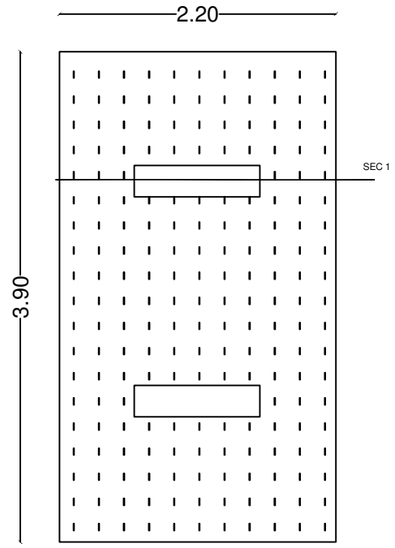
DRAWING TItle

CAPS AND BEAMS DETAILS

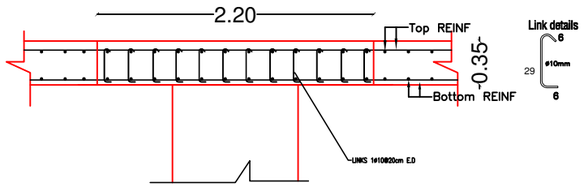
SCALE	DATE	DRAWING NO.
1:100	9/ 2018	S-15

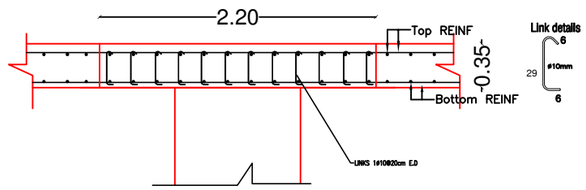


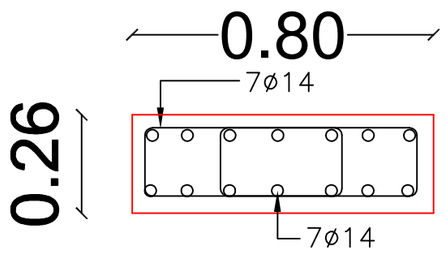
SECTION 1 IN CAP 4
SCALE 1:25



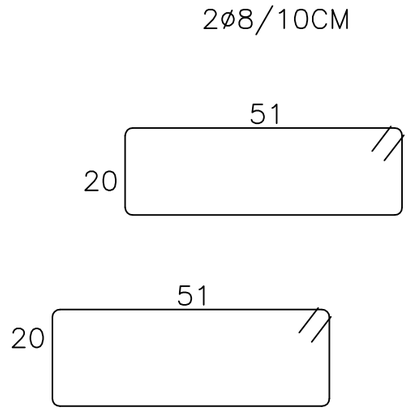
SECTION 1 IN CAP 5
SCALE 1:25





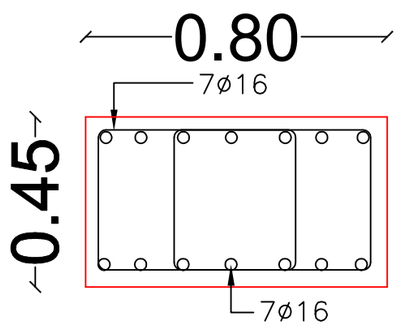


CR.SEC. IN EDGE B3
1:25

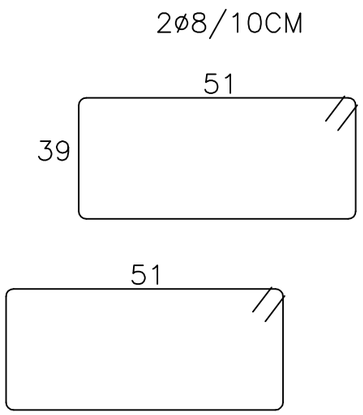


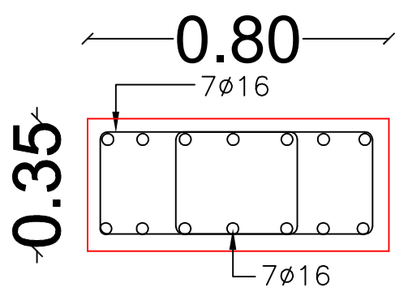
SECTION 1 IN CAP 4
SCALE 1:25

SECTION 1 IN CAP 5
SCALE 1:25

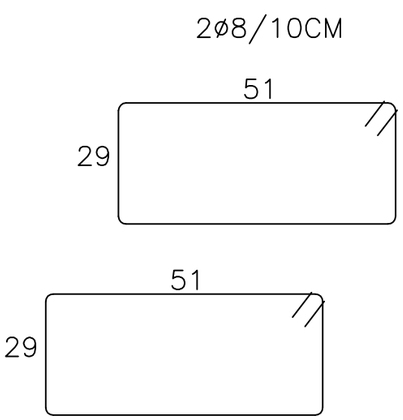


CR.SEC. IN EDGE B1
1:25





CR.SEC. IN EDGE B2
1:25



Rev. No.	Rev. Description	Date
G.		
F.		
E.		
C.	THIRD REVISION	29/8/2018
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A.	FIRST REVISION	24/7/2018

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PROJECT TITLE

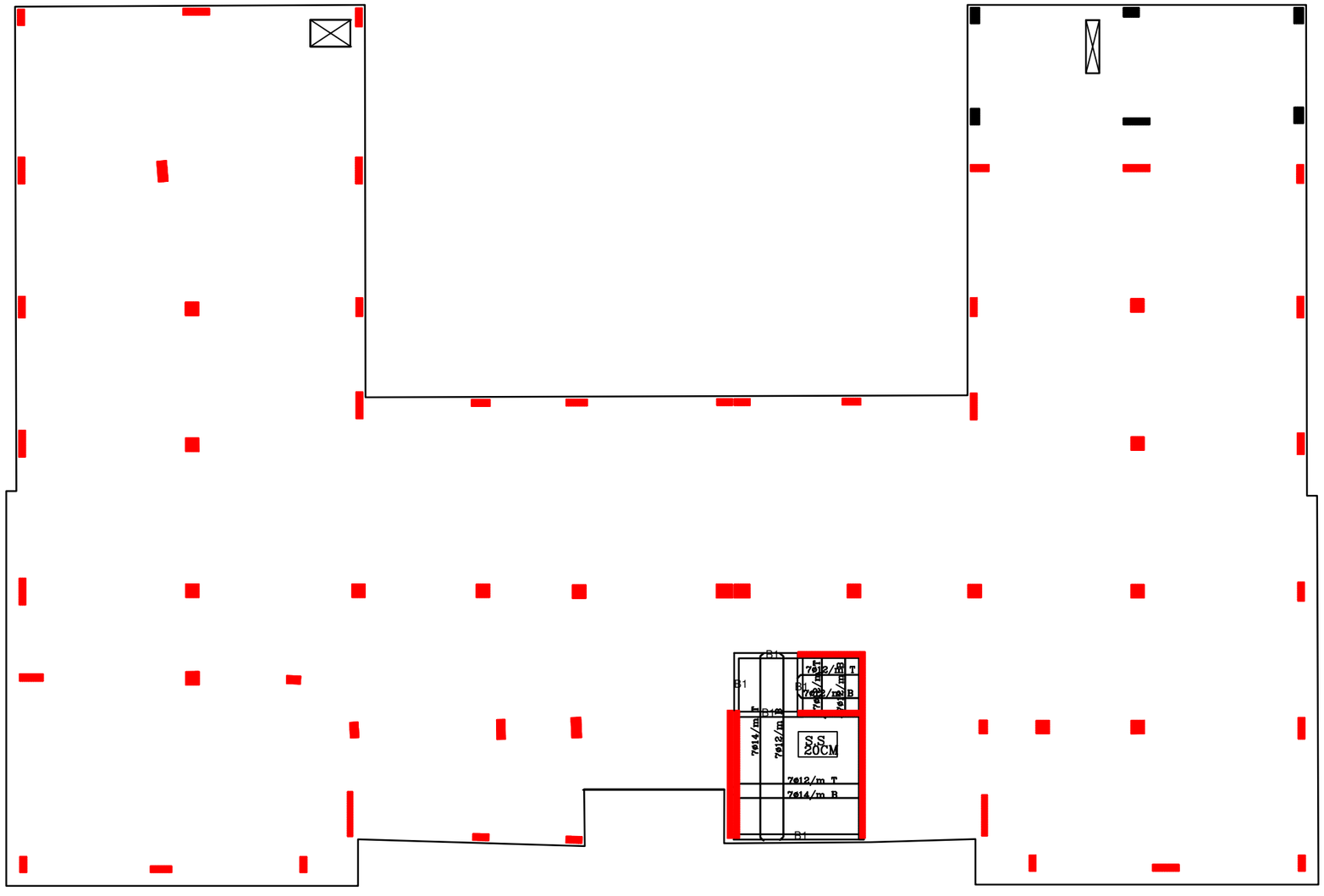
Construction of Two Additional Floors to the Administratic
Building at Jericho Agro-Industrial Park

JERICHO

DRAWING Title

CAPS AND BEAMS DETAILS

SCALE	DATE	DRAWING NO.
1:100	9/ 2018	S-21





Rev. No.	Rev. Description	Date
G.		
F.		
E.		
C.	THIRD REVISION	29/8/2018
B.	SECOND REVISION	7/8/2018
A.	FIRST REVISION	24/7/2018

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PROJECT TITLE

Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

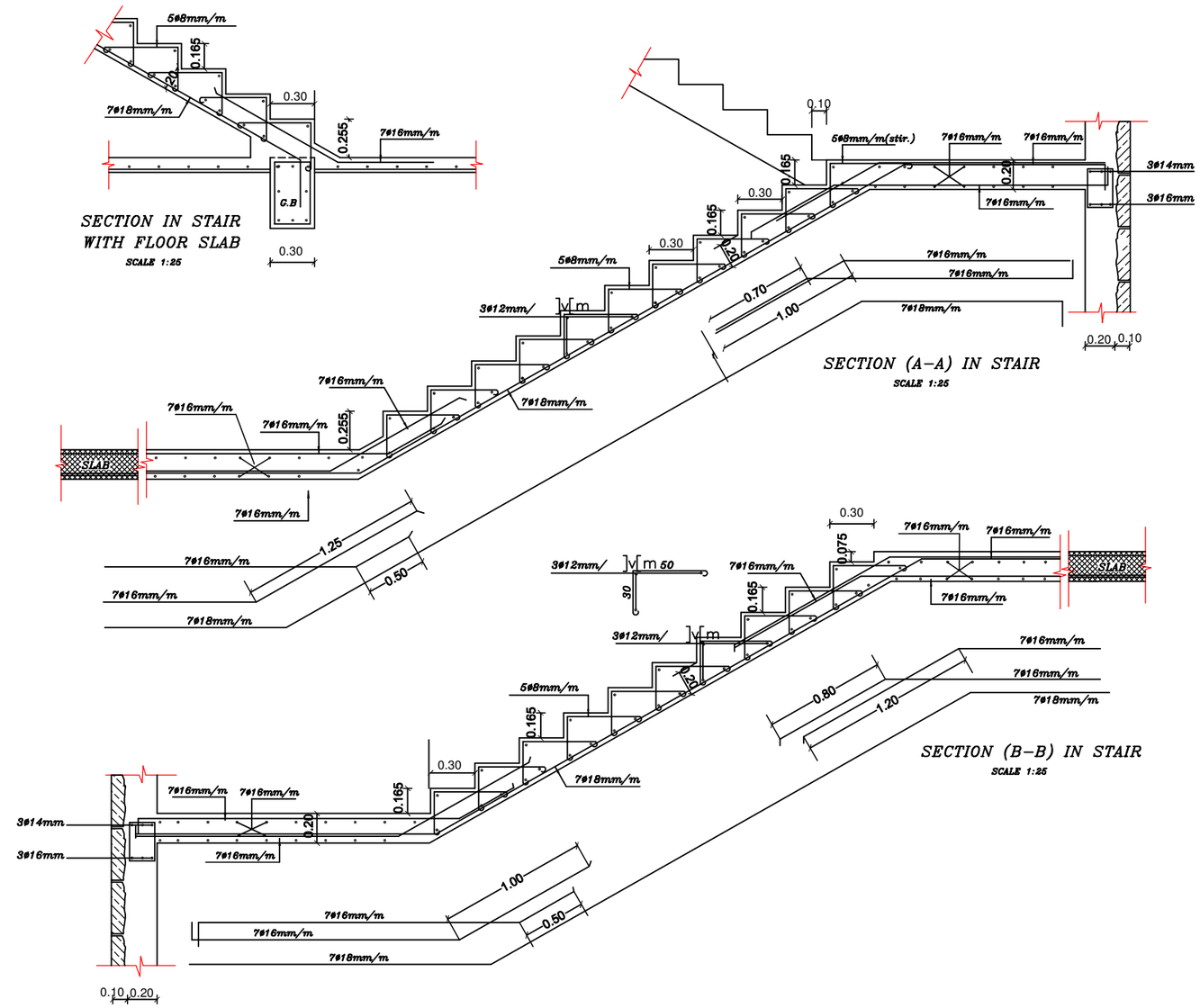
JERICHO

DRAWING Title

STAIR CASE SLAB

STRUCTURAL : HEBA SHQAIR	
DRAWN : HEBA SHQAIR	
CHECKED : AMANI ARAFAT	
APPROVED : AMANI ARAFAT	

SCALE	DATE	DRAWING NO.
1:100	9/ 2018	S22



Rev. No.	Rev. Description	Date
G.		
F.		
E.		
C.	THIRD REVISION	29/8/2018
B.	SECOND REVISION	7/8/2018
A.	FIRST REVISION	24/7/2018

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PROJECT TITLE

Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

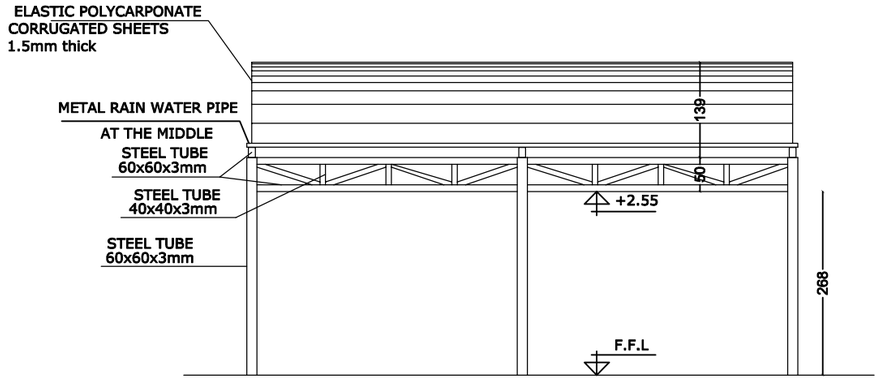
JERICHO

DRAWING Title

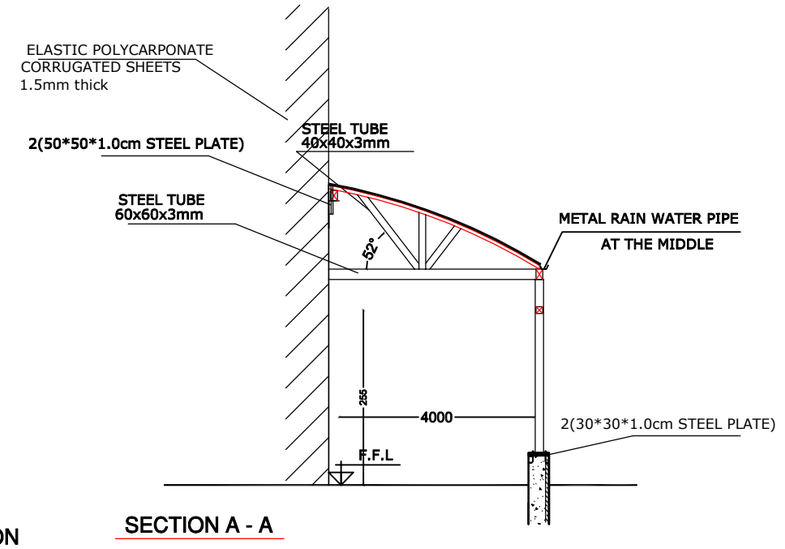
STAIR DETAILS

STRUCTURAL : HEBA SHQAIR	
DRAWN : HEBA SHQAIR	
CHECKED : AMANI ARAFAT	
APPROVED : AMANI ARAFAT	

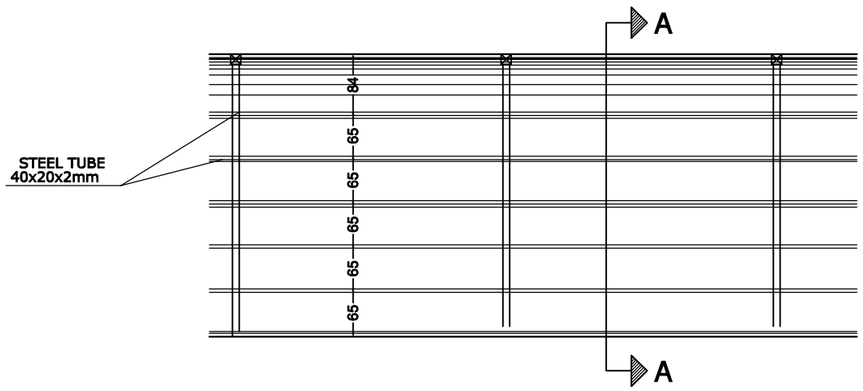
SCALE	DATE	DRAWING NO.
1:100	9/ 2018	S23



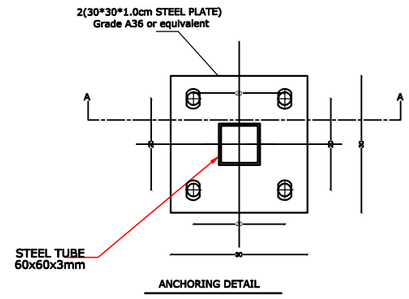
ELEVATION



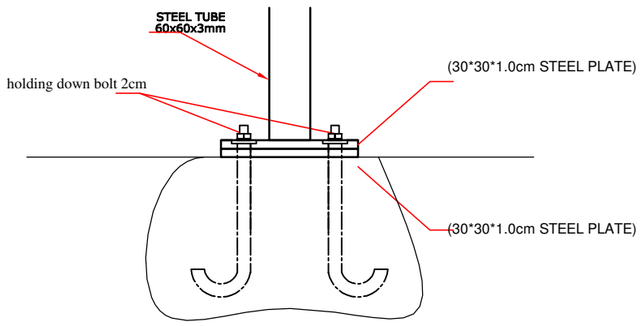
SECTION A - A



STEEL PERGOLA PLAN AT THE SHADE AREA



ANCHORING DETAIL



N

Rev. No.	Rev. Description	Date
G.		
F.		
E.		
C.	THIRD REVISION	29/8/2018
B.	SECOND REVISION	7/8/2018
A.	FIRST REVISION	24/7/2018

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PROJECT TITLE

Construction of Two Additional Floors to the Administratic Building at Jericho Agro-Industrial Park

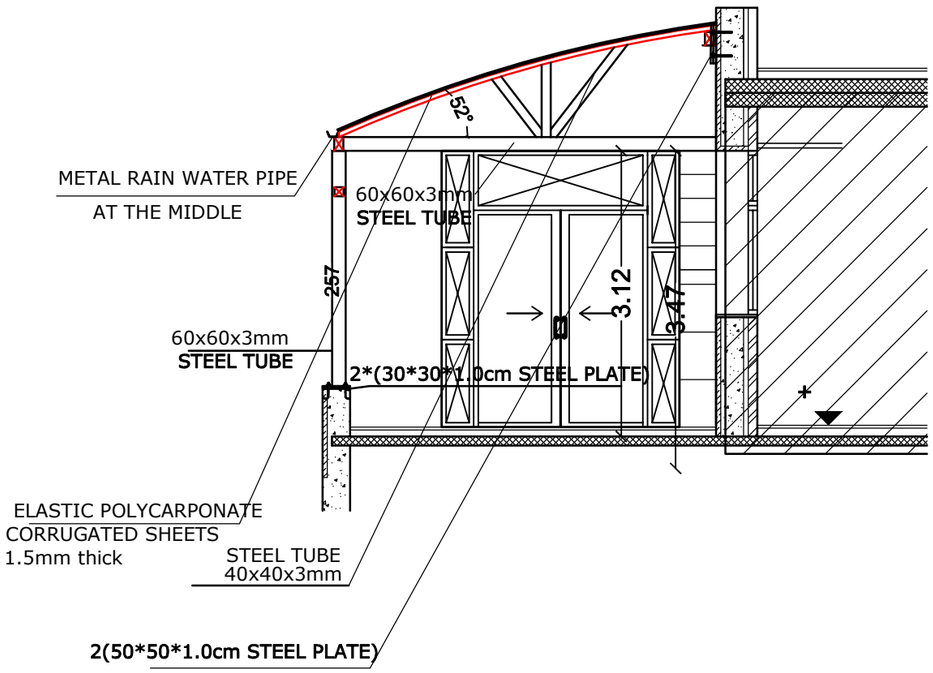
JERICHO

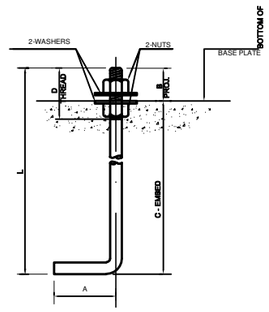
DRAWING Title

SHADED AREA DETAIL

STRUCTURAL : HEBA SHQAIR	
DRAWN : HEBA SHQAIR	
CHECKED : AMANI ARAFAT	
APPROVED : AMANI ARAFAT	

SCALE	DATE	DRAWING NO.
	9/ 2018	S24



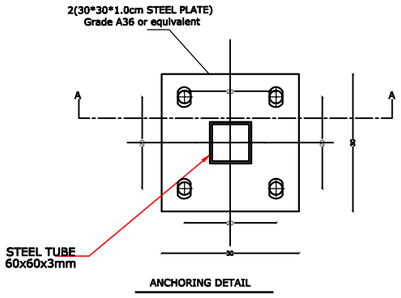


ANCHOR BOLT SETTING

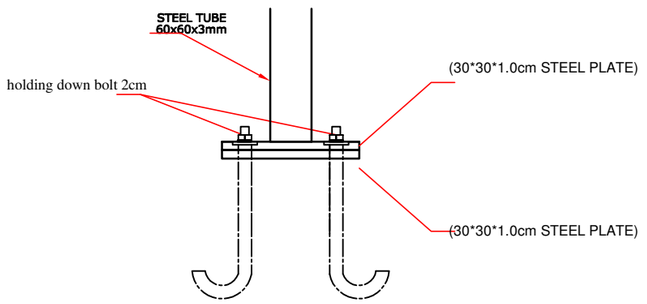
DETAIL `K'

SYMBOL	DIAMETER	L	A	B	C	D
⌖	20	450	200	100	300	150

ANCHOR BOLTS ARE HOT DIP GALVANIZED



ANCHORING DETAIL



Rev. No.	Rev. Description	Date
G.		
F.		
E.		
C.	THIRD REVISION	29/8/2018
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DRAWING Title

SHADED AREA DETAIL

STRUCTURAL : HEBA SHQAIR		
DRAWN : HEBA SHQAIR		
CHECKED : AMANI ARAFAT		
APPROVED : AMANI ARAFAT		
SCALE	DATE	DRAWING NO.
	9/ 2018	S25