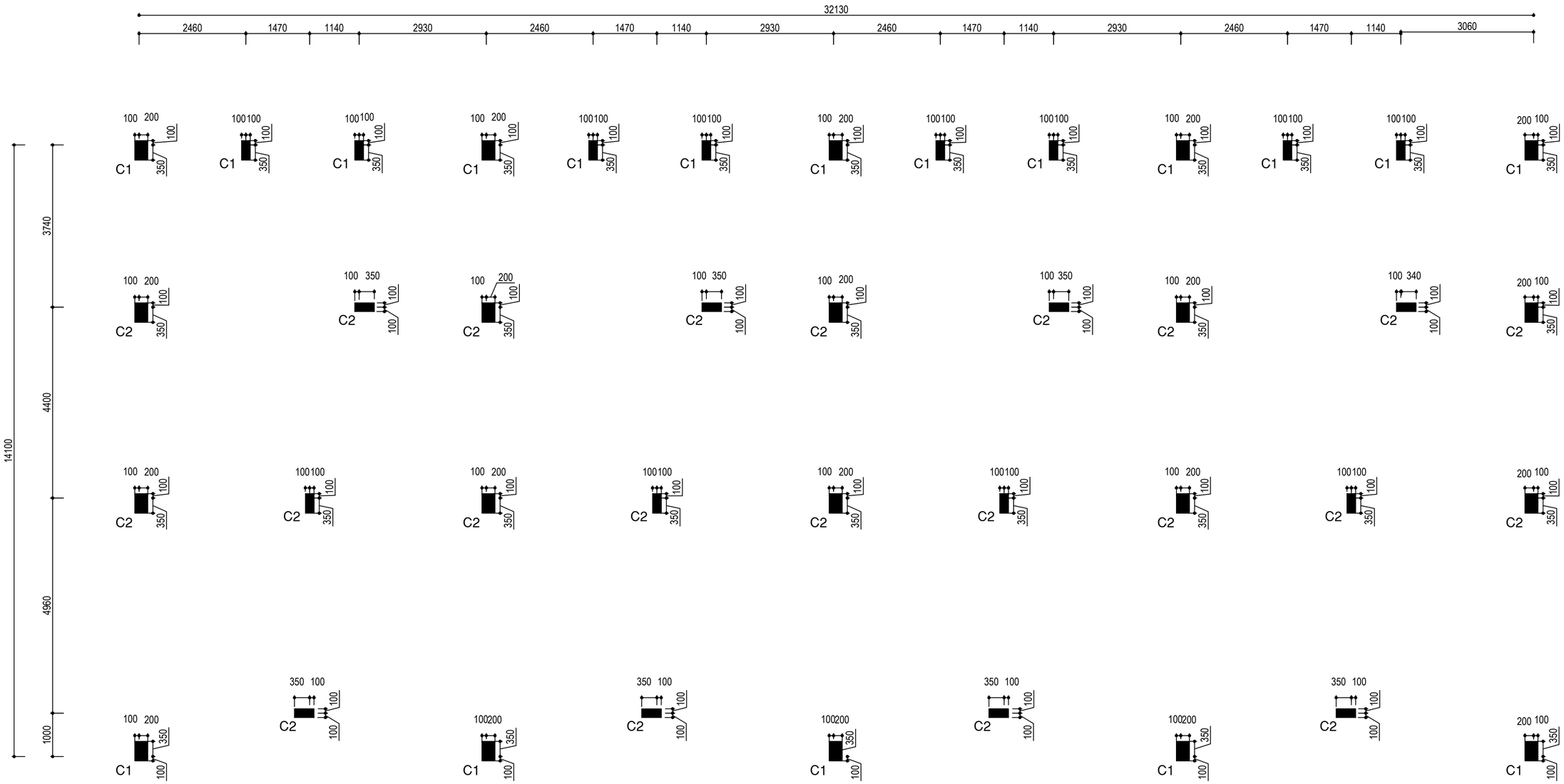

COLUMN LAYOUT
(SCALE 1:50)

For GT BHARATHI URBAN DEVELOPERS PVT LTD

AUTHORISED SIGNATORY

OWNER'S SIGNATURE

NOTES:

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Nithya T, B.Arch.,
Registered Architect
Council of Architecture
CA / 2018 / 91455 Valid Till : 31 / 12 / 2029
G-3, Block - 3, Shivani Apartments, 40, East Coast Road,
Thiruvanmiyur, Chennai - 600 041. Tamilnadu.
Phone : 98849 14921
E-mail : nithyat.leo@gmail.com

SIGNATURE OF ARCHITECT

Er.S.MOSES ARANGANATHAN
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DTCP Registered Structural Engineer-Grade-I (RSE)
DTCP Reg.No. TVLR/RSE/Gr-I/2024/07/006
Maduravoyal, Chennai - 600095
Email Id: mosessomu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

Rev.	Description
R0	ISSUE FOR APPROVAL

PROJECT TITLE:

PHASE-2 PODIUM

CLIENT:

GT REALTY | Bharathi Meraki

GT BHARATHI URBAN DEVELOPERS PVT. LTD.
OLD No: 31 & 32, New No: 81 & 83,
Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:

GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING
AT VEDANEMELI,ECR.
BLOCK 06-A6-05

DRAWING TITLE:

COLUMN LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
M.CHITRA	HARI	G.G	APPROVAL
SCALE: 1:50	DATE: 19-11-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/CL/01

REVISION: R0

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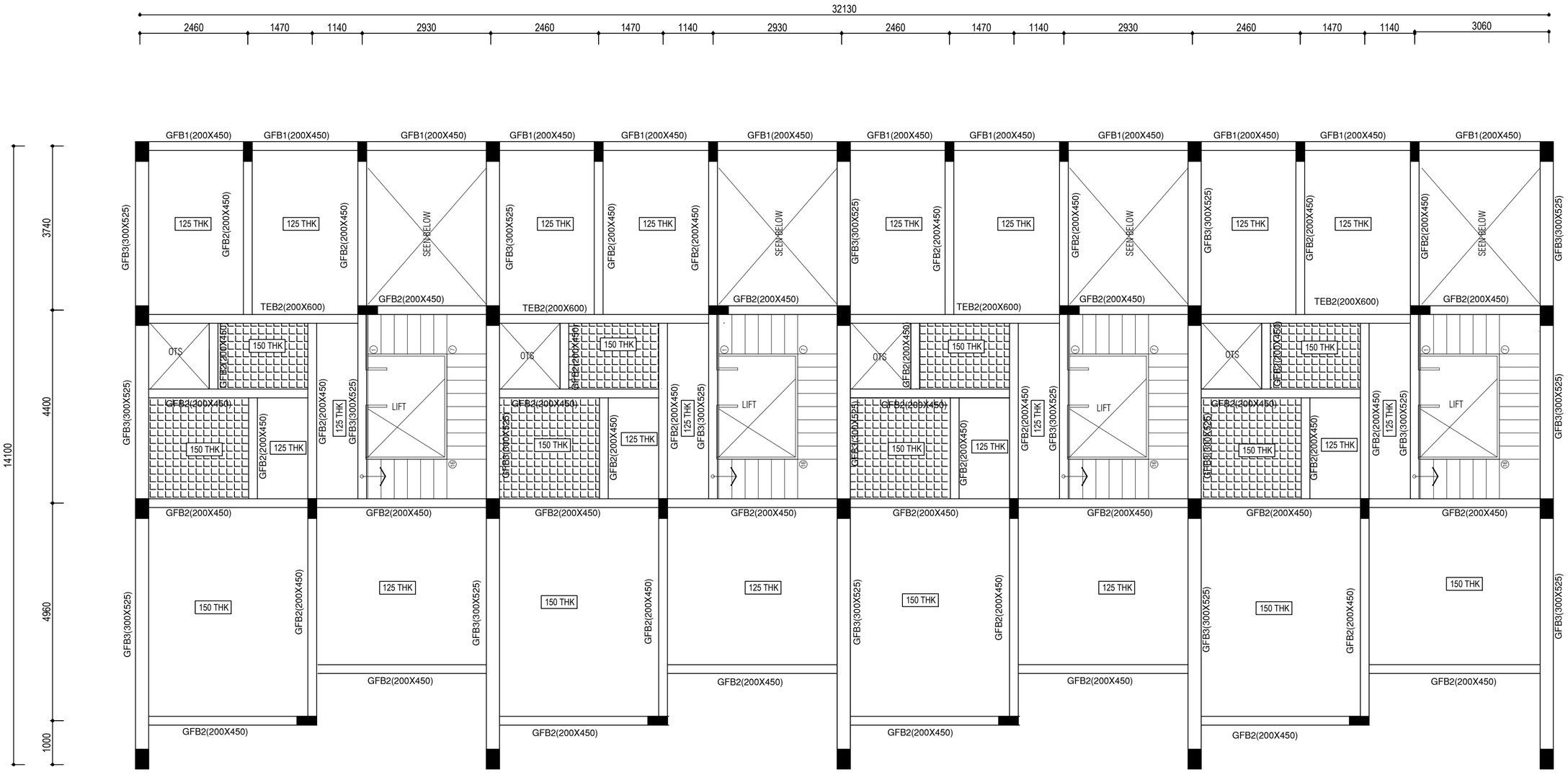

GROUND FLOOR ROOF BEAM LAYOUT

(SCALE 1:50)

For GT BHARATHI URBAN DEVELOPERS PVT LTD

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Email Id: mosescsomu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

Rev.	Description
R0	ISSUE FOR APPROVAL

PROJECT TITLE:

PHASE-2 PODIUM

CLIENT:

GT REALTY | Bharathi Meraki

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OLD No: 31 & 32, New No: 81 & 83,
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CONSULTANT:

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A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING
AT VEDANEMELI,ECR.
BLOCK 06-A6-05

DRAWING TITLE:

GROUND FLOOR ROOF BEAM LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
M.CHITRA	HARI	G.G	APPROVAL
SCALE: 1:50	DATE: 05-12-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/GFL/02

REVISION: R0

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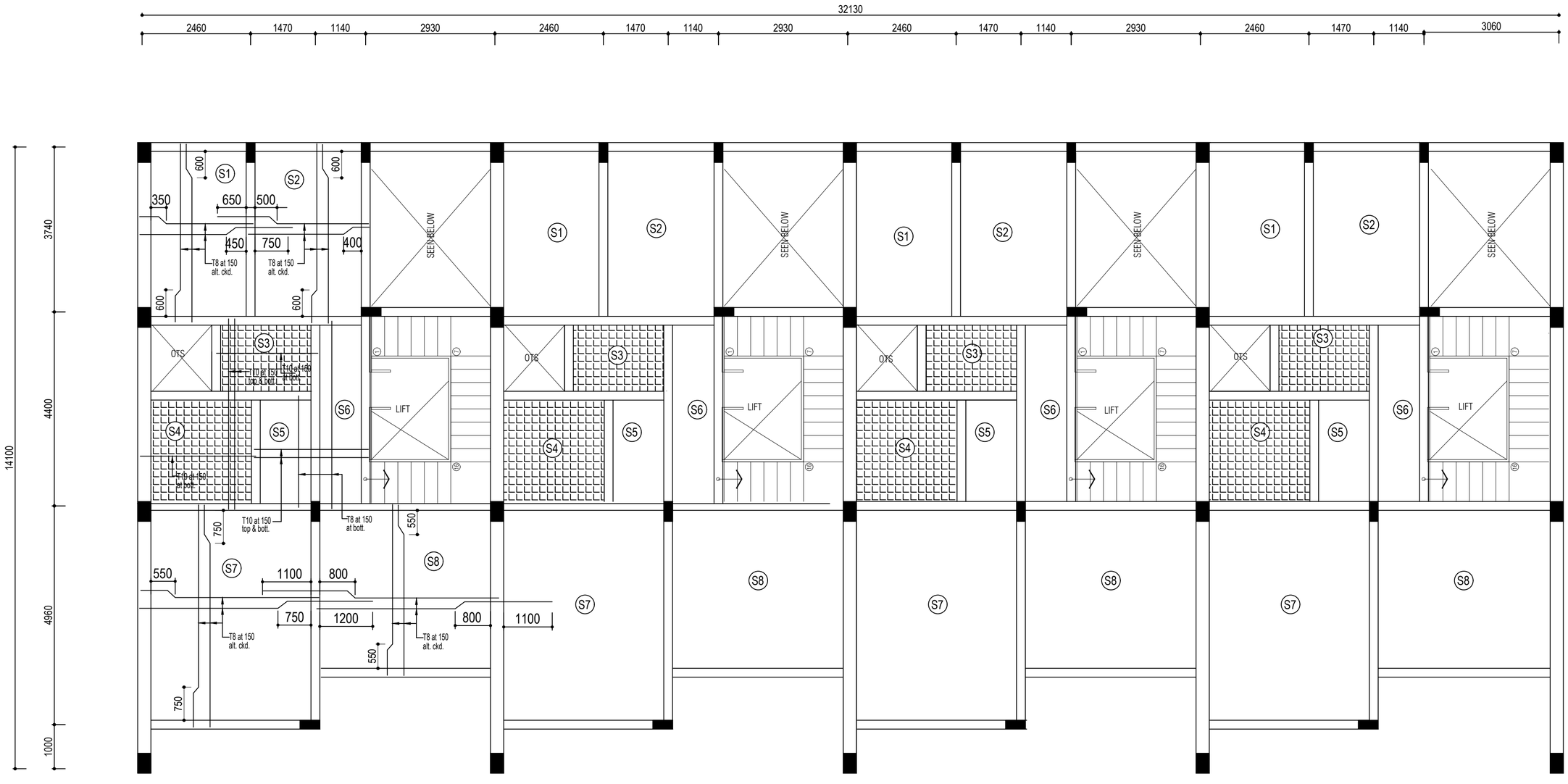

GROUND FLOOR ROOF SLAB DETAILS

(SCALE 1:50)

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email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING
AT VEDANEMELI,ECR.
BLOCK 06-A6-05

DRAWING TITLE:

GROUND FLOOR ROOF SLAB DETAILS

DRAWN:	DESIGNED:	APPROVED:	STAGE:
M.CHITRA	HARI	G.G	APPROVAL
SCALE: 1:50	DATE: 05-12-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/GSD/03

REVISION: R0

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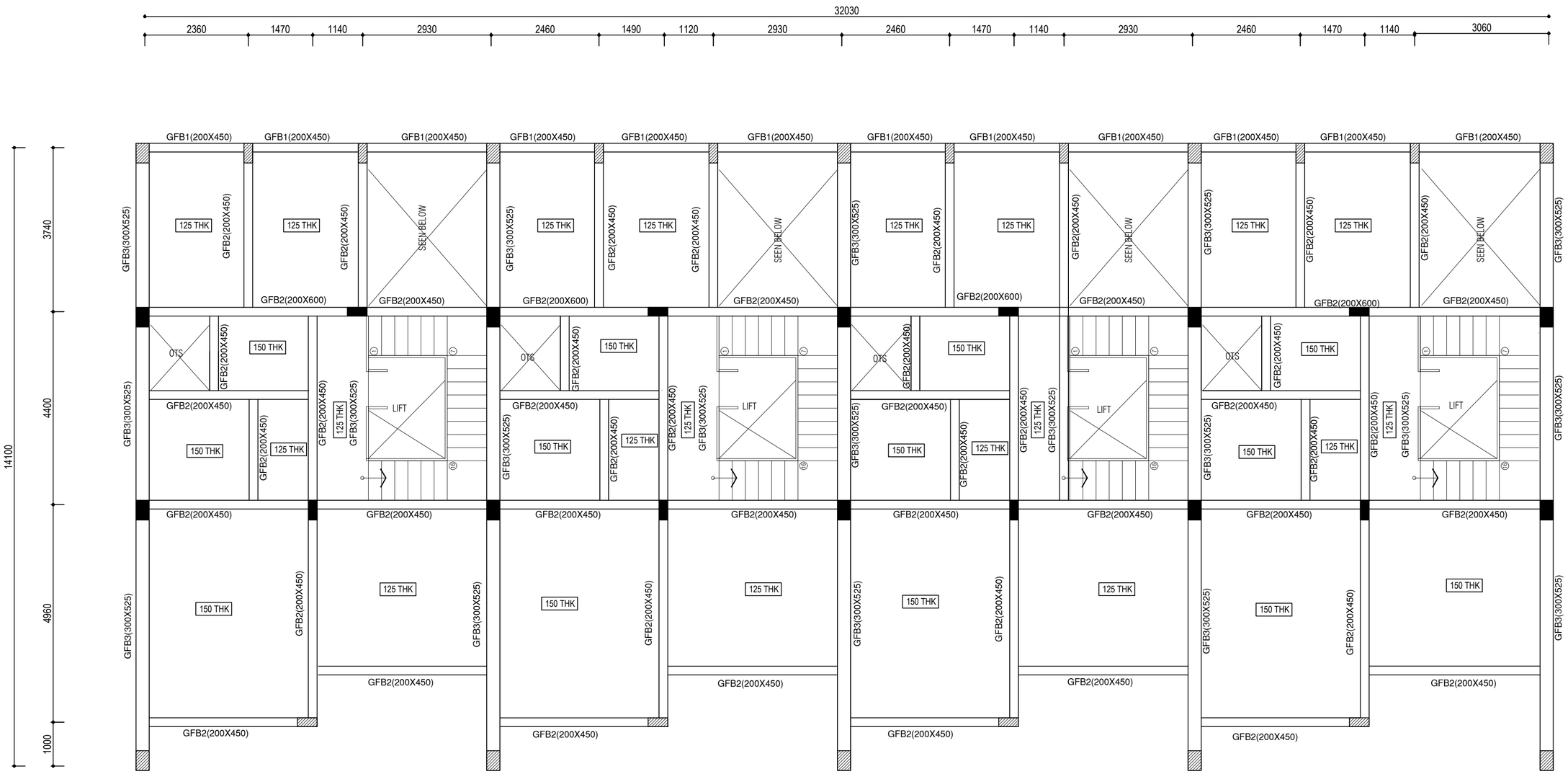

TERRACE FLOOR BEAM LAYOUT

(SCALE 1:50)

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Maduravoyal, Chennai - 600095
Email Id: mosescsmu@gmail.com

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PROJECT TITLE:

PHASE-2 PODIUM

CLIENT:

GT REALTY | Bharathi Meraki

GT BHARATHI URBAN DEVELOPERS PVT. LTD.
OLD No: 31 & 32, New No: 81 & 83,
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CONSULTANT:

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A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING
AT VEDANEMELI,ECR.
BLOCK 06-A6-05

DRAWING TITLE:

TERRACE FLOOR BEAM LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
M.CHITRA	HARI	G.G	APPROVAL
SCALE: 1:50	DATE: 05-12-2024	E-MAIL: gconchennai@gmail.com	

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REVISION: R0

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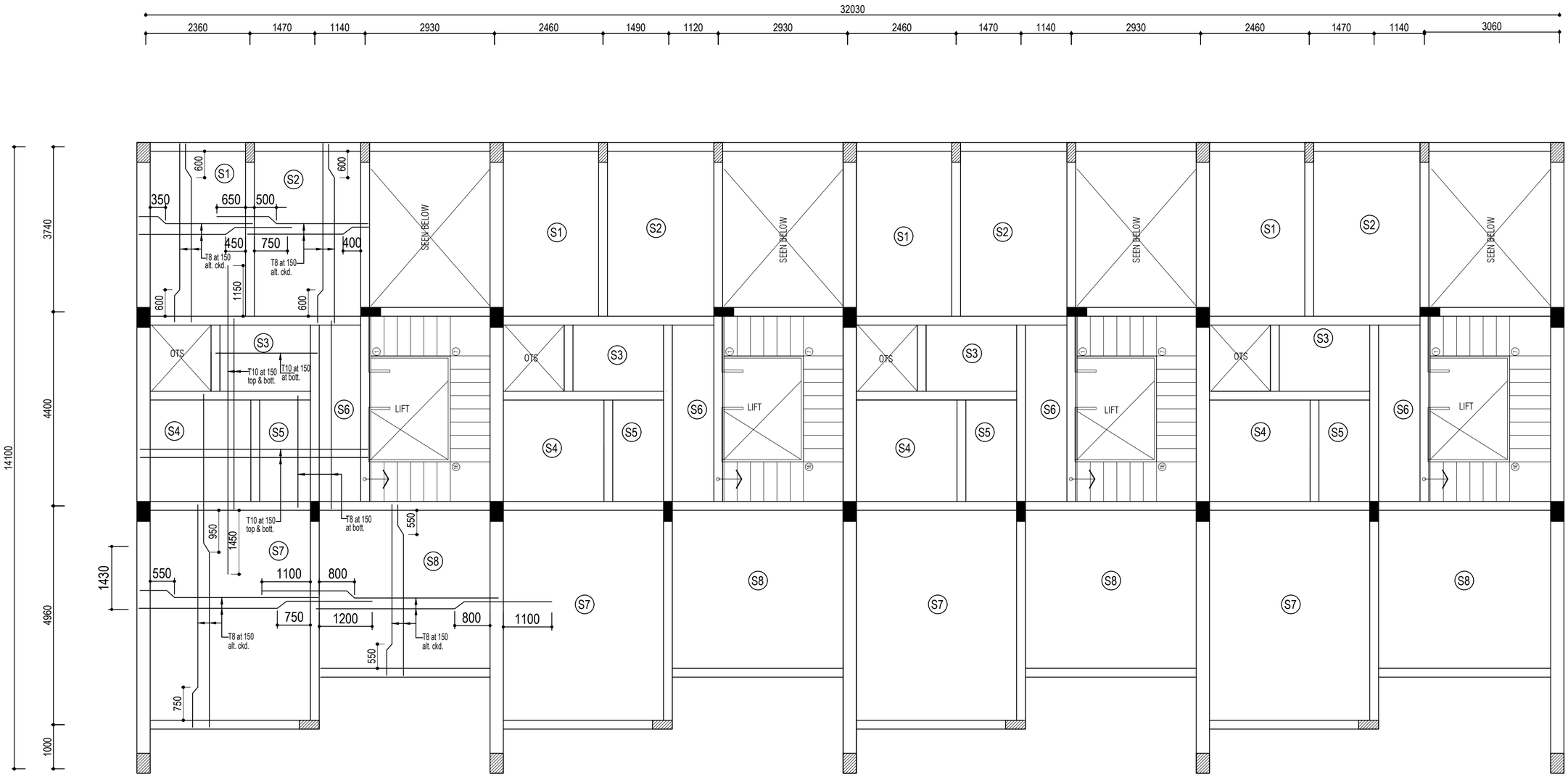

TERRACE FLOOR SLAB DETAILS

(SCALE 1:50)

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Maduravoyal, Chennai - 600095
Email Id: mosesasomu@gmail.com

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PROJECT TITLE:

PHASE-2 PODIUM

CLIENT:

GT REALTY | Bharathi Meraki

GT BHARATHI URBAN DEVELOPERS PVT. LTD.
OLD No: 31 & 32, New No: 81 & 83,
Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:

GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING
AT VEDANEMELI,ECR.
BLOCK 06-A6-05

DRAWING TITLE:

TERRACE FLOOR SLAB DETAILS

DRAWN:	DESIGNED:	APPROVED:	STAGE:
M.CHITRA	HARI	G.G	APPROVAL
SCALE: 1:50	DATE: 05-12-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/TESD/05

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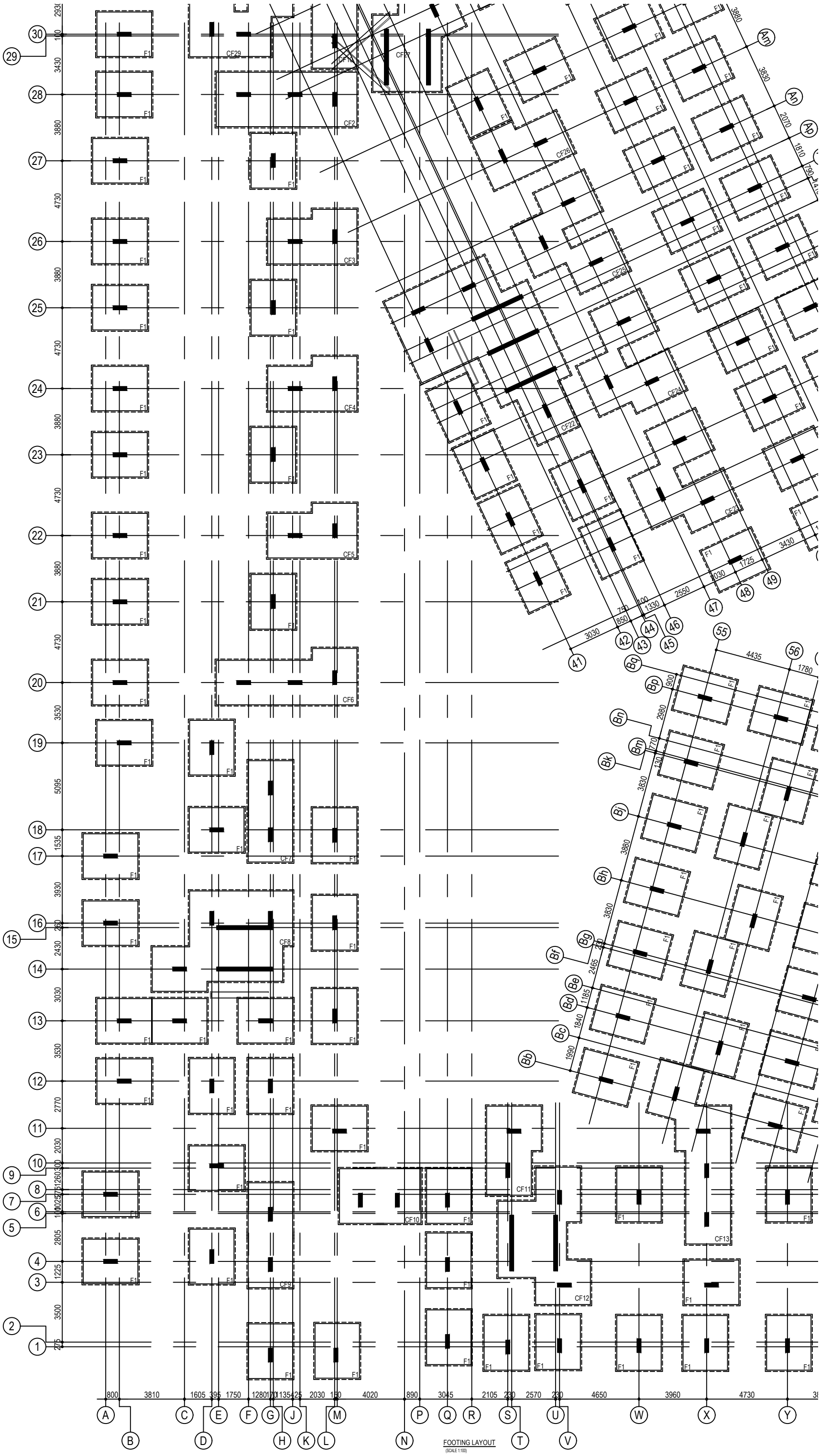

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PROJECT TITLE:

PHASE-3 TOWER BLOCK

CLIENT:

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email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

FOOTING LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKWLP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchenna@gmail.com	

DRAWING NO: GC/GT/24222/SD/FL/01

REVISION: R0

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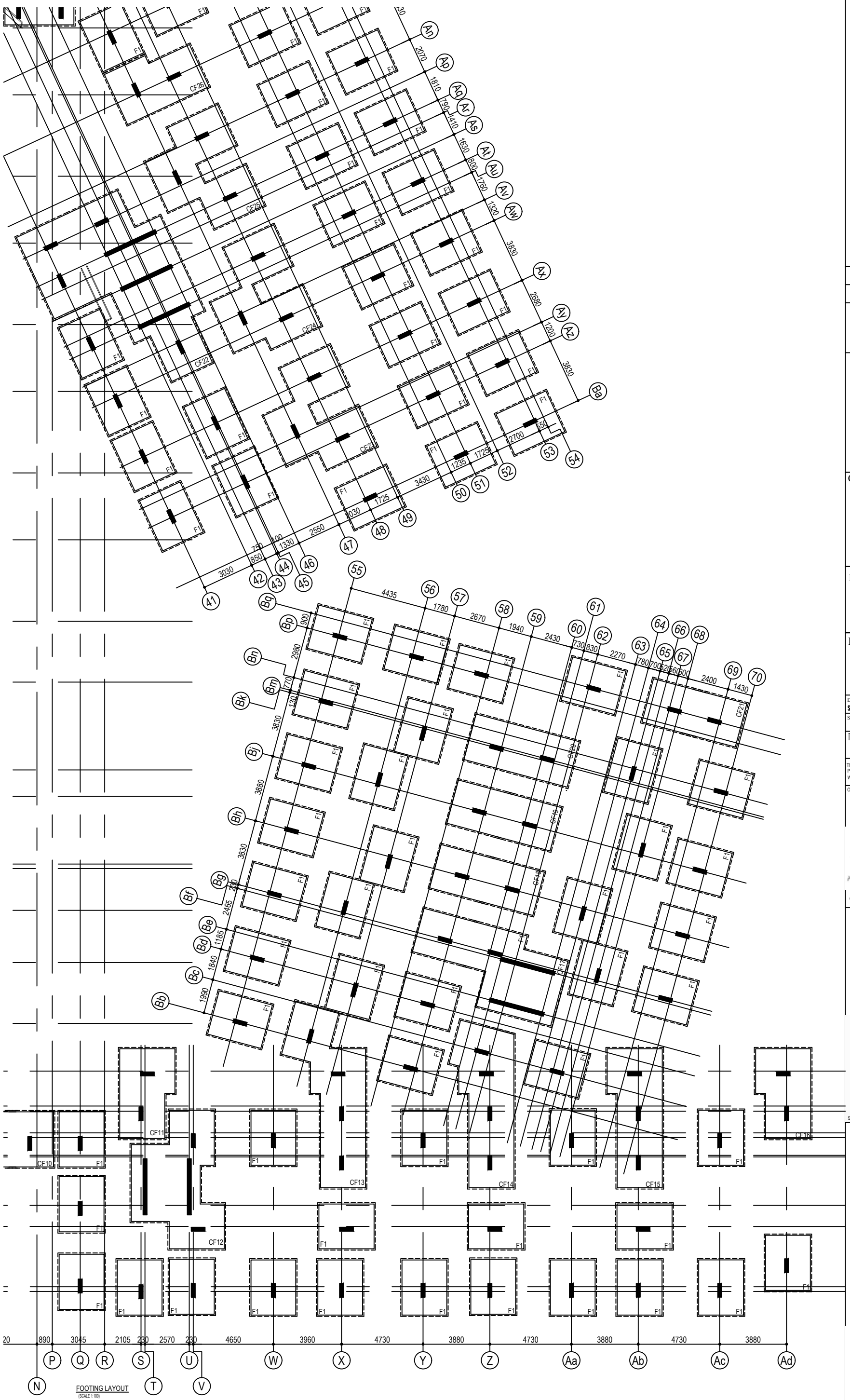

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	ISSUE FOR APPROVAL
	Description

PROJECT TITLE:

PHASE-3 TOWER BLOCK

CLIENT:

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email: gconchennai@gmail.com

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PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

FOOTING LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKNLP	G.G	G.G	APPROVAL
SCALE:	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/FL/02

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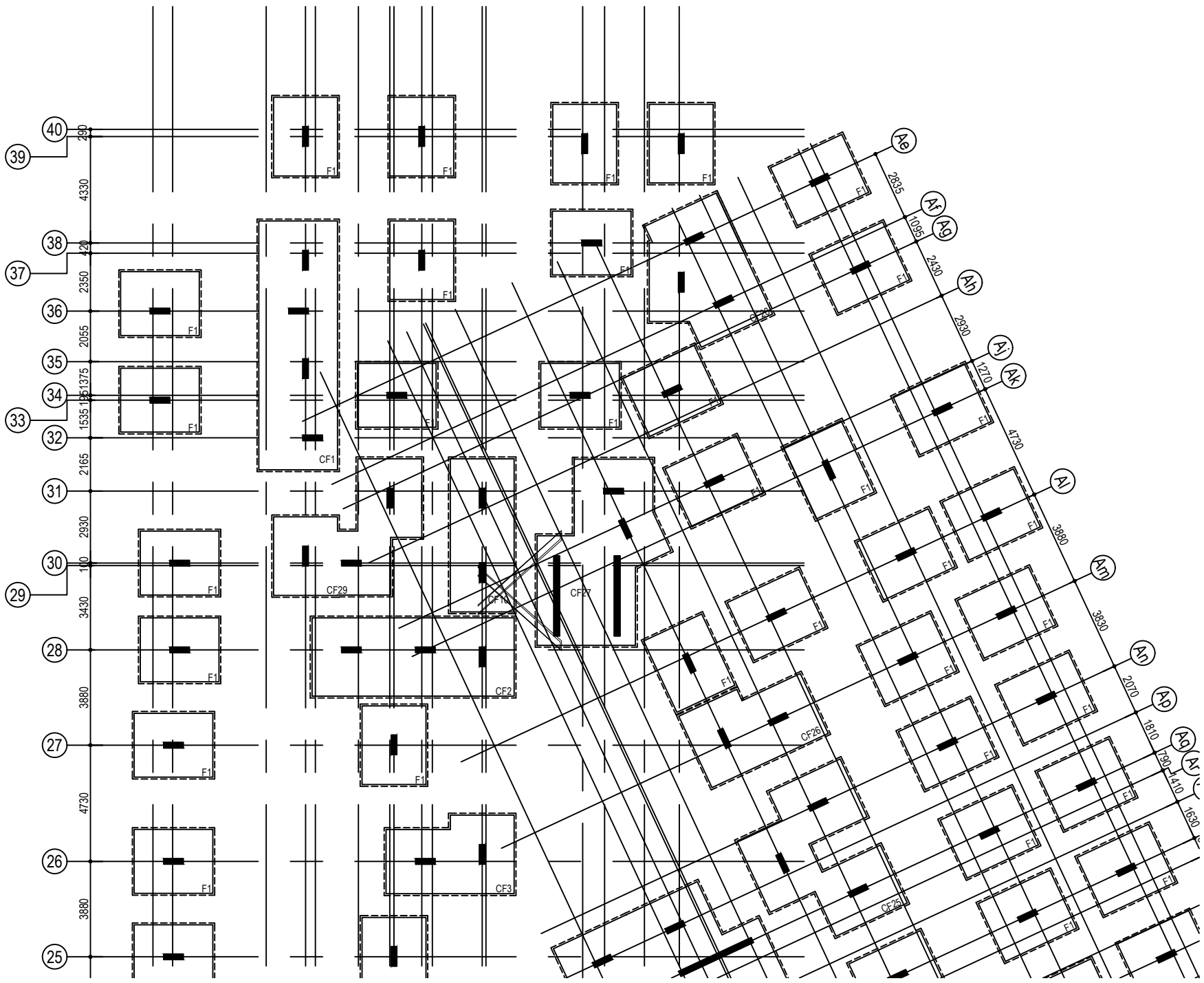

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5. ALL REINFORCEMENTS SHALL BE OF GRADE Fe550 CONFIRMING IS-1786
6. FOOTING DESIGNED FOR G+4 ONLY.
7. NO ADMIXTURES SHALL BE ADDED WITHOUT PERMISSION OF CONSULTANT
8. CLEAR COVER TO REINFORCEMENT FOR
   a) FOUNDATION: 50MM. c) COLUMN: 40MM.
   b) BEAM: 30MM. d) SLAB: 25MM.
9. SBC OF SOIL CONSIDERED AS 20T/SQM AS PER SOIL REPORT
10. LAPPING SHALL BE 50 TIMES DIA. OF THE BAR
11. STRUCTURAL DETAILED DRAWINGS ARE ISSUED FOR G+4 ONLY.
12. DE-SHUTTERING PERIOD AS PER IS 456
13. ALL SORTS OF PRECAUTIONARY MEASURES WILL BE TAKEN AT THE TIME OF CONSTRUCTION.
14. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

Rev.	Description
R0	ISSUE FOR APPROVAL

PROJECT TITLE:

PHASE-3 TOWER BLOCK

CLIENT:

GT REALTY | Bharathi Meraki

GT BHARATHI URBAN DEVELOPERS PVT. LTD.
OLD No: 31 & 32, New No: 81 & 83,
Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:

GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

FOOTING LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKNLP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/FL/03

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ORIGINAL SIZE OF THIS DRAWING IS A1

For GT BHARATHI URBAN DEVELOPERS PVT LTD

AUTHORISED SIGNATORY

OWNER'S SIGNATURE

Er.S.MOSES ARANGANATHAN
B.E., M.E(Struct.) FIE, FIA(Struct.)., FIV.,
DTCP Registered Structural Engineer-Grade-I (RSE)
DTCP Reg.No. TVLR/RSE/Gr-I/2024/07/006
Maduravoyal, Chennai - 600095
Email Id: mosescsomu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

Nithya T, B.Arch.,
Registered Architect
Council of Architecture
CA / 2018 / 91485 Valid Till : 31 / 12 / 2029
G-3, Block - 3, Shivani Apartments, 40, East Coast Road,
Thiruvanmiyur, Chennai - 600 041, Tamilnadu.
Phone : 98849 14921
E-mail : nithyat.leo@gmail.com

SIGNATURE OF ARCHITECT

FOOTING SCHEDULE (M25:Fe550)

FOOTING NUMBERS	FOOTING TYPE	FOOTING DIMENSION			FOOTING REINFORCEMENT			
					BOTTOM		TOP	
		L	B	D	ALONG B	ALONG L	ALONG B	ALONG L
F1	Pad	3200	2600	775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF1	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF2	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF3	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF4	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF5	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF6	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF7	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF8	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF9	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF10	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF11	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF12	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
CF13	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
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CF16	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C
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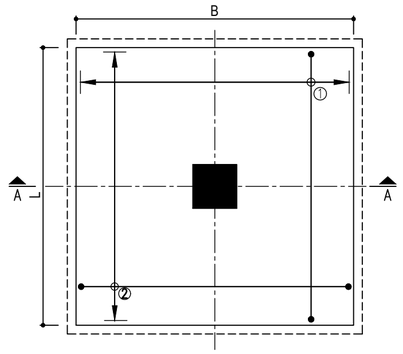
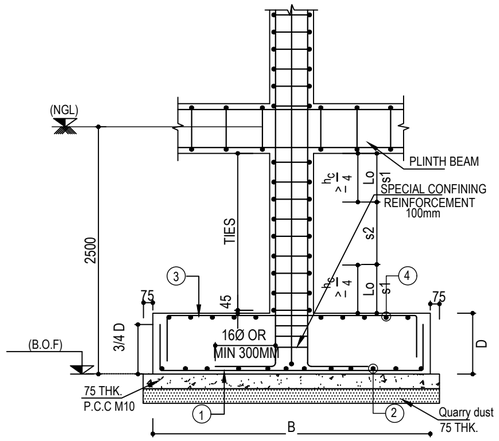
CF29	Pad	SEE DRAWING		775	T12@125 C/C	T12@125 C/C	T10@175 C/C	T10@175 C/C



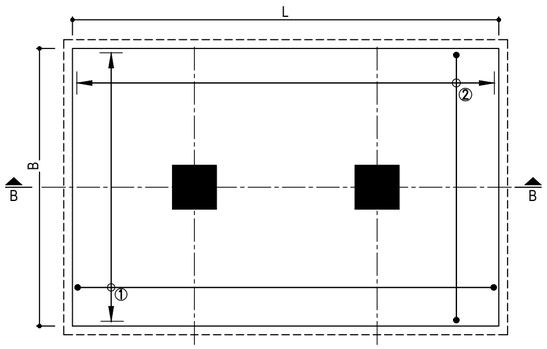
TYP. DETAIL OF ISOLATED FOOTING

scale (1:50)



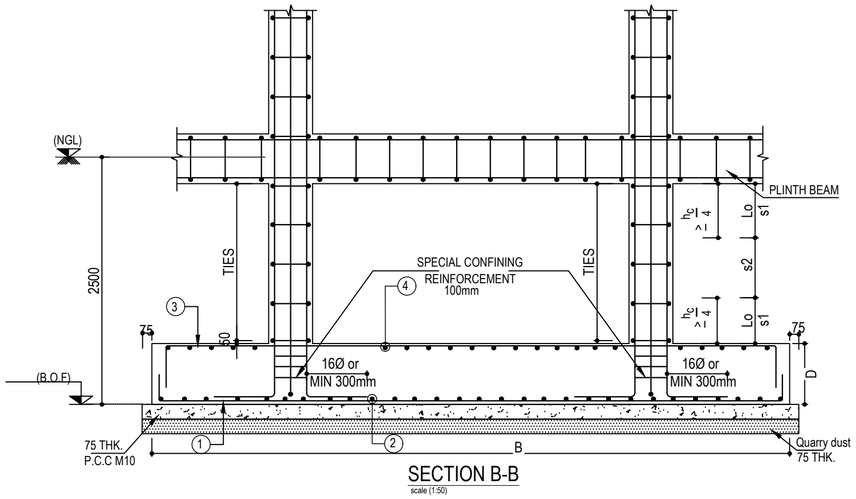
OPTION -1

scale (1:50)



TYP. DETAIL OF COMBINED FOOTING

scale (1:50)



SECTION B-B

scale (1:50)

NOTES:

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For GT BHARATHI URBAN DEVELOPERS PVT LTD

AUTHORISED SIGNATORY

OWNER'S SIGNATURE

Er.S.MOSES ARANGANATHAN
B.E., M.E(Struct.) FIE, FIA(Struct.)., FIV.,
DTCP Registered Structural Engineer-Grade-I (RSE)
DTCP Reg.No. TVLR/RSE/Gr-I/2024/07/006
Maduravoyal, Chennai - 600095
Email Id: mosescsomu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

Rev.	Description
R0	ISSUE FOR APPROVAL

PROJECT TITLE:

PHASE-3 TOWER BLOCK

CLIENT:

GT REALTY | Bharathi Meraki

GT BHARATHI URBAN DEVELOPERS PVT. LTD.
OLD No: 31 & 32, New No: 81 & 83,
Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:

GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

FOOTING TYPICAL DETAILS.,

Nithya T, B.Arch.,
Registered Architect
Council of Architecture
CA / 2018 / 91485 Valid Till : 31 / 12 / 2029
G-3, Block - 3, Shivani Apartments, 40, East Coast Road,
Thiruvanmiyur, Chennai - 600 041, Tamilnadu.
Phone : 98849 14921
E-mail : nithyat.leo@gmail.com

SIGNATURE OF ARCHITECT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
GATHURUKKANP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/FTYD/04

REVISION: R0

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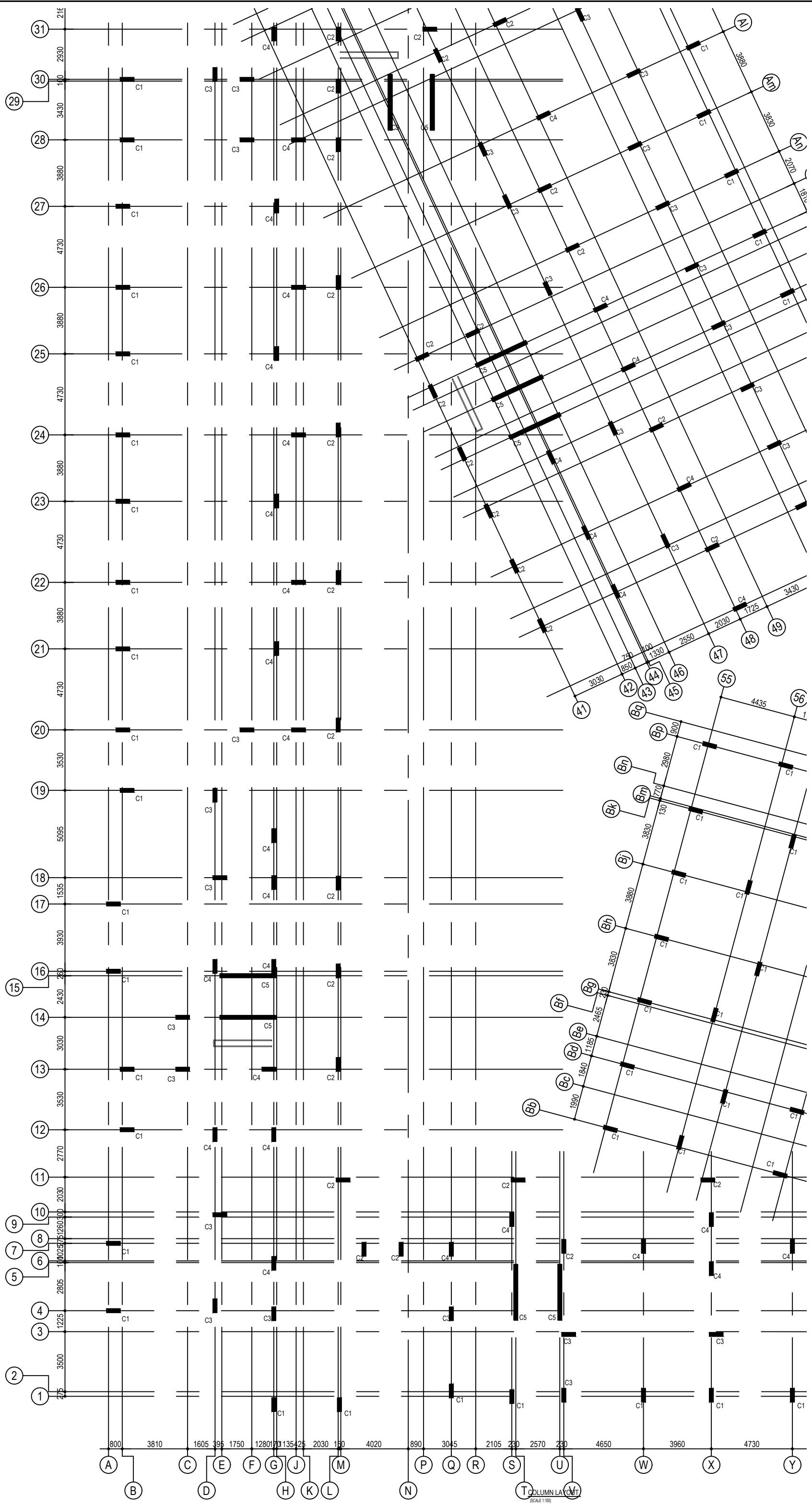

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For GT BHARATHI URBAN DEVELOPERS PVT LTD

AUTHORISED SIGNATORY

OWNER'S SIGNATURE

Nithya T, B.Arch.,
Registered Architect
Council of Architecture
CA / 2018 / 91485 Valid Till : 31 / 12 / 2029
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Er.S.MOSES ARANGANATHAN
B.E., M.E(Struct.) FIE, FIA(Struct.)., FIV.,
DTCP Registered Structural Engineer-Grade-I (RSE)
DTCP Reg.No. TVLR/RSE/Gr-I/2024/07/006
Maduravoyal, Chennai - 600095
Email Id: mosesarsomu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

Rev.	Description
R0	ISSUE FOR APPROVAL

PROJECT TITLE:

PHASE-3 TOWER BLOCK

CLIENT:

GT REALTY | Bharathi Meraki

GT BHARATHI URBAN DEVELOPERS PVT. LTD.
OLD No: 31 & 32, New No: 81 & 83,
Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:

GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

COLUMN LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKANLP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

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REVISION: R0

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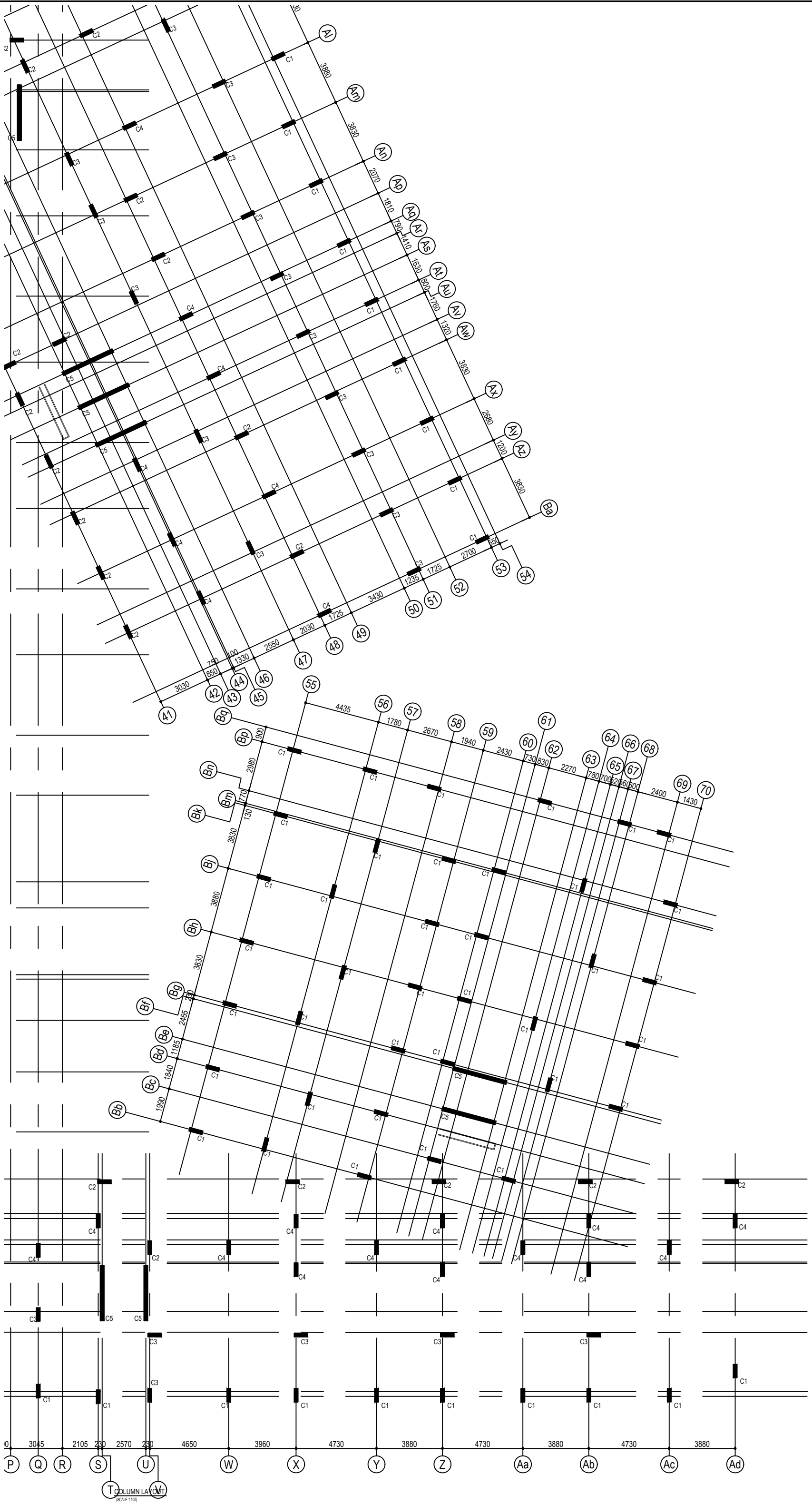

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PROJECT TITLE:

PHASE-3 TOWER BLOCK

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GT REALTY | Bharathi Meraki

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OLD No: 31 & 32, New No: 81 & 83,
Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:

GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

COLUMN LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKALP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/CL/06

REVISION: R0

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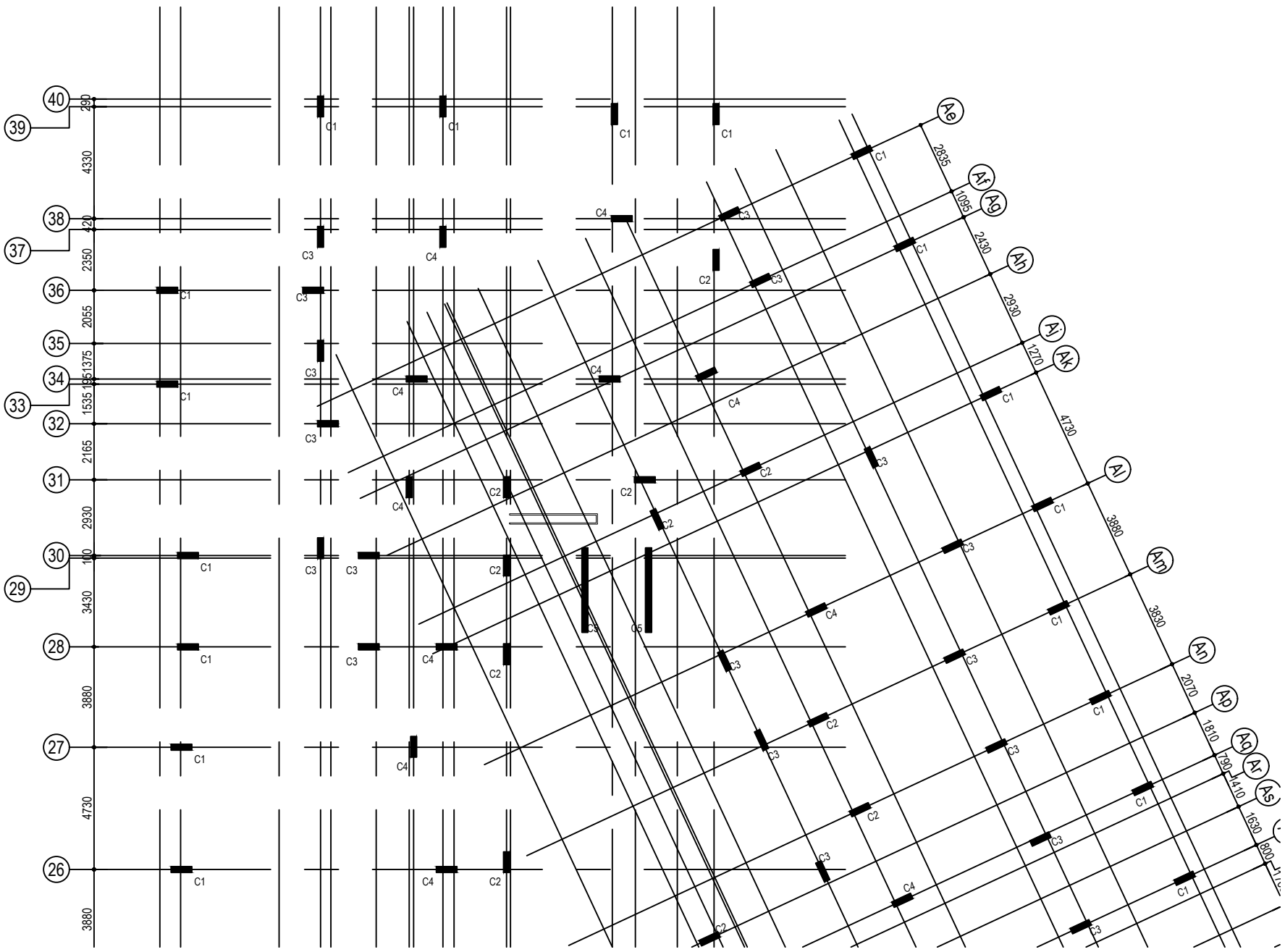

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Maduravoyal, Chennai - 600095
Email Id: moses.somu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

Rev.	Description
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PROJECT TITLE:

PHASE-3 TOWER BLOCK

CLIENT:

GT REALTY | Bharathi Meraki

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email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

COLUMN LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKAN.P	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/CL/07

REVISION: R0

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BASE TO TERRACE FLOOR ROOF	M30 : Fe550 , COVER = 40MM	M30 : Fe550 , COVER = 40MM	M30 : Fe550 , COVER = 40MM	M30 : Fe550 , COVER = 40MM	M30 : Fe550 , COVER = 40MM
	LINKS	LINKS	LINKS	LINKS	LINKS
	T8 @ 100/175/100	T8 @ 100/175/100	T8 @ 100/175/100	T8 @ 100/175/100	T8 @ 100/175/100
	230, 800, ⊗T25	230, 800, ⦶T20	230, 800, ⊗T25	230, 800, ⊗T25	230, 800, ⊗T25
	14-T25	16-T20	16-T25	12-T25	20-T25
COLUMN MARKED	C1	C2	C3	C4	C6

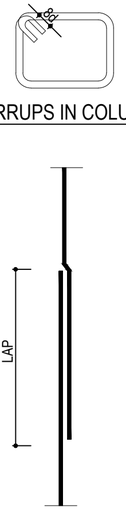
SHEAR LINK:s1/s2/s1

BASE TO TERRACE FLOOR ROOF	M30 : Fe550 , COVER = 40MM	M30 : Fe550 , COVER = 40MM
	LINKS	LINKS
	T8 @ 100/175/100	T8 @ 100/175/100
	230, 750, 1760, 750	230, 500, 1410, 500
	12-T20 + 24-T20+12T20	12-T20 + 12-T20+12T20
COLUMN MARKED	C7	C8

SHEAR LINK:s1/s2/s1

BASE TO TERRACE FLOOR ROOF	M30 : Fe550 , COVER = 40MM
	LINKS
	T8 @ 100/175/100
	8-T25, 1000, 650
	4-T25+6T20
COLUMN MARKED	C5

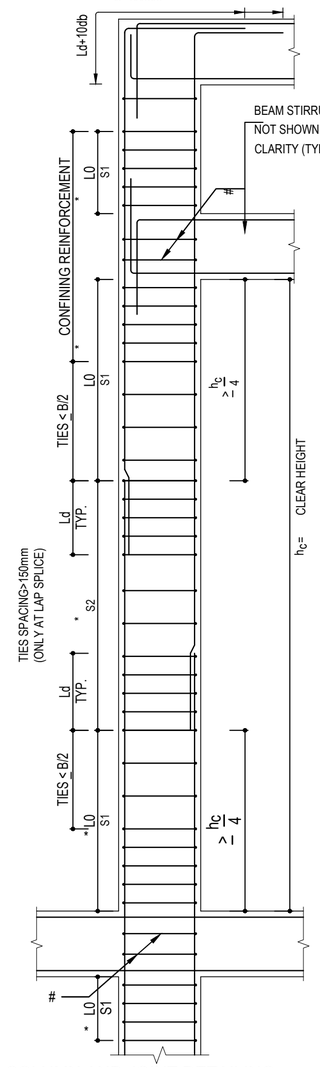
SHEAR LINK:s1/s2/s1



STIRRUPS IN COLUMN (TYP.)

LAPPING BAR IN COLUMN SIZE
(Scale 1:50)

* Lo HIGHEST AMONG FOLLOWING:
a. ⌀ LARGER LATERAL DIMENSION OF COLUMN
b. ⌀ 1/6 hc
c. 450mm



COLUMN AND JOINT DETAILING
(WITH LAPS/MECH. SPLICE)
(Scale 1:50)

SPACING OF TIES IN Lo REGION SHALL NOT EXCEED B/4 BUT NEED NOT BE LESS THAN 75MM NOR MORE THAN 100mm.

SPACING OF TIES IN BEAM COLUMN JOINTS SHALL NOT EXCEED 150mm.

Nithya T, B.Arch.,
Registered Architect
Council of Architecture
CA / 2018 / 91485 Valid Till : 31 / 12 / 2029
G-3, Block - 3, Shivani Apartments, 40, East Coast Road, Thiruvanmiyur, Chennai - 600 041, Tamilnadu.
Phone : 98849 14921
E-mail : nithyat.leo@gmail.com

SIGNATURE OF ARCHITECT

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14. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

For GT BHARATHI URBAN DEVELOPERS PVT LTD
AUTHORISED SIGNATORY

OWNER'S SIGNATURE

Er.S.MOSES ARANGANATHAN
B.E., M.E(Struct.) FIE, FIA(Struct.)., FIV.,
DTCP Registered Structural Engineer-Grade-I (RSE)
DTCP Reg.No. TVLR/RSE/Gr-I/2024/07/006
Maduravoyal, Chennai - 600095
Email Id: mosesarsomu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

Rev.	Description
R0	ISSUE FOR APPROVAL

PROJECT TITLE:

PHASE-3 TOWER BLOCK

CLIENT:

GT REALTY | Bharathi Meraki

GT BHARATHI URBAN DEVELOPERS PVT. LTD.
OLD No: 31 & 32, New No: 81 & 83,
Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:

GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

COLUMN REINF., DETAILS.,& COLUMN TYPICAL DETAILS.,

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKANP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/FTYD/08
REVISION: R0

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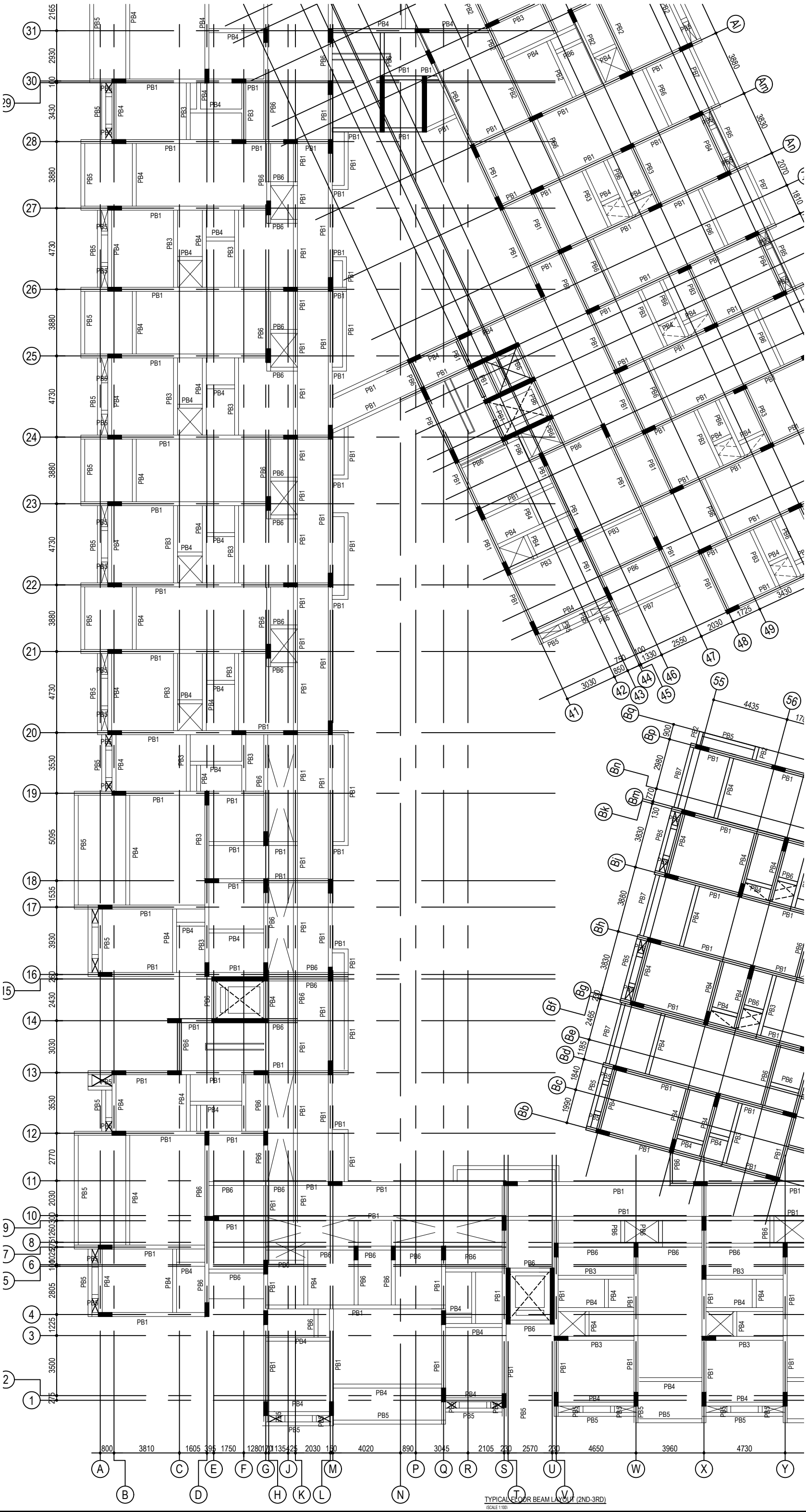

TYPICAL FLOOR BEAM LAYOUT (2ND-3RD)
(SCALE 1:100)

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Email Id: mosesarsomu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

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R0	ISSUE FOR APPROVAL

PROJECT TITLE:

PHASE-3 TOWER BLOCK

CLIENT:

GT REALTY | Bharathi Meraki

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CONSULTANT:

GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

PLINTH BEAM LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKALP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/PBL/09

REVISION: R0

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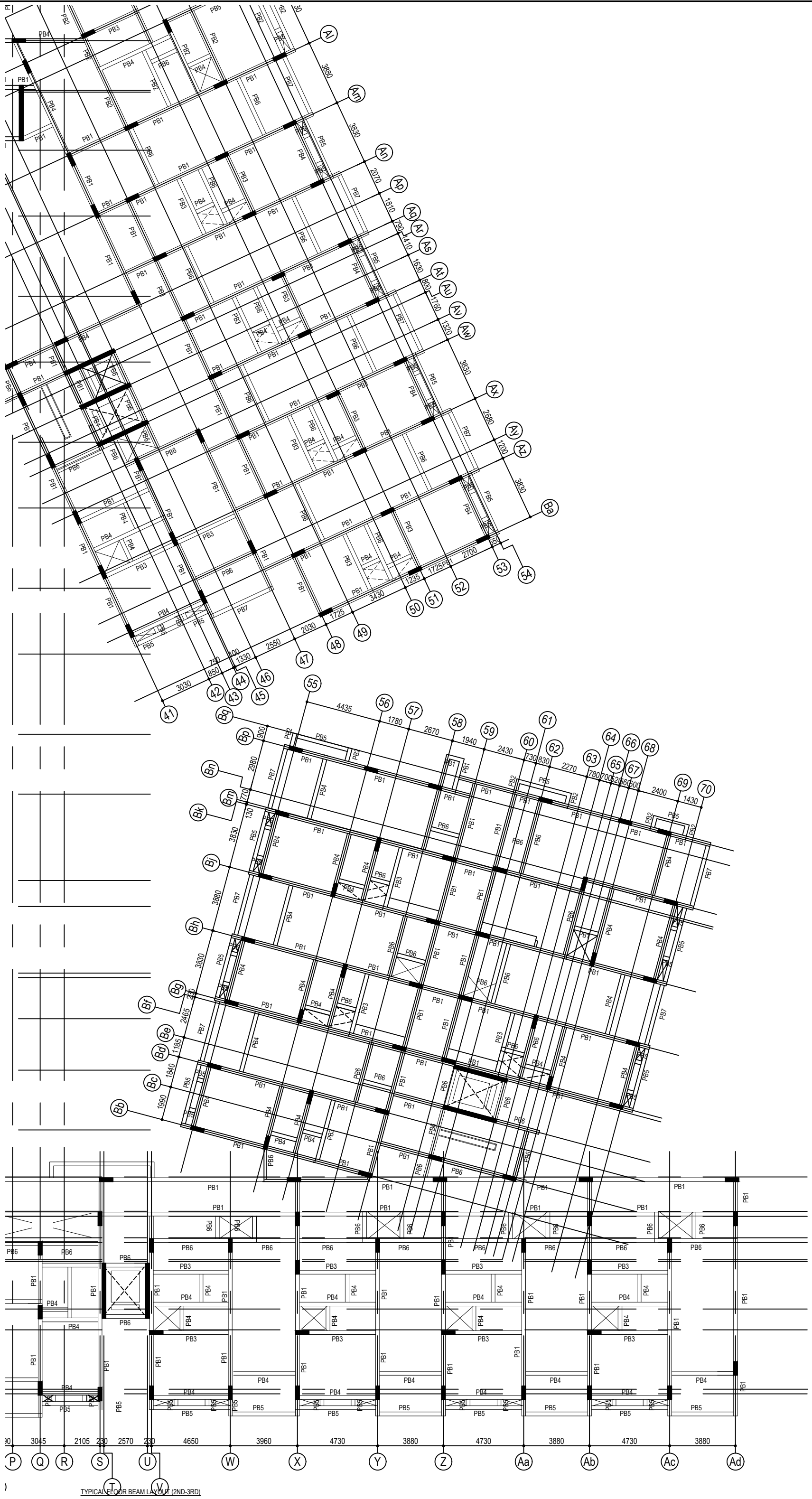

TYPICAL FLOOR BEAM LAYOUT (2ND-3RD)

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email: gconchennai@gmail.com

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PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

PLINTH BEAM LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKANLP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/PBL/10

REVISION: R0

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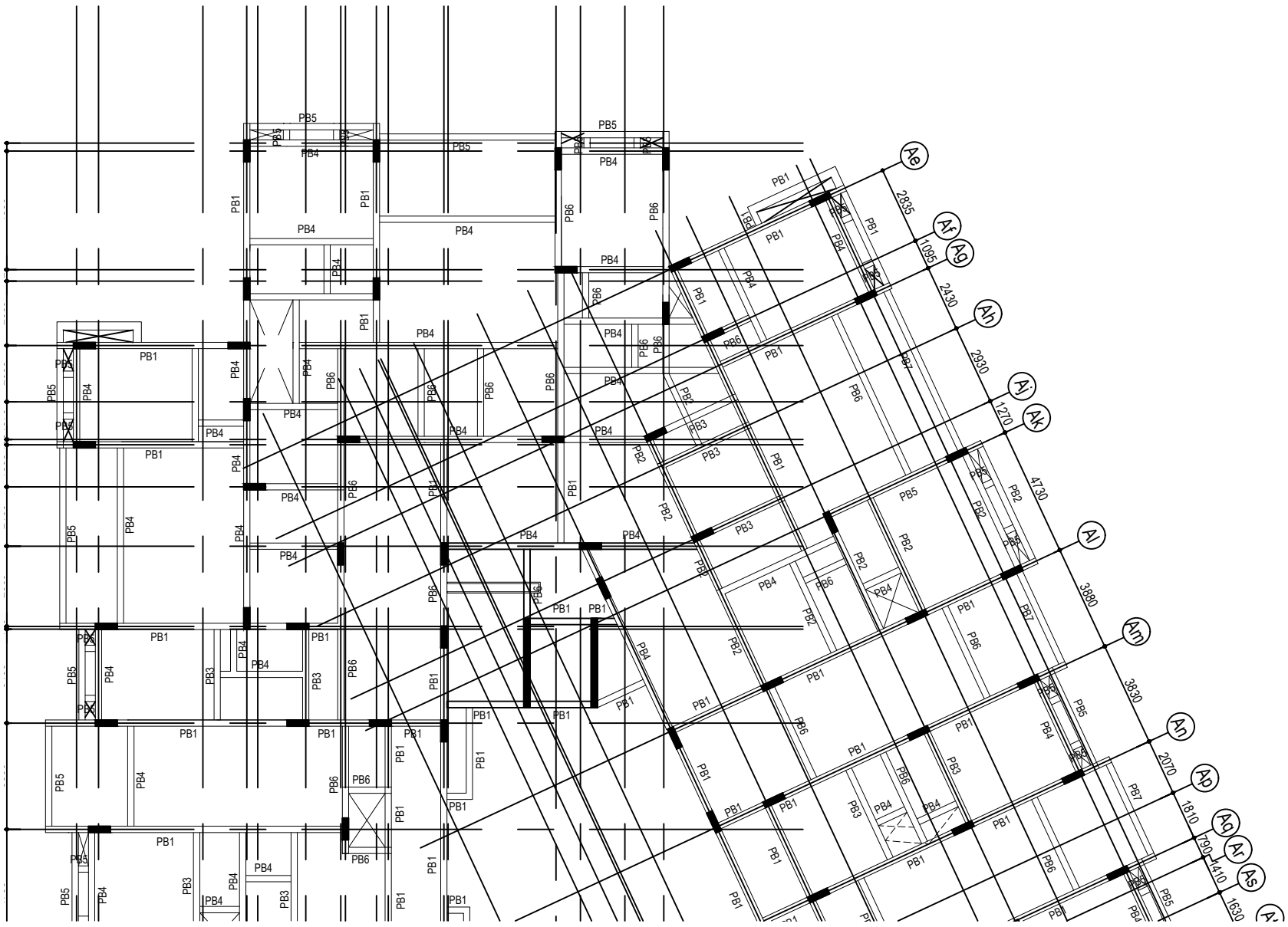
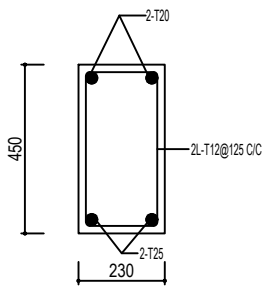
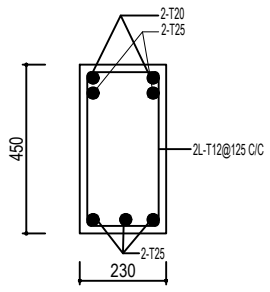
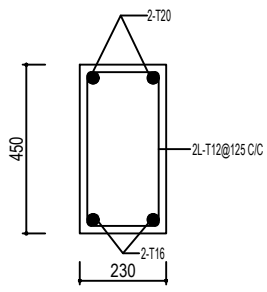




C.S OF BEAM -PB1 (AT MID)
(SCALE 1:10)



C.S OF BEAM -PB1 (AT SUPPORT)
(SCALE 1:10)



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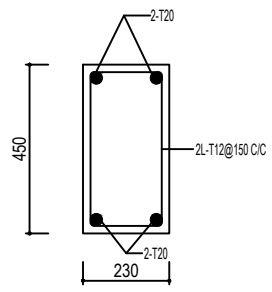

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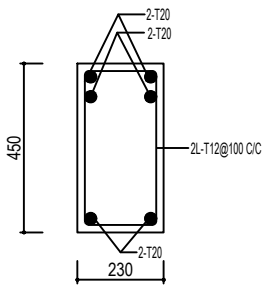

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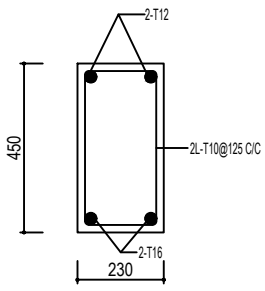

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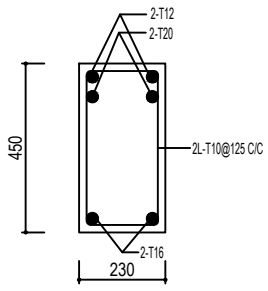

C.S OF BEAM -PB4 (AT SUPPORT)
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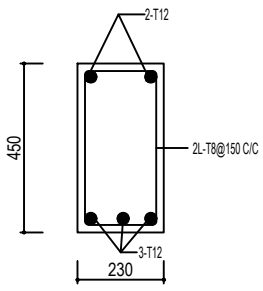

C.S OF BEAM -PB5 (AT MID)
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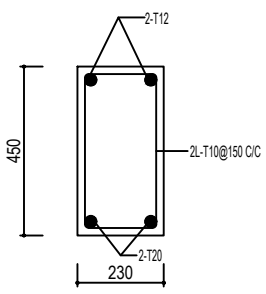

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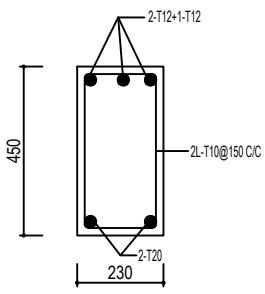

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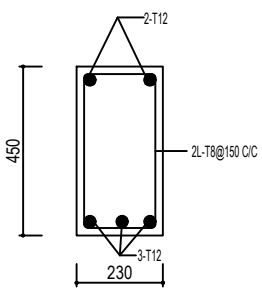

C.S OF BEAM -PB7 (AT MID)
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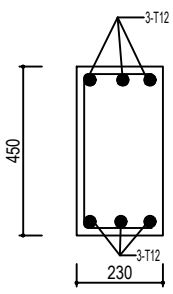

C.S OF BEAM -PB7
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PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

PLINTH BEAM LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKANLP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

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REVISION: R0

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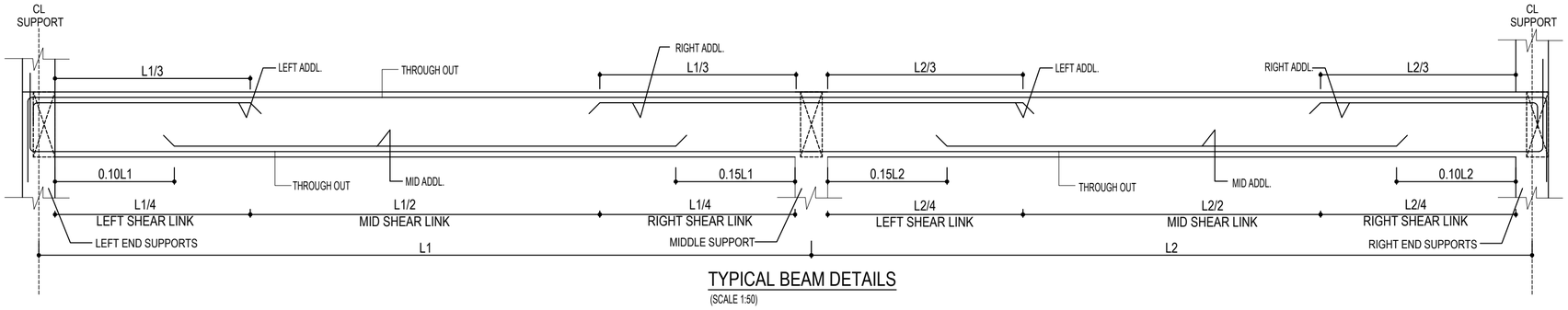
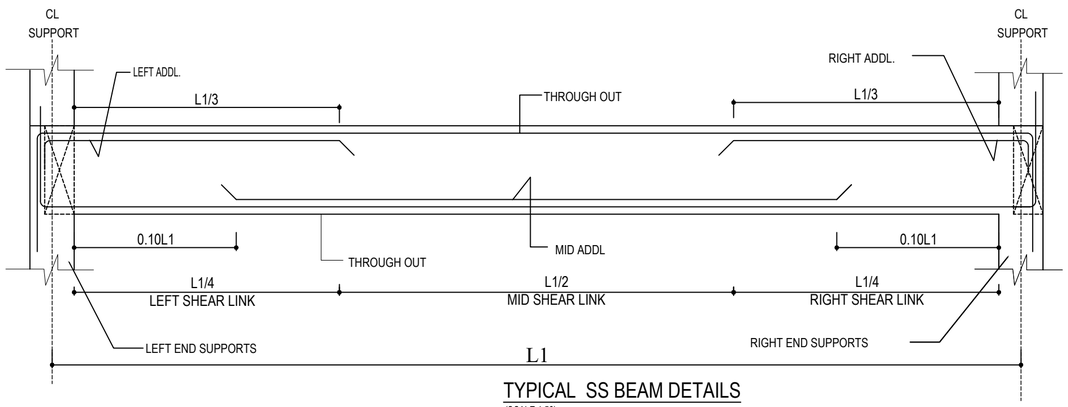


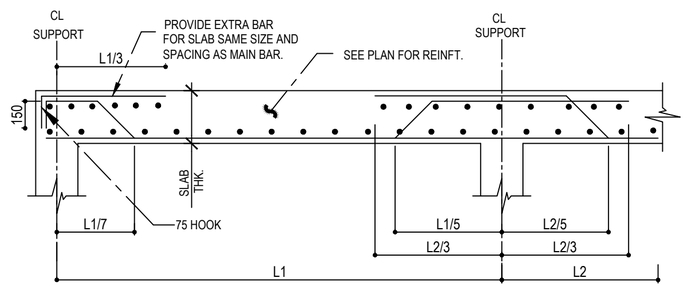
TYPICAL BEAM DETAILS

(SCALE 1:50)



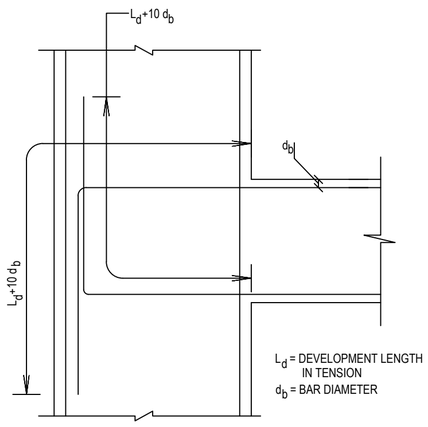
TYPICAL SS BEAM DETAILS

(SCALE 1:50)



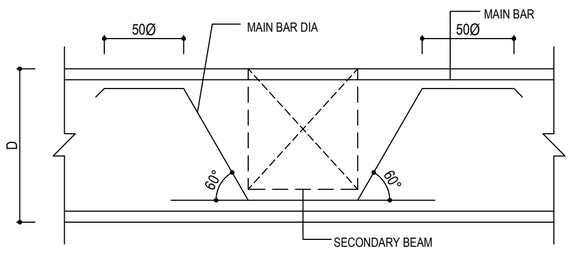
TYPICAL SLAB DETAIL

(Scale 1:50)



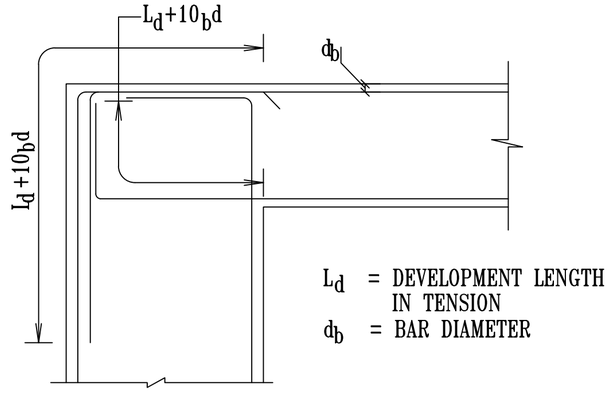
TYPICAL DETAILS FOR ANCHORAGE OF BEAM BARS

(Scale 1:50)



CRANK BAR DETAIL FOR BEAM

(Scale 1:50)



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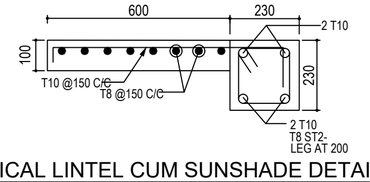
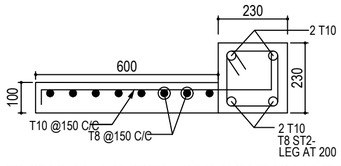


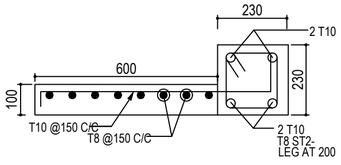
TYPICAL LINTEL CUM SUNSHADE DETAIL

(SCALE 1:10)



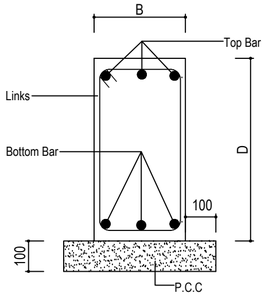
TYPICAL LINTEL CUM SUNSHADE DETAIL

(SCALE 1:10)



TYPICAL LINTEL CUM LOFT DETAIL

(SCALE 1:10)



TYPICAL PLINTH BEAM DETAILS

(SCALE 1:10)

Nithya T, B.Arch.,
Registered Architect
Council of Architecture
CA / 2018 / 91435 Valid Till : 31 / 12 / 2020
G-3, Block - 3, Shivani Apartments, 40, East Coast Road,
Thiruvanmiyur, Chennai - 600 041, Tamilnadu.
Phone : 98849 14921
E-mail : nithyaLiteo@gmail.com

NOTES:

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7. NO ADMIXTURES SHALL BE ADDED WITHOUT PERMISSION OF CONSULTANT
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   a) FOUNDATION: 50MM. c) COLUMN: 40MM.
   b) BEAM: 30MM. d) SLAB: 25MM.
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For GT BHARATHI URBAN DEVELOPERS PVT LTD

AUTHORISED SIGNATORY

OWNER'S SIGNATURE

Er.S.MOSES ARANGANATHAN
B.E., M.E(Struct.) FIE, FIA(Struct.)., FIV.,
DTCP Registered Structural Engineer-Grade-I (RSE)
DTCP Reg.No. TVLR/RSE/Gr-I/2024/07/006
Maduravoyal, Chennai - 600095
Email Id: mosescsomu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

Rev.	Description
R0	ISSUE FOR APPROVAL

PROJECT TITLE:

PHASE-3 TOWER BLOCK

CLIENT:

GT REALTY | Bharathi Meraki

GT BHARATHI URBAN DEVELOPERS PVT. LTD.
OLD No: 31 & 32, New No: 81 & 83,
Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:

GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

PLINTH BEAM TYPICAL DETAILS.

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURJOANP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/PBD/12

REVISION: R0

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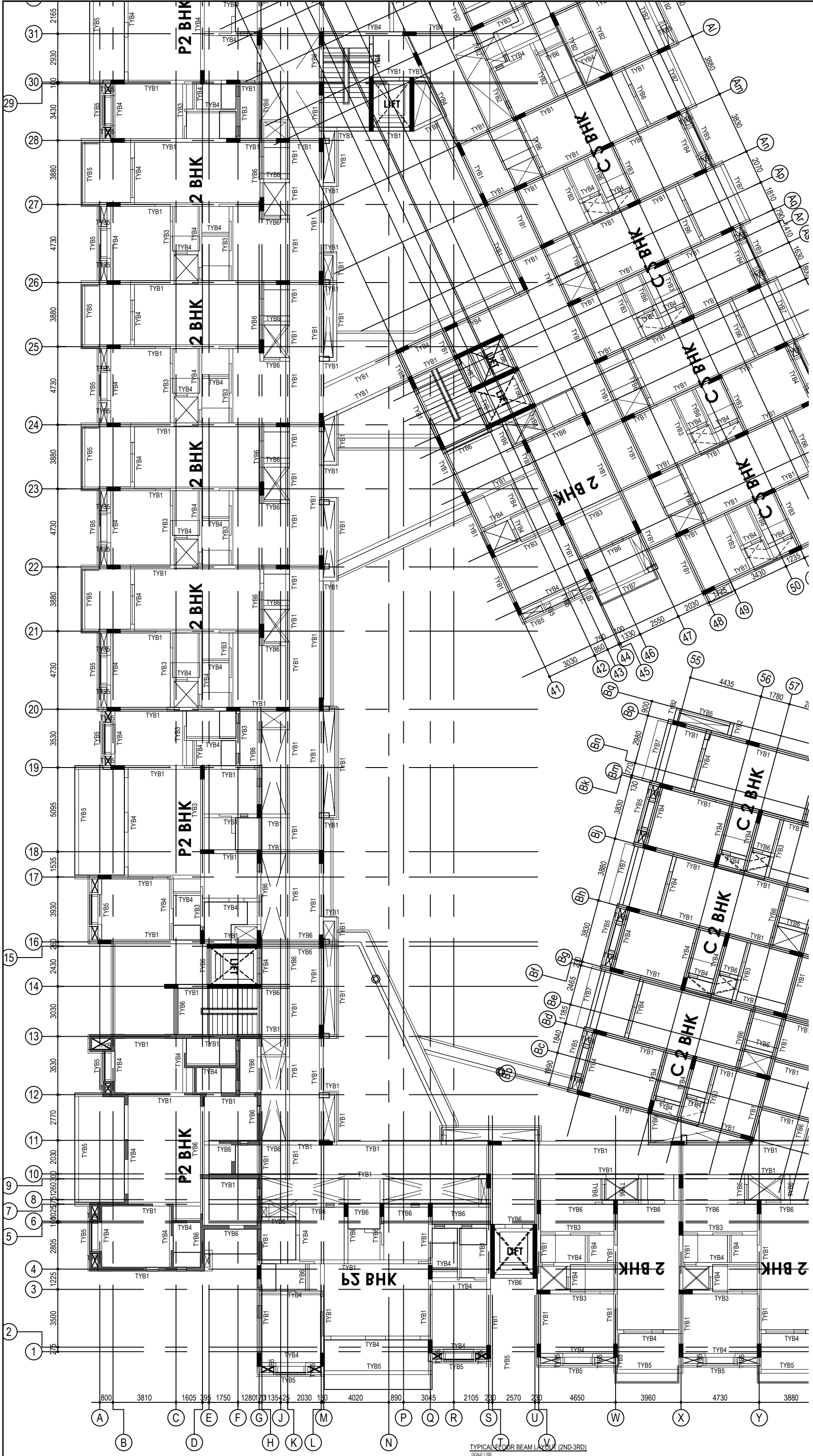

TYPICAL FLOOR BEAM LAYOUT (2ND-3RD)
(SCALE 1:100)

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GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

TYPICAL FLOOR BEAM LAYOUT(2ND-3RD)

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKANLP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/TYBL/13

REVISION: R0

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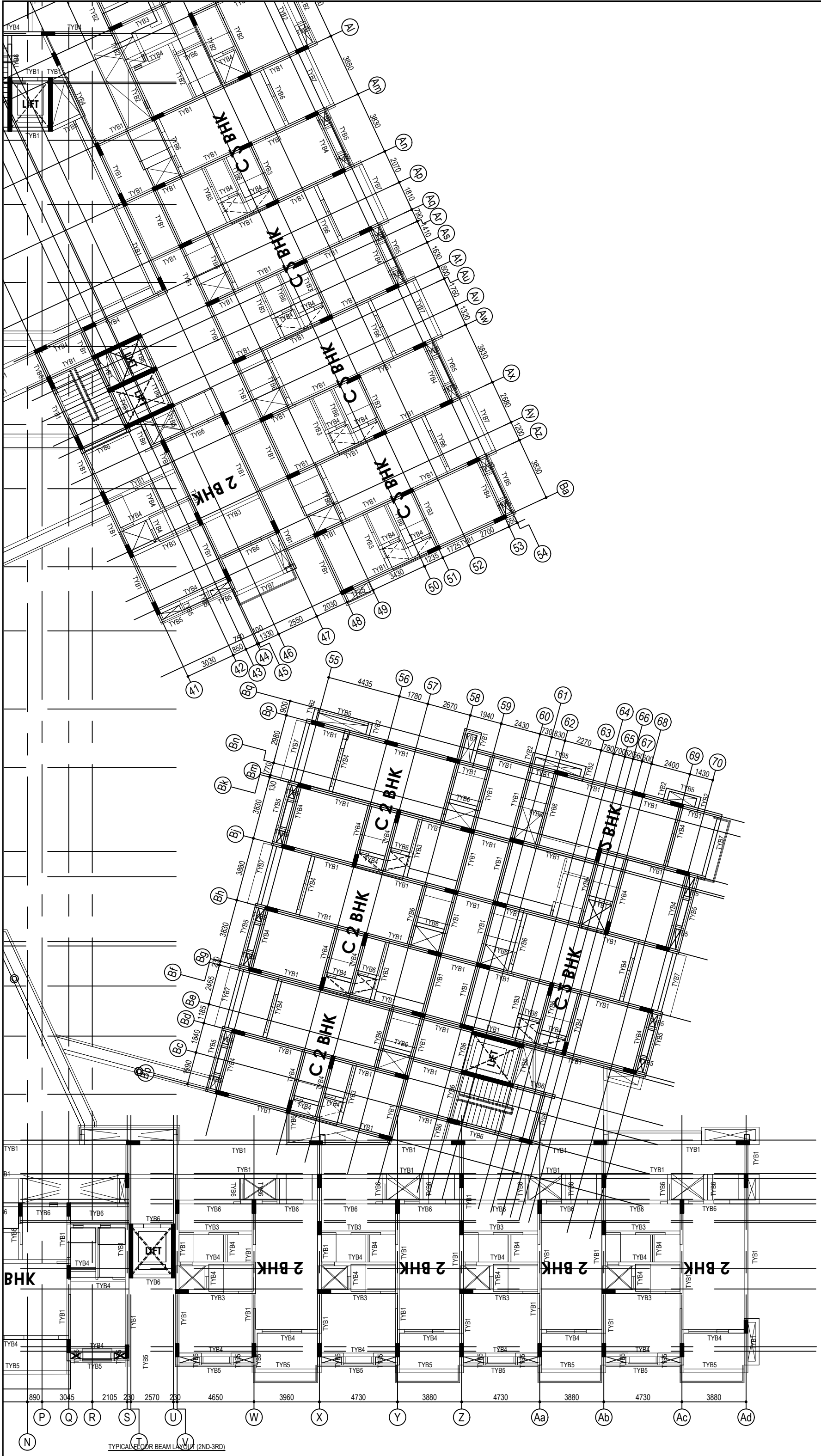

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PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

TYPICAL FLOOR BEAM LAYOUT(2ND-3RD)

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKAN.P	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/FFBL/14

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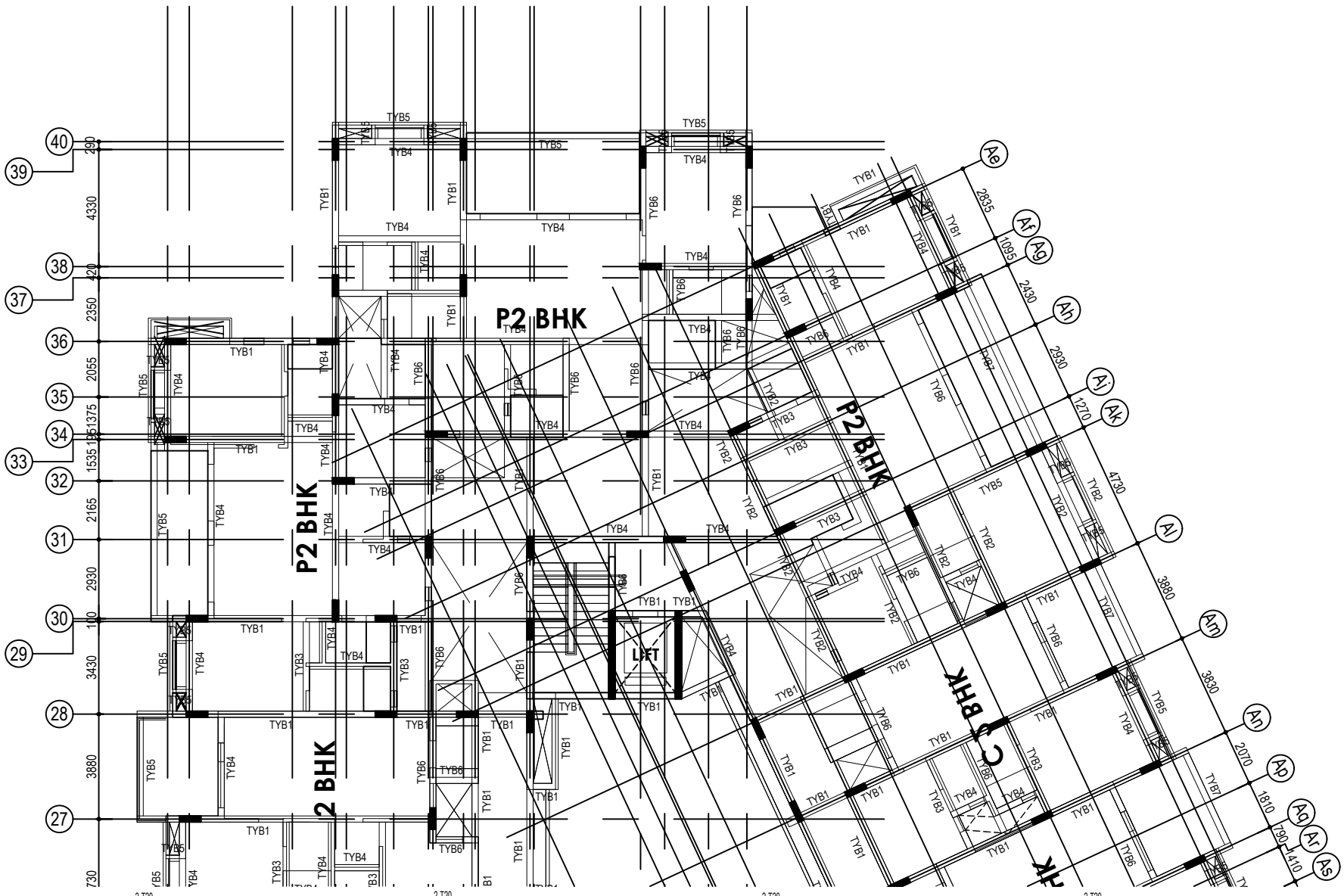
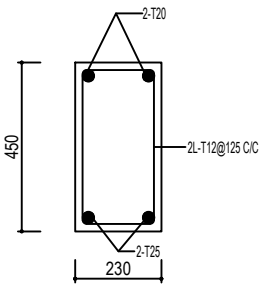
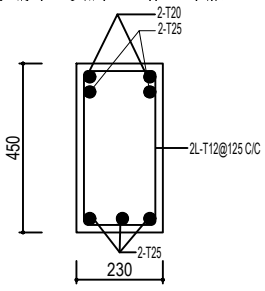




C.S OF BEAM -TYB1(AT MID)
(SCALE 1:10)



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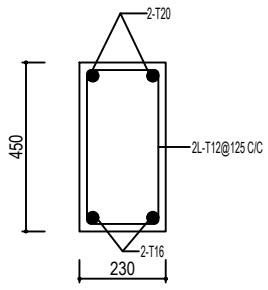

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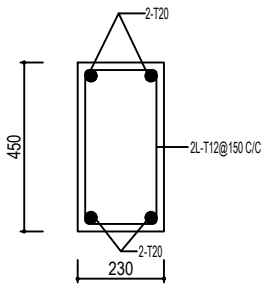

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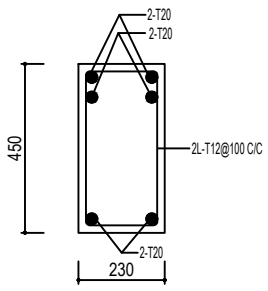
(SCALE 1:10)



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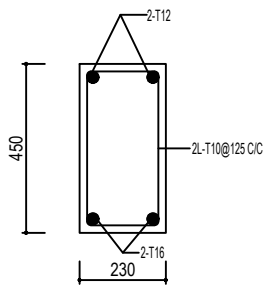
(SCALE 1:10)



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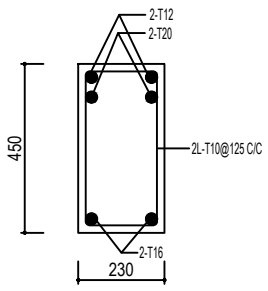

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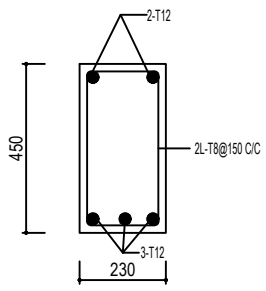

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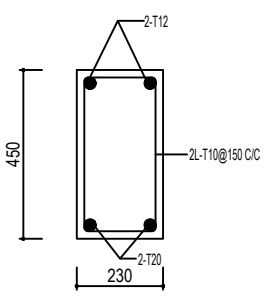

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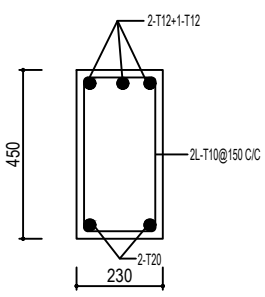
(SCALE 1:10)



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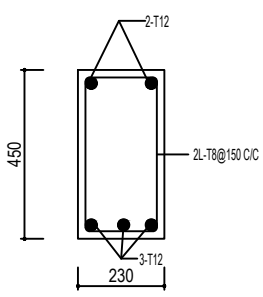
(SCALE 1:10)



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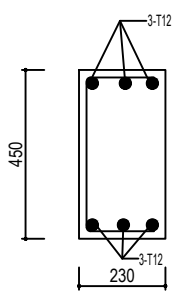
(SCALE 1:10)



C.S OF BEAM -TYB7
(SCALE 1:10)

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PROJECT TITLE:
PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:
TYPICAL FLOOR BEAM LAYOUT(2ND-3RD)

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKANLP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/FFBL/15
REVISION: R0

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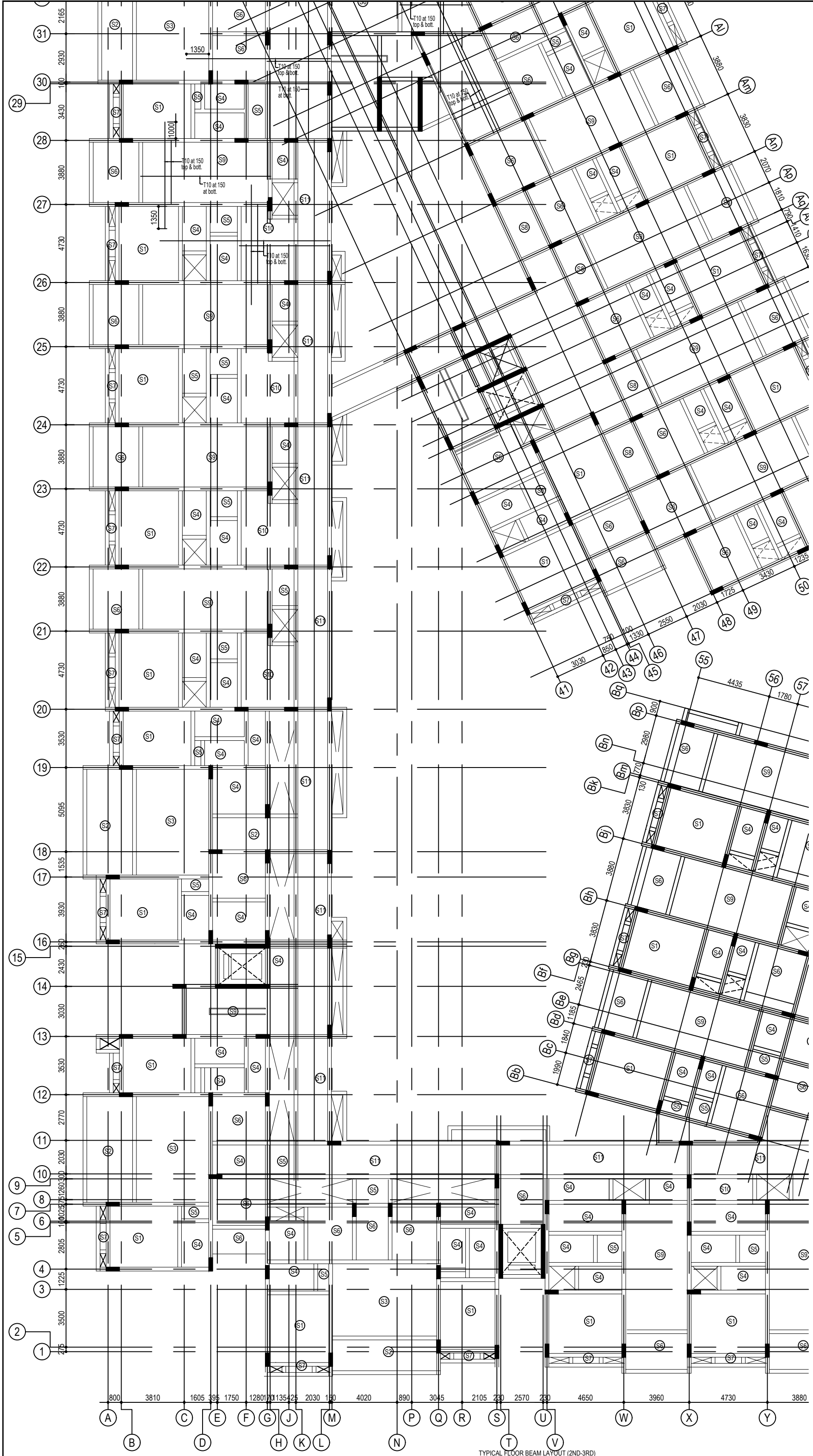

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PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

TYPICAL FLOOR SLAB DETAILS(2ND-3RD)

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKAN.P	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/TYSD/16

REVISION: R0

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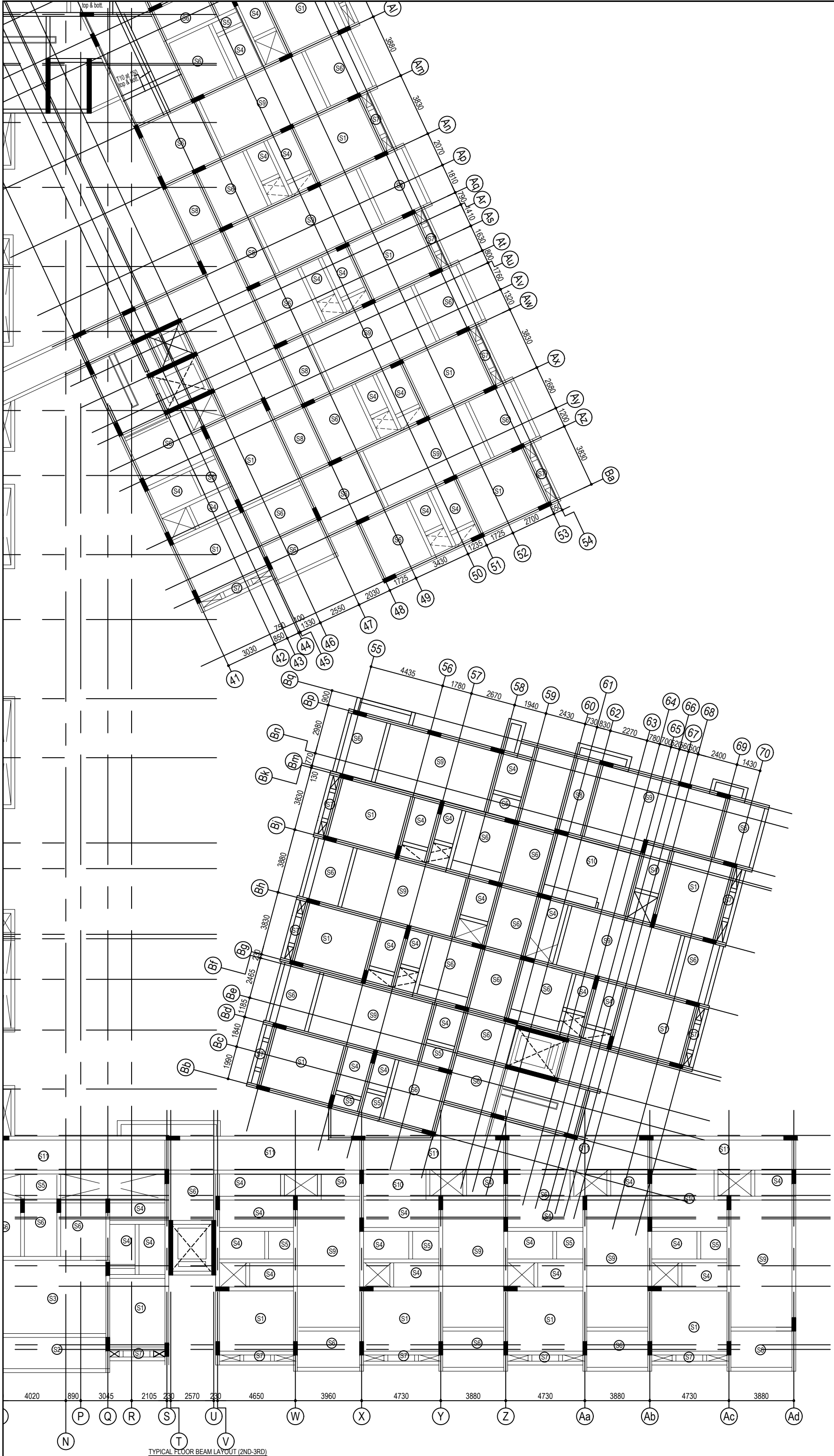

TYPICAL FLOOR BEAM LAYOUT (2ND-3RD)
(SCALE 1:100)

NOTES:

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6. FOOTING DESIGNED FOR G+4 ONLY.
7. NO ADMIXTURES SHALL BE ADDED WITHOUT PERMISSION OF CONSULTANT
8. CLEAR COVER TO REINFORCEMENT FOR
   a) FOUNDATION: 50MM. c) COLUMN: 40MM.
   b) BEAM: 30MM. d) SLAB: 25MM.
9. SBC OF SOIL CONSIDERED AS 21T/SQM AS PER SOIL REPORT
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14. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

For GT BHARATHI URBAN DEVELOPERS PVT LTD

AUTHORISED SIGNATORY

OWNER'S SIGNATURE

Nithya T, B.Arch.,
Registered Architect
Council of Architecture
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DTCP Reg.No. TVLR/RSE/Gr-I/2024/07/006
Maduravoyal, Chennai - 600095
Email Id: mosescsomu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

Rev.	Description
R0	ISSUE FOR APPROVAL

PROJECT TITLE:

PHASE-3 TOWER BLOCK

CLIENT:

GT REALTY | Bharathi Meraki

GT BHARATHI URBAN DEVELOPERS PVT. LTD.
OLD No: 31 & 32, New No: 81 & 83,
Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:

GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

TYPICAL FLOOR SLAB DETAILS(2ND-3RD

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKAN.P	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/FFSD/17

REVISION: R0

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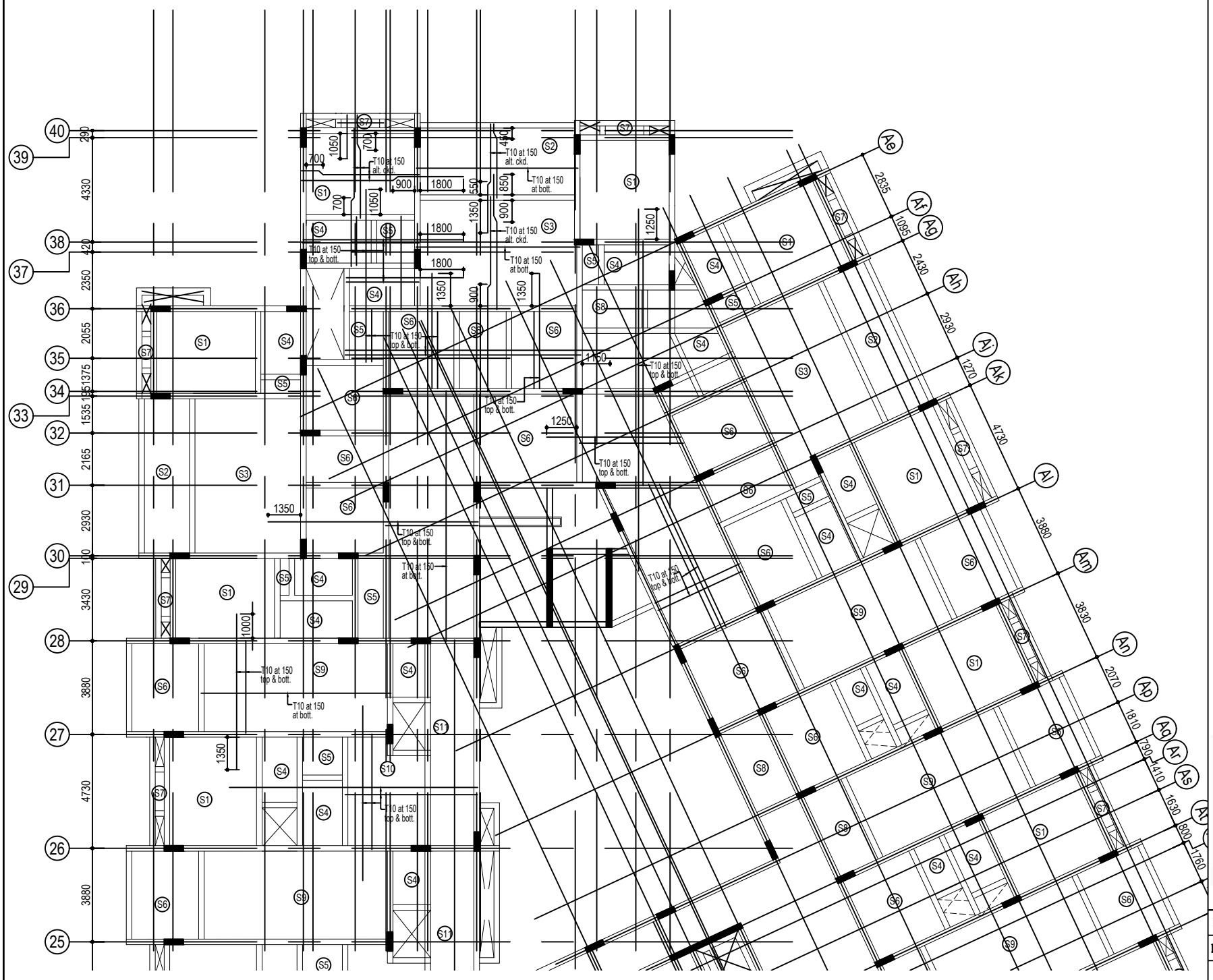

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Maduravoyal, Chennai - 600095
Email Id: mosescsomu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

Rev.	Description
R0	ISSUE FOR APPROVAL

PROJECT TITLE:

PHASE-3 TOWER BLOCK

CLIENT:

GT REALTY | Bharathi Meraki

GT BHARATHI URBAN DEVELOPERS PVT. LTD.
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Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:

GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. TOWER BLOCK

DRAWING TITLE:

TYPICAL FLOOR SLAB DETAILS(2ND-3RD

DRAWN:	DESIGNED:	APPROVED:	STAGE:
SATHURUKKANLP	G.G	G.G	APPROVAL
SCALE: 1:50	DATE: 15-10-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24222/SD/FFSD/18

REVISION: R0

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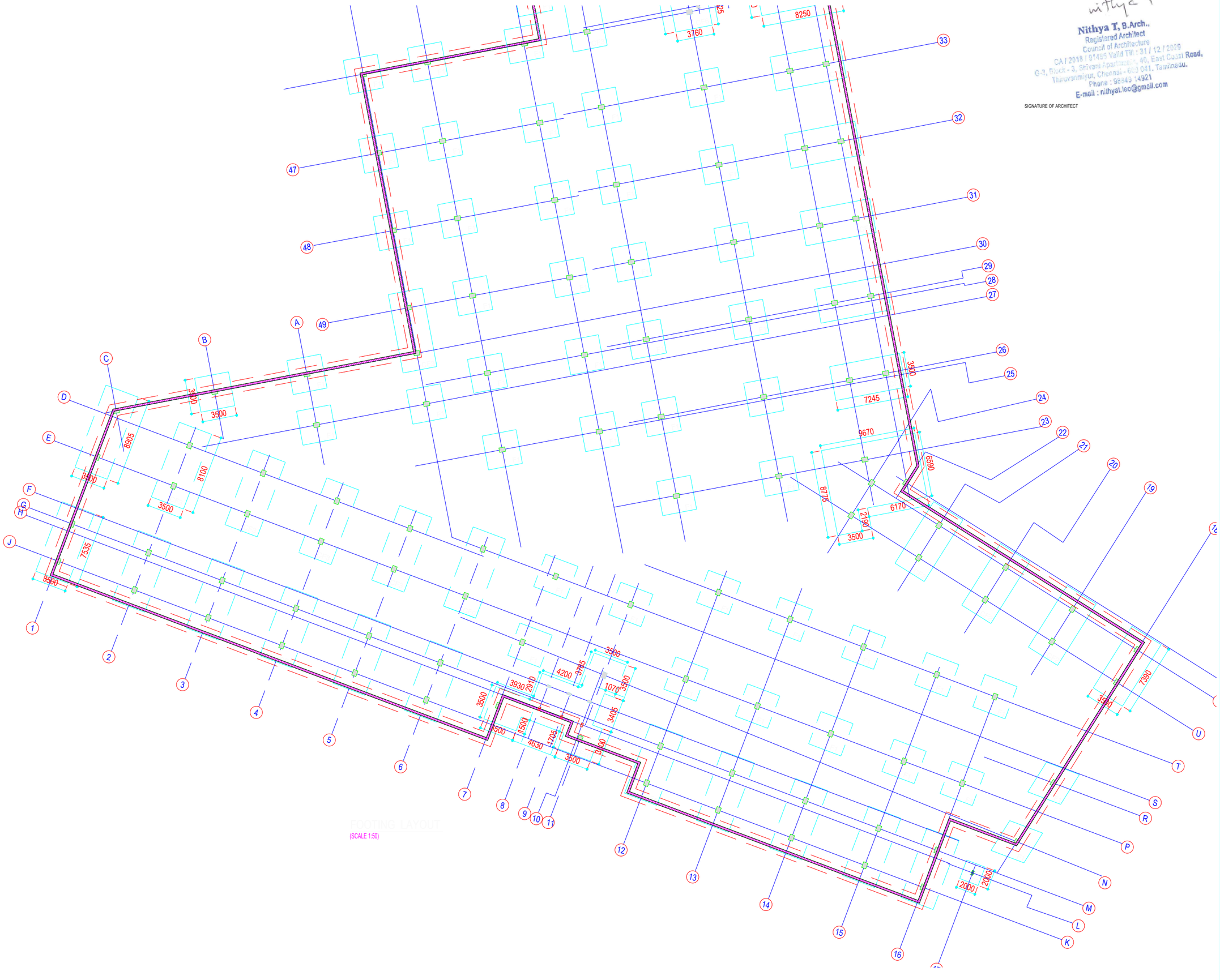

FOOTING LAYOUT
(SCALE 1:50)

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Email Id: mosesarsomu@gmail.com

Rev.	Description
R0	ISSUE FOR APPROVAL

PROJECT TITLE:
PHASE-2 PODIUM

CLIENT:
GT REALTY | Bharathi Meraki
GT BHARATHI URBAN DEVELOPERS PVT. LTD.
OLD No: 31 & 32, New No: 81 & 83,
Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:
GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM
email: gconchennai@gmail.com

PROJECT TITLE:
PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. PODIUM

DRAWING TITLE:
FOOTING LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
ROHAN	HARI	G.G	APPROVAL
SCALE: 1:175	DATE: 06-12-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/FL/01
REVISION: R0

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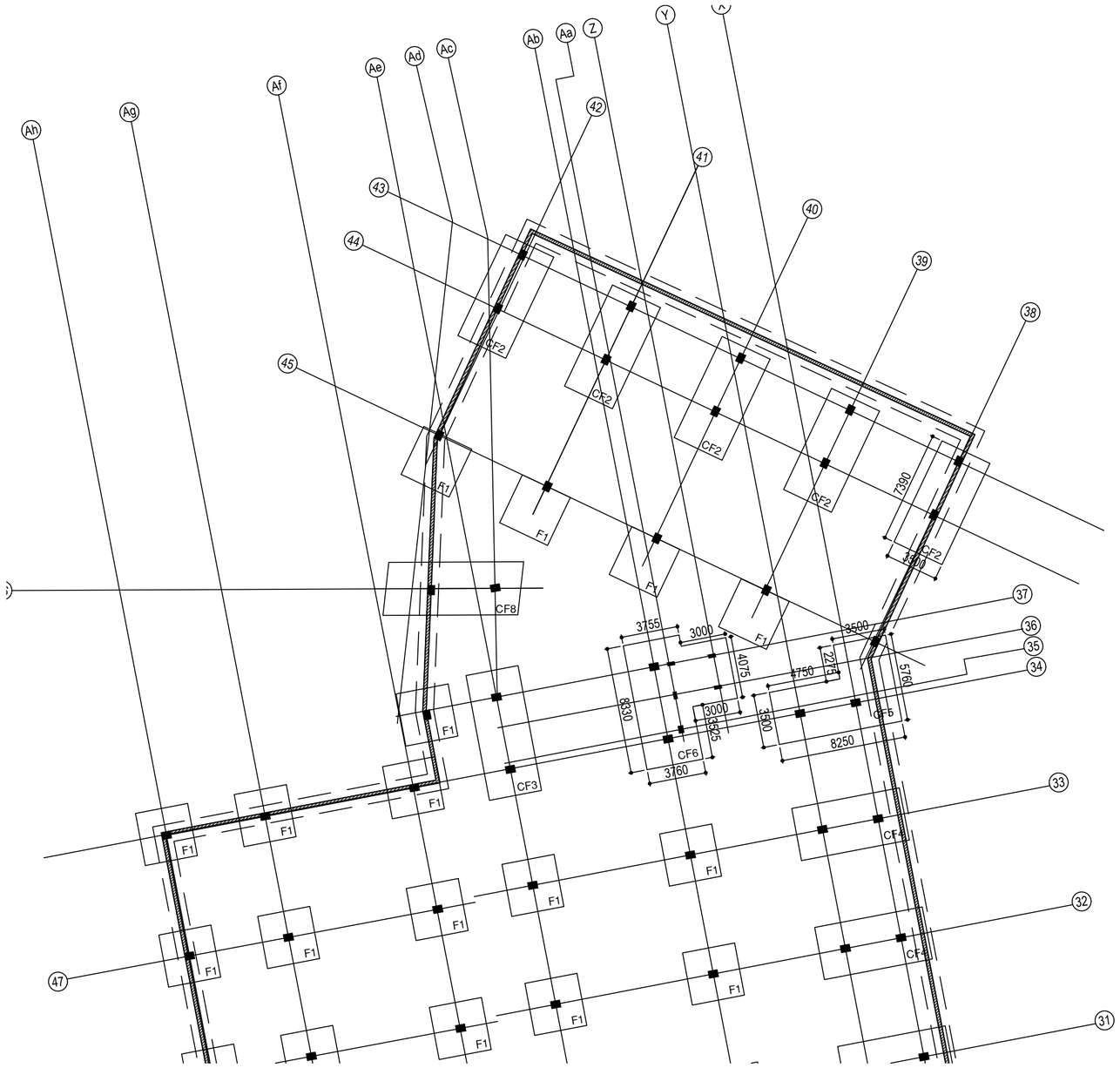
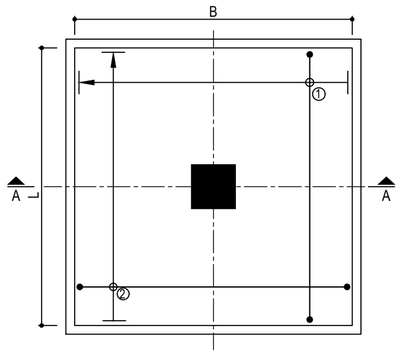
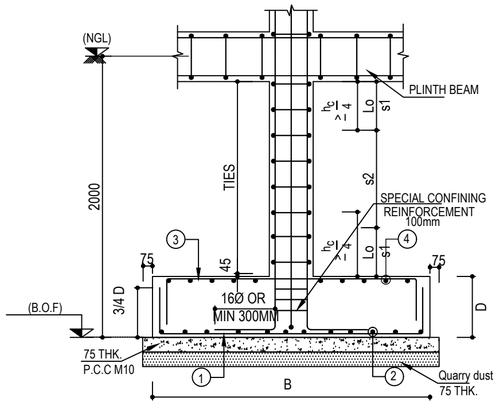




TYP. DETAIL OF ISOLATED FOOTING

scale (1:50)



SECTION A-A

scale (1:50)

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Maduravoyal, Chennai - 600095
Email Id: mosescsomu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

Rev.	Description
R0	ISSUE FOR APPROVAL

PROJECT TITLE:

PHASE-2 PODIUM

CLIENT:

GT REALTY | Bharathi Meraki

GT BHARATHI URBAN DEVELOPERS PVT. LTD.
OLD No: 31 & 32, New No: 81 & 83,
Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:

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A COMPLETE CIVIL ENGINEERING FIRM

email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. PODIUM

DRAWING TITLE:

FOOTING LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
ROHAN	HARI	G.G	APPROVAL
SCALE: 1:175	DATE: 05-12-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/FL/02

REVISION: R0

For GT BHARATHI URBAN DEVELOPERS PVT LTD

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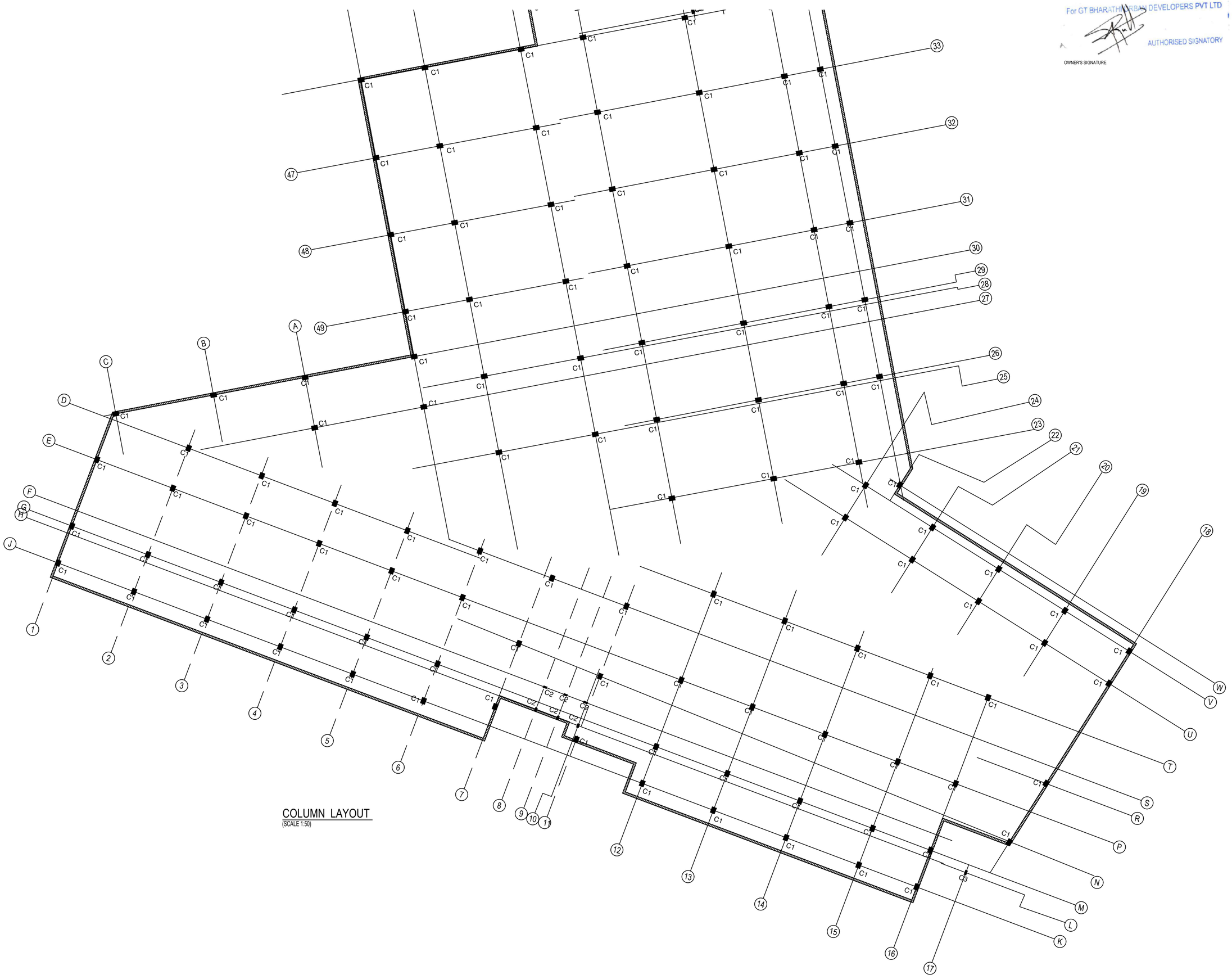

COLUMN LAYOUT
(SCALE 1:50)

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Email Id: mosescsomu@gmail.com
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PROJECT TITLE:

PHASE-2 PODIUM

CLIENT:

GT REALTY | Bharathi Meraki

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PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. PODIUM

DRAWING TITLE:

COLUMN LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
ROHAN	HARI	G.G	APPROVAL
SCALE: 1:175	DATE: 05-12-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/CL/03

REVISION: R0

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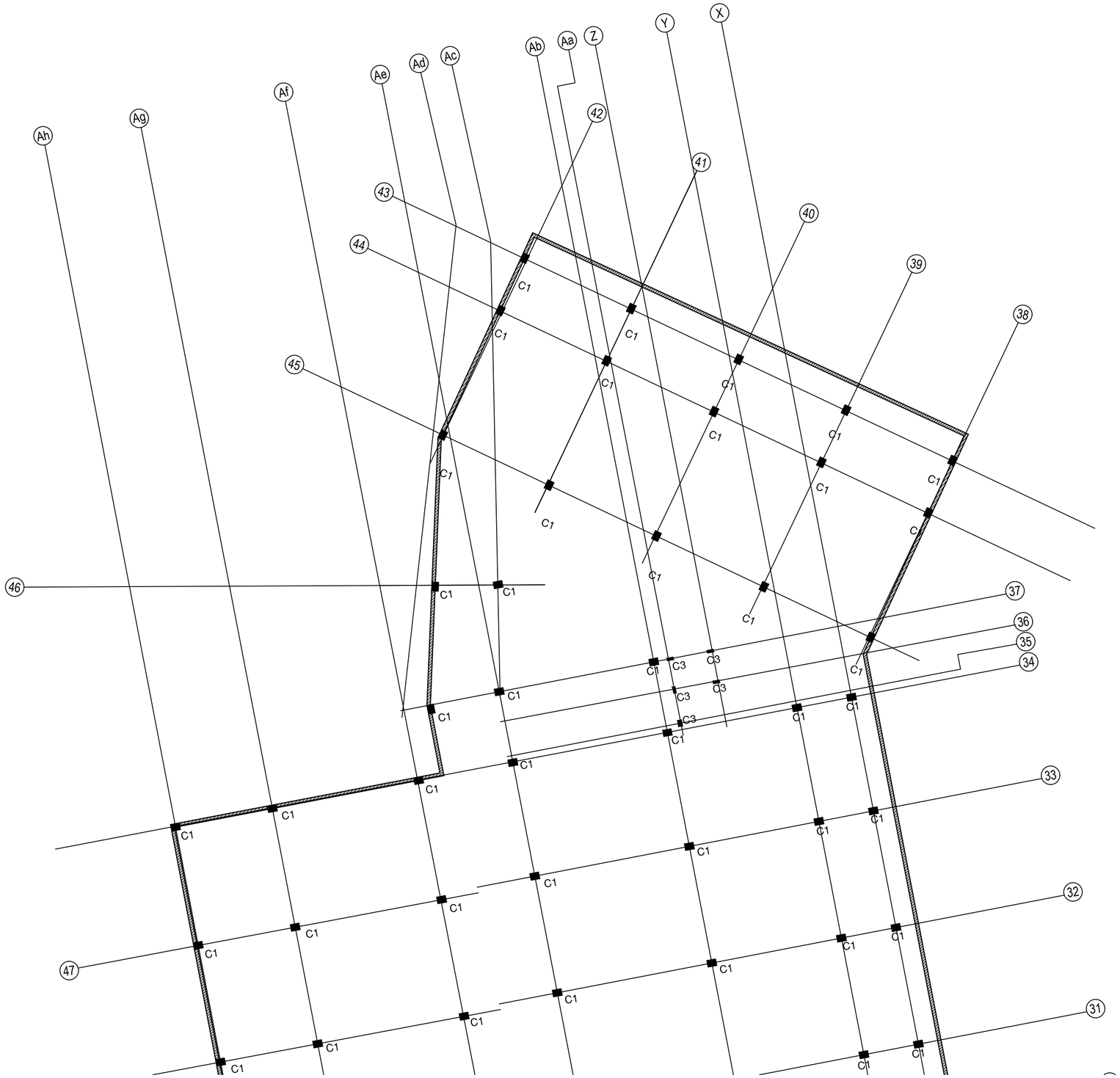

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Email Id: mosescsomu@gmail.com

SIGNATURE OF STRUCTURAL ENGINEER

R0	ISSUE FOR APPROVAL
Rev.	Description

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CLIENT:

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email: gconchennai@gmail.com

PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. PODIUM

DRAWING TITLE:

COLUMN LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
ROHAN	HARI	G.G	APPROVAL
SCALE: 1:75	DATE: 05-12-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/CL/04

REVISION: R0

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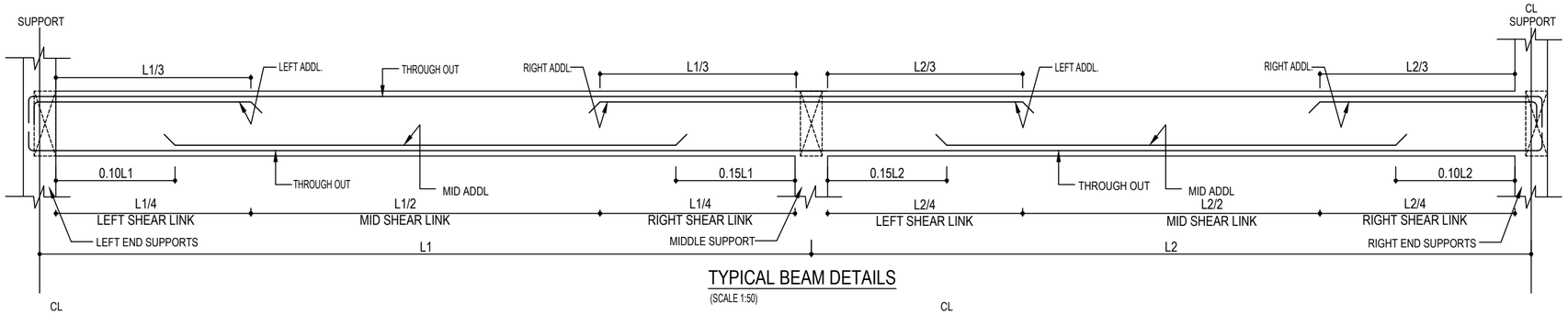
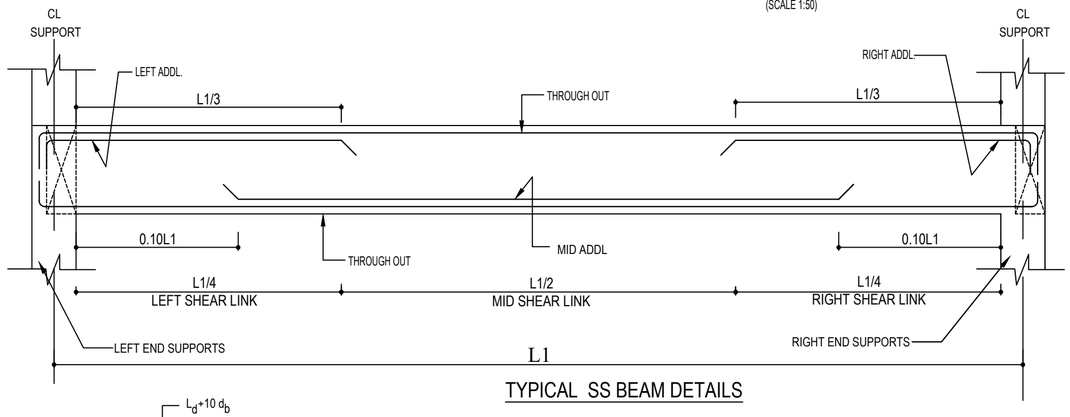
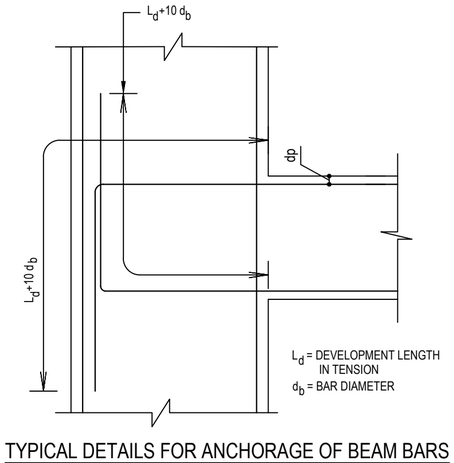
FOOTING TO TERRACE	M25 : Fe550 , COVER = 40MM	M25 : Fe550 , COVER = 40MM	M25 : Fe550 , COVER = 40MM
	LINKS	LINKS	LINKS
	T10 @ 125	T10 @ 150	T8 @ 125
	450, 600, ⊗T32	450, 600, ⊗T32, ⊗T25	200, 450, ⊗T25
	20-T32	8-T32 + 8-T25	12-T25
COLUMN MARKED	C1	C2	C3



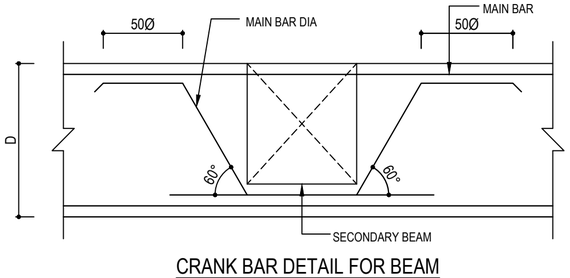
TYPICAL BEAM DETAILS
(SCALE 1:50)



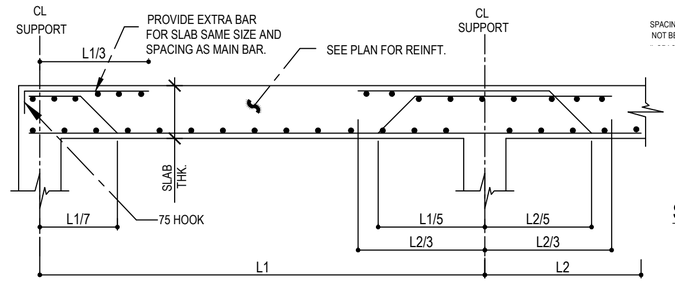
TYPICAL SS BEAM DETAILS



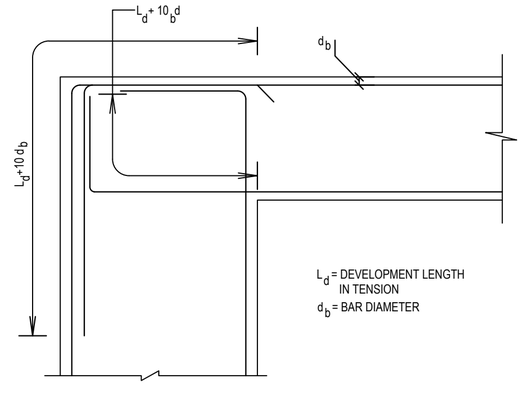
TYPICAL DETAILS FOR ANCHORAGE OF BEAM BARS
(Scale 1:50)



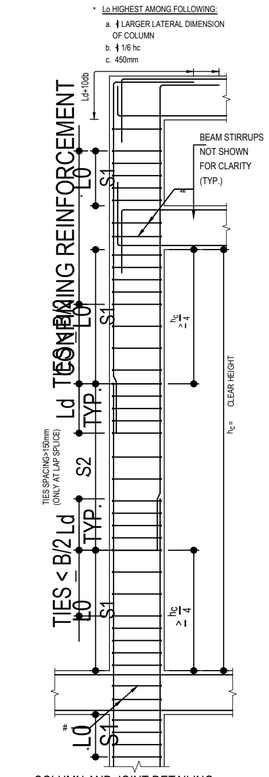
CRANK BAR DETAIL FOR BEAM
(Scale 1:50)



TYPICAL SLAB DETAIL
(Scale 1:50)

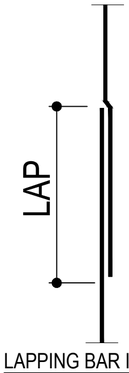


TYPICAL DETAILS FOR ANCHORAGE OF BEAM BARS
(SCALE 1:50)



COLUMN AND JOINT DETAILING
(WITH LAPS/MECH. SPLICE)
(Scale 1:50)
SPACING OF TIES IN Lo REGION SHALL NOT EXCEED B/4 BUT NEED NOT BE LESS THAN 75MM NOR MORE THAN 100mm.

STIRRUPS IN COLUMN (TYP.)



LAPPING BAR IN COLUMN SIZE
(Scale 1:50)

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14. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

Rev.	Description
R0	ISSUE FOR APPROVAL

PROJECT TITLE:
PHASE-2 PODIUM

CLIENT:
GT REALTY | Bharathi Meraki
GT BHARATHI URBAN DEVELOPERS PVT. LTD.
OLD No: 31 & 32, New No: 81 & 83,
Dr. Alagappa Road, Purasawalkam, Chennai - 600084

CONSULTANT:
GCON ENGINEERS
A COMPLETE CIVIL ENGINEERING FIRM
email: gconchennai@gmail.com

PROJECT TITLE:
PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. PODIUM

DRAWING TITLE:
COLUMN REINF., DETAILS

DRAWN:	DESIGNED:	APPROVED:	STAGE:
ROHAN	HARI	G.G	APPROVAL
SCALE: 1:175	DATE: 05-12-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/CRD/05
REVISION: R0

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PODIUM BEAM LAYOUT

(SCALE 1:50)

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R0	ISSUE FOR APPROVAL

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PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. PODIUM

DRAWING TITLE:

PODIUM BEAM LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
ROHAN	HAR	G.G	APPROVAL
SCALE: 1:175	DATE: 05-12-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/PL/06

REVISION: R0

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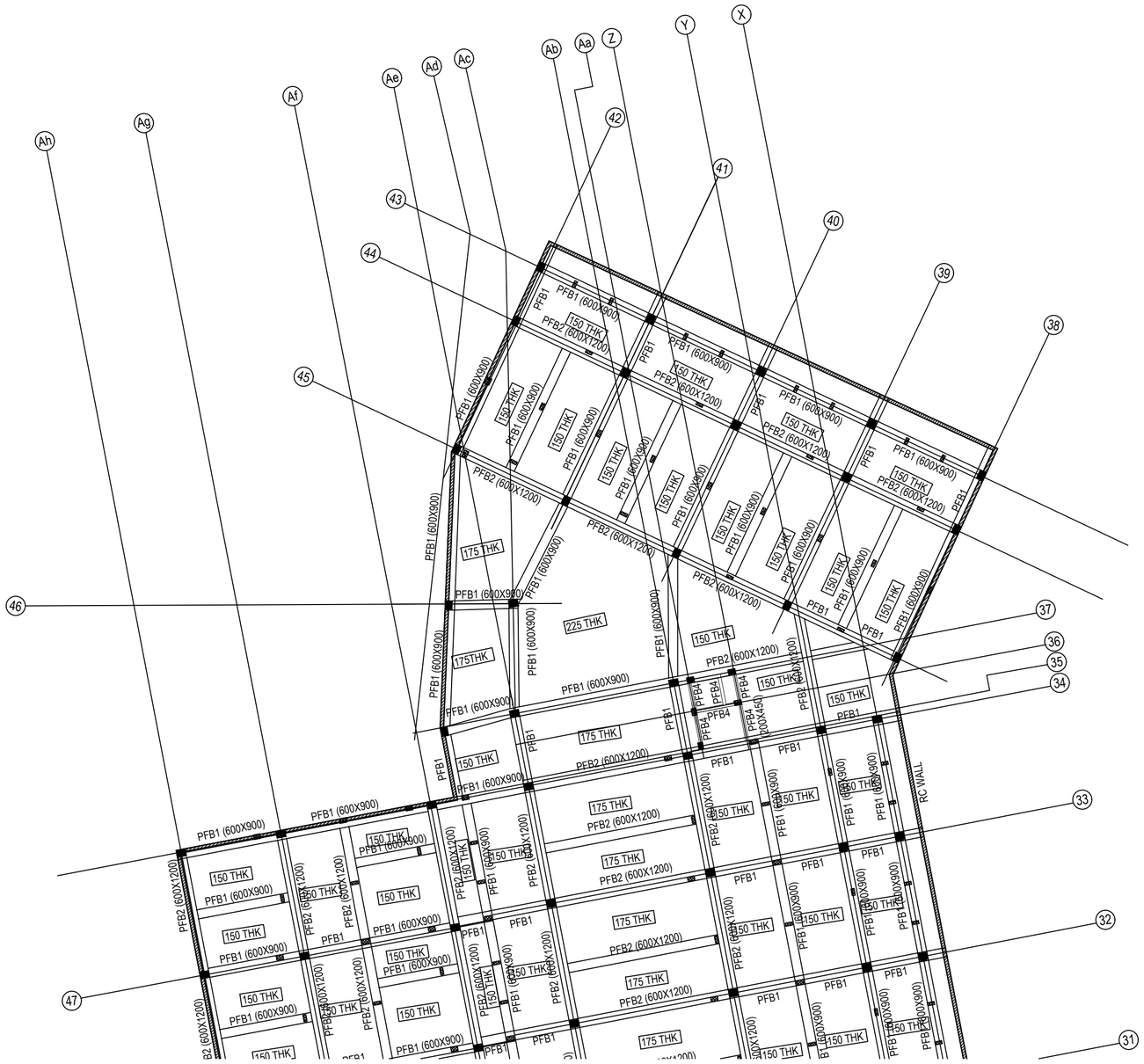

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PROJECT TITLE:

PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. PODIUM

DRAWING TITLE:

PODIUM BEAM LAYOUT

DRAWN:	DESIGNED:	APPROVED:	STAGE:
ROHAN	HARI	G.G	APPROVAL
SCALE: 1:175	DATE: 05-12-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/PL/07

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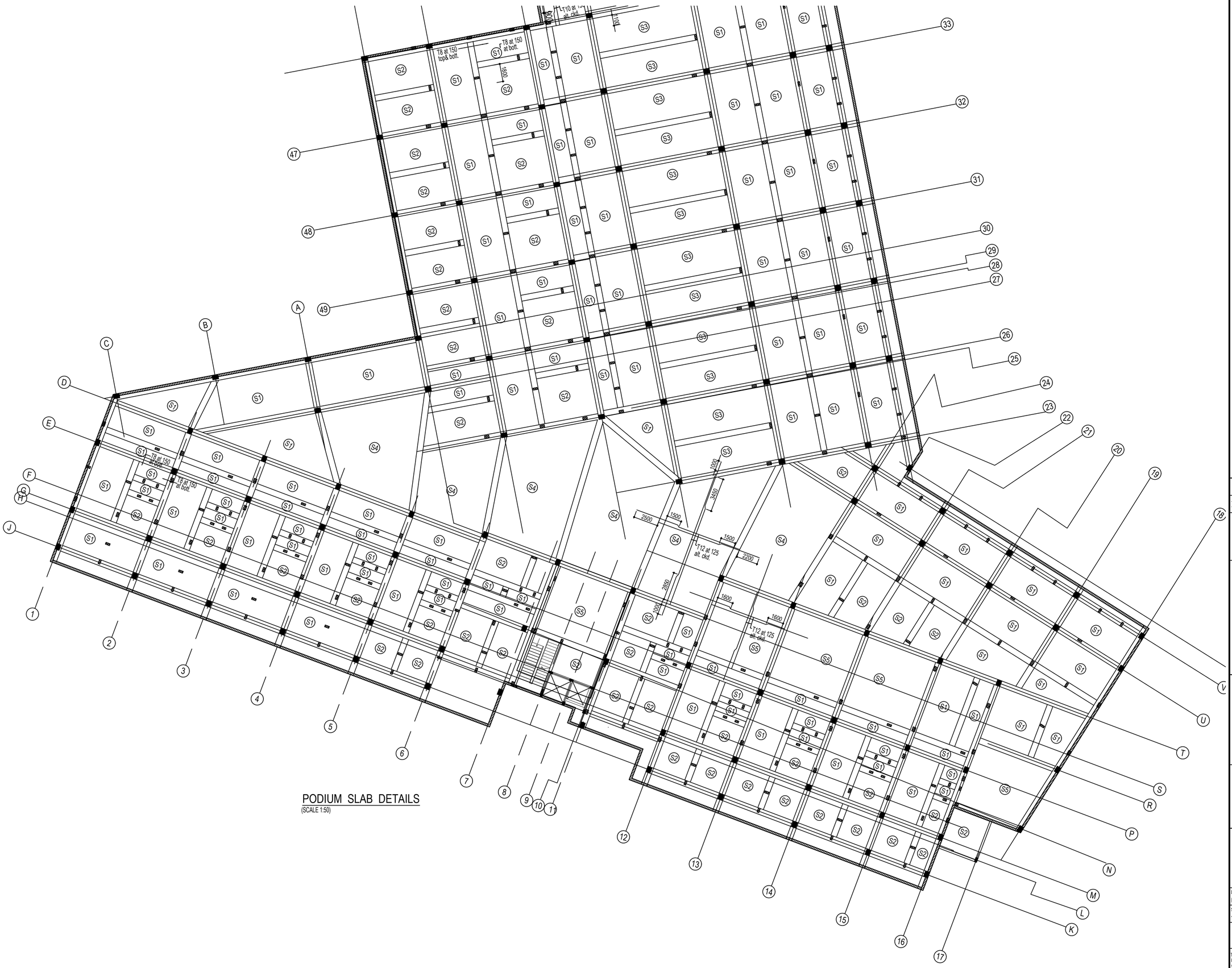

PODIUM SLAB DETAILS
(SCALE 1:50)

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email: gconchennai@gmail.com

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PROPOSED RESIDENTIAL BUILDING AT VEDANEMELI,ECR. PODIUM

DRAWING TITLE:

PODIUM SLAB DETAILS

DRAWN:	DESIGNED:	APPROVED:	STAGE:
ROHAN	HARI	G.G	APPROVAL
SCALE: 1:175	DATE: 05-12-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/PSD/08

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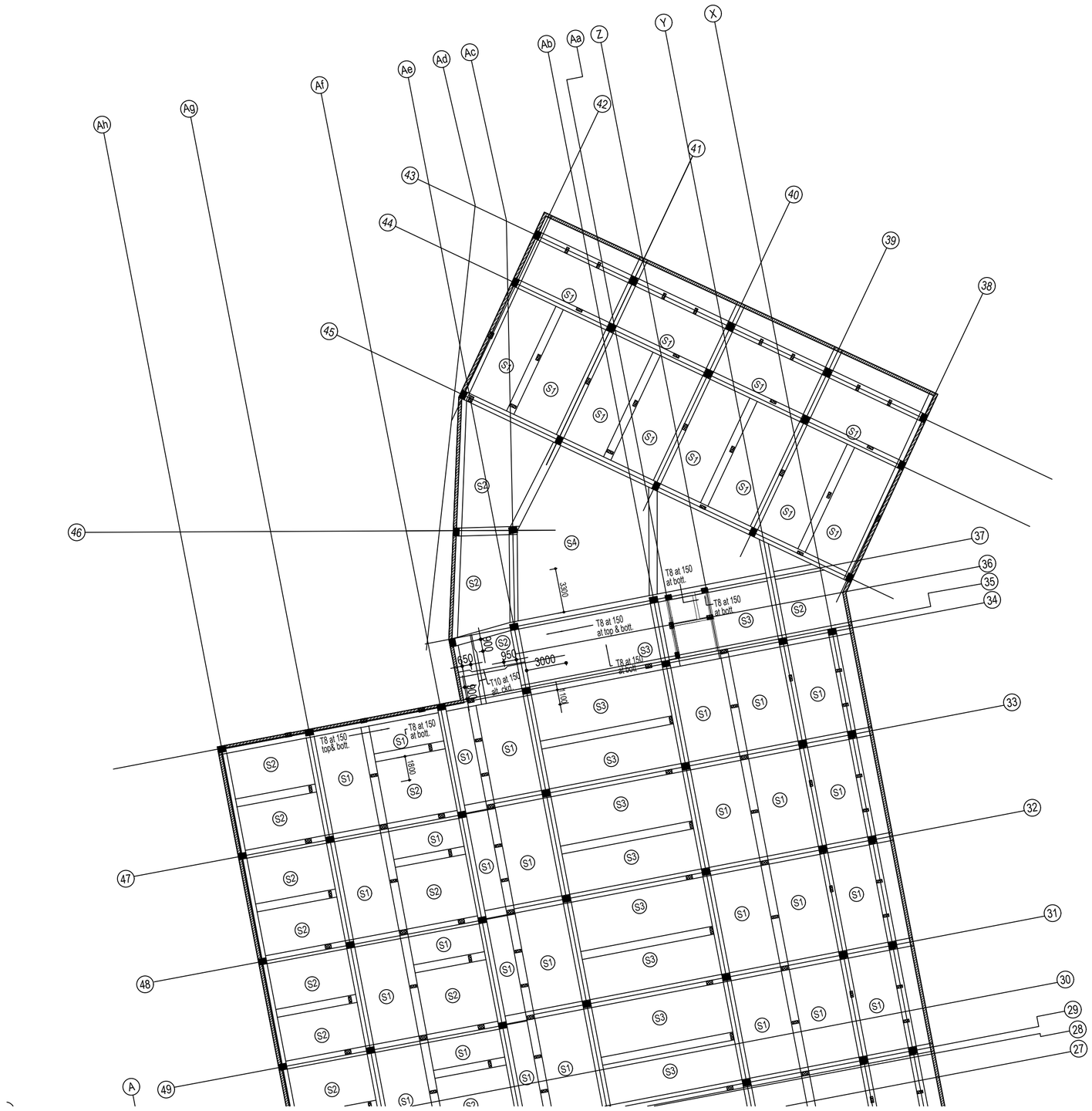

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DRAWING TITLE:

PODIUM SLAB DETAILS

DRAWN:	DESIGNED:	APPROVED:	STAGE:
ROHAN	HARI	G.G	APPROVAL
SCALE: 1:175	DATE: 05-12-2024	E-MAIL: gconchennai@gmail.com	

DRAWING NO: GC/GT/24223/SD/PSD/09

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