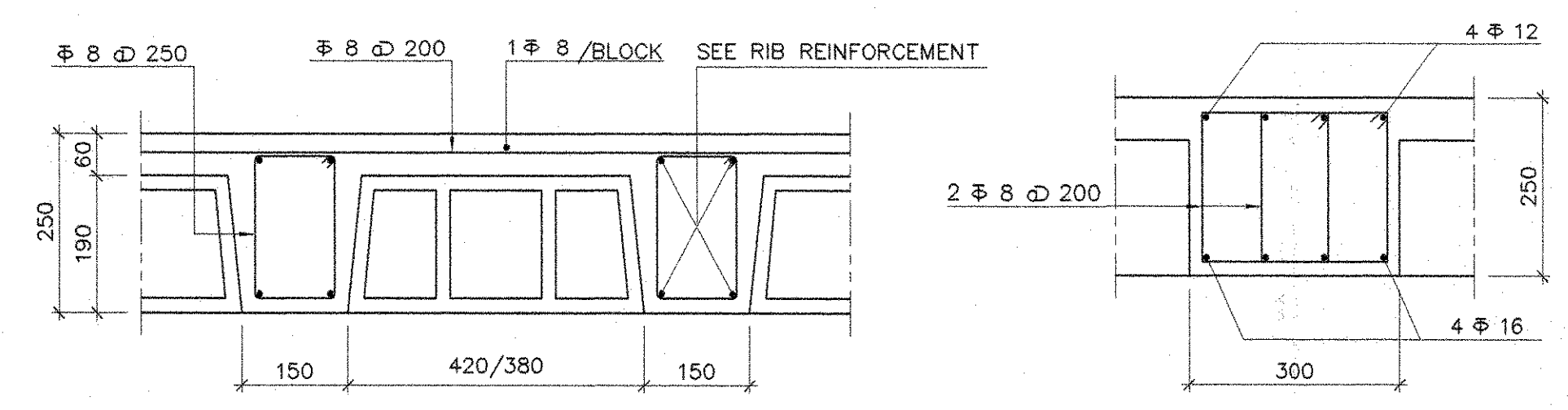
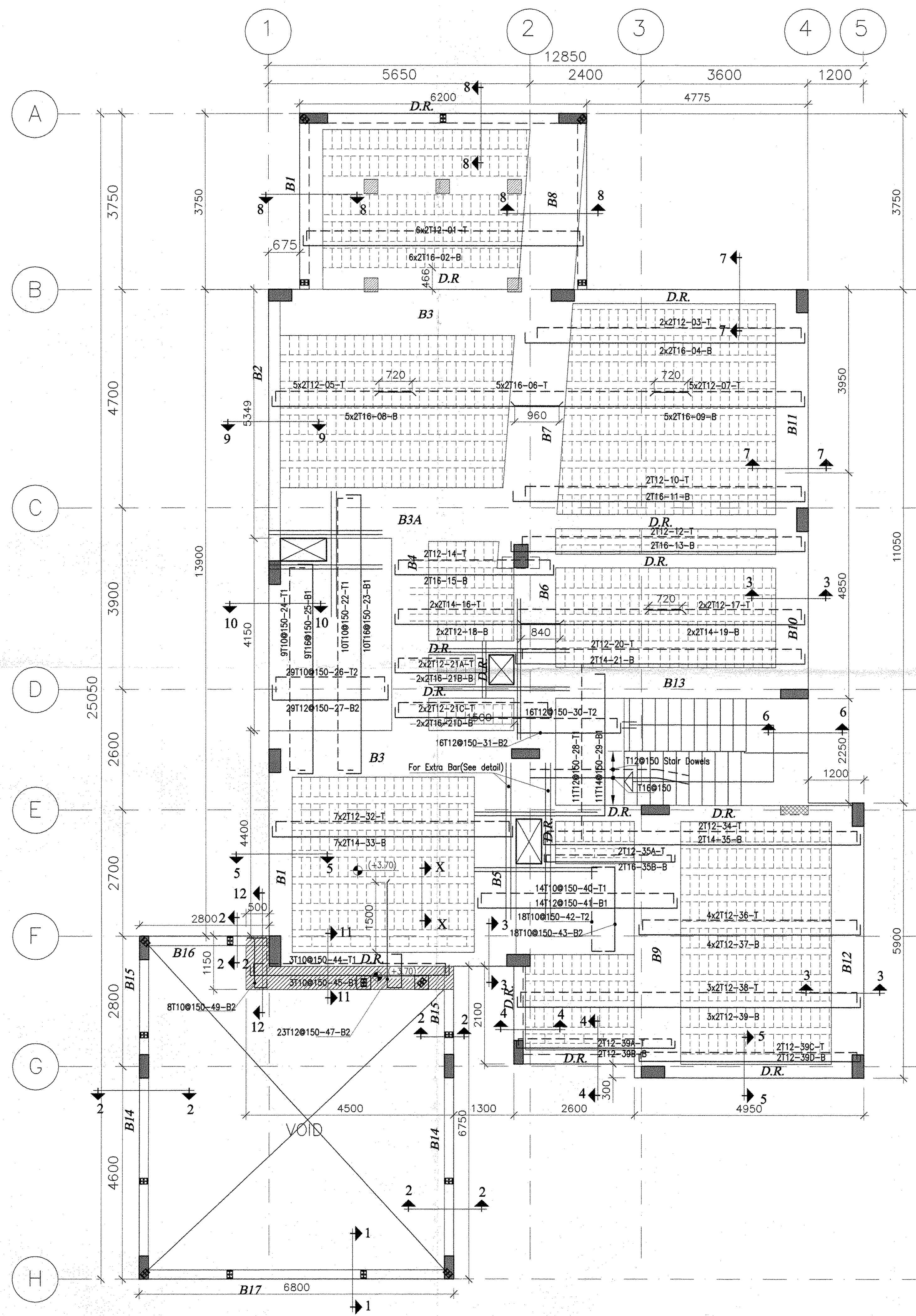




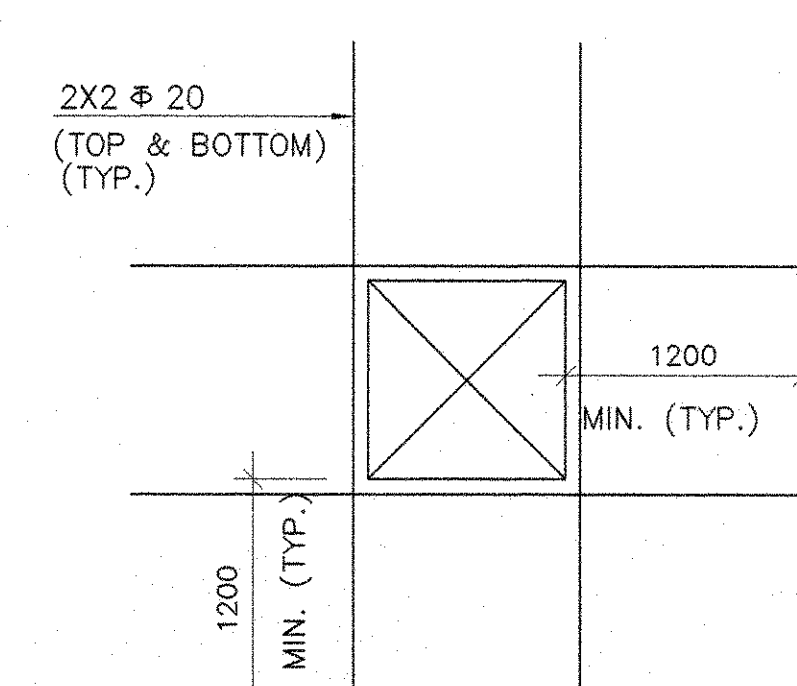
Section X-X

Typical Section of Double Rib

FIRST FLOOR BEAM SCHEDULE											
BEAM N°	DIMENSION		BOTTOM STEEL	TOP STEEL			BARS LOCATION		STIRRUPS		
	W. (mm)	T. (mm)		END1	SUPPORT	END 2	C.L.	C.L.	S1	S2	SPACING
B1	500	250	5 Φ 16	5 Φ 12	—	—			1 Φ 8	1 Φ 8	
B2	250	550	2 Φ 20 + 2 Φ 20	2 Φ 14	—	—			1 Φ 8	—	
B3	1000	250	10 Φ 20	10 Φ 12	—	—			1 Φ 8	2 Φ 8	
B3A	1080	250	10 Φ 20	10 Φ 12	—	—			1 Φ 8	2 Φ 8	
B4	800	250	7 Φ 20	7 Φ 12	—	—			1 Φ 8	1 Φ 8	
B5	900	250	4 Φ 20 + 4 Φ 16	8 Φ 12	—	—			1 Φ 8	2 Φ 8	
B6	900	250	2 Φ 20 + 6 Φ 16	8 Φ 12	—	—			1 Φ 8	2 Φ 8	
B7	1200	250	4 Φ 25 + 7 Φ 20	11 Φ 12	4 Φ 25 + 7 Φ 20	—			1 Φ 8	3 Φ 8	
B8	1200	250	11 Φ 12	—	—	11 Φ 12			1 Φ 8	3 Φ 8	
B9	1000	250	10 Φ 20	10 Φ 12	—	—			1 Φ 8	2 Φ 8	
B10	700	250	6 Φ 14	6 Φ 12	6 Φ 20	—			1 Φ 8	1 Φ 8	
B11	700	250	6 Φ 16	—	—	6 Φ 12			1 Φ 8	1 Φ 8	
B12	700	250	6 Φ 20	6 Φ 12	—	—			1 Φ 8	1 Φ 8	
B13	600	250	5 Φ 16	5 Φ 12	—	—			1 Φ 8	1 Φ 8	
B14	200	550	2 Φ 16	2 Φ 12	2 Φ 16	—			1 Φ 8	—	
B15	200	550	2 Φ 12	—	—	2 Φ 12			1 Φ 8	—	
B16	200	550	2 Φ 14	2 Φ 12	—	—			1 Φ 8	—	
B17	200	550	2 Φ 25 + 2 Φ 16	2 Φ 12	—	—			1 Φ 8	—	

AS SHOWN ON LONGITUDINAL SECTION

AS SHOWN ON LONGITUDINAL SECTION



Extra Bar details
At opening

dar al-handasah
Share and Partners

☒ CODE 1 APPROVED
☐ CODE 2 APPROVED AS NOTED
☐ CODE 3 REQUEST FOR APPROVAL
☐ CODE 4 REJECTED

BY: DATE: 7/8/11

Approval shall not relieve the contractor of any of his obligations under the Contract or constitute authorization of any change to Contract Documents or variation to the works. Contractors responsibility for dimensions, quantities and coordination with other trades.

KEY PLAN

A APPROVED
 B APPROVED AS NOTED
 C NOT APPROVED
 D INFORMATION

Name & Position: _____ Signature: _____ Date: _____

NOTES:-

- ALL DIMENSIONS ARE IN MM AND LEVELS ARE METERS UNLESS NOTED OTHERWISE.
- ALL REINFORCEMENT EXCEPT TIES & STIRRUPS UNLESS OTHERWISE INDICATED TO BE HIGH TENSILE STEEL TO BS 4449 HAVING A MINIMUM YIELD STRESS $f_y \geq 420$ MPa (DESIGNATED BY B5).
- ALL REINFORCED CONCRETE SHOULD HAVE A MINIMUM CRUSHING STRENGTH ON CYLINDER AT 28 DAYS: $f_c = 35$ MPa.
- ALL PLAIN CONCRETE SHOULD HAVE A MINIMUM CRUSHING STRENGTH ON CYLINDER AT 28 DAYS: $f_c = 14$ MPa.
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- ALL SPLICES OF REINFORCEMENT SHOULD BE MIN. 60 BAR DIAMETER.
- UNLESS OTHERWISE NOTED, THE FOLLOWING NOMINAL CONCRETE COVER TO ALL REINFORCING BARS SHALL BE ADOPTED:
 - a - FOR SLABS AND WALLS NOT EXPOSED TO EARTH OR WEATHER: 30mm.
 - b - FOR BASEMENT WALLS: 50mm.
 - c - FOR DROP BEAMS AND COLUMNS: 40mm.
 - d - FOR FOUNDATIONS: 75mm.
 - e - FOR ALL SURFACES IN CONTACT WITH WATER OR VAPOUR: 50mm.
- FOOTING LEVELS AS PER APPROVED FOUNDATION FORMATION LEVEL.

AS BUILT DRAWING

Project: JUMEIRAH PARK

Employer: NAKHEEL

Consultant: dar al-handasah share and partners

Main Contractor: Pauling Middle East

Package: PACKAGE - 2

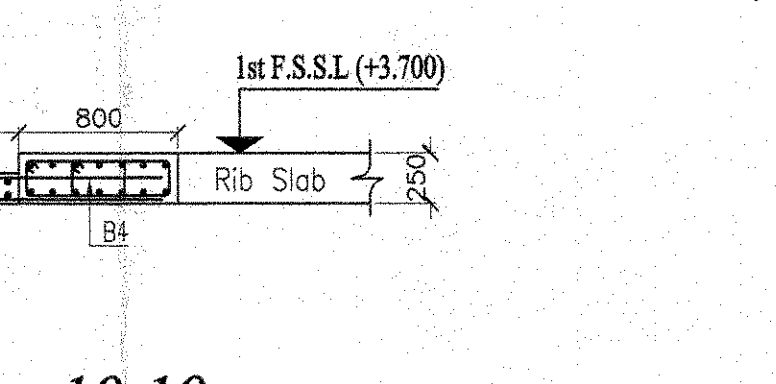
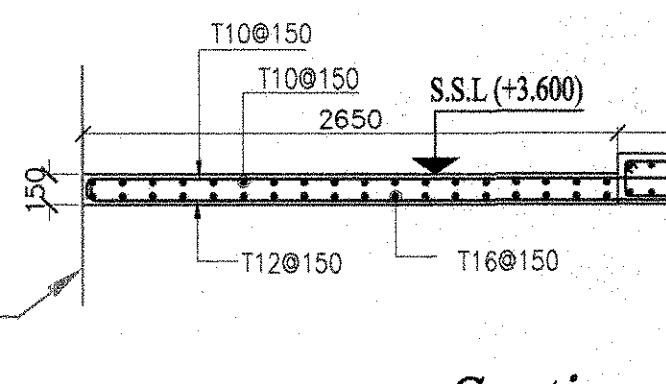
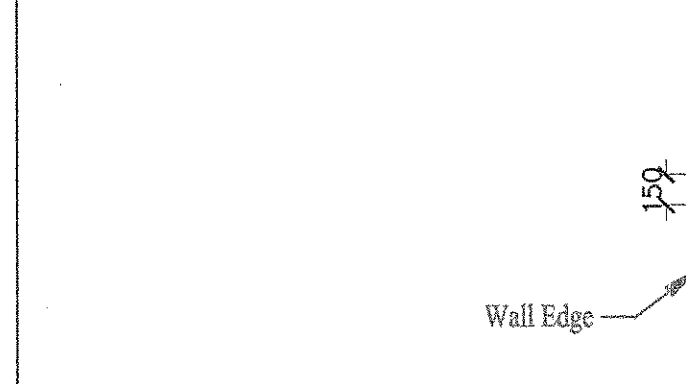
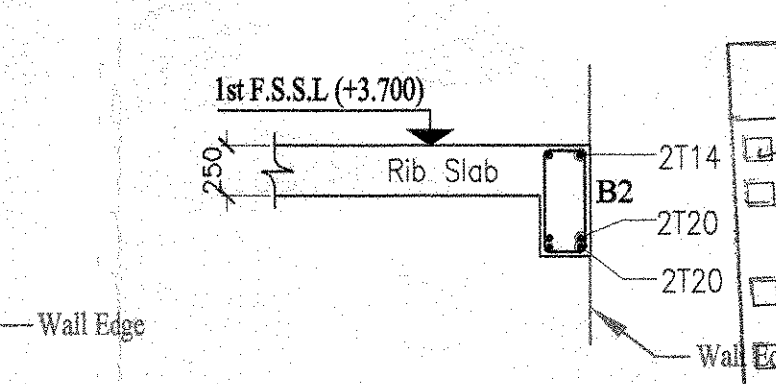
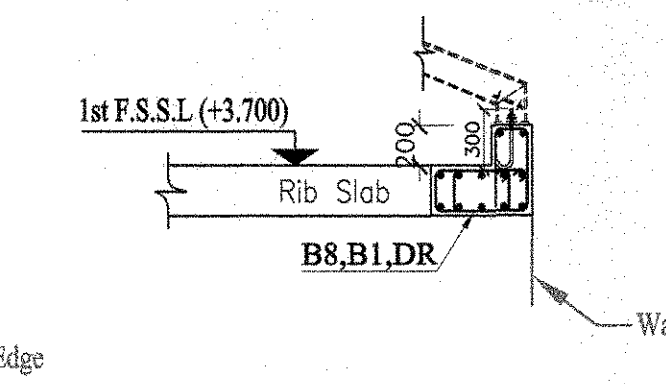
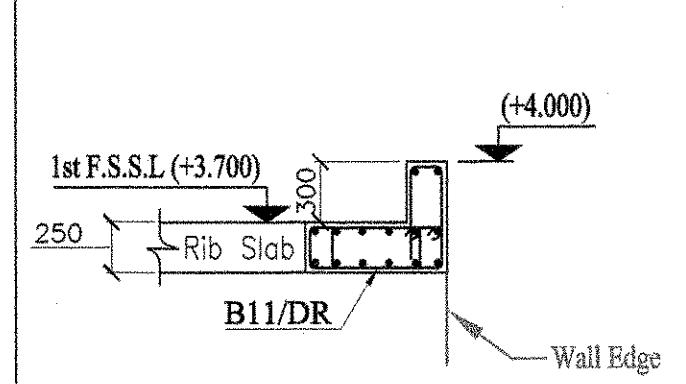
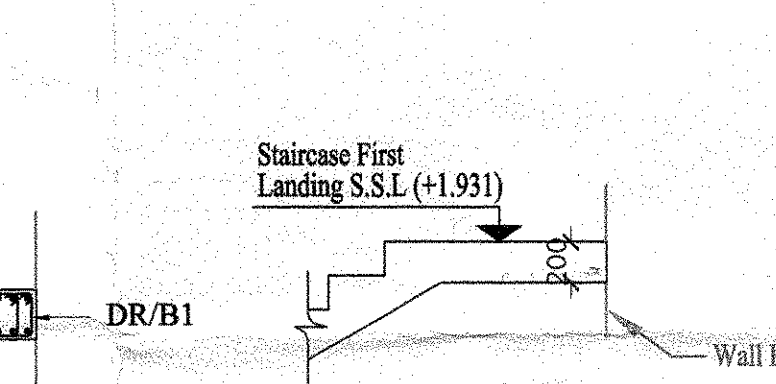
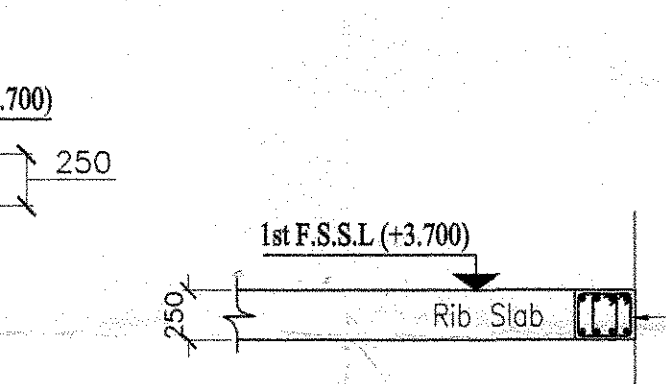
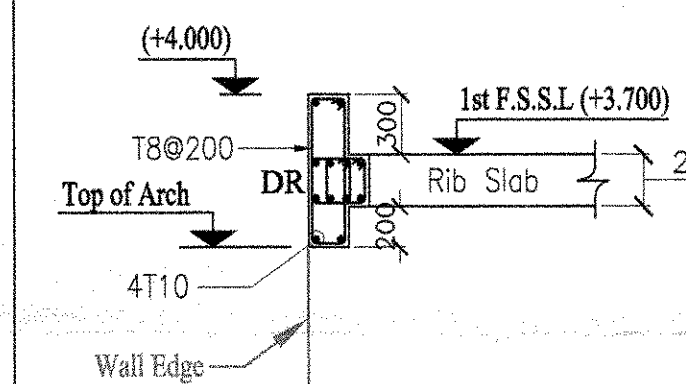
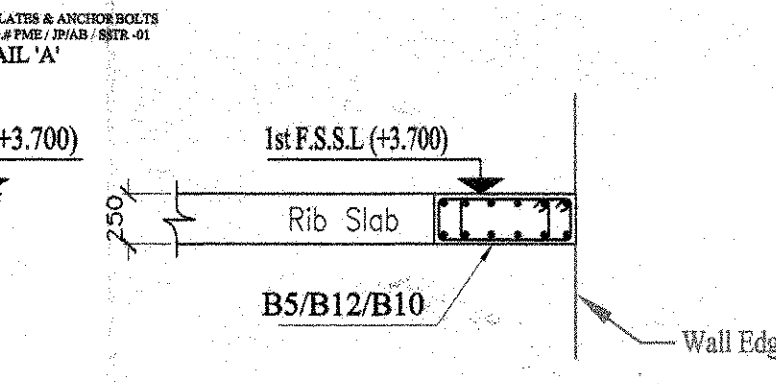
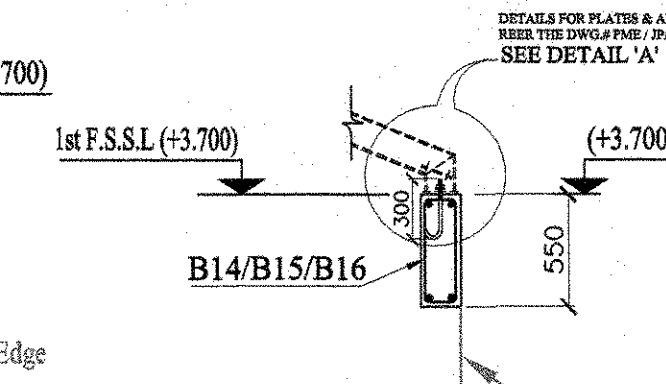
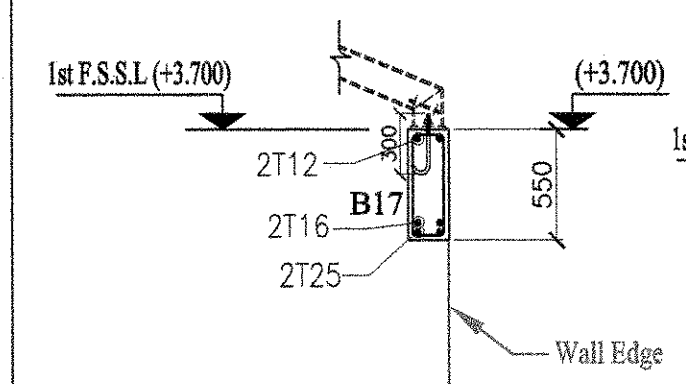
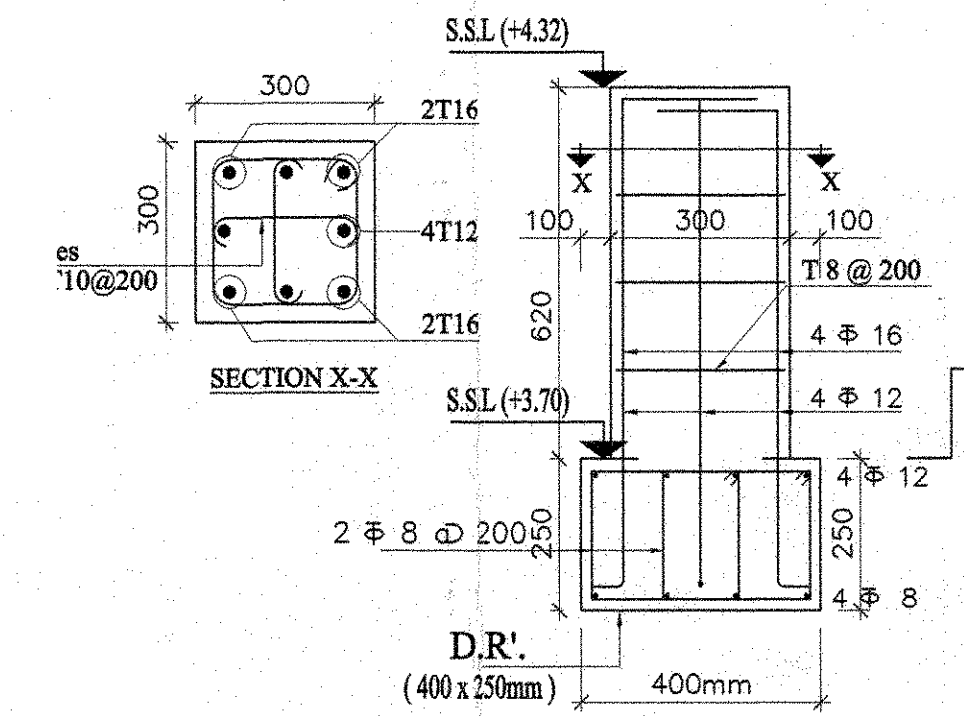
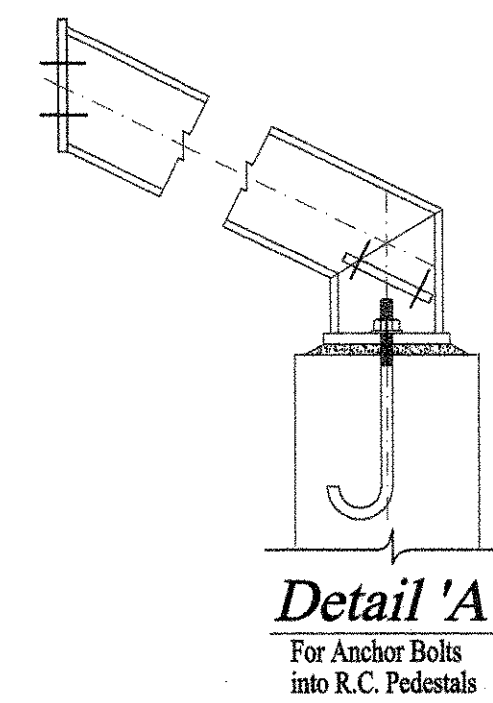
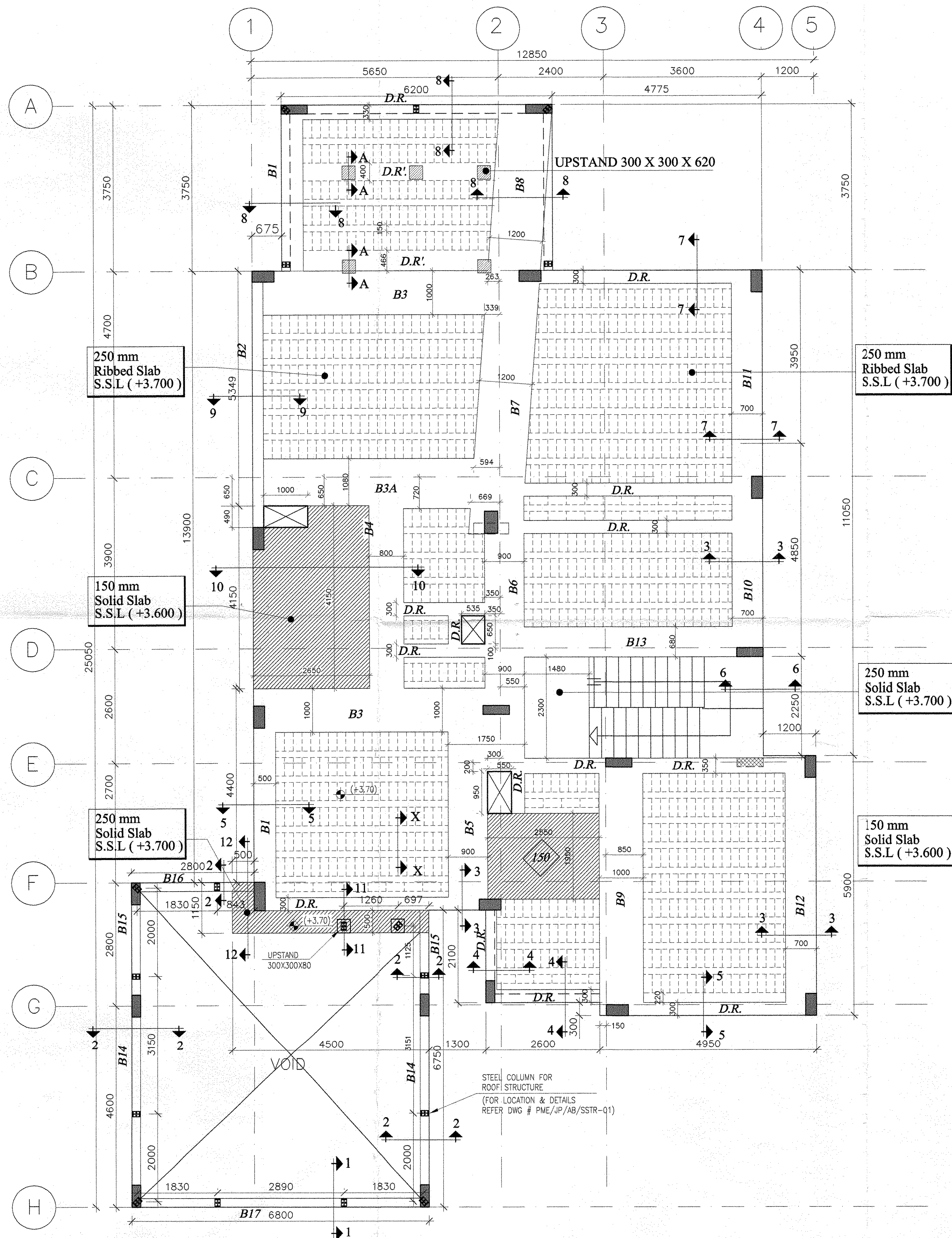
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Draw: T. Murrison Rev: Eng. zhad Check: Eng. Ghassan Zaitouni

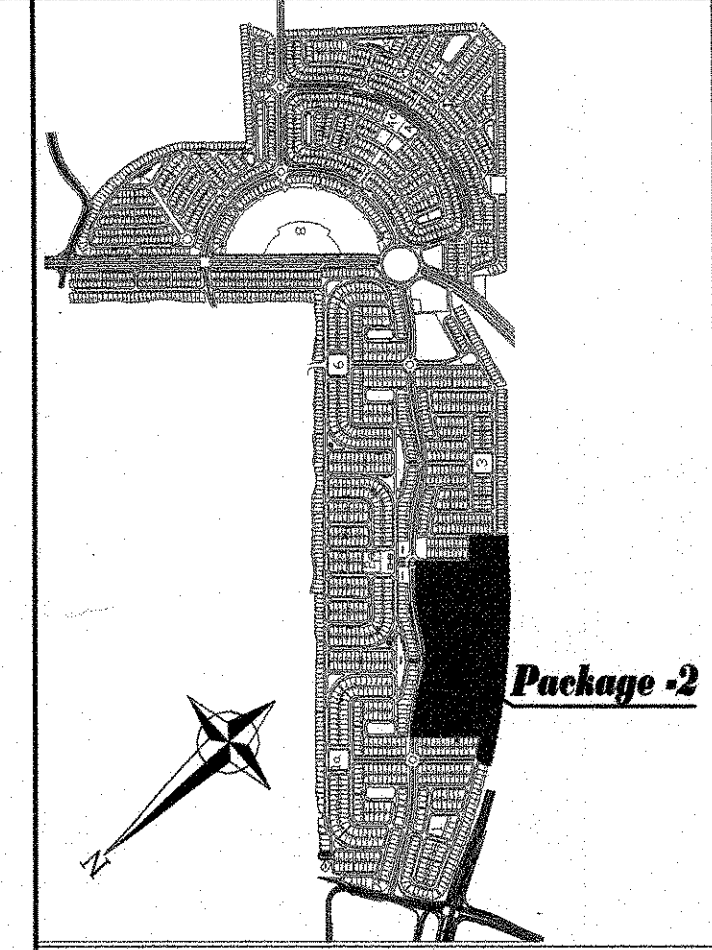
Date: 1/50 Date: 30-07-2011 Approved:

PME / JP / AB / LEGACY / STR-07

NOTE:
 * FOR SECTION DETAIL SEE DRAWING NO. PME/JP/AB/LEGACY/STR-07(SHEET NO 2 OF 4)
 * FOR BEAM RFT. DETAIL SEE DRAWING NO. PME/JP/AB/LEGACY/STR-07(SHEET NO 3 OF 4)



NOTE:
* FOR BEAM RFT, DETAIL SEE DRAWING NO.
PME/JP/AB/LEGACY/STR-07(SHEET NO 3 OF 4)



☐	A	APPROVED
☐	B	APPROVED AS NOTED
☐	C	NOT APPROVED
☐	D	INFORMATION

Name & Position: _____ Signature: _____ Date: _____

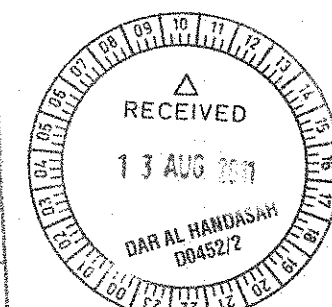
Discipline:
This approval does not release the contractor from his responsibility on the content of this drawing.

- NOTES:-**
- 1) ALL DIMENSIONS ARE IN MM AND LEVELS ARE METERS UNLESS NOTED OTHERWISE.
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 - 8) FOOTING LEVELS AS PER APPROVED FOUNDATION FORMATION LEVEL.

dar al-handasah
Shah and Partners

APPROVED
APPROVED AS NOTED
WORK MAY PROCEED SUBJECT TO INCORPORATION OF ENDORSED COMMENTS
REQUESTED FOR APPROVAL
WORK NOT NOTIFIED
REJECTED

BY: *[Signature]* DATE: 16/8/11



AS BUILT DRAWING

Project
JUMEIRAH PARK

Employer
NAKHEEL

Consultant
dar al-handasah shah and partners

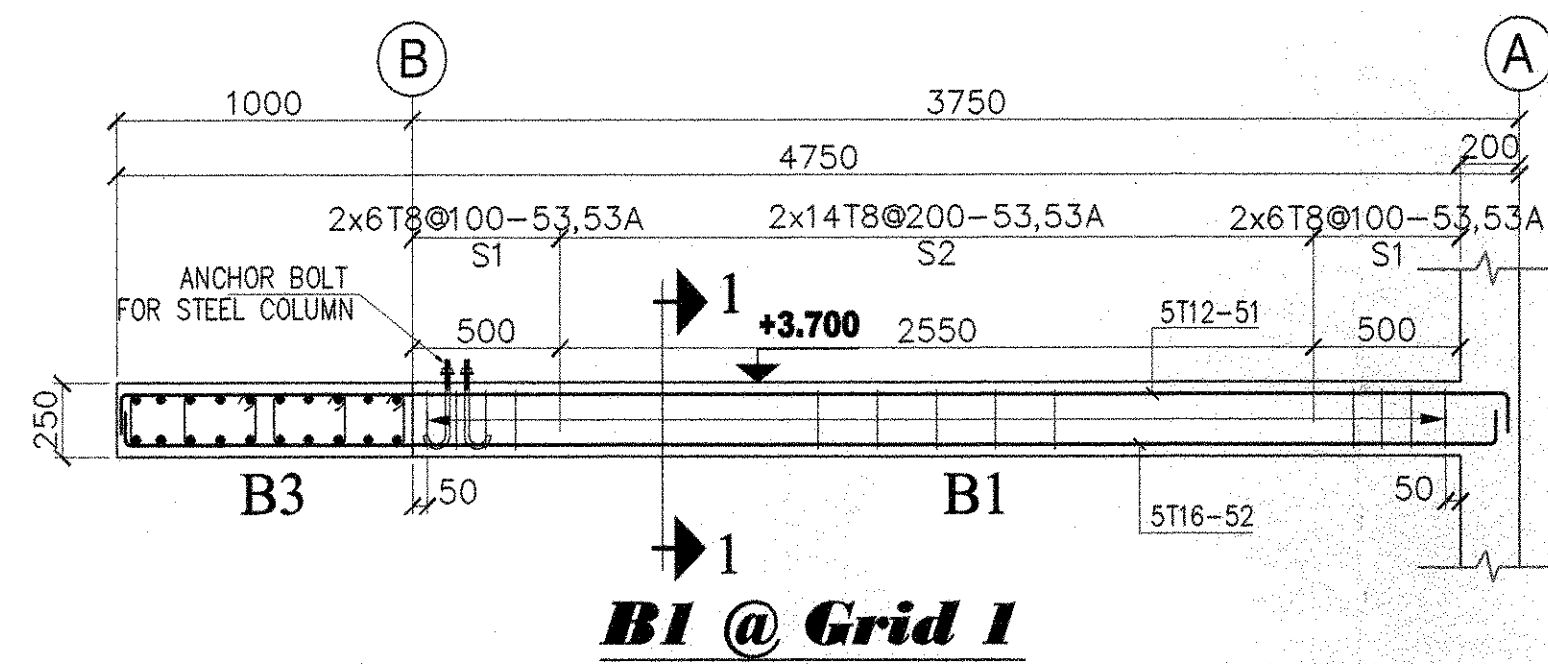
Main Contractor
Pauling Middle East

Package
PACKAGE - 2

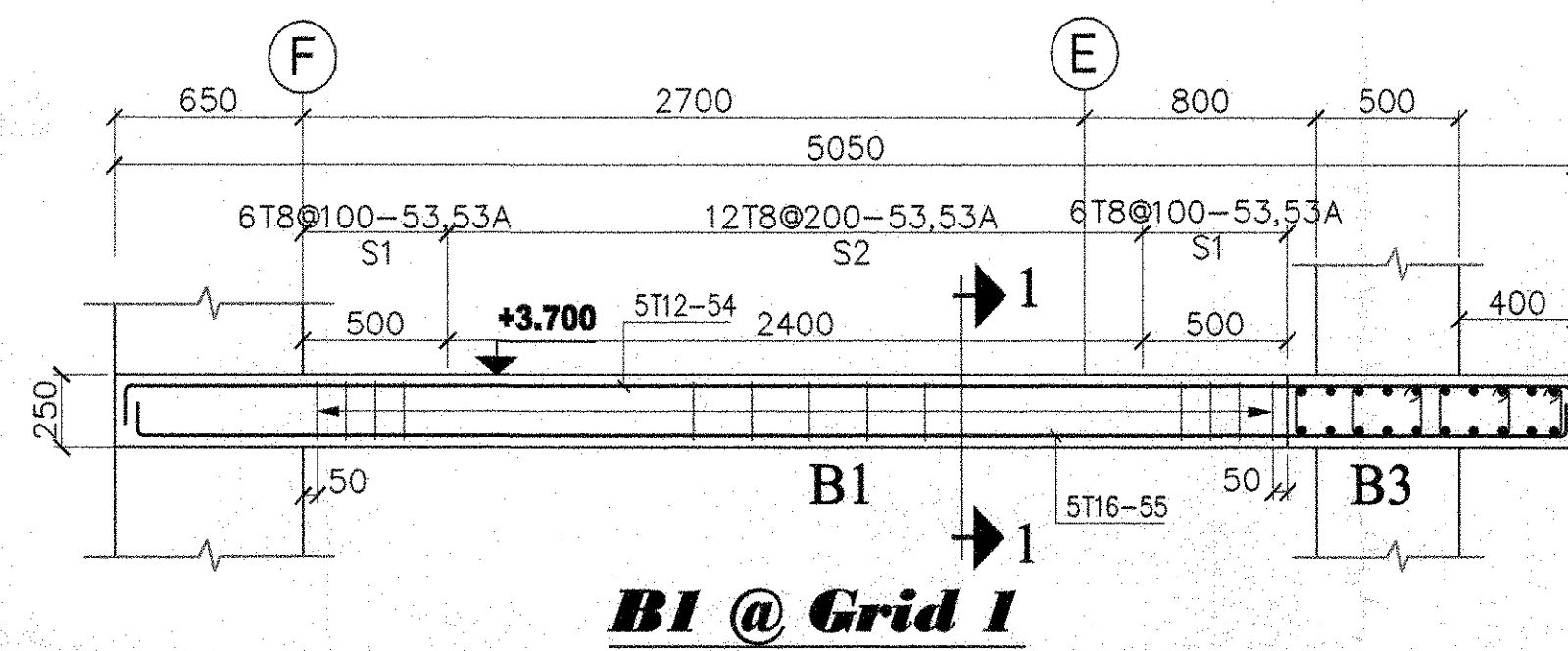
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**FIRST FLOOR SLAB
SLAB & BEAMS (SECTIONS & DETAILS)
TYPE : LEGACY 2 of 4**

Drawn: T. Murugan Review: Eng. Aisid Check: Eng. Ghassan Zaitouni
Scale: 1:50 Date: 10-08-2011 Approved:

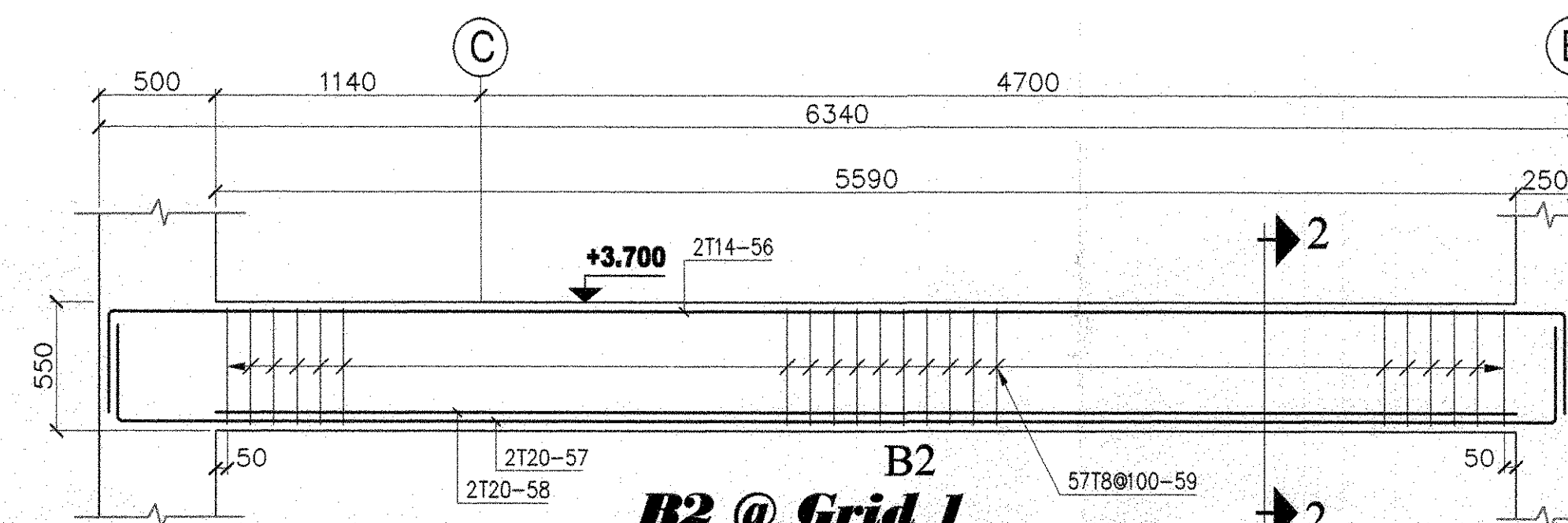
PME / JP / AB / LEGACY / STR-07



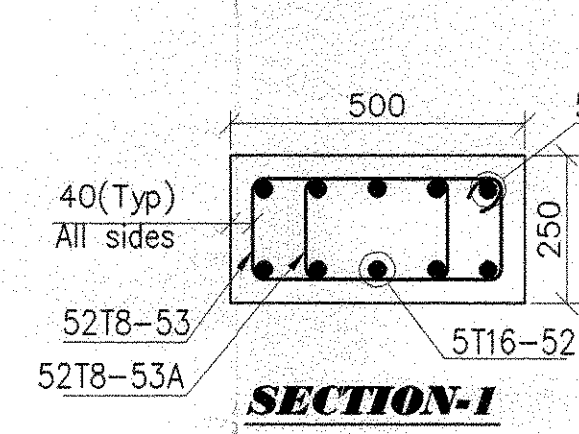
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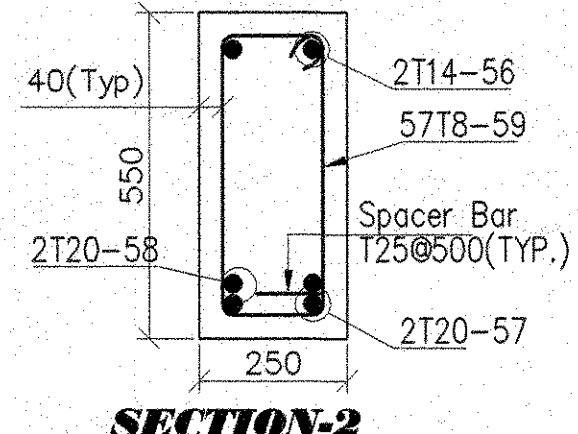
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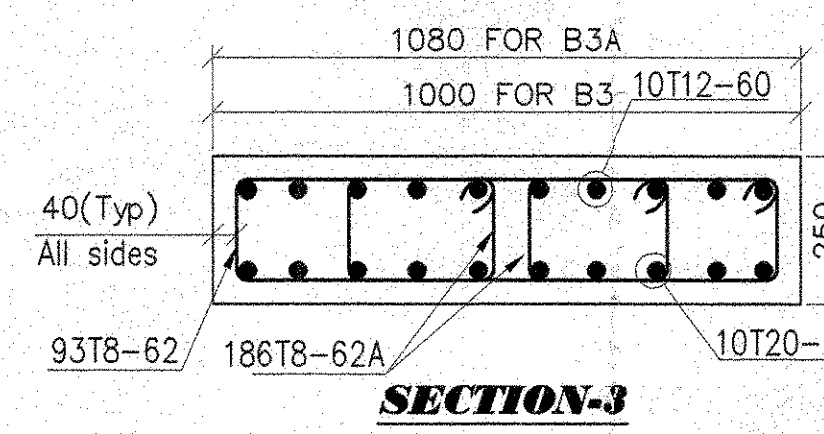
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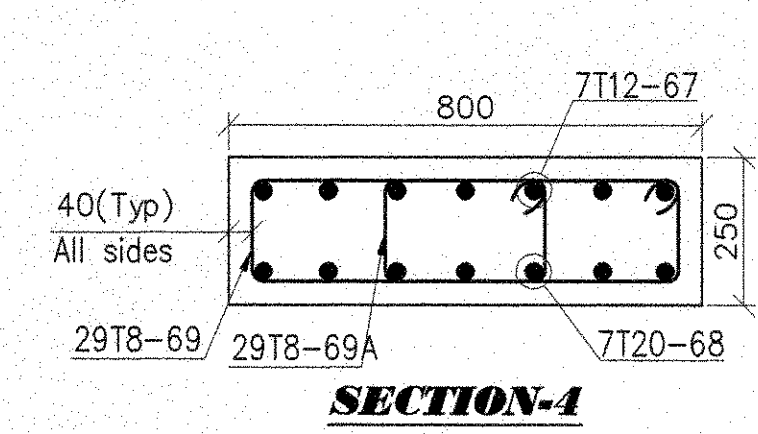
SECTION-1



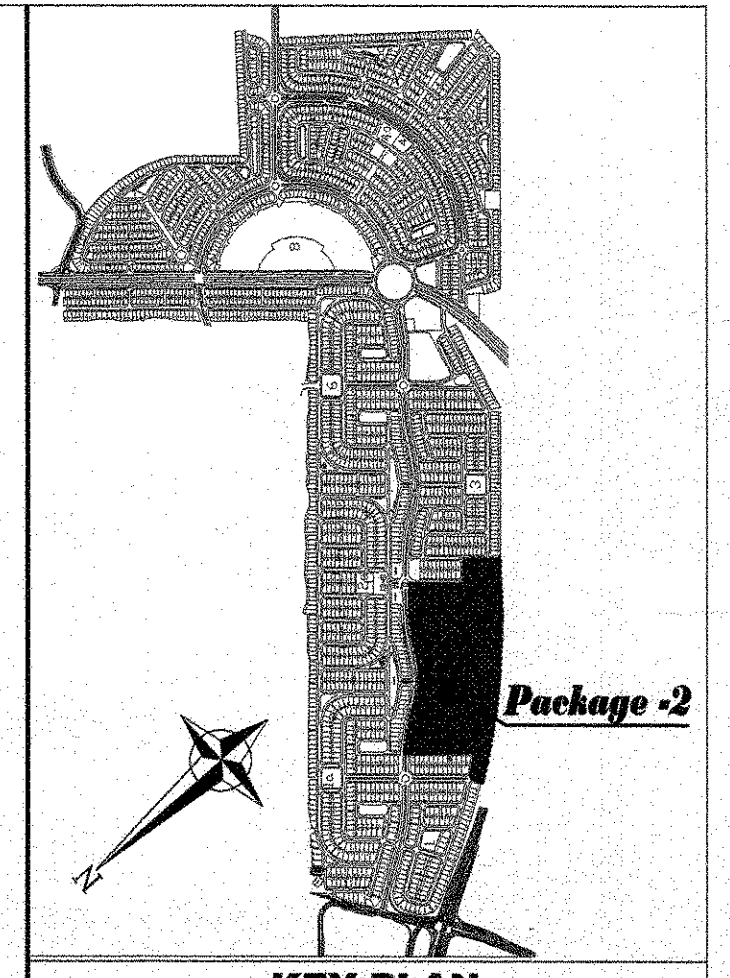
SECTION-2



SECTION-3



SECTION-4



☐	A	APPROVED
☐	B	APPROVED AS NOTED
☐	C	NOT APPROVED
☐	D	INFORMATION
Name & Position	Signature	Date

- NOTES:-**
- 1) ALL DIMENSIONS ARE IN MM AND LEVELS ARE METERS UNLESS NOTED OTHERWISE.
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APPROVED

APPROVED AS NOTED

APPROVED AS NOTED

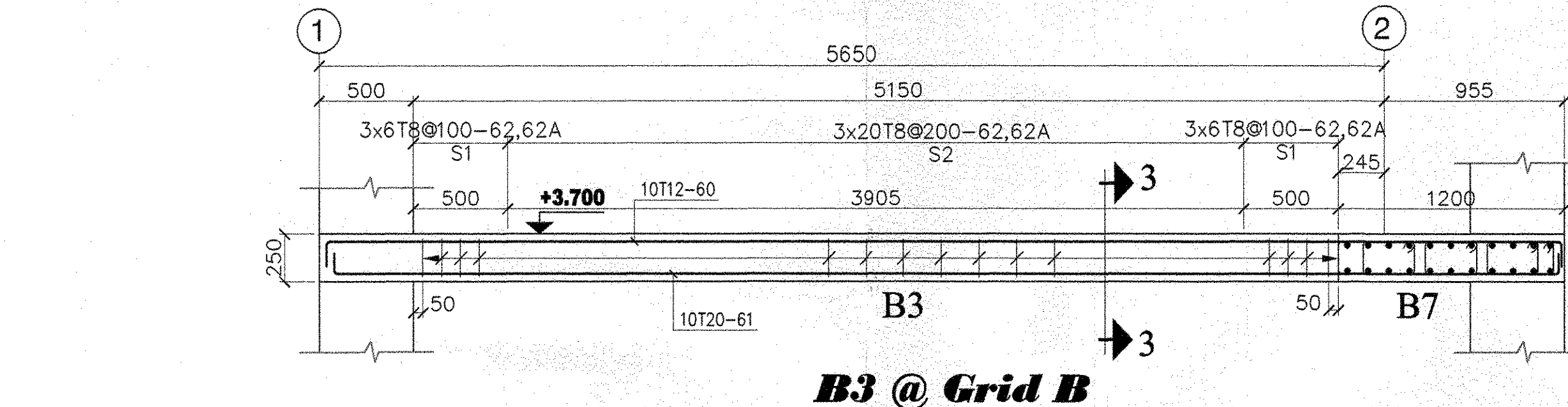
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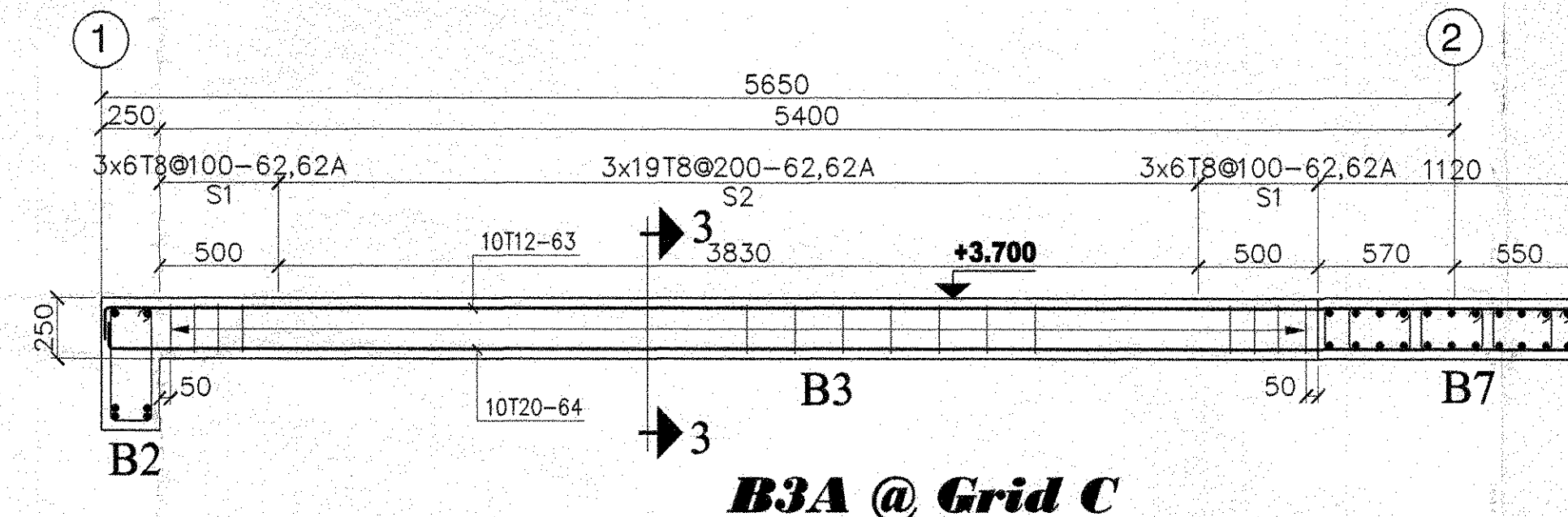
BY: *[Signature]* DATE: 7/8/11

RECEIVED 04 AUG 11

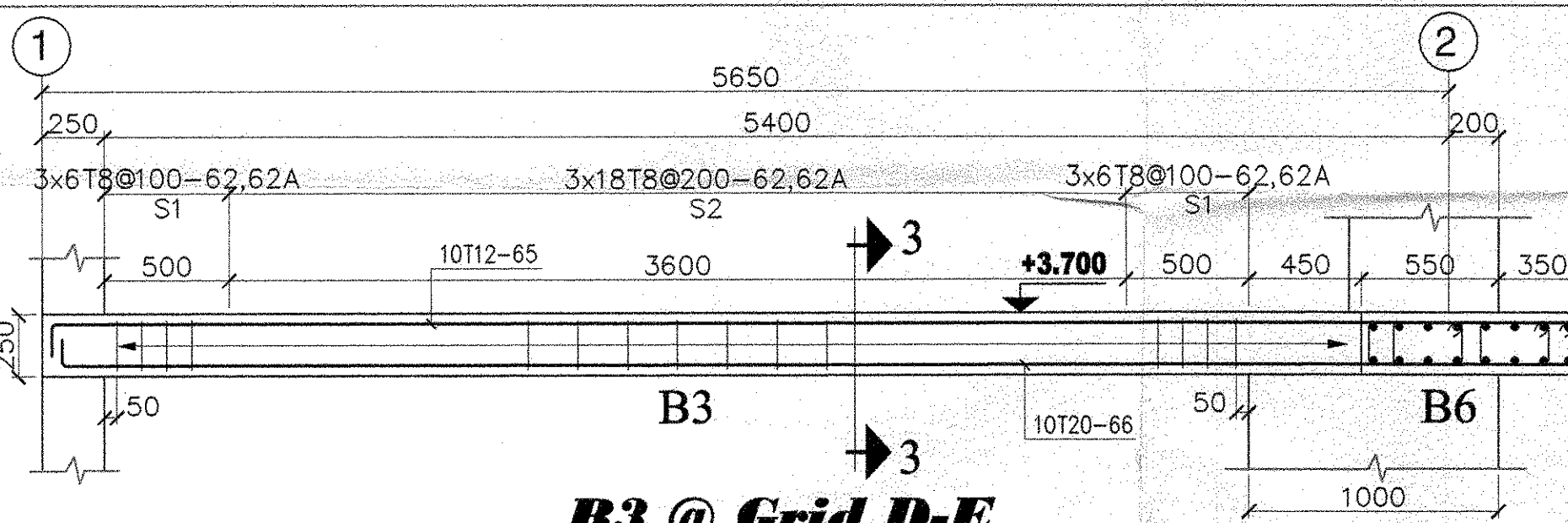
DARAL HANDASAH 0045922



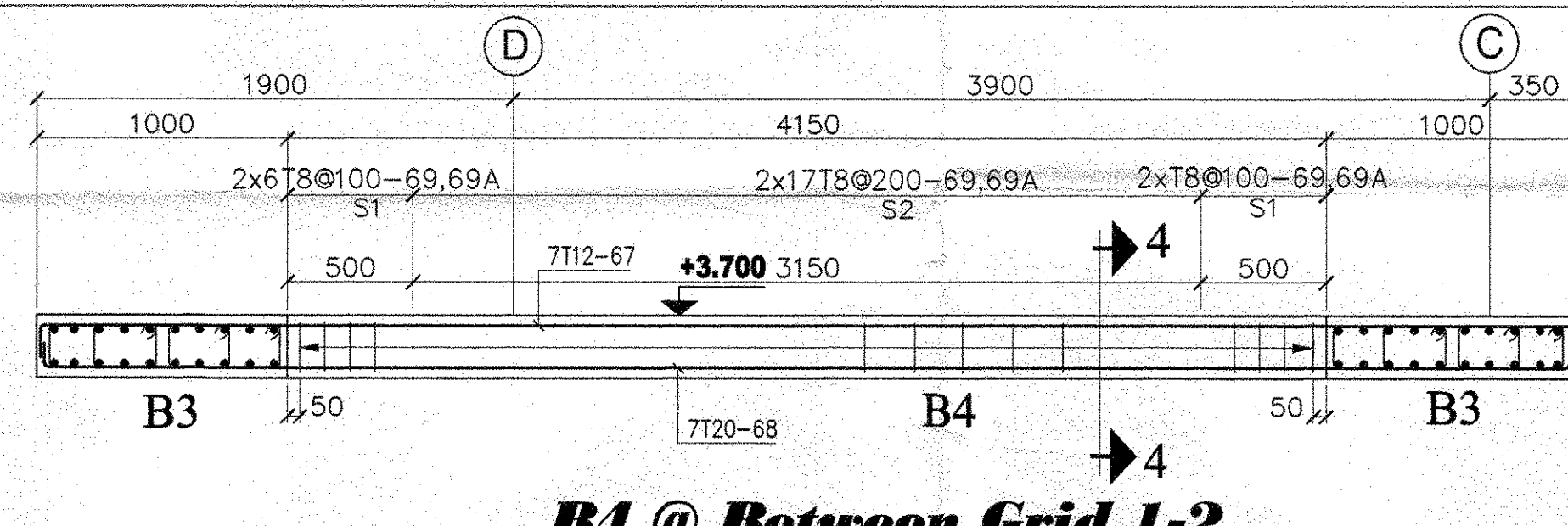
B3 @ Grid B



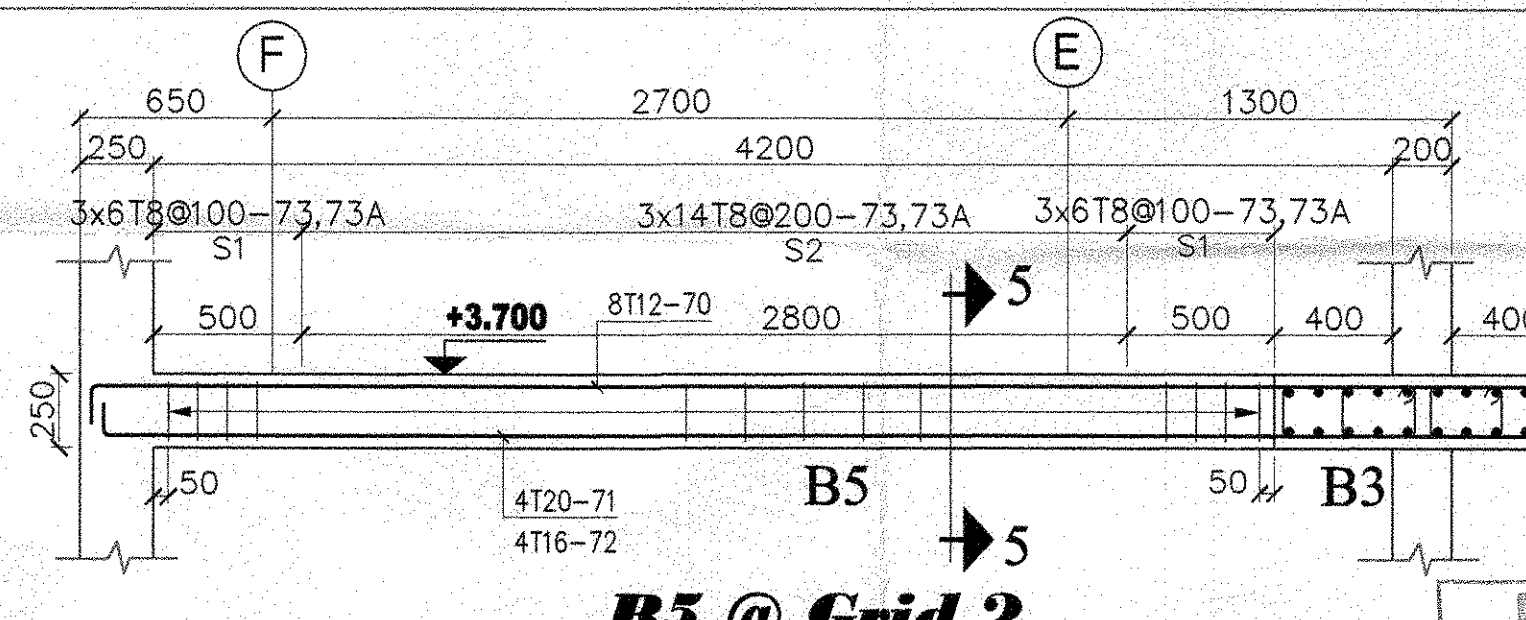
B3A @ Grid C



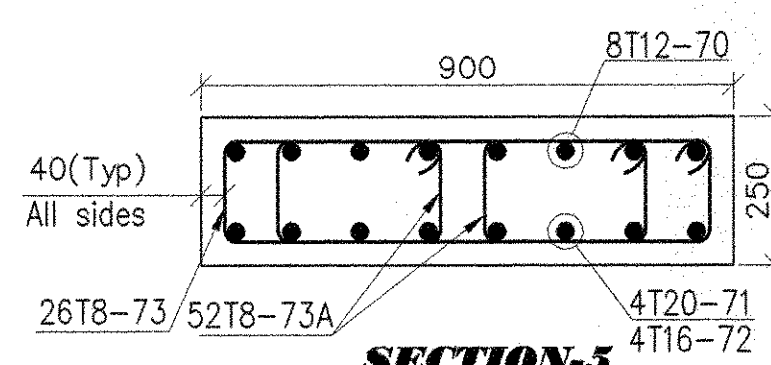
B3 @ Grid D-E



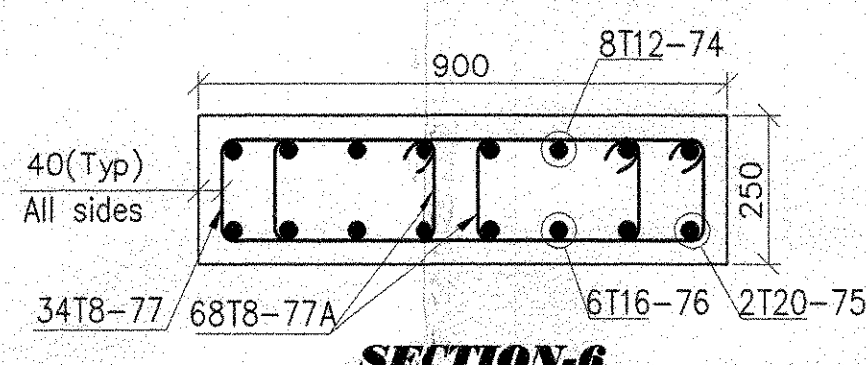
B4 @ Between Grid 1-2



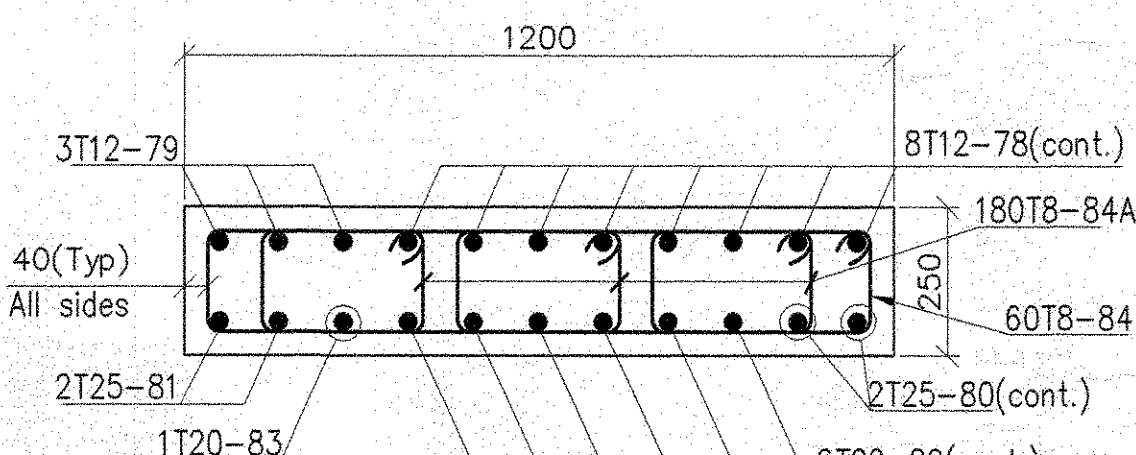
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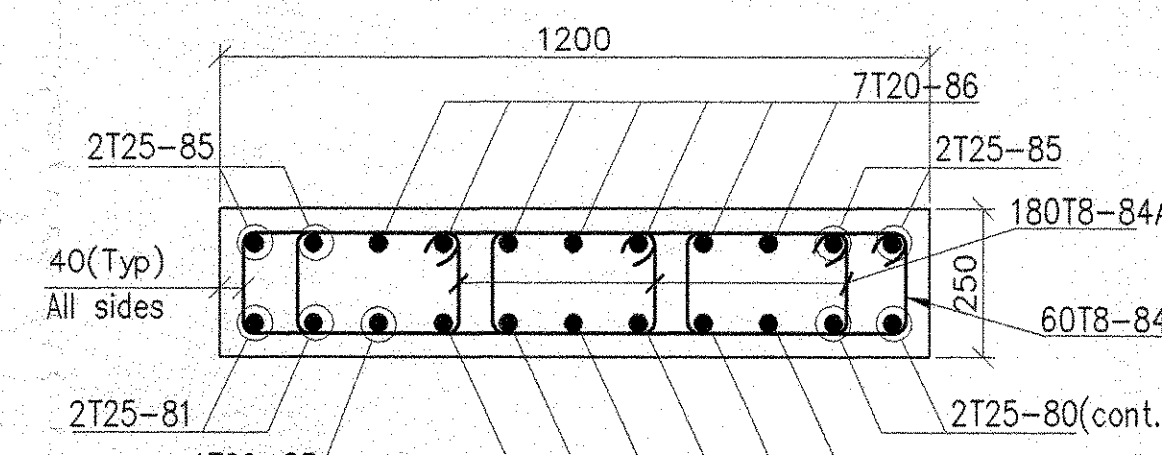
SECTION-5



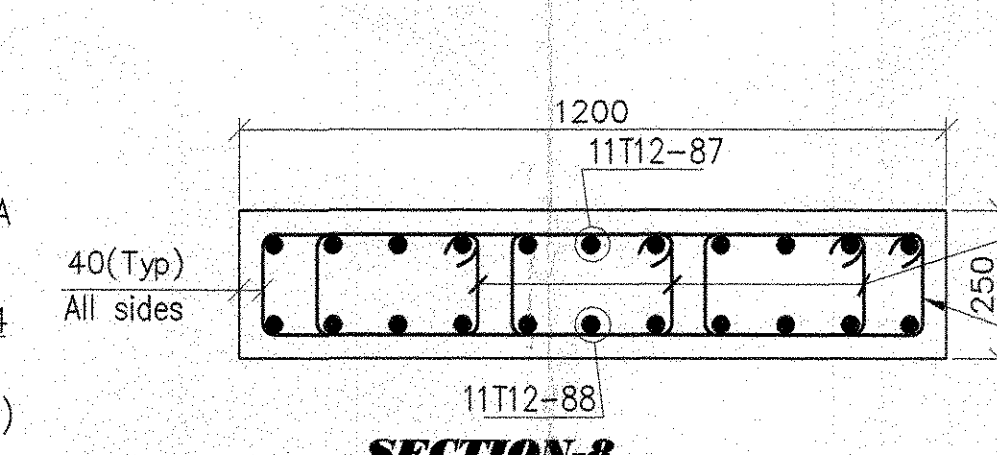
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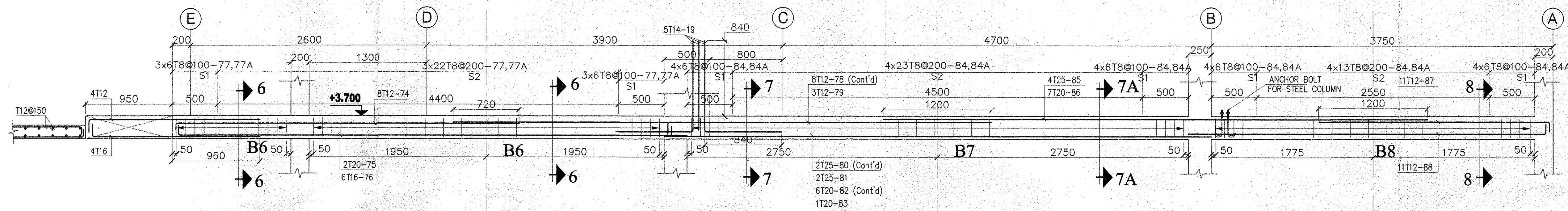
SECTION-7



SECTION-7A



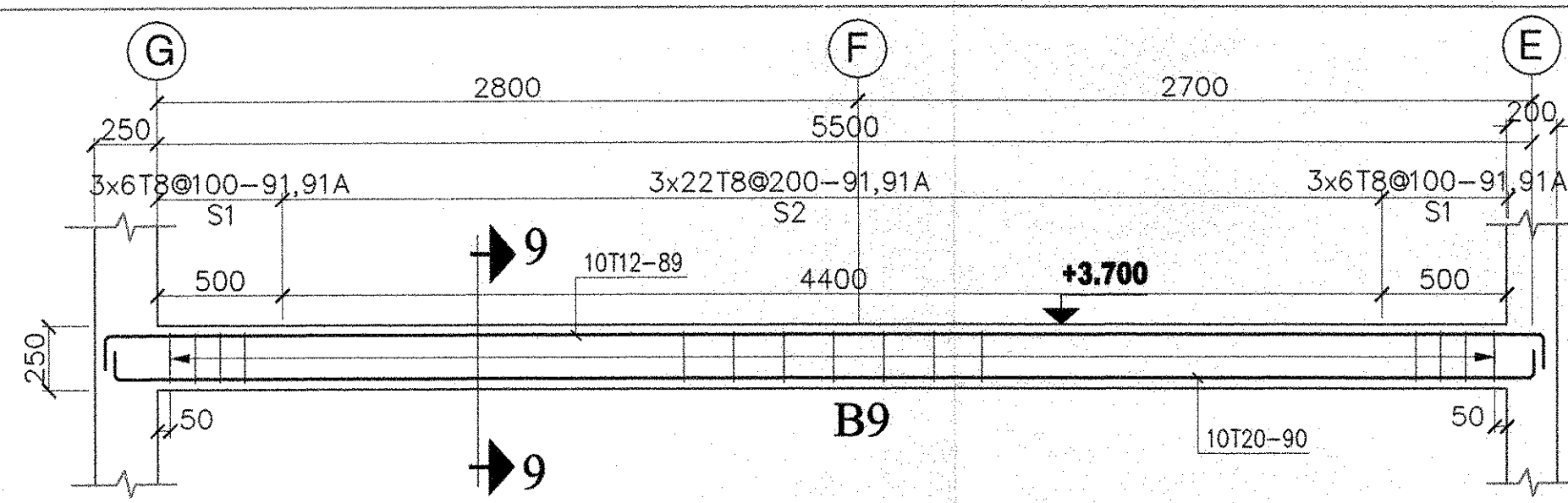
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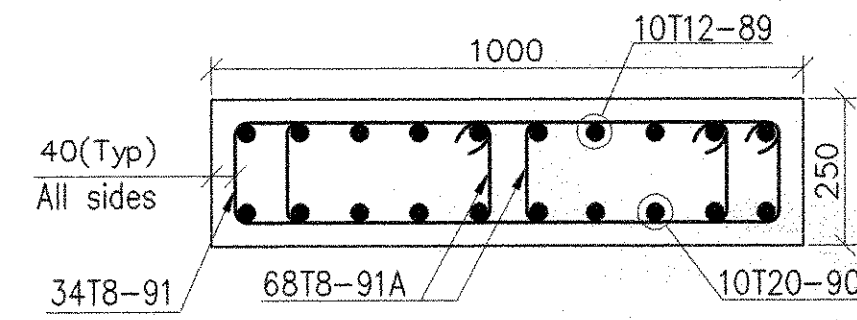
B6, B7, B8 @ Grid 2

AS BUILT DRAWING

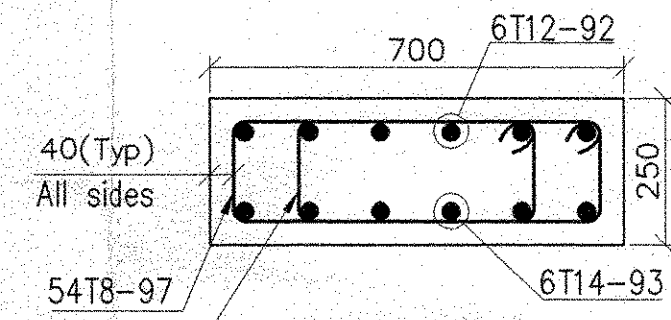
Project	JUMEIRAH PARK
Employer	NAKHEEL
Consultant	daral-handasah shair and partners
Main Contractor	Pauling Middle East
Package	PACKAGE - 2
Drawing Title	FIRST FLOOR SLAB SLAB & BEAMS (SECTION & DETAILS) TYPE : LEGACY 3 of 4
Drawn	T.Murugan
Check	Eng. Zyad
Eng. Zyad	Eng. Zyad
Scale	1:25
Date	30-07-2011
Approved	Eng. Zyad
Drawing Title	PME / JP / AB / LEGACY / STR-07



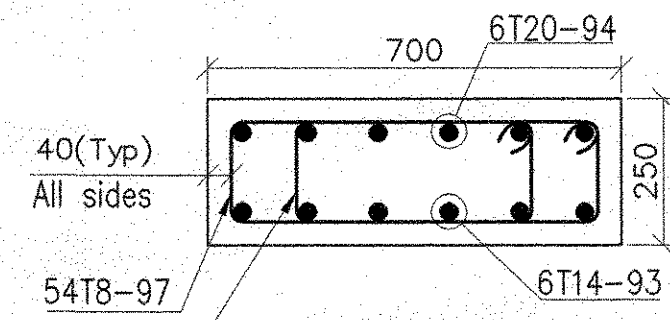
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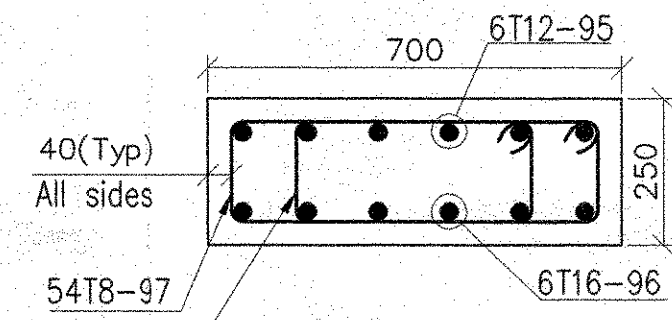
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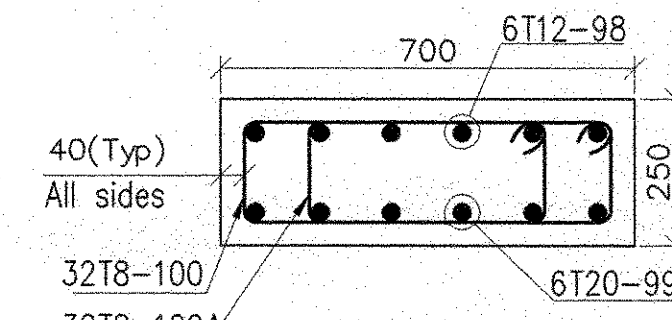
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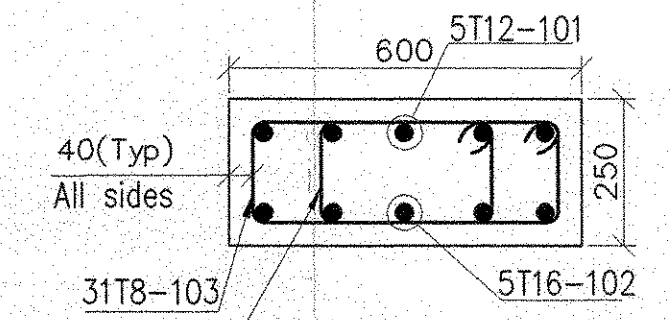
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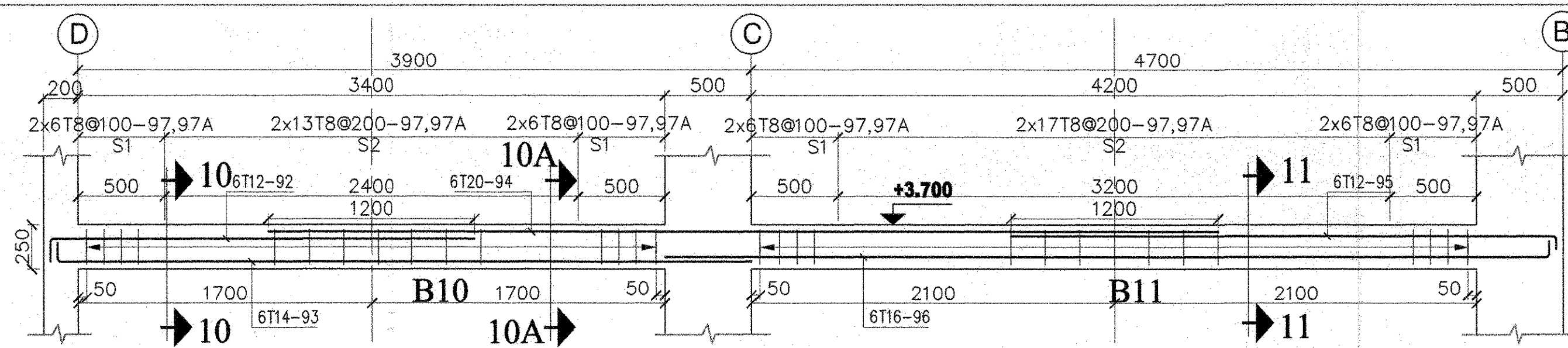
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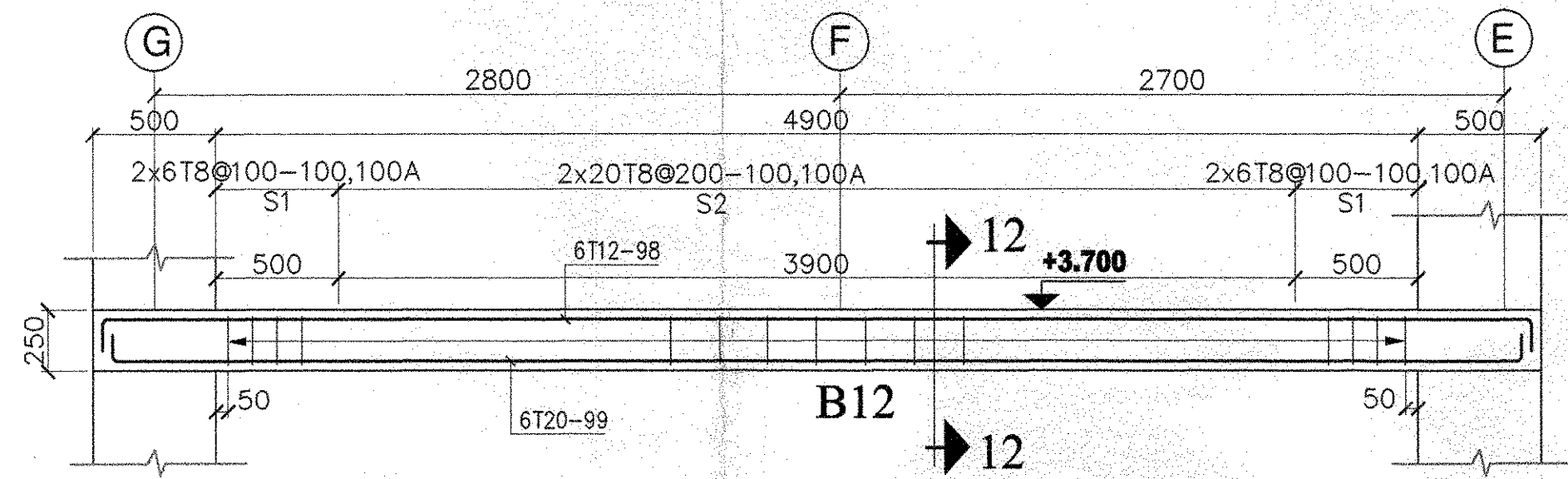
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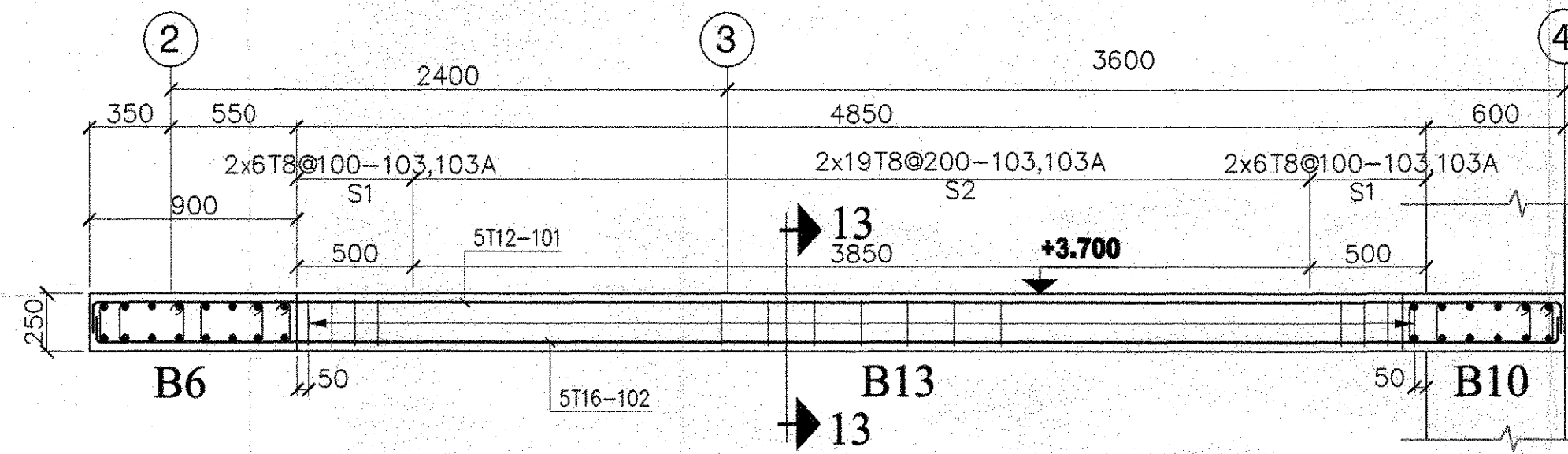
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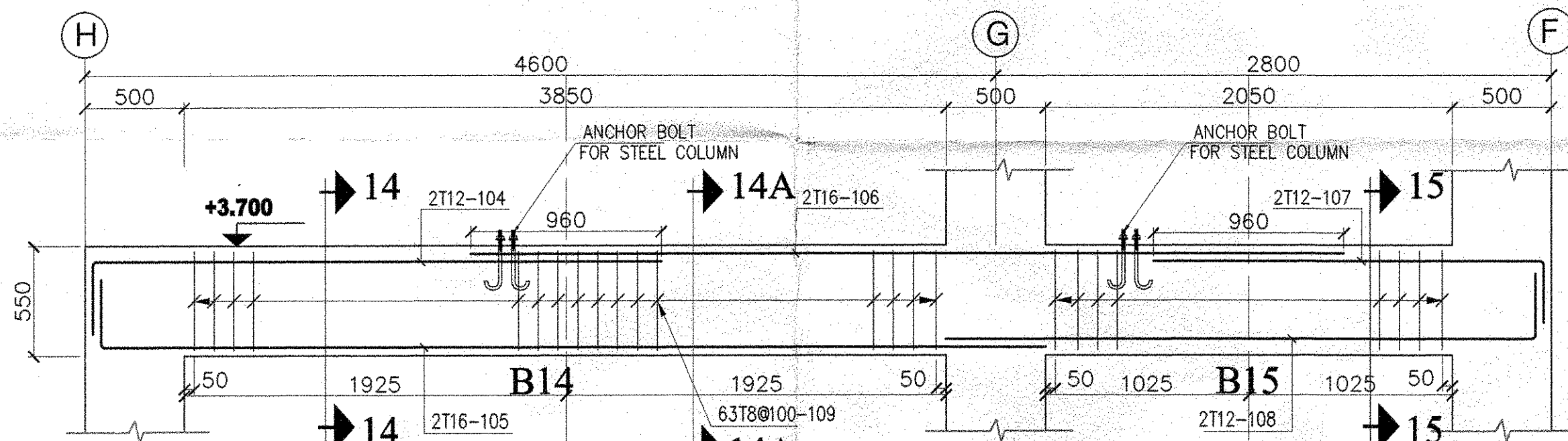
B10 & B11 @ Grid 4



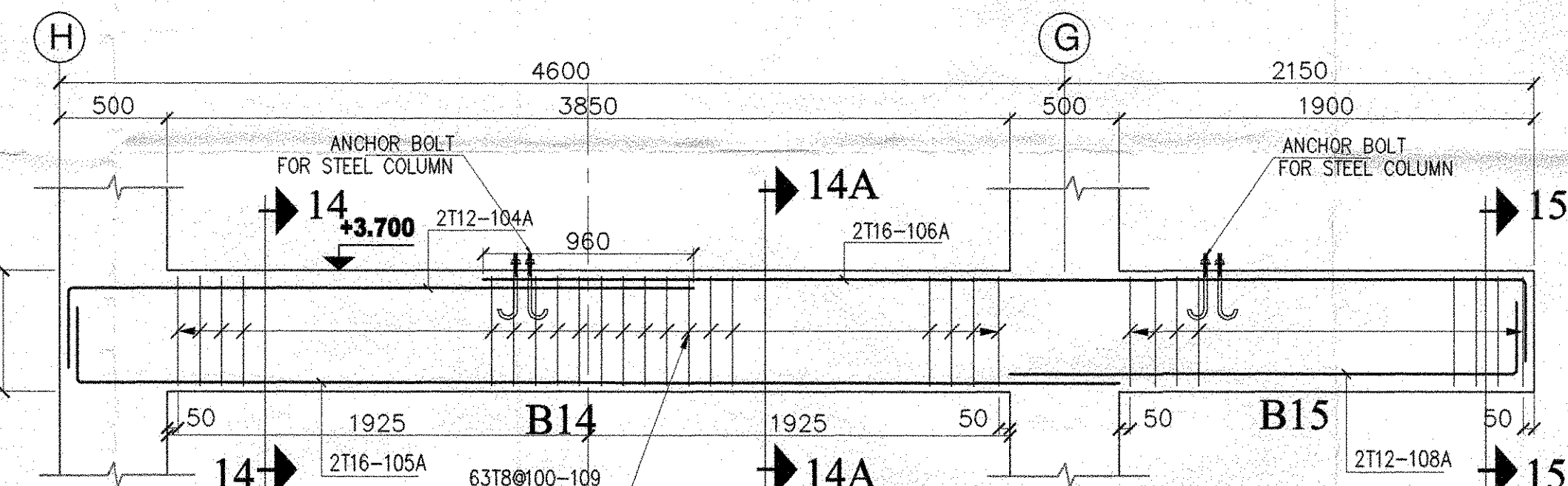
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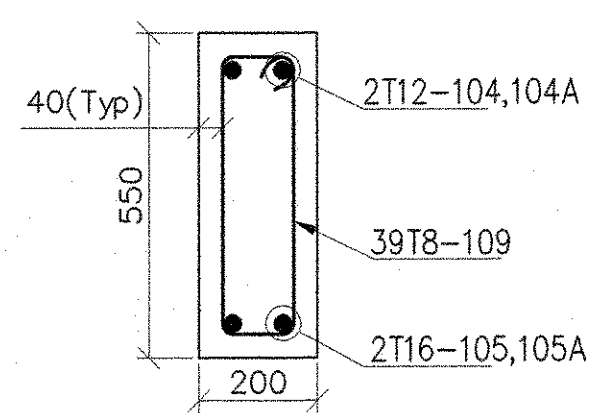
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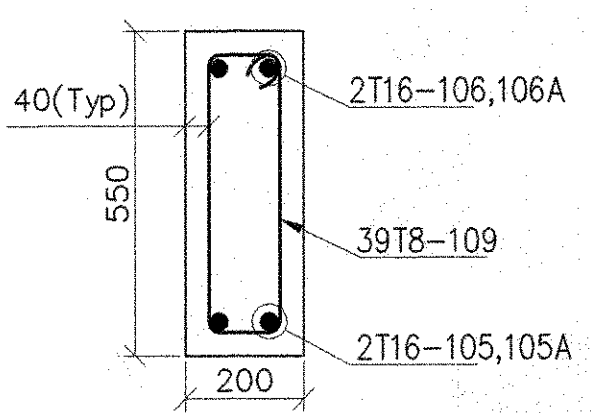
B14 & B15 @ Beyond Grid-1



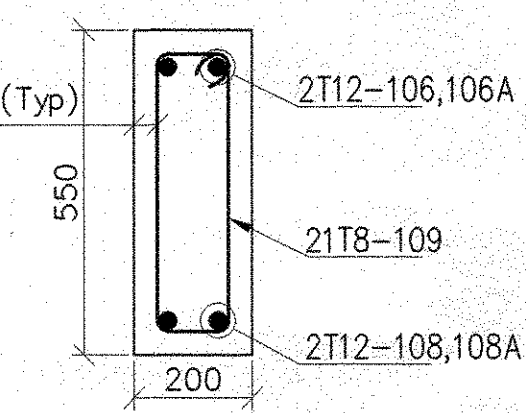
B14 & B15 @Grid Between 1-2



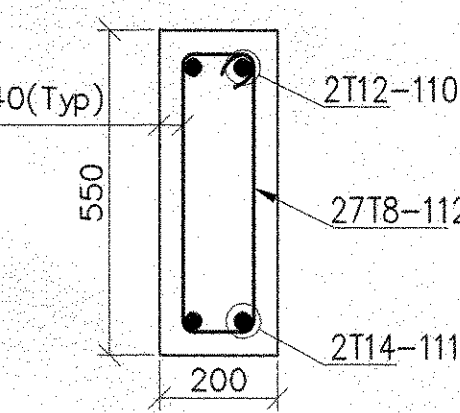
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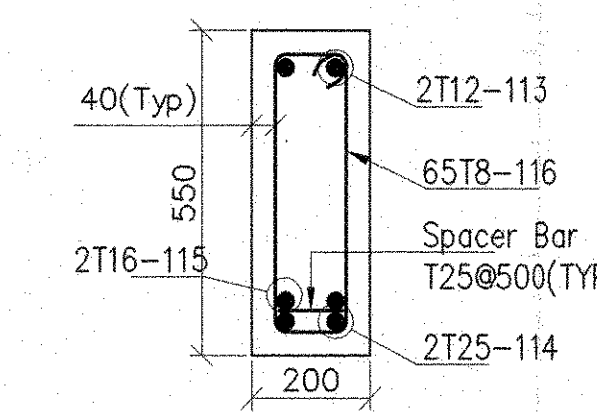
SECTION-14A



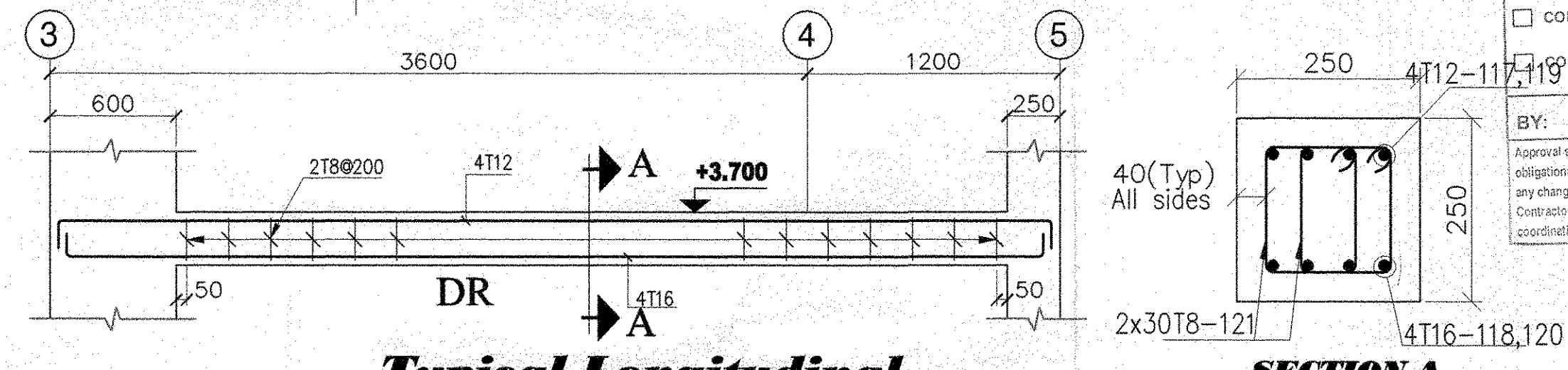
SECTION-15



SECTION-16

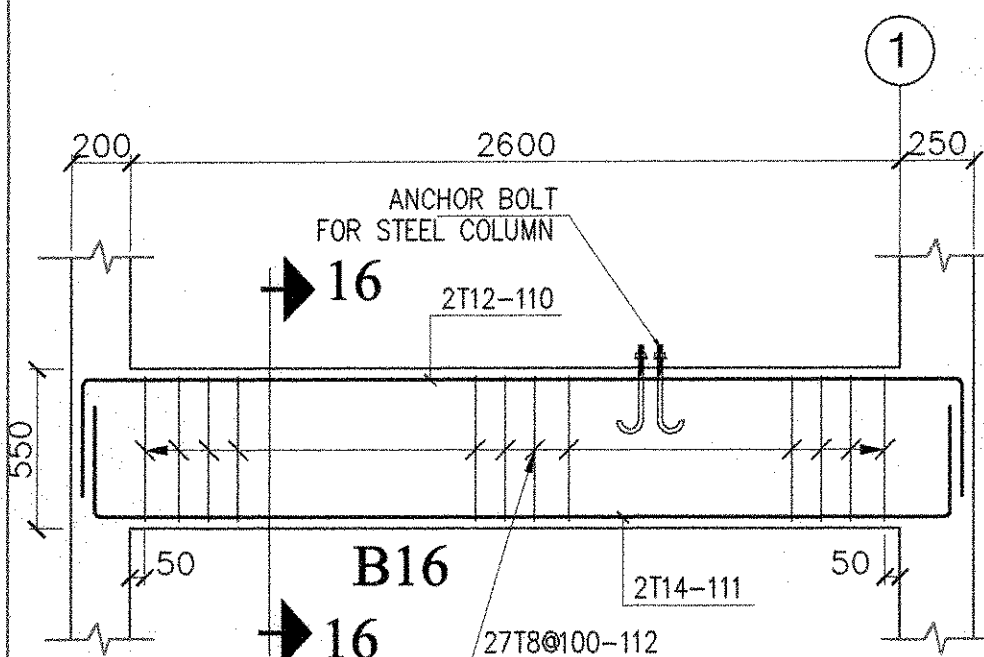


SECTION-17

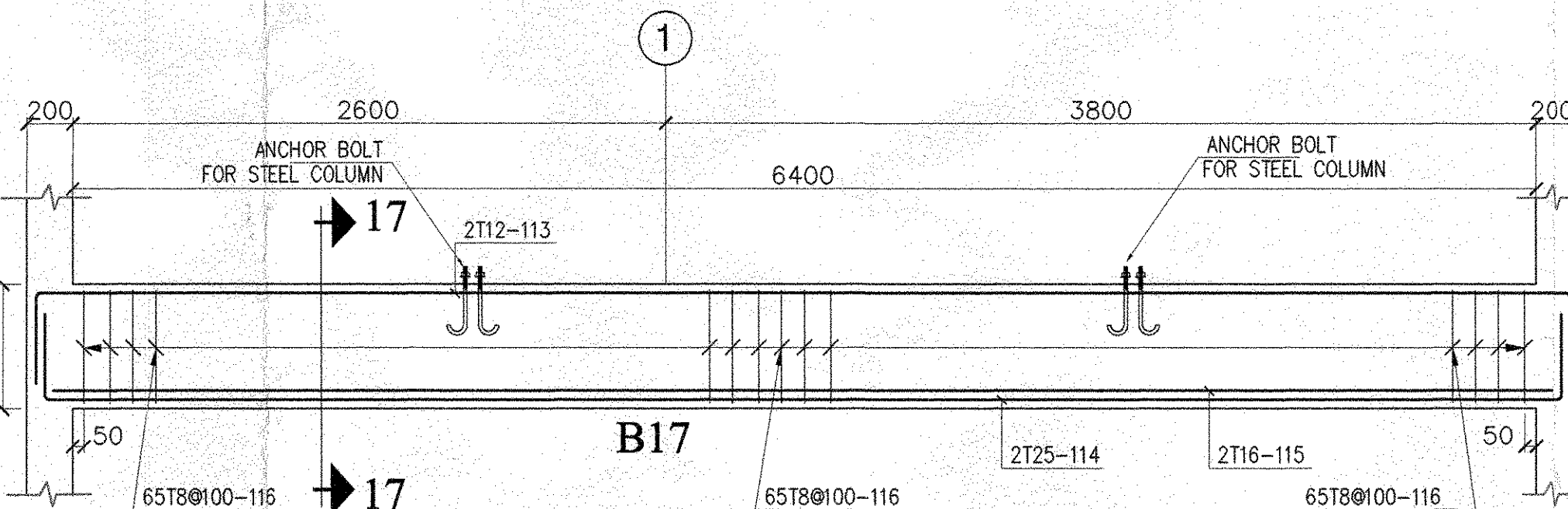


Typical Longitudinal Section of Double Rib

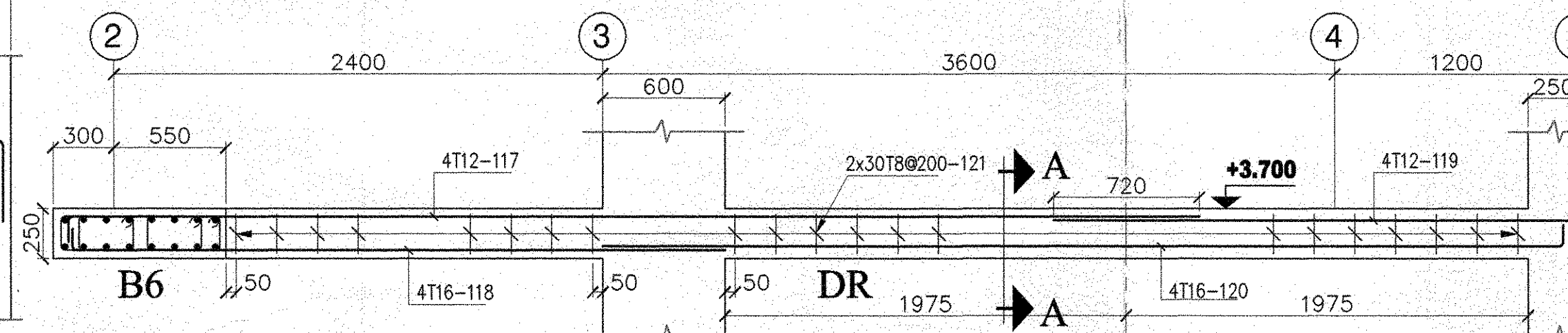
SECTION A



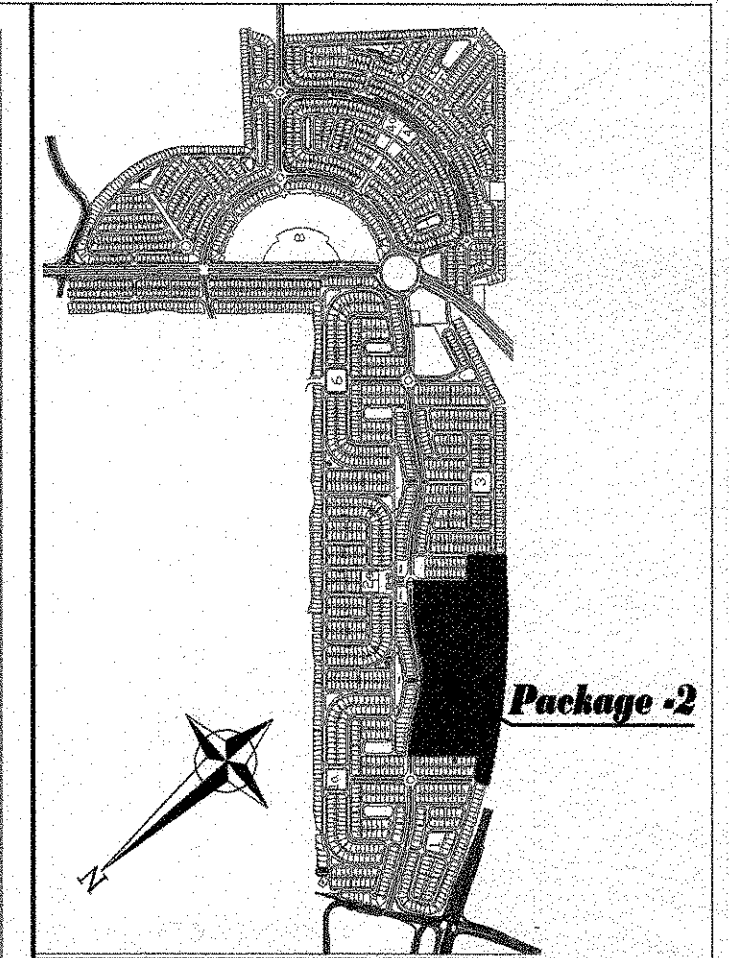
B16 @ Grid F



B17 @ Grid H



Double Rib @ Grid E



KEY PLAN

A	APPROVED
B	APPROVED AS NOTED
C	NOT APPROVED
D	INFORMATION

Name & Position:	Signature	Date
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Disclaimer:
This approval does not release the contractor from his responsibility on the content of this drawing.

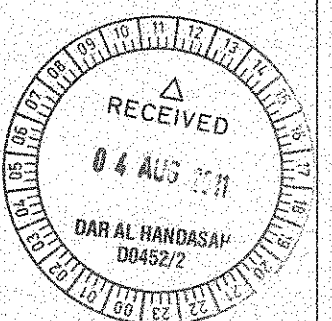
- NOTES:-**
- 1) ALL DIMENSIONS ARE IN MM AND LEVELS ARE METERS UNLESS NOTED OTHERWISE.
 - 2) ALL REINFORCEMENT EXCEPT TIES & STIRRUPS UNLESS OTHERWISE INDICATED TO BE HIGH TENSILE STEEL TO BS 4449 HAVING A MINIMUM YIELD STRESS $f_y = 420$ MPa (DESIGNATED BY S).
 - 3) ALL REINFORCED CONCRETE SHOULD HAVE A MINIMUM CRUSHING STRENGTH ON CYLINDER AT 28 DAYS: $f'_{c} = 35$ MPa
 - 4) ALL PLAIN CONCRETE SHOULD HAVE A MINIMUM CRUSHING STRENGTH ON CYLINDER AT 28 DAYS: $f'_{c} = 14$ MPa
 - 5) ALL REINFORCED CONCRETE STRUCTURES ARE TO BE MADE WITH OPC FOR FIRST FLOOR SLAB
 - 6) ALL SPLICES OF REINFORCEMENT SHOULD BE MIN. 60 BAR DIAMETER
 - 7) UNLESS OTHERWISE NOTED, THE FOLLOWING NOMINAL CONCRETE COVER TO ALL REINFORCING BARS SHALL BE ADOPTED:
 - a - FOR SLABS AND WALLS NOT EXPOSED TO EARTH OR WEATHER: 30mm.
 - b - FOR BASEMENT WALLS: 50mm.
 - c - FOR DROP BEAMS AND COLUMNS: 40mm.
 - d - FOR FOUNDATIONS: 75mm.
 - e - FOR ALL SURFACES IN CONTACT WITH WATER OR VAPOUR: 50mm.
 - 8) FOOTING LEVELS AS PER APPROVED FOUNDATION FORMATION LEVEL

dar al-handasah
Saud and Partners

APPROVED
APPROVED AS NOTED
RESUBMIT FOR APPROVAL
REJECTED

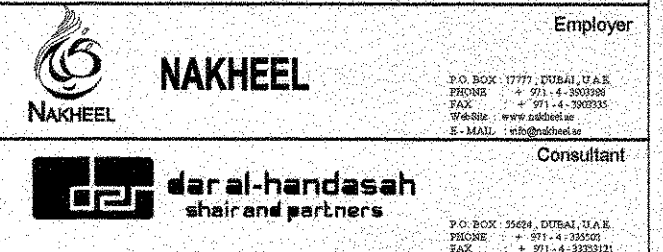
BY: DATE: 7/8/11

Approval shall not relieve the contractor of any of his obligations under the Contract or constitute a confirmation of any change to the Contract Documents or variation to the works. Contractor is responsible for dimensions, quantities and coordination with all other trades.



AS BUILT DRAWING

JUMEIRAH PARK



PACKAGE - 2

**FIRST FLOOR SLAB
SLAB & BEAMS (SECTION & DETAILS)
TYPE : LEGACY 4 of 4**

Drawn: T.Murugan	Check: Eng. Zyad	Check: Eng. Ghassan Zakiouni
Scale: 1:25	Date: 30-07-2011	Approved:

PME / JP / AB / LEGACY / STR-07