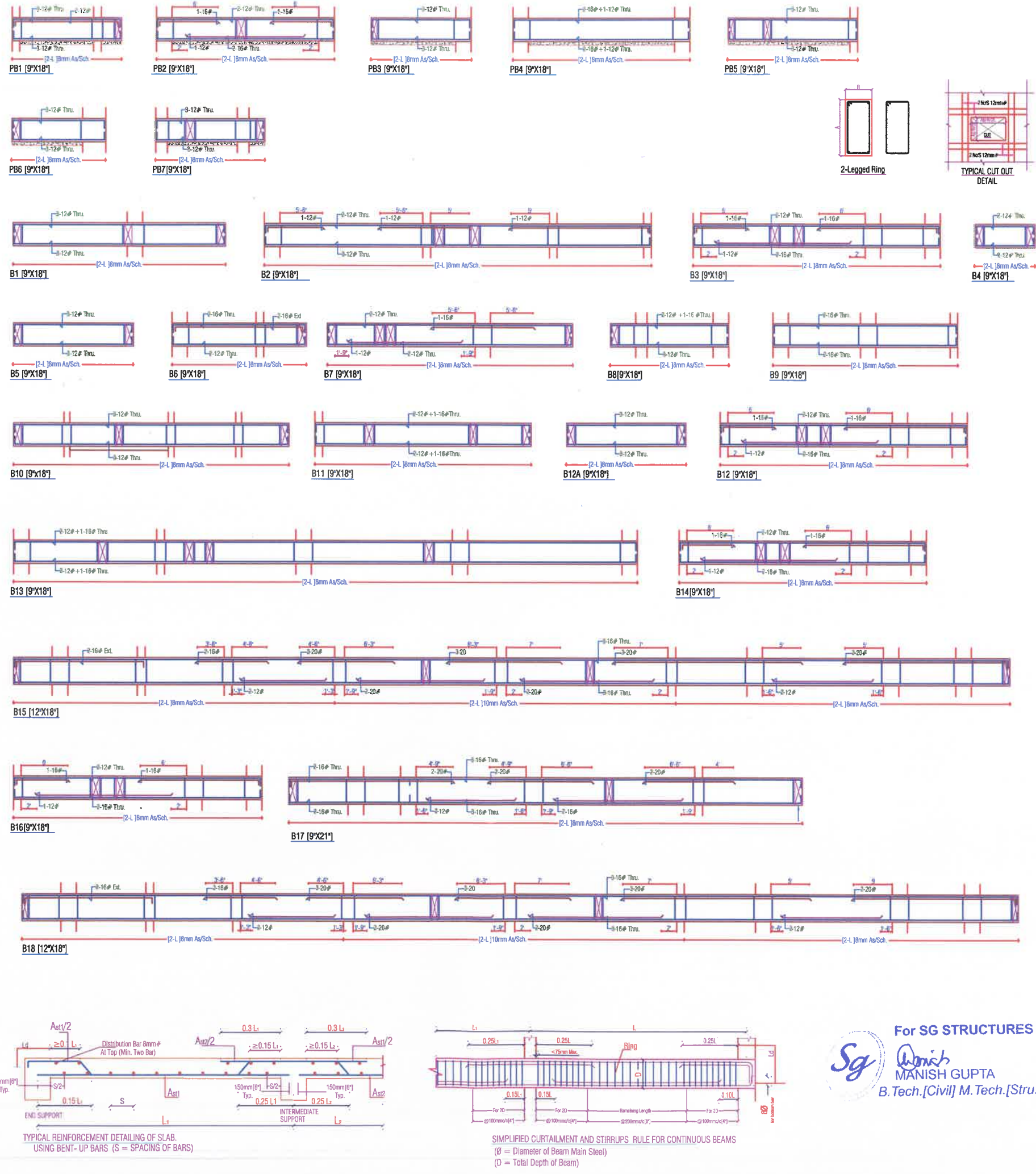
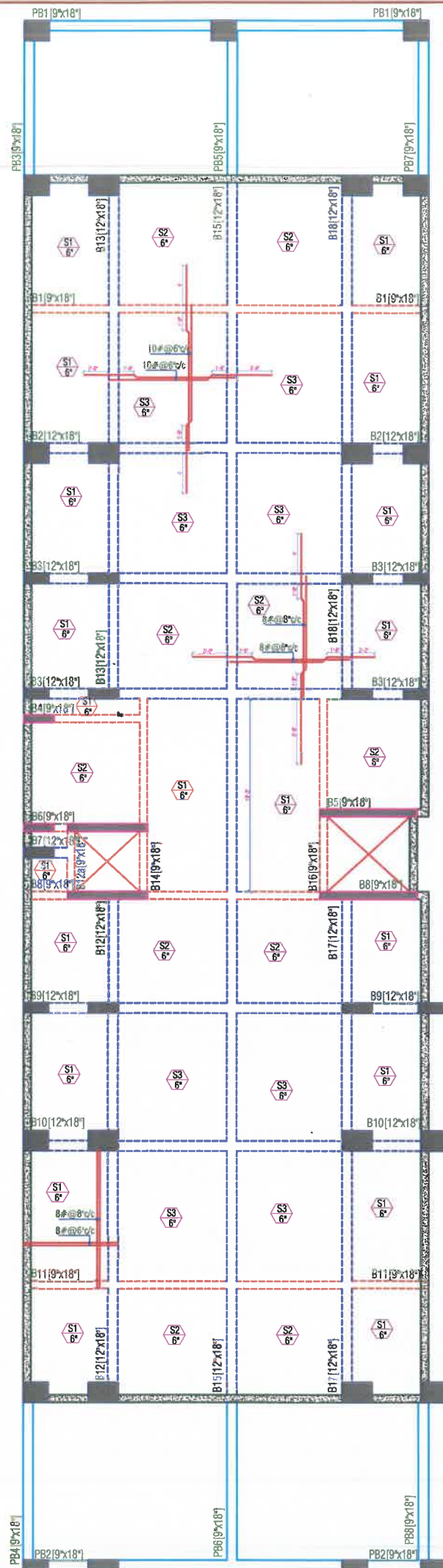




Grade Of Concrete  
For Foundation/Raft/Pedestal = M25  
For Stair Case = M25  
For Column/Lift Wall = M25  
For Beam & Slab = M25

Grade Of Reinforcement Steel  
TMT Bar Fe 550D

- GENERAL NOTES:-
1. ALL DIMENSION AND LEVEL ARE IN INCH & FEET.
  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 PLAN OTHER WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.
- REINFORCEMENT DETAILS  
Please Refer Drawing ST/4IN/JS-00
- CONCRETE DETAILS  
Please Refer Drawing ST/4IN/JS-00
- | REV. | DATE | DESCRIPTION | REMARK |
|------|------|-------------|--------|
| R1   |      |             |        |
| R2   |      |             |        |
| R3   |      |             |        |
| R4   |      |             |        |

CLINT: M/S SHREE ENTERPRISES

ARCHITECTS:-  
4 INSIDE  
ARCHITECTURE N INTERIORS  
Plot no. 72, S.P. Marg, C- Scheme  
jaipur, rajasthan, India  
cont: +91 9950595991, 91 9982812777  
e.mail: jeets.arch@gmail.com

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: 09772202219, 0141-2297076

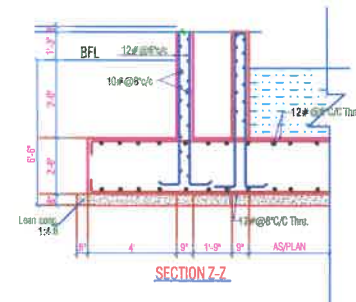
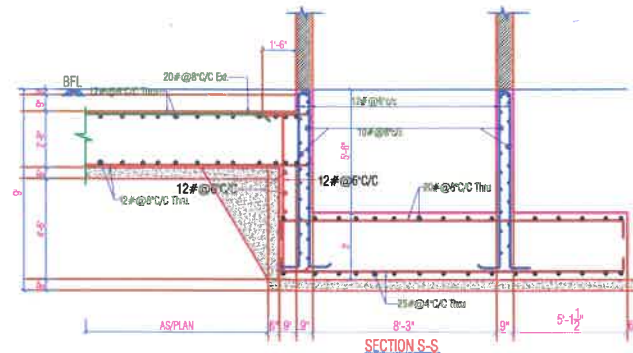
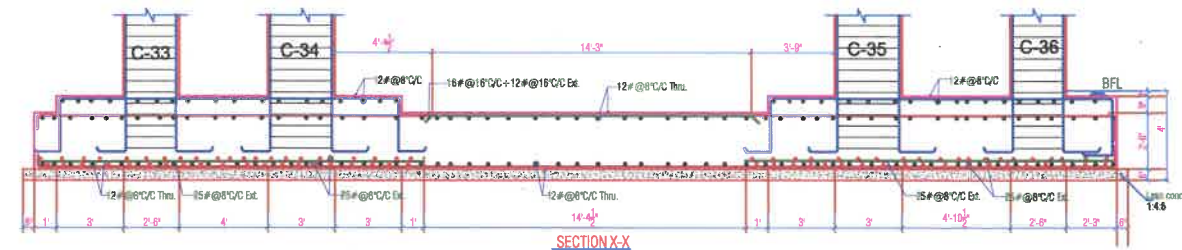
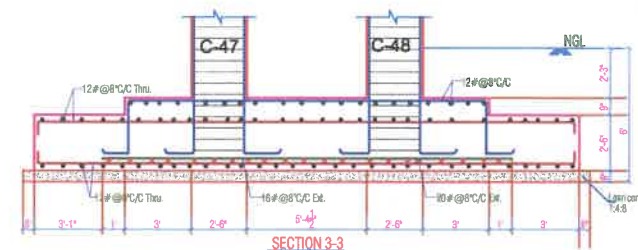
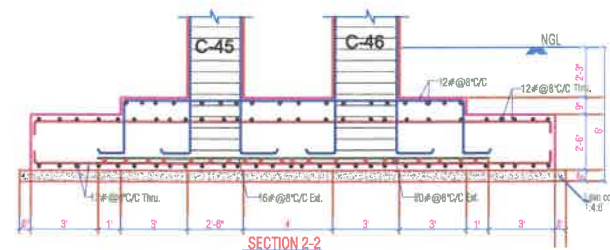
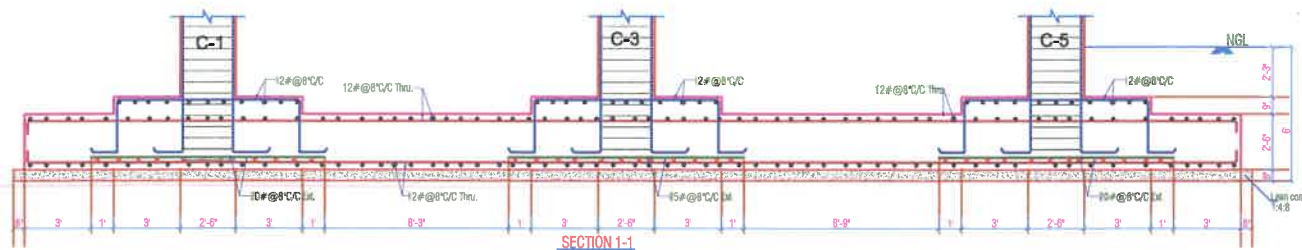
PROJECT TITLE:-  
THE SIGNATURE

PROJECT ADDRESS :-  
PROPOSED RESIDENTIAL FLATS ON PLOT. NO.  
-O-29B SCHEME-6-D ENGINEERS COLONY  
"O" BLOCK, JAIPUR.

DRG. TITLE:-  
BASEMENT FLOOR ROOF LAYOUT & BEAM DETAIL

| SCALE                                       | DRG. NO.                    |
|---------------------------------------------|-----------------------------|
| SBC=12 MT/Sq.M@4.2M<br>Designed For=B+S+G+8 | ST-4IN-JS-05                |
| ASHOK KUMAR<br>DRAFT BY                     | RAHUL SHARMA<br>DESIGN BY   |
| RAHUL SHARMA<br>CHECK BY                    | MANISH GUPTA<br>APPROVED BY |
| DATE 24/08/2024<br>PRINT ...../08/2024      | JOB.NO.<br>NORTH            |





For SG STRUCTURES  
MANISH GUPTA  
B.Tech.[Civil] M.Tech.[Stru.]

Grade Of Concrete  
For Foundation/Raft/Pedestal= M25  
For Stair Case= M25  
For Column/Lift Wall= M25  
For Beam & Slab= M25

Grade Of Reinforcement Steel  
TMT Bar Fe 550D

#### GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN INCH & FEET.
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 PLAN OTHER WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

#### REINFORCEMENT DETAILS

Please Refer Drawing ST/4IN/JS-00

#### CONCRETE DETAILS

Please Refer Drawing ST/4IN/JS-00

| REV. | DATE | DESCRIPTION | REMARK |
|------|------|-------------|--------|
| R1   |      |             |        |
| R2   |      |             |        |
| R3   |      |             |        |
| R4   |      |             |        |

CLIENT:  
M/S SHREE ENTERPRISES

ARCHITECTS:-  
INSIDE  
ARCHITECTURE N INTERIORS  
Plot no. 72, S.P. Marg, C-Scheme  
Jaipur, Rajasthan, India  
cont: +91 9950595991, 91 9982812777  
e-mail: joets.arch@gmail.com

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: 09772202219, 0141-2297076

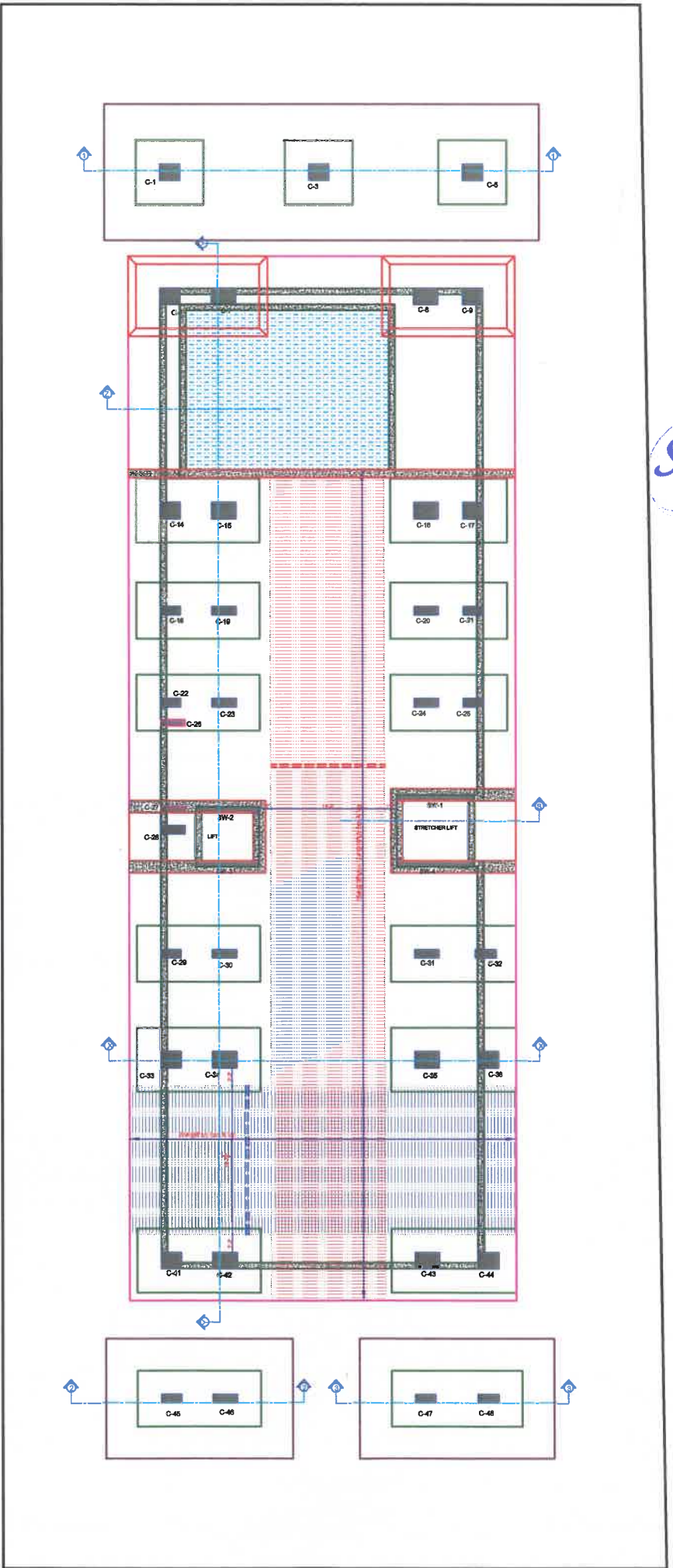
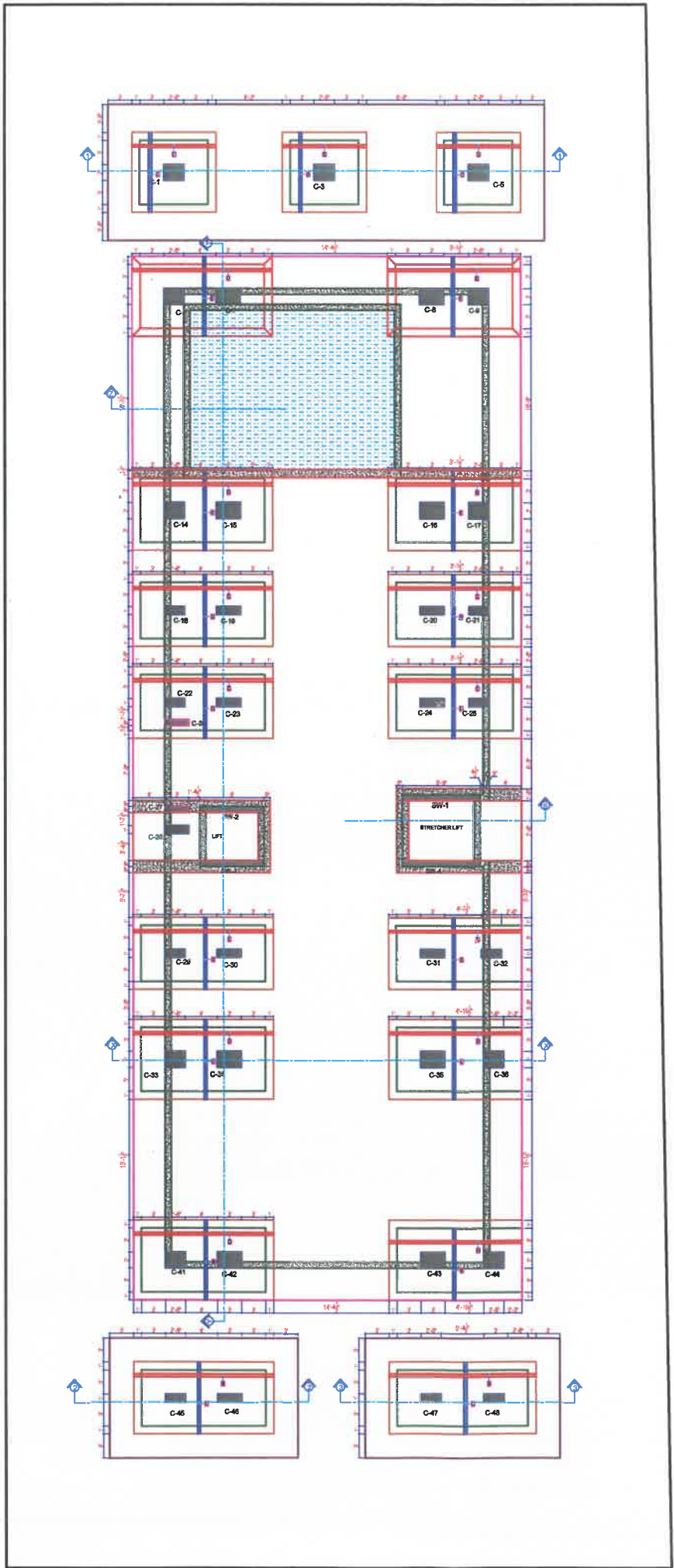
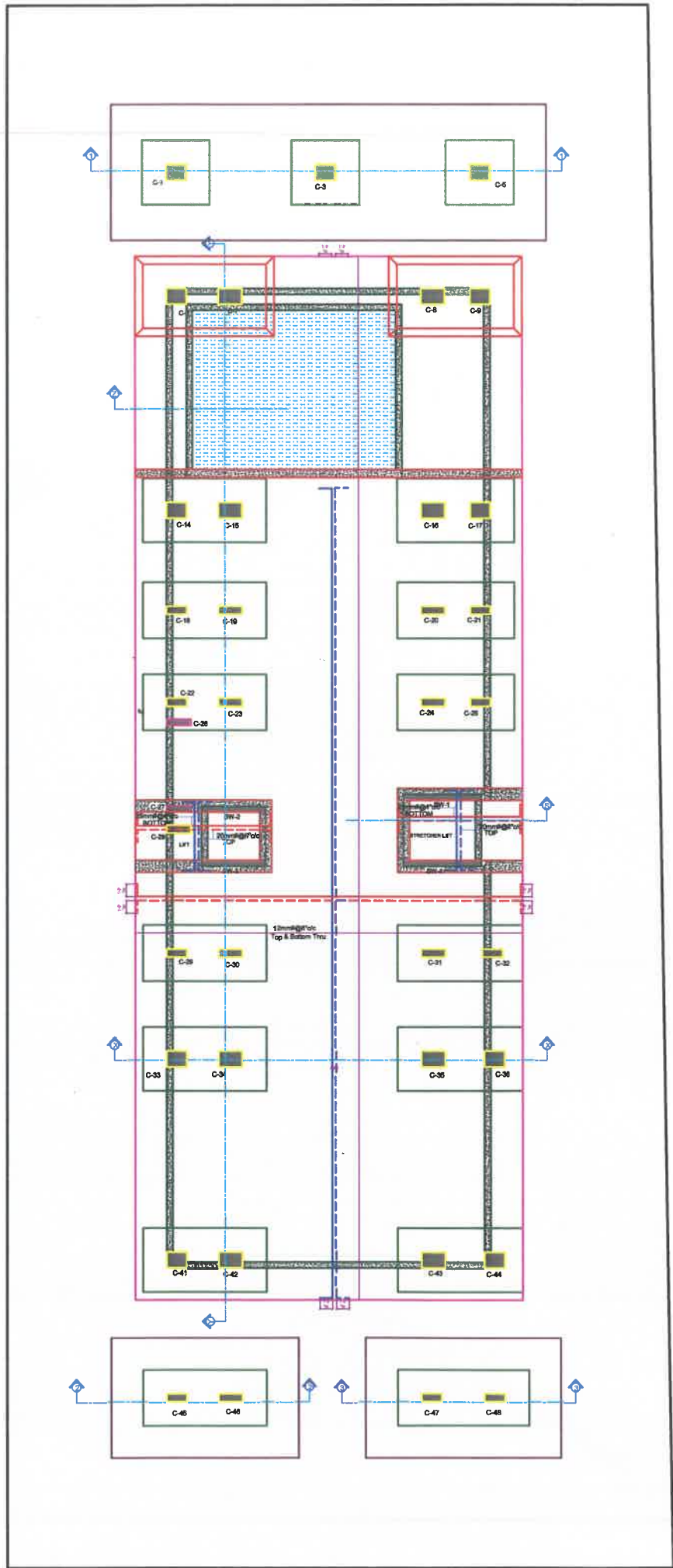
PROJECT TITLE:-  
THE SIGNATURE

PROJECT ADDRESS :-  
PROPOSED RESIDENTIAL FLATS ON PLOT. NO.  
-O-29B SCHEME-6-D ENGINEERS COLONY  
"O" BLOCK, JAIPUR.

DWG. TITLE:-  
RAFT FOUNDATION SECTION

| SCALE                                       | DWG. NO.                    |
|---------------------------------------------|-----------------------------|
| SBC=12 MT/Sq.M@4.2M<br>Designed For=B+S+G+8 | ST-4IN-JS-04                |
| ASHOK KUMAR<br>DESIGN BY                    | RAHUL SHARMA<br>DESIGN BY   |
| RAHUL SHARMA<br>CHECK BY                    | MANISH GUPTA<br>APPROVED BY |
| DATE 20/08/2024<br>PRINT ...../08/2024      | JOB.NO. NORTH               |





For SG STRUCTURES  
MANISH GUPTA  
B.Tech.[Civil] M.Tech.[Struc.]

| CODE | REINFORCEMENT STEEL     | LOCATION     |
|------|-------------------------|--------------|
| A    | 12#@8"o/c               | BOTTOM EXTRA |
| B    | 16#@8"o/c               | BOTTOM EXTRA |
| C    | 20#@8"o/c               | BOTTOM EXTRA |
| D    | 25#@8"o/c               | BOTTOM EXTRA |
| E    | 25#@16"o/c + 25#@16"o/c | BOTTOM EXTRA |

Grade Of Concrete  
For Foundation/Raft/Pedestal= M25  
For Stair Case= M25  
For Column/Lift Wall= M25  
For Beam & Slab= M25

Grade Of Reinforcement Steel  
TMT Bar Fe 550D

- GENERAL NOTES:-
1. ALL DIMENSIONS AND LEVEL ARE IN MM & FEET.
  2. NO NOT SCALE THIS DRAWING WITHOUT PERMISSION ONLY.
  3. THIS DRAWING SHOULD BE USED IN CONJUNCTION WITH ALL OTHER DRAWINGS AND SPECIFICATIONS AND REVISIONS SHOULD BE INDICATED BY RED CIRCLES TO AVOID.
  4. ONLY LOW RISE BUILDINGS ARE PERMITTED IN PLANNED ZONE. ALL BUILDINGS SHALL BE STOPPED 1/2" BELOW TOP OF ROOF/SLAB AND TOP FLOOR WITH CEILING. ALL OTHERS SHALL BE STOPPED 1/2" BELOW TOP OF ROOF/SLAB AND TOP FLOOR WITH CEILING. ALL OTHERS SHALL BE STOPPED 1/2" BELOW TOP OF ROOF/SLAB AND TOP FLOOR WITH CEILING.

REINFORCEMENT DETAILS  
Please Refer Drawing ST/4IN/5-00

CONCRETE DETAILS  
Please Refer Drawing ST/4IN/5-00

| REV | DATE | DESCRIPTION | REMARK |
|-----|------|-------------|--------|
| 1   |      |             |        |
| 2   |      |             |        |
| 3   |      |             |        |
| 4   |      |             |        |

DATE: 20/08/2024

INSIDE  
ARCHITECTURE N INTERIORS  
Plot no. 72, S.P. Marg, C-Scheme  
Jalpur, Rajsthan, India  
cont:- 91 9650550611, 91 9652012777  
e-mail: jgk.raj@gmail.com

STRUCTURAL CONSULTANTS:-  
SG STRUCTURES  
P-30, BASMENT, GANDESI SINGH BHADRA NAGAR,  
CHICK FARM, NEW SAHANSAR ROAD, JALPUR-302019  
E-mail: sg.structures@gmail.com  
Tel: 0877222219, 0141 2257076

PROJECT ADDRESS:-  
PROPOSED RESIDENTIAL FLATS ON PLOT NO.  
-D-288 SCHEME-4-D ENGINEERS COLONY  
-D- BLOCK, JALPUR.

PROJECT TITLE:-  
THE SIGNATURE

CHD. TITLE:-  
RAFT TOP "TH" BOTTOM THRU &  
TOP, BOTTOM EXTRA LAYOUT

SCALE: 1/4"=1'-0"  
DRG. NO. ST-4IN-JS-03

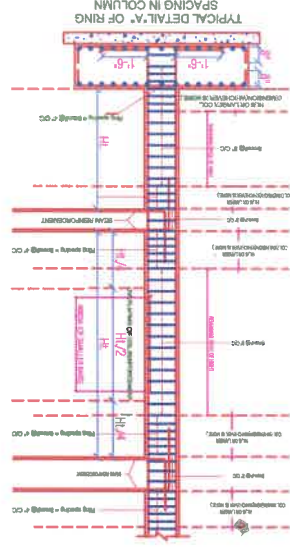
DESIGNED FOR: S + S + S + S  
ASHOK KUMAR  
DRAFT BY: RAHUL SHARMA  
DESIGN BY: RAHUL SHARMA  
CHECK BY: MANISH GUPTA  
APPROVED BY: MANISH GUPTA

DATE: 20/08/2024  
PRINT: 20/08/2024  
JOB NO. NORTH



| COLUMN                     | C-1/C-5/C-6/C-9/C-14/<br>C-17/C-33/C-36/C-41/C-44 | CF-2/CF-4/CF-11/CF-12/<br>CF-39/CF-39 | C-3 | CF-10/CF-13/CF-37/CF-40 | C-7/C-8/C-15/C-16/C-34/<br>C-35/C-42/C-43 | As Per Detail *A* |
|----------------------------|---------------------------------------------------|---------------------------------------|-----|-------------------------|-------------------------------------------|-------------------|
| Foundation To Ground Floor |                                                   |                                       |     |                         |                                           | As Per Detail *A* |
| Ground Floor To 1st Floor  |                                                   |                                       |     |                         |                                           | As Per Detail *A* |
| 1st Floor To 2nd Floor     |                                                   |                                       |     |                         |                                           | As Per Detail *A* |
| 2nd Floor To 3rd Floor     |                                                   |                                       |     |                         |                                           | As Per Detail *A* |
| 3rd Floor To 4th Floor     |                                                   |                                       |     |                         |                                           | As Per Detail *A* |
| 4th Floor To 5th Floor     |                                                   |                                       |     |                         |                                           | As Per Detail *A* |
| 5th Floor To 6th Floor     |                                                   |                                       |     |                         |                                           | As Per Detail *A* |
| 6th Floor To 7th Floor     |                                                   |                                       |     |                         |                                           | As Per Detail *A* |
| 7th Floor To 8th Floor     |                                                   |                                       |     |                         |                                           | As Per Detail *A* |
| 8th Floor To (Terrace)     |                                                   |                                       |     |                         |                                           | As Per Detail *A* |

| WALL                       | ASW-1/ASW-4 | ASW-2/ASW-3 |
|----------------------------|-------------|-------------|
| Foundation To Ground Floor |             |             |
| Ground Floor To 1st Floor  |             |             |
| 1st Floor To 2nd Floor     |             |             |
| 2nd Floor To 3rd Floor     |             |             |
| 3rd Floor To 4th Floor     |             |             |
| 4th Floor To 5th Floor     |             |             |
| 5th Floor To 6th Floor     |             |             |
| 6th Floor To 7th Floor     |             |             |
| 7th Floor To 8th Floor     |             |             |
| 8th Floor To (Terrace)     |             |             |



For SG STRUCTURES



Grade Of Concrete  
Foundation/Raft/Pedestal = M25  
For Slab Case = M25  
For Column/Lift Wall = M25  
For Beam & Slab = M25

Grade Of Reinforcement Steel  
TMT Bar Fe 550D

GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN INCH & FEET.
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 PLAN. OTHER WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH CEILING PLASTER. THIS SHALL BE OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

REINFORCEMENT DETAILS

Please Refer Drawing 5T/4IN/JS-00

CONCRETE DETAILS

Please Refer Drawing 5T/4IN/JS-00

| REV. | DATE | DESCRIPTION | REMARKS |
|------|------|-------------|---------|
| R1   |      |             |         |
| R2   |      |             |         |
| R3   |      |             |         |
| R4   |      |             |         |

CLIENT:

M/S SHREE ENTERPRISES

ARCHITECTS:-

INSIDE

ARCHITECTURE N INTERIORS

Plot No. 72, S.P. Marg, C Scheme

Jajpur, Rajasathan, India

cont:- 91 985055891, 91 982812777

e-mail:- jeebsara@gmail.com

STRUCTURAL CONSULTANTS:-

SG STRUCTURES

A-35, BACHMENT, SUNDRI SINGH BANDARI INGPAL,

SHEET PAPER, NEW SANGHAN ROAD, JAJPUR-752019

For more details visit:-

For 08772202193/011-2291070

PROJECT TITLE:-

THE SIGNATURE

PROJECT ADDRESS :-

PROPOSED RESIDENTIAL FLATS ON PLOT NO.

-0-298 SCHEME-6-D ENGINEERS COLONY

10<sup>th</sup> BLOCK, JAJPUR.

DRG. TITLE:-

COLUMN SCHEDULE DETAIL

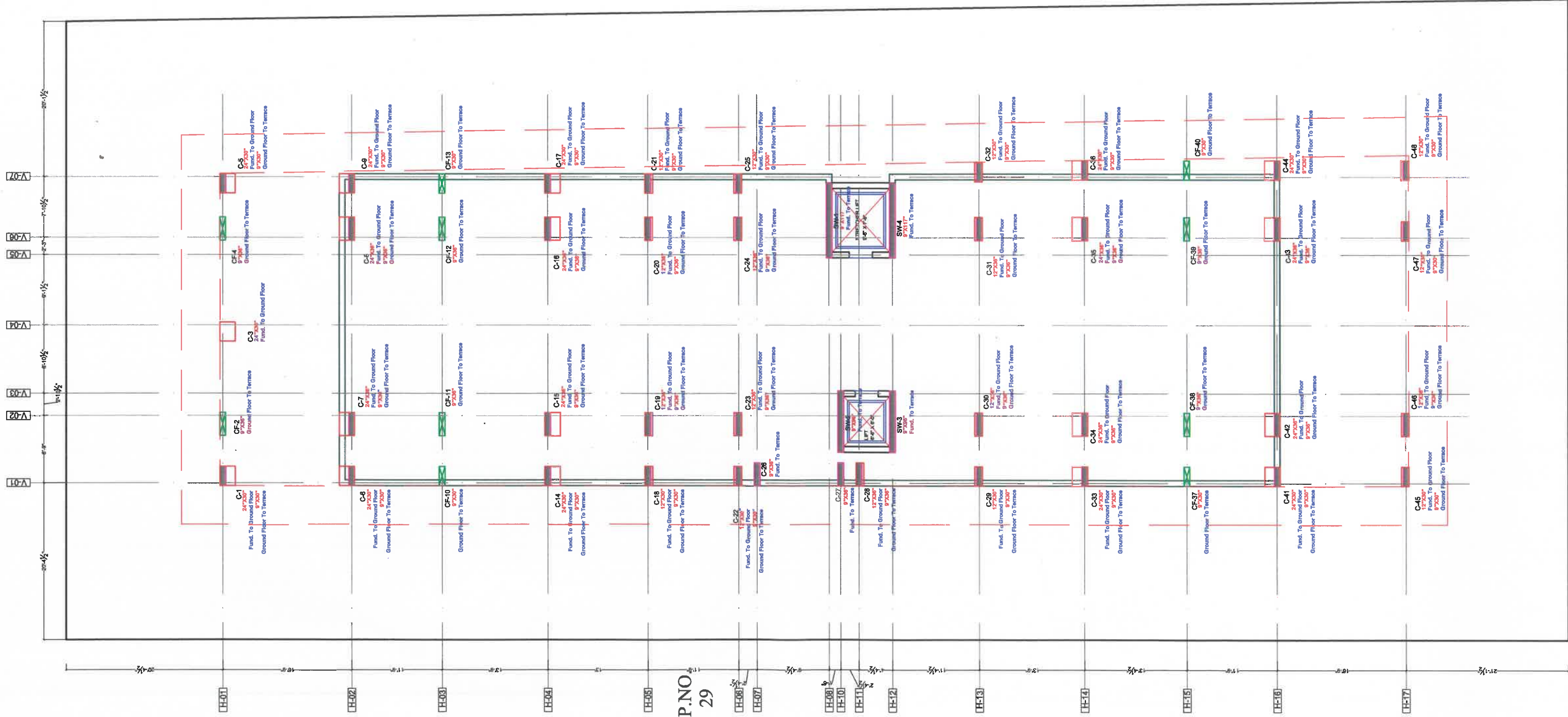
| SCALE           | DRG. NO.     |
|-----------------|--------------|
| SBC=12 MSA/M@2M | ST-4IN-JS-02 |

|                      |              |
|----------------------|--------------|
| Designed For=B+S+6=8 | RAHUL SHARMA |
| DRAFT BY             | DESIGN BY    |
| RAHUL SHARMA         | MANISH GUPTA |
| CHECK BY             | APPROVED BY  |

|                     |        |       |
|---------------------|--------|-------|
| DATE 20/05/2024     | JOB NO | NORTH |
| PRINT ...../05/2024 |        |       |

| COLUMN                     | C-18/C-21/C-22/C-25/<br>C-29/C-32 | C-19/C-20/C-23/C-24/<br>C-30/C-31 | C-26/C-27 | C-28 | C-45/C-48 | C-46/C-47 |
|----------------------------|-----------------------------------|-----------------------------------|-----------|------|-----------|-----------|
| Foundation To Ground Floor |                                   |                                   |           |      |           |           |
| Ground Floor To 1st Floor  |                                   |                                   |           |      |           |           |
| 1st Floor To 2nd Floor     |                                   |                                   |           |      |           |           |
| 2nd Floor To 3rd Floor     |                                   |                                   |           |      |           |           |
| 3rd Floor To 4th Floor     |                                   |                                   |           |      |           |           |
| 4th Floor To 5th Floor     |                                   |                                   |           |      |           |           |
| 5th Floor To 6th Floor     |                                   |                                   |           |      |           |           |
| 6th Floor To 7th Floor     |                                   |                                   |           |      |           |           |
| 7th Floor To 8th Floor     |                                   |                                   |           |      |           |           |
| 8th Floor To (Terrace)     |                                   |                                   |           |      |           |           |





P.NO  
29

For SG STRUCTURES  
MANISH GUPTA  
B.Tech.[Civil] M.Tech.[Stru.]

Grade Of Concrete  
For Foundation/Raft/Pedestal = M25  
For Stair Case = M25  
For Column/Lift Wall = M25  
For Beam & Slab = M25

Grade Of Reinforcement Steel  
TMT Bar Fe 550D

GENERAL NOTES:-  
1. ALL DIMENSION AND LEVEL ARE IN INCH & FEET.  
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 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/4IN/J5-00  
CONCRETE DETAILS  
Please Refer Drawing ST/4IN/J5-00

| REV | DATE | DESCRIPTION | REMARK |
|-----|------|-------------|--------|
| R1  |      |             |        |
| R2  |      |             |        |
| R3  |      |             |        |
| R4  |      |             |        |

CLIENT:  
M/S SHREE ENTERPRISES

ARCHITECTS:-  
INSIDE  
ARCHITECTURE N INTERIORS  
Plot no. 72, S.P. Marg, C- Scheme  
Jaipur, Rajasthan, India  
cont:- +91 9950555991, 91 9982812777  
e-mail: jeets.ardl@gmail.com

STRUCTURAL CONSULTANTS:-  
SG STRUCTURES  
A-36 BASEMENT, SUNDER SINGH BANDARI NAGAR,  
SWAJI FARMA, NEW SANGANER ROAD, JAIPUR-302019  
E-mail: sg\_structures@gmail.com  
Tel: 0972202219, 0141-2257076

PROJECT TITLE:-  
THE SIGNATURE

PROJECT ADDRESS :-  
PROPOSED RESIDENTIAL FLATS ON PLOT NO.  
-D-29B SCHEME-G-D ENGINEERS COLONY  
10<sup>th</sup> BLOCK, JAIPUR.

DRG. TITLE:-  
COLUMN LAYOUT

SCALE  
SBC = 12 MT/Sq.M@4.2M  
Designed For = B+S+G+8

DRG. NO.  
ST-4IN-JS-01

ASHOK KUMAR  
DRAFT BY

RAHUL SHARMA  
DESIGN BY

RAHUL SHARMA  
CHECK BY

MANISH GUPTA  
APPROVED BY

DATE 20/08/2024  
PRINT ...../08/2024

JOB.NO.  
NORTH



## GENERAL NOTES

- Contractor to check and verify all dimensions before execution of the work.
- All dimensions are given Meter/Millimeter 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 structure and tropical drawings, the details shown in structural drawing shall be followed.
- All reinforcement for RCC work shall be TMT Grade Fe 550D conforming to IS : 1786-2008
- The foundation has been designed as Raft footing.
- The SBC has been taken as 12MT/Sq.m at a depth of 4.2 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 or 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/cm<sup>2</sup> and 45 kg/cm<sup>2</sup> respectively
- All plinth beams shall be cast over 6" th. PCC 1:4:8 width of beam plus 6" wide wherever 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 followed and read in construction with relevant drawing.
- In beams, wherever reinforcement bars are provide in two or more layers, space bars of 25# @ 4" c/c shall be provide between the reinforcement layers.
- PCC lean concrete below foundation shall have 6" offset on all sides. Wherever the gap between two footing 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)<br>2/3"(15MM.) (ON SIDE)                       |
| COLUMNS                                     |             |             | 1 1/2"(40MM.)                                                             |
| BEAMS, LINTEL                               | 1"(25MM.)   | 1"(25MM.)   | 1"(25MM.)                                                                 |
| WALL & FLOOR SLAB & ROOF SLAB & WATER TANK. |             |             | 1"(25MM.) ON WATER FACE<br>1 1/2"(40MM.) (ON EARTH SIDE) WHERE APPLICABLE |

26. The building has been designed as per IS : 1893-2016 and IS : 456-2000 considering earthquake zone II for JAIPUR, Rajasthan

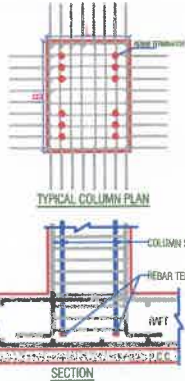
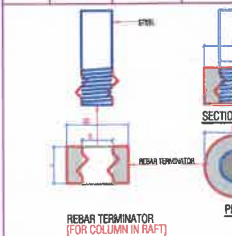
27. Admixtures :
- AD MIXTURE IF USED SHALL COMPLY WITH IS : 9103
  - It should not impair durability of concrete
  - The workability, compressive strength & the slump loss of concrete with & without the use of admixture shall be Established during trial mixes before its use.
  - Preparation of mix using admixture is to be as per manufactures instructions.
28. For any other details not shown / indicated on DRG. Shall be as per IS 456:2000, IS 1893 : 2016.

## REINFORCEMENT DETAILING

29. All reinforcement shall be terminated with straight length or L shape unless otherwise specified
30. 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 ever is more. Spacing of long bars measured along periphery of the col. Shall exceed 300 mm.
31. 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.
32. In beam/ lintels, first stirrup shall be at the center of span and subsequent ones at the spacing indicated in the DRGS
33. Temperature reinforcement (distribution steel in slab where not shown in drawing shall be 0.12% (or)
34. Unless otherwise specified 8# @ 300 c/c shall be provide as binders in top portion of slab reinforcement and placed parallel to support.
35. Positive reinforcement in shorter direction in middle position region for negative reinforcement.
36. Min 3 nos 8 mm # diagonal bars shall be provided at the corners of freely supported or non continuous edges of slab
37. Unless otherwise specified side face reinforcement shall be provide for all beams of depth exceeding 750 mm as per IS : 456-2000, or as shown in drawing.
38. Anchorage length :- all RCC structure elements (column, cantilevered, beams & slab) shall have their main reinforcement suitable anchored to provide the full development length (49 x d for tension & 39 x d for compression for M 25 mix concrete & FE 500D) provide the full development length (46 x d for tension & 37 x d for compression for M 30 mix concrete & FE 500D)
39. No laps shall be provide 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.
40. 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)
- Tension compression
  - Tor steel [M25 & Fe500D] 49 x dia 39 x dia
  - Tor steel [M30 & Fe500D] 46 x dia 37 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.
41. For the floor and rafter slabs, chair supports shall be provided to maintain vertical spacing between top and bottom reinforcement bar.
42. 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.
43. Dowel bars shall be held firmly in position to avoid dislocation and loss of bond due to vibration during construction stage.
44. In pashed 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.
45. 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.
46. SPLICING OF COLUMN BARS AT INTERMEDIATE FLOOR.

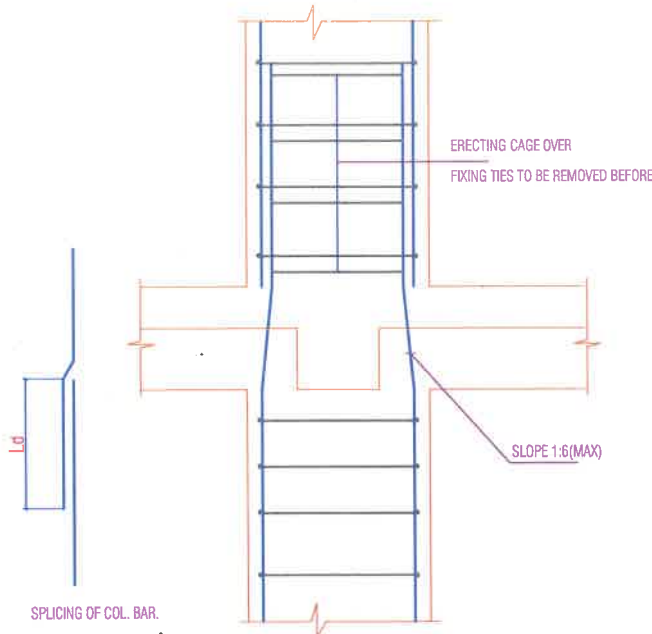
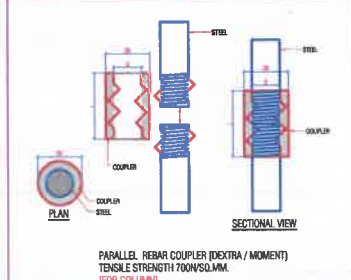
### DIMENSIONS OF TERMINATOR

| ITEM | REBAR DIAMETER | LENGTH [L] mm | OD mm |
|------|----------------|---------------|-------|
| 1.   | 20mm           | 24mm          | 40mm  |
| 2.   | 25mm           | 30mm          | 50mm  |
| 3.   | 32mm           | 35mm          | 65mm  |



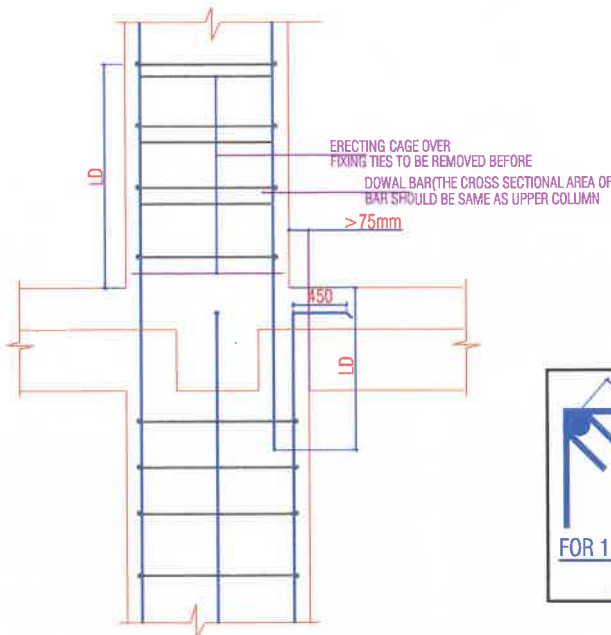
### DIMENSIONS OF PARALLEL REBAR COUPLER

| ITEM | REBAR DIAMETER | LENGTH [L] mm | OD mm |
|------|----------------|---------------|-------|
| 1.   | 20mm           | 48mm          | 32mm  |
| 2.   | 25mm           | 60mm          | 40mm  |
| 3.   | 32mm           | 70mm          | 50mm  |

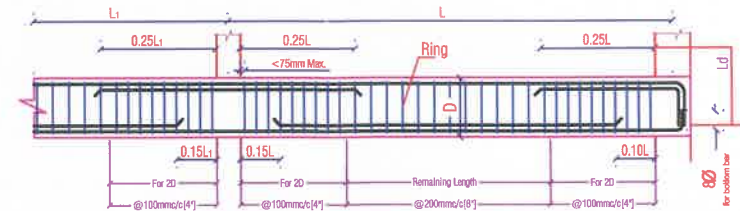


SPLICING OF COL. BAR.

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

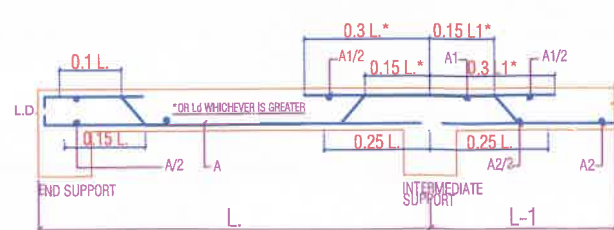


48. SIMPLIFIED CURTAILMENT AND STIRRUPS RULE FOR CONTINUOUS BEAMS

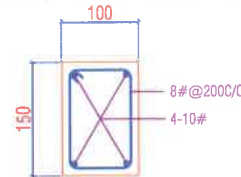


SIMPLIFIED CURTAILMENT AND STIRRUPS RULE FOR CONTINUOUS BEAMS  
(Ø = Diameter of Beam Main Steel)  
(D = Total Depth of Beam)

49. TYPICAL REINFORCEMENT DETAILING OF SLAB.



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.



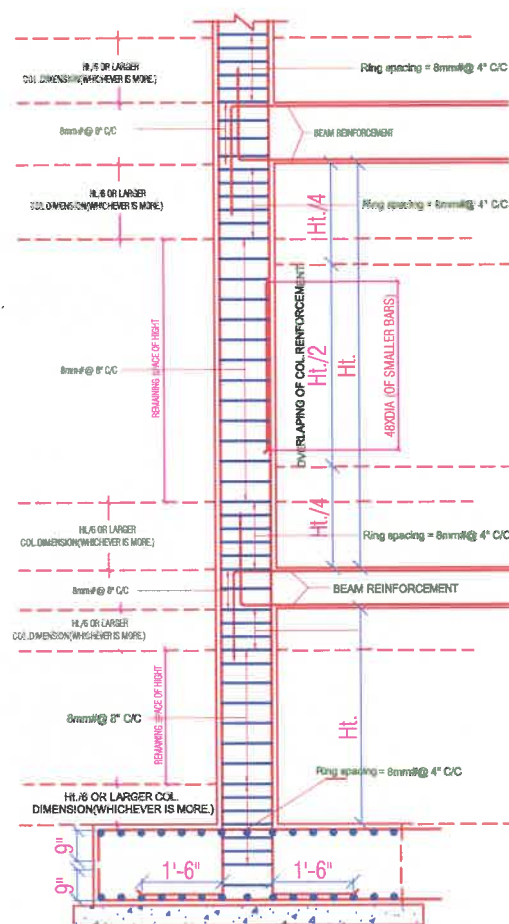
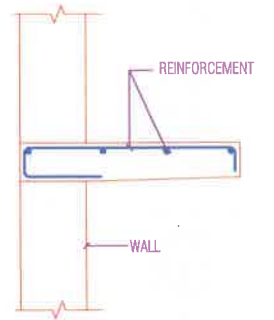
## CONSTRUCTIONAL DETAILS.

- 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 long 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 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 over is later

## REMOVAL OF CENTERING

- The cantilever for supporting the over hang of cantilever beam slabs should be retaining unit 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.

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.



TYPICAL DETAIL "A" OF RING SPACING IN COLUMN

Grade Of Concrete  
For Foundation/Raft/Pedestal= M25  
For Stair Case= M25  
For Column/Lift Wall= M25  
For Beam & Slab= M25

Grade Of Reinforcement Steel  
TMT Bar Fe 550D

### GENERAL NOTES:-

- ALL DIMENSION AND LEVEL ARE IN INCH & FEET.
- 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 CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWINGS.

### REINFORCEMENT DETAILS

Please Refer Drawing ST/4IN/J5-00

### CONCRETE DETAILS

Please Refer Drawing ST/4IN/J5-00

| REV. | DATE | DESCRIPTION | REMARKS |
|------|------|-------------|---------|
| A1   |      |             |         |
| A2   |      |             |         |
| A3   |      |             |         |
| A4   |      |             |         |

CLIENT:

M/S SHREE ENTERPRISES

ARCHITECTS:-

INSIDE

ARCHITECTURE N INTERIORS  
Plot no. 72, S.P. Marg, C-Scheme  
Jaipur, Rajasthan, India  
cont. +91 9950955991, 91 9982812777  
e-mail: jeebs.arch@gmail.com

STRUCTURAL CONSULTANTS:-

SG STRUCTURES  
N-36 BASEMENT, SUNDER SINGH BANDARI NAGAR,  
SHWJI FARM, NEW SANGANER ROAD, JAIPUR-302019  
E-mail: sg\_structures@gmail.com  
Tel: 09772202219, 0141-2297076

PROJECT TITLE:-

THE SIGNATURE

PROJECT ADDRESS :-

PROPOSED RESIDENTIAL FLATS ON PLOT. NO.  
-0-29B SCHEME-B-D ENGINEERS COLONY  
"D" BLOCK, JAIPUR.

DRG. TITLE:-

GENERAL SHEET

SCALE DRG. NO.

SBC=12 MT/Sq.M@4.2M  
Designed For=B+S+G+8 ST-4IN-JS-03

ASHOK KUMAR DRAFT BY RAHUL SHARMA DESIGN BY

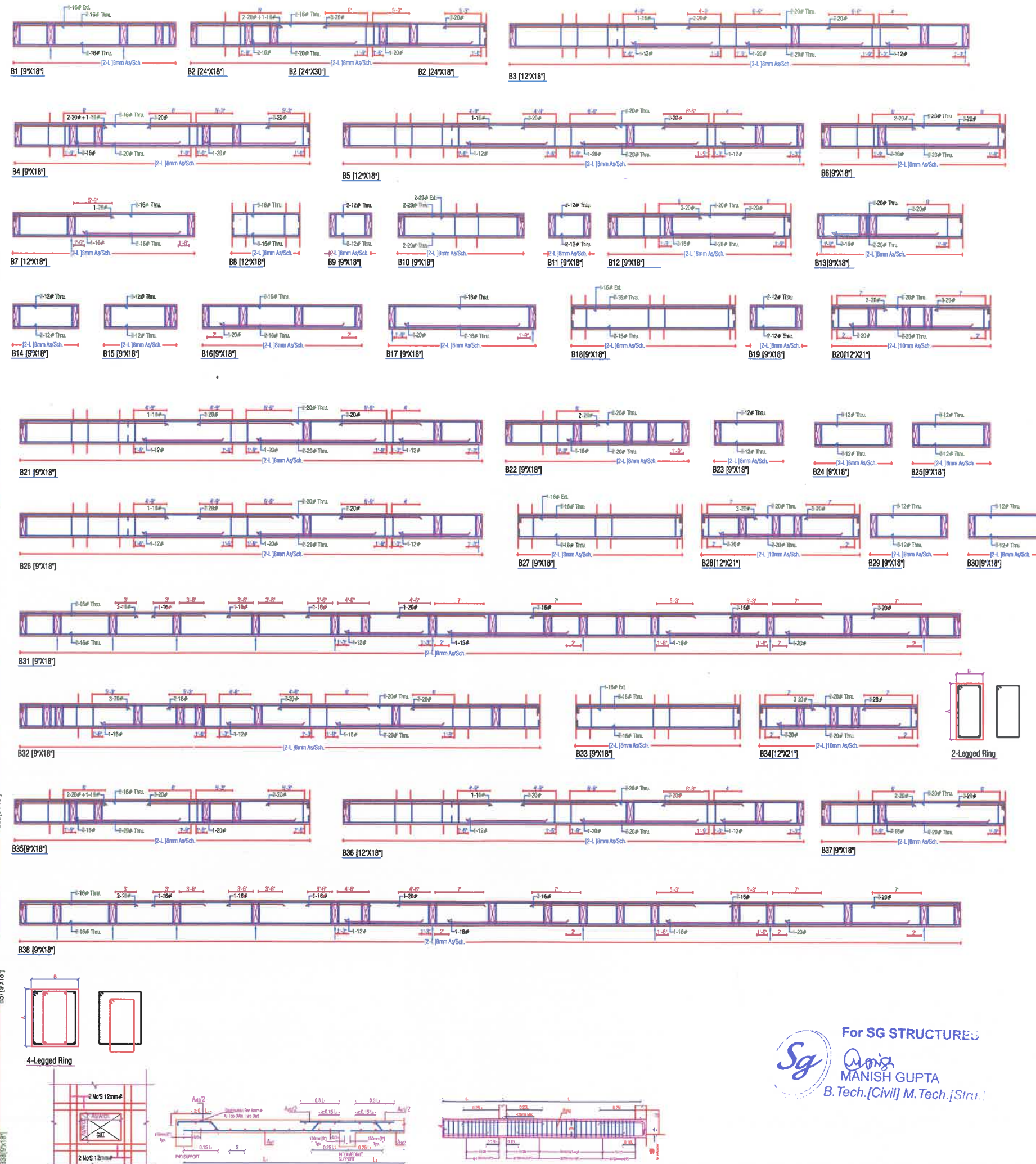
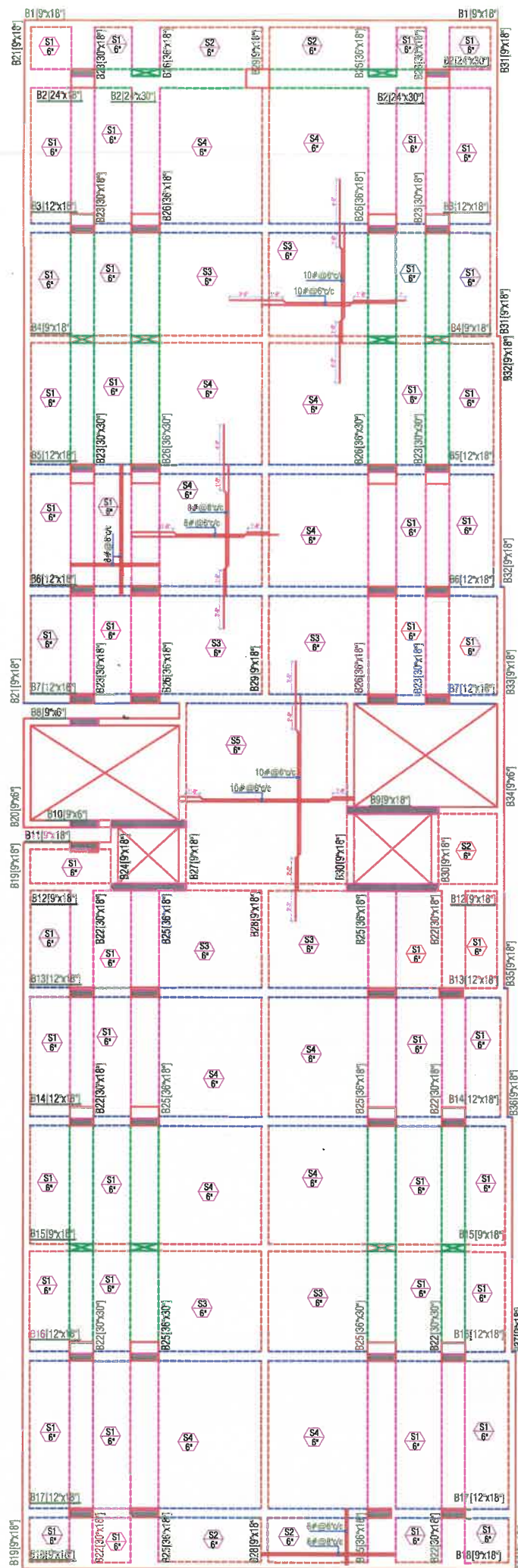
RAHUL SHARMA CHECK BY MANISH GUPTA APPROVED BY

DATE 20/08/2024 JOB NO. NORTH

PRINT ...../08/2024

For SG STRUCTURES  
Manish Gupta  
B.Tech.[Civil] M.Tech.[Stru.]





Grade Of Concrete  
For Foundation/Raft/Pedestal = M25  
For Stair Case = M25  
For Column/Lift Wall = M25  
For Beam & Slab = M25

Grade Of Reinforcement Steel  
TMT Bar Fe 550D

#### GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN INCH & FEET.
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.
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#### REINFORCEMENT DETAILS

Please Refer Drawing ST/4IN/JS-00

#### CONCRETE DETAILS

Please Refer Drawing ST/4IN/JS-00

| REV. | DATE | DESCRIPTION | REMARK |
|------|------|-------------|--------|
| R1   |      |             |        |
| R2   |      |             |        |
| R3   |      |             |        |
| R4   |      |             |        |

CLIENT:

M/S SHREE ENTERPRISES

ARCHITECTS:-

4 INSIDE  
ARCHITECTURE N INTERIORS  
Plot no. 72, S.P. Marg, C- Scheme  
Jaipur, Rajasthan, India  
cont: +91 9950595991, 91 9982812777  
e-mail: jeets.arch@gmail.com

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SG STRUCTURES  
A-36, BASEMENT, SUNDER SINGH BANDARI NAGAR,  
SWEJ FARM, NEW SANGANER ROAD, JAIPUR-302019  
E-mail: sg.structures@gmail.com  
Tel: 09772202219, 0141-2297076

PROJECT TITLE:-

THE SIGNATURE

PROJECT ADDRESS :-

PROPOSED RESIDENTIAL FLATS ON PLOT. NO.  
-O-29B SCHEME-6-D ENGINEERS COLONY  
"O" BLOCK, JAIPUR.

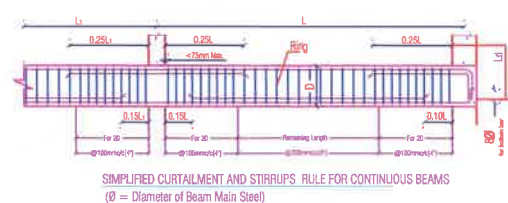
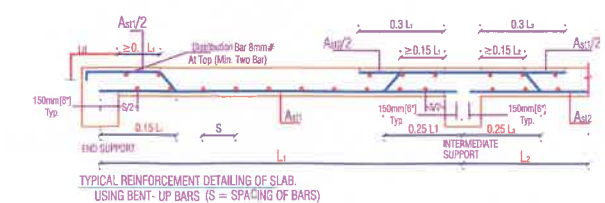
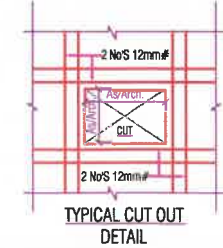
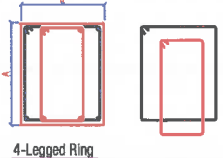
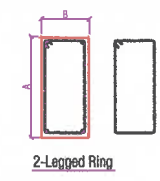
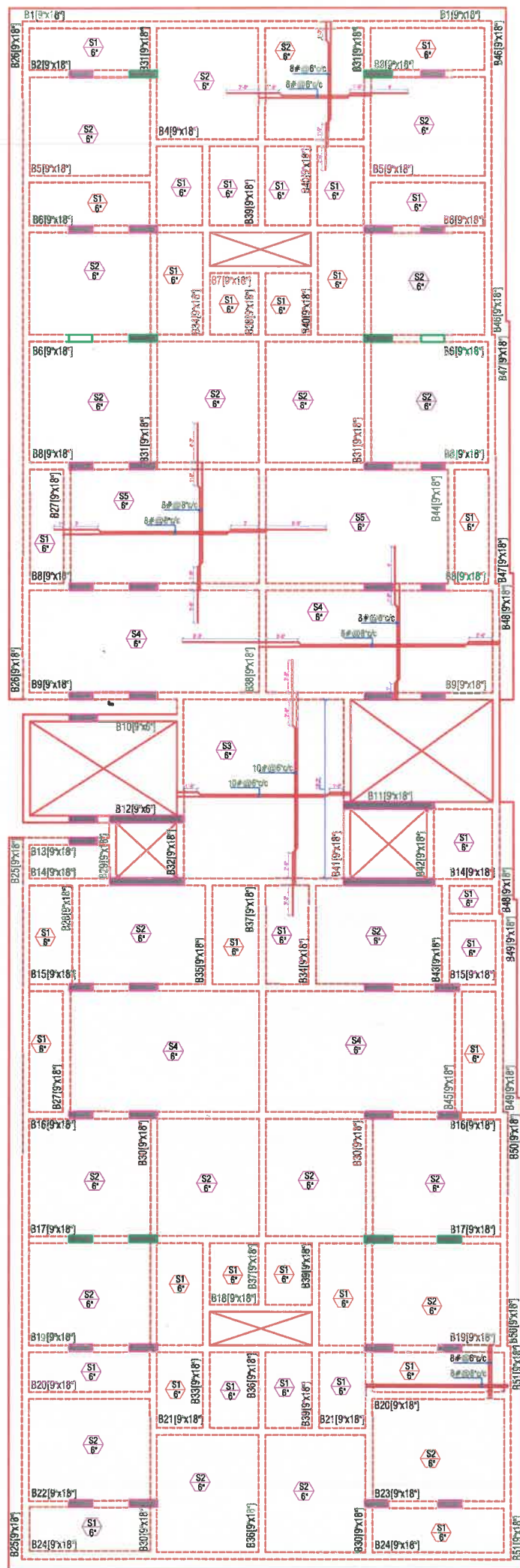
DRG. TITLE:-

STILT FLOOR ROOF LAYOUT & BEAM DETAIL

| SCALE                                       | DRG. NO.                    |
|---------------------------------------------|-----------------------------|
| SBC=12 MT/Sq.M@4.2M<br>Designed For=B+S+G+8 | ST-4IN-JS-06                |
| ASHOK KUMAR<br>DRAFT BY                     | RAHUL SHARMA<br>DESIGN BY   |
| RAHUL SHARMA<br>CHECK BY                    | MANISH GUPTA<br>APPROVED BY |
| DATE 24/08/2024<br>PRINT .../08/2024        | JOB.NO.<br>NORTH            |

For SG STRUCTURES  
Sg  
MANISH GUPTA  
B.Tech.[Civil] M.Tech.[Stru.]





**Grade Of Concrete**  
For Foundation/Raft/Pedestal= M25  
For Stair Case= M25  
For Column/Lift Wall= M25  
For Beam & Slab= M25

**Grade Of Reinforcement Steel**  
TMT Bar Fe 550D

- GENERAL NOTES:-**
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  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.
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**REINFORCEMENT DETAILS**  
Please Refer Drawing ST/4IN/JS-00

**CONCRETE DETAILS**  
Please Refer Drawing ST/4IN/JS-00

| REV. | DATE | DESCRIPTION | REMARK |
|------|------|-------------|--------|
| R1   |      |             |        |
| R2   |      |             |        |
| R3   |      |             |        |
| R4   |      |             |        |

CLIENT:  
**M/S SHREE ENTERPRISES**

ARCHITECTS:-  
**4 INSIDE**  
**ARCHITECTURE N INTERIORS**  
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Jaipur, Rajasthan, India  
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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: 09772202219, 0141-2297076

PROJECT TITLE:-  
**THE SIGNATURE**

PROJECT ADDRESS :-  
PROPOSED RESIDENTIAL FLATS ON PLOT. NO.  
-0-29B SCHEME-6-D ENGINEERS COLONY  
"O" BLOCK, JAIPUR.

DRG. TITLE:-  
**TYPICAL FLOOR ROOF LAYOUT & BEAM DETAIL**

| SCALE                                     | DRG. NO.                    |
|-------------------------------------------|-----------------------------|
| SBC=12 MT/Sq.M@4.2M<br>Designed For=S+G+8 | ST-4IN-JS-07                |
| ASHOK KUMAR<br>DRAFT BY                   | RAHUL SHARMA<br>DESIGN BY   |
| RAHUL SHARMA<br>CHECK BY                  | MANISH GUPTA<br>APPROVED BY |
| DATE 24/08/2024<br>PRINT .../08/2024      | JOB.NO.<br>NORTH            |