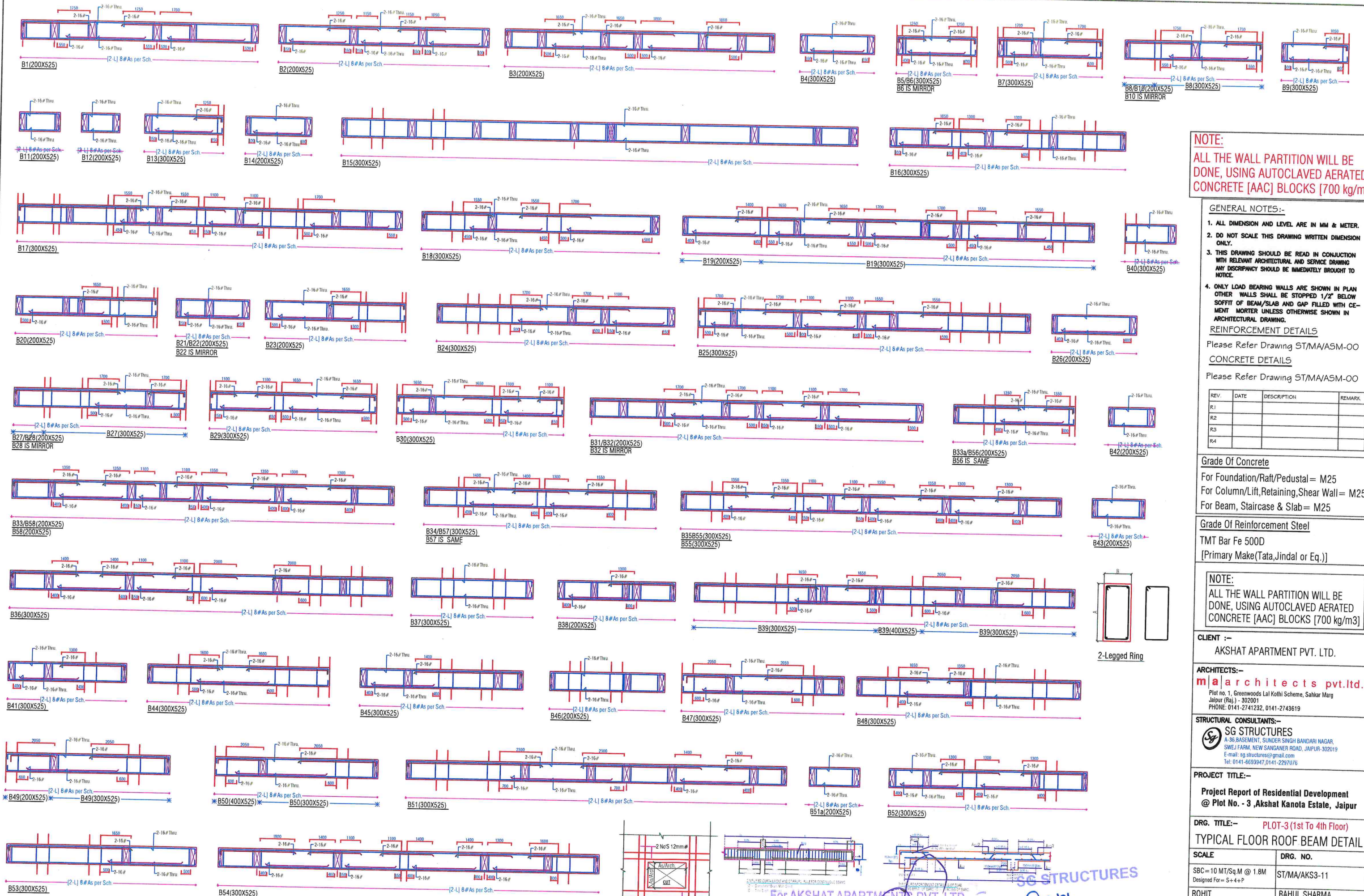




NOTE:
ALL THE WALL PARTITION WILL BE DONE, USING AUTOCLAVED AERATED CONCRETE [AAC] BLOCKS [700 kg/m³]

GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN MM & METER.
2. DO NOT SCALE THIS DRAWING WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

Please Refer Drawing ST/MA/ASM-00

CONCRETE DETAILS

Please Refer Drawing ST/MA/ASM-00

REV.	DATE	DESCRIPTION	REMARK
R1			
R2			
R3			
R4			

Grade Of Concrete

For Foundation/Raft/Pedestal = M25
For Column/Lift/Retaining, Shear Wall = M25
For Beam, Staircase & Slab = M25

Grade Of Reinforcement Steel

TMT Bar Fe 500D
[Primary Make (Tata, Jindal or Eq.)]

NOTE:

ALL THE WALL PARTITION WILL BE DONE, USING AUTOCLAVED AERATED CONCRETE [AAC] BLOCKS [700 kg/m³]

CLIENT :-

AKSHAT APARTMENT PVT. LTD.

ARCHITECTS:-

m | architects pvt.ltd.
Plot no. 1, Greenwoods Lal Kothi Scheme, Sakhar Marg
Jaipur (Raj.) - 302001
PHONE: 0141-2741232, 0141-2743619

STRUCTURAL CONSULTANTS:-

SG STRUCTURES
A-36 BASEMENT, SUNDER SINGH BANDARI NAGAR,
SWEJ FARM, NEW SANGANER ROAD, JAIPUR-302019
E-mail: sg_structures@gmail.com
Tel: 0141-6693947, 0141-2297076

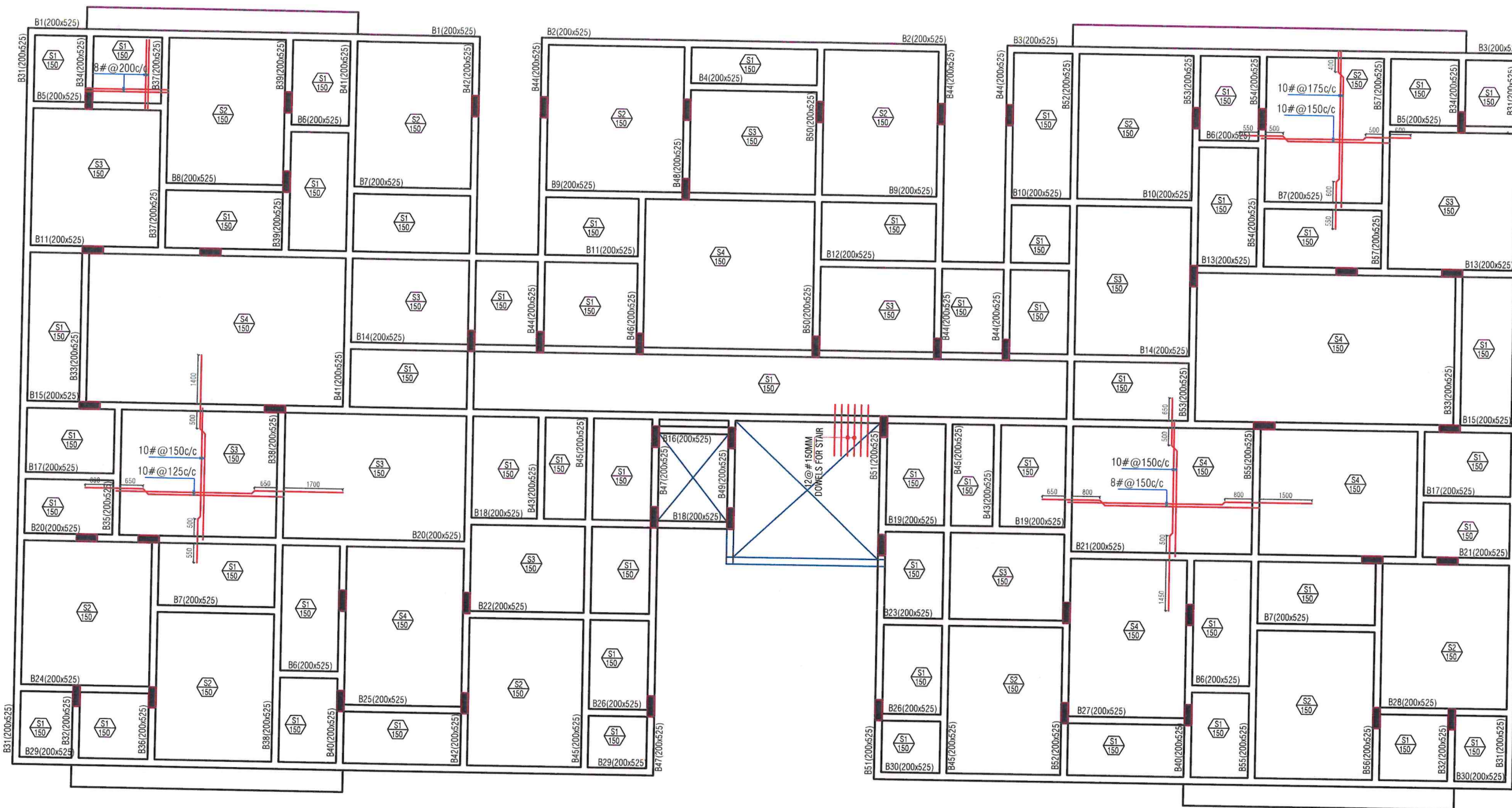
PROJECT TITLE:-

**Project Report of Residential Development
@ Plot No. - 3, Akshat Kanota Estate, Jaipur**

**DRG. TITLE:- PLOT-3 (1st To 4th Floor)
TYPICAL FLOOR ROOF BEAM DETAIL**

SCALE	DRG. NO.
SBC = 10 MT/Sq.M @ 1.8M Designed For = S+4+P	ST/MA/AKS3-11
ROHIT DRAFT BY	RAHUL SHARMA DESIGN BY.
RAHUL SHARMA CHK. BY.	MANISH GUPTA APPROVED BY.
DATE 08/04/2025 PRINT .../04/2025	JOB.NO. NORTH

SG STRUCTURES
For AKSHAT APARTMENTS PVT. LTD.
MANISH GUPTA
B.E./Civil M.Tech. [Stru.]
(JUNIL JAIN)
Director
DIN: 00155259



NOTE:
ALL THE WALL PARTITION WILL BE DONE, USING AUTOCLAVED AERATED CONCRETE [AAC] BLOCKS [700 kg/m³]

GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN MM & METER.
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REINFORCEMENT DETAILS

Please Refer Drawing ST/MA/ASM-00

CONCRETE DETAILS

Please Refer Drawing ST/MA/ASM-00

REV.	DATE	DESCRIPTION	REMARK
R1			
R2			
R3			
R4			

Grade Of Concrete

For Foundation/Raft/Pedestal = M25
For Column/Lift/Retaining, Shear Wall = M25
For Beam, Staircase & Slab = M25

Grade Of Reinforcement Steel

TMT Bar Fe 500D
[Primary Make (Tata, Jindal or Eq.)]

NOTE:

ALL THE WALL PARTITION WILL BE DONE, USING AUTOCLAVED AERATED CONCRETE [AAC] BLOCKS [700 kg/m³]

CLIENT :-

AKSHAT APARTMENT PVT. LTD.

ARCHITECTS:-

m | a | a | r | c | h | i | t | e | c | t | s | p | v | t | . | l | t | d .

Plot no. 1, Greenwoods Lal Kothi Scheme, Sahkar Marg
Jaipur (Raj.) - 302001
PHONE: 0141-2741232, 0141-2743619

STRUCTURAL CONSULTANTS:-

SG STRUCTURES
A-36, BASEMENT, SUNDER SINGH BANDARI NAGAR,
SWEET FARM, NEW SANGANER ROAD, JAIPUR-302019
E-mail: sg_structures@gmail.com
Tel: 0141-6693947, 0141-2297076

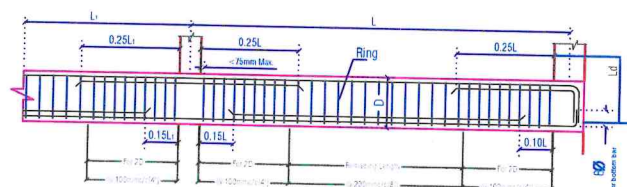
PROJECT TITLE:-

**Project Report of Residential Development
@ Plot No. - 3, Akshat Kanota Estate, Jaipur**

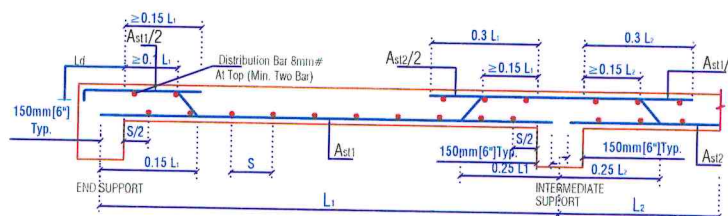
DRG. TITLE:- PLOT-3 (1st To 4th Floor)

TYPICAL FLOOR ROOF BEAM LAYOUT

SCALE	DRG. NO.
SBC= 10 MT/Sq.M @ 1.8M Designed For= S+4+P	ST/MA/AKS3-10
ROHIT DRAFT BY	RAHUL SHARMA DESIGN BY.
RAHUL SHARMA CHK. BY.	MANISH GUPTA APPROVED BY.
DATE 08/04/2025 PRINT .../04/2025	JOB.NO. NORTH



SIMPLIFIED CURTAILMENT AND STIRRUPS RULE FOR CONTINUOUS BEAMS
(Ø = Diameter of Beam Main Steel)
(D = Total Depth of Beam)

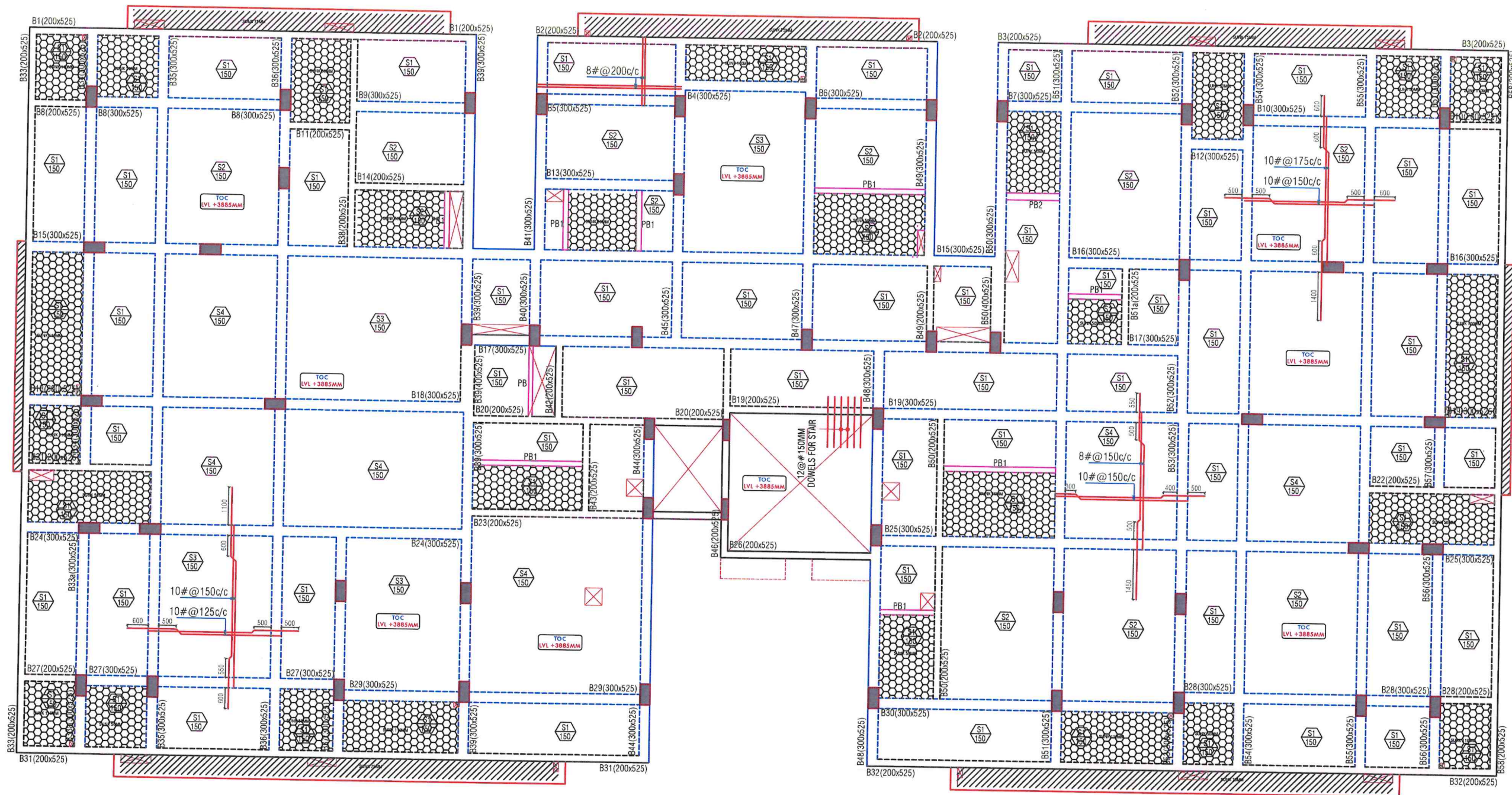


TYPICAL REINFORCEMENT DETAILING OF SLAB USING BENT-UP BARS (S = SPACING OF BARS)

For AKSHAT APARTMENTS PVT. LTD.

SUNIL JAIN
Director
DIN: 00155259

SG STRUCTURES
MANISH GUPTA
B.E. (Civil) M. Tech. (Str.)



NOTE:
ALL THE WALL PARTITION WILL BE DONE, USING AUTOCLAVED AERATED CONCRETE [AAC] BLOCKS [700 kg/m³]

GENERAL NOTES:-

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REINFORCEMENT DETAILS

Please Refer Drawing ST/MA/ASM-00

CONCRETE DETAILS

Please Refer Drawing ST/MA/ASM-00

REV.	DATE	DESCRIPTION	REMARK
R1			
R2			
R3			
R4			

Grade Of Concrete

For Foundation/Raft/Pedestal = M25
For Column/Lift/Retaining, Shear Wall = M25
For Beam, Staircase & Slab = M25

Grade Of Reinforcement Steel

TMT Bar Fe 500D
[Primary Make (Tata, Jindal or Eq.)]

NOTE:
ALL THE WALL PARTITION WILL BE DONE, USING AUTOCLAVED AERATED CONCRETE [AAC] BLOCKS [700 kg/m³]

CLIENT :-
AKSHAT APARTMENT PVT. LTD.

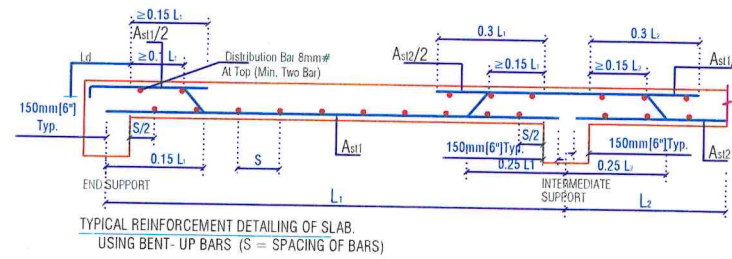
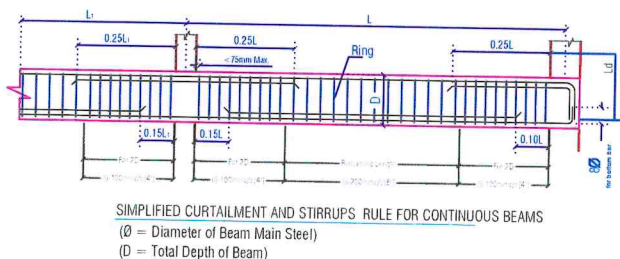
ARCHITECTS:-
m|a|architects pvt.ltd.
Plot no. 1, Greenwoods Lal Kothi Scheme, Sahkar Marg
Jaipur (Raj.) - 302001
PHONE: 0141-2741232, 0141-2743619

STRUCTURAL CONSULTANTS:-
SG STRUCTURES
A-36, BASEMENT, SUNDER SINGH BANDARI NAGAR,
SWAJI FARM, NEW SANGANER ROAD, JAIPUR-302019
E-mail: sg_structures@gmail.com
Tel: 0141-6693947, 0141-2297076

PROJECT TITLE:-
Project Report of Residential Development
@ Plot No. - 3, Akshat Kanota Estate, Jaipur

DRG. TITLE:-
PLOT-3
STILT FLOOR ROOF BEAM LAYOUT

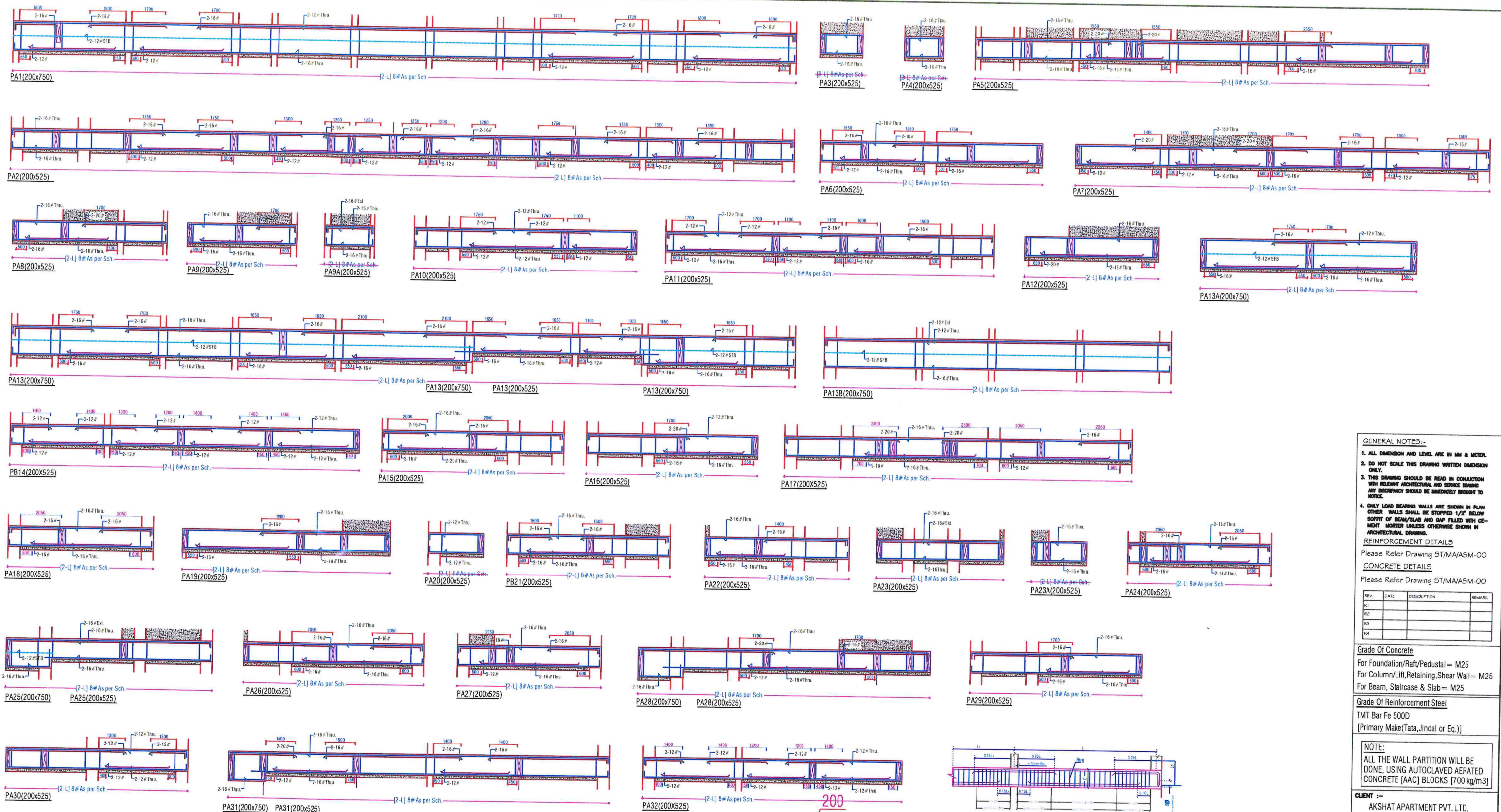
SCALE	DRG. NO.
SBC = 10 MT/Sq.M @ 1.8M Designed For = S + 4 + P	ST/MA/AKS3-08
ROHIT	RAHUL SHARMA
DRAFT BY	DESIGN BY
RAHUL SHARMA	MANISH GUPTA
CHK. BY	APPROVED BY
DATE 08/04/2025	JOB NO.
PRINT .../04/2025	NORTH



For AKSHAT APARTMENTS PVT. LTD.

SG STRUCTURES
MANISH GUPTA
B.E. (Civil) M.Tech. (Stru.)

SUNIL JAIN
DIPLOMA IN CIVIL ENGINEERING



GENERAL NOTES:-

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REINFORCEMENT DETAILS

Please Refer Drawing ST/MA/ASM-00

CONCRETE DETAILS

Please Refer Drawing ST/MA/ASM-00

REV.	DATE	DESCRIPTION	REMARK
R1			
R2			
R3			
R4			

Grade Of Concrete

For Foundation/Raft/Pedestal= M25

For Column/Lift/Retaining/Shear Wall= M25

For Beam, Staircase & Slab= M25

Grade Of Reinforcement Steel

TMT Bar Fe 500D

[Primary Make(Tata,Jindal or Eq.)]

NOTE:
ALL THE WALL PARTITION WILL BE DONE, USING AUTOCLAVED AERATED CONCRETE (AAC) BLOCKS [700 kg/m3]

CLIENT :-
AKSHAT APARTMENT PVT. LTD.

ARCHITECTS:-

ma|architects pvt.ltd.

Plot no. 1, Greenwoods Lal Kothi Scheme, Sakhar Marg

Jaipur (Raj) - 302001

PHONE: 0141-2741232, 0141-2743519

STRUCTURAL CONSULTANTS:-

SG STRUCTURES

A-36, ARCADE, SUNDAR SWAMI BHANDARI BUILDING,

SWETI FARM, NEW CANGIAHAR ROAD, JAIPUR 302019

E-mail: sg_structures@gmail.com

Tel: 0141-6639347, 0141-2297076

PROJECT TITLE:-

Project Report of Residential Development

@ Plot No. - 3, Akshat Kanota Estate, Jaipur

DRG. TITLE:-

PLINTH BEAM DETAIL

SCALE

SBC-10 MT/Sq M @ 1.8M

Designed For- S+4+P

PRINT .../03/2025

DATE 07/03/2025

JOB.NO.

NORTH

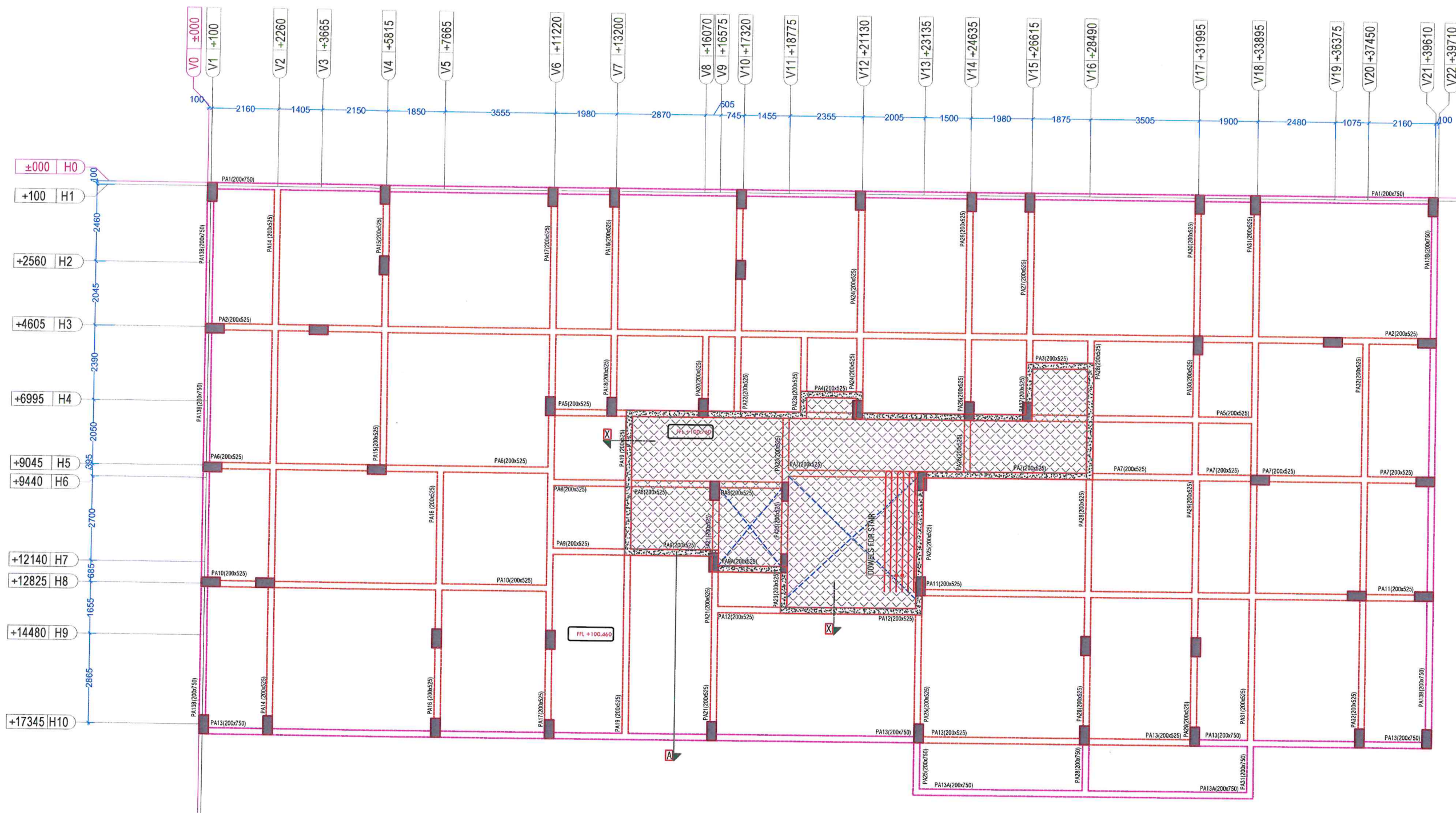
SG STRUCTURES

MANISH GUPTA

B.E.[civil] M.Tech.[Stru.]

For AKSHAT APARTMENTS PVT. LTD.

(SUNIL JAIN)
Director
DIN: 00155259



NOTE:
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Please Refer Drawing ST/MA/ASM-00

CONCRETE DETAILS

Please Refer Drawing ST/MA/ASM-00

REV.	DATE	DESCRIPTION	REMARK
R1			
R2			
R3			
R4			

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For Column/Lift, Retaining, Shear Wall = M25
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TMT Bar Fe 500D
[Primary Make (Tata, Jindal or Eq.)]

NOTE:
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CLIENT :-
AKSHAT APARTMENT PVT. LTD.

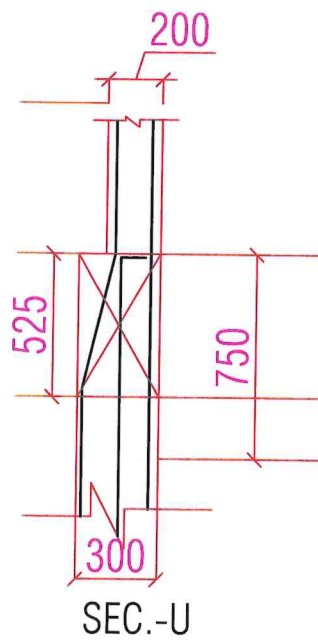
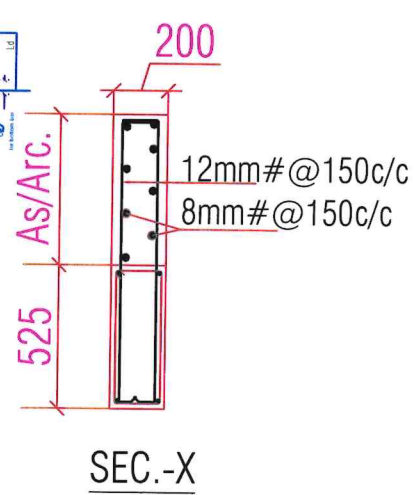
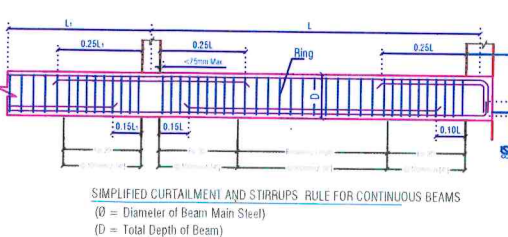
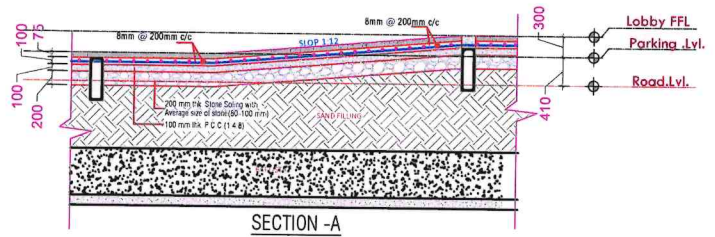
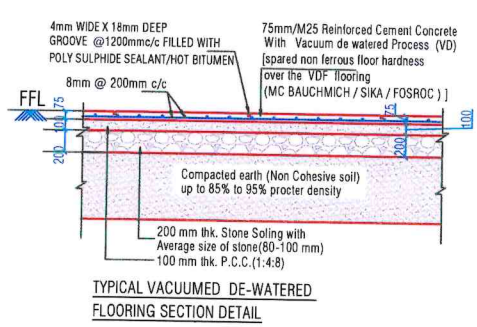
ARCHITECTS:-
ma architects pvt.ltd.
Plot no. 1, Greenwoods Lal Kothi Scheme, Sahkar Marg
Jaipur (Raj.) - 302001
PHONE: 0141-2741232, 0141-2743619

STRUCTURAL CONSULTANTS:-
SG STRUCTURES
A-36 BASEMENT, SUNDER SINGH BANDARI NAGAR,
SWEJ FARM, NEW SANGANER ROAD, JAIPUR-302019
E-mail: sg_structures@gmail.com
Tel: 0141-6693947, 0141-2297076

PROJECT TITLE:-
Project Report of Residential Development
@ Plot No. - 3, Akshat Kanota Estate, Jaipur

DRG. TITLE:- PLOT-3
PLINTH BEAM DETAIL

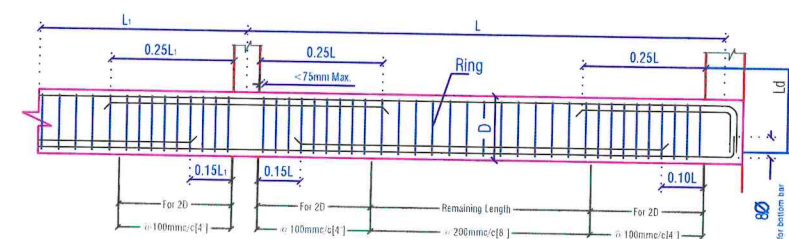
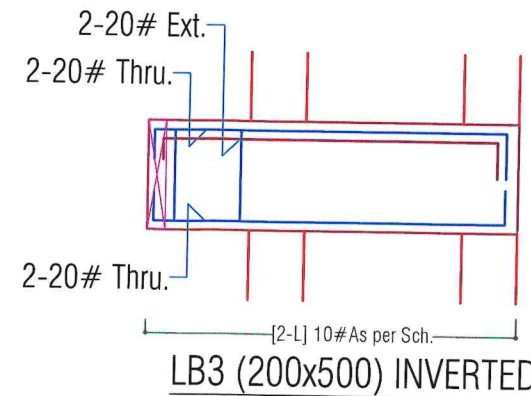
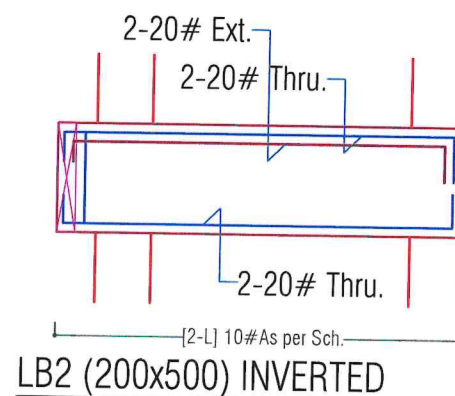
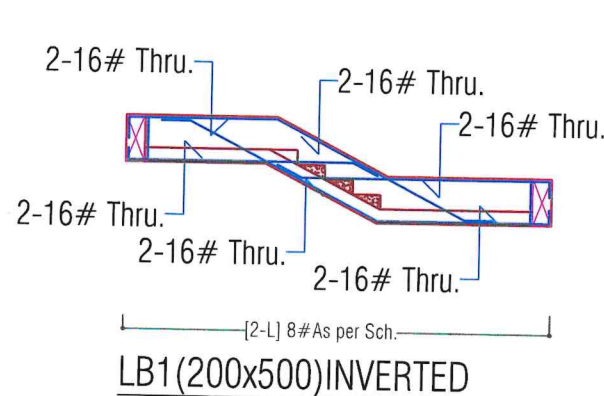
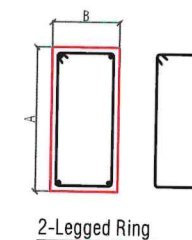
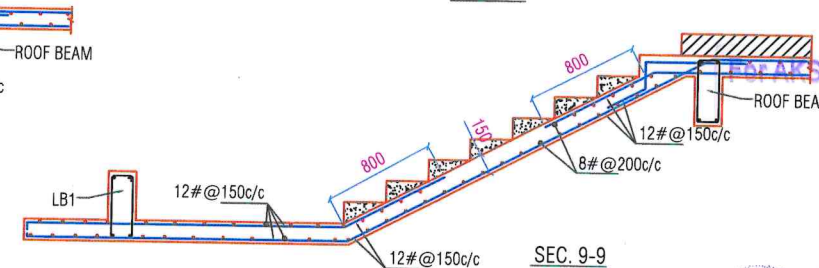
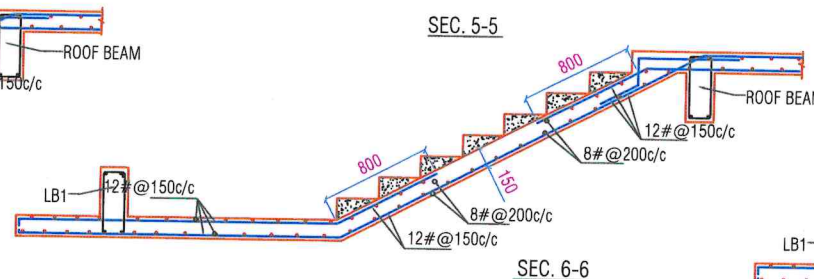
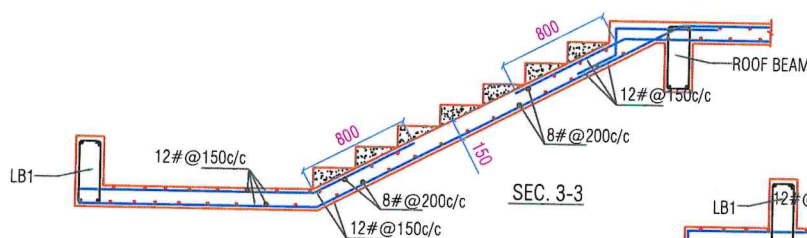
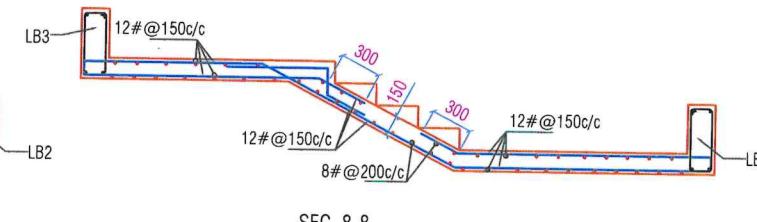
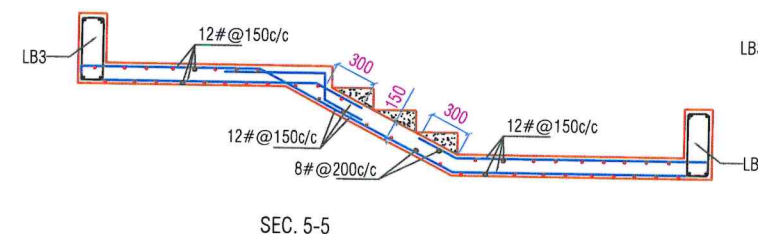
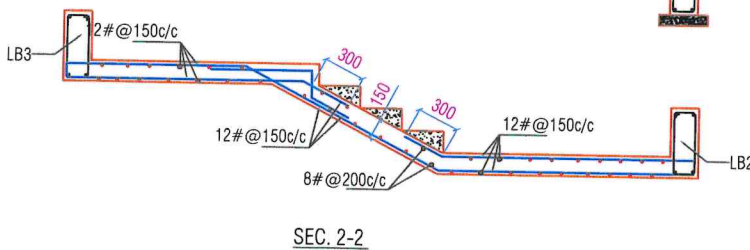
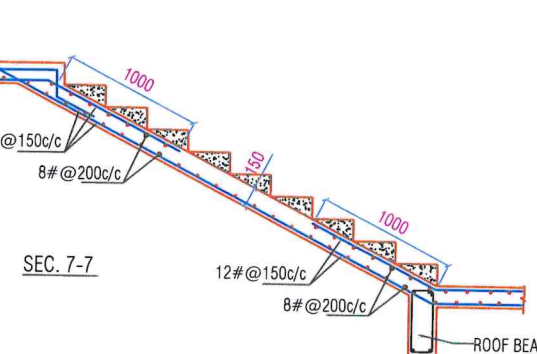
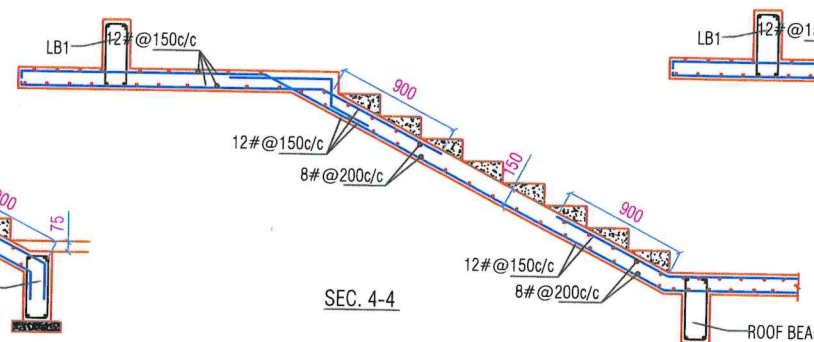
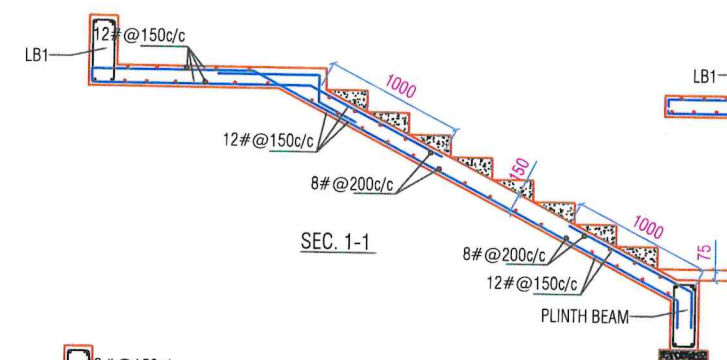
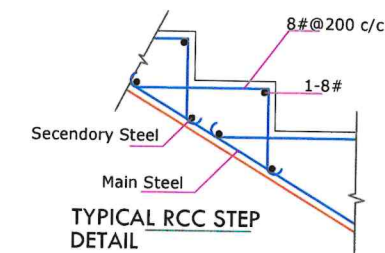
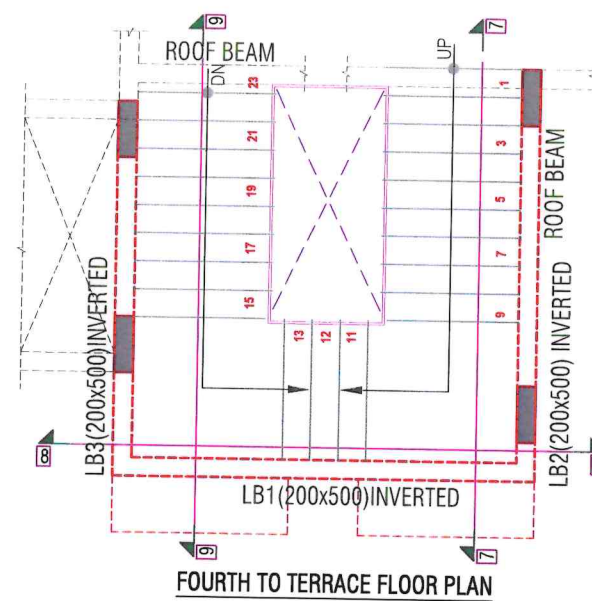
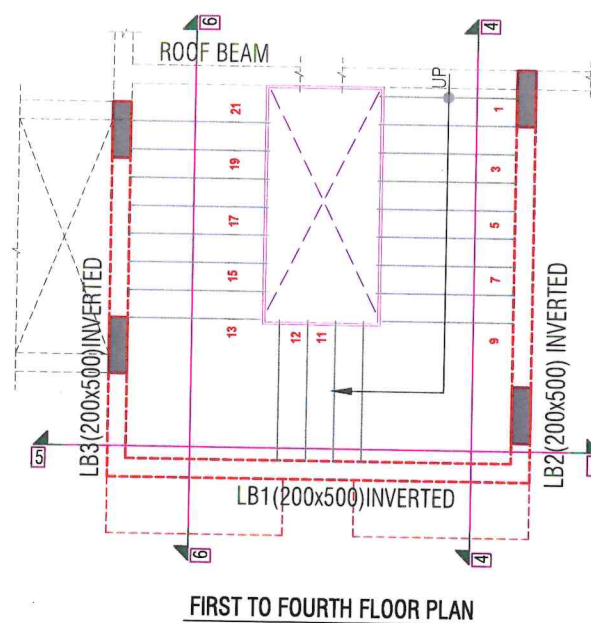
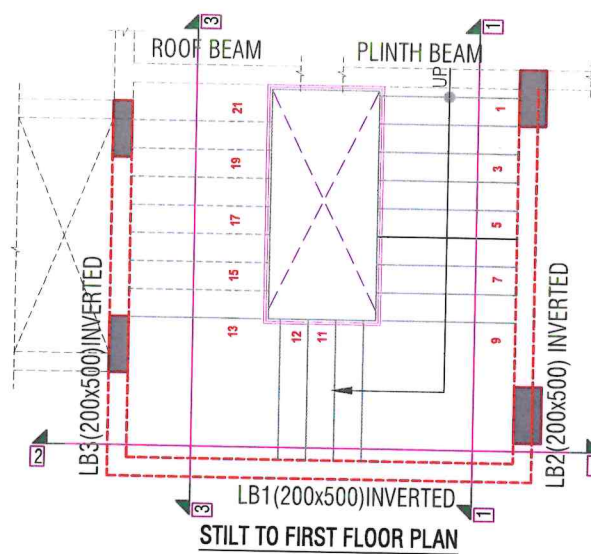
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SBC = 10 MT/Sq. M @ 1.8M Designed For = S+4+P	ST/MA/AKS3-06
PRITHVI SINGH CHOUHAN DRAFT BY	RAHUL SHARMA DESIGN BY
RAHUL SHARMA CHK. BY	MANISH GUPTA APPROVED BY
DATE 07/03/2025 PRINT .../03/2025	JOB.NO. NORTH



For AKSHAT APARTMENTS PVT. LTD.

(SUNIL JAIN)
Director
DIN: 00155259

SG STRUCTURES
MANISH GUPTA
B.E. (Civil) M.Tech. [Stru.]



(Ø = Diameter of Beam Main Steel)
(D = Total Depth of Beam)

GENERAL NOTES:-

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REINFORCEMENT DETAILS

Please Refer Drawing ST/MA/ASM-00

CONCRETE DETAILS

Please Refer Drawing ST/MA/ASM-00

REV.	DATE	DESCRIPTION	REMARK
R1			
R2			
R3			
R4			

Grade Of Concrete

For Foundation/Raft/Pedestal = M25

For Column/Lift/Retaining/Shear Wall = M25

For Beam, Staircase & Slab = M25

Grade Of Reinforcement Steel

TMT Bar Fe 500D

[Primary Make (Tata, Jindal or Eq.)]

(SUNIL JAIN) Director

DIN: 00155259

NOTE:

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CLIENT :-

AKSHAT APARTMENT PVT. LTD.

ARCHITECTS:-

m|a|architects pvt.ltd.

Plot No. 1, Greenwoods Lal Kothi Scheme, Sakhar Marg

Jaipur (Raj.) - 302001

PHONE: 0141-2741232, 0141-2743619

STRUCTURAL CONSULTANTS:-

SG STRUCTURES

A-36, BASEMENT, GUJDER SINGH BAHADUR BAGAR,

SWEET FARM, NEW SANGHANER ROAD, JAIPUR-302019

E-mail: sg_structures@gmail.com

Tel: 0141-6693947, 0141-2297976

PROJECT TITLE:-

Project Report of Residential Development

@ Plot No. - 3 Akshat Kanota Estate, Jaipur

DRG. TITLE:-

STAIR CASE DETAIL

PLOT-3

SCALE

SBC - 10 MT/Sq.M @ 1.8M

Designed For - S+4+P

ST/MA/AKS3-05

DALIP JANGIR

RAHUL SHARMA

DESIGN BY

MANISH GUPTA

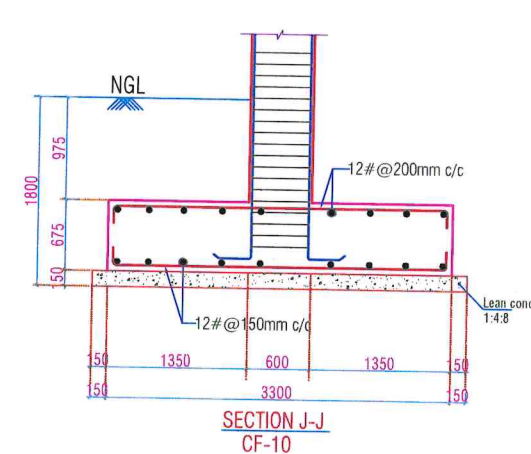
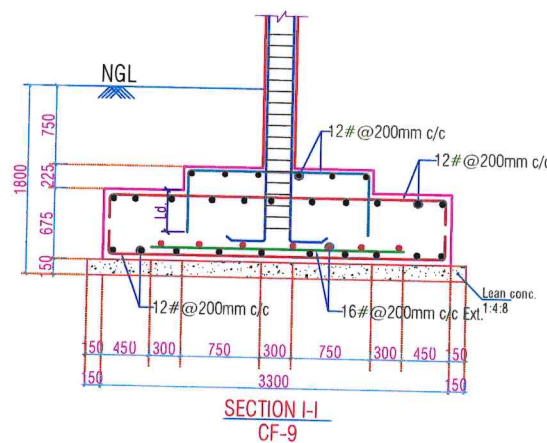
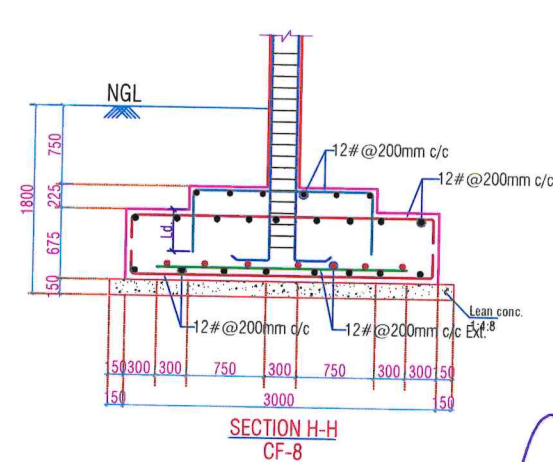
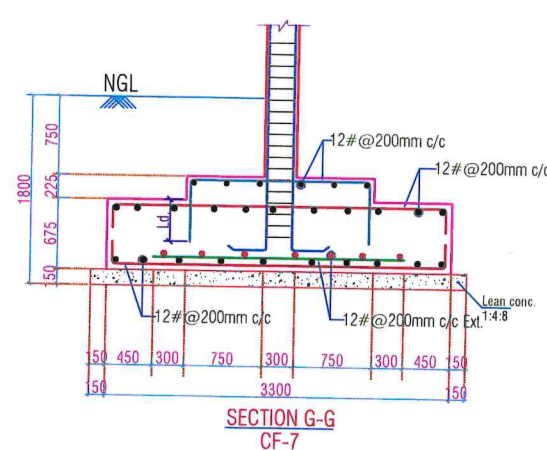
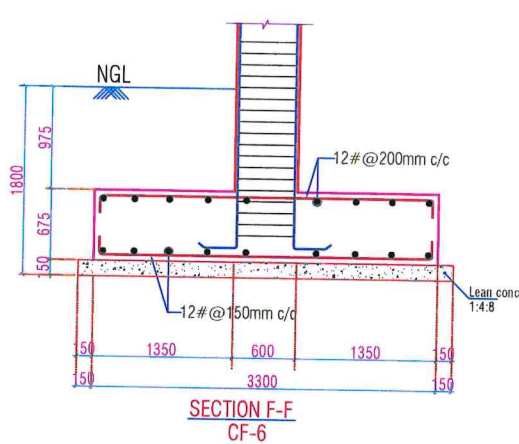
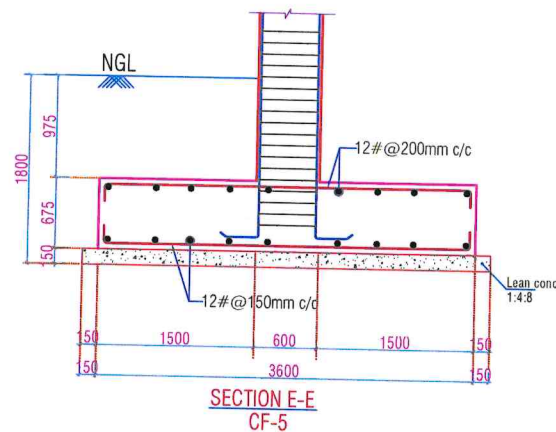
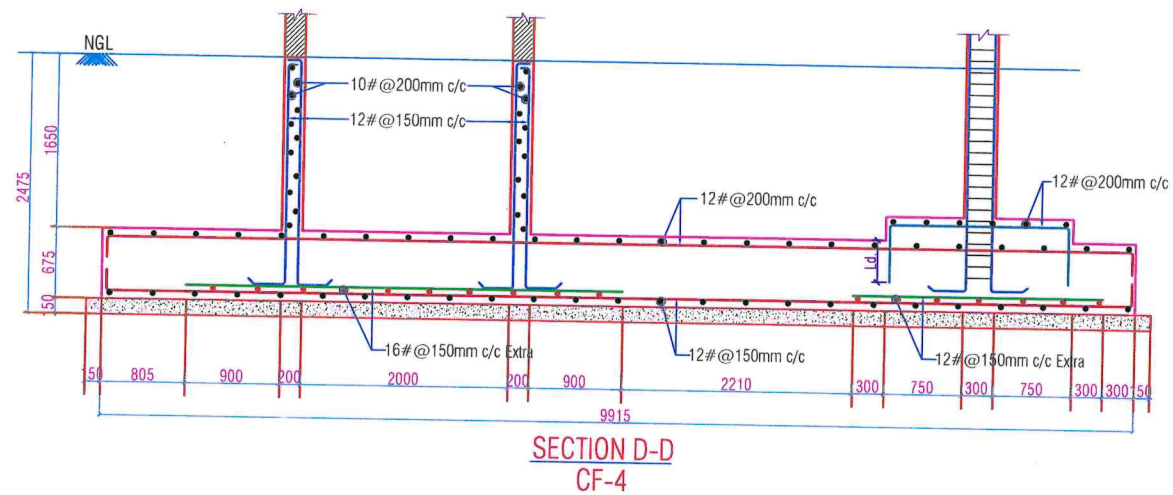
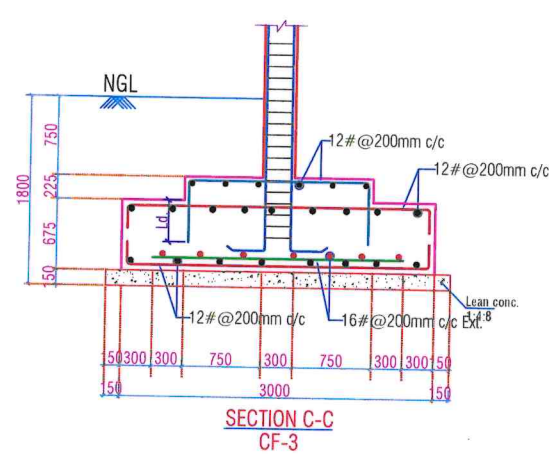
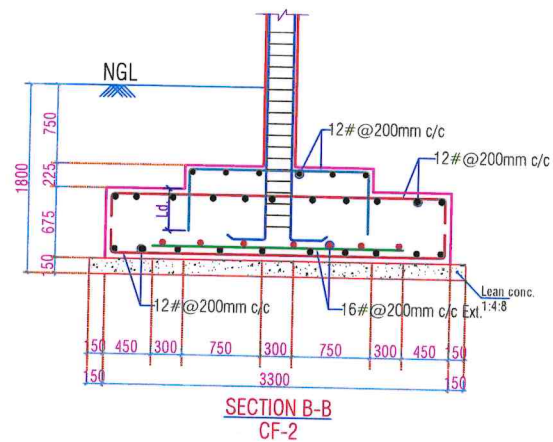
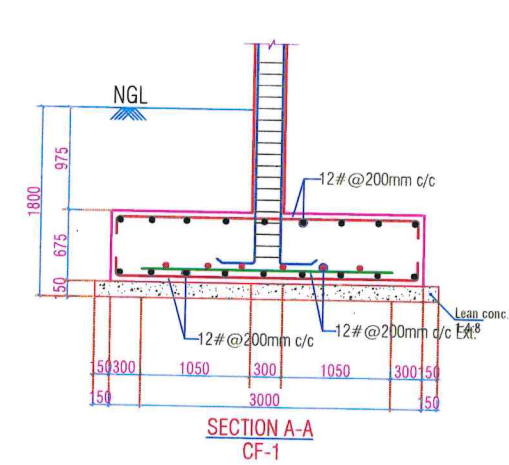
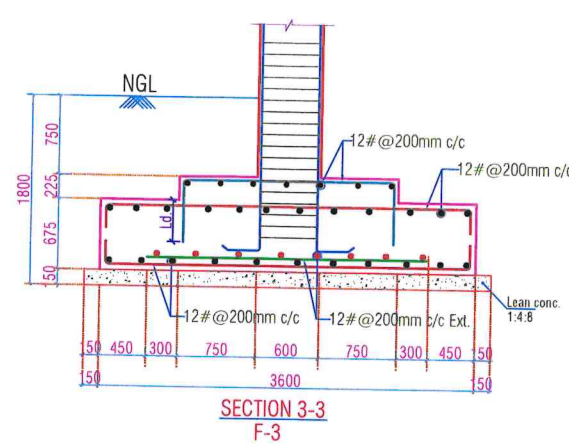
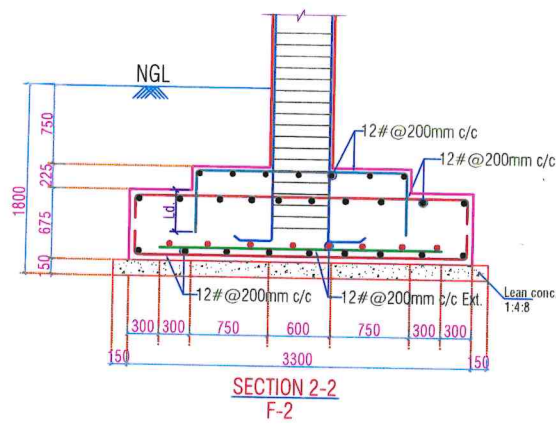
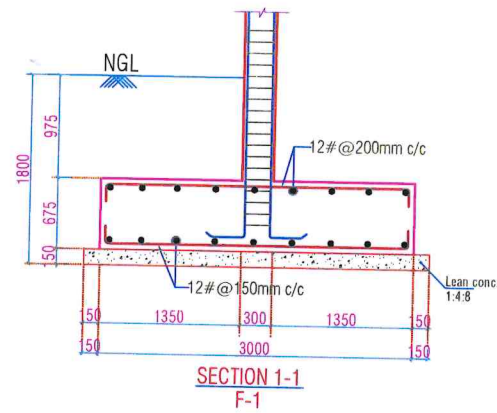
APPROVED BY

DATE 17/03/2025

PRINT .../03/2025

JOB.NO.

NORTH



GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN MM & METER.
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REINFORCEMENT DETAILS

Please Refer Drawing ST/MA/ASM-00

CONCRETE DETAILS

Please Refer Drawing ST/MA/ASM-00

REV.	DATE	DESCRIPTION	REMARK
R1			
R2			
R3			
R4			

Grade Of Concrete

For Foundation/Raft/Pedestal= M25

For Column/Lift/Retaining/Shear Wall= M25

For Beam, Staircase & Slab= M25

Grade Of Reinforcement Steel

TMT Bar Fe 500D

[Primary Make(Tata,Jindal or Eq.)]

NOTE:

ALL THE WALL PARTITION WILL BE DONE, USING AUTOCLAVED AERATED CONCRETE [AAC] BLOCKS [700 kg/m³]

CLIENT :-

AKSHAT APARTMENT PVT. LTD.

ARCHITECTS:-

m | architects pvt.ltd.

Plot no. 1, Greenwoods Lal Kothi Scheme, Sahkar Marg
Jaipur (Raj.) - 302001
PHONE: 0141-2741232, 0141-2743619

STRUCTURAL CONSULTANTS:-

SG STRUCTURES
A-36, BASEMENT, SUNDER SINGH BANDARI NAGAR,
SWEJ FARM, NEW SANGANER ROAD, JAIPUR-302019
E-mail: sg_structures@gmail.com
Tel: 0141-6693947, 0141-2297076

PROJECT TITLE:-

Project Report of Residential Development
@ Plot No. - 3, Akshat Kanota Estate, Jaipur

DRG. TITLE:-

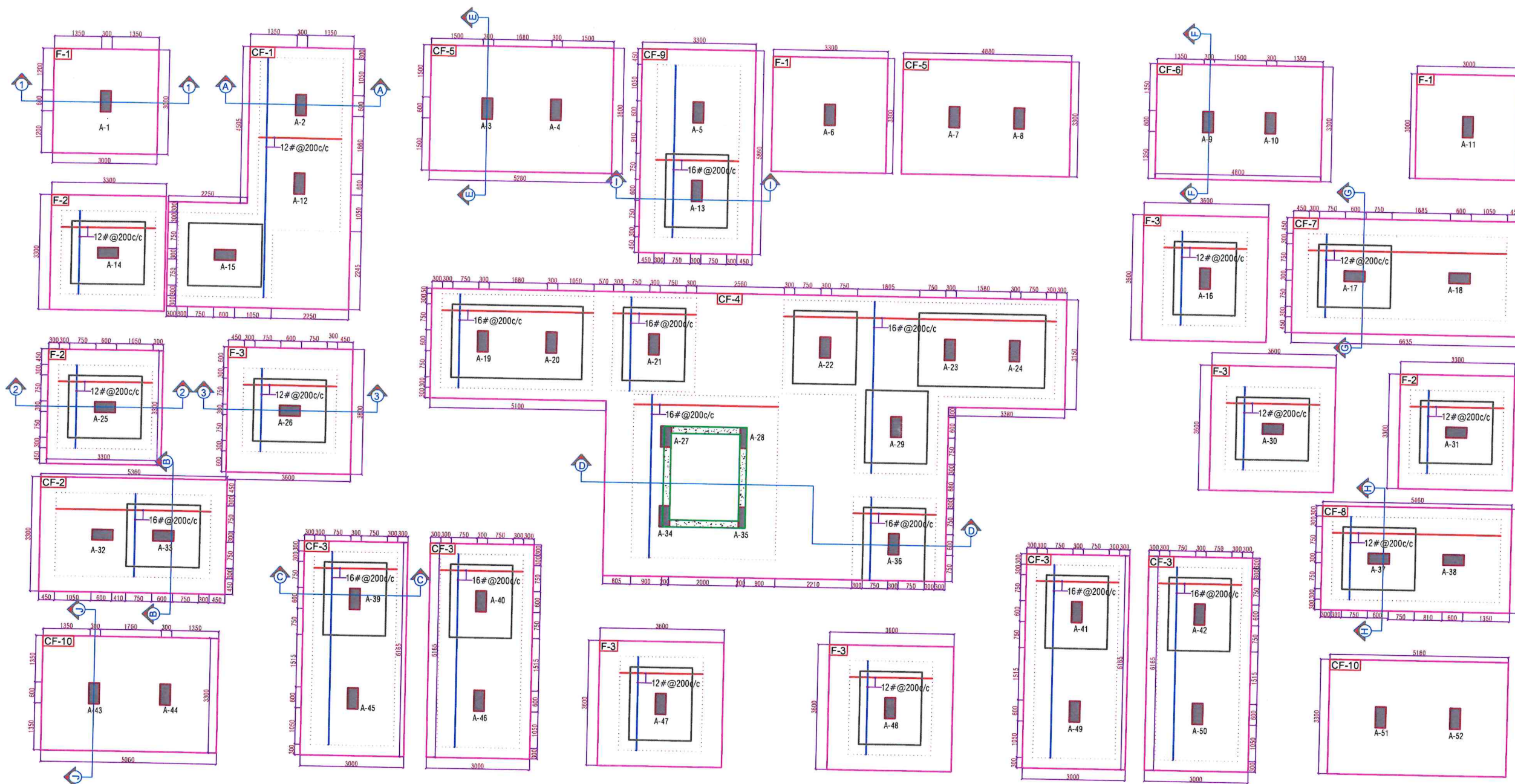
PLOT-3
FOUNDATION SECTION

SCALE	DRG. NO.
SBC=10 MT/Sq.M @ 1.8M Designed For= S+4+P	ST/MA/AKS3-04
ASHOK KUMAR DRAFT BY	RAHUL SHARMA DESIGN BY.
RAHUL SHARMA CHK. BY.	MANISH GUPTA APPROVED BY.
DATE 25/02/2025 PRINT .../02/2025	JOB.NO. NORTH

For AKSHAT APARTMENTS PVT. LTD.

(UNIL JAIN)
Director
DIN: 00111119

SG STRUCTURES
Dinist
MANISH GUPTA
B.E. (Civil) M. Tech. (Struc.)



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Please Refer Drawing ST/MA/ASM-00

CONCRETE DETAILS

Please Refer Drawing ST/MA/ASM-00

REV.	DATE	DESCRIPTION	REMARK
R1			
R2			
R3			
R4			

Grade Of Concrete

For Foundation/Raft/Pedestal = M25

For Column/Lift, Retaining, Shear Wall = M25

For Beam, Staircase & Slab = M25

Grade Of Reinforcement Steel

TMT Bar Fe 500D

[Primary Make(Tata, Jindal or Eq.)]

NOTE:

ALL THE WALL PARTITION WILL BE DONE, USING AUTOCLAVED AERATED CONCRETE [AAC] BLOCKS [700 kg/m³]

CLIENT :-

AKSHAT APARTMENT PVT. LTD.

ARCHITECTS:-

marchitects pvt.ltd.
Plot no. 1, Greenwoods Lal Kothi Scheme, Sahkar Marg
Jaipur (Raj.) - 302001
PHONE: 0141-2741232, 0141-2743619

STRUCTURAL CONSULTANTS:-

SG STRUCTURES
A-36 BASEMENT, SUNDER SINGH BANDARI NAGAR,
SWEJ FARM, NEW SANGANER ROAD, JAIPUR-302019
E-mail: sg_structures@gmail.com
Tel: 0141-6693947, 0141-2297076

PROJECT TITLE:-

Project Report of Residential Development
@ Plot No. - 3, Akshat Kanota Estate, Jaipur

DRG. TITLE:- **PLOT-3**
FOUNDATION LAYOUT

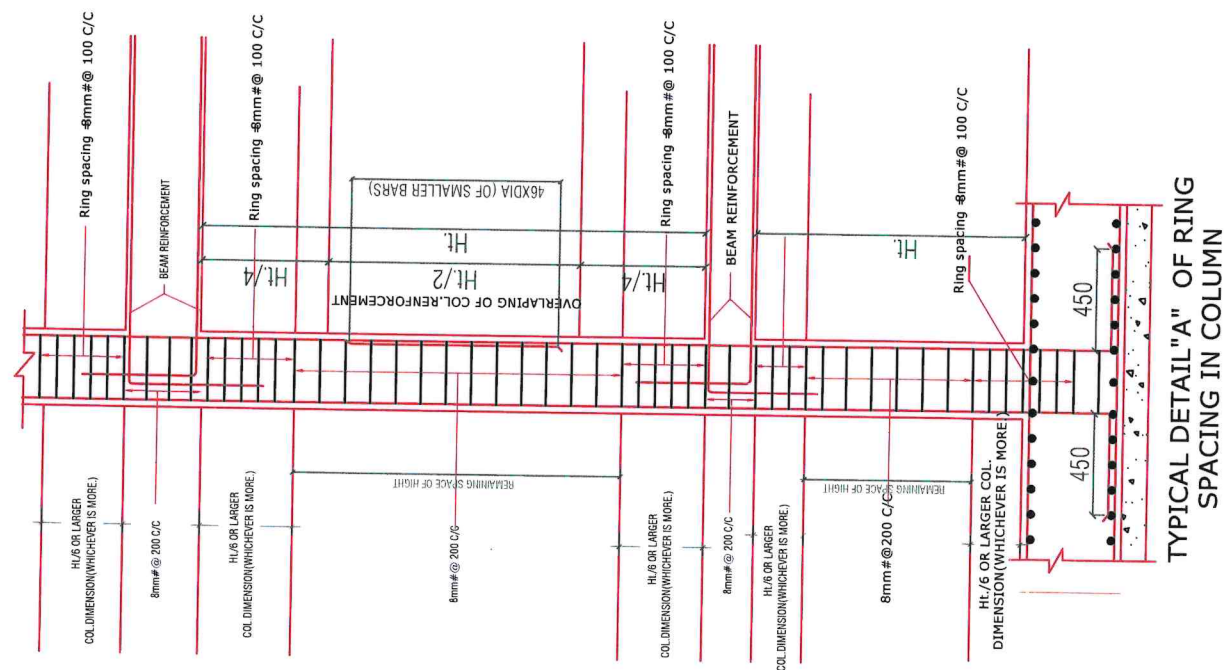
SCALE	DRG. NO.
SBC=10 MT/Sq.M @ 1.8M Designed For= S+4+P	ST/MA/AKS3-03
ASHOK KUMAR DRAFT BY	RAHUL SHARMA DESIGN BY
RAHUL SHARMA CHK. BY	MANISH GUPTA APPROVED BY
DATE 25/02/2025 PRINT .../02/2025	JOB.NO. NORTH

For AKSHAT APARTMENTS PVT. LTD.

SUNIL JAIN
Director
DIN: 001552

SG STRUCTURES
MANISH GUPTA
B.E.(civil) M.Tech.(Stru.)

COLUMN	A-1/A-11.	A-2/A-12/A-32/A-38.	A-3/A-4/A-7/A-8/A-9/A-10. A-44/A-51.	A-5/A-6/A-13/A-17/A-33. A-37/A-45/A-46/A-49/A-50.	A-14/A-18/A-25/A-31/A-47. A-48.	A-15/A-16/A-39/A-40/A-41. A-42.	A-19/A-21/A-22/A-24.	A-26/A-30.	A-20/A-23/A-27/A-29/A-34. A-36/A-43/A-52.	A-28/A-35.
Foundation To 1st. Floor		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"
1st. Floor To 2nd. Floor		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"
2nd. Floor To 3rd. Floor		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"
3rd. Floor To 4th. Floor		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"
4th. Floor To (Terrace)		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"		As Per Detail "A"



For AKSHAT APARTMENTS PVT. LTD.

SG STRUCTURES
MANISH GUPTA
B.E.(civil) M.Tech.(Stru.)

SUNIL JAIN
Director
DIN: 00155259

GENERAL NOTES:-

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REINFORCEMENT DETAILS

Please Refer Drawing ST/MA/ASM-00

CONCRETE DETAILS

Please Refer Drawing ST/MA/ASM-00

REV.	DATE	DESCRIPTION	REMARK
R.1			
R.2			
R.3			
R.4			

Grade Of Concrete

For Foundation/Raft/Pedestal= M25
For Column/Lift,Retaining,Shear Wall= M25
For Beam, Staircase & Slab= M25

Grade Of Reinforcement Steel

TMT Bar Fe 500D
[Primary Make(Tata,Jindal or Eq.)]

NOTE:

ALL THE WALL PARTITION WILL BE DONE, USING AUTOCLAVED AERATED CONCRETE [AAC] BLOCKS [700 kg/m3]

CLIENT :-

AKSHAT APARTMENT PVT. LTD.

ARCHITECTS:-

m | architects pvt.ltd.
Plot no. 1, Greenwoods Lal Kothi Scheme, Sahkar Marg
Jaipur (Raj.) - 302001
PHONE: 0141-2741232, 0141-2743619

STRUCTURAL CONSULTANTS:-

SG STRUCTURES
A-36 BASEMENT, SUNDER SINGH BANDARI NAGAR,
SWEET FARM, NEW SANGANER ROAD, JAIPUR-302019
E-mail: sg_structures@gmail.com
Tel: 0141-6693947, 0141-2297076

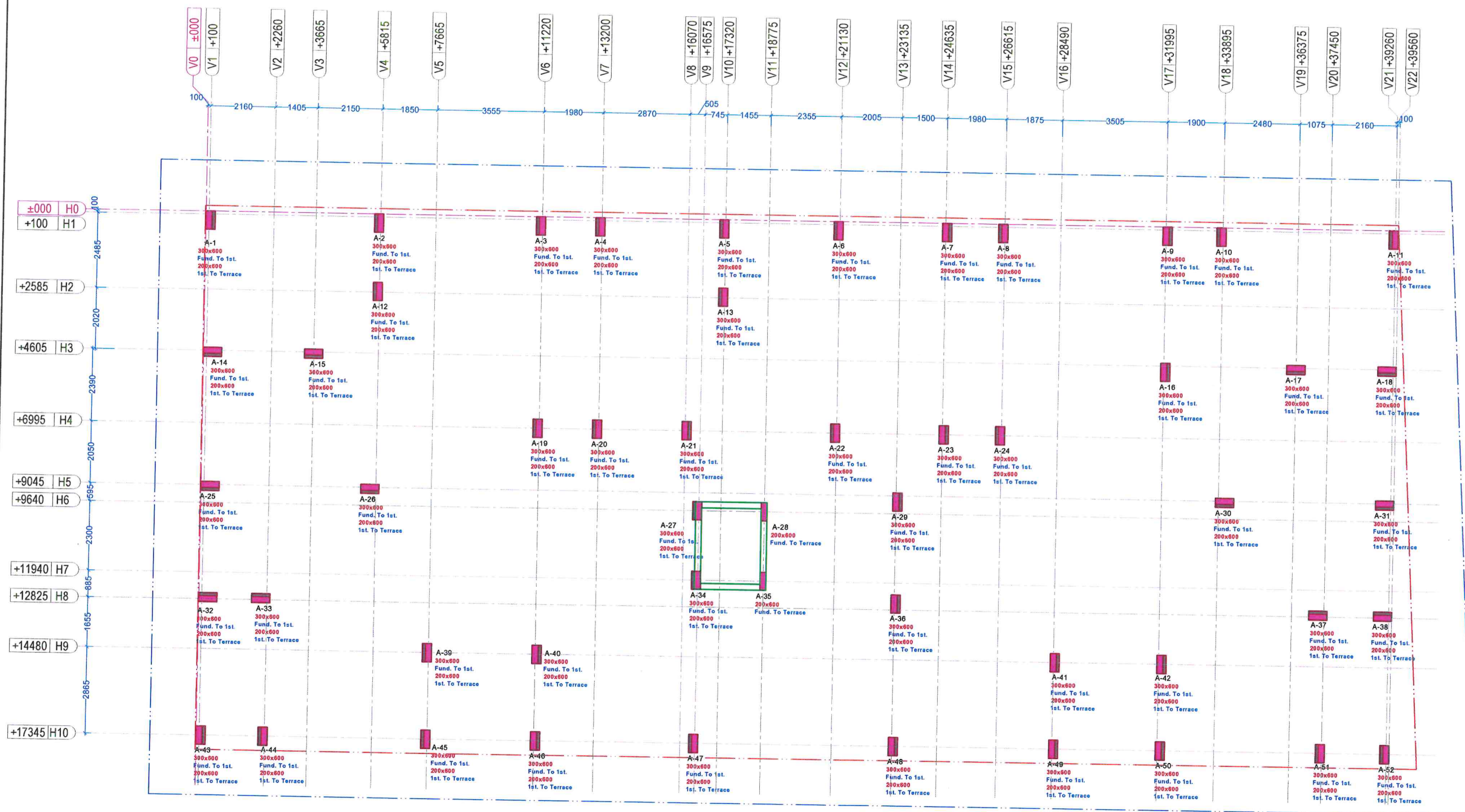
PROJECT TITLE:-

Project Report of Residential Development
@ Plot No. - 3, Akshat Kanota Estate, Jaipur

DRG. TITLE:-

COLUMN SCHEDULE **PLOT-3**

SCALE	DRG. NO.
SBC=10 MT/Sq.M @ 1.8M Designed For= S+4+P	ST/MA/AKS3-02
ASHOK KUMAR DRAFT BY	RAHUL SHARMA DESIGN BY.
RAHUL SHARMA CHK. BY.	MANISH GUPTA APPROVED BY.
DATE 25/02/2025 PRINT .../02/2025	JOB.NO. NORTH



GENERAL NOTES:-

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REINFORCEMENT DETAILS

Please Refer Drawing ST/MA/ASM-00

CONCRETE DETAILS

Please Refer Drawing ST/MA/ASM-00

REV.	DATE	DESCRIPTION	REMARK
R1			
R2			
R3			
R4			

Grade Of Concrete	
-------------------	--

For Foundation/Raft/Pedestal= M25

For Column/Lift, Retaining, Shear Wall = M25

For Beam, Staircase & Slab= M25

Grade Of Reinforcement Steel

TMT Bar Fe 500D

[Primary Make(Tata,Jindal or Eq.)]

NOTE:

ALL THE WALL PARTITION WILL BE
DONE, USING AUTOCLAVED AERATED
CONCRETE [AAC] BLOCKS [700 kg/m³]

CLIENT :-

AKSHAT APARTMENT PVT. LTD.

ARCHITECTS:—

m | a | a r c h i t e c t s pvt.ltd.

Plot no. 1, Greenwoods Lal Kolhi Scheme, Sahkar Marg
Jaipur (Raj.) - 302001
PHONE: 0141-2741232, 0141-2743619

STRUCTURAL CONSULTANTS:-

 **SG STRUCTURES**
A-36, BASEMENT, SUNDER SINGH BANDARI NAGAR,
SWEJ FARM, NEW SANGANER ROAD, JAIPUR-302019
E-mail: sg_structures@gmail.com
Tel: 0141-6693947, 0141-2297076

PROJECT TITLE:-

**Project Report of Residential Development
@ Plot No. - 3 ,Akshat Kanota Estate, Jaipur**

DRG. TITLE:-
COLUMN LAYOUT

SCALE	DRG. NO.	
6BC=10 MT/Sq.M @ 1.8M Designed For= S+4+P	ST/MA/AKS3-01	
DRAFT BY RAHUL KUMAR	RAHUL SHARMA DESIGN BY.	
RAHUL SHARMA CHK. BY.	MANISH GUPTA APPROVED BY.	
DATE 25/02/2025	JOB.NO.	NORTH
PRINT .../02/2025		

For AKSHAT APARTMENTS PVT. LTD.

(SUNIL JAIN)
Director
PIN: 0015

SG STRUCTURES

MANISH GUPTA
B.E.[civil] M.Tech.[Stru.]

GENERAL NOTES

- Contractor to check and verify all dimensions before execution of the work.
- All dimensions are given in Meters unless otherwise specified.
- Figured dimensions shall be followed.
- Executive authority shall check the drawing before tracing execution in hand.
- All structural drawings shall be read in conjunction with relevant architectural drawings. Any discrepancy between them observed shall be brought to the notice of the accepting officer for necessary clarification.
- Any variation between the details given in the structural drawing and the details shown in the architectural drawing shall be brought to the notice of the accepting officer for necessary clarification.
- All reinforcement for RCC work shall be TMT Grade Fe 500D conforming to IS : 1786-2008.
- The foundation has been designed as Raft footing.
- The SBC has been taken as 10MT/Sq.m at a depth of 1.8 Meter Below Natural Ground level.
- While laying foundation, contractor shall make suitable arrangements to lower the subsoil water (if any) below the foundation level. Foundation concrete shall always be provided under foundation of all RCC / masonry structural.
- Lean concrete in PCC as per specified to min thickness (unless otherwise specified or shown in DRG) shall always be provided under foundation of all RCC / masonry structure.
- Unless otherwise mentioned, lintels over opening / jalis niches shall be provided as per typical DRG of lintels and chajjas.
- RCC lintel band over full and half block thick wall shall be provided continuously at lintel level (2.1 M above FFL) under sl no. 11 above and where height of solid wall exceeds 2.4 M.
- Water used for mixing and curing of concrete work shall conform to quality criteria specified in IS : 456-2000.
- Unless otherwise specified, the structural concrete shall be M 25 for all structural members (design mix concrete conforming to the acceptance criteria given in IS : 456-2000).
- Form working for concrete shall be rigidly constructed of approved materials and shall be true to the shape and dimensions of the finished members and water tight. Form work shall be designed for all imposed loads (dead, live, constructional, wind, vibration, impact, fluid pressure etc.)
- Form work shall be supported on closely spaced stiff props adequately braced in plan and firmly placed on sub-base ground not liable to settle under loads.
- Aggregate to be used in structural concrete shall be crushed/broken stone as coarse aggregates, river/PIT sand/stone dust as fine aggregates conforming to grading and other quality criteria as specified in IS : 383.
- Strength of hollow blocks/solid blocks shall not be less than 35 kg/cm² and 45 kg/cm² respectively.
- All plinth beams shall be cast over 6" thick PCC 1:4:8 width of beam plus 6" wide on either side directly resting on fully compacted earth.
- All existing walls and wall below plinth level shall be constructed with solid blocks.
- Wall shall be constructed over PB as shown in the drawing where PB is not available, wall shall rest over dwarf wall / foundation.
- The missing details, if any in structural DRG but technically required based on sound engineering practice, must be followed and read in construction with relevant drawing.
- In beams, wherever reinforcement bars are provided in two or more layers, space bars of 25 # @ 4" c/c shall be provided between the reinforcement layers.
- PCC lean concrete below foundation shall have 6" offset on all sides. Wherever the gap between two footings is less than 8", the whole gap shall be filled with lean concrete.
- Clear cover to all reinforcement shall be as under:

PARTICULAR	BOTTOM	TOP	SIDES
SLAB	3/4"(20MM.)	2/3"(15MM.)	
FOOTING	2"(50MM.)	2"(50MM.)	2"(50MM.)
RETAINING WALL		1"(25MM.)	1 1/2"(40MM.) (EARTH SIDE) 2/3"(15MM.) (IN SIDE)
COLUMNS			1 1/2"(40MM.)
BEAMS, LINTEL	1"(25MM.)	1"(25MM.)	1"(25MM.)
WALLS, FLOOR SLAB & ROOF SLAB OF WATER TANK.			1 1/2"(40MM.) (ON WATER FACE) 1 1/2"(40MM.) (ON EARTH SIDE) WHERE APPLICABLE

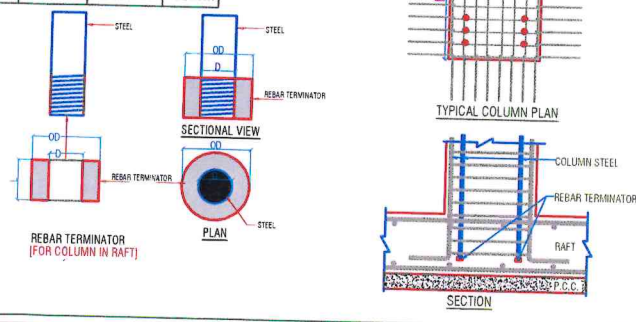
- The building has been designed as per IS : 1893-2016 and IS : 456-2000 considering earthquake zone II for JAIPUR, Rajasthan.
- Admixtures :
 - AD MIXTURE IF USED SHALL COMPLY WITH IS : 9103
 - It should not impair durability of concrete
 - The workability, compressive strength & the slump loss of concrete with & without the use of admixture shall be established during trial mixes before its use.
 - Preparation of mix using admixture is to be as per manufacturer's instructions.
- For any other details not shown / indicated on DRG. Shall be as per IS 456-2000, IS 1893 : 2016.

REINFORCEMENT DETAILING

- All reinforcement shall be terminated with straight length or L shape unless otherwise specified.
- The horizontal distance between two parallel main reinforcement bars shall not be less than dia of the larger dia bar or 5 mm more than nominal size of coarse aggregate, whichever is more. Spacing of long bars measured along periphery of the col. Shall exceed 300 mm.
- First main / secondary bar in a slab shall be placed along the center line of the span and other spaced as specified in the DRG covering the entire span between center line of supports.
- In beam / lintels, first stirrup shall be at the center of span and subsequent ones at the spacing indicated in the DRGS.
- Temperature reinforcement (distribution steel in slab where not shown in drawing shall be 0.12% (or) unless otherwise specified 8 # @ 300 c/c shall be provided as binders in top portion of slab reinforcement and placed parallel to support.
- Positive reinforcement in shorter direction in middle position region for negative reinforcement.
- Min 3 nos 8 mm # diagonal bars shall be provided at the corners of freely supported or non continuous edges of slab.
- Unless otherwise specified side face reinforcement shall be provided for all beams of depth exceeding 750 mm as per IS : 456-2000, or as shown in drawing.
- Anchorage length :- all RCC structure elements (column, cantilevered beams & slab) shall have their main reinforcement suitably anchored to provide the full development length (42 x d for tension & 36 x d for compression for M 30 mix concrete & FE 550d) provide the full development length (40 x d for tension & 32 x d for compression for M 35 mix concrete & FE 550d)
- No laps shall be provided in the high stress zones listed below.
 - Middle 1/3 span of slabs / beams in case of positive reinforcement.
 - 0.3 L of span from the supports in case of beams / slabs for negative reinforcement.
 - 0.25 L from the supports / junction in case of longitudinal reinforcement for column.
 - Not more than 40% bars shall be lapped at any one section.
 - Laps shall be staggered with min distance equal to 1.3 times the lap length between two lap section.
- Lap length :- unless specified, lap splice shall be provided for all bars less than 36 mm dia (bars of more than 36 mm dia shall be welded)
 - Tor steel [M30 & Fe550] 42 x dia 36 x dia
 - Tor steel [M35 & Fe550] 40 x dia 32 x dia
- When bars of different dia area to be spliced lap length shall be calculated on basis of smaller dia.
- Splice of bars in columns shall be avoided as far as possible. Where inescapable laps shall be provided after interval of two stories.
- For the floor and rafter slabs, chair supports shall be provided to maintain vertical spacing between top and bottom reinforcement bar.
- 3 x 10 # or 2 x 12 # bars shall be longitudinally provided in the RCC floor slab where partition / panel walls are supported on them.
- Dowel bars shall be held firmly in position to avoid dislocation and loss of bond due to vibration during construction stage.
- In pushed construction vertical reinforcement of columns (dowels) shall be extended (and left) beyond slab min 50 times the dia of bars with at least 50 % bars extending up to 100 times the dia of the bar unless otherwise specified.
- Top of all construction slabs shall be kept at the same level similarly soffits of all adjoining cantilevered projection shall be at the same level.
- SPLICING OF COLUMN BARS AT INTERMEDIATE FLOOR.

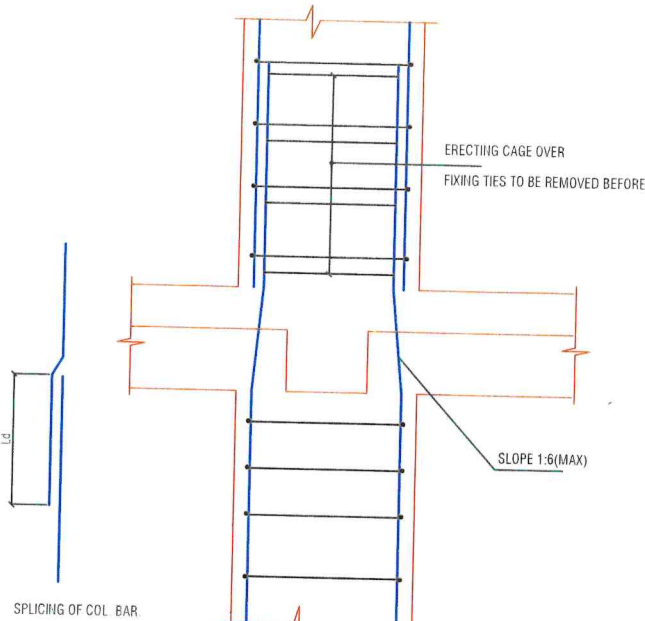
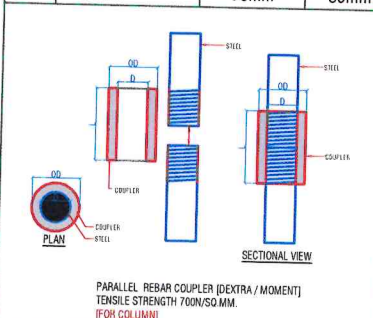
DIMENSIONS OF TERMINATOR

ITEM	REBAR DIAMETER	LENGTH (L) mm	OD mm
1.	20mm	24mm	40mm
2.	25mm	30mm	50mm
3.	32mm	35mm	65mm

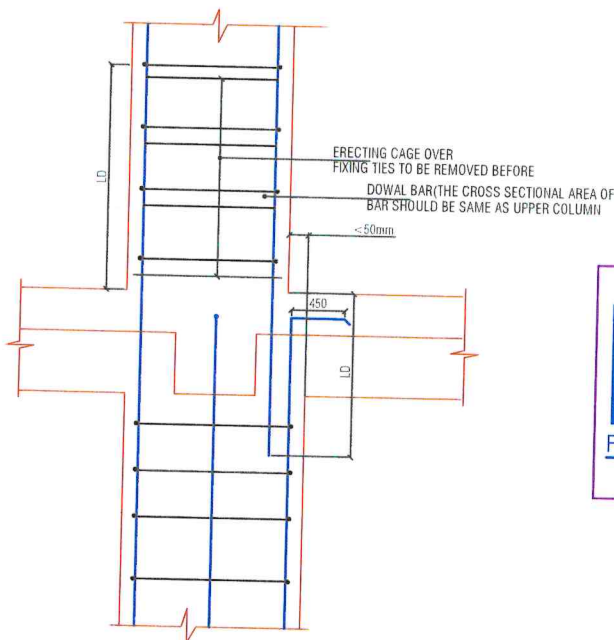


DIMENSIONS OF PARALLEL REBAR COUPLER

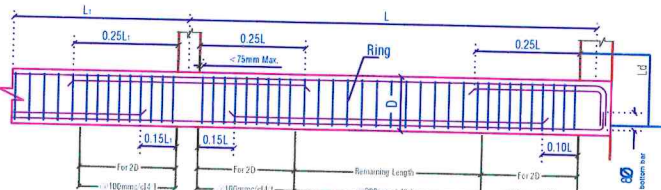
ITEM	REBAR DIAMETER	LENGTH (L) mm	OD mm
1.	20mm	48mm	32mm
2.	25mm	60mm	40mm
3.	32mm	70mm	50mm



- SPLICING OF COLUMN BARS AT INTERMEDIATE FLOOR WHEN THE RELATIVE DISPLACEMENT OF THE COLUMN FACE IS MORE THAN 75MM.

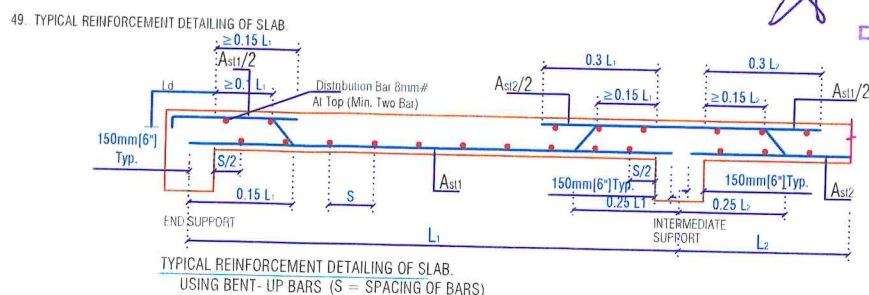


- SIMPLIFIED CURTAILMENT AND STIRRUPS RULE FOR CONTINUOUS BEAMS



SIMPLIFIED CURTAILMENT AND STIRRUPS RULE FOR CONTINUOUS BEAMS

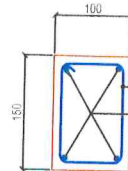
(Ø = Diameter of Beam Main Steel)
(D = Total Depth of Beam)



TYPICAL REINFORCEMENT DETAILING OF SLAB USING BENT-UP BARS (S = SPACING OF BARS)

52. R.C.C. BAND FOR HALF BRICK WALL.

IN CASE OF 125TH WALLS EXCEEDING 2000 IN HEIGHT R.C.C BAND SHALL BE PROVIDED AT EVERY 2000 INTERVAL AS SHOWN IN THE FIGURE THE BEARING OF R.C.C. BAND SHALL BE EQUAL TO THE WIDTH OF THE ADJOINING WALL.

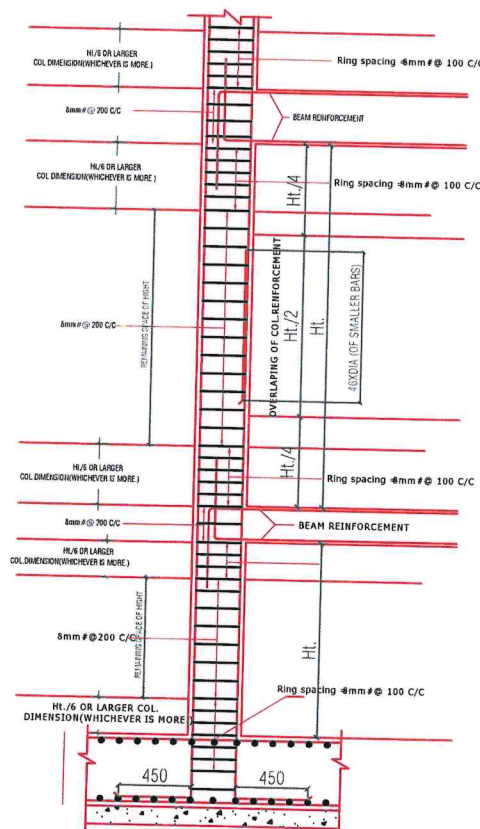


CONSTRUCTIONAL DETAILS.

- For slabs plate / surface vibrator shall only be used for compaction to insure better quality control & needle pin vibrator shall not be used.
- A plaster groove of width 12 mm and depth 5 mm shall be provided all along the junction of RCC slab and masonry wall (internal).
- Concreting of the entire roof slab including beams between construction joints / crumple section shall be done in one operation. If a joint is inescapable it shall be a vertical joint in the middle third of the span and parallel to the main reinforcement.
- Structural continuity in RCC between two successive days work shall be achieved by cleaning the old surface of all loose concrete applying net cement slurry and proper compaction.
- Curing of all structural concrete shall be done up to a main time period of 14 days or the stripping time of from work which is later.

REMOVAL OF CENTERING

- The cantilever for supporting the over hang of cantilever beam slabs should be retaining until sufficient counter weight over the bearing has been attained by building masonry or otherwise.
- The shuttering for cantilever slab / beam should be removed starting from the over hang edge.
- In case of canopies with cantilever beam the centering for the canopy slab in between the beam shall be removed first.
- Stripping time for concrete shall be as under if O.P.C. is used.
 - Vertical form work to columns, walls, beam-24hrs.
 - Slabs up to 4.5 M span- 7 days
 - Slabs above 4.5 M span- 14 days
 - Beams & arches up to 6 M span- 14 days
 - Beams & arches above 6 M span- 21 days
- In case of P.P.C 50 % stripping time to be added.
- In case of from work has re-entrant angles the from work shall be removed as soon as possible after concrete has set to avoid shrinkage cracking.



TYPICAL DETAIL "A" OF RING SPACING IN COLUMN

For AKSHAT APARTMENTS PVT. LTD.

(SUNIL JAIN)
Director
DIN: 00155259

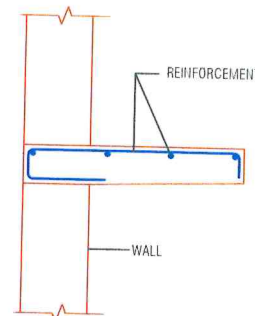


SG STRUCTURES

MANISH GUPTA
B.E.(Civil) M.Tech.(Str.)

51. R.C.C. CHAJJAS/ SHELVES.

WHERE EVER R.C.C. CHAJJAS/ SHELVES ARE PROVIDED WITH OUT LINTL THESE SHALL BE TAKEN IN TO THE FULL THK. OF THE WALL.



NOTE:

ALL THE WALL PARTITION WILL BE DONE, USING AUTOCLAVED AERATED CONCRETE [AAC] BLOCKS [700 kg/m³]

Grade Of Concrete

For Foundation/Raft/Pedestal= M25
For Column/Lift,Retaining,Shear Wall= M25
For Beam, Staircase & Slab= M25

Grade Of Reinforcement Steel

TMT Bar Fe 500D
[Primary Make(Tata,Jindal or Eq.)]

GENERAL NOTES:-

- ALL DIMENSION AND LEVEL ARE IN MM & METER.
- DO NOT SCALE THIS DRAWING WRITTEN DIMENSION ONLY.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
- ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH CE-MENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

Please Refer Drawing ST/MA/ASM-00

CONCRETE DETAILS

Please Refer Drawing ST/MA/ASM-00

REV.	DATE	DESCRIPTION	REMARK
R1			
R2			
R3			
R4			

CLIENT :-

AKSHAT APARTMENT PVT. LTD.

ARCHITECTS:-

m architects pvt.ltd
Plot no. 1, Greenwoods Lal Kothi Scheme, Sahkar Marg
Jaipur (Raj) - 302001
PHONE: 0141-2741232, 0141-2743619

STRUCTURAL CONSULTANTS:-

SG STRUCTURES
A-36 BASEMENT, SUNDER SINGH BANDARI NAGAR,
SWEET FARM, NEW SANGANER ROAD, JAIPUR-302019
E-mail: sg_structures@gmail.com
Tel: 0141-6693947, 0141-2297076

PROJECT TITLE:-

Project Report of Residential Development
@ Plot No. - 3, Akshat Kanota Estate, Jaipur

DRG. TITLE:-

GENERAL DETAIL SHEET

SCALE	DRG. NO.
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SBC=10 MT/Sq.M @ 1.8M
Designed For= S+4+P

ST/MA/AKS-00

MANISH GUPTA
DESIGN & CHK. BY.

DATE 25/02/2025

JOB.NO. NORTH

PRINT --