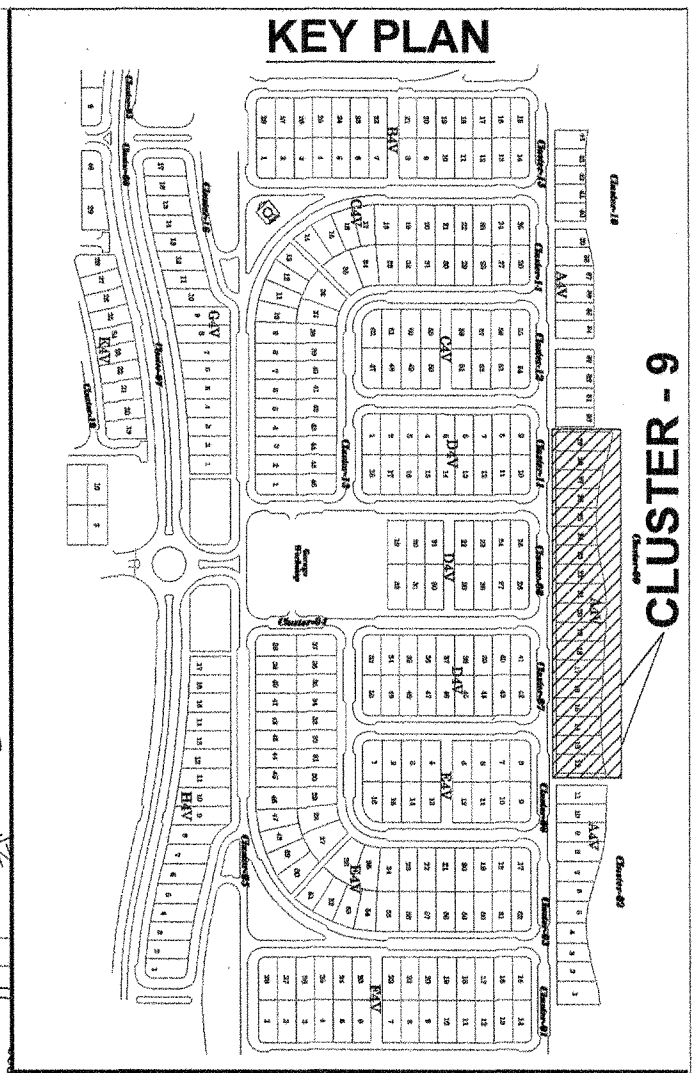
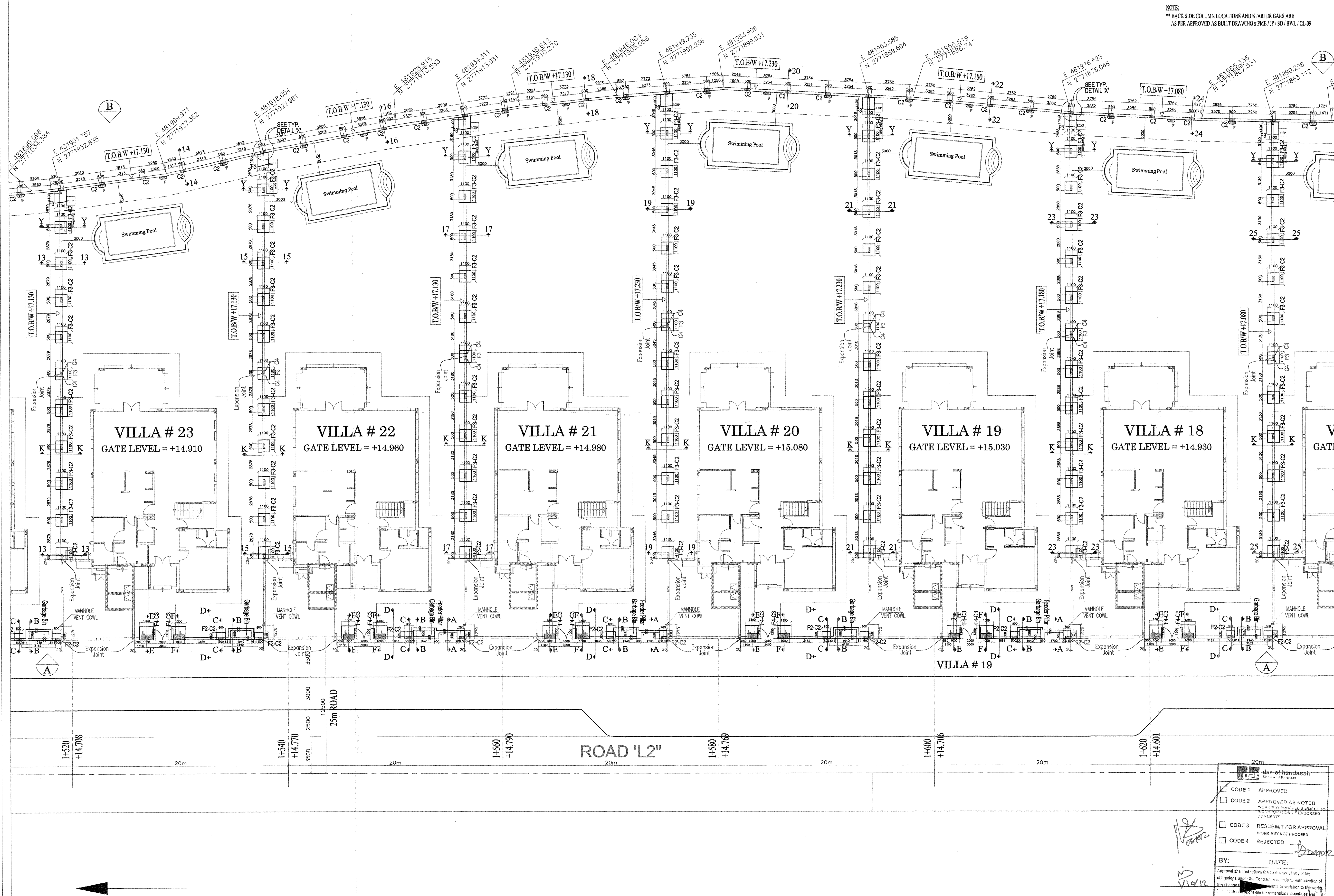


PME / JP / AB / STR / F&B / CLU-9



- 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 MADE WITH THE FOLLOWING:
A) FOOTING AND TIEBARS OPC+40% GGBS ACCORDING TO ASTM C150.
B) COLUMNS AND TOP BEAMS OPC ACCORDING TO ASTM C150.
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.

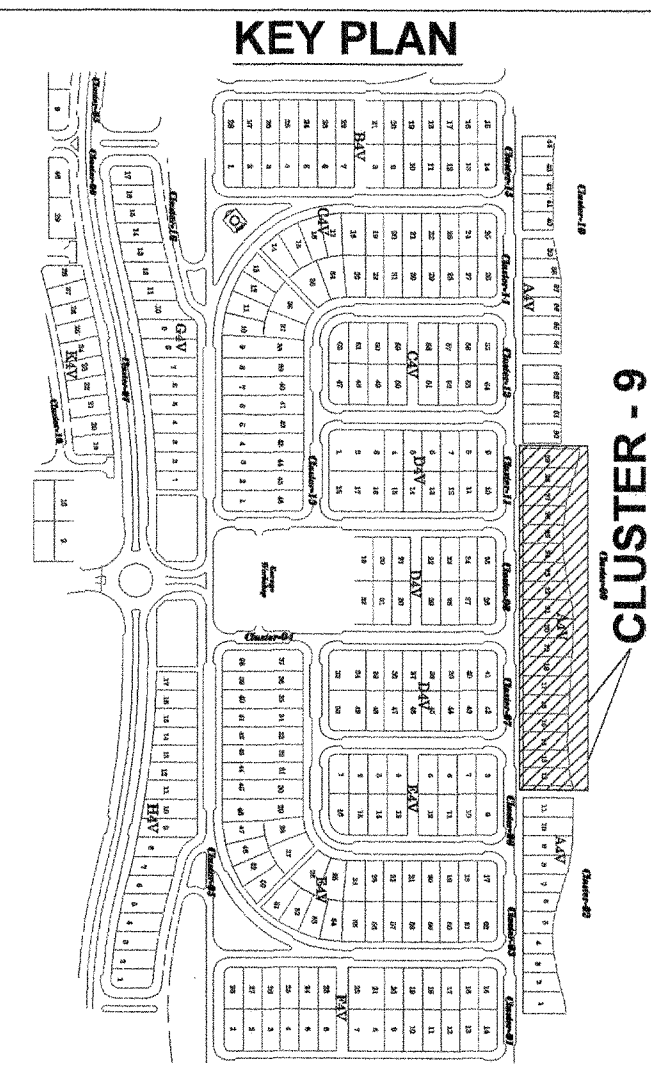
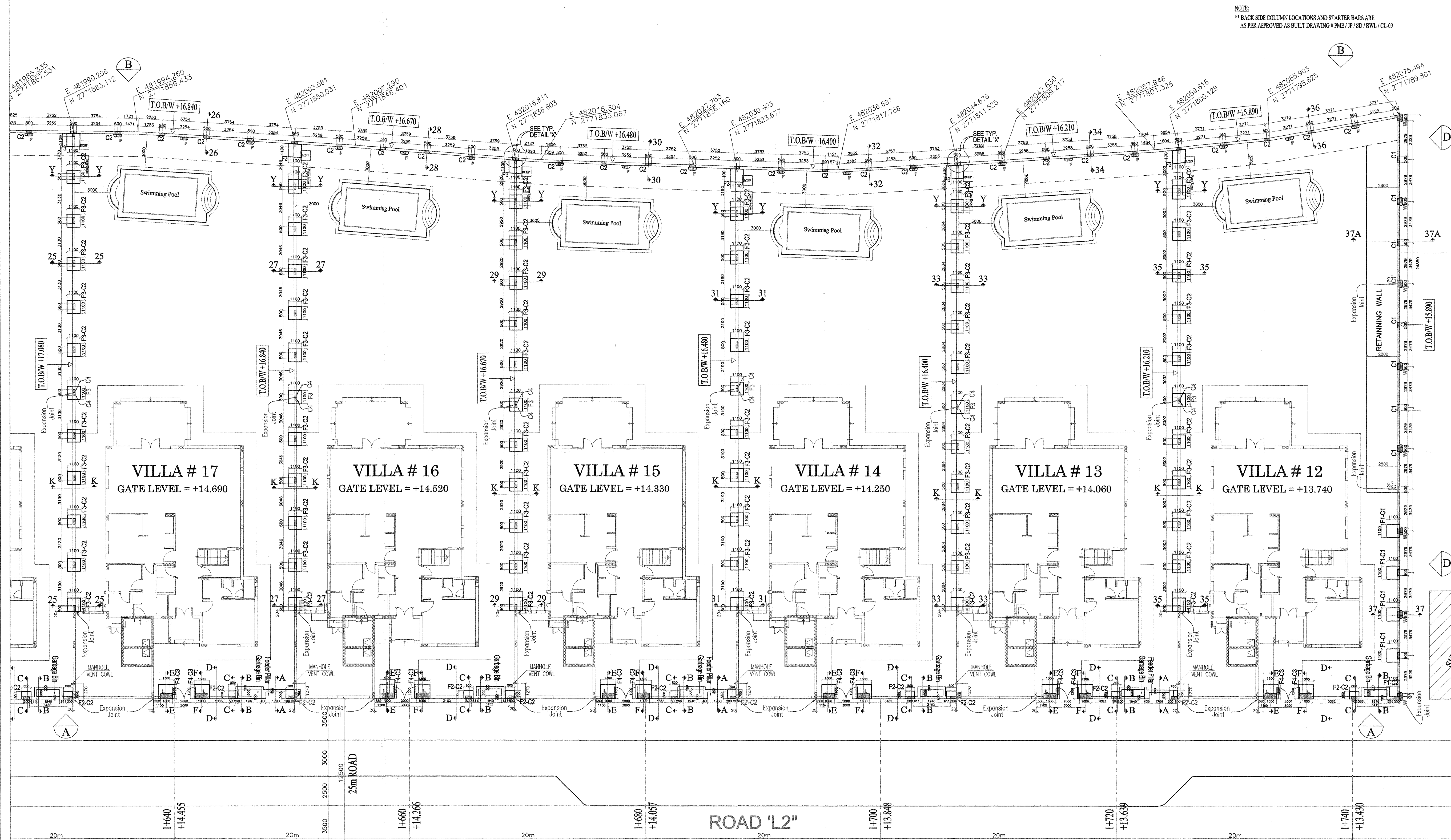
- LEGEND
- T.O.B/W TOP LEVEL OF BOUNDARY WALL
 - TOP MOUNTED LIGHT
 - WALL MOUNTED LIGHT 1.8m FROM GRADED LEVEL
 - SIKKA LIGHT (FOR THE HEIGHT REFER TO ELEVATION)
 - MANHOLE VENT COWL



AS BUILT DRAWING	
Project	JUMEIRAH PARK
Employer	NAKHEEL
Consultant	daral-handasah sheik and partners
Main Contractor	Pauling Middle East
Package	PACKAGE - 2a
Drawing Title	BOUNDARY WALL LAYOUT, SECTIONS, ELEV. & DETAILS CLUSTER-9 2 of 9
Drawn	Shirumugan
Reviewed	Eng. Ziad
Checked	Eng. Shashan Zethony
Date	18-09-2012
Project No.	PME / JP / AB / STR / F&B / CLU-9

FOR CONTINUATION SEE SHEET NO. 1 OF 9

FOR CONTINUATION SEE SHEET NO. 3 OF 9



- 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 $f_y = 420 \text{ MPa}$ (DESIGNATED BY Φ).
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d - FOR FOUNDATIONS: 75mm.
e - FOR ALL SURFACES IN CONTACT WITH WATER OR VAPOUR: 50mm.

- T.O.B.W. ——— TOP LEVEL OF BOUNDARY WALL
- LEGEND
- TOP MOUNTED LIGHT
 - WALL MOUNTED LIGHT 1.8m FROM GRADED LEVEL
 - SINKA LIGHT (FOR THE HEIGHT REFER TO ELEVATION)
 - MANHOLE VENT COWL



AS BUILT DRAWING

Project	JUMEIRAH PARK
Employer	NAKHEEL
Consultant	dar al-handasah shairand partners
Main Contractor	Pauling Middle East
Package	PACKAGE - 2a

BOUNDARY WALL
LAYOUT, SECTIONS, ELEV. & DETAILS
CLUSTER-9
3 of 9

Drawn	Thirumugan	Review	Eng. Zaid	Check	Eng. Ghassan Zaidouny
Date	18-09-2012	Date		Date	

PME / JP / AB / STR / F&B / CLU-9

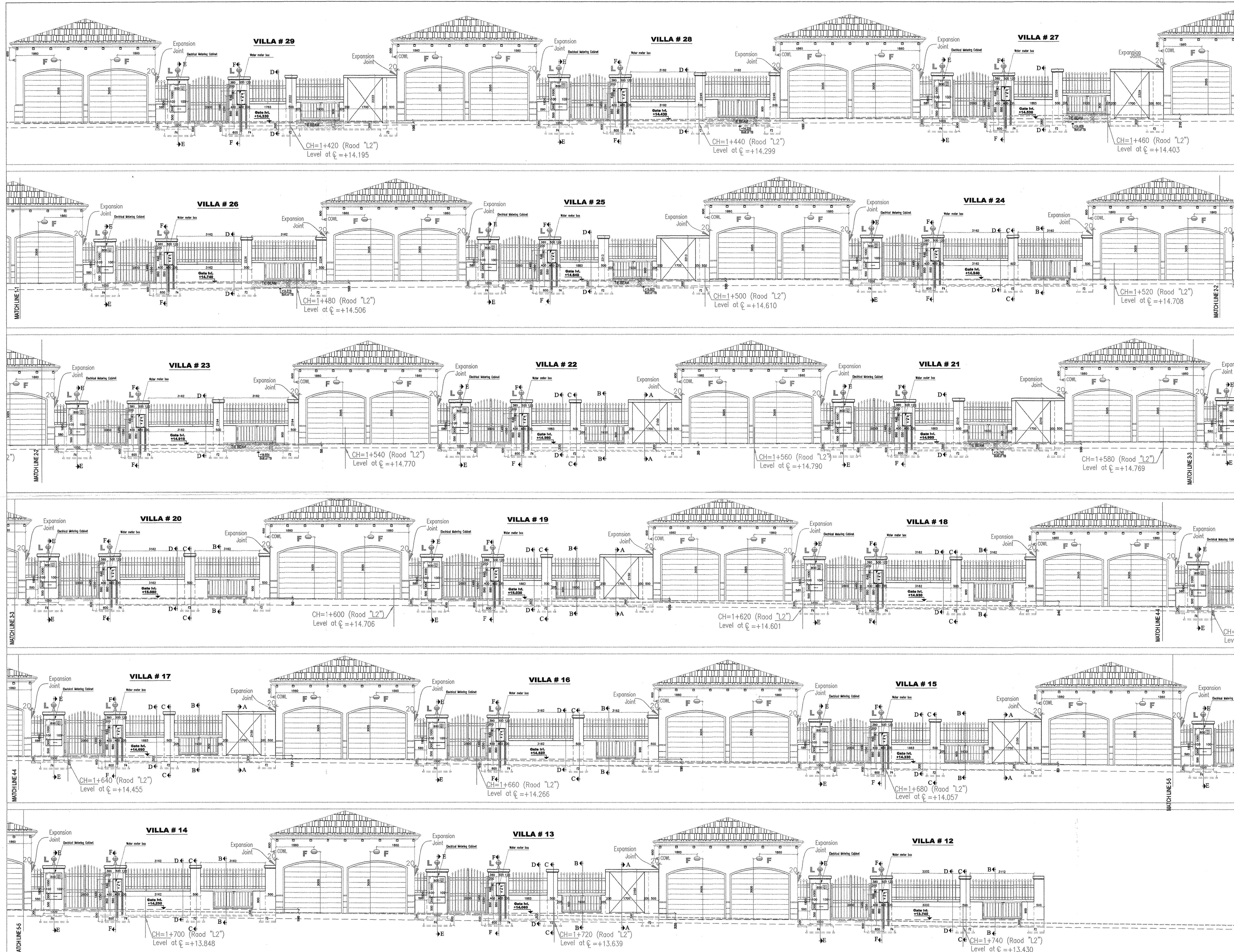
FOR CONTINUATION SEE SHEET NO. 2 OF 9

dar al-handasah
Shear and Partners

CODE 1 APPROVED
CODE 2 APPROVED AS NOTED
CODE 3 RESUBMIT FOR APPROVAL
CODE 4 REJECTED

BY: *[Signature]* DATE: *20/9/12*

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 work. The contractor is responsible for dimensions, quantities and variation with other trades.



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 - d - FOR FOUNDATIONS: 75mm.
 - e - FOR ALL SURFACES IN CONTACT WITH WATER OR VAPOUR: 50mm.

dar al-handasah
Shear and Partners

☒ CODE 1 APPROVED

☐ CODE 2 APPROVED AS NOTED
WORK MAY PROCEED SUBJECT TO INCORPORATION OF ENDORSED COMMENTS

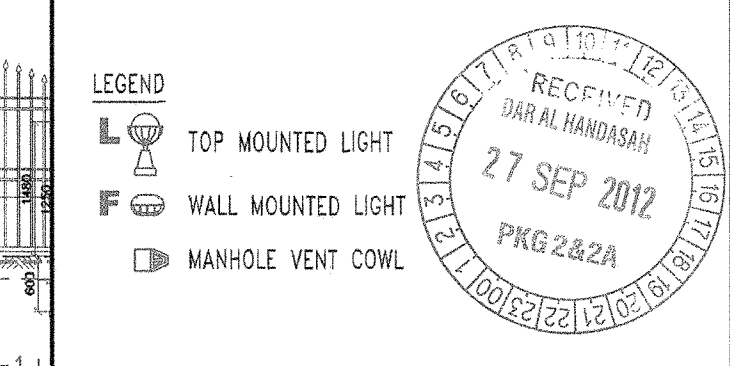
☐ CODE 3 RESUBMIT FOR APPROVAL
WORKING MAY NOT PROCEED

☐ CODE 4 REJECTED

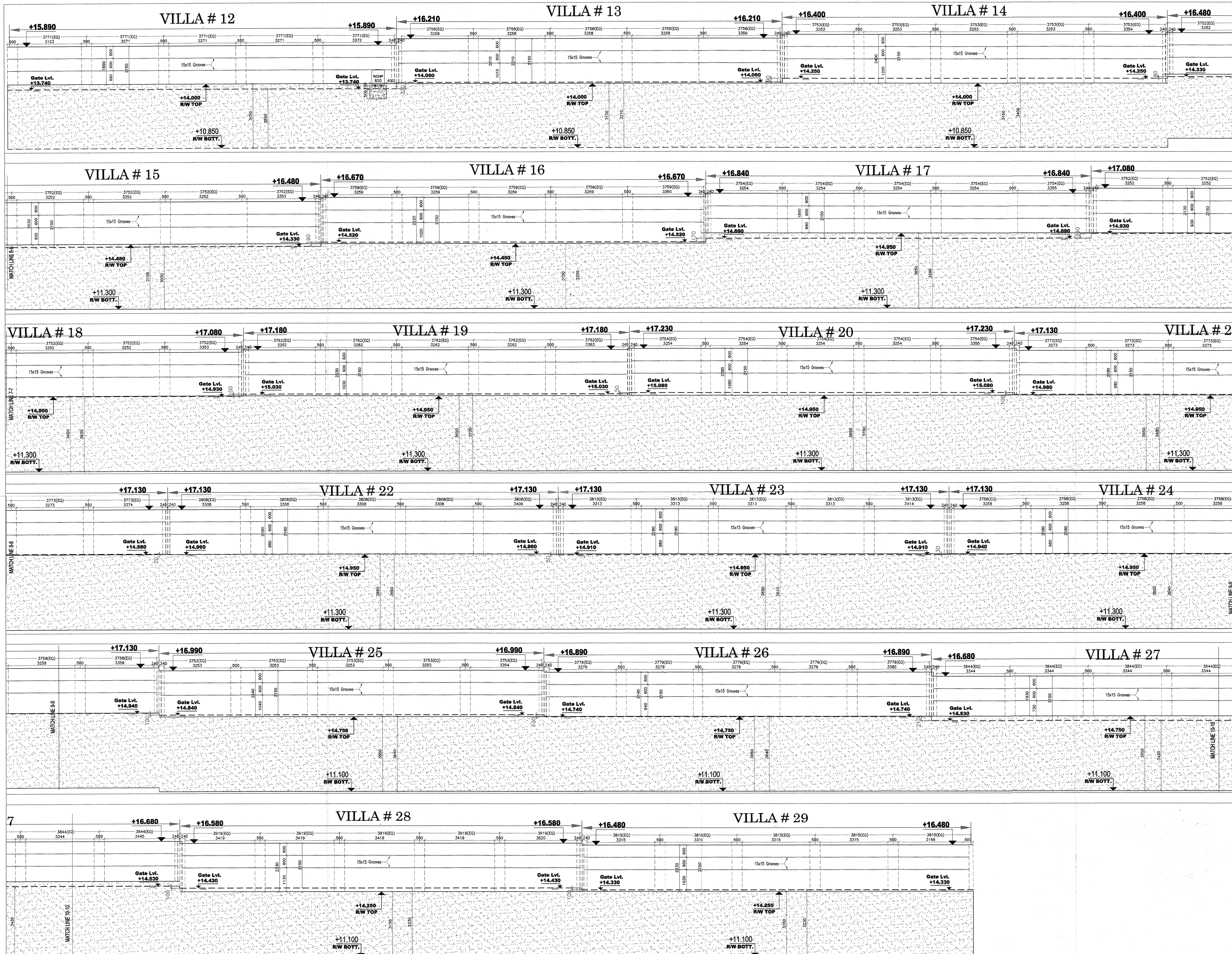
BY: _____ DATE: _____

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1/10/12 D091012 4/10/2012



AS BUILT DRAWING	
Project	JUMEIRAH PARK
Employer	NAKHEEL
Consultant	dar al-handasah shear and partners
Main Contractor	Pauling Middle East
Package	PACKAGE - 2a
Drawing Title	BOUNDARY WALL LAYOUT, SECTIONS, ELEV. & DETAILS CLUSTER-9 4 of 9
Drawn	Thirumangalakudi
Check	Eng. Ziad
Appr.	Eng. Ghassan Zakiouni
Date	15-09-2012
Drawn By	PME / JP / AB / STR / F&B / CLU-9



ELEVATION 'B'

- NOTES:-
- 1) ALL DIMENSIONS ARE IN MM AND LEVELS ARE METERS UNLESS NOTED OTHERWISE.
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d - FOR FOUNDATIONS: 75mm.
e - FOR ALL SURFACES IN CONTACT WITH WATER OR VAPOUR: 50mm.

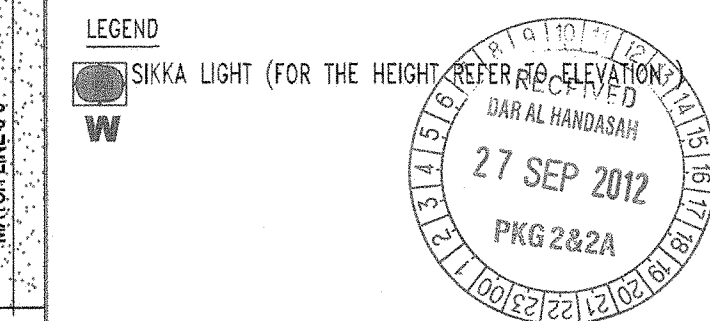
dar al-handasah
Sheir and Partners

☒ CODE 1 APPROVED
☐ CODE 2 APPROVED AS NOTED
WORK MAY PROCEED SUBJECT TO
INCORPORATION OF ENDORSED
COMMENTS
☐ CODE 3 RESUBMIT FOR APPROVAL
WORK MAY NOT PROCEED
☐ CODE 4 REJECTED

BY: _____ DATE: _____

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.
Contractor is responsible for dimensions, quantities and
coordination with other trades.

1/10/12 Dohar 2/10/2012



AS BUILT DRAWING

Project
JUMEIRAH PARK

Employer
NAKHEEL

Consultant
dar al-handasah
sheir and partners

Main Contractor
Pauling Middle East

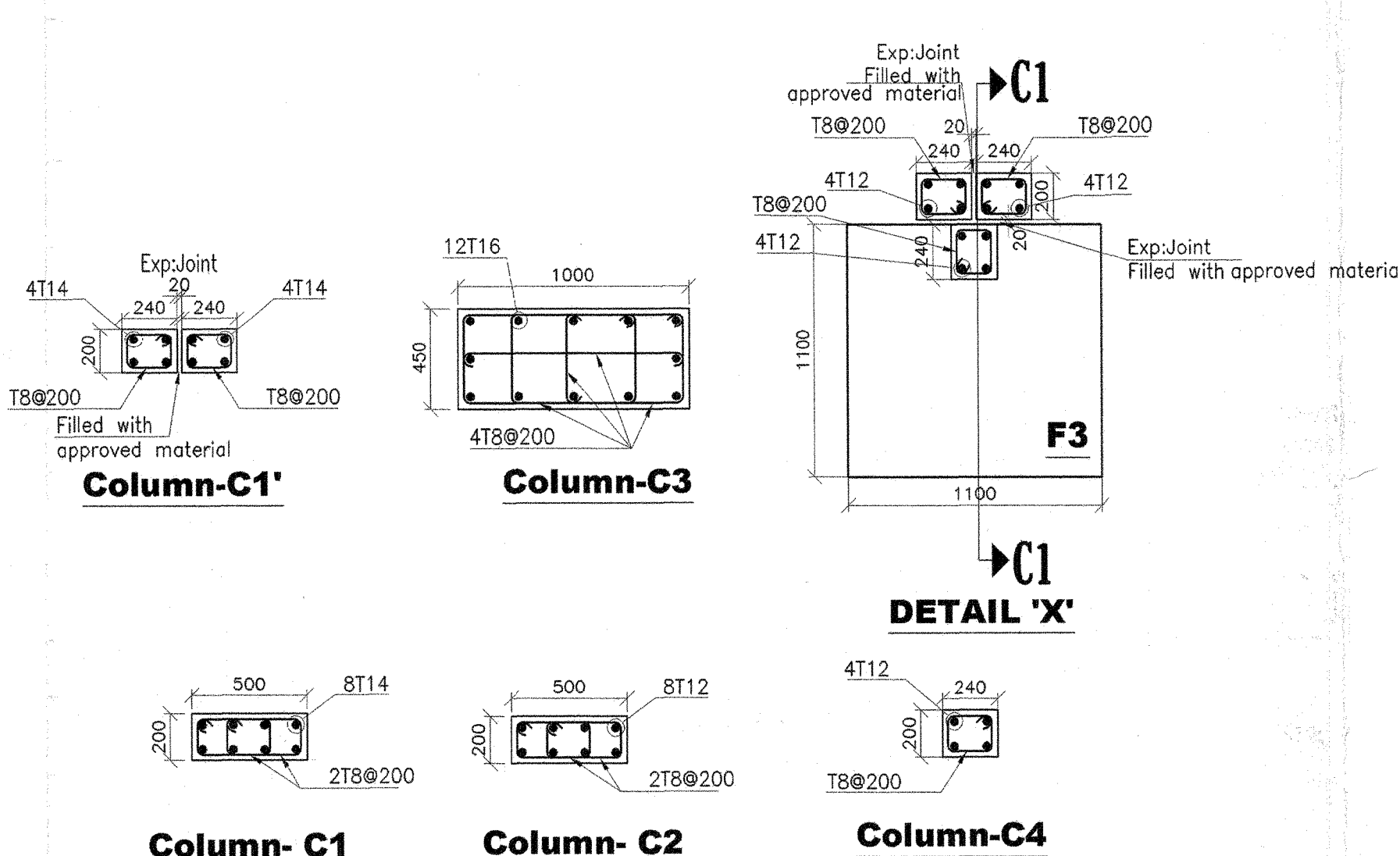
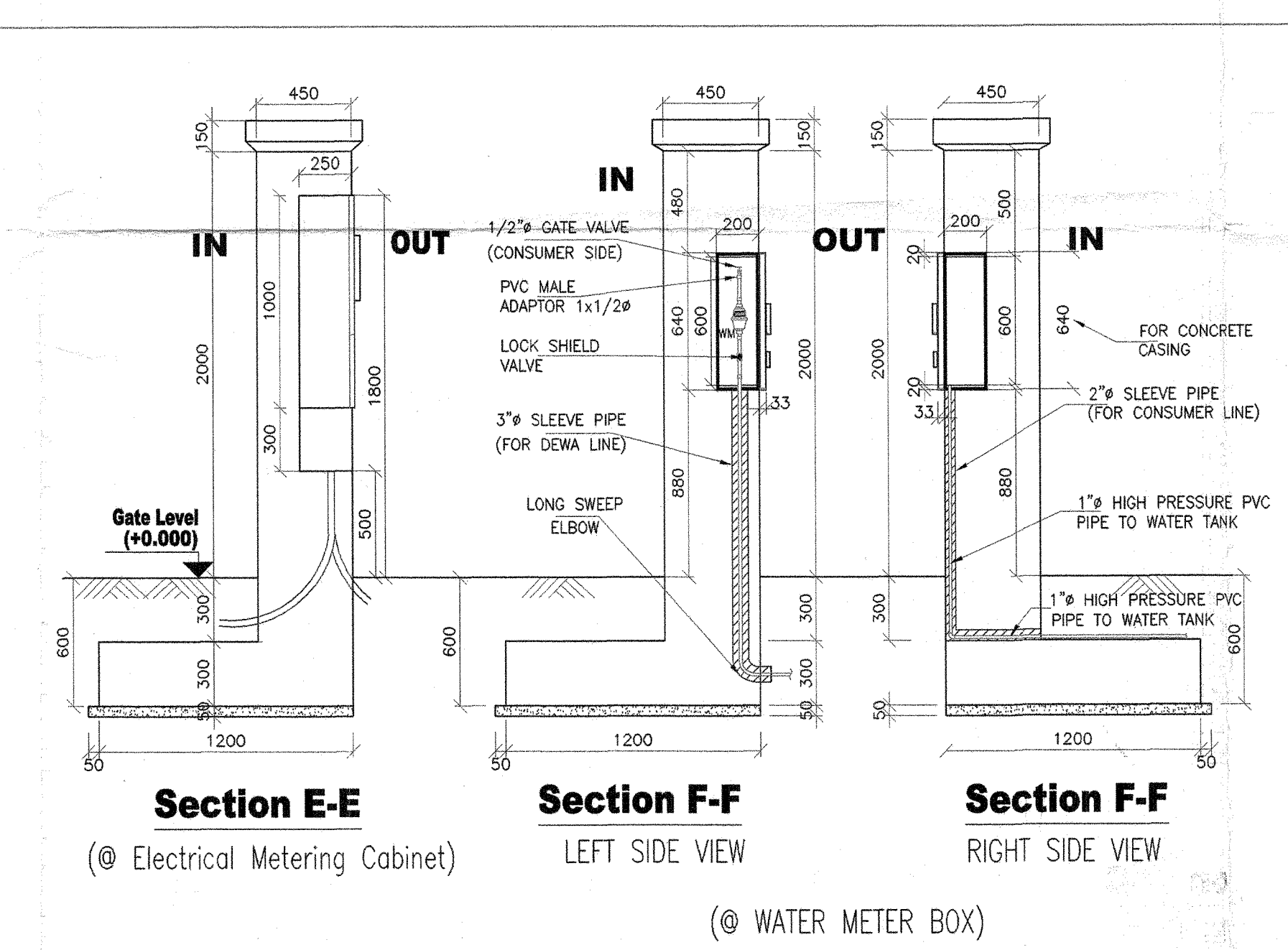
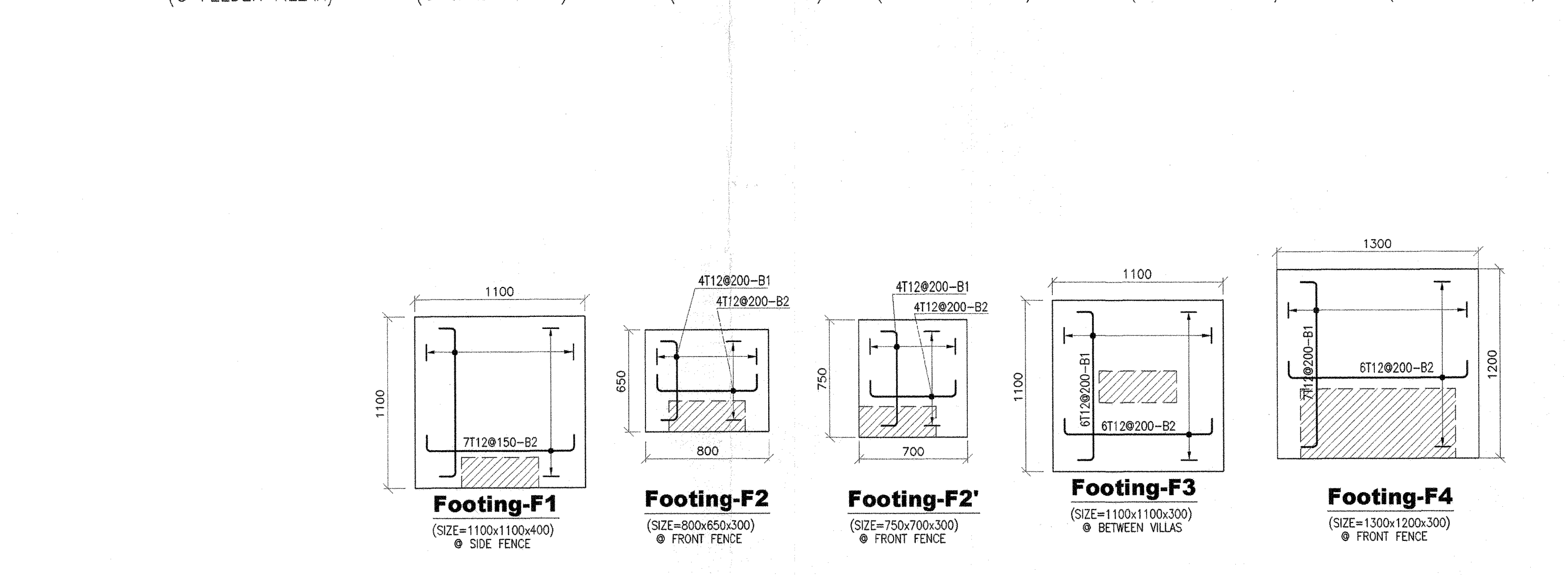
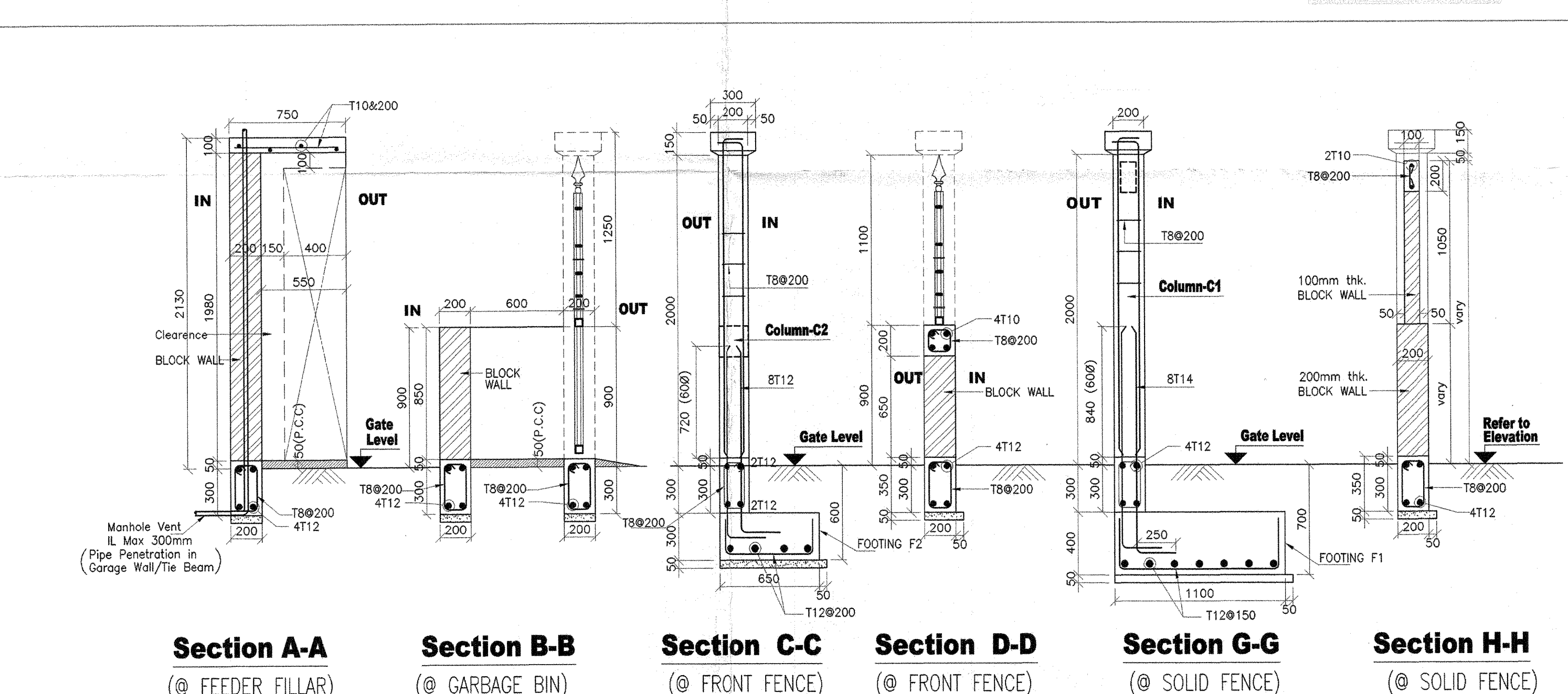
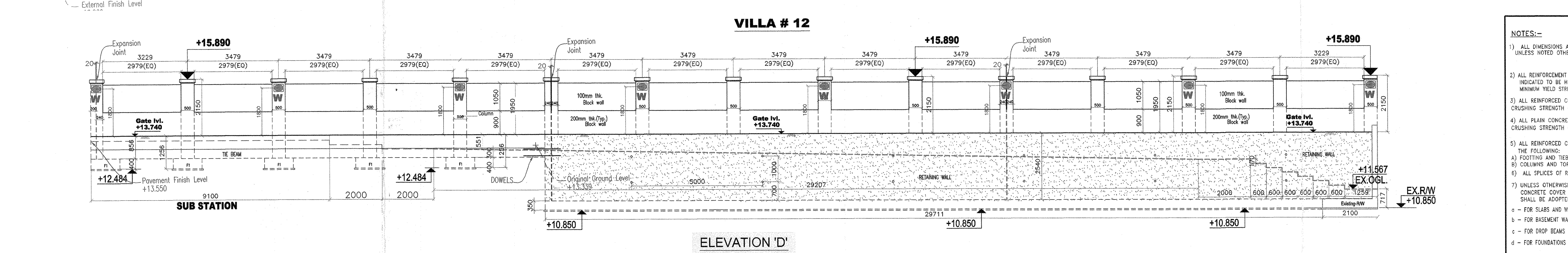
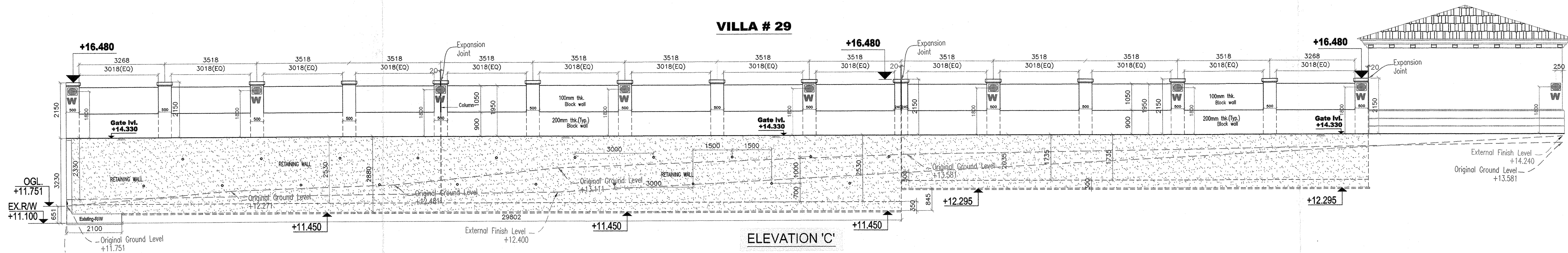
Package
PACKAGE - 2a

Drawing Title
**BOUNDARY WALL
LAYOUT, SECTIONS, ELEV. & DETAILS
CLUSTER-9**

5 of 9

Drawn: Thirumangalakudi
Reviewed: Eng. Ziad
Checked: Eng. Ghassan Zaidoun
Date: 18-09-2012

Drawing No.
PME / JP / AB / STR / F&B / CLU-9



NOTES:-

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 - FOR ALL SURFACES IN CONTACT WITH WATER OR VAPOUR: 50mm.

LEGEND

SIKKA LIGHT (FOR THE HEIGHT REFER TO ELEVATION)

AS BUILT DRAWING

JUMEIRAH PARK

Employer
NAKHEEL

Consultant
dar al-handasah shair and partners

Main Contractor
Pauling Middle East

PACKAGE - 2a

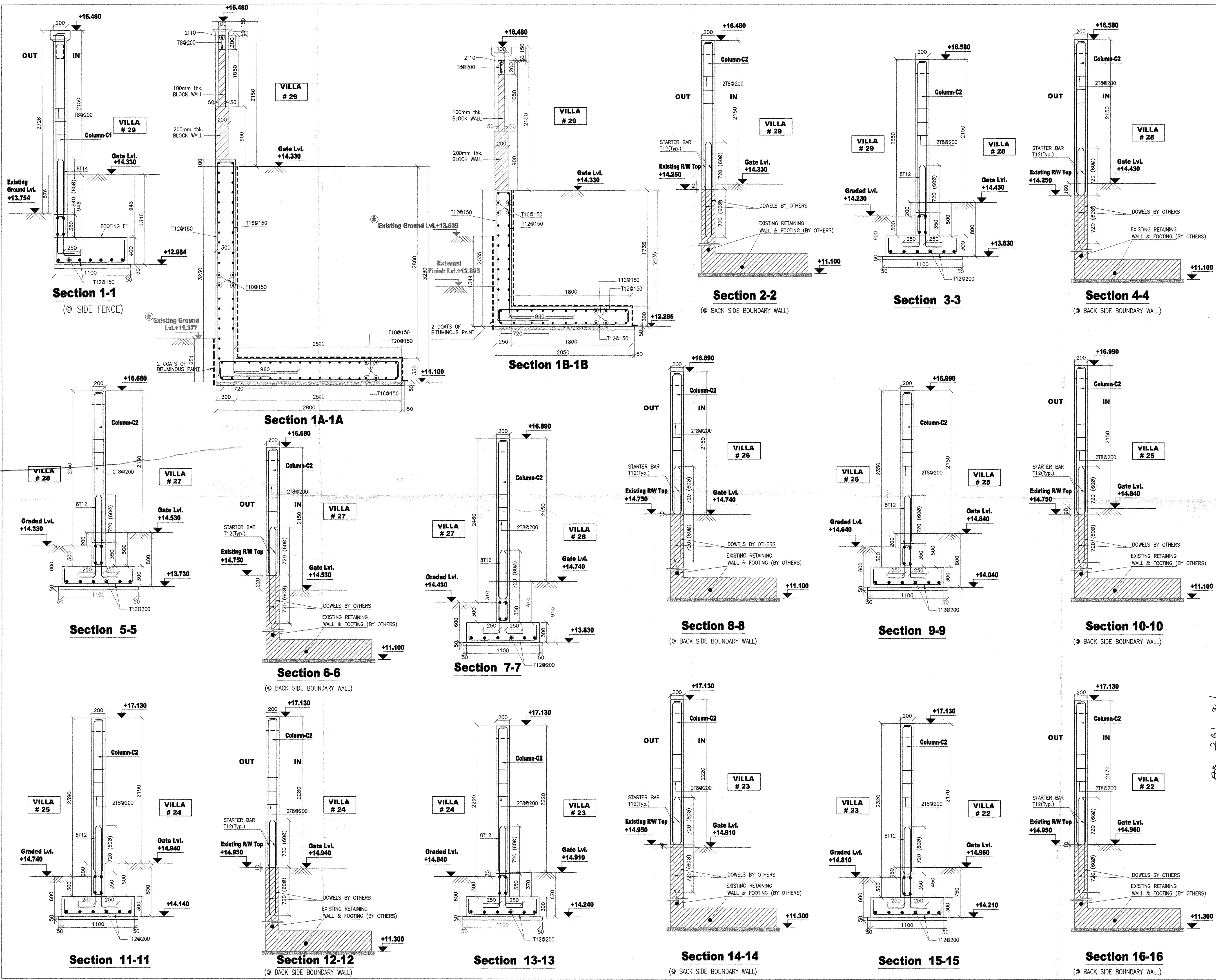
BOUNDARY WALL LAYOUT, SECTIONS, ELEV. & DETAILS CLUSTER-9 6 of 9

Drawing Title

Scale
1:25

Date
18-09-2012

Drawn by
PME / JP / AB / STR / F&B / CLU-9



- NOTES:-**
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 - d - FOR FOUNDATIONS: 75mm.
 - 8) $\oplus$ FOR ALL SURFACES IN CONTACT WITH WATER OR VAPOUR: 50mm.
 - 9) $\oplus$ EXISTING LEVEL TO BE AS PER DESIGN LEVEL BY OTHERS.

dar al-handasah
Shari and Partners

☒ CODE 1 APPROVED

☐ CODE 2 APPROVED AS NOTED WORK MAY PROCEED SUBJECT TO INCORPORATION OF UNCORRECTED COMMENTS

☐ CODE 3 RESUBMIT FOR APPROVAL WORK MAY NOT PROCEED

☐ CODE 4 REJECTED

BY: _____ DATE: _____

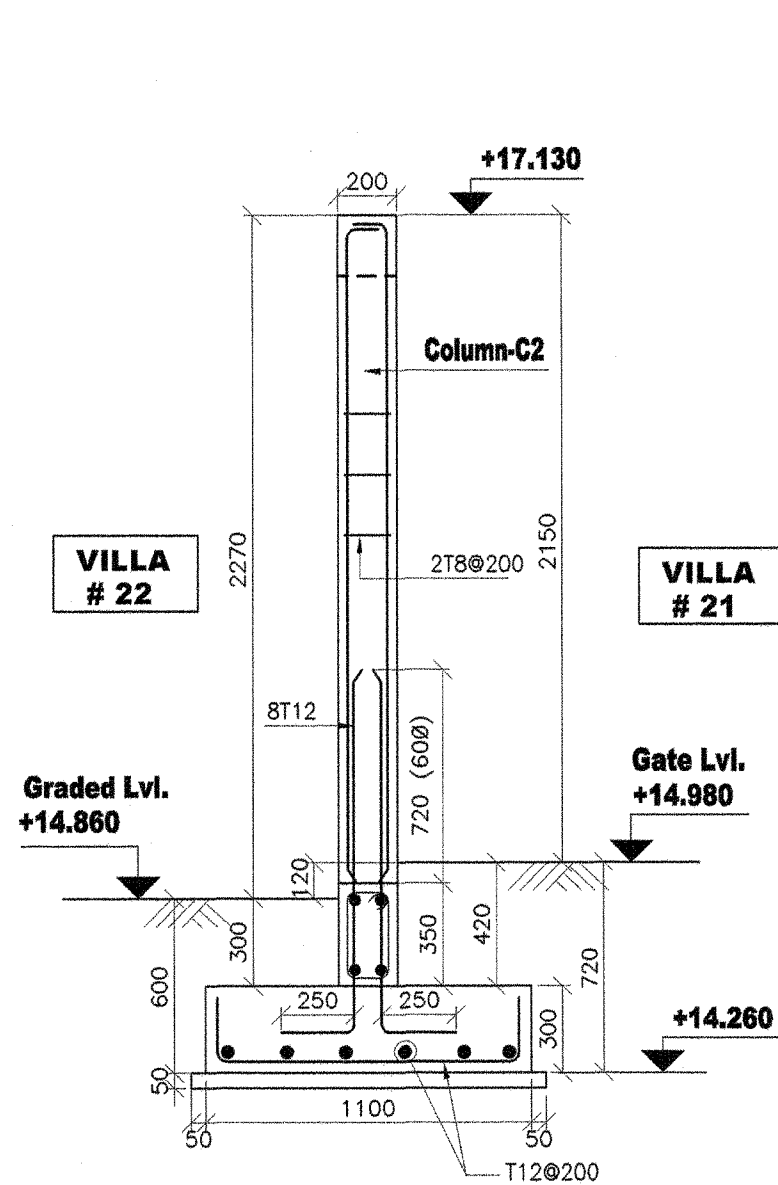
Approval shall not relieve the contractor of any of his obligations under the Contract or constitute a confirmation of any change to Contract Documents or a release to the works. Contractor is responsible for dimensions, quantities and coordination with other trades.

10/11/12

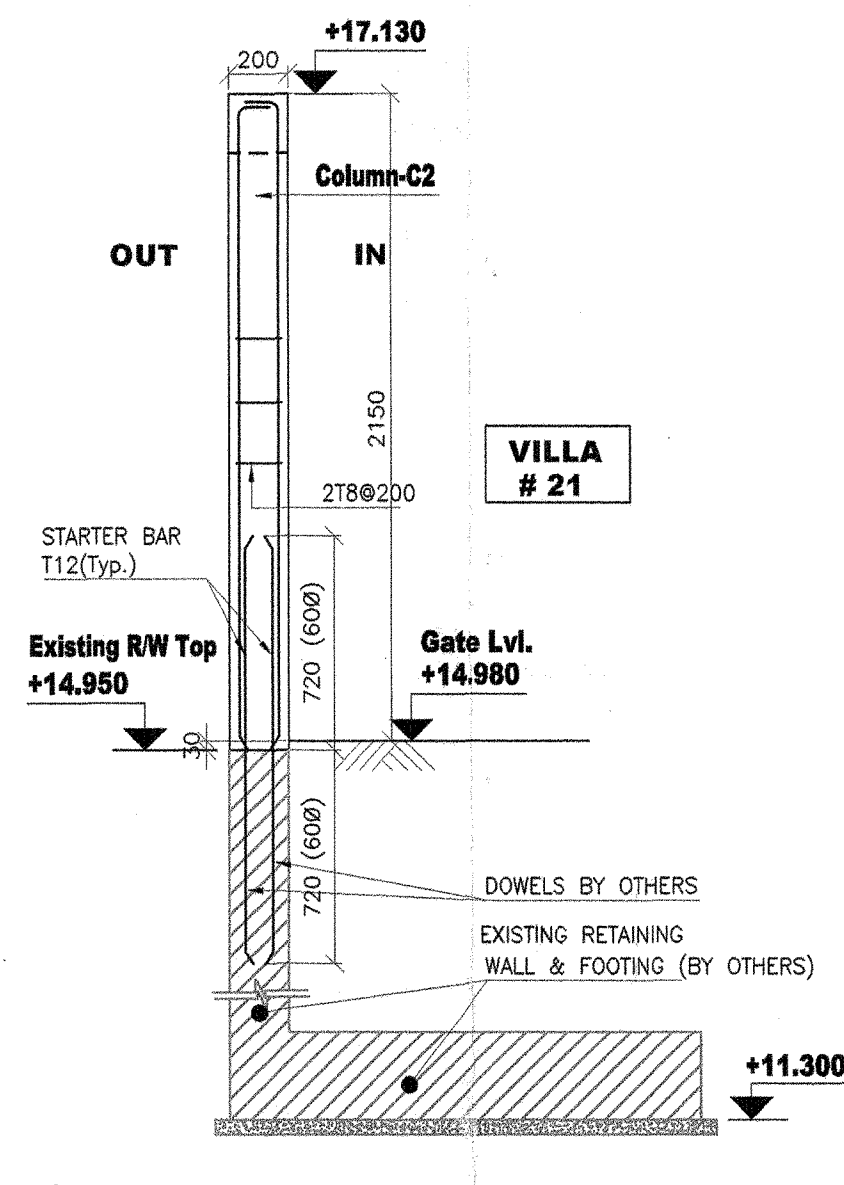


AS 261 2.1

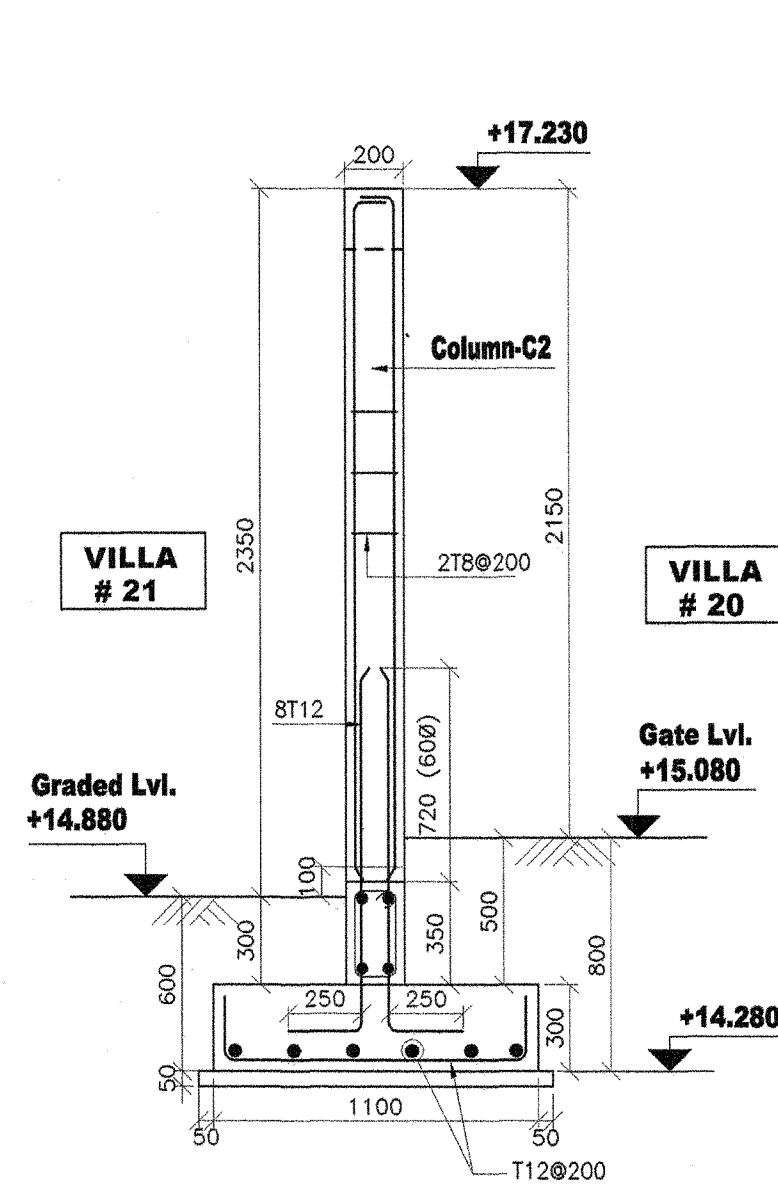
AS BUILT DRAWING	
Project	JUMEIRAH PARK
Employer	NAKHEEL
Consultant	dar al-handasah shari and partners
Main Contractor	Pauling Middle East
Package	PACKAGE - 2a
Drawing Title	BOUNDARY WALL LAYOUT, SECTIONS, ELEV. & DETAILS CLUSTER-9 7 of 9
Drawn	Thimurugan
Review	Eng. Ziad
Check	Eng. Enayoun Zefroui
Scale	1:25
Date	18-09-2012
Approved	
Drawing No.	PME / JP / AB / STR / F&B / CLU-9



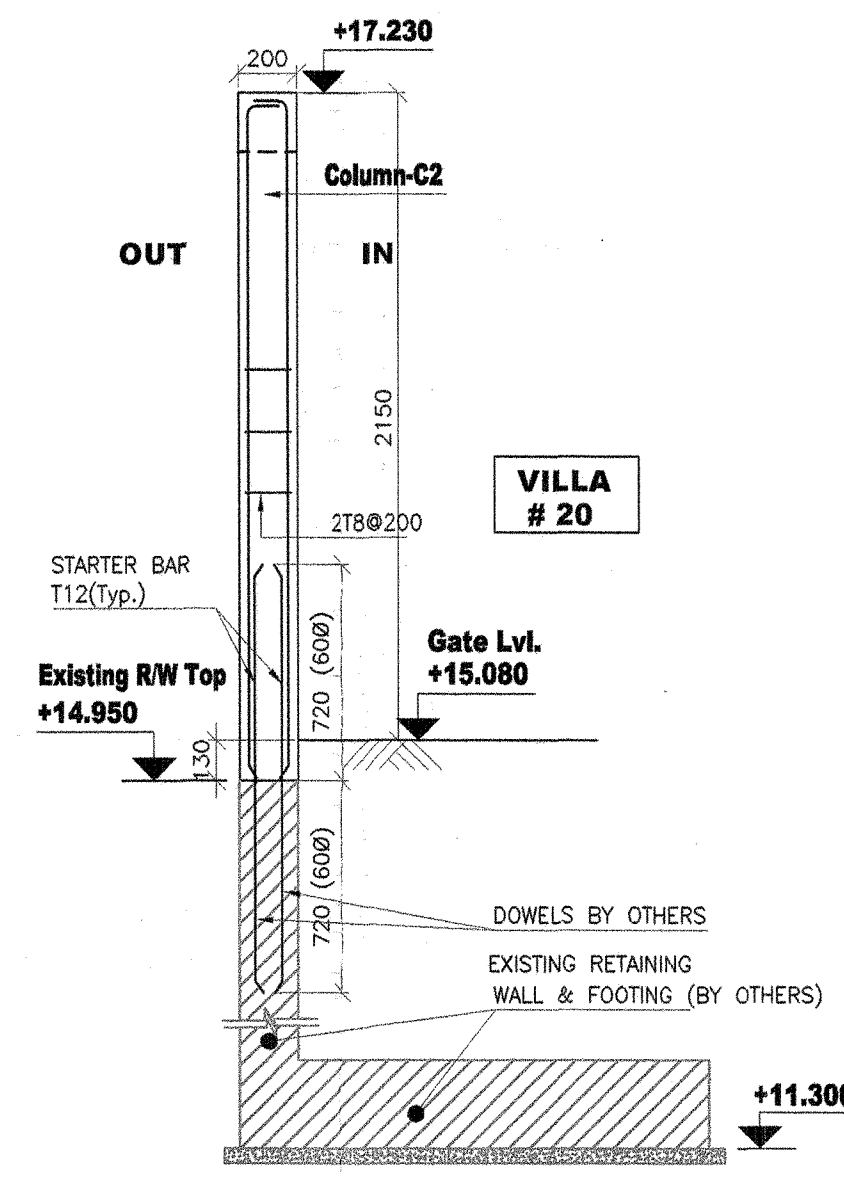
Section 17-17



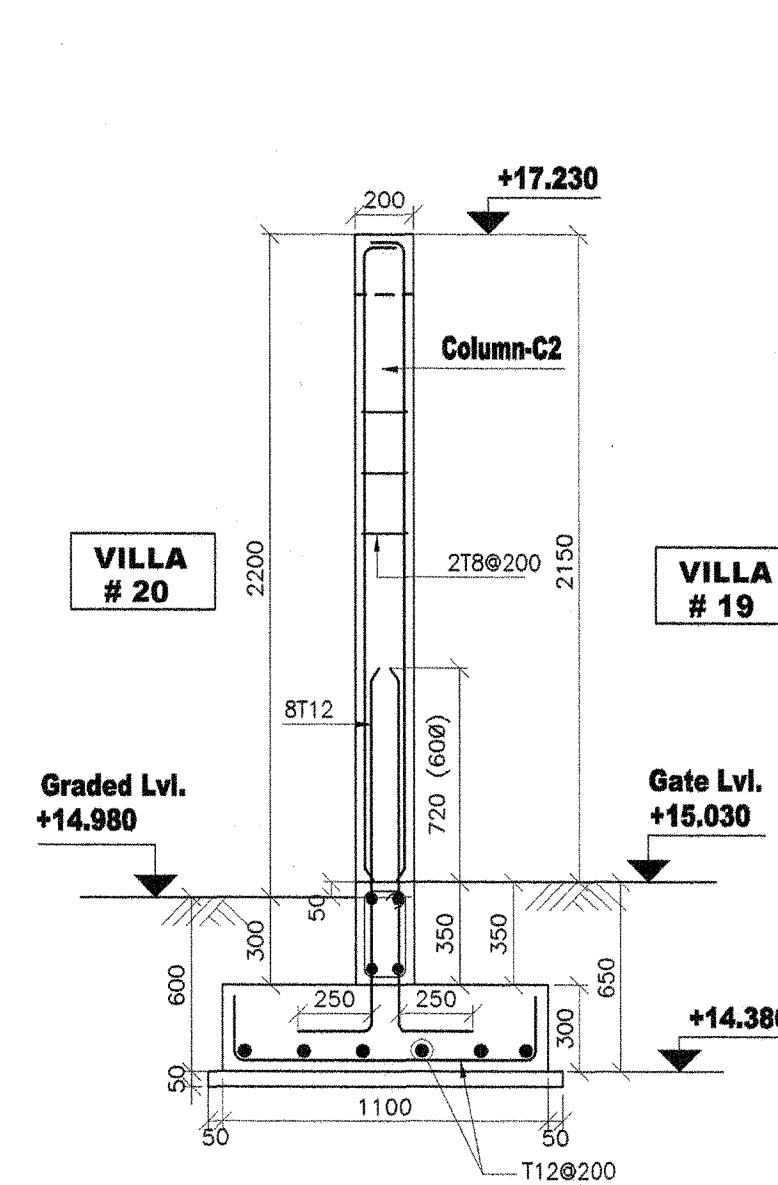
Section 18-18
(© BACK SIDE BOUNDARY WALL)



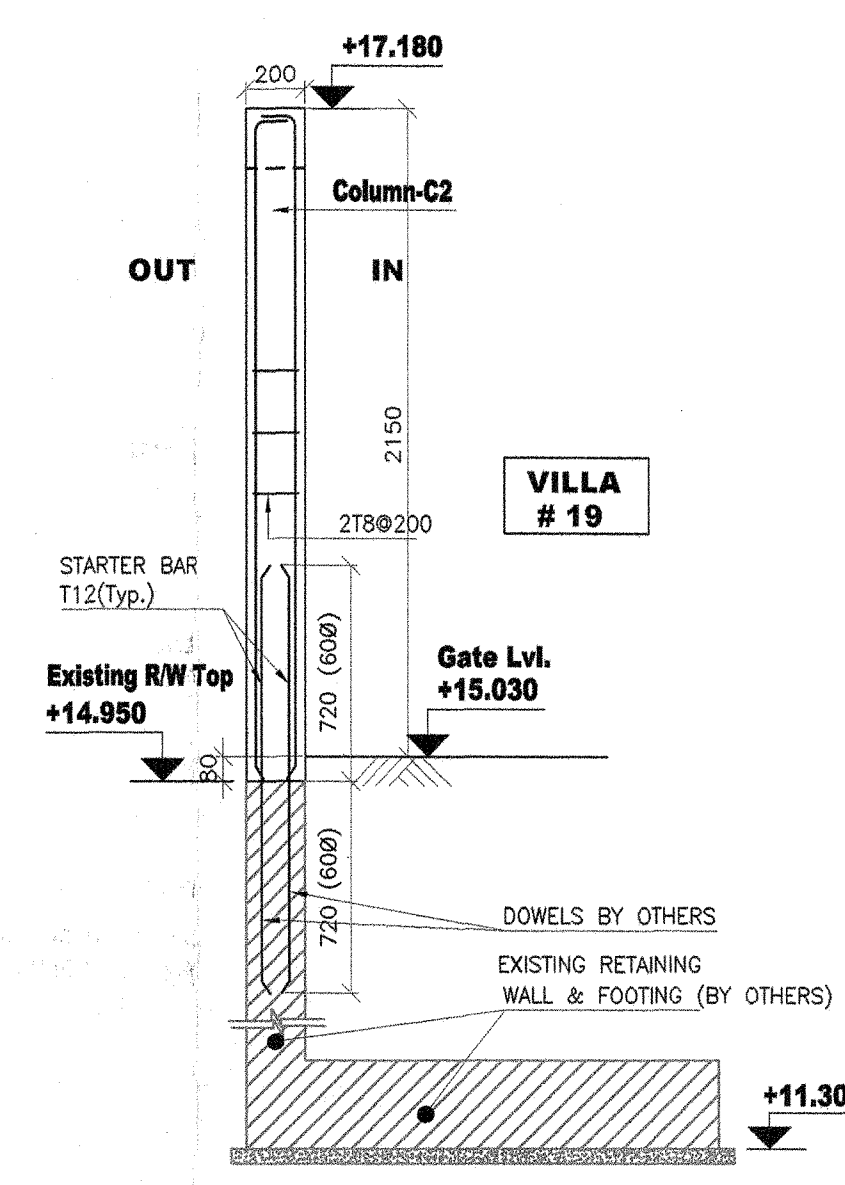
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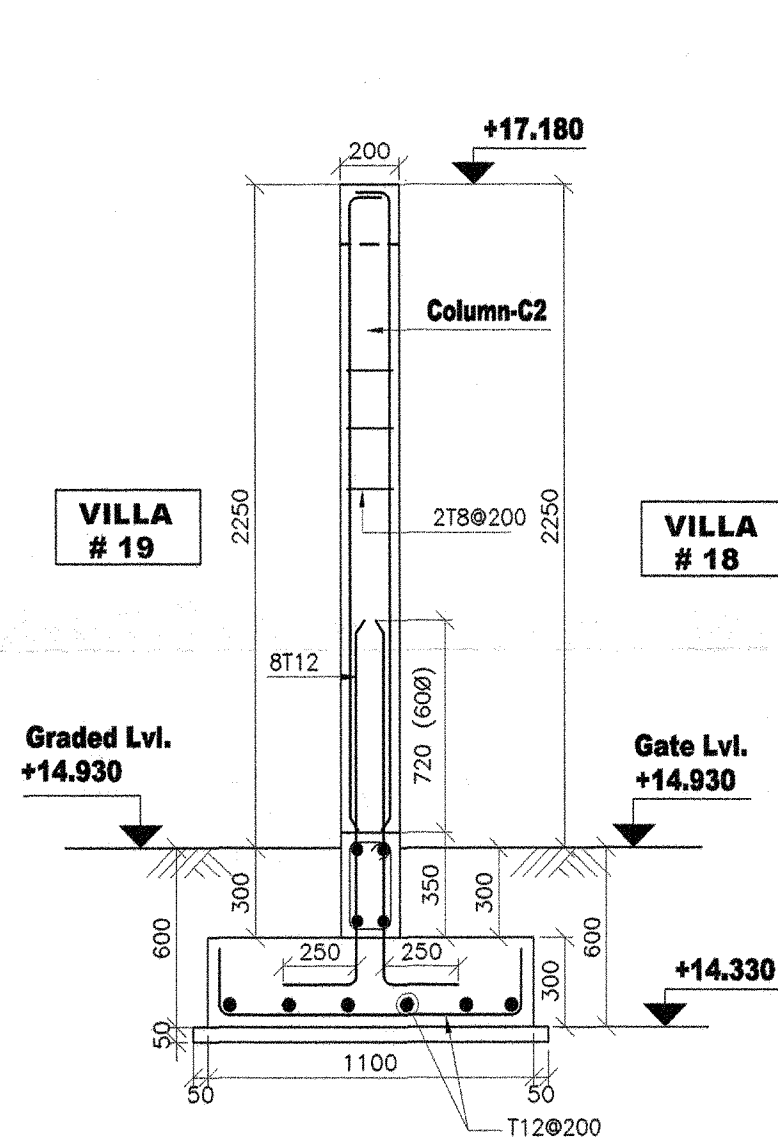
Section 20-20
(© BACK SIDE BOUNDARY WALL)



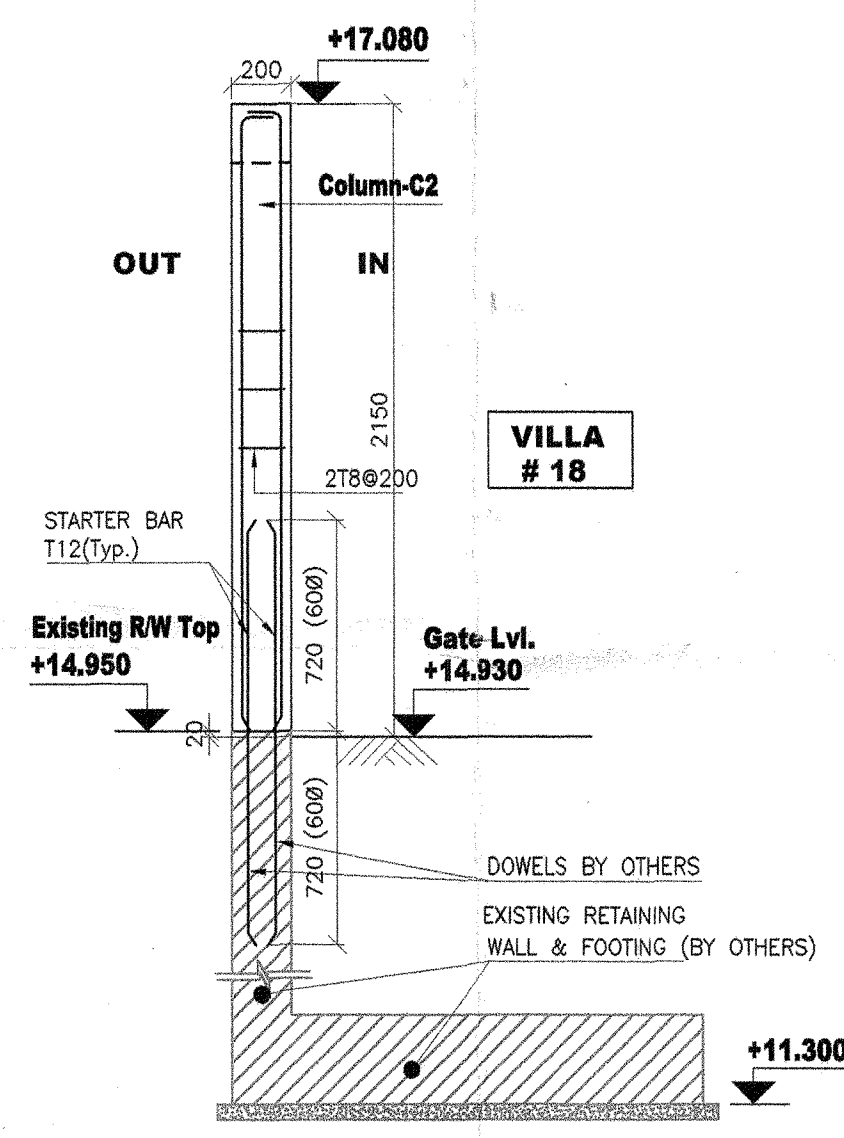
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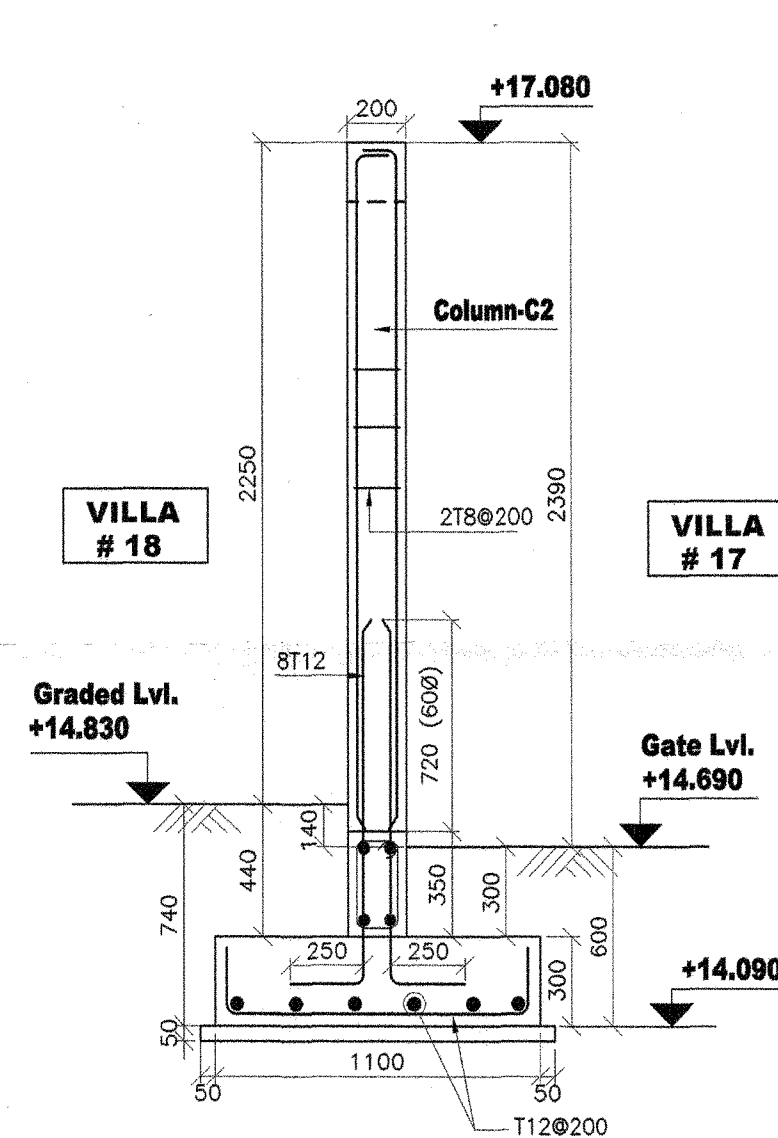
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(© BACK SIDE BOUNDARY WALL)



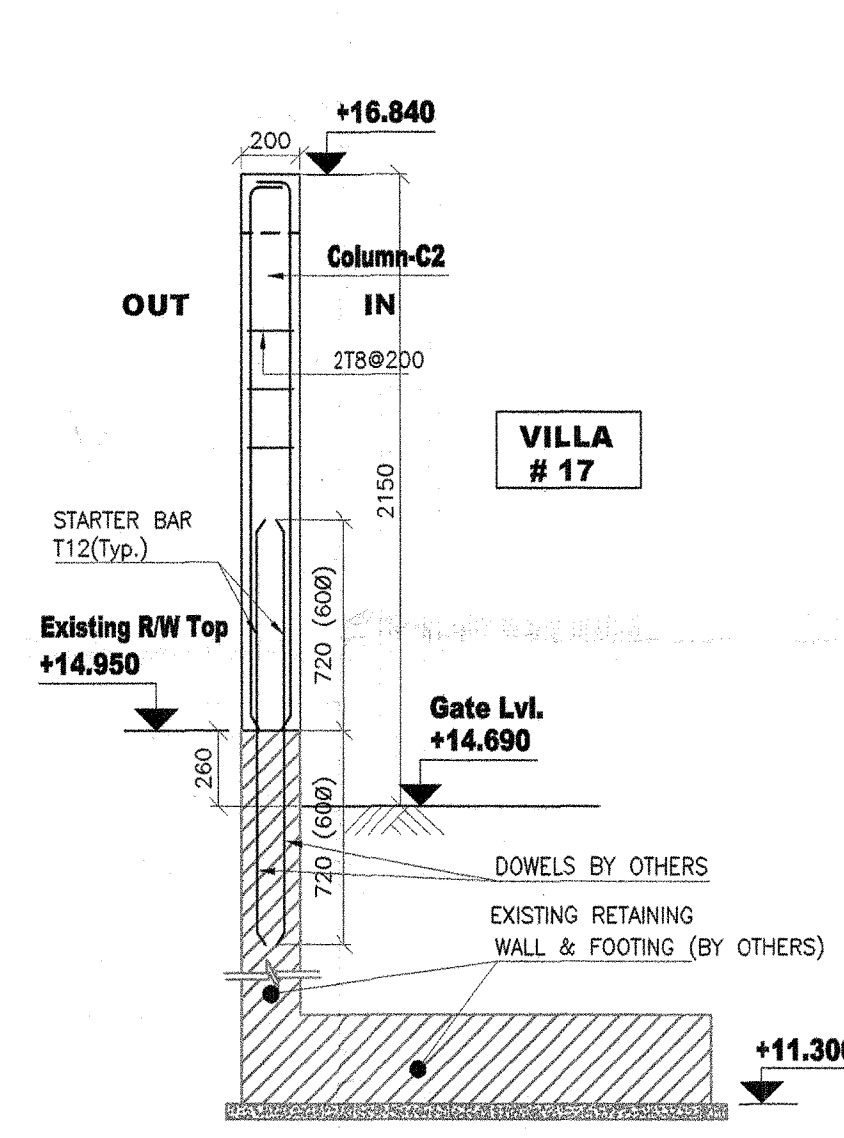
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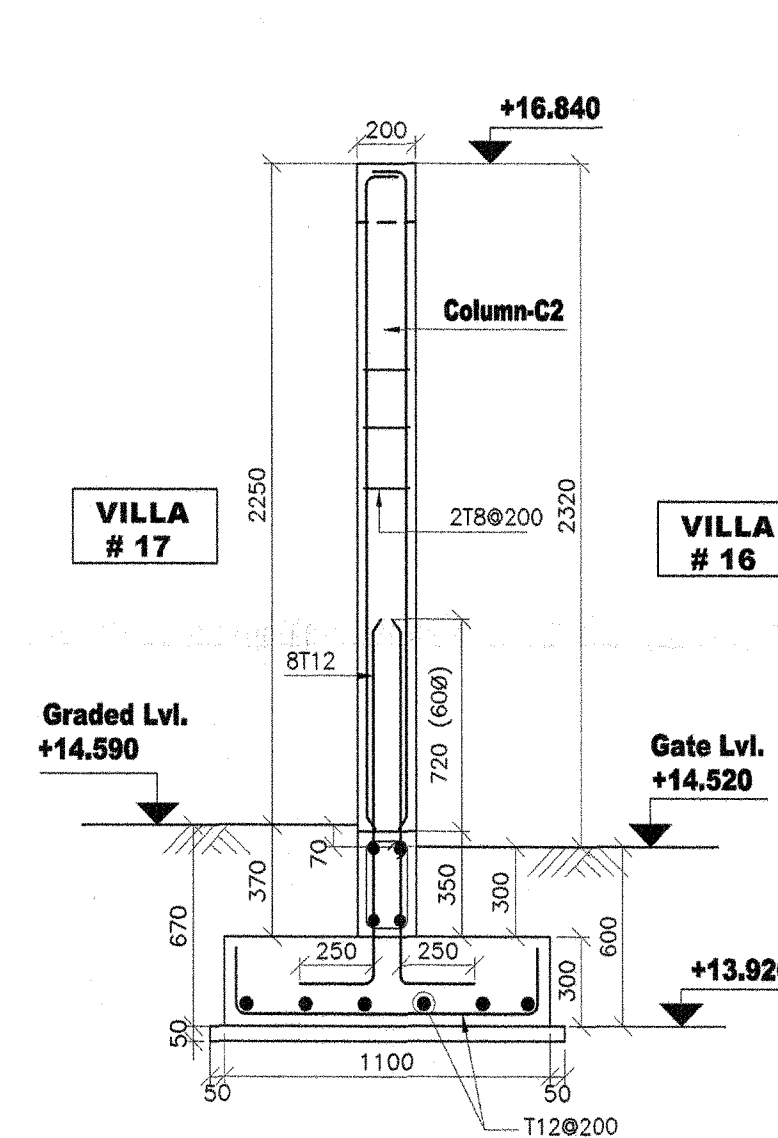
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(© BACK SIDE BOUNDARY WALL)



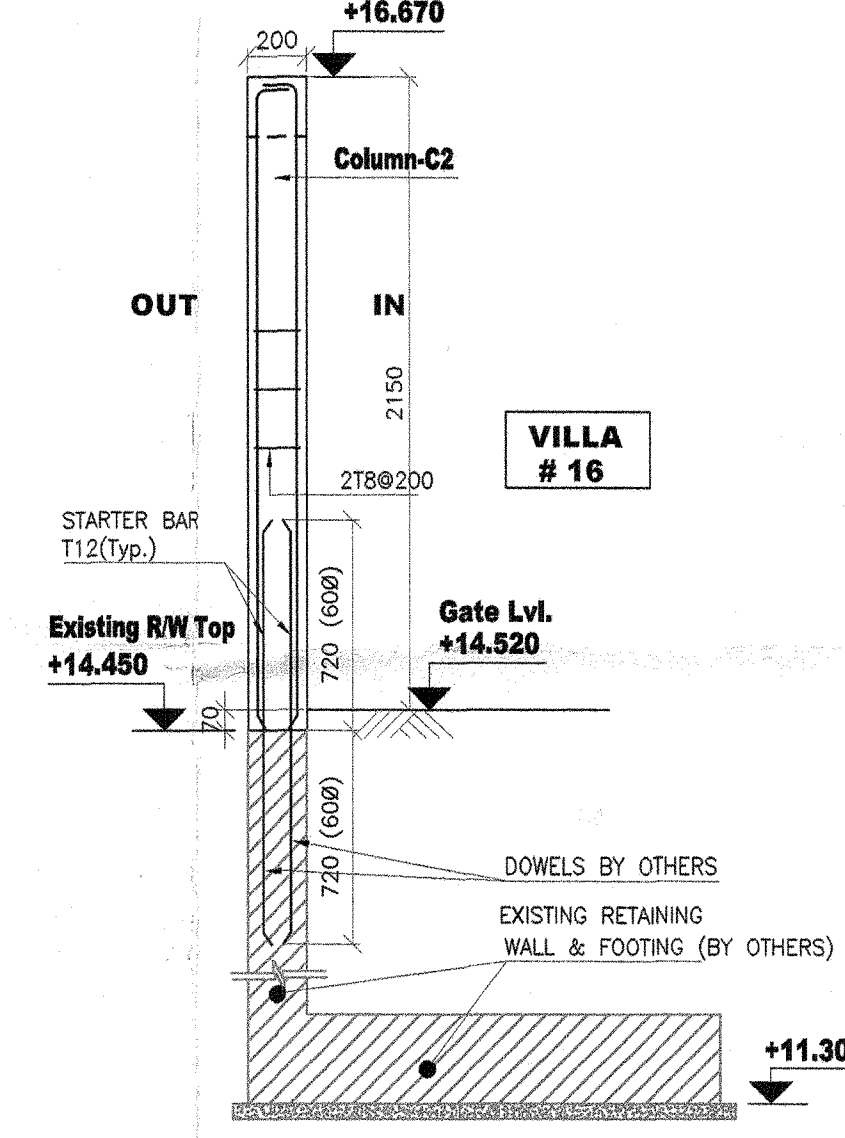
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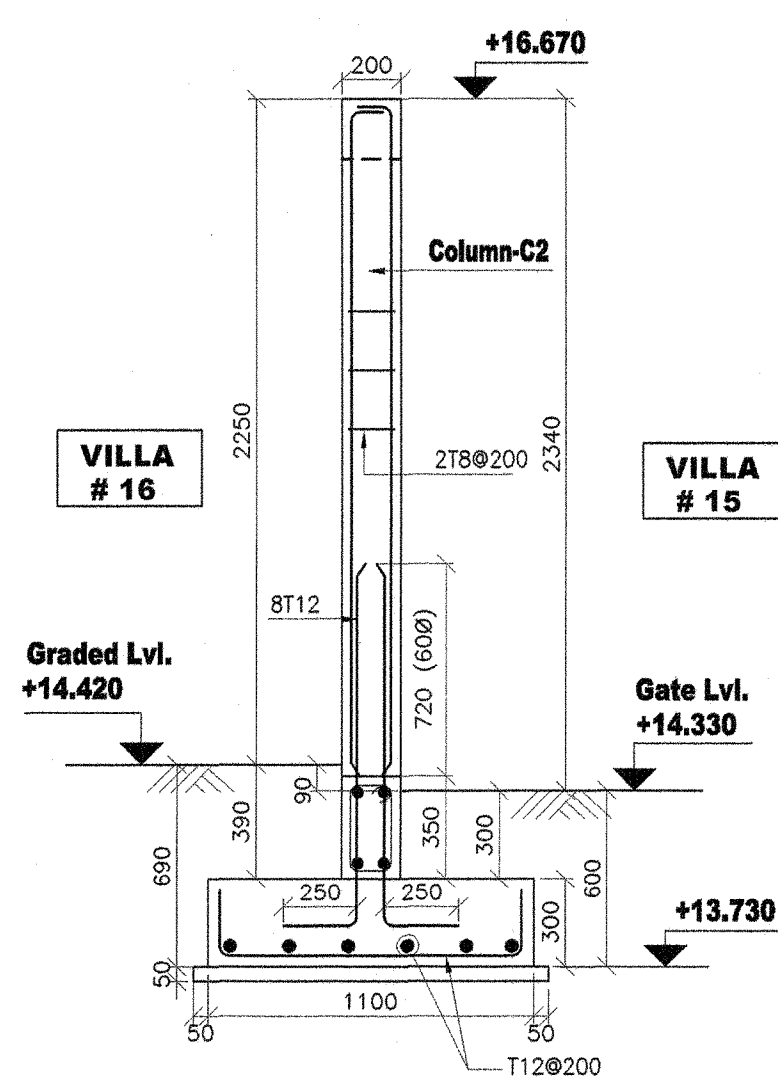
Section 26-26
(© BACK SIDE BOUNDARY WALL)



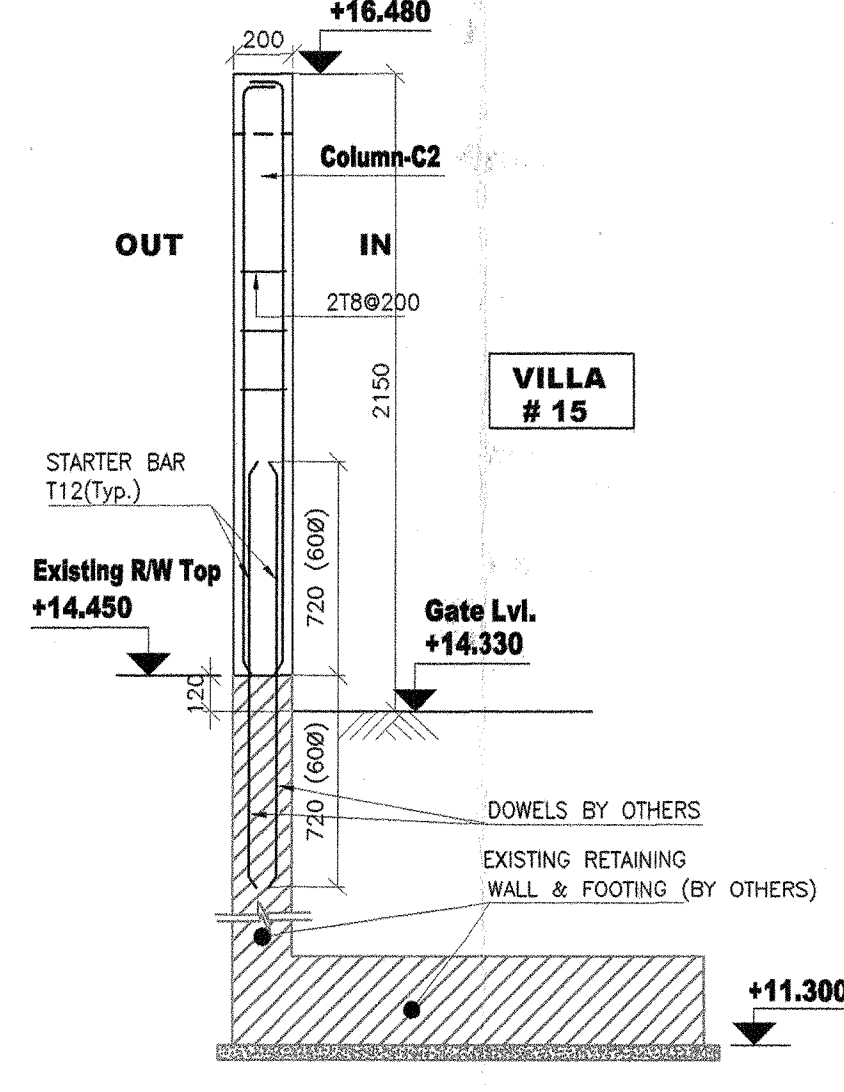
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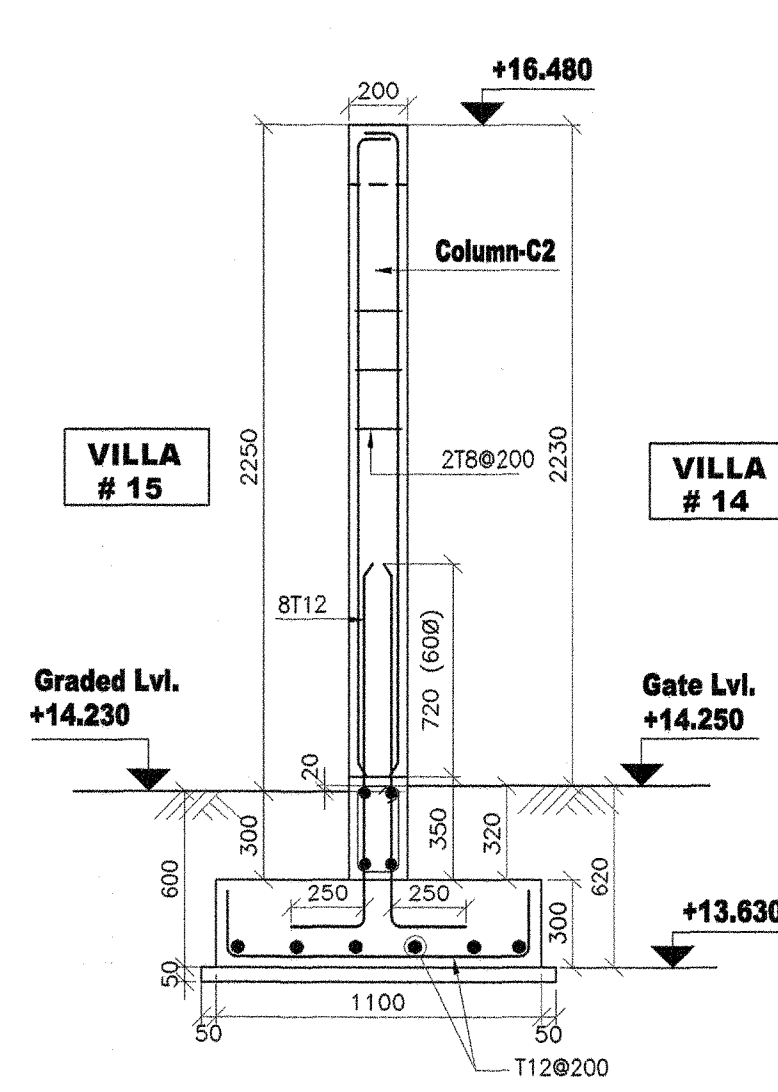
Section 28-28
(© BACK SIDE BOUNDARY WALL)



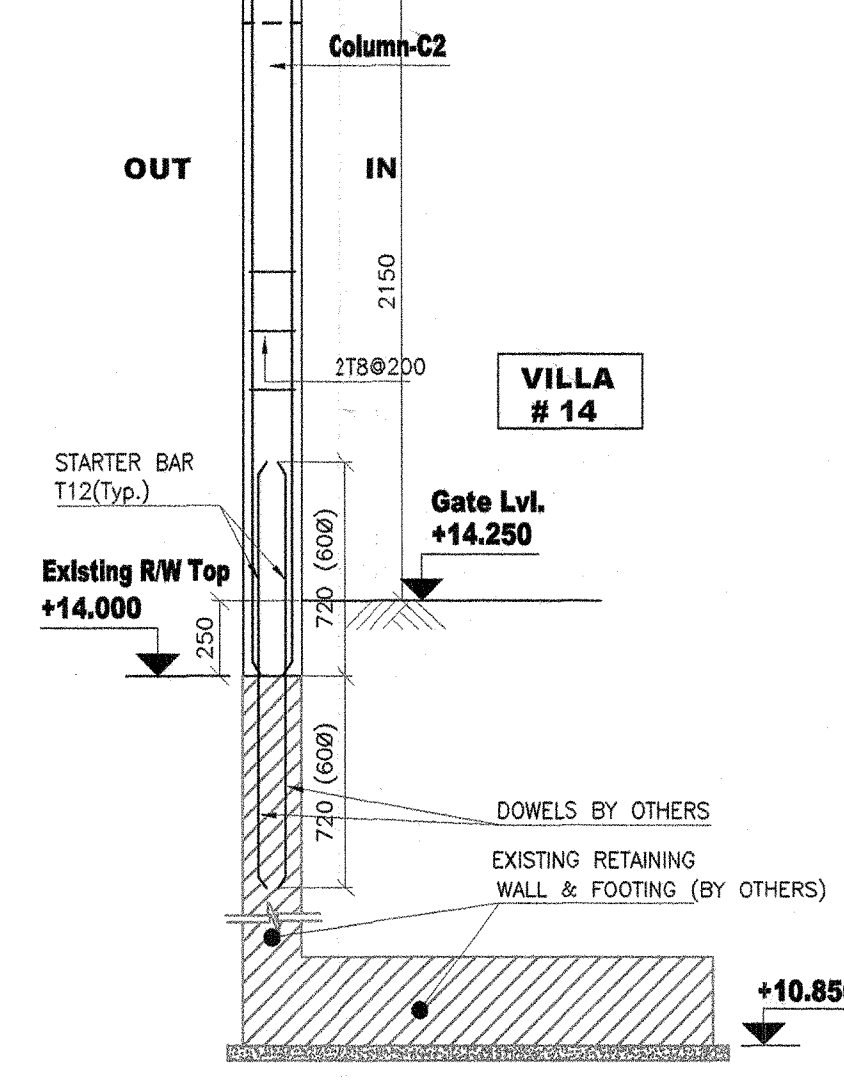
Section 29-29



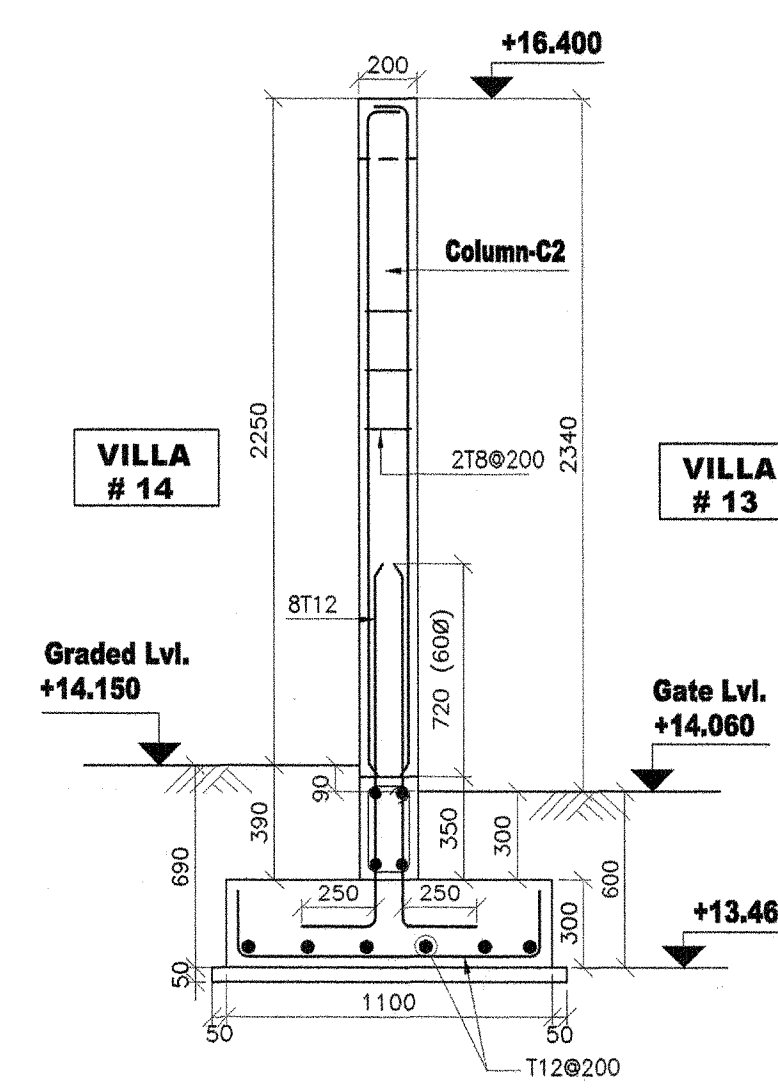
Section 30-30
(© BACK SIDE BOUNDARY WALL)



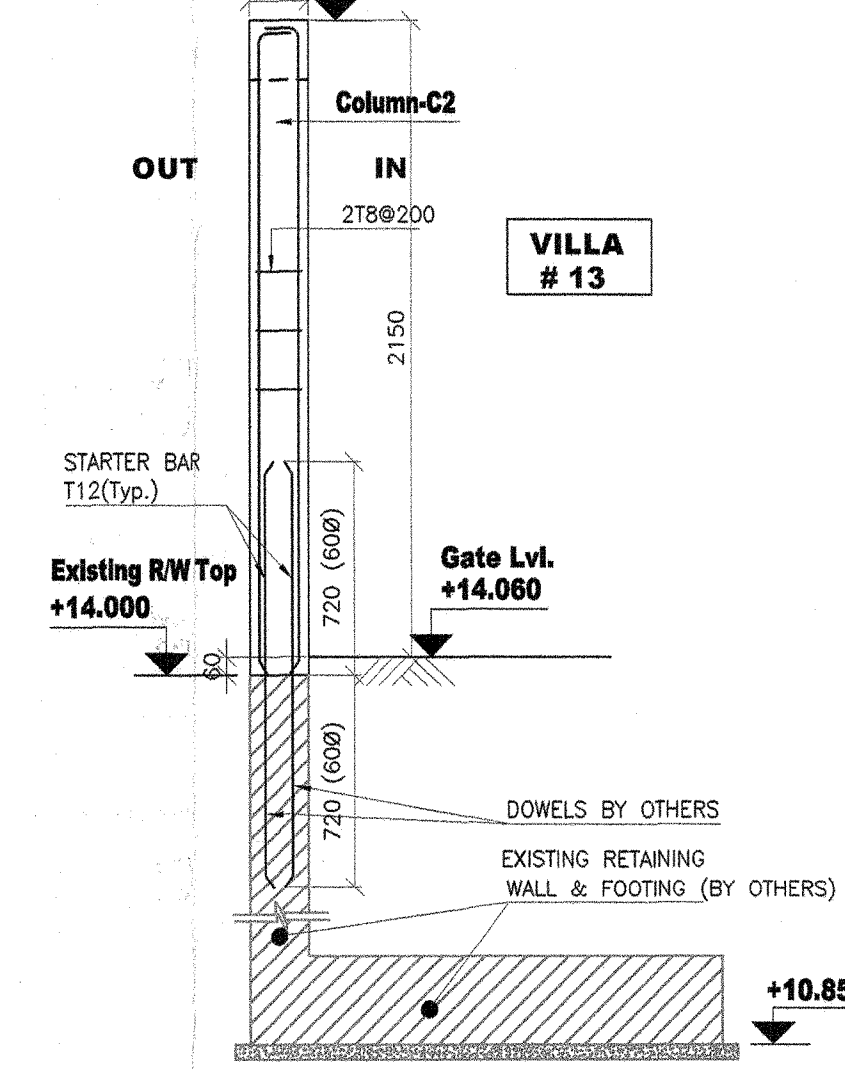
Section 31-31



Section 32-32
(© BACK SIDE BOUNDARY WALL)



Section 33-33



Section 34-34
(© BACK SIDE BOUNDARY WALL)

- NOTES:-
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dar al-handasah
Sheair and Partners

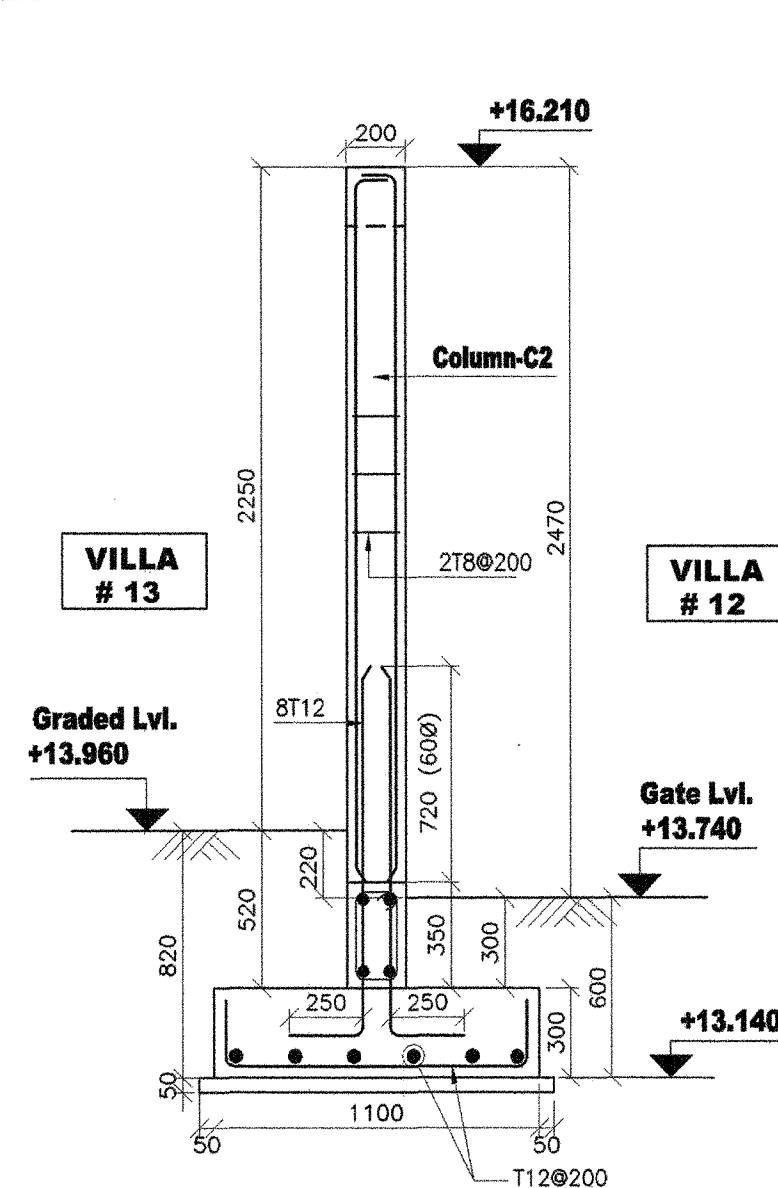
CODE 1 APPROVED
CODE 2 APPROVED AS NOTED
CODE 3 RESUBMIT FOR APPROVAL
CODE 4 REJECTED

BY: *1/10/12* DATE: *2/10/2012*

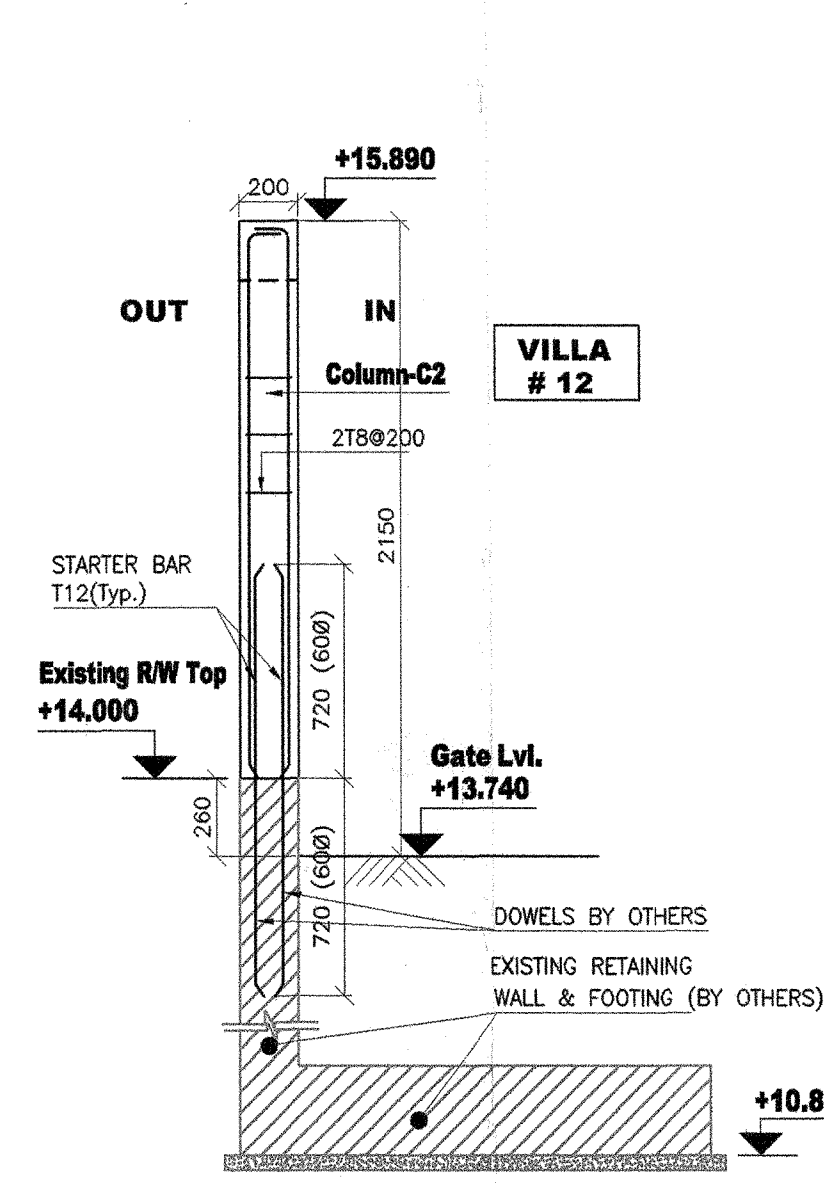
Approval shall not relieve the contractor of any of his obligations under the Contract or constitute authorization of any change to Contract Documents or variation to the works. Contractor is responsible for dimensions, quantities and coordination with other trades.



AS BUILT DRAWING	
Project	JUMEIRAH PARK
Employer	NAKHEEL
Consultant	dar al-handasah sheair and partners
Main Contractor	Pauling Middle East
Package	PACKAGE - 2a
Drawing Title	BOUNDARY WALL LAYOUT, SECTIONS, ELEV. & DETAILS CLUSTER-9 8 of 9
Drawn	Thirumurugan
Checked	Eng. Ziad
Approved	Eng. Ghassan Zakiouni
Date	13-09-2012
Drawing No.	PME / JP / AB / STR / F&B / CLU-9

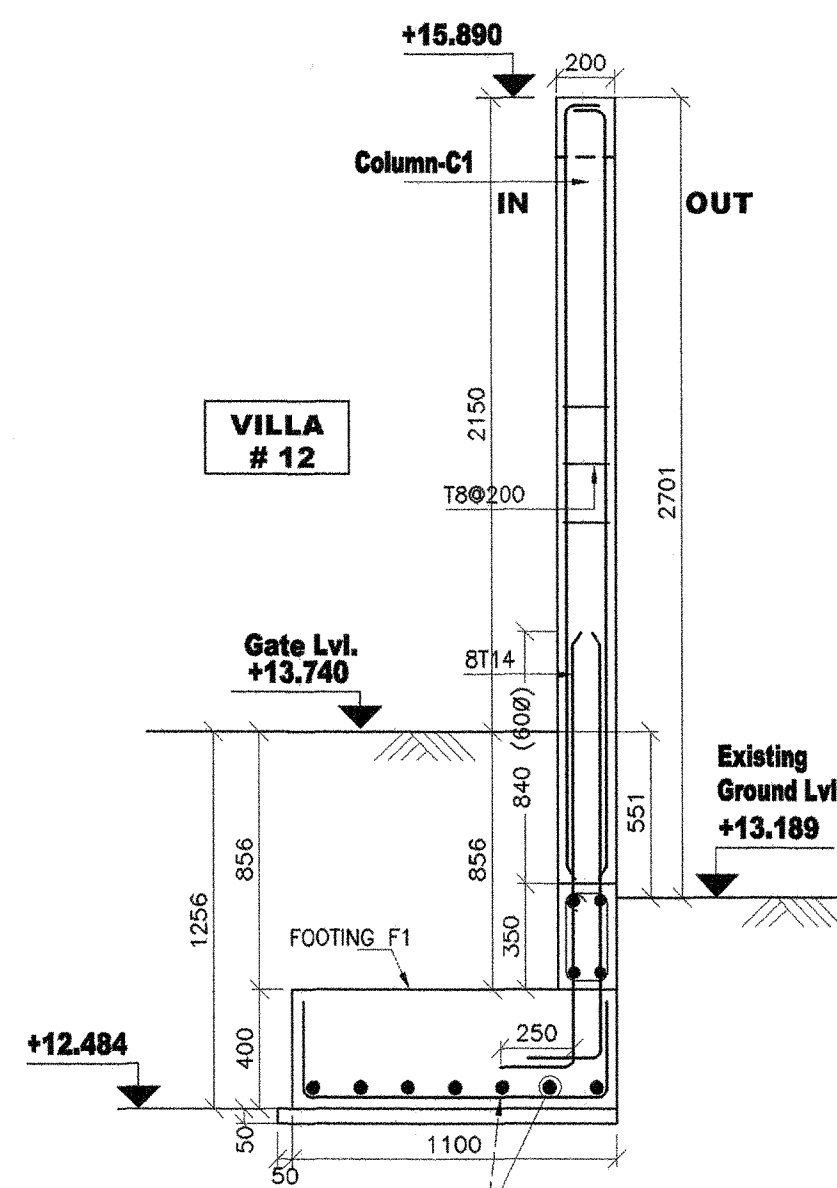


Section 35-35



Section 36-36

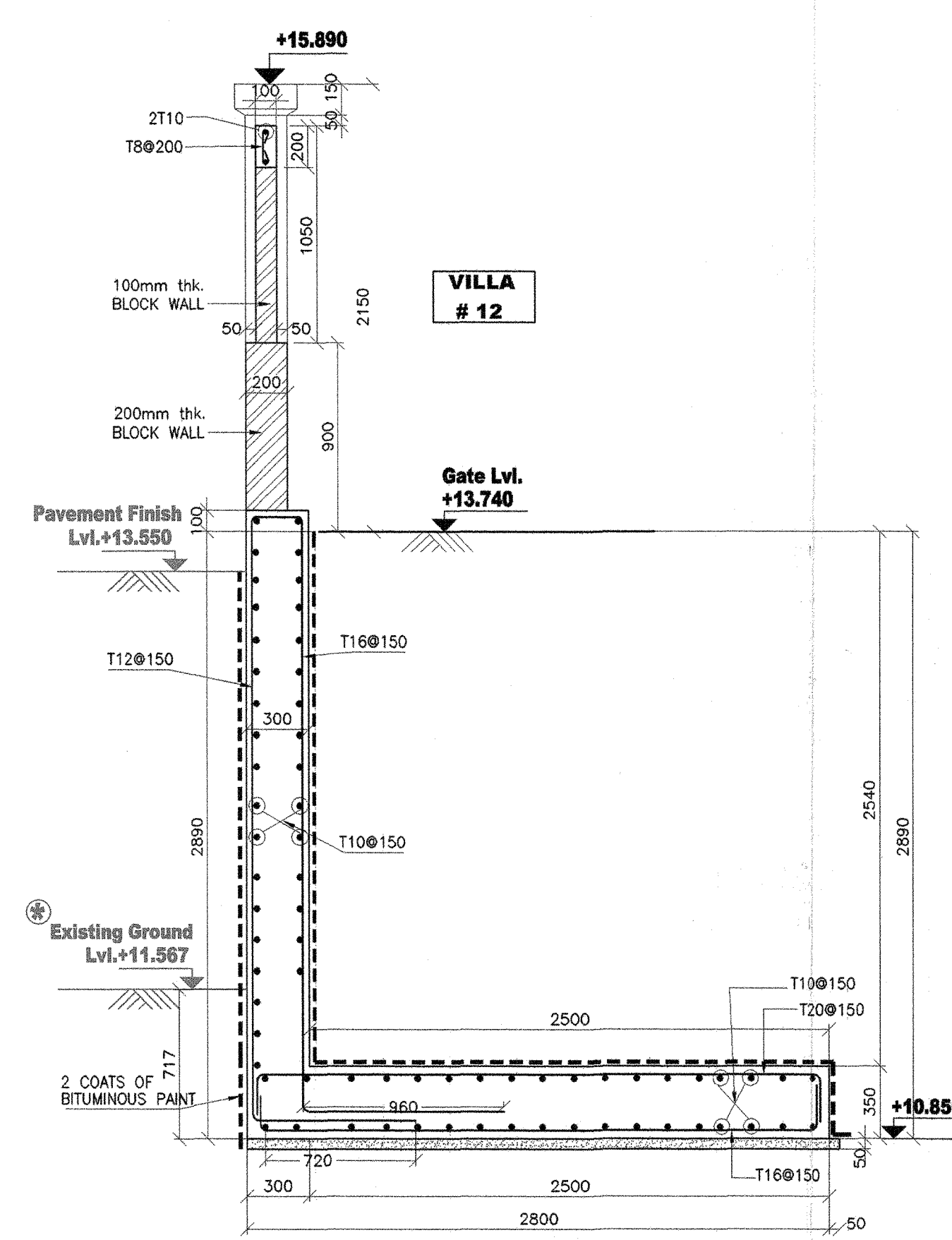
(© BACK SIDE BOUNDARY WALL)



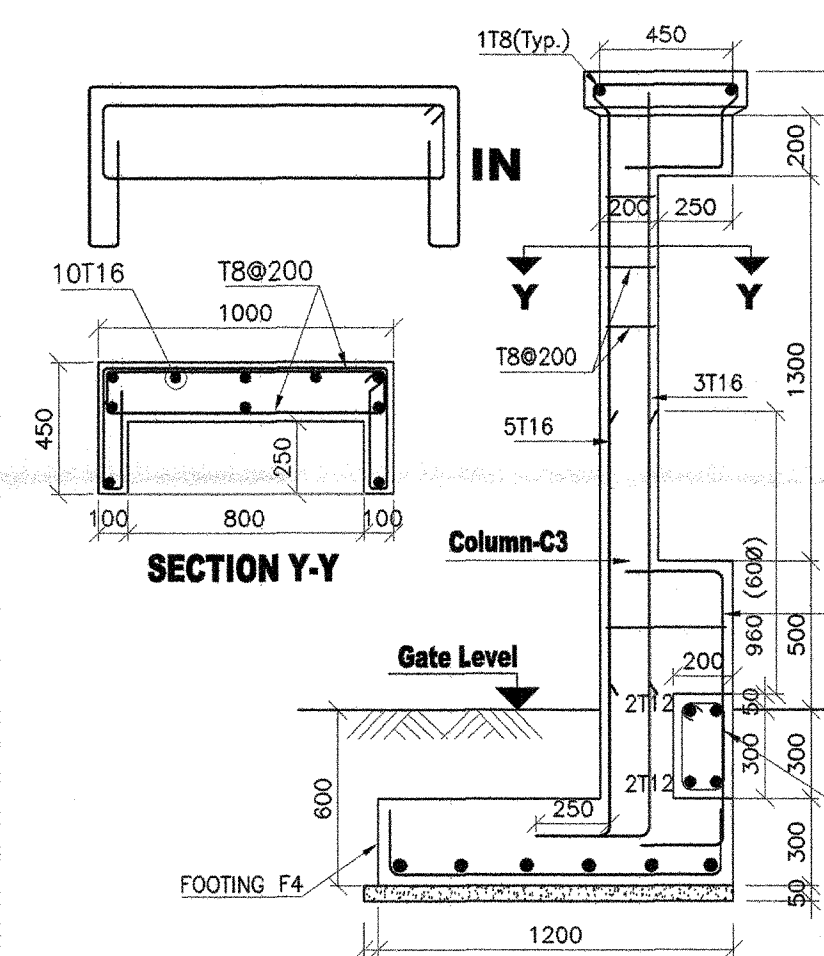
Section 37-37

Typical Section T-T

At Drainage MH # (DRIC-1)

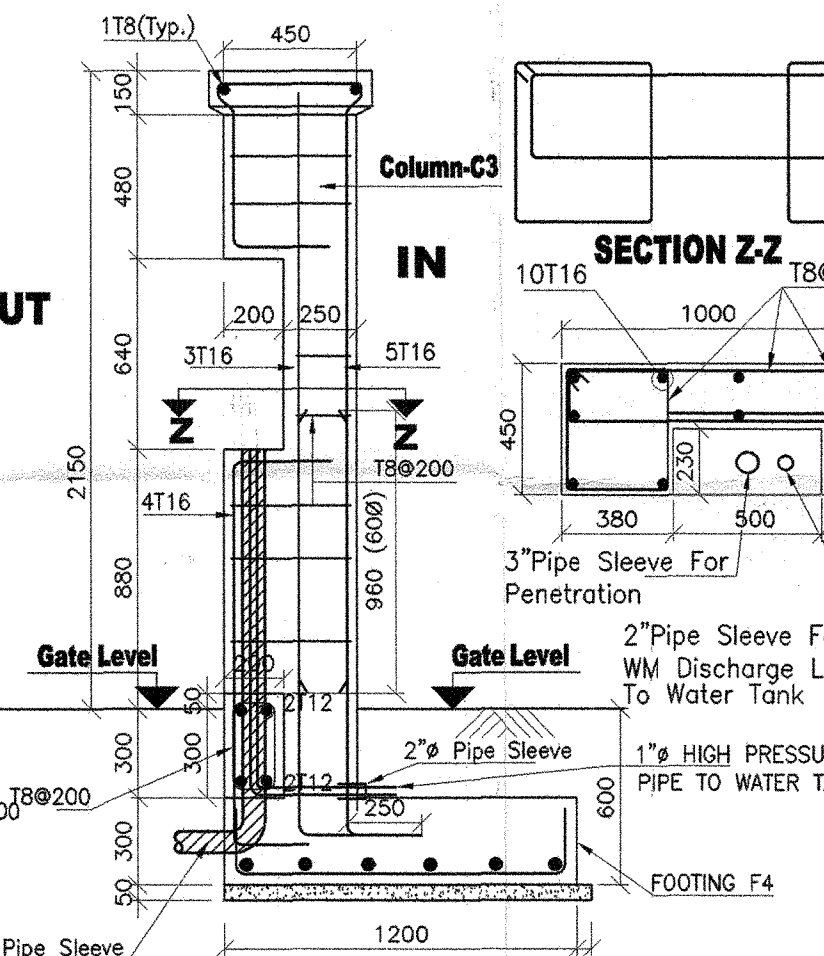


Section 37A-37A



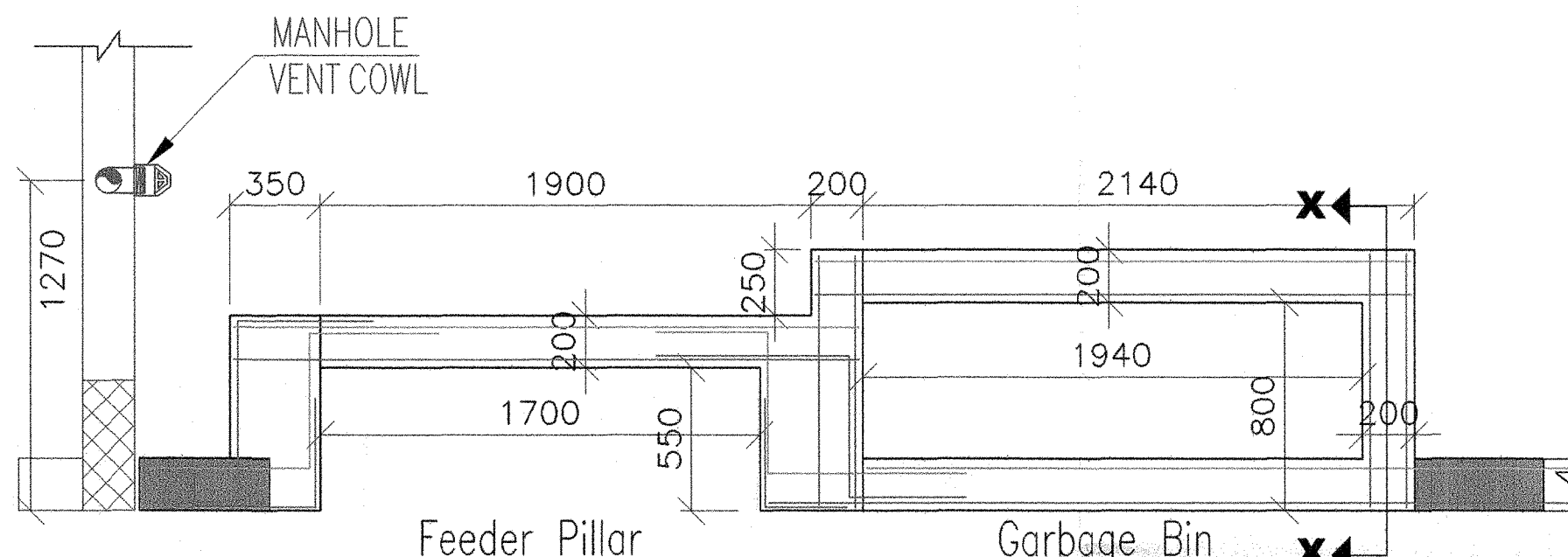
Section E-E

(© Electrical Metering Cabinet)

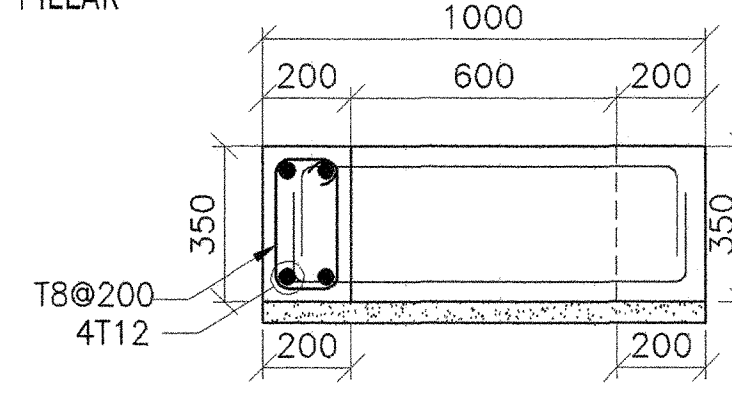


Section F-F

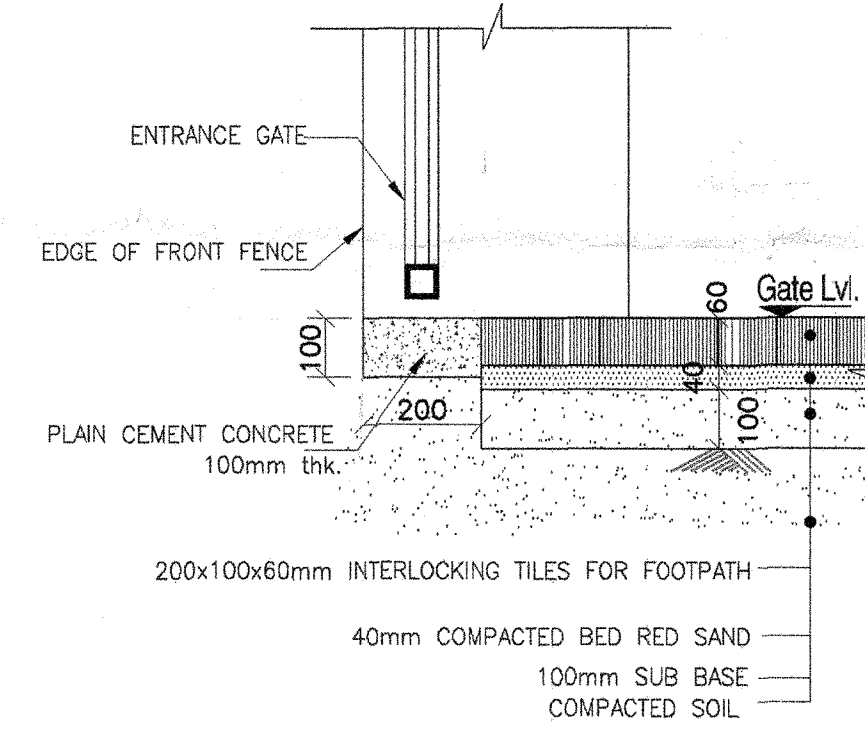
(© Water meter box)



REINF. PLACING DETAIL OF BEAM AT GARBAGE BIN & FEEDER PILLAR

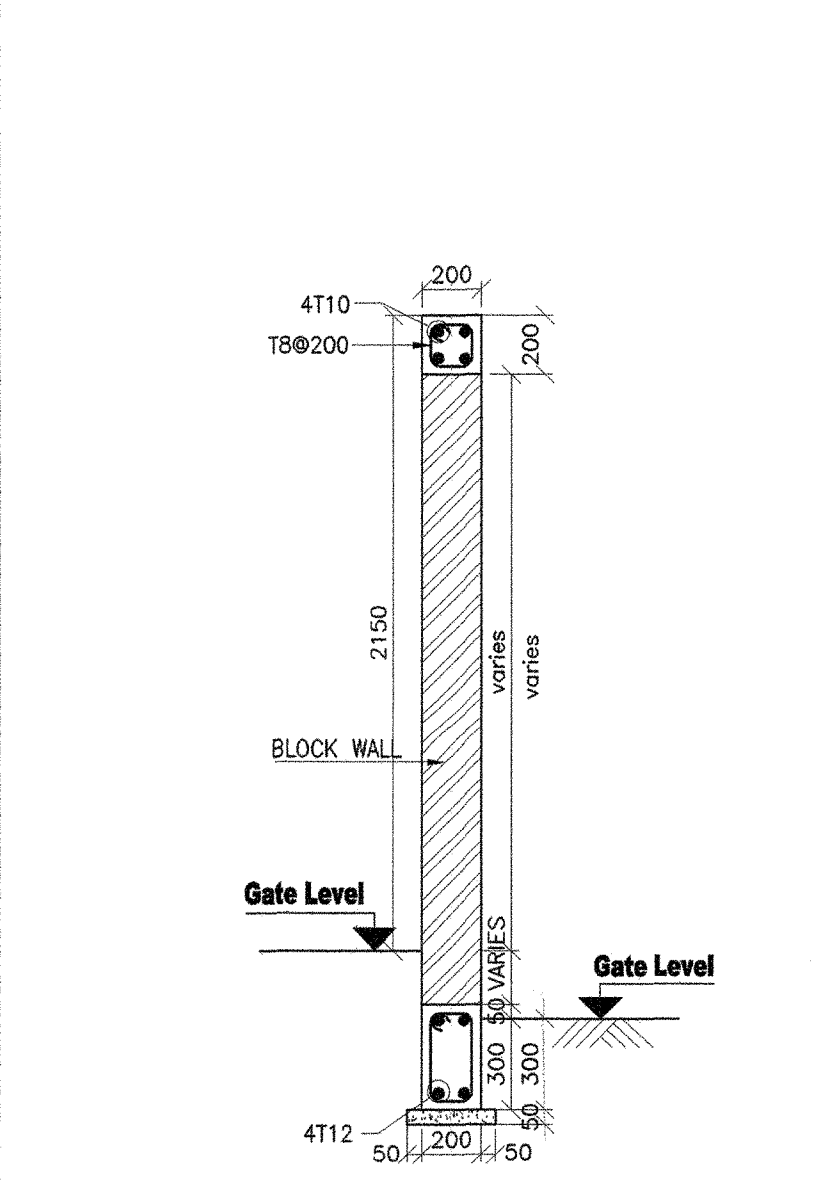


SECTION X-X



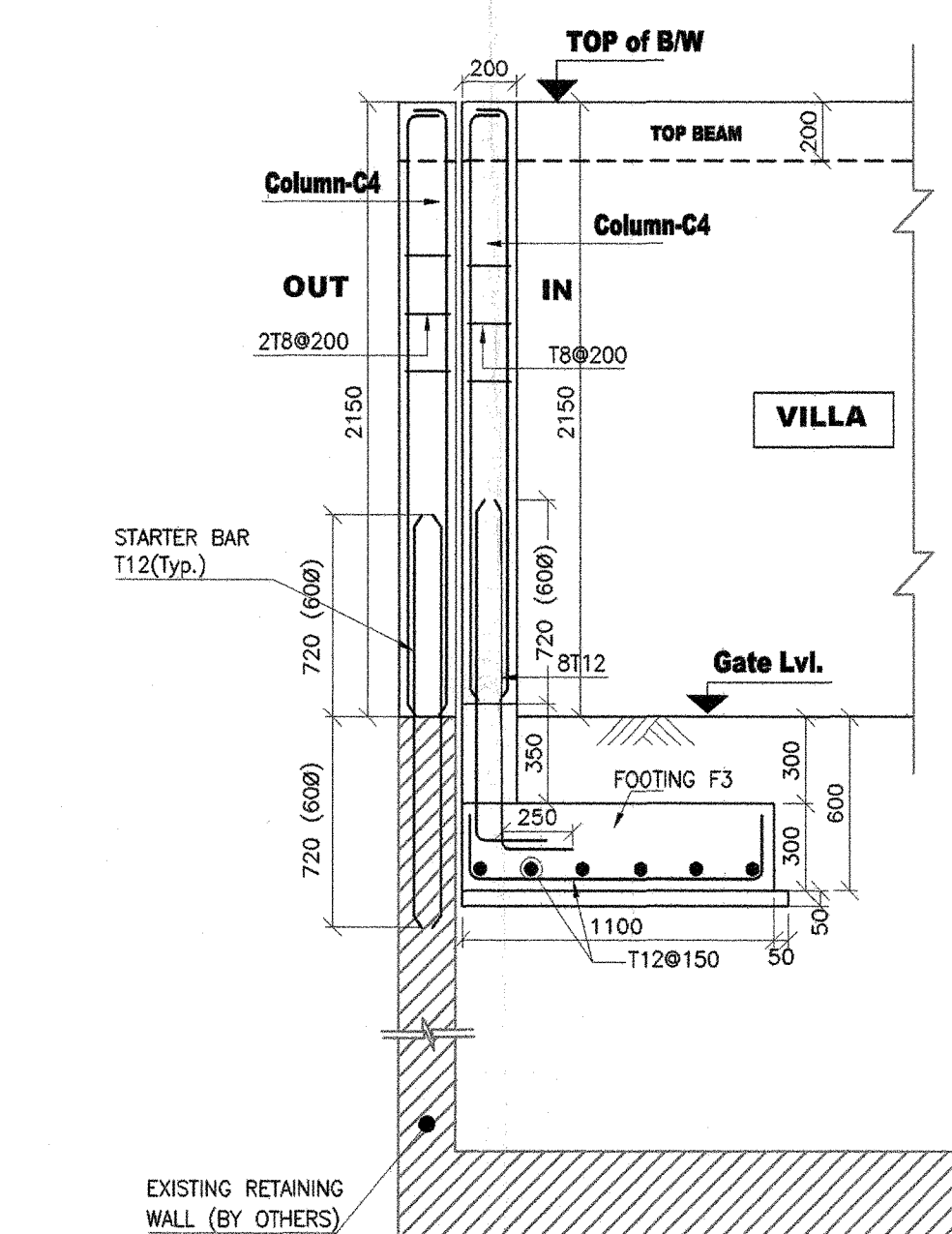
SECTION X-X

Typical

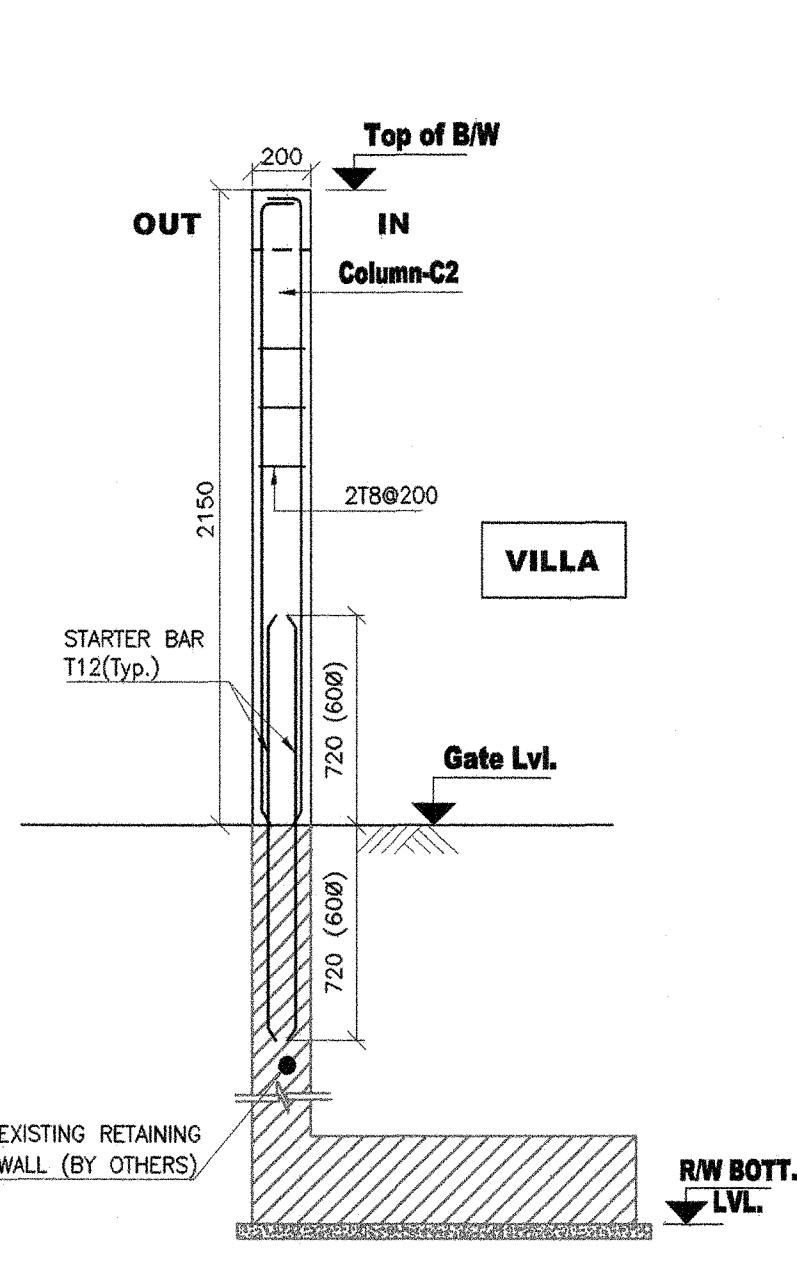


Typical Section K-K

(© BLOCK WALL)

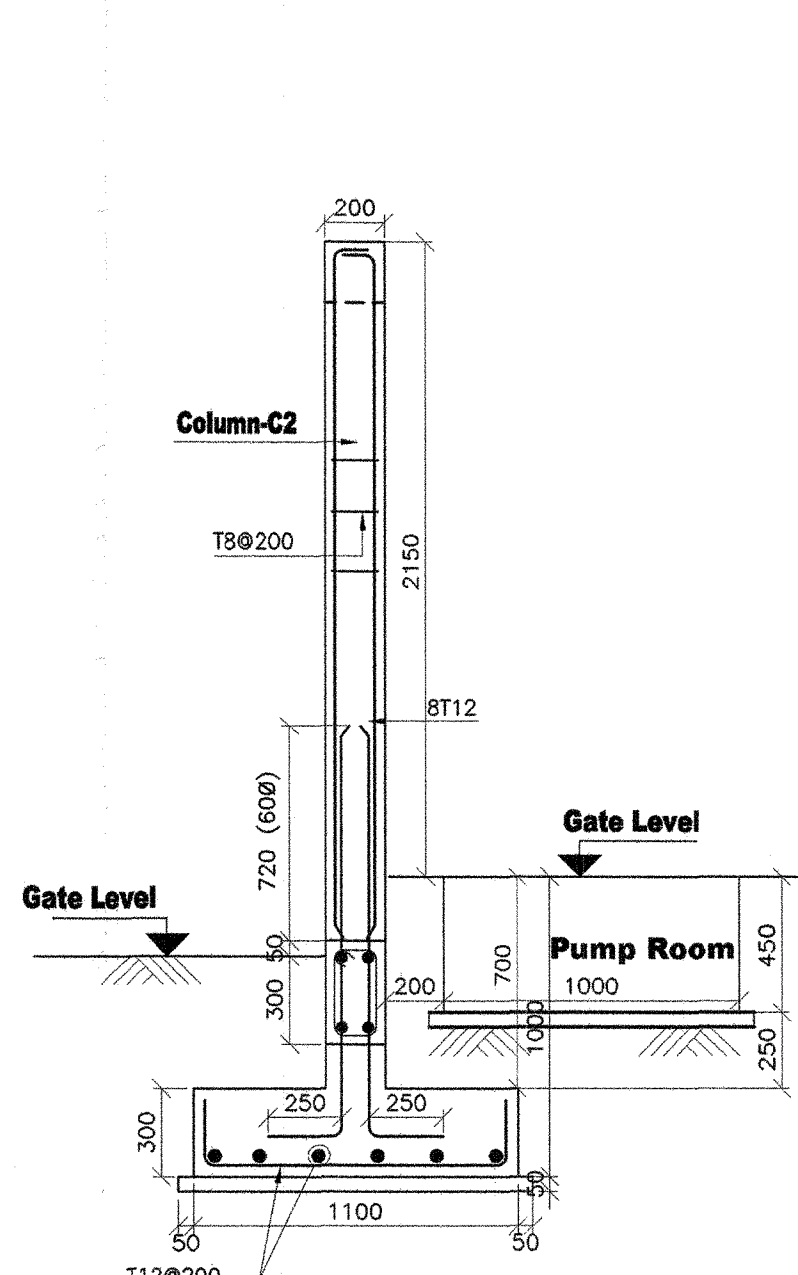


Typical Section C1-C1



Typical Section S-S

(© BACK SIDE BOUNDARY WALL)



Typical Section Y-Y

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 $f_y = 420 \text{ MPa}$ (DESIGNATED BY Φ).
- 3) ALL REINFORCED CONCRETE SHOULD HAVE A MINIMUM CRUSHING STRENGTH ON CYLINDER AT 28 DAYS: $f_c = 35 \text{ MPa}$.
- 4) ALL FLAT CONCRETE SHOULD HAVE A MINIMUM CRUSHING STRENGTH ON CYLINDER AT 28 DAYS: $f_c = 14 \text{ MPa}$.
- 5) ALL REINFORCED CONCRETE STRUCTURES ARE MADE WITH THE FOLLOWING:
 - a) FOOTING AND TIE-BEAM OPC+40% GGBS ACCORDING TO ASTM C150.
 - b) COLUMNS AND TOP BEAMS OPC ACCORDING TO ASTM C150.
- 6) ALL SPLICES OF REINFORCEMENT SHOULD BE MIN. 60 BAR DIAMETER SHALL BE ADOPTED.
- 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) $\oplus$ EXISTING LEVEL TO BE AS PER DESIGN LEVEL BY OTHERS.

dar al-handasah	
CODE 1	APPROVED
CODE 2	APPROVED AS NOTED
CODE 3	RESUBMIT FOR APPROVAL
CODE 4	REJECTED
BY:	DATE:



AS BUILT DRAWING

JUMEIRAH PARK

NAKHEEL

dar al-handasah

Pauling Middle East

PACKAGE - 2a

BOUNDARY WALL LAYOUT, SECTIONS, ELEV. & DETAILS CLUSTER-9

9 of 9

PME / JP / AB / STR / F&B / CLU-9