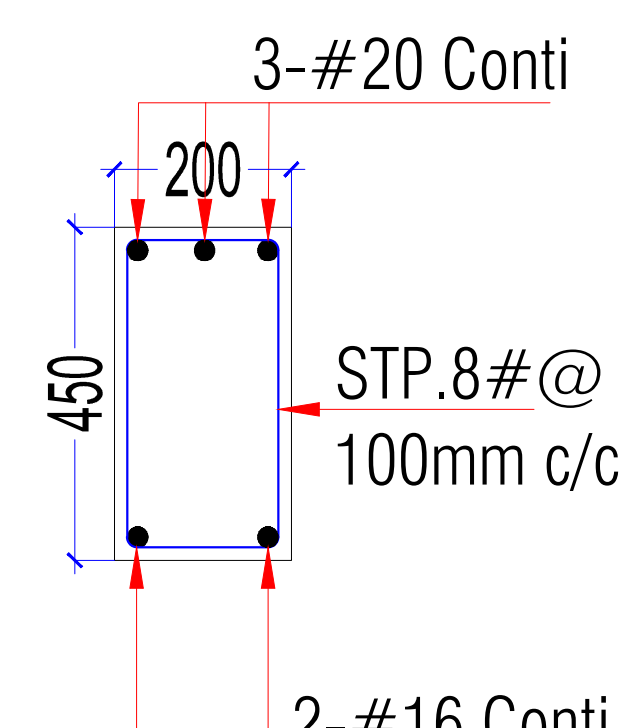
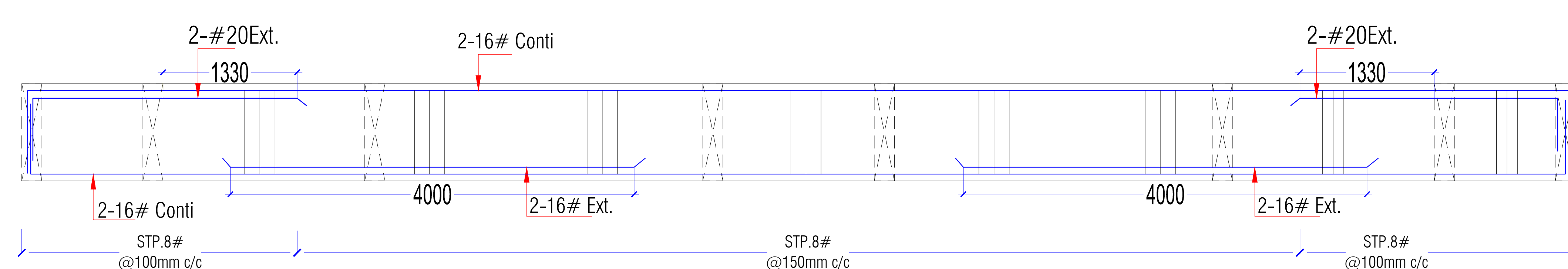


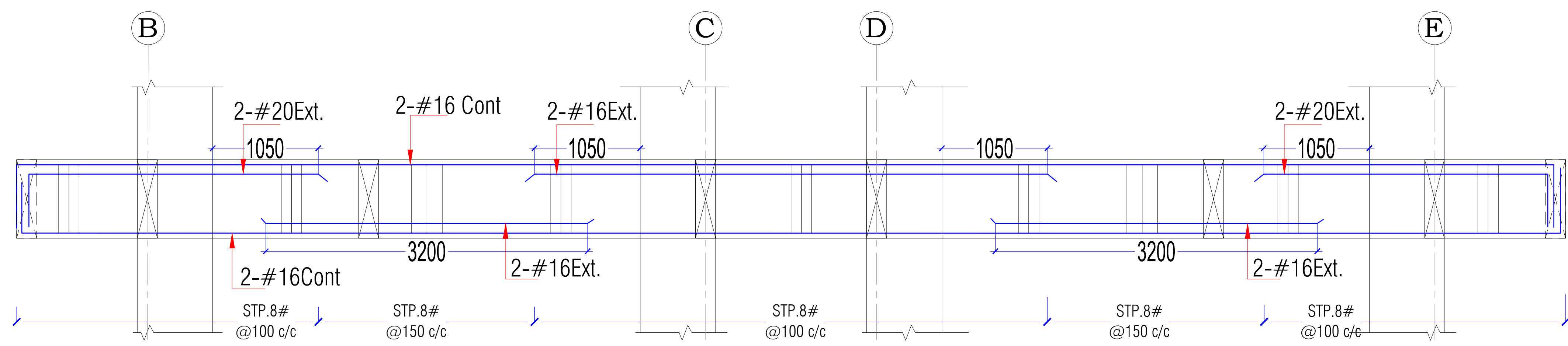
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LONGITUDINAL BEAM
CON:- M-25



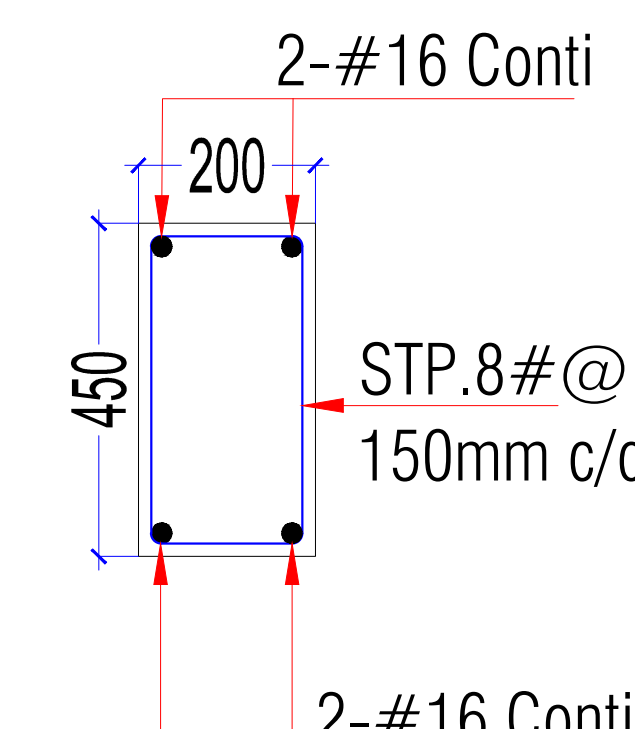
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CROSS SECTION
CON:- M-25



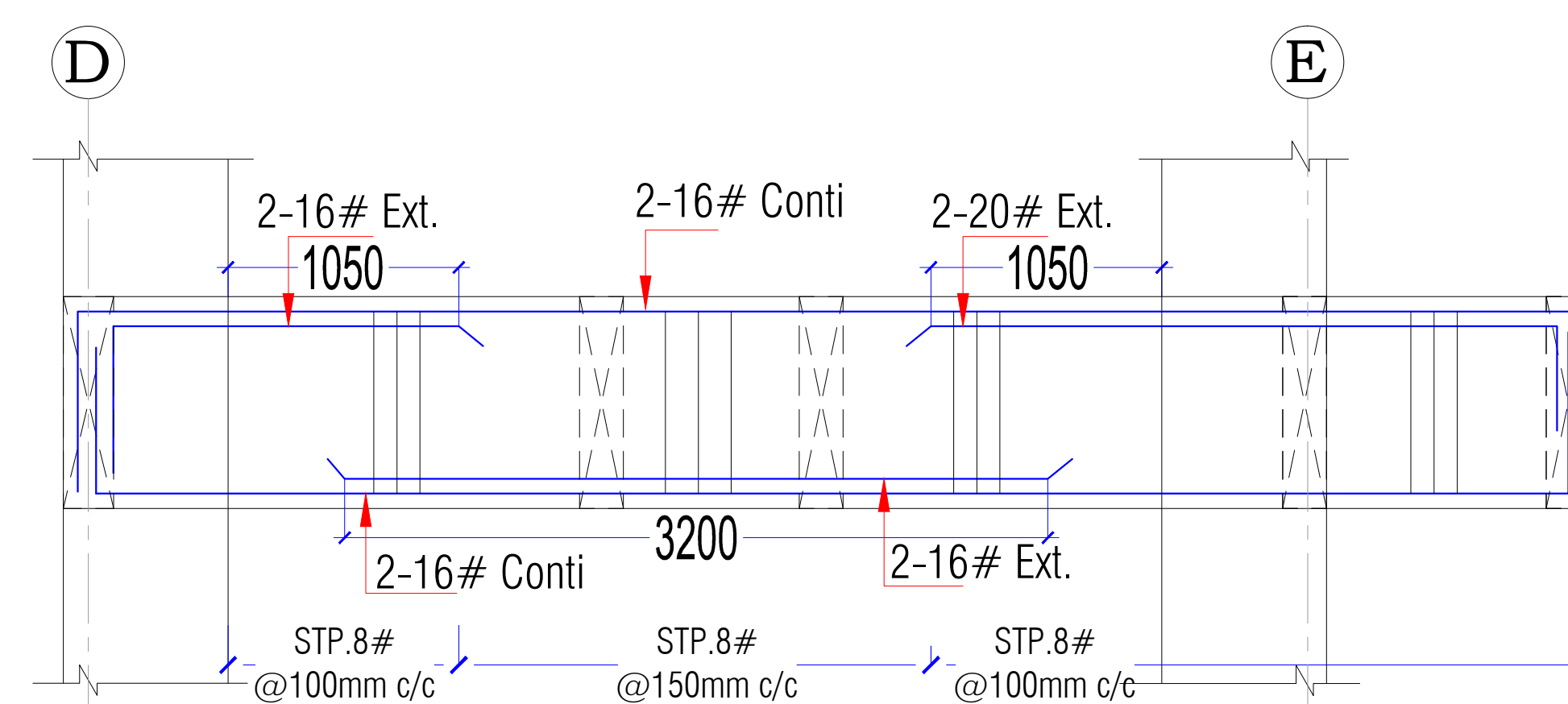
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LONGITUDINAL BEAM
CON:- M-25



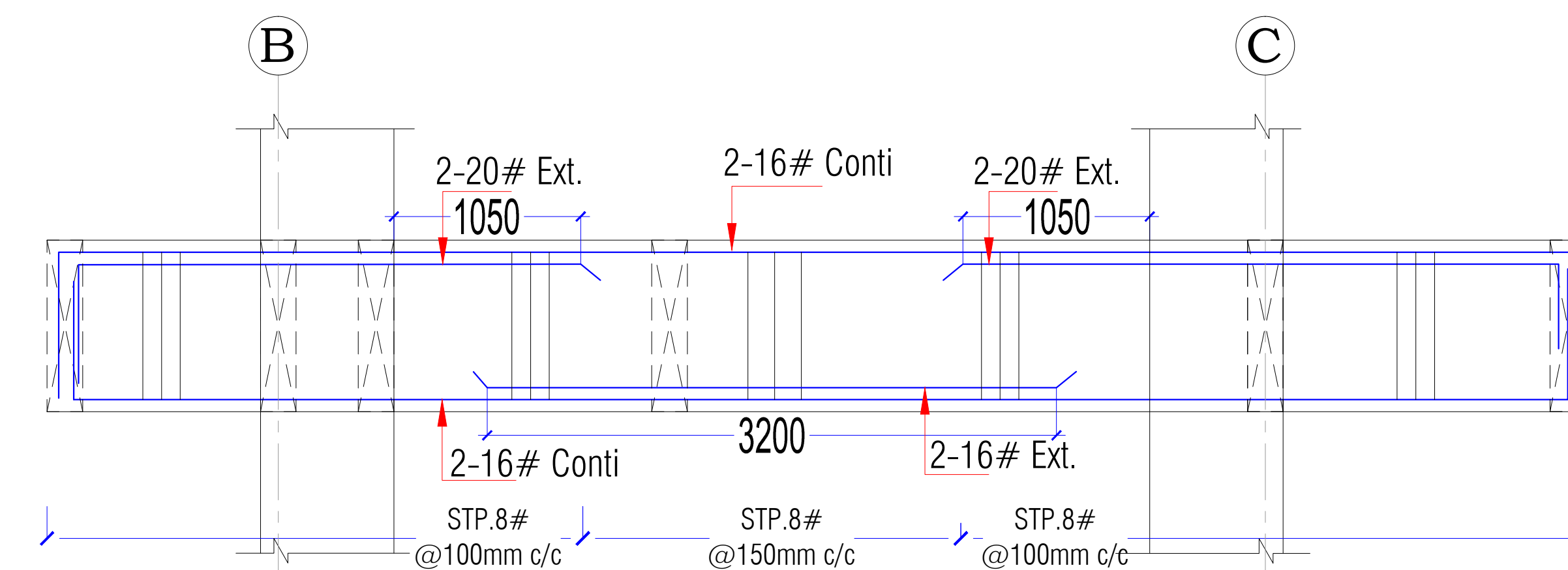
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CON:- M-25



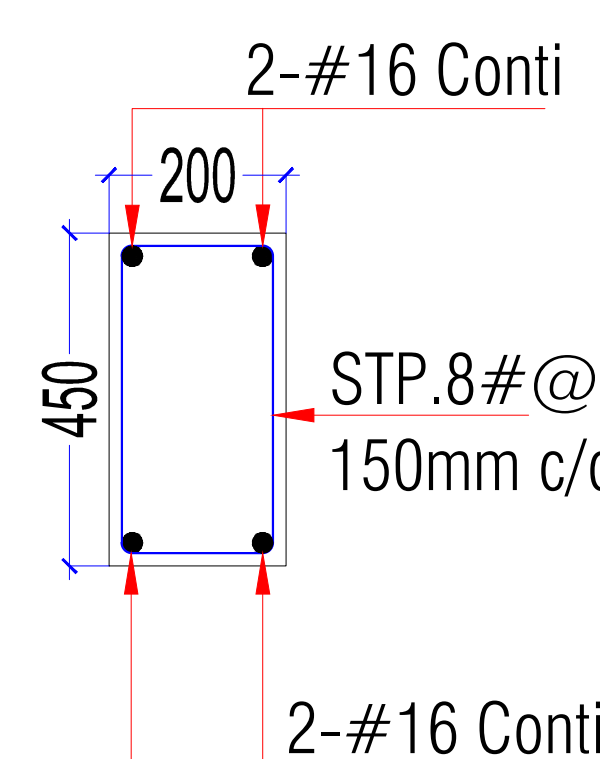
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CON:- M-25



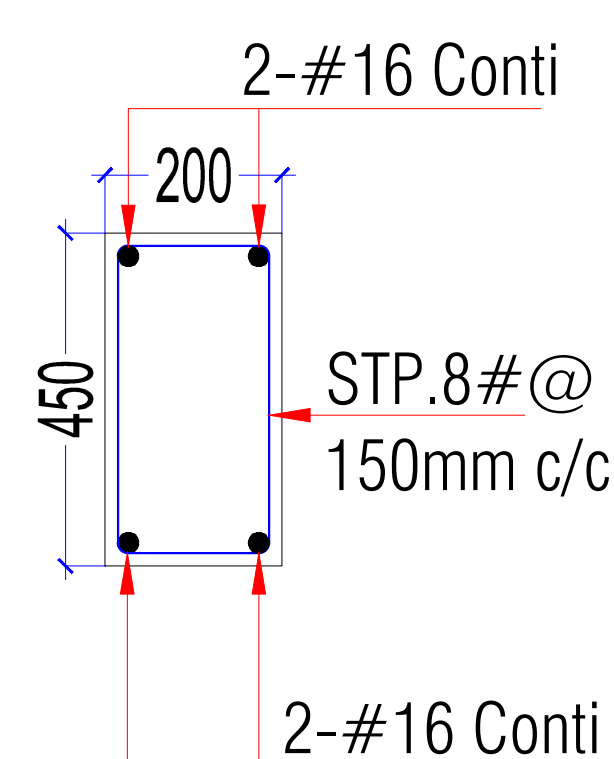
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CON:- M-25



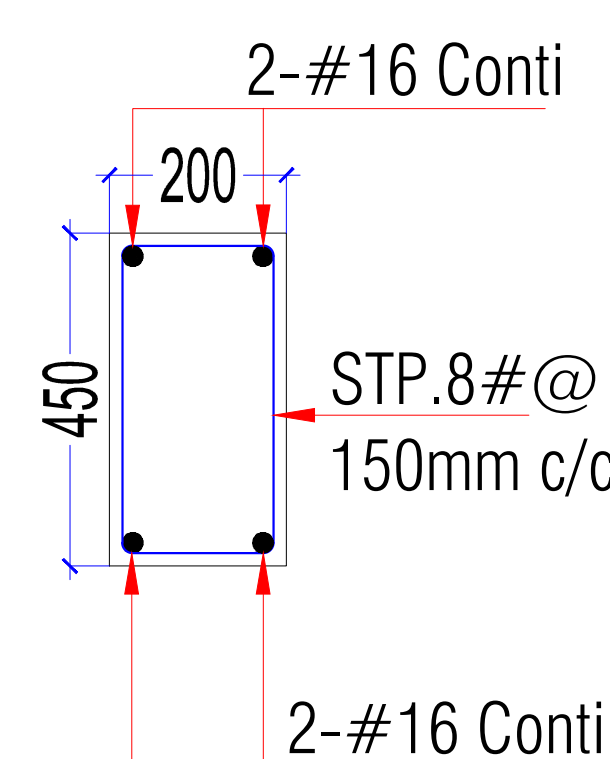
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LONGITUDINAL BEAM
CON:- M-25



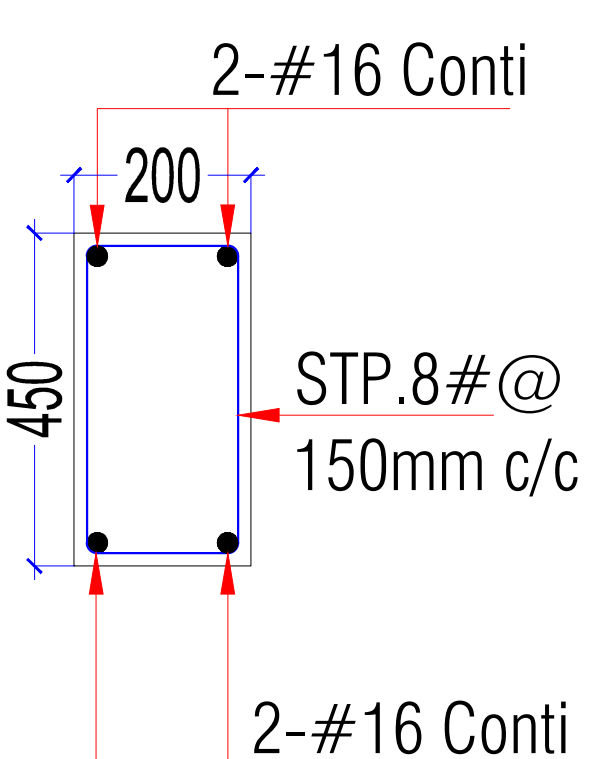
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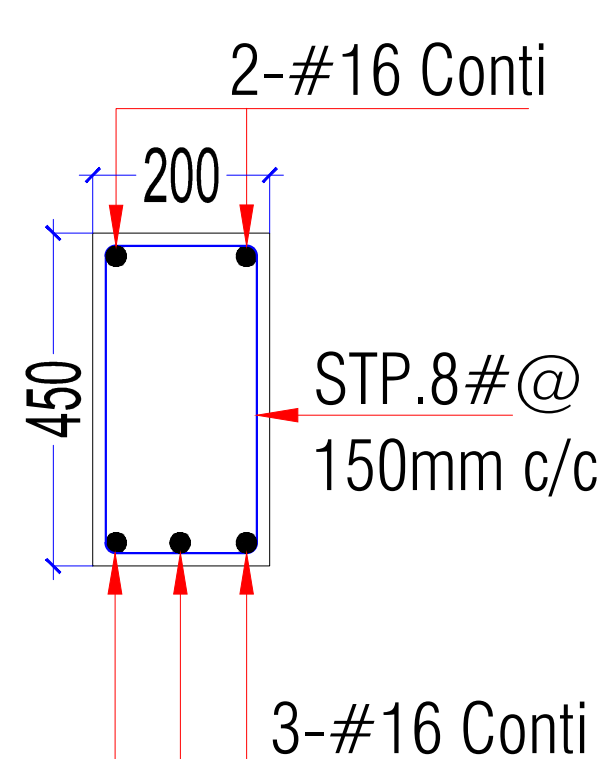
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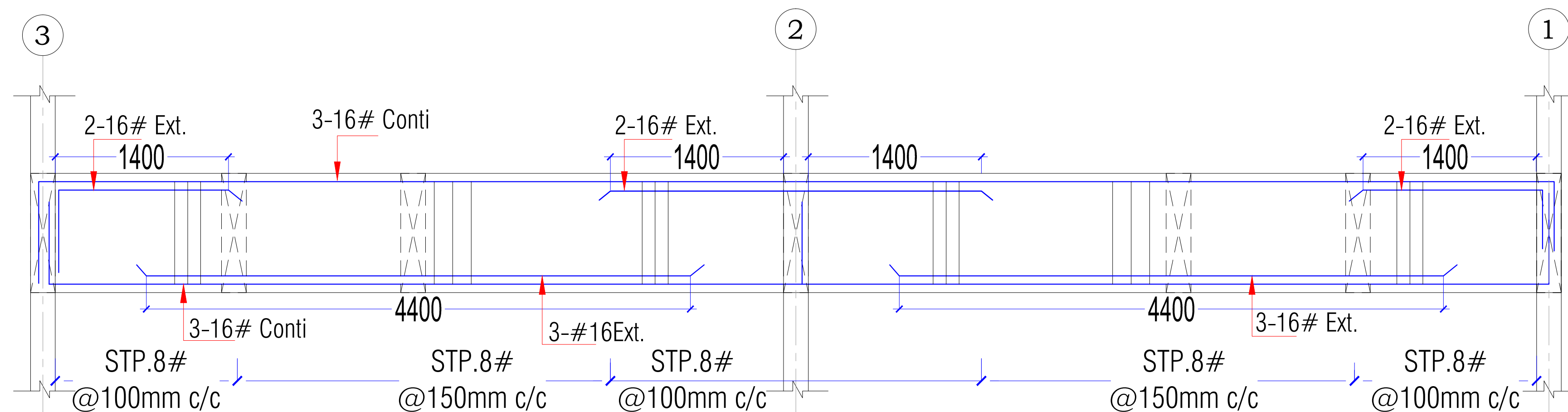
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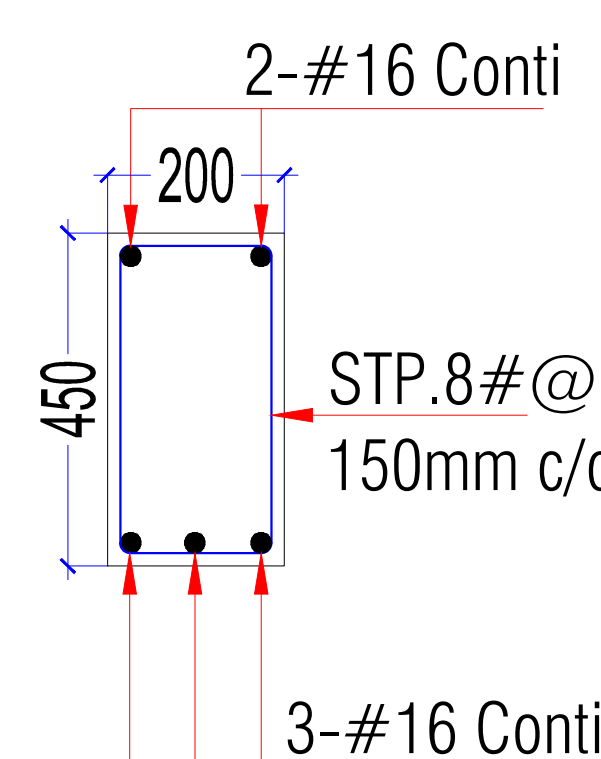
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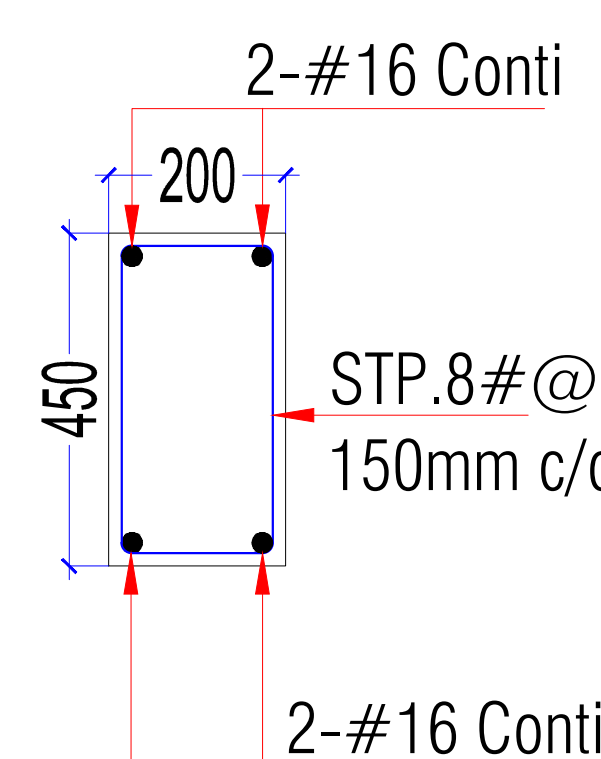
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CON:- M-25



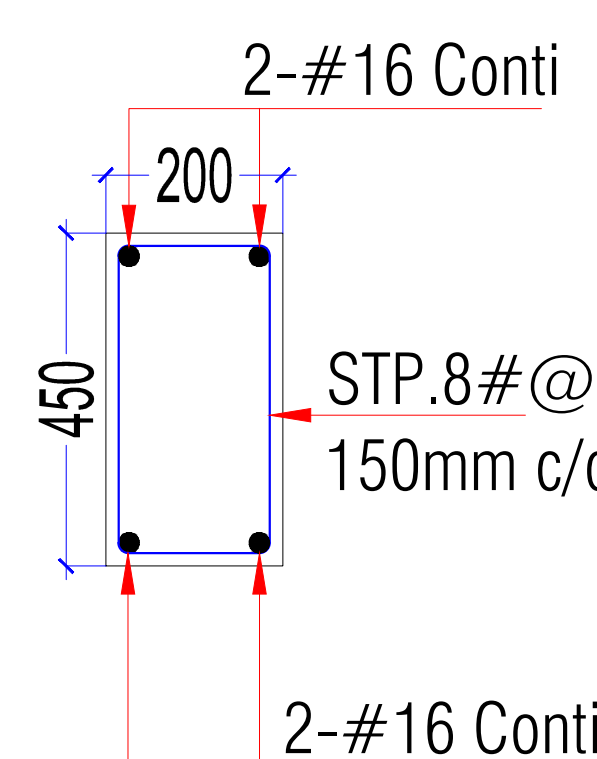
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LONGITUDINAL BEAM
CON:- M-25



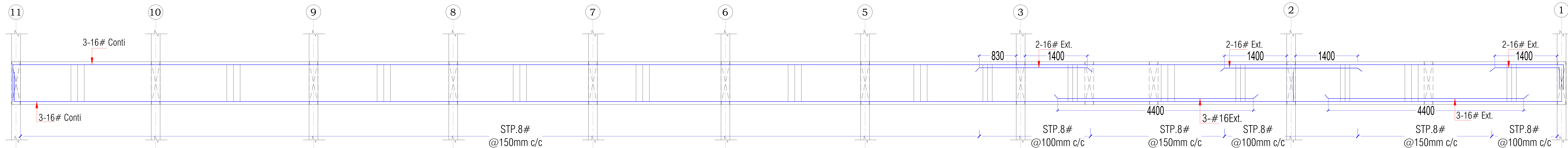
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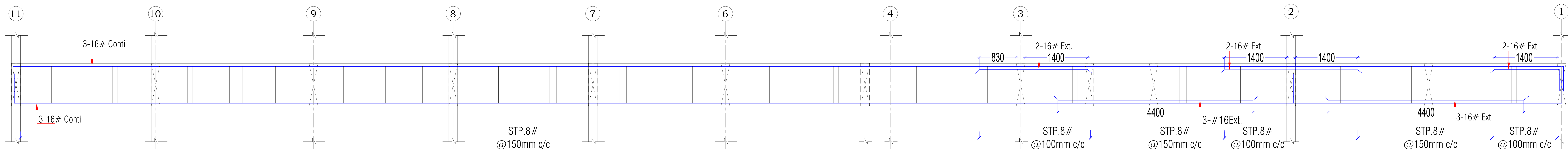
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CON:- M-25



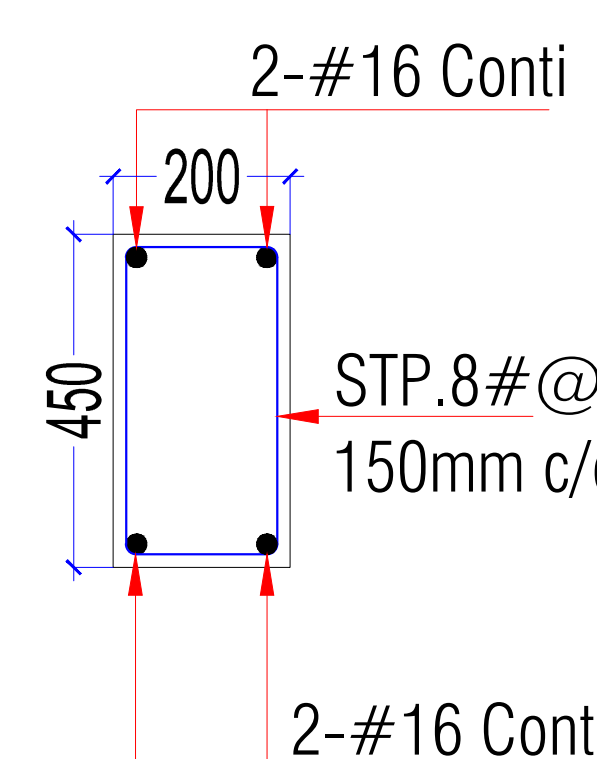
B-15(200X450)
CROSS SECTION
CON:- M-25



B-16(200X450)
LONGITUDINAL BEAM
CON:- M-25



B-17(200X450)
LONGITUDINAL BEAM
CON:- M-25



B-14(200X450)
CROSS SECTION
CON:- M-25

KAMAL KUMAR SHARMA
B.Tech (Civil) M.Tech (Structure)
CE of IET
Reg. No. - AM181487-5

STRUCTURE CONSULTANT



ARCHITECTS

PANKAJ GUPTA & ASSOCIATES
Flat no. 603 B, Golden Leaf Apartment, Tonk
Road, Near Gandhi Nagar Station, Jaipur-15

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- (2). THE SOIL SHOULD NOT LIABLE TO LIQUEFACTION DUE TO EARTHQUAKES.
- (3). THE SOIL SHOULD NOT LIABLE TO LANDSLIDE HAZARD.

CONSTRUCTION PRACTICE :-

- P1. IT IS MANDATORY TO REMOVE ALL LOOSE SOIL TILL THE FIRM SOIL IS REACHED.
- P2. BACK FILLING AROUND THE FOUNDATIONS SHALL BE CARRIED OUT USING SOIL, SAND WITHOUT GRAVEL AND PEBBLES.
- P3. IT IS ADVISABLE TO ALLOW STANDING WATER IN THE EXCAVATION TRENCHES FOR 24 HOURS. WHEN THE SURFACE IS SEMIDRY, HAND RAMMING SHALL BE CARRIED OUT WITH AT LEAST 6 TO 8 PASSES.
- P4. BACK FILLING OF BASEMENT WALLS SHALL BE DONE ONLY AFTER THE ROOF SLAB HAS BEEN DEPROPPED.
- P5. IN NORMAL CIRCUMSTANCES AND WHERE ORDINARY PORTLAND CEMENT IS USED, FORMS MAY GENERALLY BE REMOVED AFTER THE EXPIRY OF THE FOLLOWING PERIODS:
 - * WALLS, COLUMNS AND VERTICAL FACES OF ALL MEMBERS 36 TO 48 HOURS
 - * SLABS (PROPS LEFT UNDER) 3 DAYS
 - * BEAM SOFFITS (PROPS LEFT UNDER) 7 DAYS
 - * REMOVAL OF PROPS UNDER SLABS
 - SPANNING UP TO 4500 7 DAYS
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 - SPANNING UP TO 6000 14 DAYS
 - SPANNING OVER 6000 21 DAYS

CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC WORK SHALL BE CARRIED OUT AS PER IS-456-2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	470	380
M-25	400	320
M-30	380	300
M-35	330	270
M-40	300	240

REINFORCING STEEL :-

- R1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS: 1786:2008.
- R2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERSTIC STRENGTH OF 500D N/mm².
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
 - * FOUNDATION 50 mm. ALL AROUND
 - * COLUMNS 40 mm. ALL AROUND
 - * BEAMS 30 mm. ALL AROUND
 - * SLABS 20 mm. TOP & BOTTOM
 - * WALLS 25 mm. EARTH FACE
 - * WALLS 20 mm. INNER FACE

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
 - * FOUNDATION -M-25
 - * COLUMNS -AS/SCHEDULES
 - * ROOF -M-25

- (2). GRADE OF STEEL SHALL BE- F500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.
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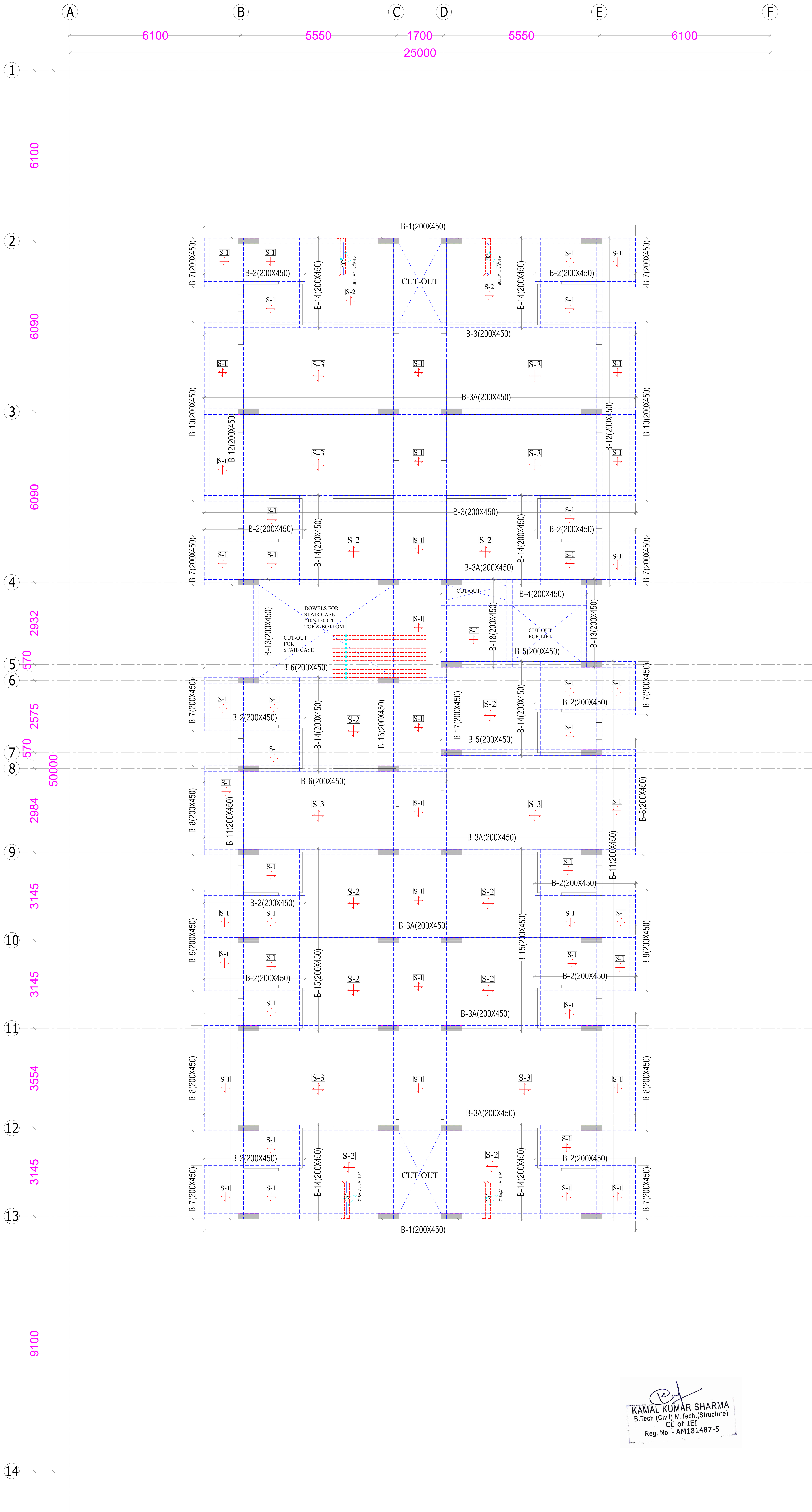
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

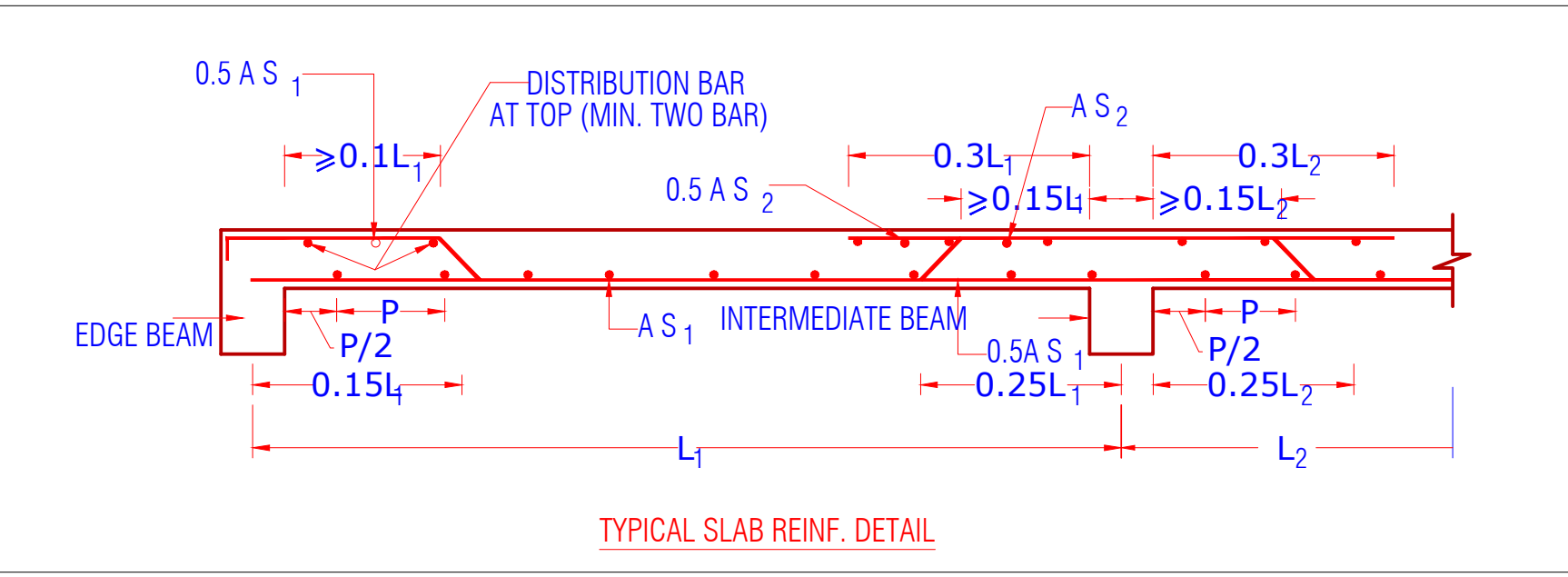
DRAWING TITLE

STILT FLOOR ROOF BEAM DESIGN

DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AS1-02
DATE:	13-02-2025



R.C.C. SLAB DETAILS:-					
SLAB NO.	SHORT SPAN	LONG SPAN	DISTRIBUTION BARS AT CRANK	THICK	GRADE
S-1	#8@150C/C	#8@150C/C	#8@150C/C	150MM	M-25
S-2	#10@175C/C	#10@175C/C	#8@150C/C	150MM	M-25
S-3	#10@150C/C	#10@150C/C	#8@150C/C	150MM	M-25



STRUCTURE CONSULTANT



YUKTA ENGINEERING CONSULTANCY
A-34, Padmavati colony kings road, Nirman nagar, Jaipur-302019
Mobile : +91 8952912598, 8058288688
E mail : yuktaconsultancy@yahoo.com

ARCHITECTS

PANKAJ GUPTA & ASSOCIATES
Flat no. 603 B, Golden Leaf Apartment, Tonk
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EXCAVATION CHECK :-

- (1). THE PROPER SOIL INVESTIGATION HAS BEEN CARRIED OUT FOR DETERMINING THE SAFE BEARING CAPACITY.
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- (3). THE SOIL SHOULD NOT LIABLE TO LANDSLIDE HAZARD.

CONSTRUCTION PRACTICE :-

- P1. IT IS MANDATORY TO REMOVE ALL LOOSE SOIL TILL THE FIRM SOIL IS REACHED.
- P2. BACK FILLING AROUND THE FOUNDATIONS SHALL BE CARRIED OUT USING SOIL, SAND WITHOUT GRAVEL AND PEBBLES.
- P3. IT IS ADVISABLE TO ALLOW STANDING WATER IN THE EXCAVATION TRENCHES FOR 24 HOURS. WHEN THE SURFACE IS SEMIDRY, HAND RAMMING SHALL BE CARRIED OUT WITH AT LEAST 6 TO 8 PASSES.
- P4. BACK FILLING OF BASEMENT WALLS SHALL BE DONE ONLY AFTER THE ROOF SLAB HAS BEEN DEPROPPED.
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CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC. WORK SHALL BE CARRIED OUT AS PER IS-456-2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
M-35	33Ø	27Ø
M-40	30Ø	24Ø

REINFORCING STEEL :-

- R1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS:1786:2008.
- R2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERSTIC STRENGTH OF 500D N/mm².
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
 - * FOUNDATION 50 mm. ALL AROUND
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 - * BEAMS 30 mm. ALL AROUND
 - * SLABS 20 mm. TOP & BOTTOM
 - * WALLS 25 mm. EARTH FACE
 - * WALLS 20 mm. INNER FACE

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
 - * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.

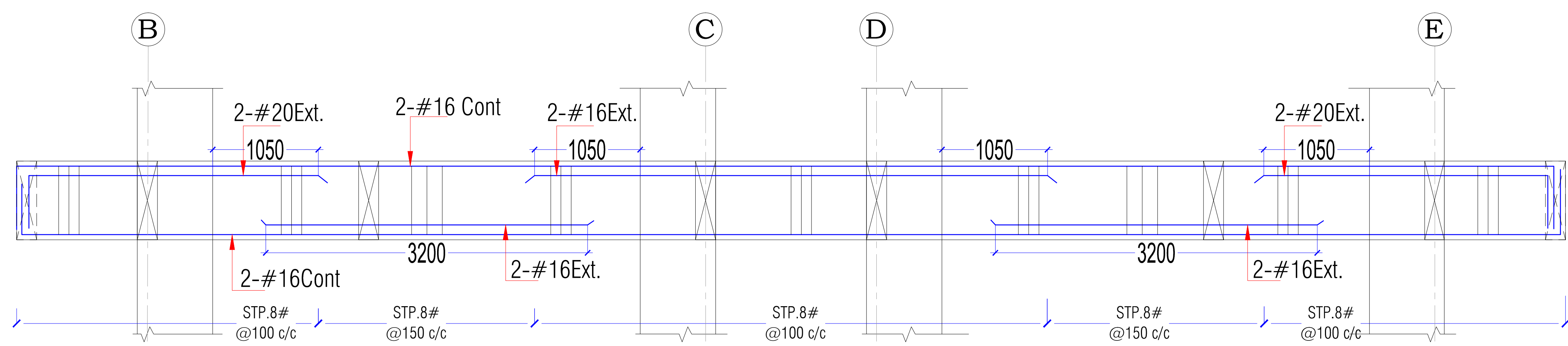
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

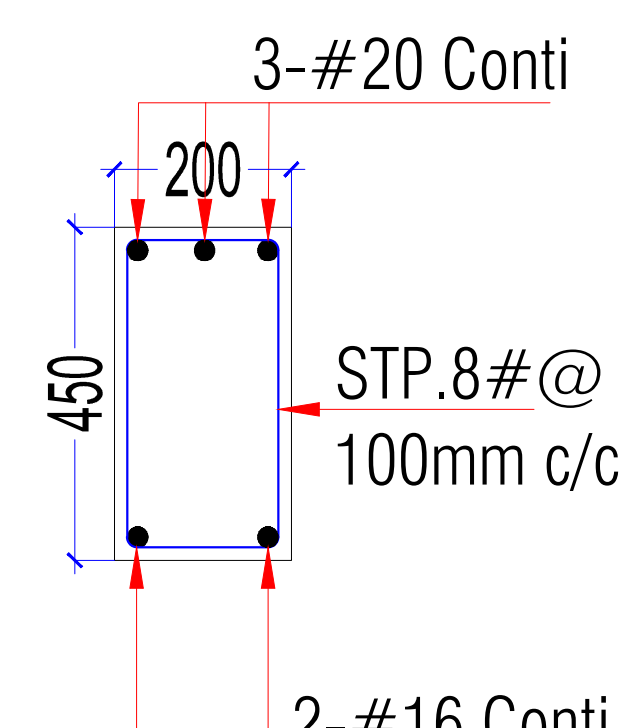
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STILT FLOOR ROOF SLAB DESIGN

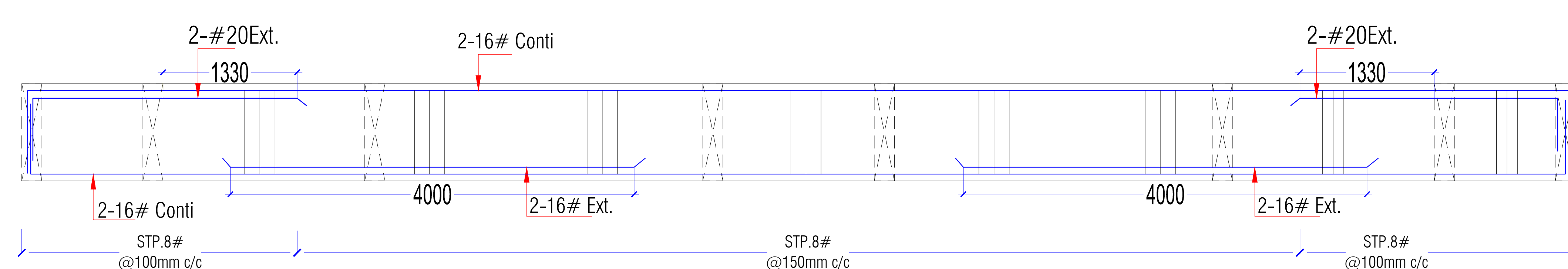
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DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AS1-01
DATE:	13-02-2025



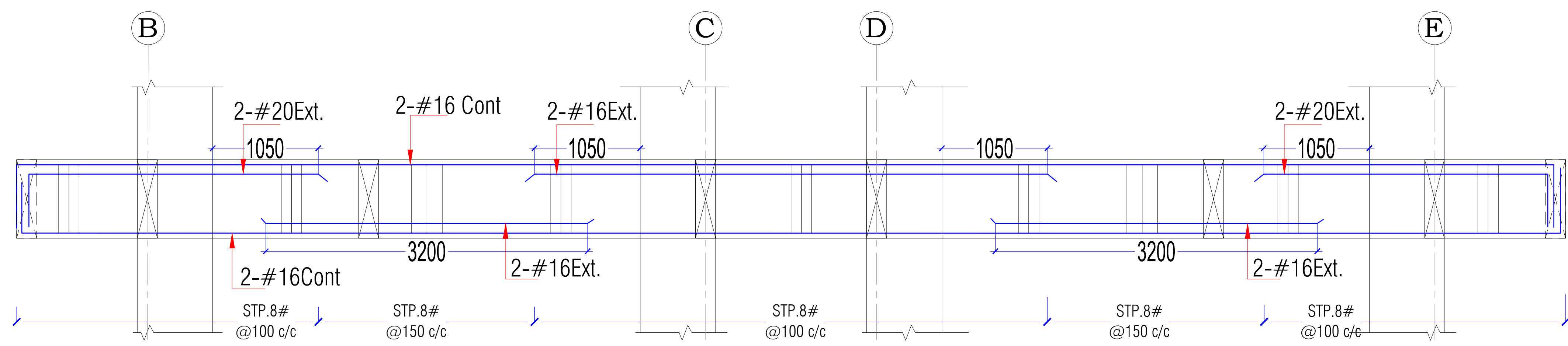
B-1(230X450)
LONGITUDINAL BEAM
CON:- M-25



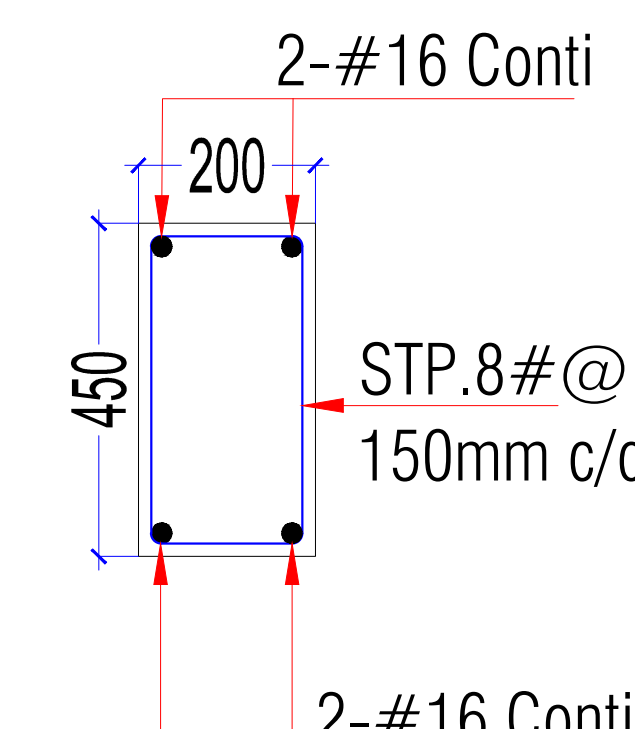
B-2(200X450)
CROSS SECTION
CON:- M-25



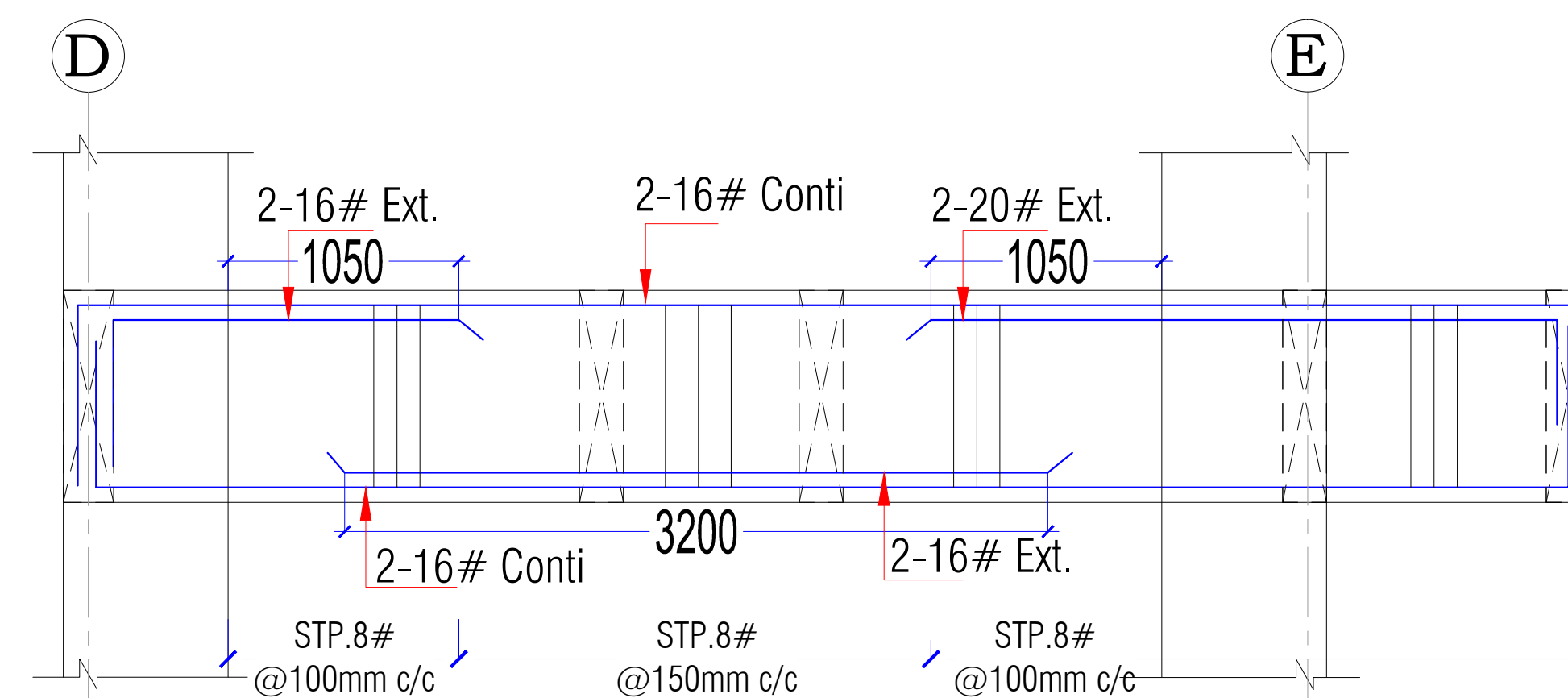
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CON:- M-25



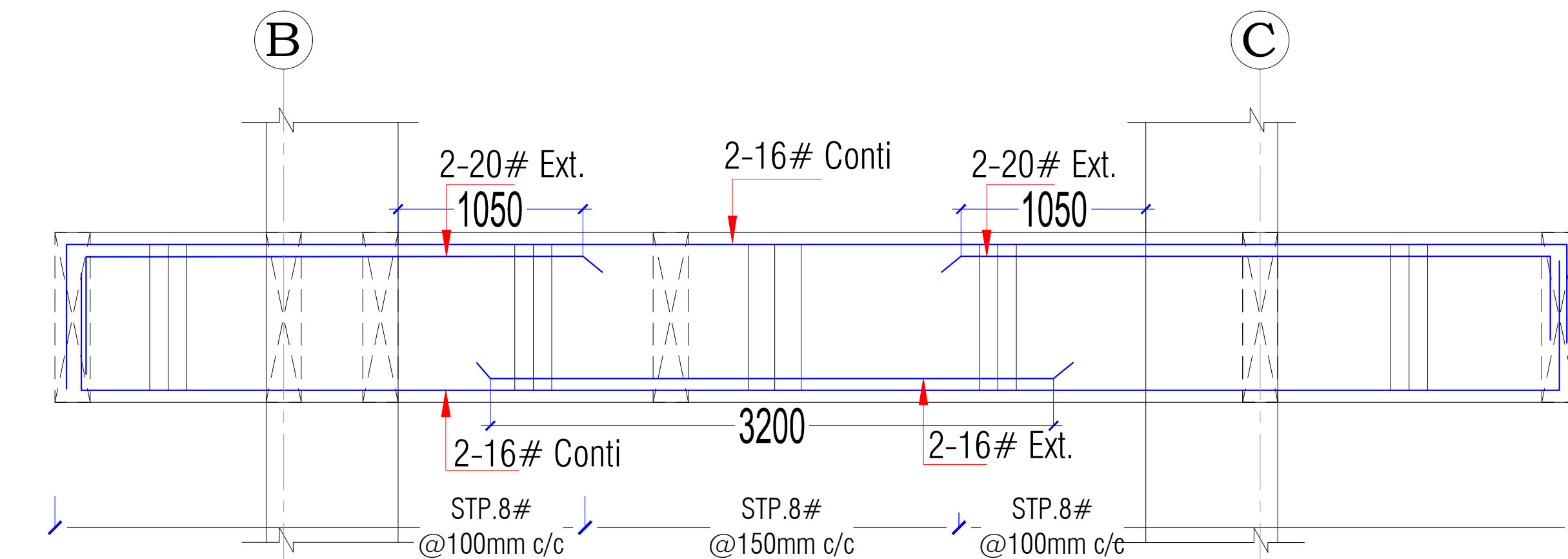
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LONGITUDINAL BEAM
CON:- M-25



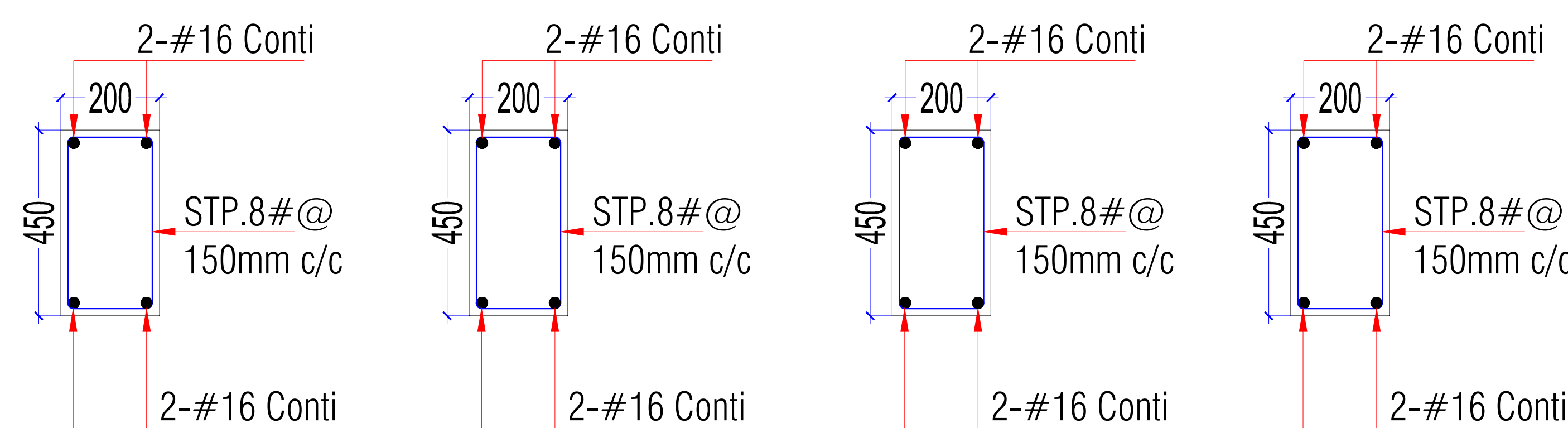
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CON:- M-25



B-5(200X450)
LONGITUDINAL BEAM
CON:- M-25



B-6(200X450)
LONGITUDINAL BEAM
CON:- M-25



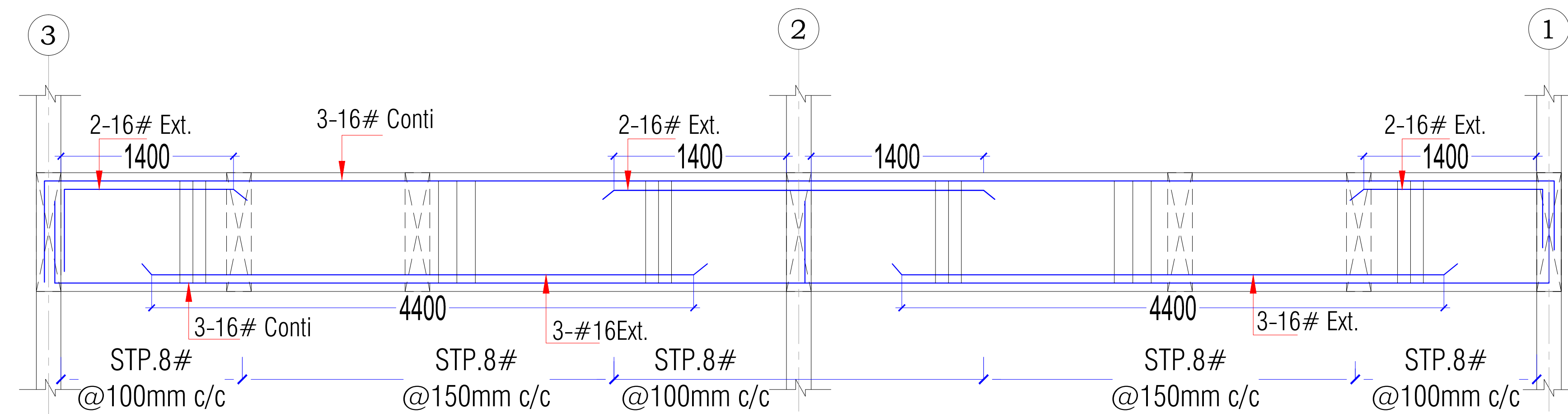
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CON:- M-25

B-8(200X450)
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CON:- M-25

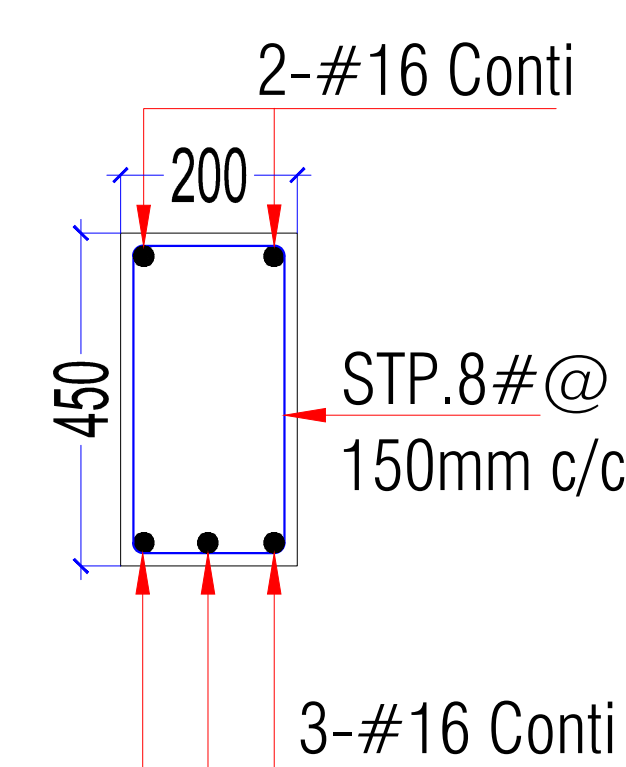
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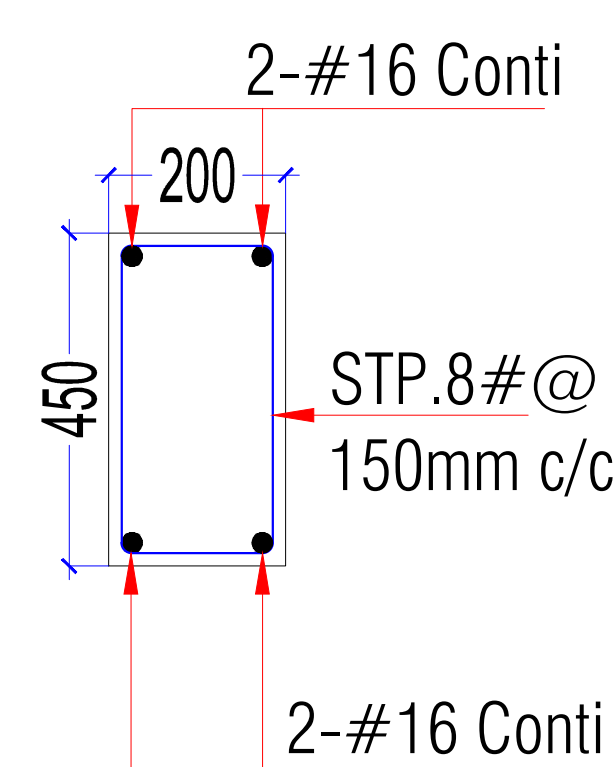
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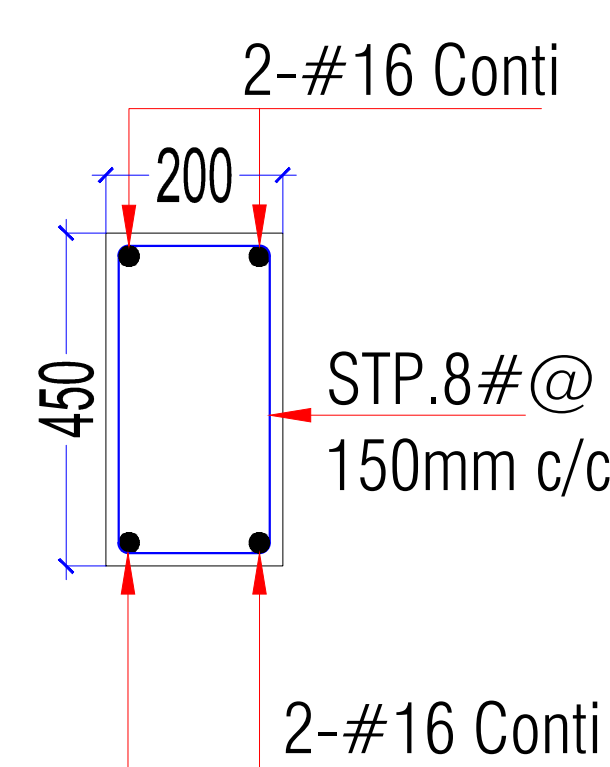
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LONGITUDINAL BEAM
CON:- M-25



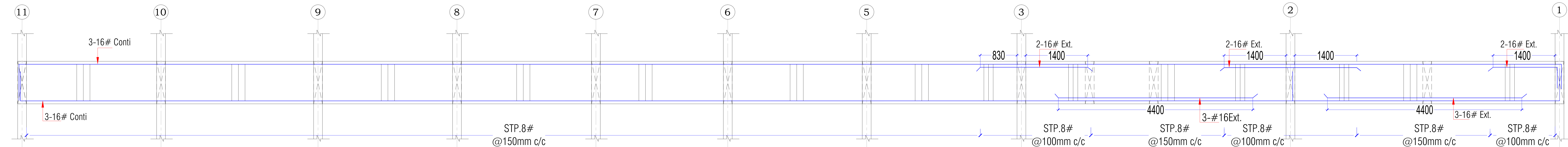
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CROSS SECTION
CON:- M-25



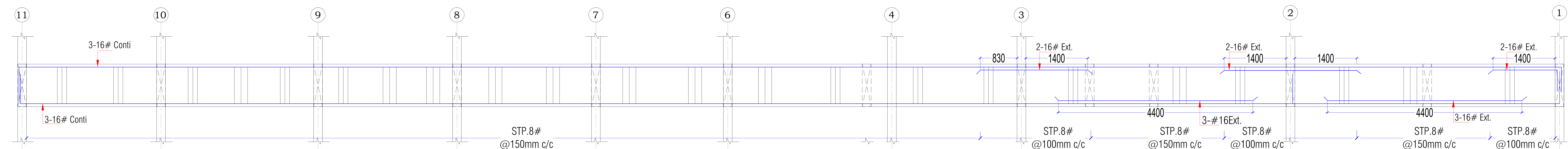
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CON:- M-25



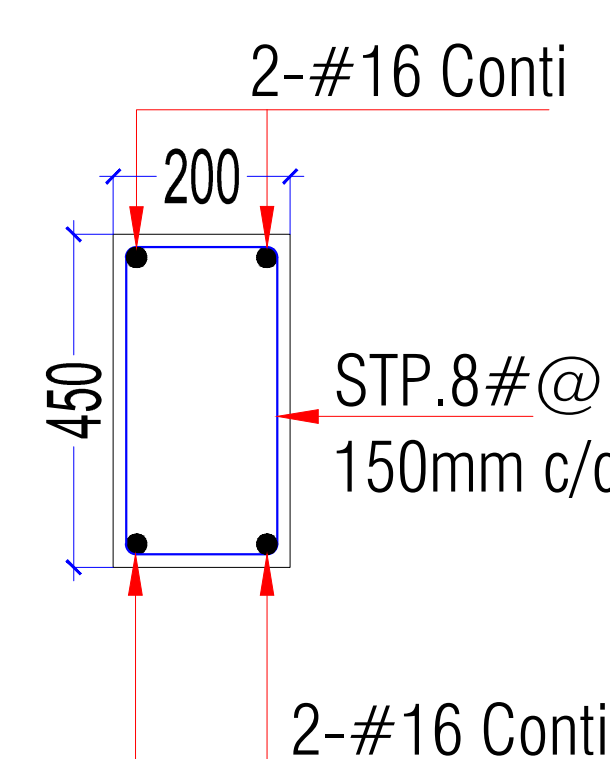
B-15(200X450)
CROSS SECTION
CON:- M-25



B-16(200X450)
LONGITUDINAL BEAM
CON:- M-25



B-17(200X450)
LONGITUDINAL BEAM
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B-14(200X450)
CROSS SECTION
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M-25	400	320
M-30	380	300
M-35	330	270
M-40	300	240

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 - * FOUNDATION 50 mm. ALL AROUND
 - * COLUMNS 40 mm. ALL AROUND
 - * BEAMS 30 mm. ALL AROUND
 - * SLABS 20 mm. TOP & BOTTOM
 - * WALLS 25 mm. EARTH FACE
 - * WALLS 20 mm. INNER FACE

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
 - * FOUNDATION -M-25
 - * COLUMNS -AS/SCHEDULES
 - * ROOF -M-25
- (2). GRADE OF STEEL SHALL BE- F 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.
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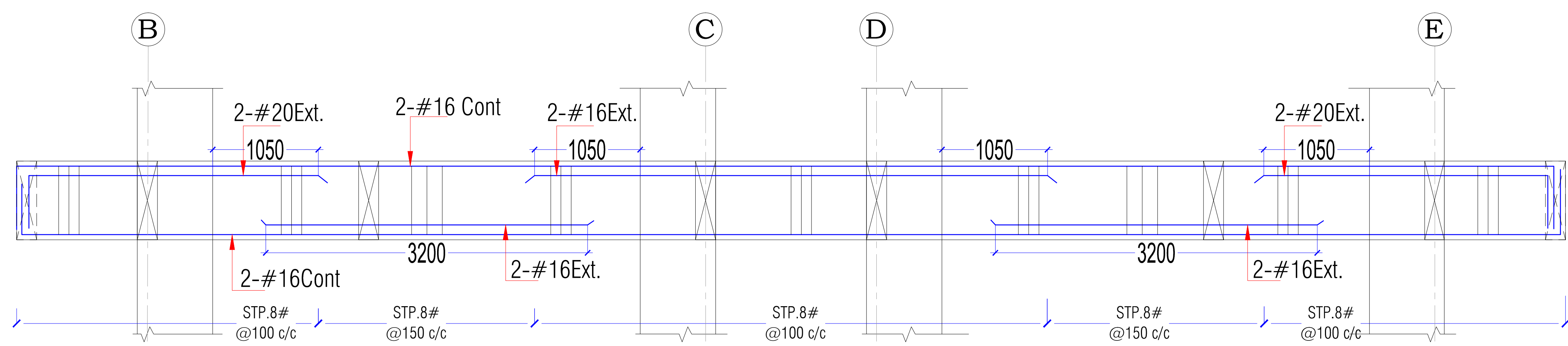
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
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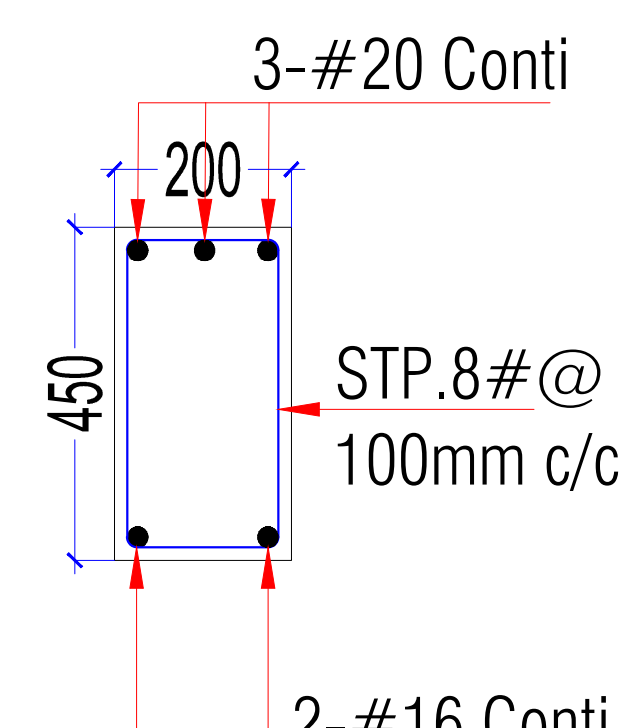
DRAWING TITLE

FIRST TO SEVENTH FLOOR ROOF BEAM DESIGN

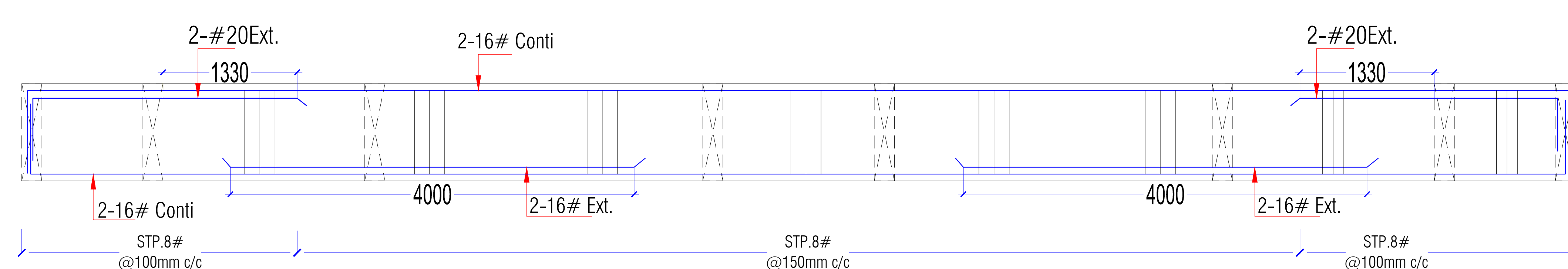
DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AS2-02
DATE:	13-02-2025



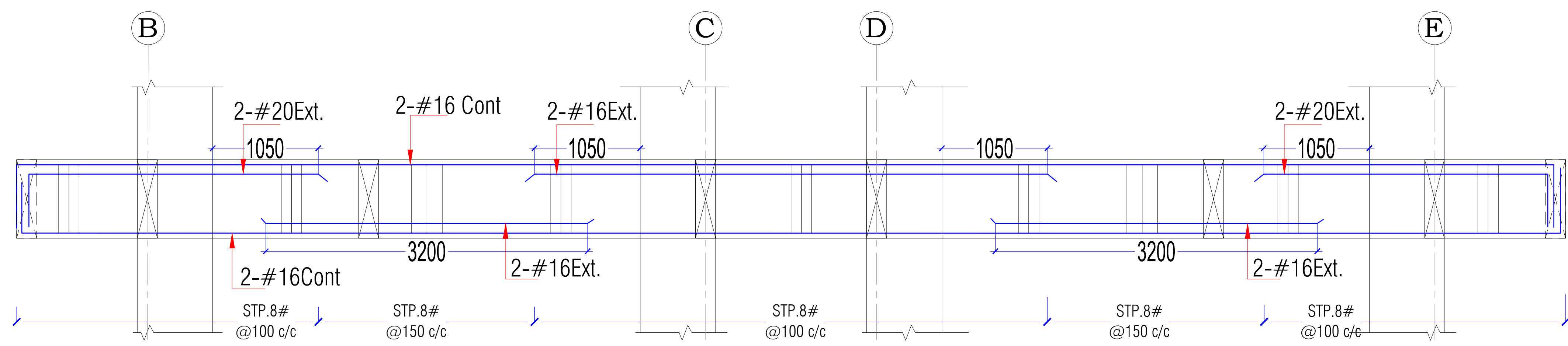
B-1(230X450)
LONGITUDINAL BEAM
CON:- M-25



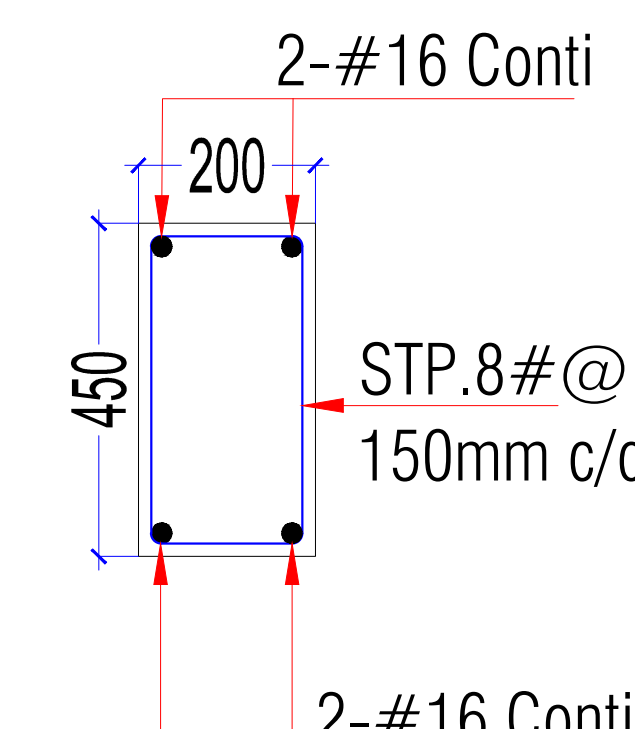
B-2(200X450)
CROSS SECTION
CON:- M-25



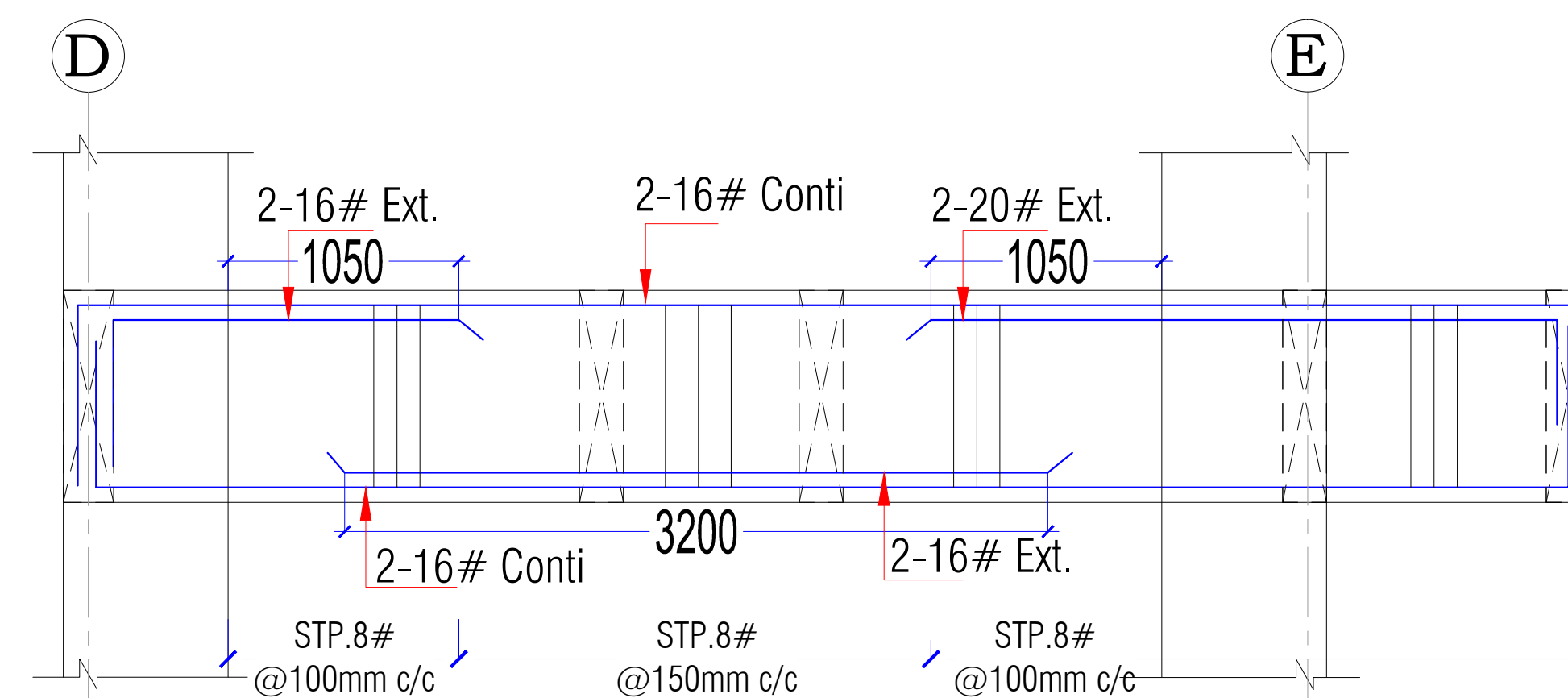
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LONGITUDINAL BEAM
CON:- M-25



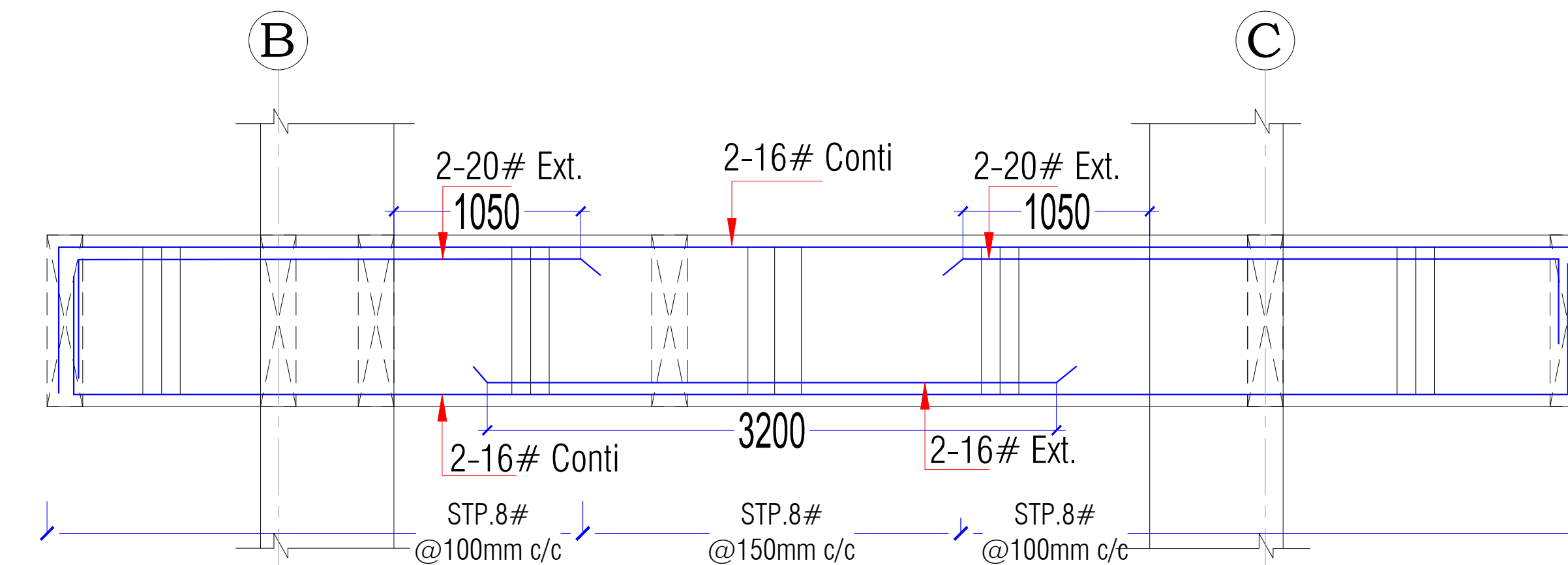
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LONGITUDINAL BEAM
CON:- M-25



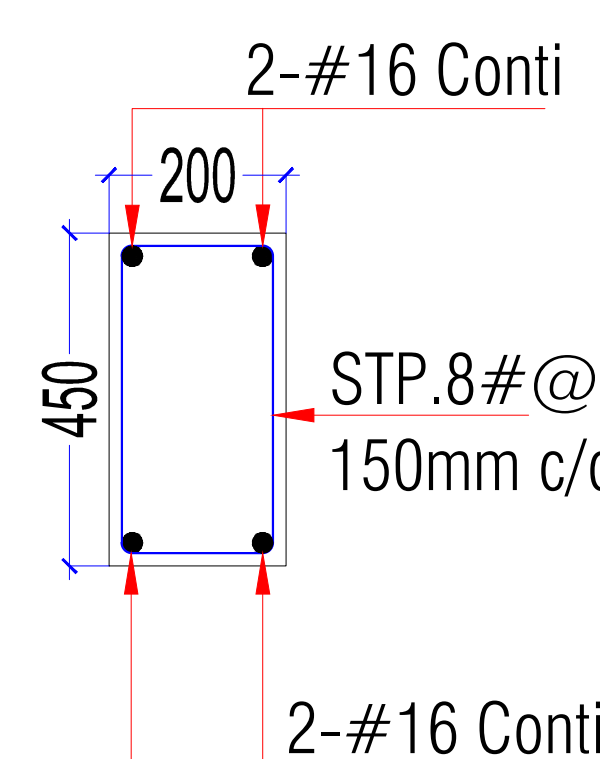
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CON:- M-25



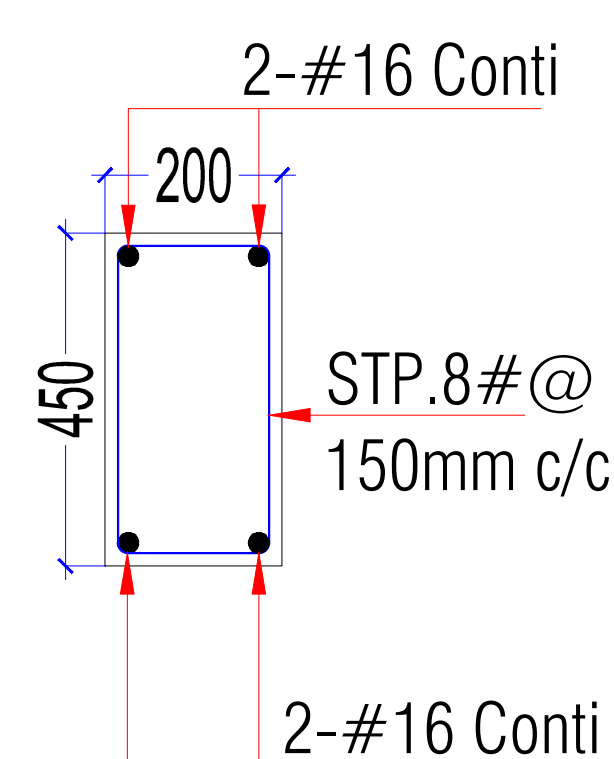
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CON:- M-25



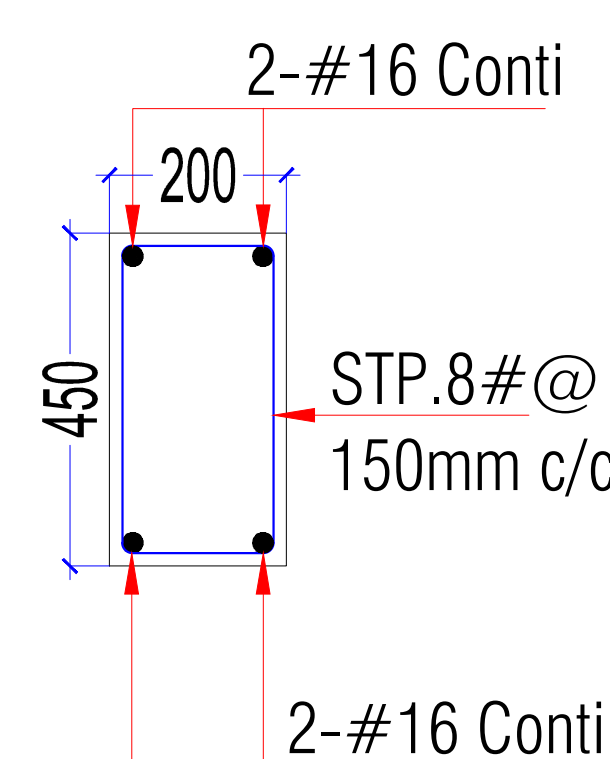
B-6(200X450)
LONGITUDINAL BEAM
CON:- M-25



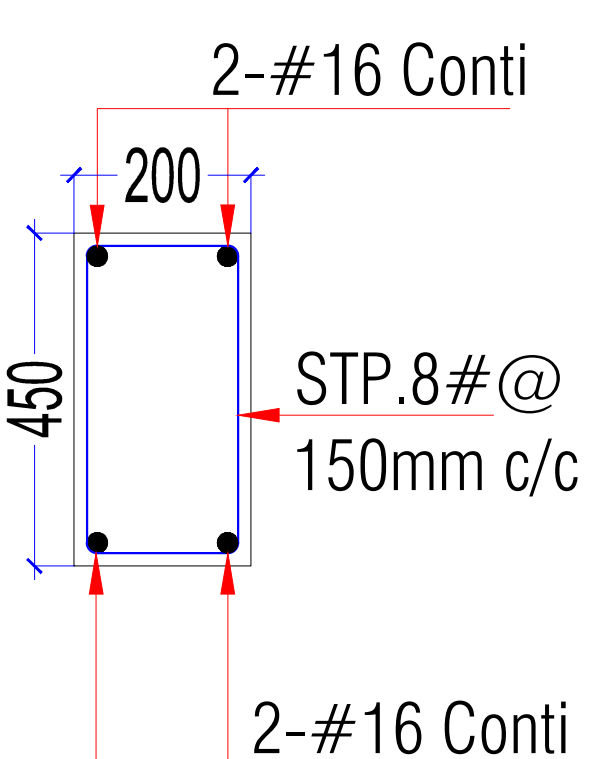
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CROSS SECTION
CON:- M-25



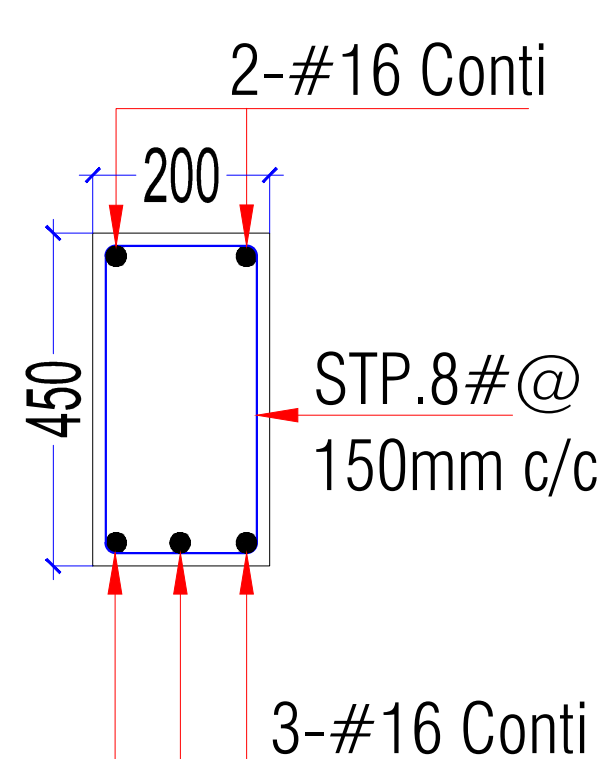
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CROSS SECTION
CON:- M-25



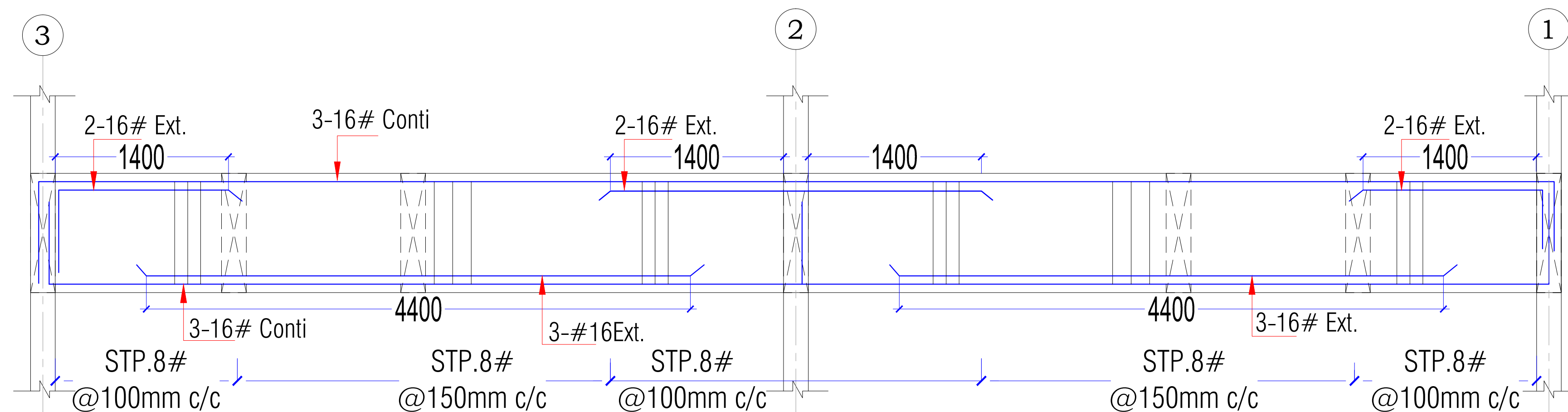
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CON:- M-25



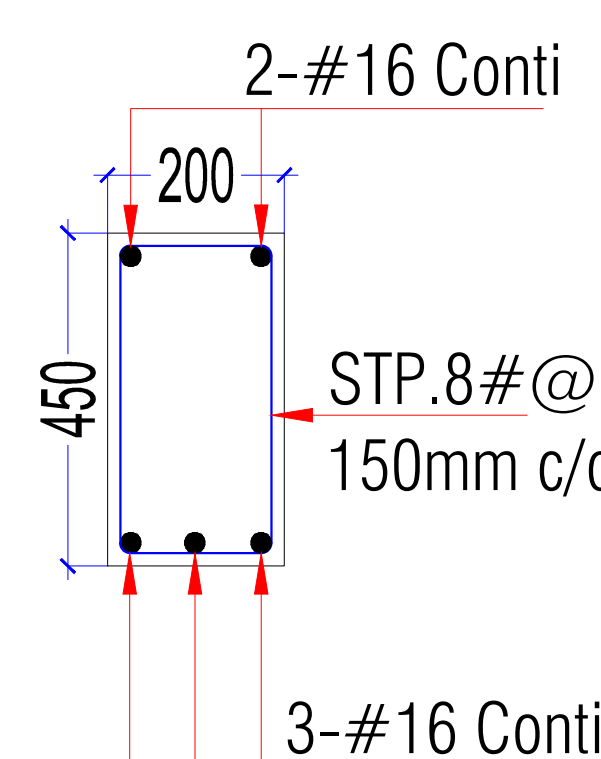
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CROSS SECTION
CON:- M-25



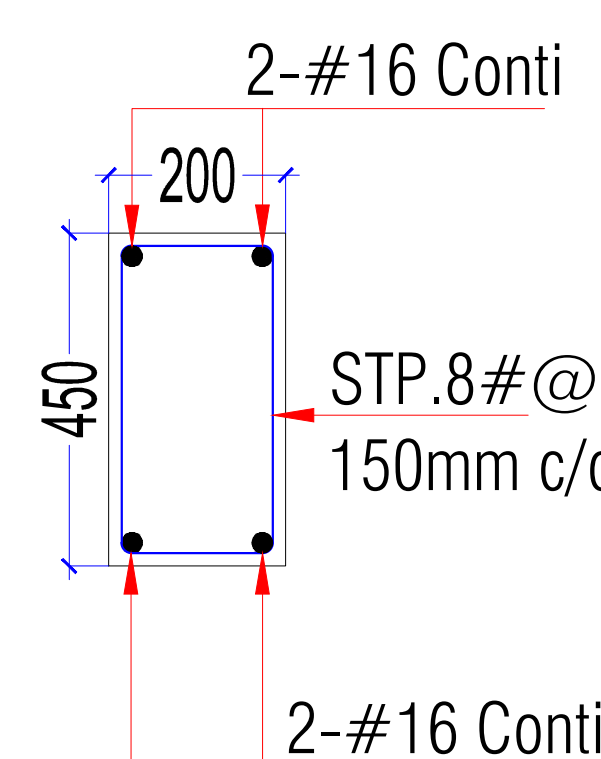
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CROSS SECTION
CON:- M-25



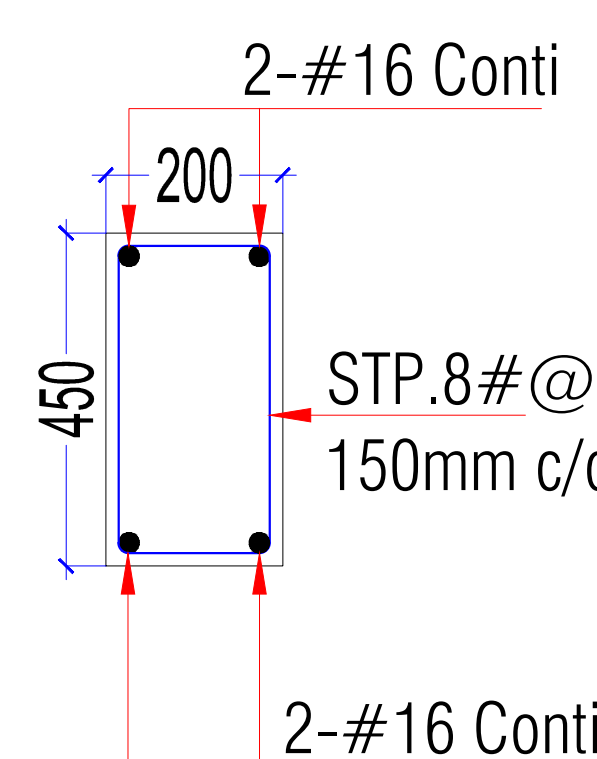
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LONGITUDINAL BEAM
CON:- M-25



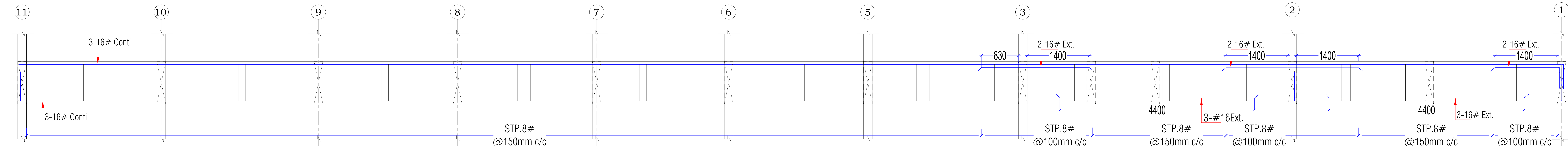
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CROSS SECTION
CON:- M-25



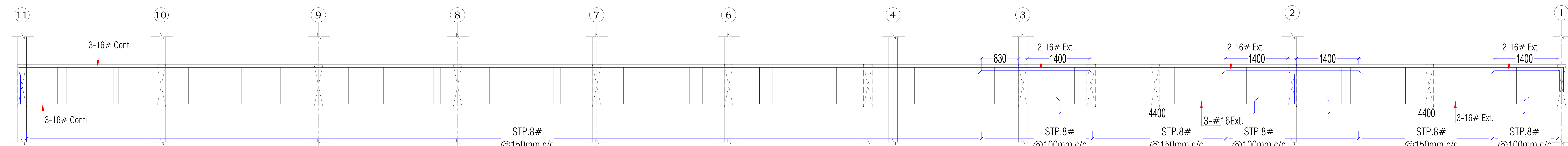
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CROSS SECTION
CON:- M-25



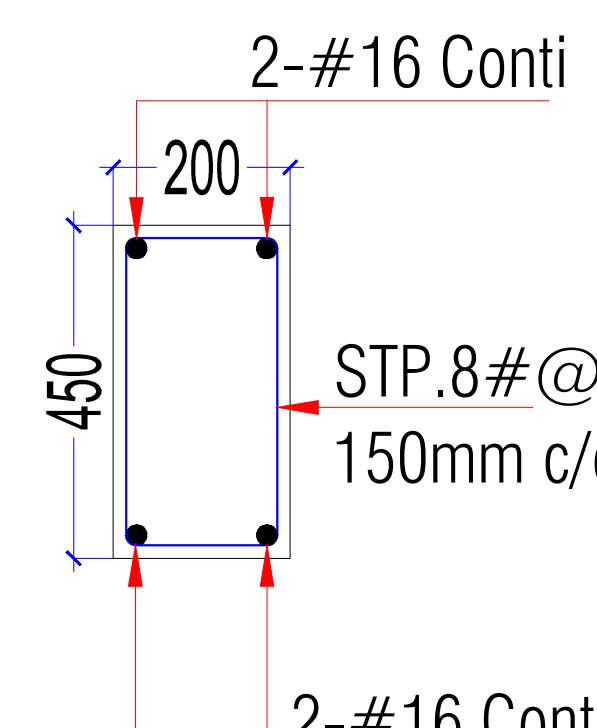
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CROSS SECTION
CON:- M-25



B-16(200X450)
LONGITUDINAL BEAM
CON:- M-25



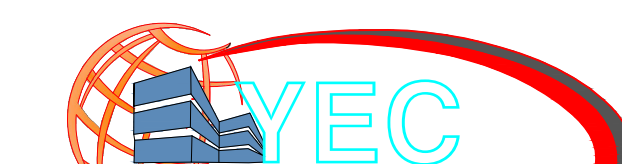
B-17(200X450)
LONGITUDINAL BEAM
CON:- M-25



B-14(200X450)
CROSS SECTION
CON:- M-25

KAMAL KUMAR SHARMA
B.Tech (Civil) M.Tech.(Structure)
CE of IET
Reg. No. - AM181487-5

STRUCTURE CONSULTANT



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ARCHITECTS

PANKAJ GUPTA & ASSOCIATES
Flat no. 603 B, Golden Leaf Apartment, Tonk
Road, Near Gandhi Nagar Station, Jaipur-15

GENERAL NOTES :-

- (1). DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSIONS ONLY.
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- (3). BAD WORKMANSHIP WILL BE SOLE RESPONSIBILITY OF CLIENT & CONTRACTOR.

EXCAVATION CHECK :-

- (1). THE PROPER SOIL INVESTIGATION HAS BEEN CARRIED OUT FOR DETERMINING THE SAFE BEARING CAPACITY.
- (2). THE SOIL SHOULD NOT LIABLE TO LIQUEFACTION DUE TO EARTHQUAKES.
- (3). THE SOIL SHOULD NOT LIABLE TO LANDSLIDE HAZARD.

CONSTRUCTION PRACTICE :-

- P1. IT IS MANDATORY TO REMOVE ALL LOOSE SOIL TILL THE FIRM SOIL IS REACHED.
- P2. BACK FILLING AROUND THE FOUNDATIONS SHALL BE CARRIED OUT USING SOIL, SAND WITHOUT GRAVEL AND PEBBLES.
- P3. IT IS ADVISABLE TO ALLOW STANDING WATER IN THE EXCAVATION TRENCHES FOR 24 HOURS. WHEN THE SURFACE IS SEMIDRY, HAND RAMMING SHALL BE CARRIED OUT WITH AT LEAST 6 TO 8 PASSES.
- P4. BACK FILLING OF BASEMENT WALLS SHALL BE DONE ONLY AFTER THE ROOF SLAB HAS BEEN DEROPPED.
- P5. IN NORMAL CIRCUMSTANCES AND WHERE ORDINARY PORTLAND CEMENT IS USED, FORMS MAY GENERALLY BE REMOVED AFTER THE EXPIRY OF THE FOLLOWING PERIODS:
 - * WALLS, COLUMNS AND VERTICAL FACES OF ALL MEMBERS 36 TO 48 HOURS
 - * SLABS (PROPS LEFT UNDER) 3 DAYS
 - * BEAM SOFFITS (PROPS LEFT UNDER) 7 DAYS
 - * REMOVAL OF PROPS UNDER SLABS
 - SPANNING UP TO 4500 7 DAYS
 - SPANNING OVER 4500 14 DAYS
 - * REMOVAL OF PROPS UNDER BEAMS
 - SPANNING UP TO 6000 14 DAYS
 - SPANNING OVER 6000 21 DAYS

CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC. WORK SHALL BE CARRIED OUT AS PER IS-456-2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	470	380
M-25	400	320
M-30	380	300
M-35	330	270
M-40	300	240

REINFORCING STEEL :-

- R1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS: 1786:2008.
- R2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERSTIC STRENGTH OF 500D N/mm².
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
 - * FOUNDATION 50 mm. ALL AROUND
 - * COLUMNS 40 mm. ALL AROUND
 - * BEAMS 30 mm. ALL AROUND
 - * SLABS 20 mm. TOP & BOTTOM
 - * WALLS 25 mm. EARTH FACE
 - * WALLS 20 mm. INNER FACE

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
 - * FOUNDATION -M-25
 - * COLUMNS -AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- F 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.
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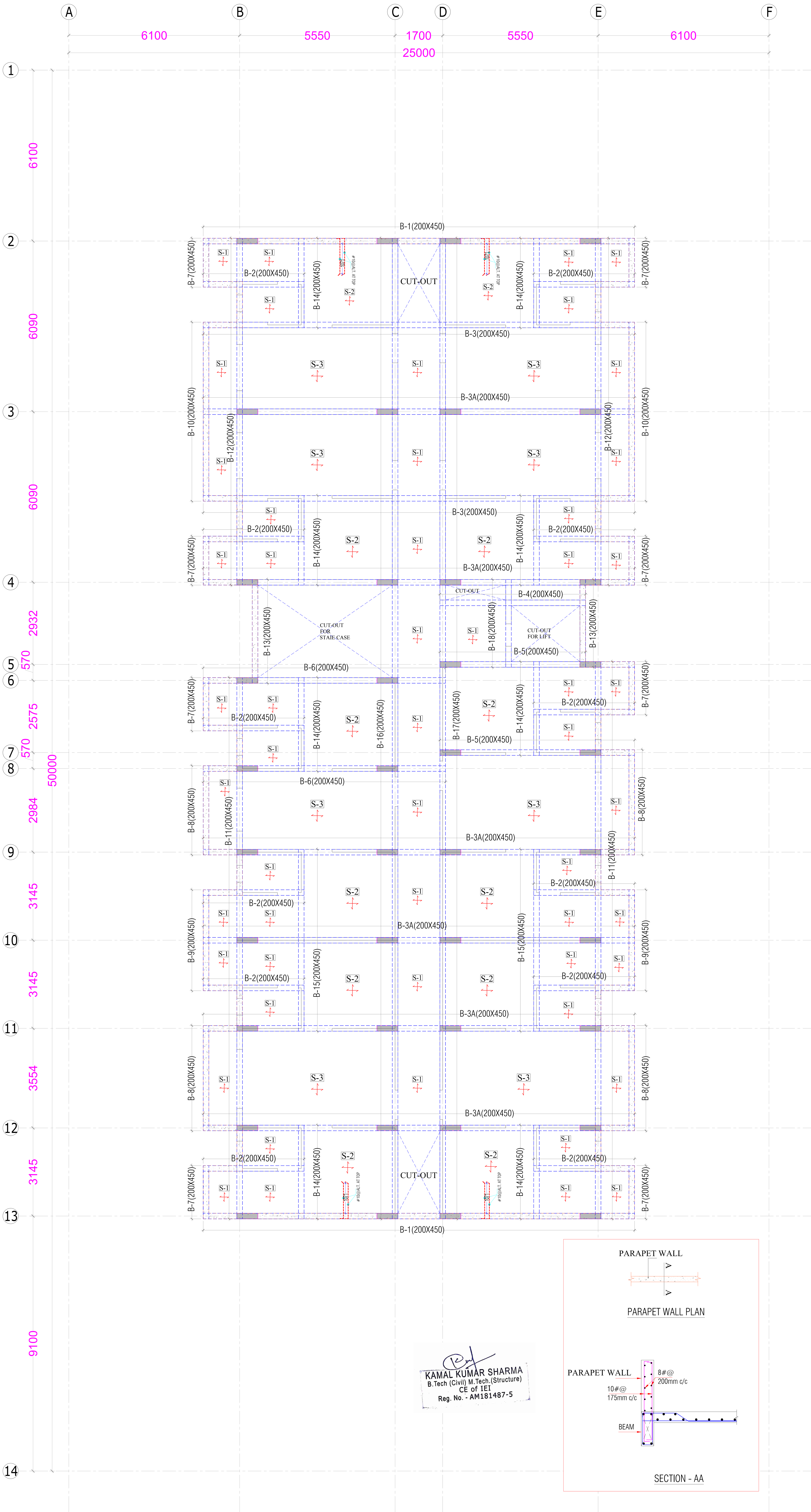
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

DRAWING TITLE

EIGHTH FLOOR ROOF BEAM DESIGN

DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AS9-02
DATE:	13-02-2025



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- (3). BAD WORKMANSHIP WILL BE SOLE RESPONSIBILITY OF CLIENT & CONTRACTOR.

EXCAVATION CHECK :-

- (1). THE PROPER SOIL INVESTIGATION HAS BEEN CARRIED OUT FOR DETERMINING THE SAFE BEARING CAPACITY.
- (2). THE SOIL SHOULD NOT LIABLE TO LIQUEFACTION DUE DUE TO EARTHQUAKES.
- (3). THE SOIL SHOULD NOT LIABLE TO LANDSLIDE HAZARD.

CONSTRUCTION PRACTICE :-

- P1. IT IS MANDATORY TO REMOVE ALL LOOSE SOIL TILL THE FIRM SOIL IS REACHED.
- P2. BACK FILLING AROUND THE FOUNDATIONS SHALL BE CARRIED OUT USING SOIL,SAND WITHOUT GRAVEL AND PEBBLES.
- P3. IT IS ADVISABLE TO ALLOW STANDING WATER IN THE EXCAVATION TRENCHES FOR 24 HOURS. WHEN THE SURFACE IS SEMIDRY, HAND RAMMING SHALL BE CARRIED OUT WITH AT LEAST 6 TO 8 PASSES.
- P4. BACK FILLING OF BASEMENT WALLS SHALL BE DONE ONLY AFTER THE ROOF SLAB HAS BEEN DEPROPPED.
- P5. IN NORMAL CIRCUMSTANCES AND WHERE ORDINARY PORTLAND CEMENT IS USED, FORMS MAY GENERALLY BE REMOVED AFTER THE EXPIRY OF THE FOLLOWING PERIODS
- | | |
|--|----------------|
| * WALLS, COLUMNS AND VERTICAL FACES OF ALL MEMBERS | 36 TO 48 HOURS |
| * SLABS (PROPS LEFT UNDER) | 3 DAYS |
| * BEAM SOFFITS (PROPS LEFT UNDER) | 7 DAYS |
| * REMOVAL OF PROPS UNDER SLABS | |
| -SPANNING UP TO 4500 | 7 DAYS |
| -SPANNING OVER 4500 | 14 DAYS |
| * REMOVAL OF PROPS UNDER BEAMS | |
| -SPANNING UP TO 6000 | 14 DAYS |
| -SPANNING OVER 6000 | 21 DAYS |

CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC. WORK SHALL BE CARRIED OUT AS PER IS-456-2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
M-35	33Ø	27Ø
M-40	30Ø	24Ø

REINFORCING STEEL :-

- R1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS:1786:2008.
- R2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERSTIC STRENGTH OF 500D N/mm².
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
- | | |
|--------------|---------------------|
| * FOUNDATION | 50 mm. ALL AROUND |
| * COLUMNS | 40 mm. ALL AROUND |
| * BEAMS | 30 mm. ALL AROUND |
| * SLABS | 20 mm. TOP & BOTTOM |
| * WALLS | 25 mm. EARTH FACE |
| * WALLS | 20 mm. INNER FACE |

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
 - * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.

PROJECT

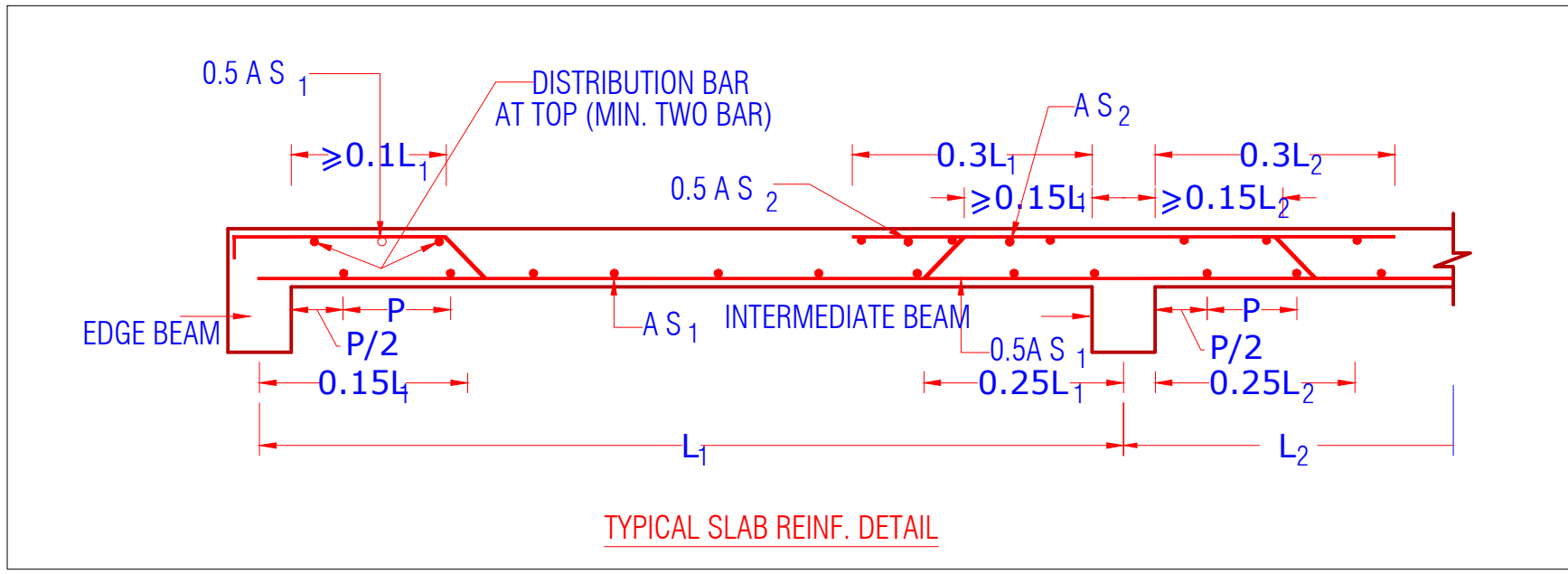
PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

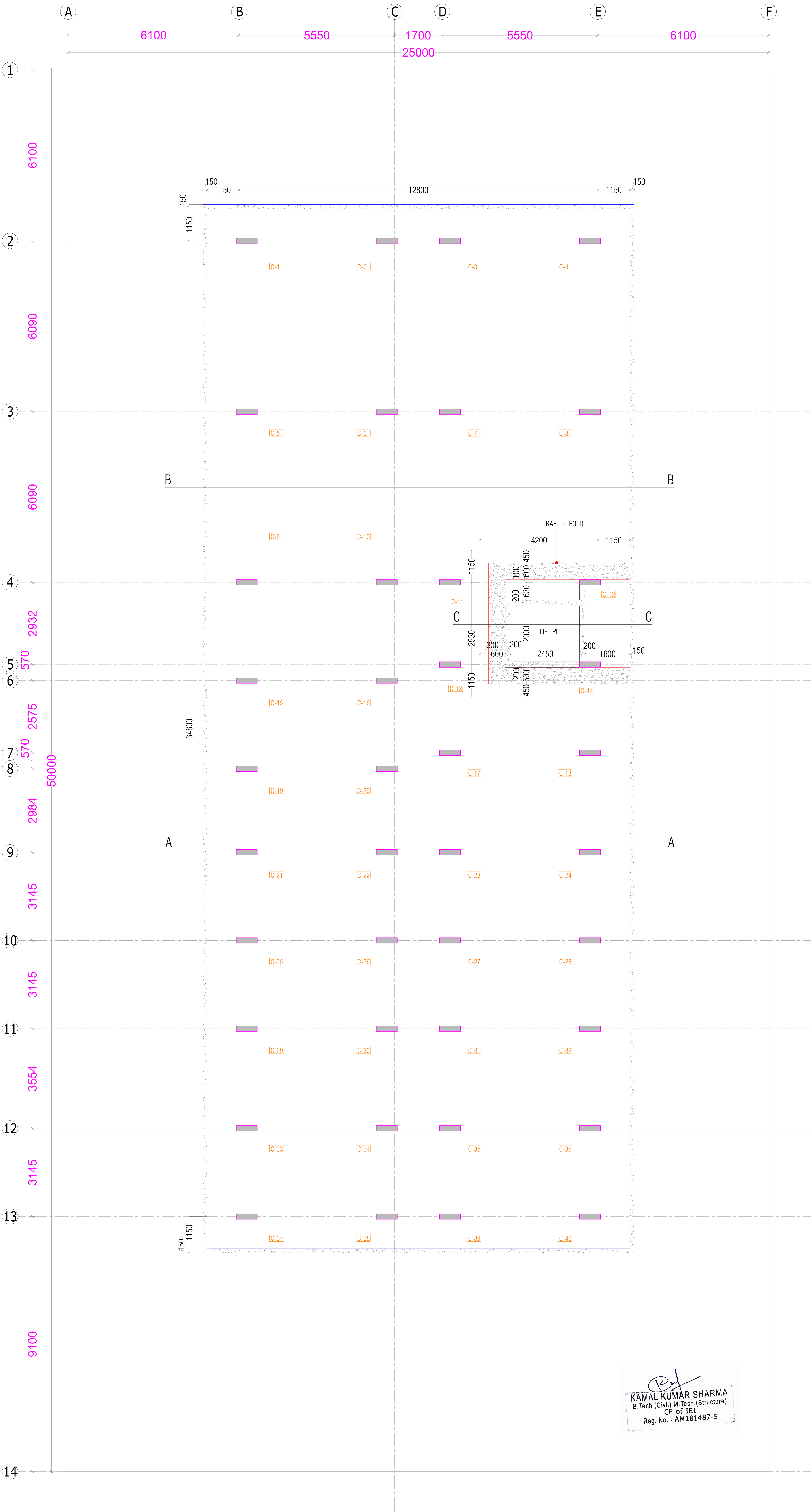
DRAWING TITLE

EIGHTH FLOOR ROOF SLAB DESIGN

DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AS9-01
DATE:	13-02-2025

R.C.C. SLAB DETAILS:-					
SLAB NO.	SHORT SPAN	LONG SPAN	DISTRIBUTION BARS AT CRANK	THICK	GRADE
S-1	#8@150C/C	#8@150C/C	#8@150C/C	150MM	M-25
S-2	#10@175C/C	#10@175C/C	#8@150C/C	150MM	M-25
S-3	#10@150C/C	#10@150C/C	#8@150C/C	150MM	M-25





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EXCAVATION CHECK :-

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- (2). THE SOIL SHOULD NOT LIABLE TO LIQUEFACTION DUE DUE TO EARTHQUAKES.
- (3). THE SOIL SHOULD NOT LIABLE TO LANDSLIDE HAZARD.

CONSTRUCTION PRACTICE :-

- P1. IT IS MANDATORY TO REMOVE ALL LOOSE SOIL TILL THE FIRM SOIL IS REACHED.
- P2. BACK FILLING AROUND THE FOUNDATIONS SHALL BE CARRIED OUT USING SOIL,SAND WITHOUT GRAVEL AND PEBBLES.
- P3. IT IS ADVISABLE TO ALLOW STANDING WATER IN THE EXCAVATION TRENCHES FOR 24 HOURS. WHEN THE SURFACE IS SEMIDRY, HAND RAMMING SHALL BE CARRIED OUT WITH AT LEAST 6 TO 8 PASSES.
- P4. BACK FILLING OF BASEMENT WALLS SHALL BE DONE ONLY AFTER THE ROOF SLAB HAS BEEN DEPROPPED.
- P5. IN NORMAL CIRCUMSTANCES AND WHERE ORDINARY PORTLAND CEMENT IS USED, FORMS MAY GENERALLY BE REMOVED AFTER THE EXPIRY OF THE FOLLOWING PERIODS
- | | |
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| * WALLS, COLUMNS AND VERTICAL | |
| FACES OF ALL MEMBERS | 36 TO 48 HOURS |
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| * REMOVAL OF PROPS UNDER SLABS | |
| -SPANNING UP TO 4500 | 7 DAYS |
| -SPANNING OVER 4500 | 14 DAYS |
| * REMOVAL OF PROPS UNDER BEAMS | |
| -SPANNING UP TO 6000 | 14 DAYS |
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CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC. WORK SHALL BE CARRIED OUT AS PER IS-456-2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
M-35	33Ø	27Ø
M-40	30Ø	24Ø

REINFORCING STEEL :-

- R1. ALL REINFORCEING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS:1786:2008.
- R2. REFER TO HIGH YEILD STRENGTH DEFORMED BARS WITH CHARACTERSTIC STRENGTH OF 500D N/mm².
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
- | | |
|--------------|---------------------|
| * FOUNDATION | 50 mm. ALL AROUND |
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| * BEAMS | 30 mm. ALL AROUND |
| * SLABS | 20 mm. TOP & BOTTOM |
| * WALLS | 25 mm. EARTH FACE |
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DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
 - * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.

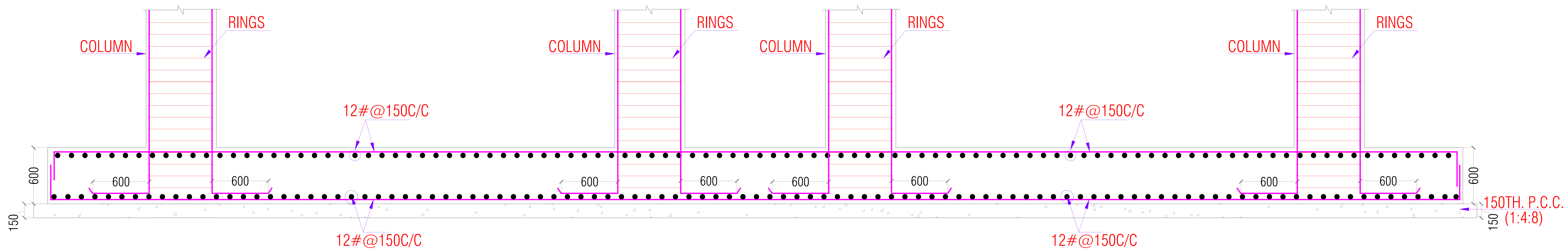
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

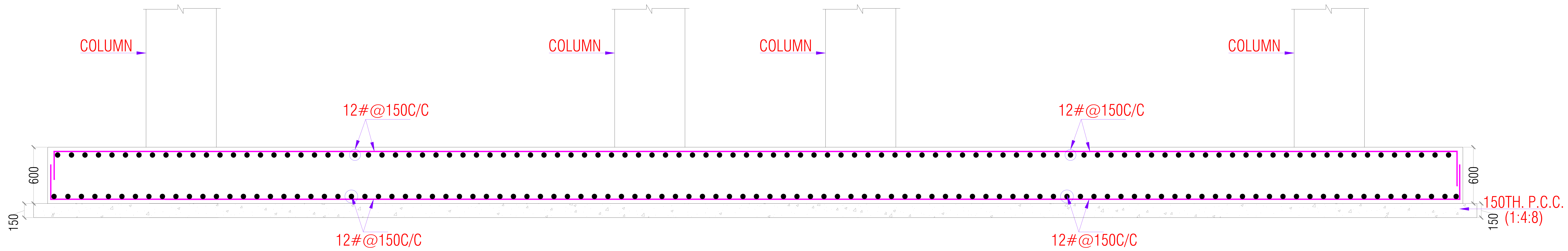
DRAWING TITLE

FOOTING LAYOUT PLAN

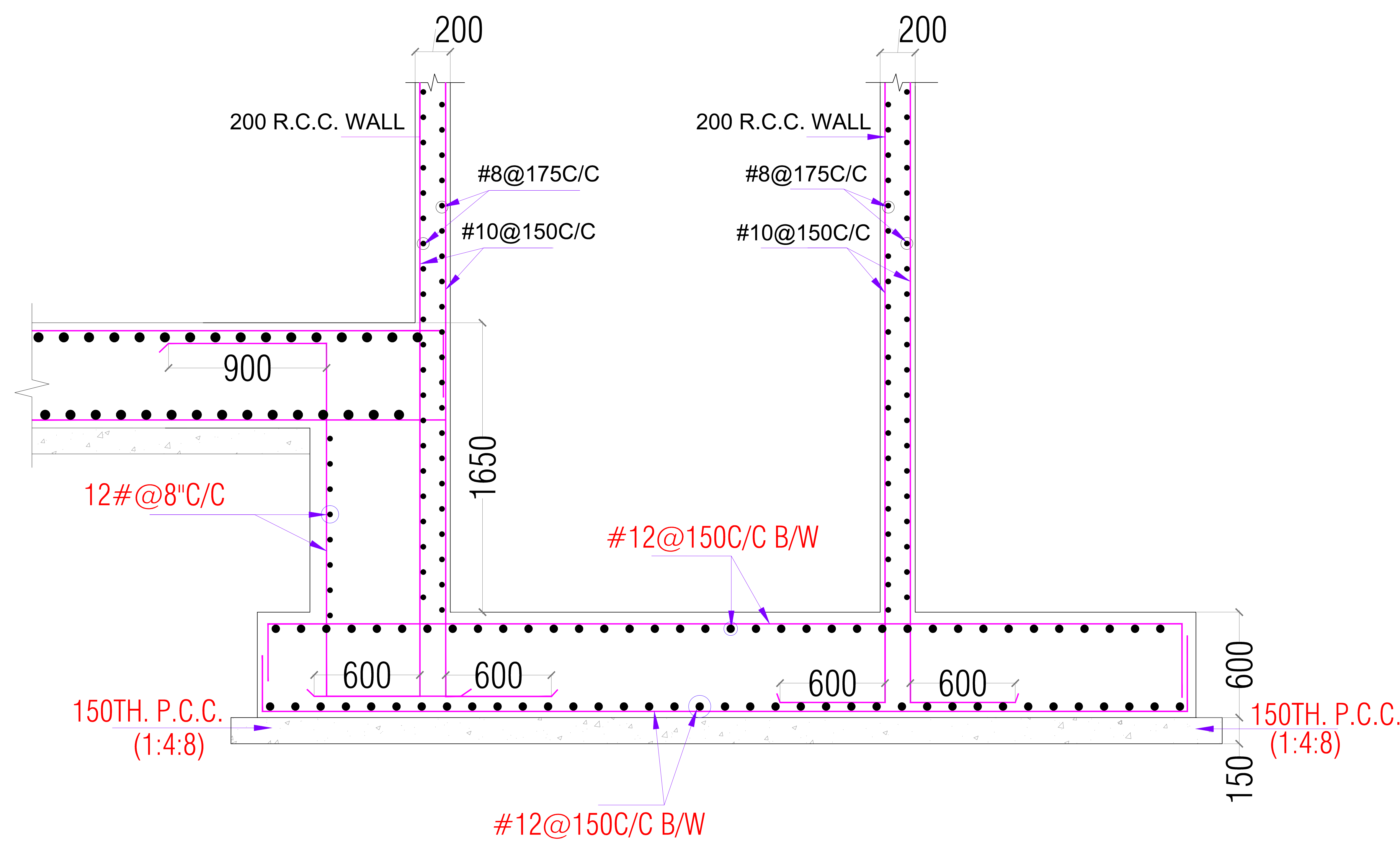
DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AF-02
DATE:	13-02-2025



FOOTING SECTION -(AA)



FOOTING SECTION -(BB)



FOOTING SECTION -(CC)

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ARCHITECTS

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EXCAVATION CHECK :-

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CONSTRUCTION PRACTICE :-

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| -SPANNING UP TO 4500 | 7 DAYS |
| -SPANNING OVER 4500 | 14 DAYS |
| * REMOVAL OF PROPS UNDER BEAMS | |
| -SPANNING UP TO 6000 | 14 DAYS |
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CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC. WORK SHALL BE CARRIED OUT AS PER IS-456-2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
M-35	33Ø	27Ø
M-40	30Ø	24Ø

REINFORCING STEEL :-

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- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
- | | |
|--------------|---------------------|
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| * COLUMNS | 40 mm. ALL AROUND |
| * BEAMS | 30 mm. ALL AROUND |
| * SLABS | 20 mm. TOP & BOTTOM |
| * WALLS | 25 mm. EARTH FACE |
| * WALLS | 20 mm. INNER FACE |

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
- * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.

PROJECT

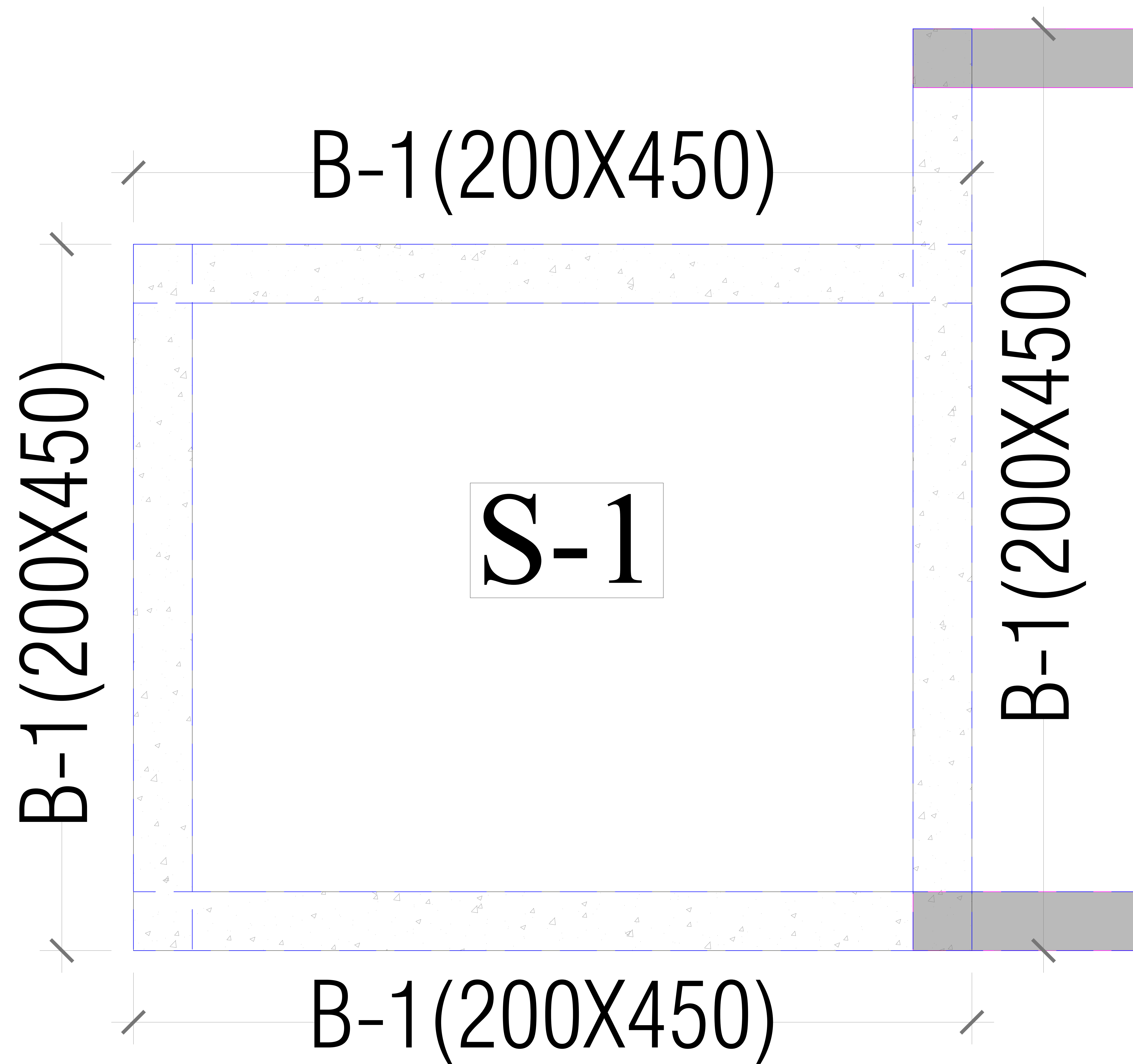
PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

DRAWING TITLE

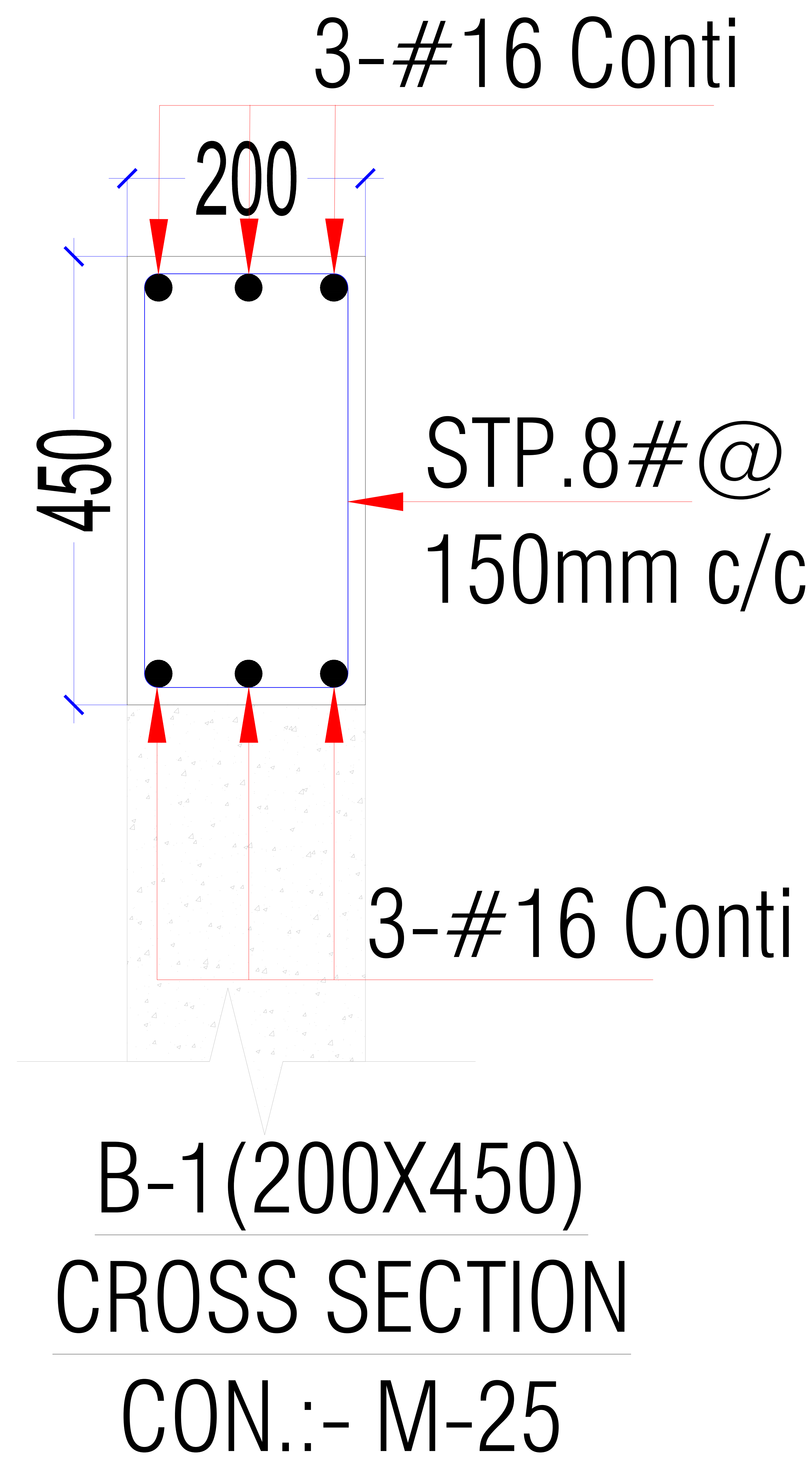
FOOTING SECTION DESIGN


DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AF-04
DATE:	13-02-2025

KAMAL KUMAR SHARMA
B.Tech (Civil) M.Tech.(Structure)
CE of IEI
Reg. No. - AM181487-5



R.C.C. SLAB DETAILS:-					
SLAB NO.		SHORT SPAN	LONG SPAN	THICK	GRADE
S-1	TOP	#10@175C/C	#10@175C/C	175MM	M-25
	BOTTOM	#10@150C/C	#10@150C/C		




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Road, Near Gandhi Nagar Station, Jaipur-15

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EXCAVATION CHECK :-

- (1). THE PROPER SOIL INVESTIGATION HAS BEEN CARRIED OUT FOR DETERMINING THE SAFE BEARING CAPACITY.
- (2). THE SOIL SHOULD NOT LIABLE TO LIQUEFACTION DUE DUE TO EARTHQUAKES.
- (3). THE SOIL SHOULD NOT LIABLE TO LANDSLIDE HAZARD.

CONSTRUCTION PRACTICE :-

- P1. IT IS MANDATORY TO REMOVE ALL LOOSE SOIL TILL THE FIRM SOIL IS REACHED.
- P2. BACK FILLING AROUND THE FOUNDATIONS SHALL BE CARRIED OUT USING SOIL,SAND WITHOUT GRAVEL AND PEBBLES.
- P3. IT IS ADVISABLE TO ALLOW STANDING WATER IN THE EXCAVATION TRENCHES FOR 24 HOURS. WHEN THE SURFACE IS SEMIDRY, HAND RAMMING SHALL BE CARRIED OUT WITH AT LEAST 6 TO 8 PASSES.
- P4. BACK FILLING OF BASEMENT WALLS SHALL BE DONE ONLY AFTER THE ROOF SLAB HAS BEEN DEPROPPED.
- P5. IN NORMAL CIRCUMSTANCES AND WHERE ORDINARY PORTLAND CEMENT IS USED, FORMS MAY GENERALLY BE REMOVED AFTER THE EXPIRY OF THE FOLLOWING PERIODS
- | | |
|--|----------------|
| * WALLS, COLUMNS AND VERTICAL FACES OF ALL MEMBERS | 36 TO 48 HOURS |
| * SLABS (PROPS LEFT UNDER) | 3 DAYS |
| * BEAM SOFFITS (PROPS LEFT UNDER) | 7 DAYS |
| * REMOVAL OF PROPS UNDER SLABS | |
| -SPANNING UP TO 4500 | 7 DAYS |
| -SPANNING OVER 4500 | 14 DAYS |
| * REMOVAL OF PROPS UNDER BEAMS | |
| -SPANNING UP TO 6000 | 14 DAYS |
| -SPANNING OVER 6000 | 21 DAYS |

CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC. WORK SHALL BE CARRIED OUT AS PER IS-456-2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
M-35	33Ø	27Ø
M-40	30Ø	24Ø

REINFORCING STEEL :-

- R1. ALL REINFORCEING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS:1786:2008.
- R2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERSTIC STRENGTH OF 500D N/mm².
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
- | | |
|--------------|---------------------|
| * FOUNDATION | 50 mm. ALL AROUND |
| * COLUMNS | 40 mm. ALL AROUND |
| * BEAMS | 30 mm. ALL AROUND |
| * SLABS | 20 mm. TOP & BOTTOM |
| * WALLS | 25 mm. EARTH FACE |
| * WALLS | 20 mm. INNER FACE |

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
- * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.

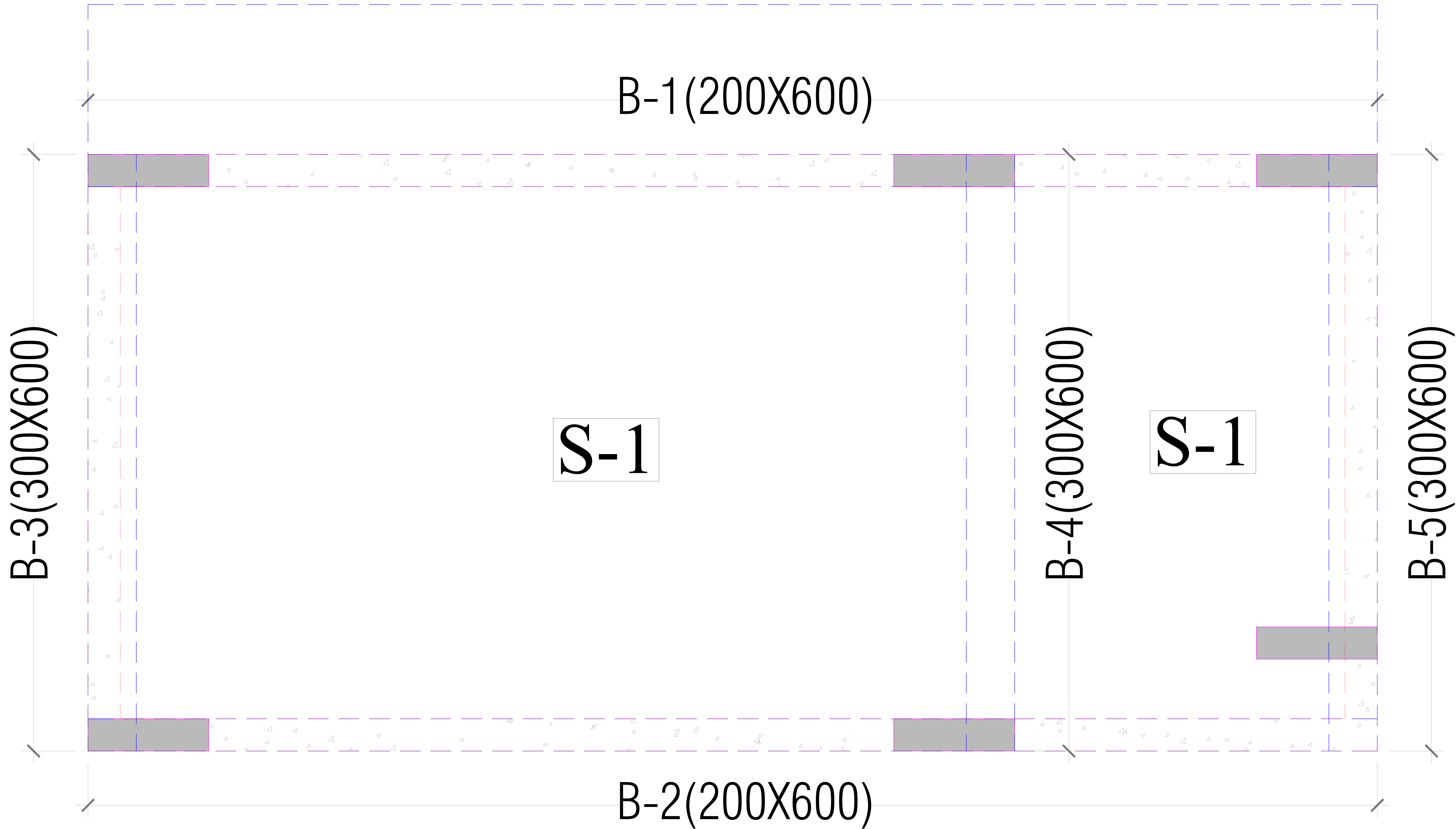
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

DRAWING TITLE

LIFT ROOM SLAB DESIGN

DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	ALS-01
DATE:	13-02-2025



R.C.C. SLAB DETAILS:-

SLAB NO.		SHORT SPAN	LONG SPAN	THICK	GRADE
S-1	TOP	#10@175C/C	#10@175C/C	200MM	M-25
	BOTTOM	#10@150C/C	#10@150C/C		



STRUCTURE CONSULTANT



ARCHITECTS

PANKAJ GUPTA & ASSOCIATES
Flat no. 603 B, Golden Leaf Apartment, Tonk
Road, Near Gandhi Nagar Station, Jaipur-15

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- (3). BAD WORKMANSHIP WILL BE SOLE RESPONSIBILITY OF CLIENT & CONTRACTOR.

EXCAVATION CHECK :-

- (1). THE PROPER SOIL INVESTIGATION HAS BEEN CARRIED OUT FOR DETERMINING THE SAFE BEARING CAPACITY.
- (2). THE SOIL SHOULD NOT LIABLE TO LIQUEFACTION DUE DUE TO EARTHQUAKES.
- (3). THE SOIL SHOULD NOT LIABLE TO LANDSLIDE HAZARD.

CONSTRUCTION PRACTICE :-

- P1. IT IS MANDATORY TO REMOVE ALL LOOSE SOIL TILL THE FIRM SOIL IS REACHED.
- P2. BACK FILLING AROUND THE FOUNDATIONS SHALL BE CARRIED OUT USING SOIL,SAND WITHOUT GRAVEL AND PEBBLES.
- P3. IT IS ADVISABLE TO ALLOW STANDING WATER IN THE EXCAVATION TRENCHES FOR 24 HOURS. WHEN THE SURFACE IS SEMIDRY, HAND RAMMING SHALL BE CARRIED OUT WITH AT LEAST 6 TO 8 PASSES.
- P4. BACK FILLING OF BASEMENT WALLS SHALL BE DONE ONLY AFTER THE ROOF SLAB HAS BEEN DEPROPPED.
- P5. IN NORMAL CIRCUMSTANCES AND WHERE ORDINARY PORTLAND CEMENT IS USED, FORMS MAY GENERALLY BE REMOVED AFTER THE EXPIRY OF THE FOLLOWING PERIODS
- | | |
|-----------------------------------|----------------|
| * WALLS, COLUMNS AND VERTICAL | |
| * FACES OF ALL MEMBERS | 36 TO 48 HOURS |
| * SLABS (PROPS LEFT UNDER) | 3 DAYS |
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| -SPANNING OVER 4500 | 14 DAYS |
| * REMOVAL OF PROPS UNDER BEAMS | |
| -SPANNING UP TO 6000 | 14 DAYS |
| -SPANNING OVER 6000 | 21 DAYS |

CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
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- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
M-35	33Ø	27Ø
M-40	30Ø	24Ø

REINFORCING STEEL :-

- R1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS:1786:2008.
- R2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERSTIC STRENGTH OF 500D N/mm^2 .
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
- | | |
|--------------|---------------------|
| * FOUNDATION | 50 mm. ALL AROUND |
| * COLUMNS | 40 mm. ALL AROUND |
| * BEAMS | 30 mm. ALL AROUND |
| * SLABS | 20 mm. TOP & BOTTOM |
| * WALLS | 25 mm. EARTH FACE |
| * WALLS | 20 mm. INNER FACE |

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
- * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.
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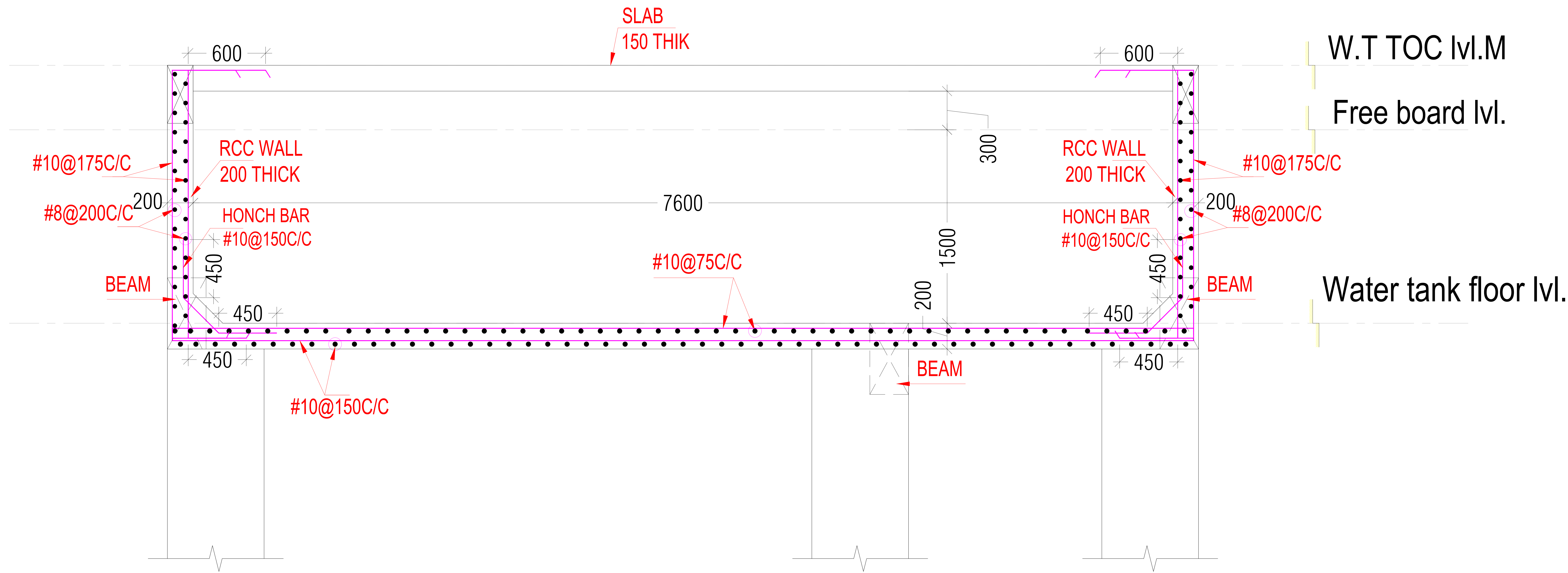
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
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BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

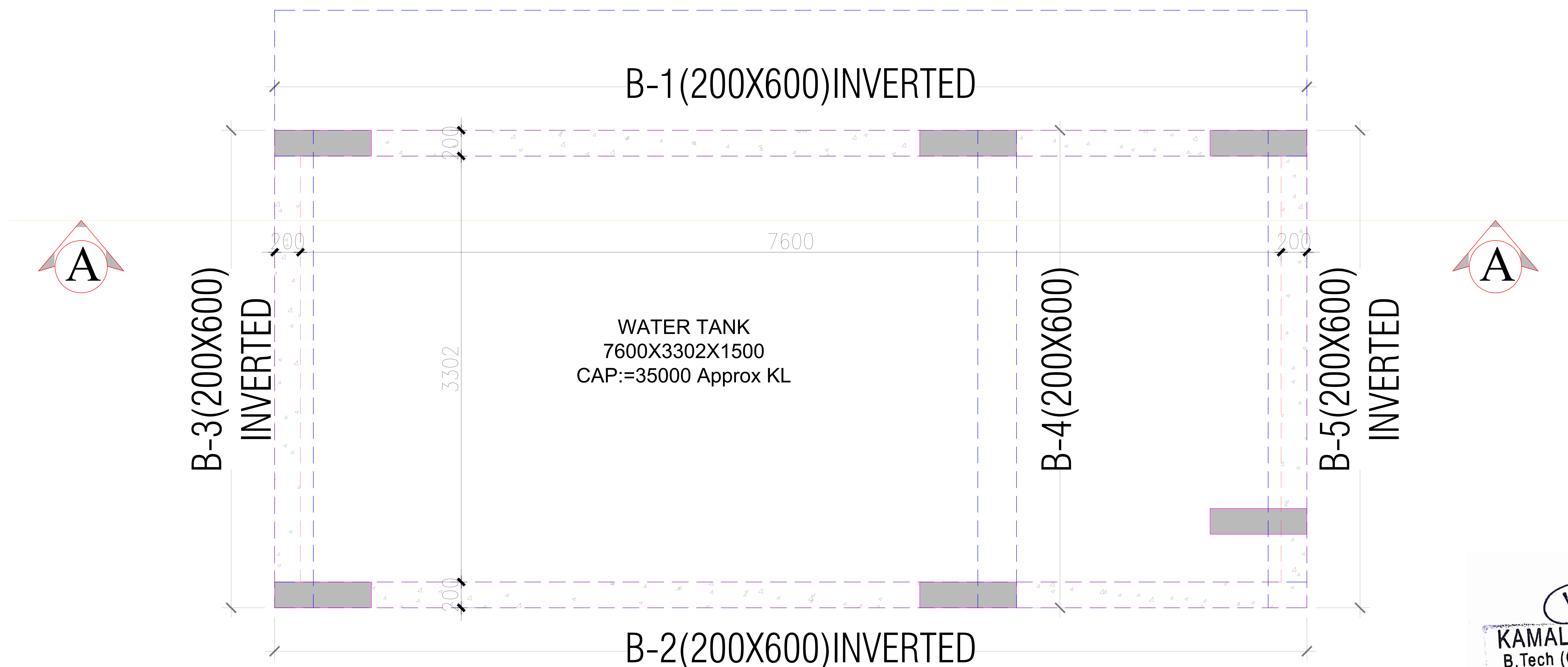
DRAWING TITLE

O.H. WATER TANK BOTTOM SLAB DESIGN

DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AOT-02
DATE:	13-02-2025



SECTION AA



TANK LAYOUT PLAN

12/

KAMAL KUMAR SHARMA
B.Tech (Civil) M.Tech.(Structure)
CE of IEI
Reg. No. - AM181487-5

STRUCTURE CONSULTANT

YEC
YUKTA ENGINEERING CONSULTANCY
3-34, Padmawati colony, Kirti Road, Nirman Nagar, Jaipur-302019
Mobile : +91 9852912529, 9058206698
E mail : yuktac consultancy@yahoo.com

ARCHITECTS

PANKAJ GUPTA & ASSOCIATES
Flat no. 603 B, Golden Leaf Apartment, Tonk
Road, Near Gandhi Nagar Station, Jaipur-15

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EXCAVATION CHECK :-

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CONSTRUCTION PRACTICE :-

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M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
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 - * ROOF - M-25
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REVISIONS

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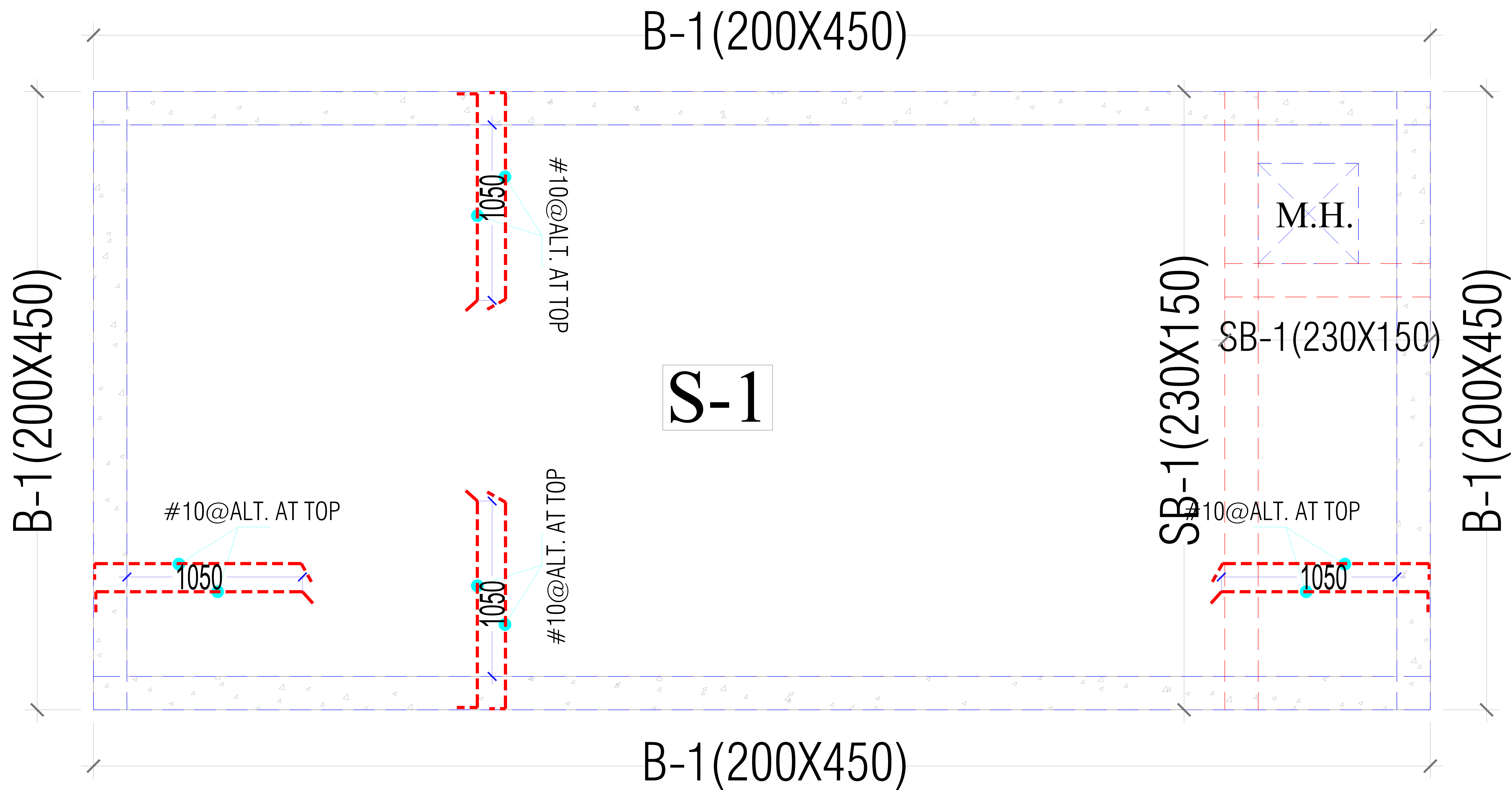
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

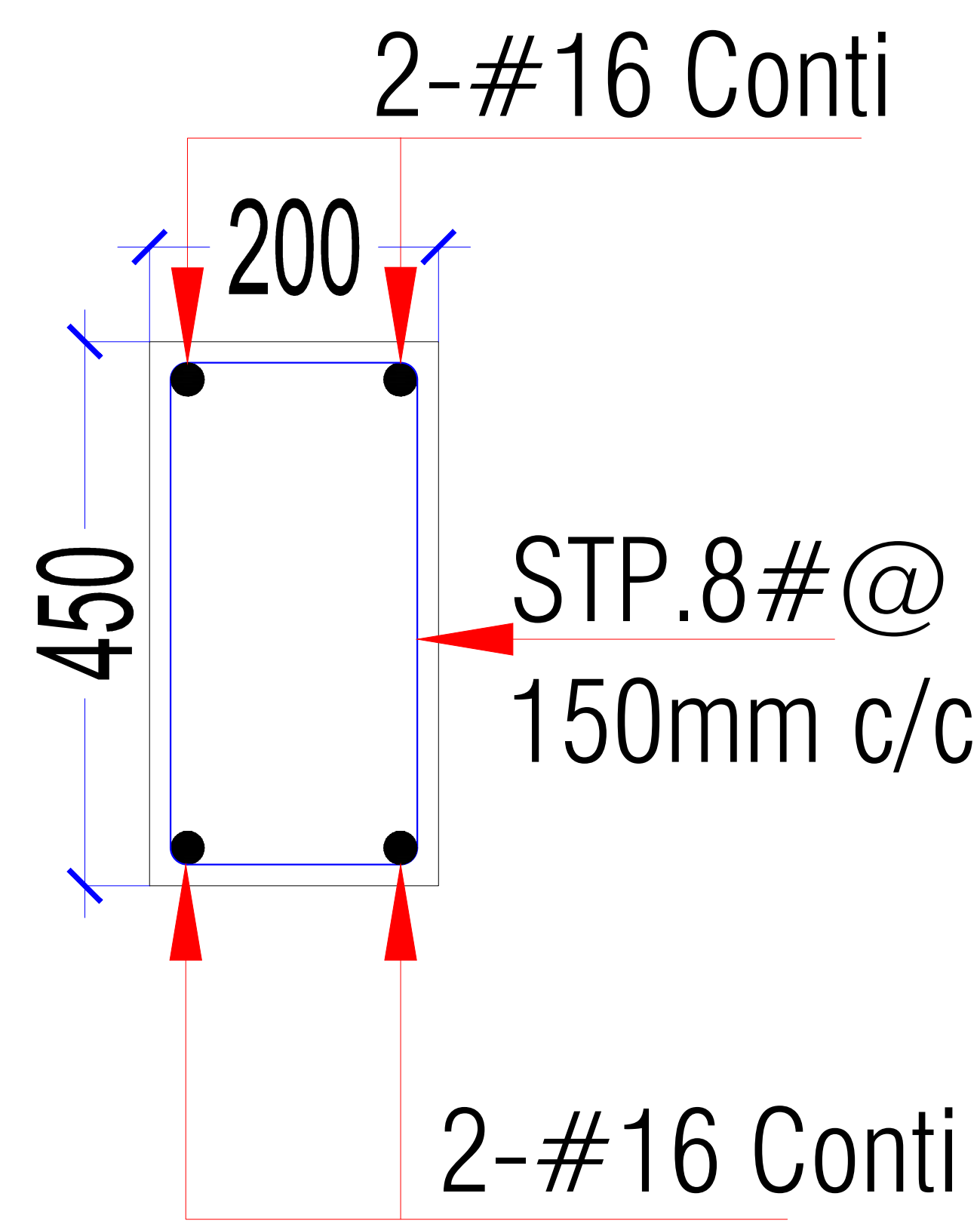
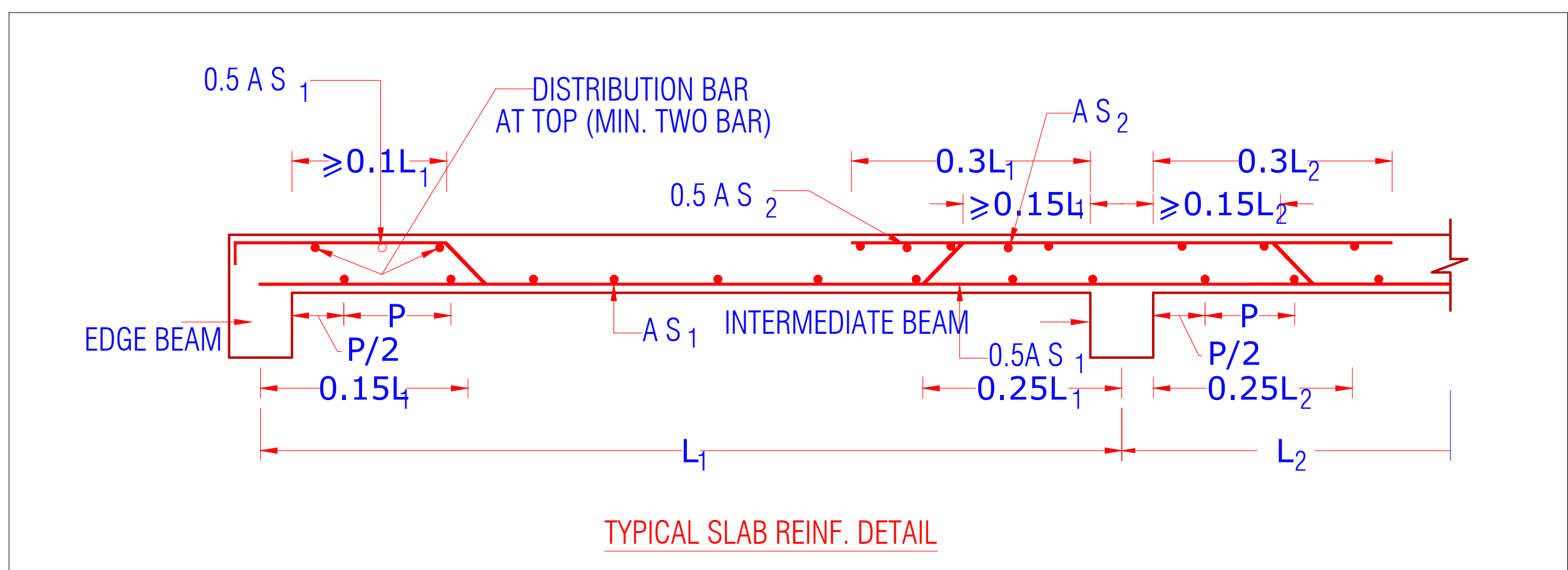
DRAWING TITLE

O.H. WATER TANK SECTION DETAIL

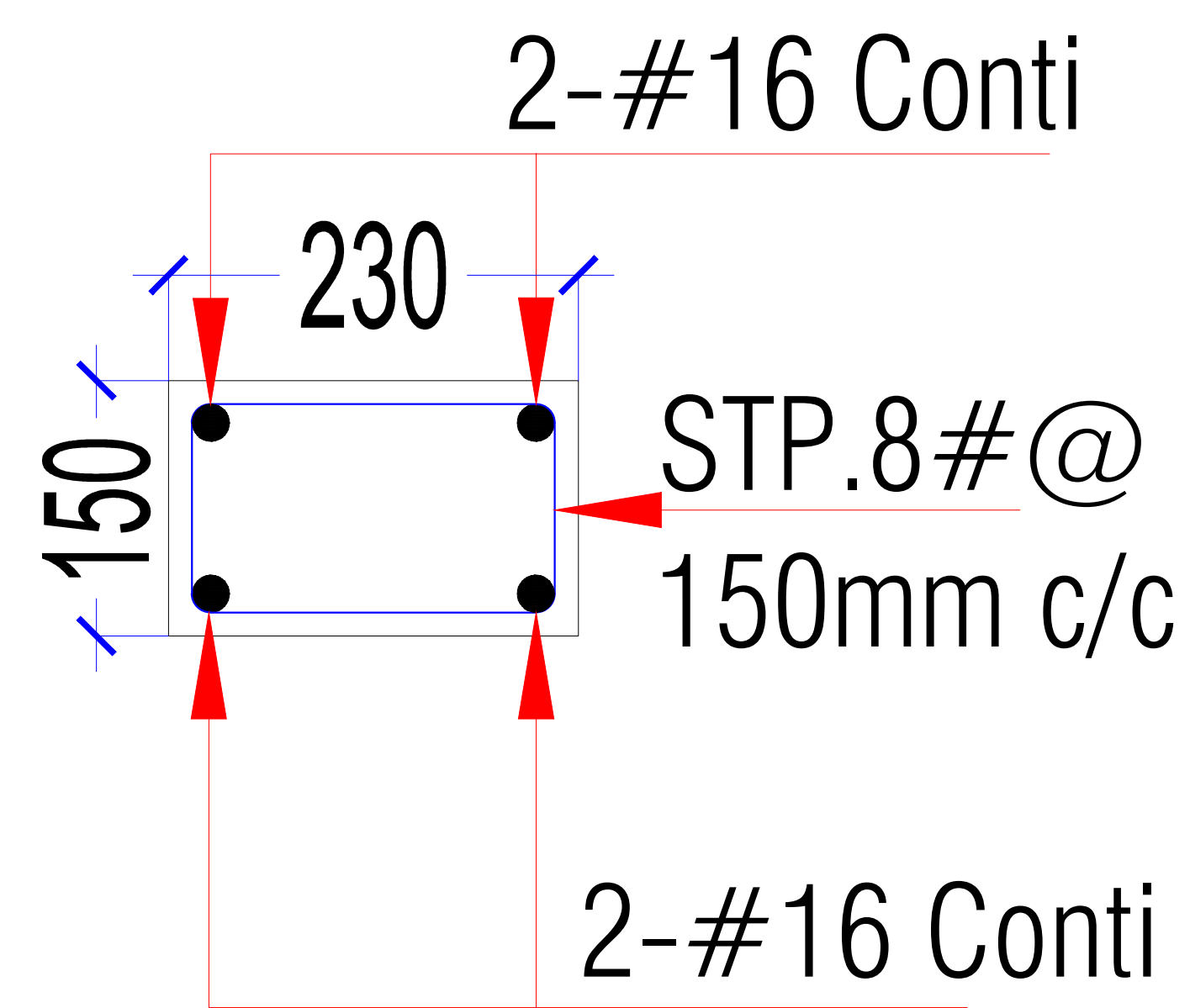
DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AOT-01
DATE:	13-02-2025



R.C.C. SLAB DETAILS:-					
SLAB NO.	SHORT SPAN	LONG SPAN	DISTRIBUTION BARS AT CRANK	THICK	GRADE
S-1	#10@175C/C	#10@175C/C	#8@150C/C	150MM	M-25



B-1(200X450)
CROSS SECTION
CON:- M-25



SB-1(230X150)
CROSS SECTION
CON:- M-25

KAMAL KUMAR SHARMA
B.Tech (Civil) M.Tech.(Structure)
CE of IEI
Reg. No. - AM181487-5

STRUCTURE CONSULTANT

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Mobile : +91 8852912599, 011-26426698
E mail : yuktac consultancy@yahoo.com

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CONC. GRADE	Ldt	Ldc
M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
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| * SLABS | 20 mm. TOP & BOTTOM |
| * WALLS | 25 mm. EARTH FACE |
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DESIGN DATA :-

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 - * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.
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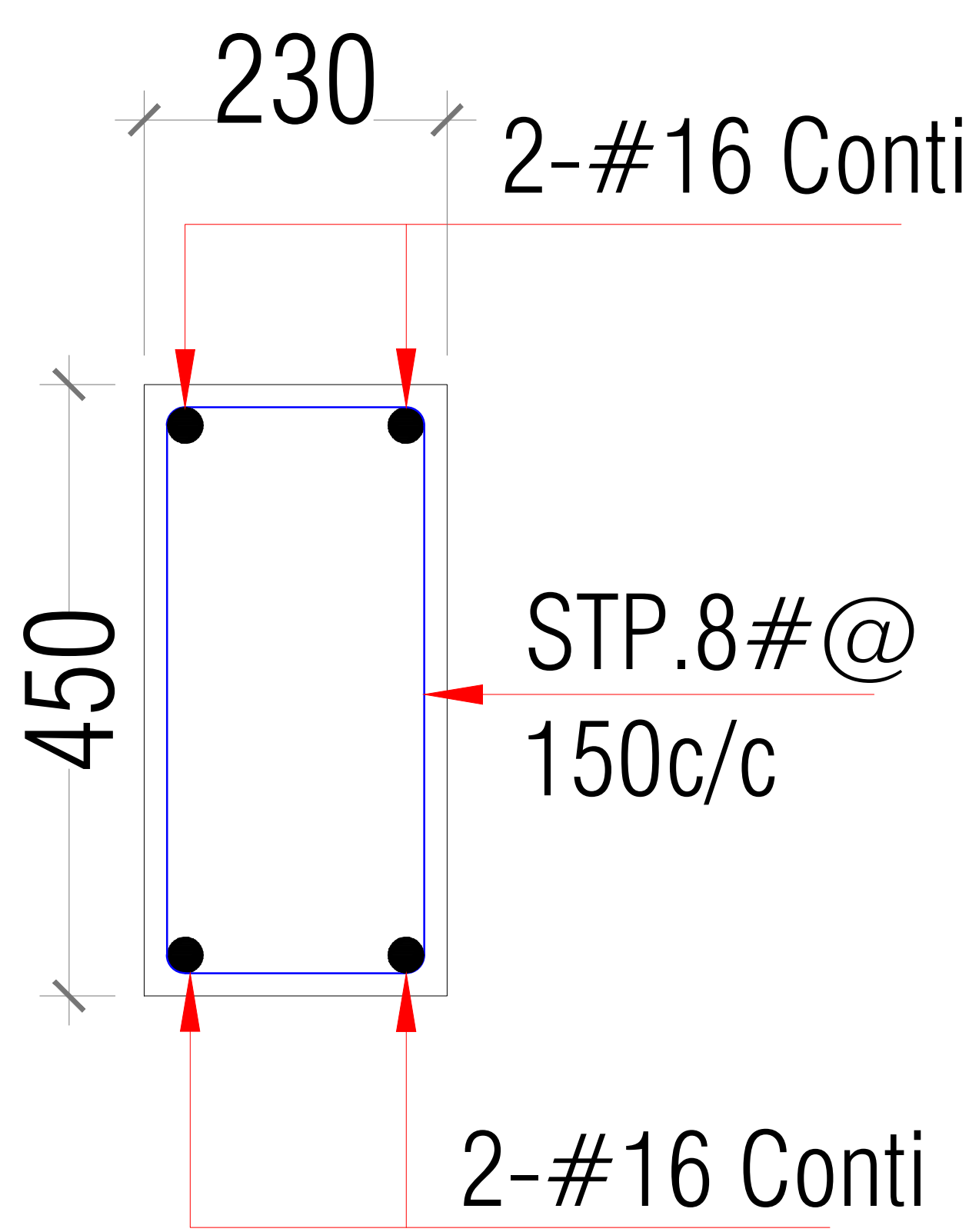
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
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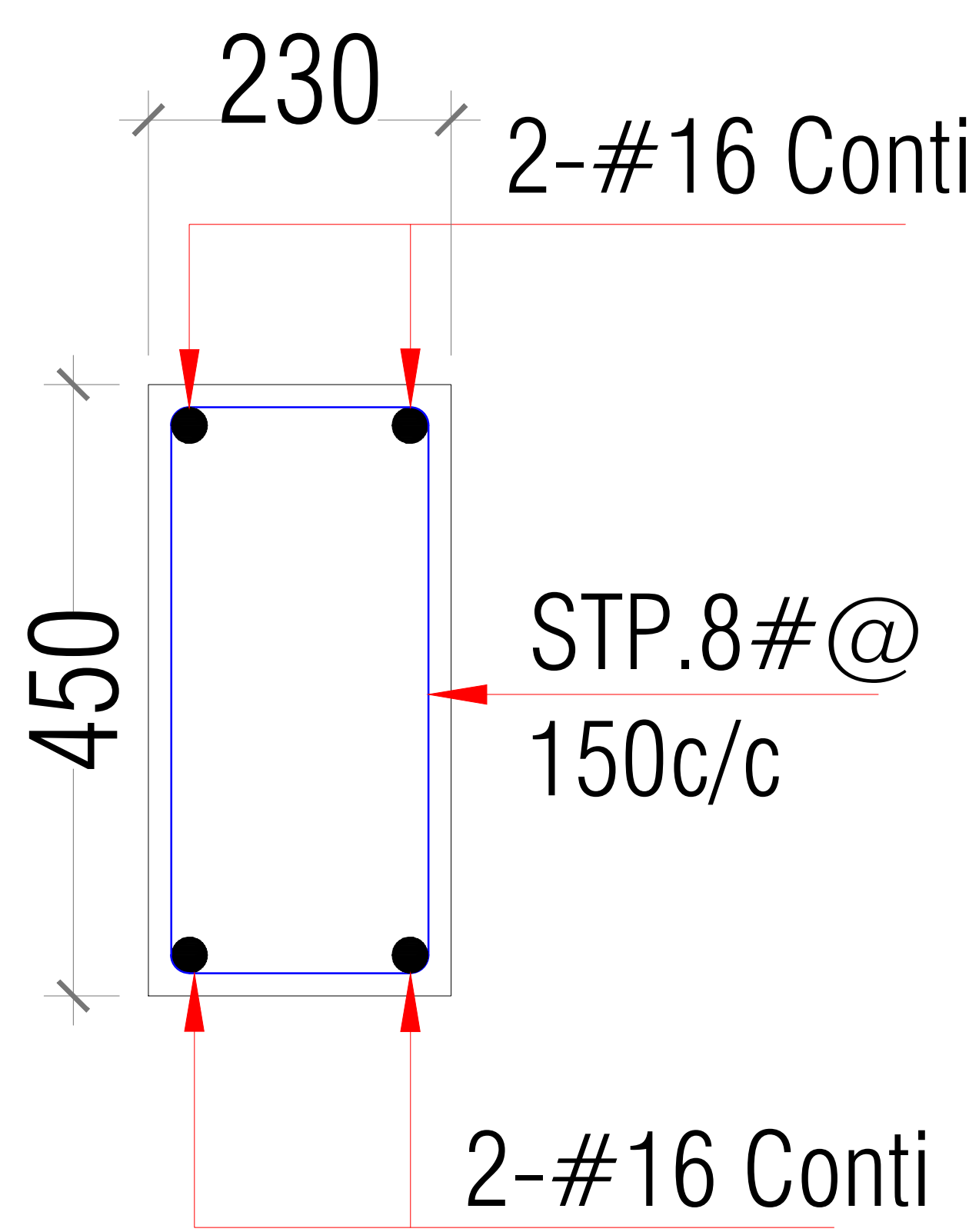
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O.H. WATER TANK TOP SLAB DESIGN

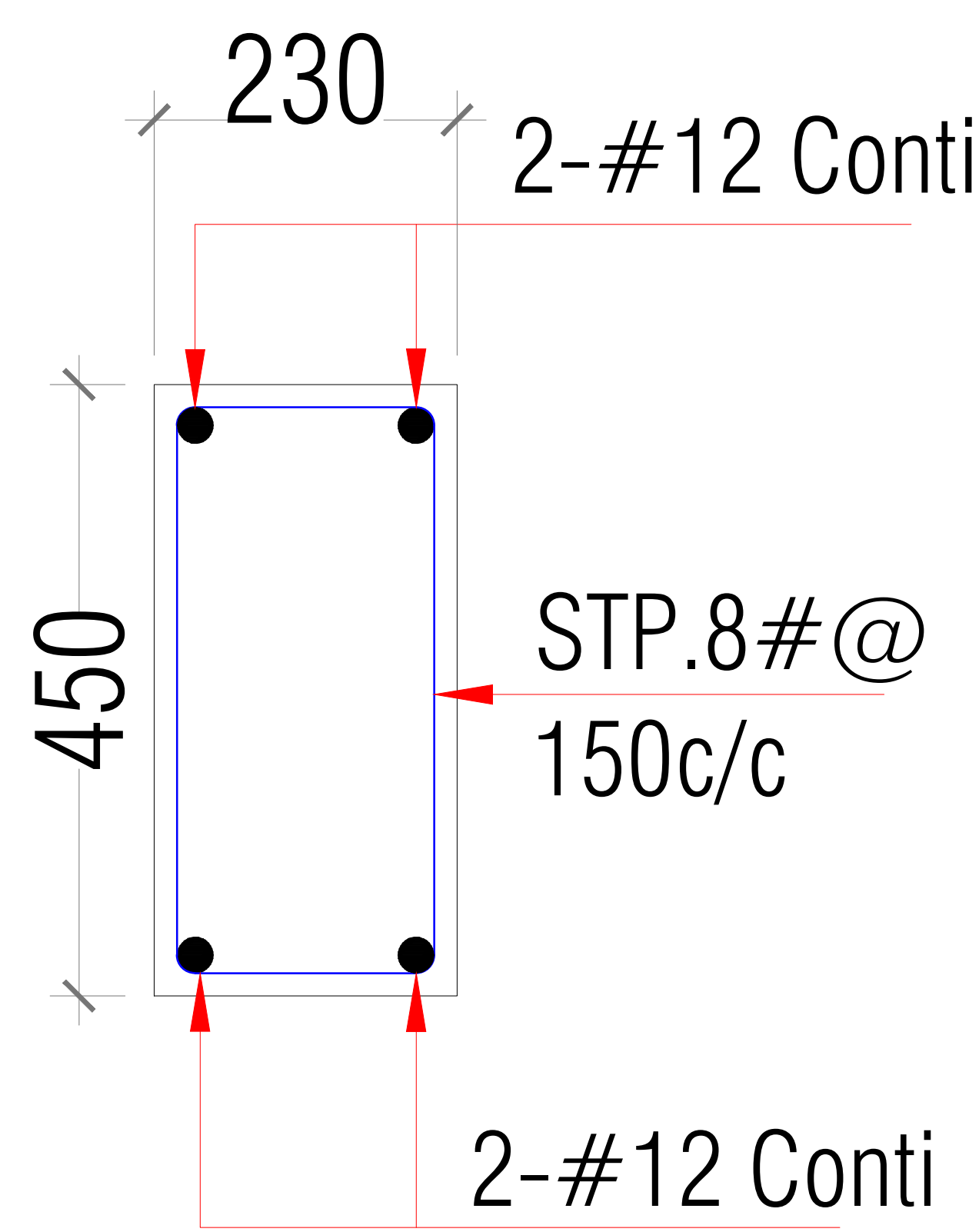
DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AOT-04
DATE:	13-02-2025



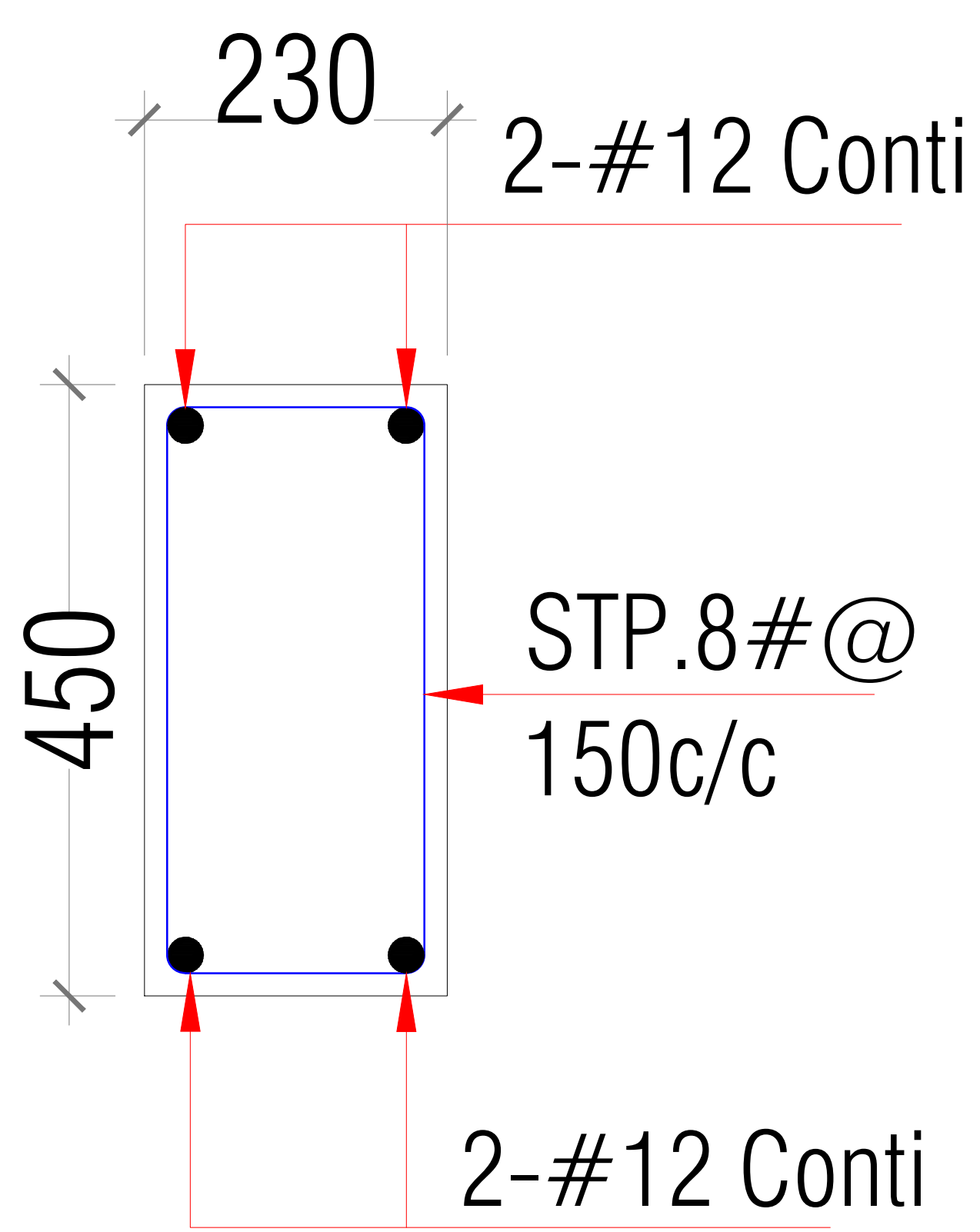
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CROSS SECTION
CON.:- M-25



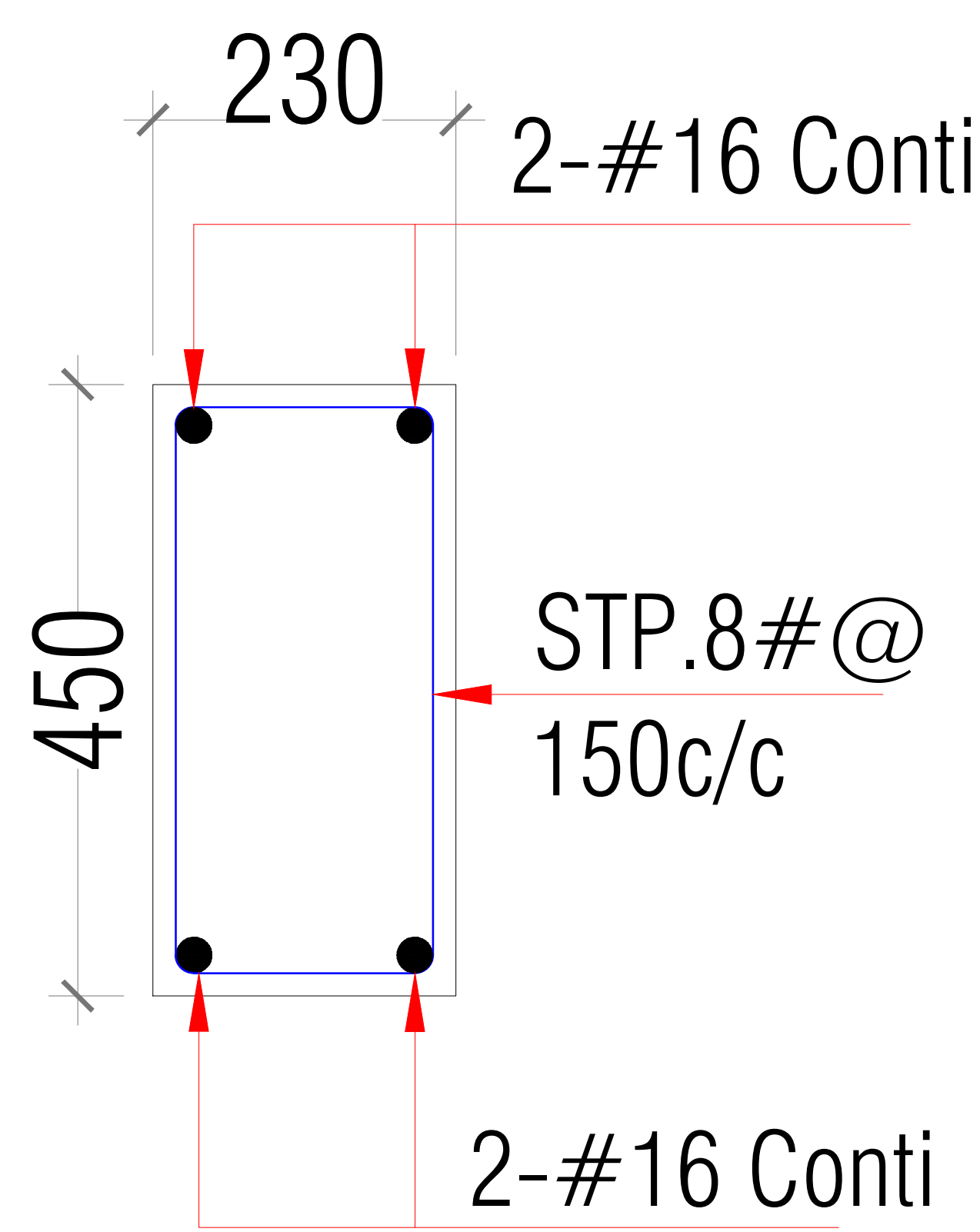
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CROSS SECTION
CON.:- M-25



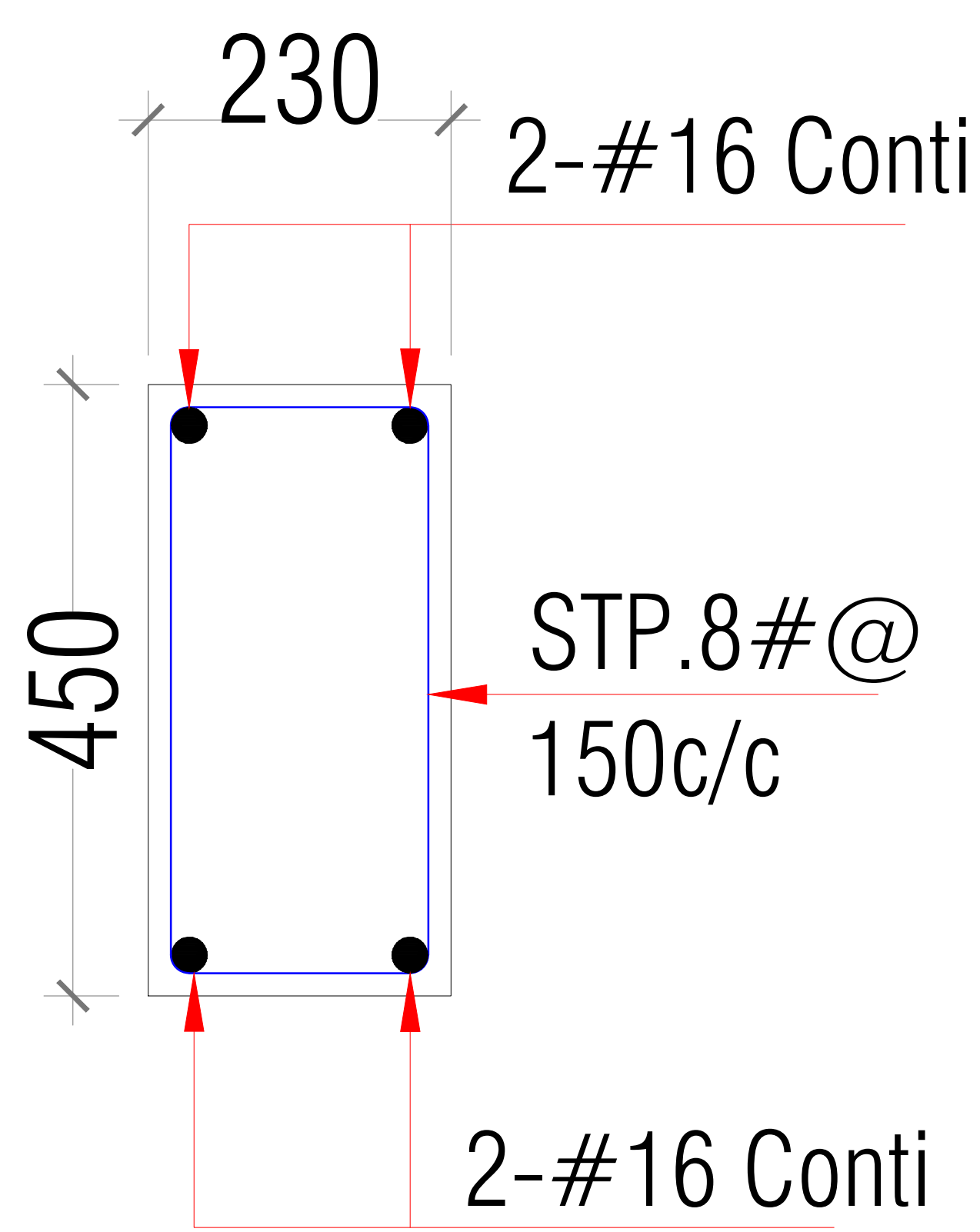
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CROSS SECTION
CON.:- M-25



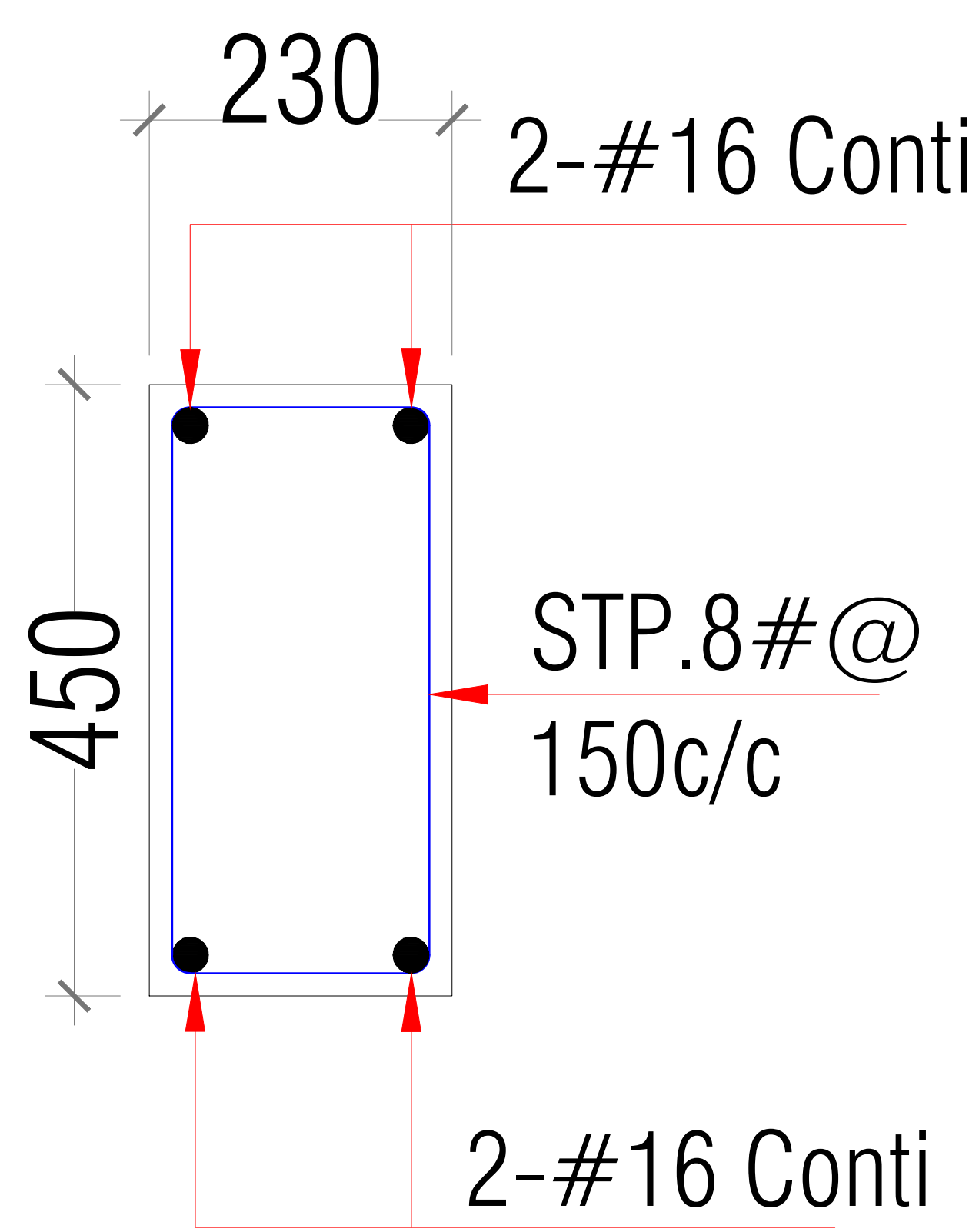
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CROSS SECTION
CON.:- M-25



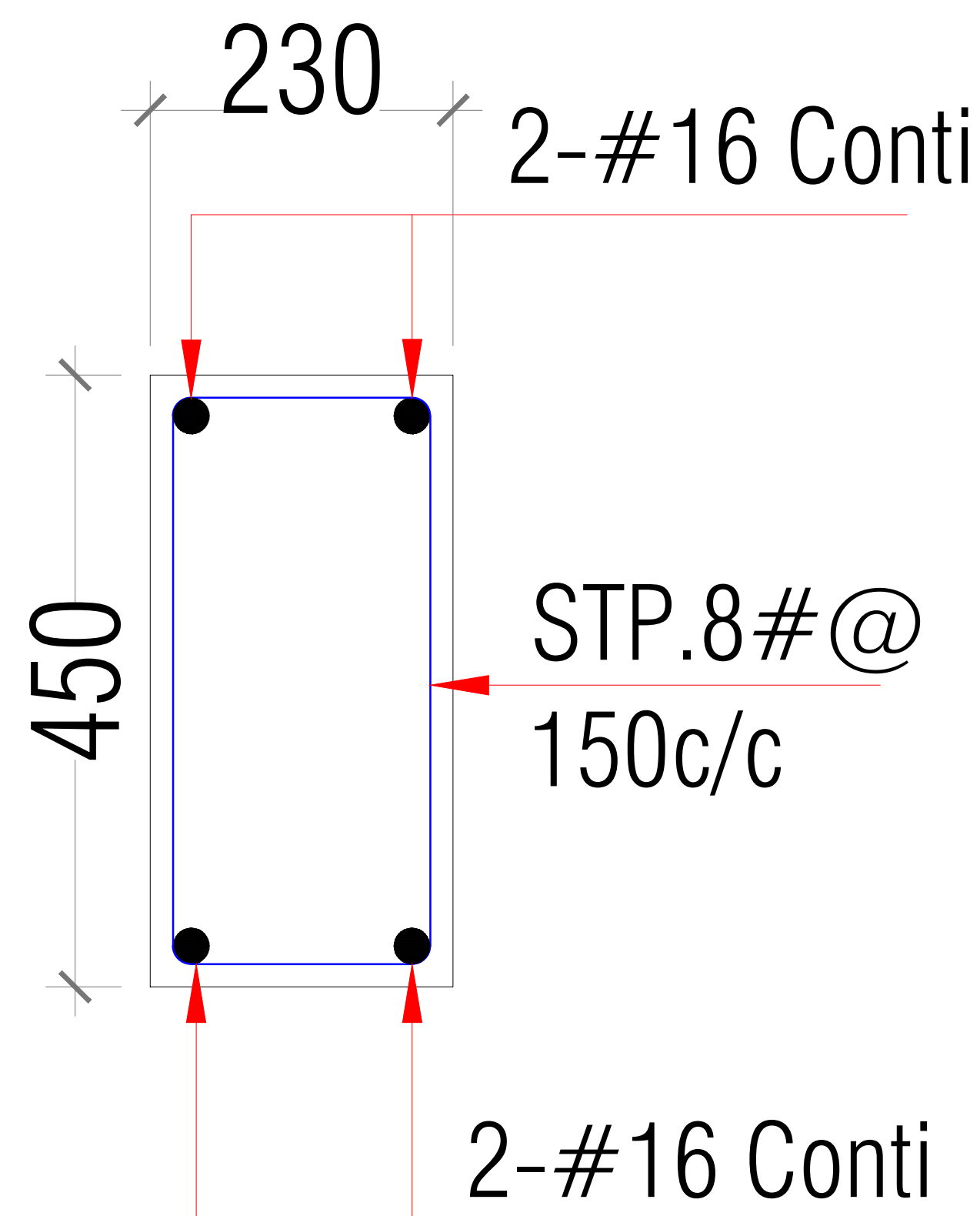
PB-5(230X450)
CROSS SECTION
CON.:- M-25



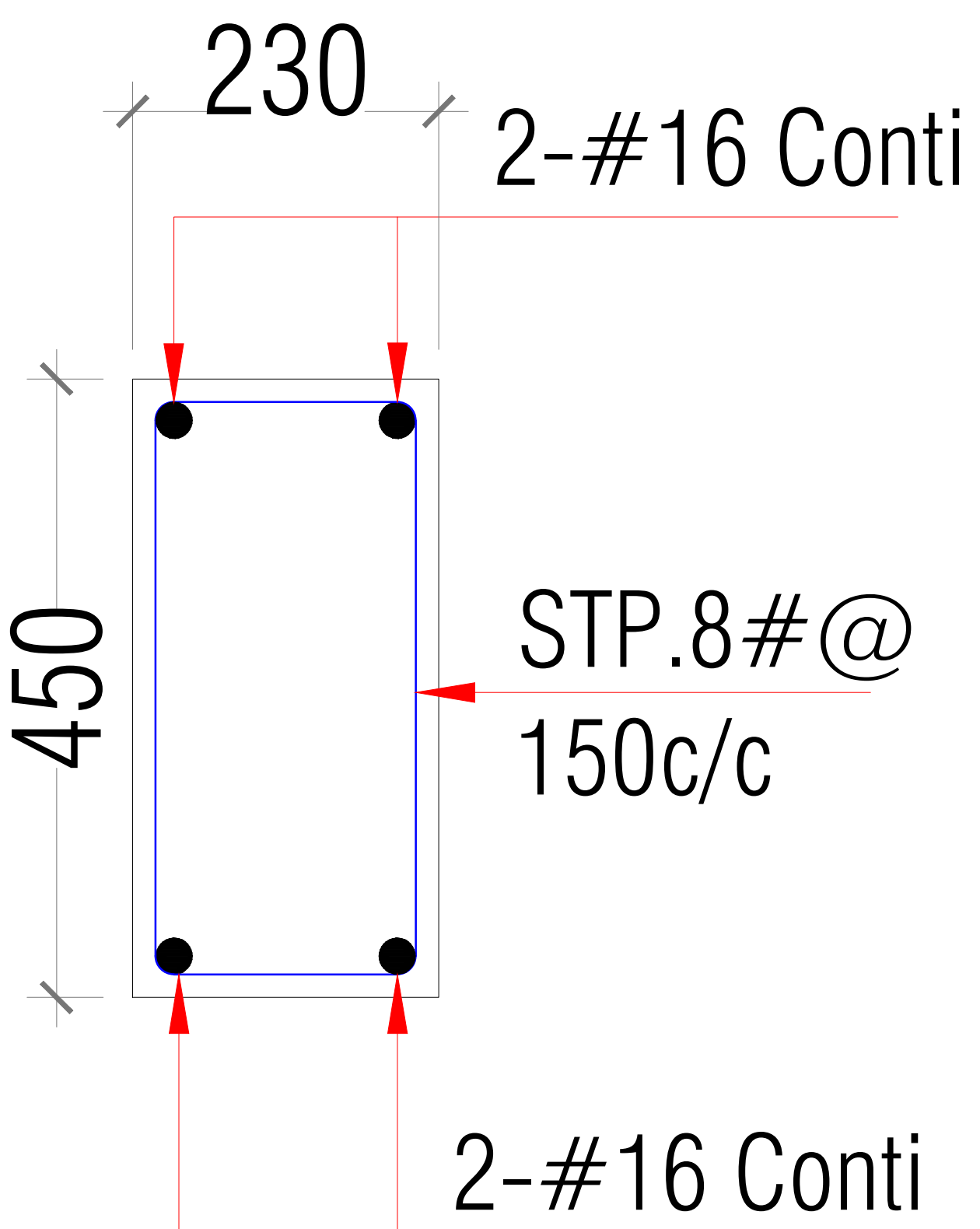
PB-6(230X450)
CROSS SECTION
CON.:- M-25



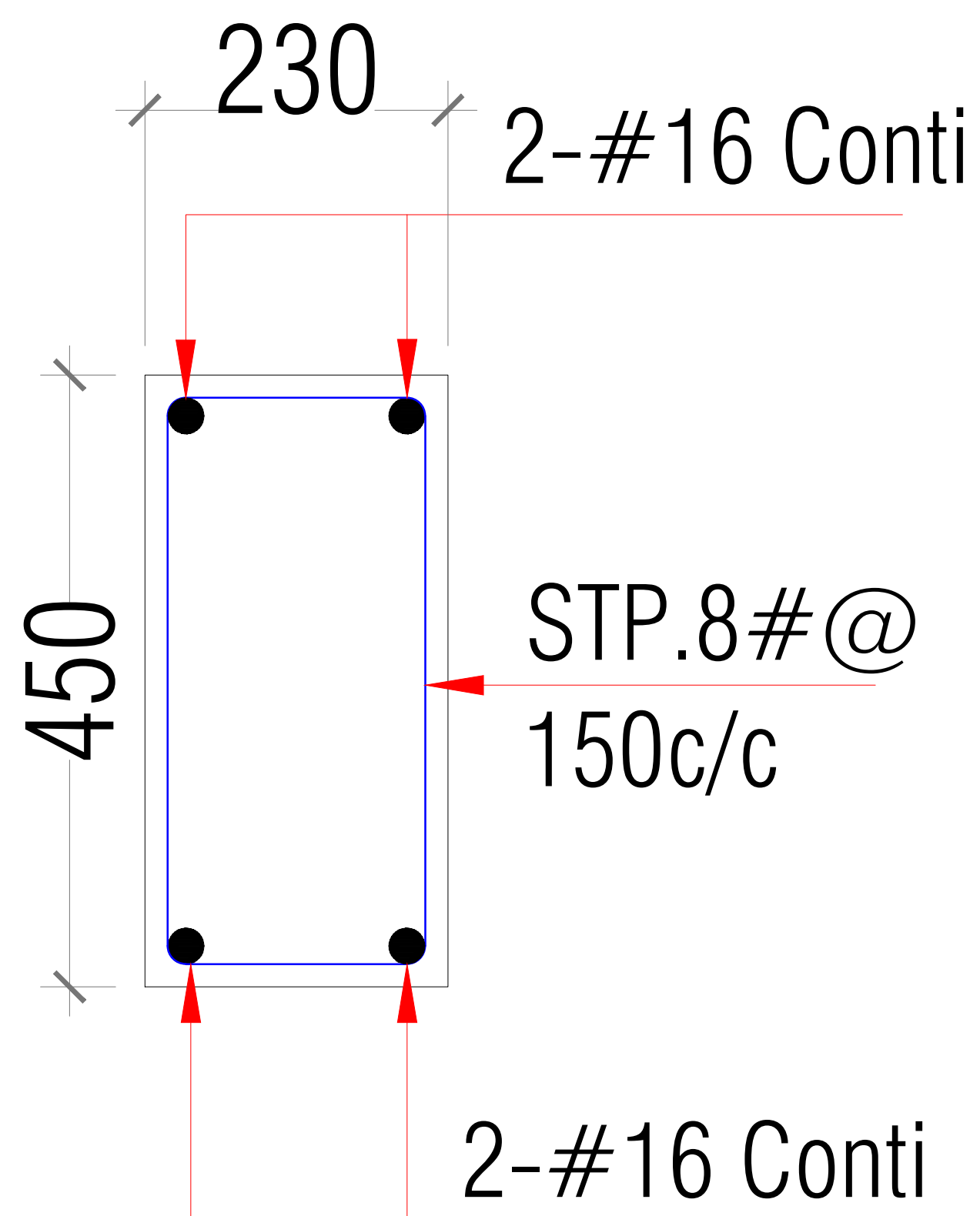
PB-7(230X450)
CROSS SECTION
CON.:- M-25



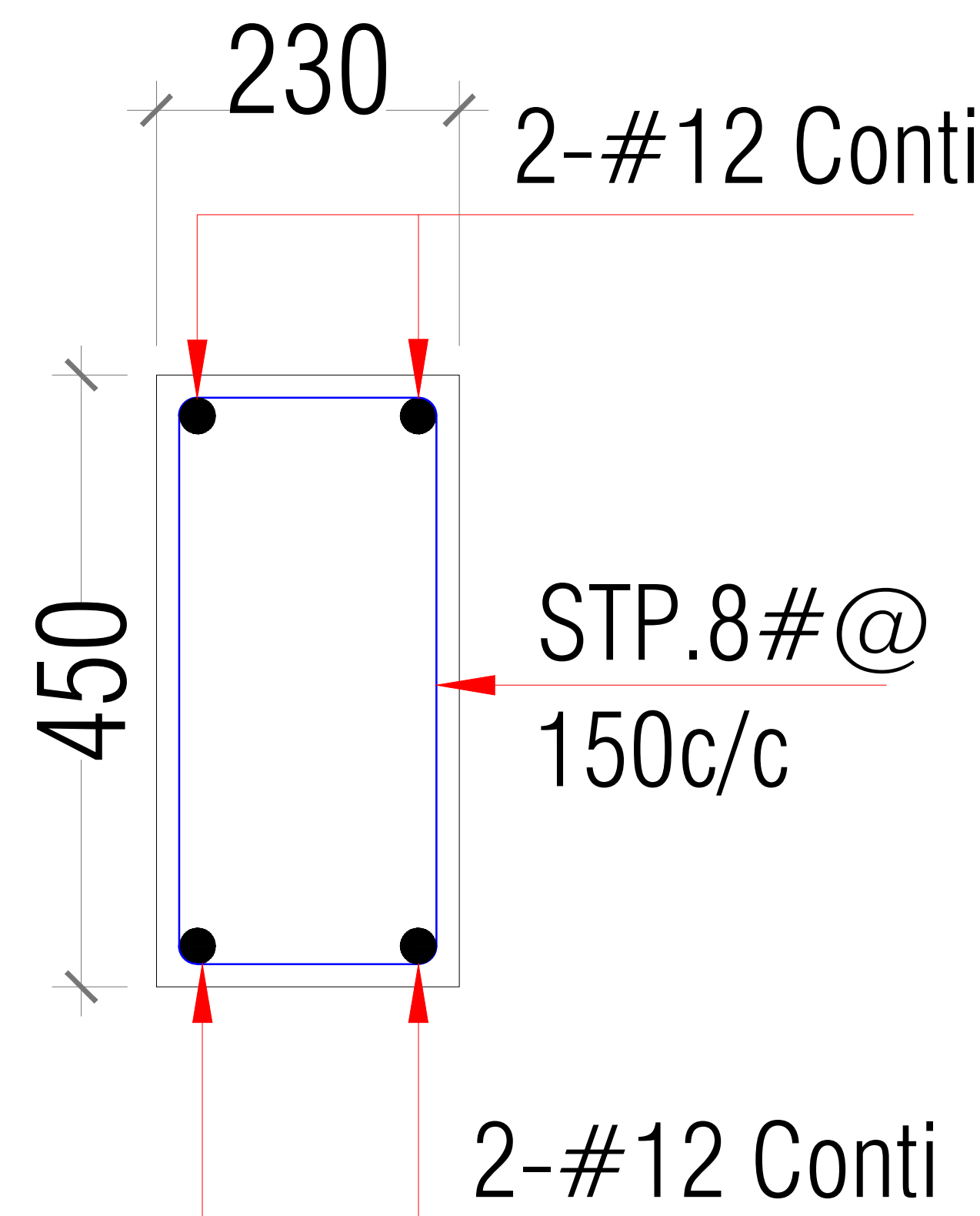
PB-8(230X450)
CROSS SECTION
CON.:- M-25



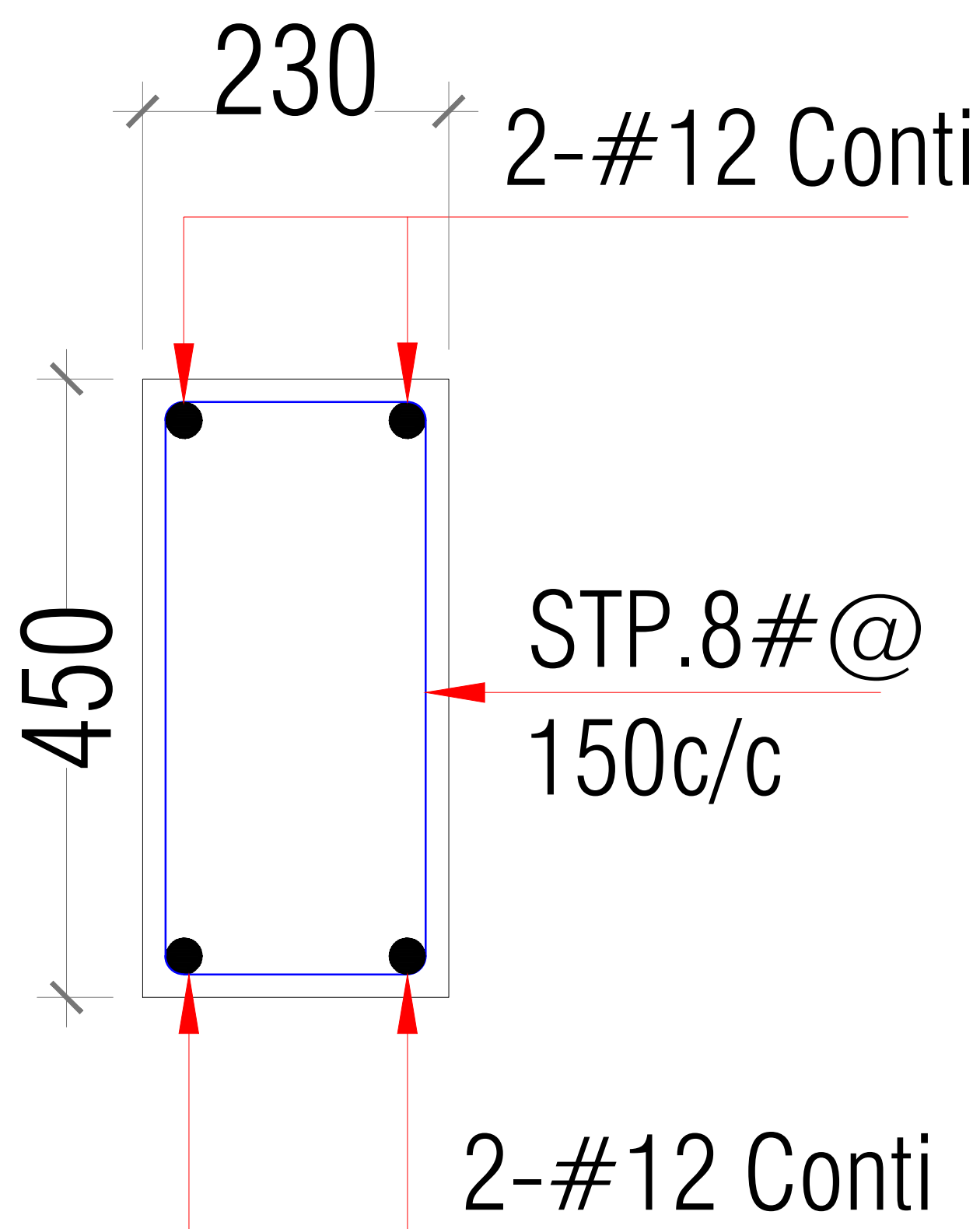
PB-9(230X450)
CROSS SECTION
CON.:- M-25



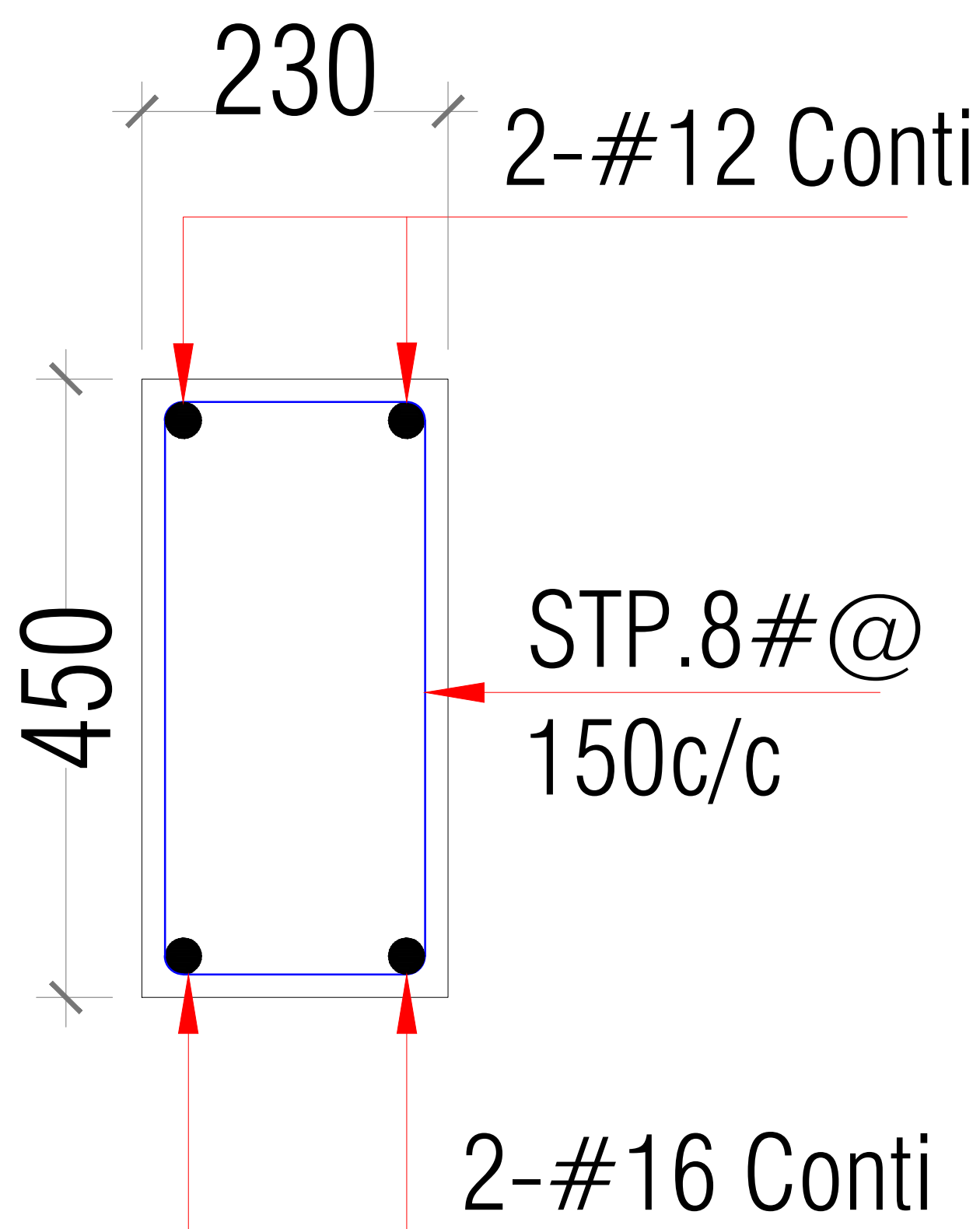
PB-10(230X450)
CROSS SECTION
CON.:- M-25



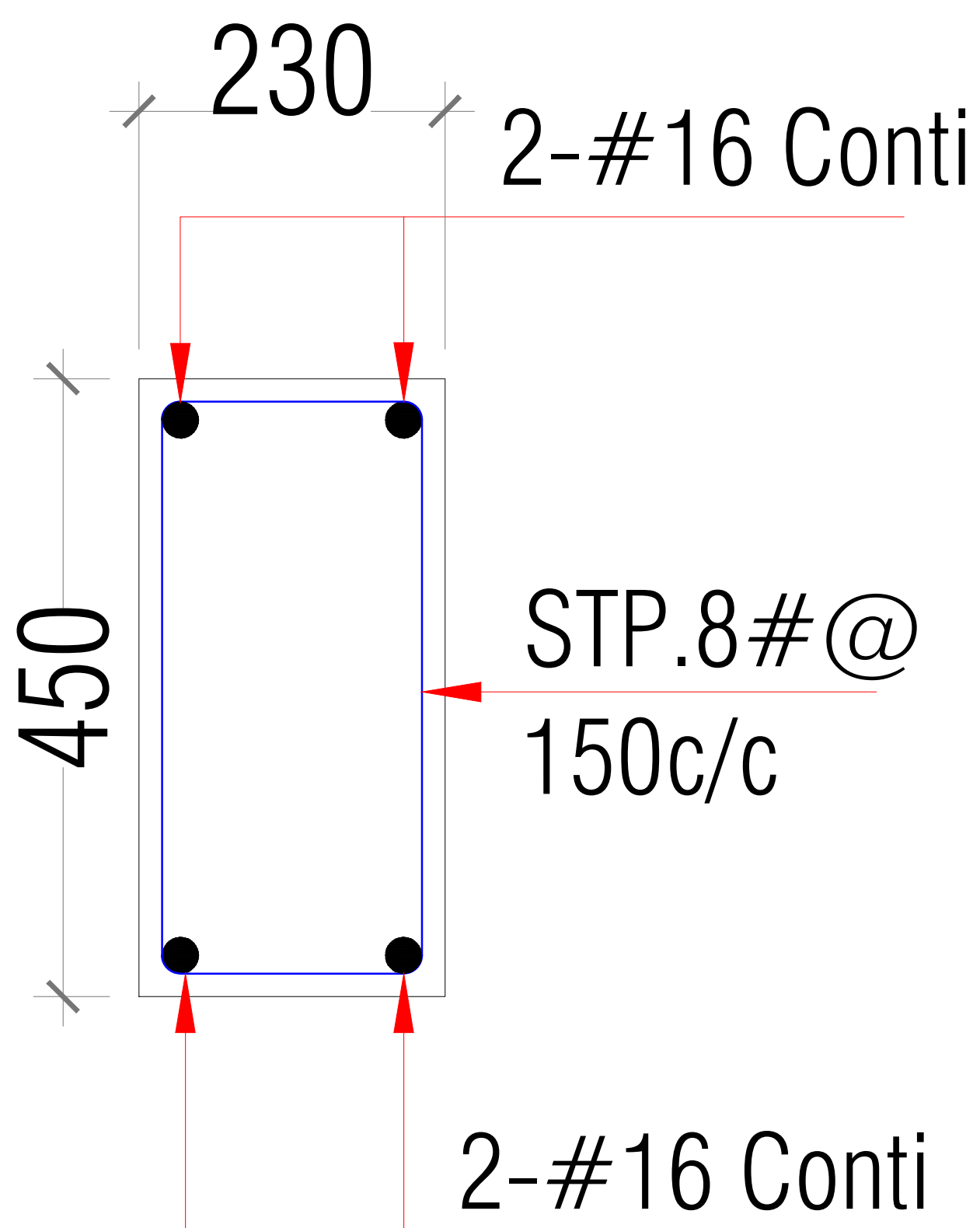
PB-11(230X450)
CROSS SECTION
CON.:- M-25



PB-12(230X450)
CROSS SECTION
CON.:- M-25



PB-13(230X450)
CROSS SECTION
CON.:- M-25



PB-14(230X450)
CROSS SECTION
CON.:- M-25

STRUCTURE CONSULTANT



ARCHITECTS

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- | | |
|--|----------------|
| * WALLS, COLUMNS AND VERTICAL FACES OF ALL MEMBERS | 36 TO 48 HOURS |
| * SLABS (PROPS LEFT UNDER) | 3 DAYS |
| * BEAM SOFFITS (PROPS LEFT UNDER) | 7 DAYS |
| * REMOVAL OF PROPS UNDER SLABS | |
| -SPANNING UP TO 4500 | 7 DAYS |
| -SPANNING OVER 4500 | 14 DAYS |
| * REMOVAL OF PROPS UNDER BEAMS | |
| -SPANNING UP TO 6000 | 14 DAYS |
| -SPANNING OVER 6000 | 21 DAYS |

CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC. WORK SHALL BE CARRIED OUT AS PER IS-456-2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
M-35	33Ø	27Ø
M-40	30Ø	24Ø

REINFORCING STEEL :-

- R1. ALL REINFORCEING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS:1786:2008.
- R2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERSTIC STRENGTH OF 500D N/mm².
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
- | | |
|--------------|---------------------|
| * FOUNDATION | 50 mm. ALL AROUND |
| * COLUMNS | 40 mm. ALL AROUND |
| * BEAMS | 30 mm. ALL AROUND |
| * SLABS | 20 mm. TOP & BOTTOM |
| * WALLS | 25 mm. EARTH FACE |
| * WALLS | 20 mm. INNER FACE |

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
 - * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.


PROJECT

PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

DRAWING TITLE

PLINTH BEAM DESIGN

DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AF-07
DATE:	13-02-2025


KAMAL KUMAR SHARMA
B.Tech (Civil) M.Tech.(Structure)
CE of IEI
Reg. No. - AM181487-5



STRUCTURE CONSULTANT



YUKTA ENGINEERING CONSULTANCY
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Mobile : +91 8952912598, 8058288688
E mail : yuktaconsultancy@yahoo.com

ARCHITECTS

PANKAJ GUPTA & ASSOCIATES
Flat no. 603 B, Golden Leaf Apartment, Tonk
Road, Near Gandhi Nagar Station, Jaipur-15

GENERAL NOTES :-

- (1). DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSIONS ONLY.
- (2). ANY DISCREPANCY IN THE DRAWING SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF ARCHITECT, PRIOR TO THE CONSTRUCTION.
- (3). BAD WORKMANSHIP WILL BE SOLE RESPONSIBILITY OF CLIENT & CONTRACTOR.

EXCAVATION CHECK :-

- (1). THE PROPER SOIL INVESTIGATION HAS BEEN CARRIED OUT FOR DETERMINING THE SAFE BEARING CAPACITY.
- (2). THE SOIL SHOULD NOT LIABLE TO LIQUEFACTION DUE DUE TO EARTHQUAKES.
- (3). THE SOIL SHOULD NOT LIABLE TO LANDSLIDE HAZARD.

CONSTRUCTION PRACTICE :-

- P1. IT IS MANDATORY TO REMOVE ALL LOOSE SOIL TILL THE FIRM SOIL IS REACHED.
- P2. BACK FILLING AROUND THE FOUNDATIONS SHALL BE CARRIED OUT USING SOIL, SAND WITHOUT GRAVEL AND PEBBLES.
- P3. IT IS ADVISABLE TO ALLOW STANDING WATER IN THE EXCAVATION TRENCHES FOR 24 HOURS. WHEN THE SURFACE IS SEMIDRY, HAND RAMMING SHALL BE CARRIED OUT WITH AT LEAST 6 TO 8 PASSES.
- P4. BACK FILLING OF BASEMENT WALLS SHALL BE DONE ONLY AFTER THE ROOF SLAB HAS BEEN DEPROPPED.
- P5. IN NORMAL CIRCUMSTANCES AND WHERE ORDINARY PORTLAND CEMENT IS USED, FORMS MAY GENERALLY BE REMOVED AFTER THE EXPIRY OF THE FOLLOWING PERIODS
 - * WALLS, COLUMNS AND VERTICAL FACES OF ALL MEMBERS 36 TO 48 HOURS
 - * SLABS (PROPS LEFT UNDER) 3 DAYS
 - * BEAM SOFFITS (PROPS LEFT UNDER) 7 DAYS
 - * REMOVAL OF PROPS UNDER SLABS
 - SPANNING UP TO 4500 7 DAYS
 - SPANNING OVER 4500 14 DAYS
 - * REMOVAL OF PROPS UNDER BEAMS
 - SPANNING UP TO 6000 14 DAYS
 - SPANNING OVER 6000 21 DAYS

CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC. WORK SHALL BE CARRIED OUT AS PER IS-456-2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
M-35	33Ø	27Ø
M-40	30Ø	24Ø

REINFORCING STEEL :-

- R1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS:1786:2008.
- R2. REFER TO HIGH YEILD STRENGTH DEFORMED BARS WITH CHARACTERSTIC STRENGTH OF 500D N/mm².
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
 - * FOUNDATION 50 mm. ALL AROUND
 - * COLUMNS 40 mm. ALL AROUND
 - * BEAMS 30 mm. ALL AROUND
 - * SLABS 20 mm. TOP & BOTTOM
 - * WALLS 25 mm. EARTH FACE
 - * WALLS 20 mm. INNER FACE

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
 - * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.

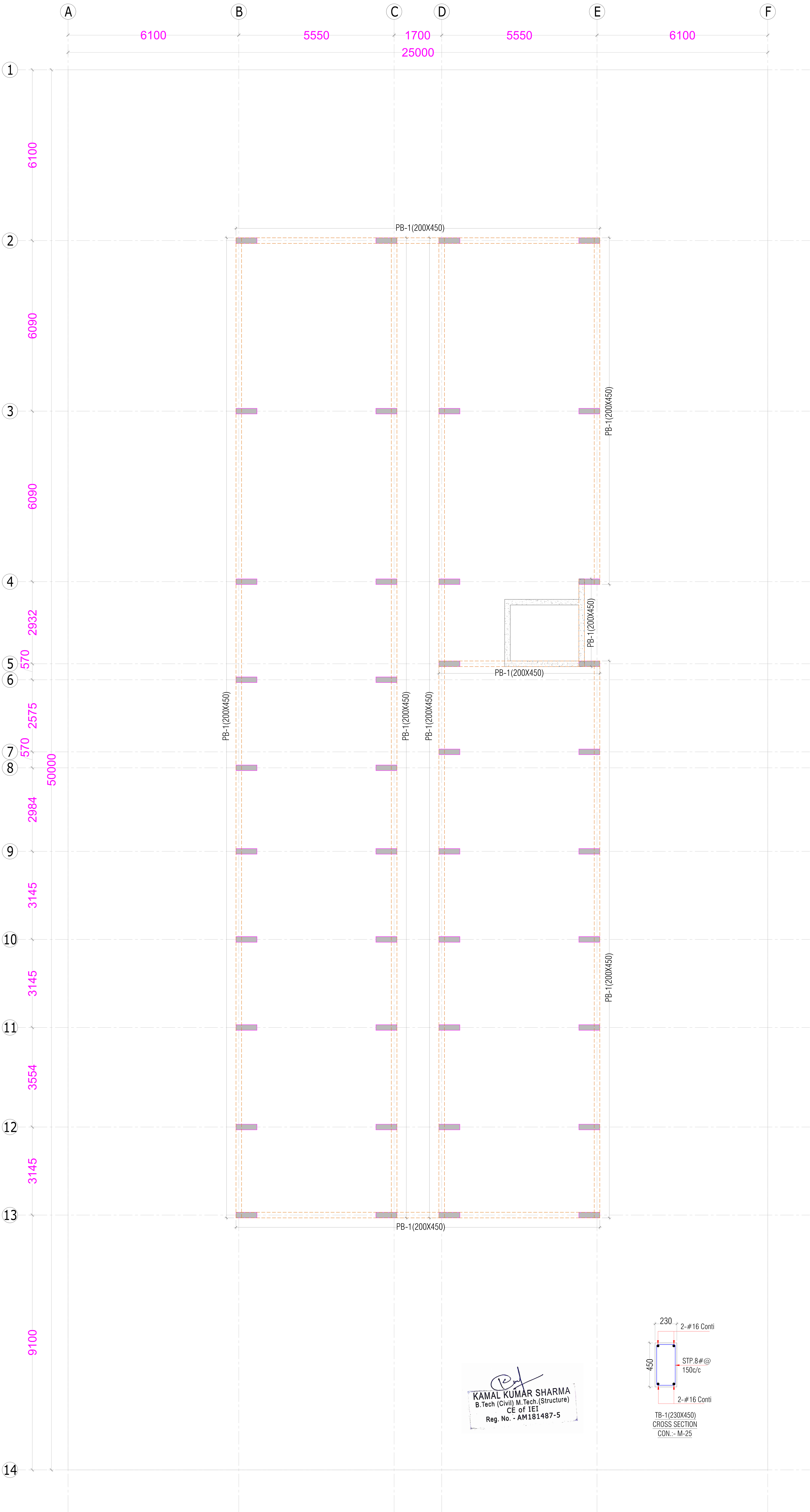
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

DRAWING TITLE

PLINTH BEAM LAYOUT PLAN

DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AF-06
DATE:	13-02-2025



STRUCTURE CONSULTANT



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E mail : yuktaconsultancy@yahoo.com

ARCHITECTS

PANKAJ GUPTA & ASSOCIATES
Flat no. 603 B, Golden Leaf Apartment, Tonk
Road, Near Gandhi Nagar Station, Jaipur-15

GENERAL NOTES :-

- (1). DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSIONS ONLY.
- (2). ANY DISCREPANCY IN THE DRAWING SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF ARCHITECT, PRIOR TO THE CONSTRUCTION.
- (3). BAD WORKMANSHIP WILL BE SOLE RESPONSIBILITY OF CLIENT & CONTRACTOR.

EXCAVATION CHECK :-

- (1). THE PROPER SOIL INVESTIGATION HAS BEEN CARRIED OUT FOR DETERMINING THE SAFE BEARING CAPACITY.
- (2). THE SOIL SHOULD NOT LIABLE TO LIQUEFACTION DUE DUE TO EARTHQUAKES.
- (3). THE SOIL SHOULD NOT LIABLE TO LANDSLIDE HAZARD.

CONSTRUCTION PRACTICE :-

- P1. IT IS MANDATORY TO REMOVE ALL LOOSE SOIL TILL THE FIRM SOIL IS REACHED.
- P2. BACK FILLING AROUND THE FOUNDATIONS SHALL BE CARRIED OUT USING SOIL,SAND WITHOUT GRAVEL AND PEBBLES.
- P3. IT IS ADVISABLE TO ALLOW STANDING WATER IN THE EXCAVATION TRENCHES FOR 24 HOURS. WHEN THE SURFACE IS SEMIDRY, HAND RAMMING SHALL BE CARRIED OUT WITH AT LEAST 6 TO 8 PASSES.
- P4. BACK FILLING OF BASEMENT WALLS SHALL BE DONE ONLY AFTER THE ROOF SLAB HAS BEEN DEPROPPED.
- P5. IN NORMAL CIRCUMSTANCES AND WHERE ORDINARY PORTLAND CEMENT IS USED, FORMS MAY GENERALLY BE REMOVED AFTER THE EXPIRY OF THE FOLLOWING PERIODS
- | | |
|--|----------------|
| * WALLS, COLUMNS AND VERTICAL FACES OF ALL MEMBERS | 36 TO 48 HOURS |
| * SLABS (PROPS LEFT UNDER) | 3 DAYS |
| * BEAM SOFFITS (PROPS LEFT UNDER) | 7 DAYS |
| * REMOVAL OF PROPS UNDER SLABS | |
| -SPANNING UP TO 4500 | 7 DAYS |
| -SPANNING OVER 4500 | 14 DAYS |
| * REMOVAL OF PROPS UNDER BEAMS | |
| -SPANNING UP TO 6000 | 14 DAYS |
| -SPANNING OVER 6000 | 21 DAYS |

CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC. WORK SHALL BE CARRIED OUT AS PER IS-456-2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
M-35	33Ø	27Ø
M-40	30Ø	24Ø

REINFORCING STEEL :-

- R1. ALL REINFORCEING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS:1786:2008.
- R2. REFER TO HIGH YEILD STRENGTH DEFORMED BARS WITH CHARACTERSTIC STRENGTH OF 500D N/mm².
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
- | | |
|--------------|---------------------|
| * FOUNDATION | 50 mm. ALL AROUND |
| * COLUMNS | 40 mm. ALL AROUND |
| * BEAMS | 30 mm. ALL AROUND |
| * SLABS | 20 mm. TOP & BOTTOM |
| * WALLS | 25 mm. EARTH FACE |
| * WALLS | 20 mm. INNER FACE |

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
 - * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.

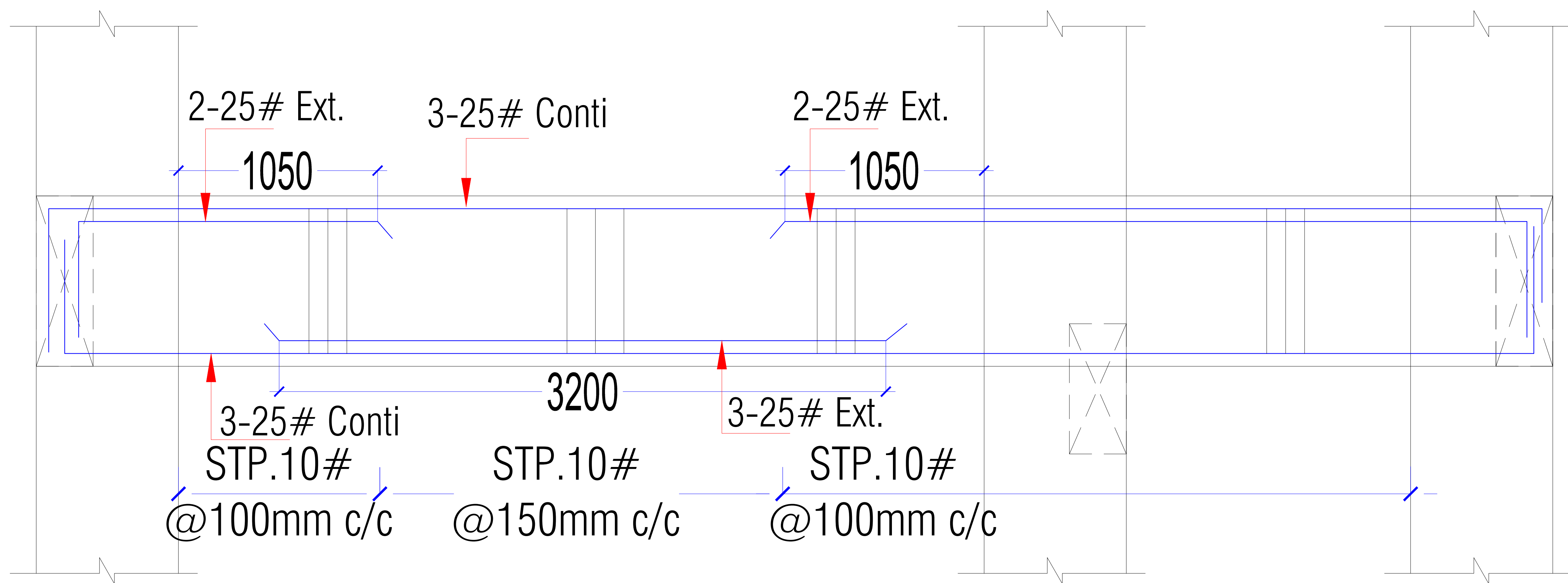
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

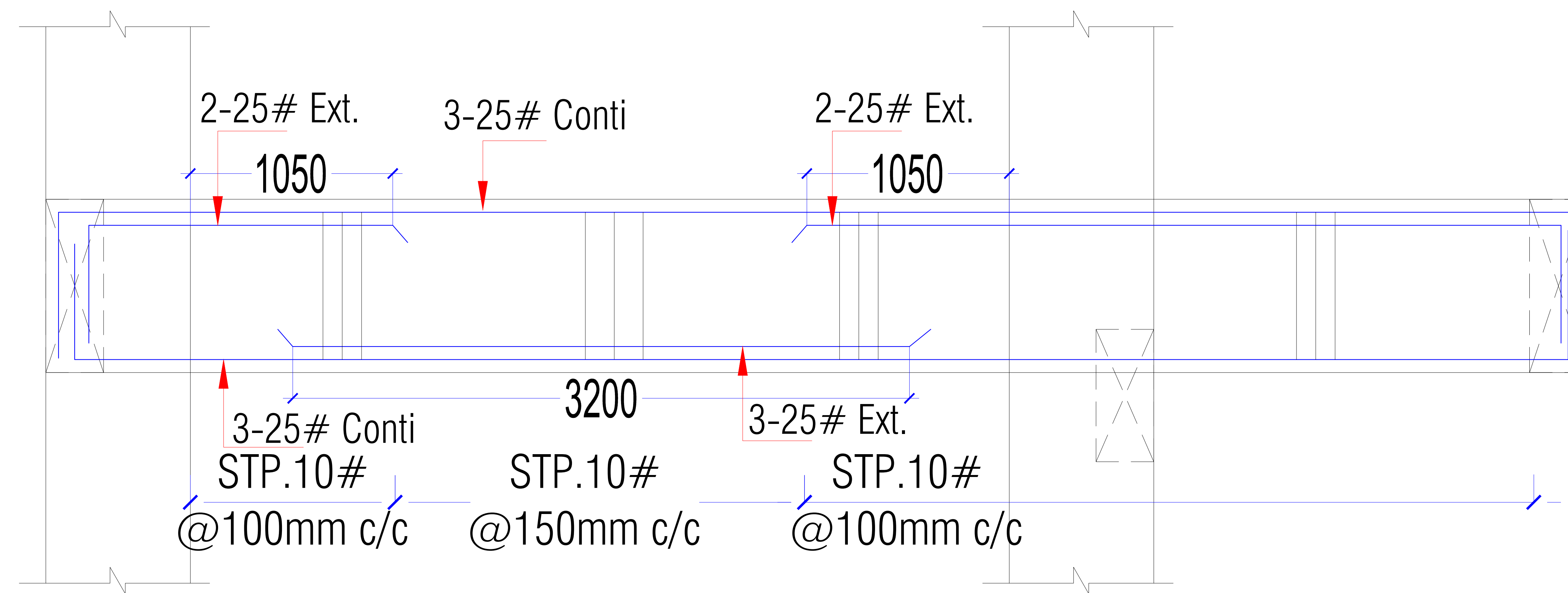
DRAWING TITLE

TIE BEAM DETAIL

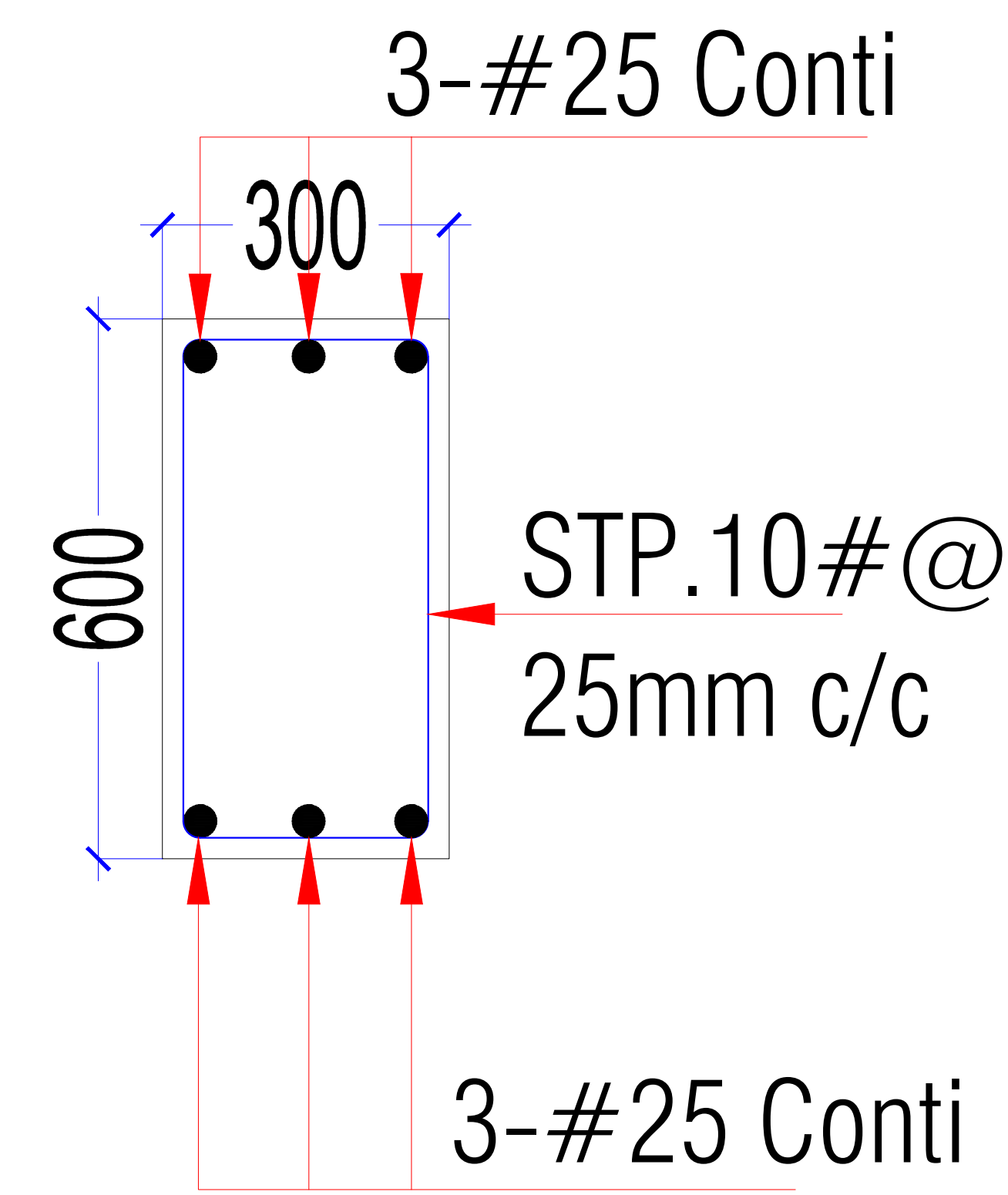
DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AF-08
DATE:	13-02-2025



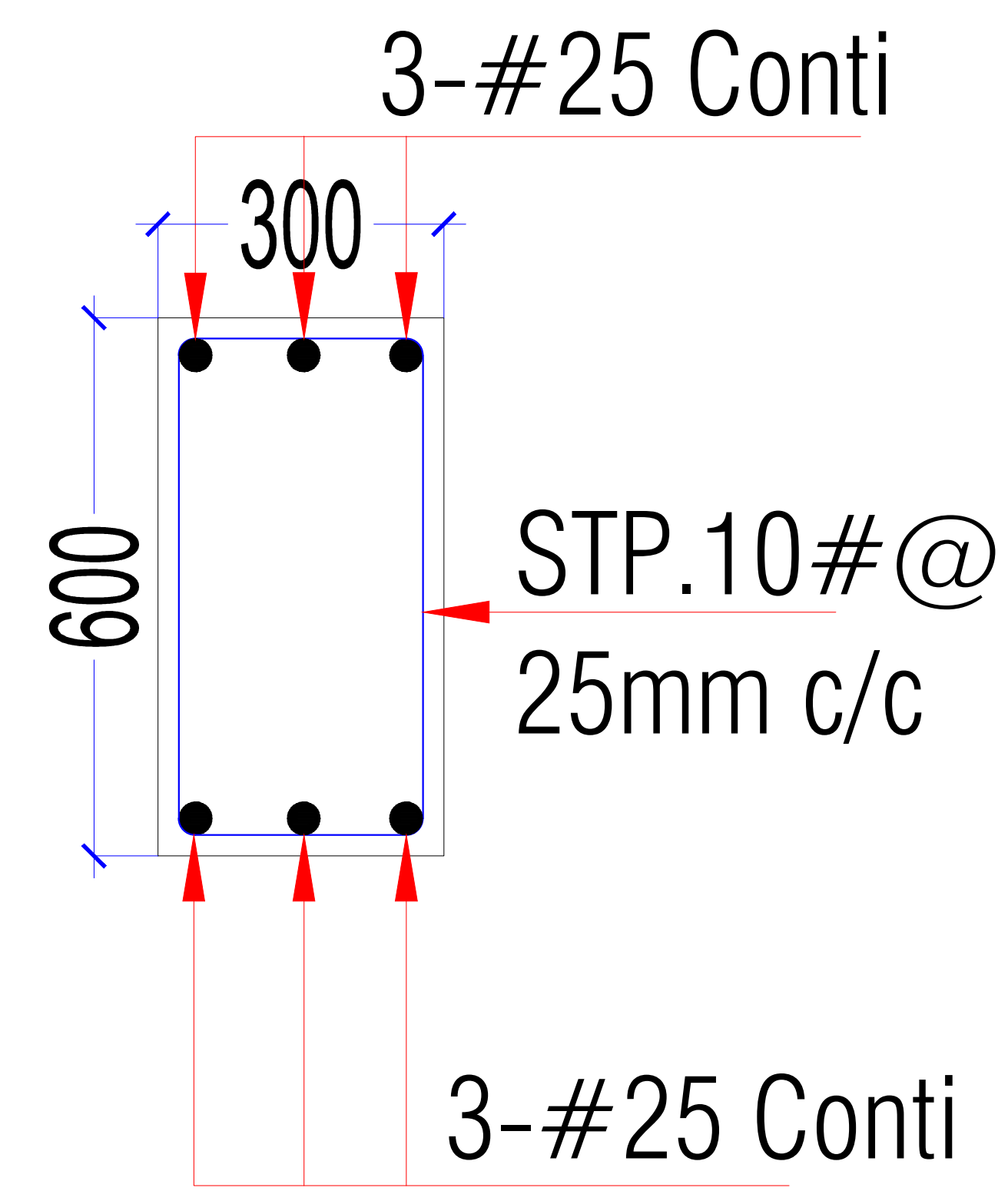
B-1(200X600)
LONGITUDINAL BEAM
CON:- M-25
(INVERTED BEAM)



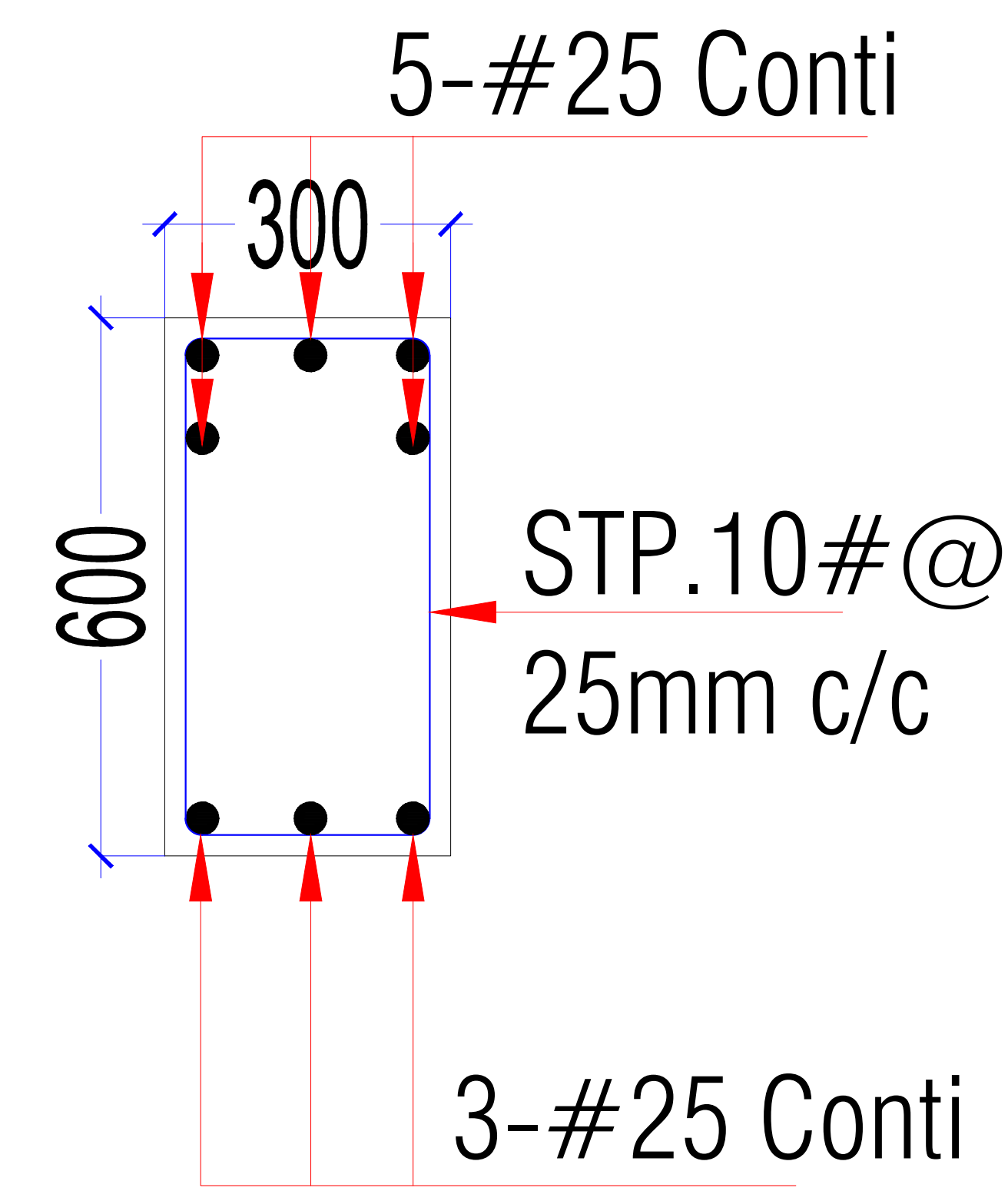
B-2(200X600)
LONGITUDINAL BEAM
CON:- M-25
(INVERTED BEAM)



B-3(300X600)
CROSS SECTION
CON:- M-25
(INVERTED BEAM)



B-4(300X600)
CROSS SECTION
CON:- M-25



B-5(300X600)
CROSS SECTION
CON:- M-25
(INVERTED BEAM)

STRUCTURE CONSULTANT



ARCHITECTS

PANKAJ GUPTA & ASSOCIATES
Flat no. 603 B, Golden Leaf Apartment, Tonk
Road, Near Gandhi Nagar Station, Jaipur-15

GENERAL NOTES :-

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- (2). ANY DISCREPANCY IN THE DRAWING SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF ARCHITECT, PRIOR TO THE CONSTRUCTION.
- (3). BAD WORKMANSHIP WILL BE SOLE RESPONSIBILITY OF CLIENT & CONTRACTOR.

EXCAVATION CHECK :-

- (1). THE PROPER SOIL INVESTIGATION HAS BEEN CARRIED OUT FOR DETERMINING THE SAFE BEARING CAPACITY.
- (2). THE SOIL SHOULD NOT LIABLE TO LIQUEFACTION DUE DUE TO EARTHQUAKES.
- (3). THE SOIL SHOULD NOT LIABLE TO LANDSLIDE HAZARD.

CONSTRUCTION PRACTICE :-

- P1. IT IS MANDATORY TO REMOVE ALL LOOSE SOIL TILL THE FIRM SOIL IS REACHED.
- P2. BACK FILLING AROUND THE FOUNDATIONS SHALL BE CARRIED OUT USING SOIL, SAND WITHOUT GRAVEL AND PEBBLES.
- P3. IT IS ADVISABLE TO ALLOW STANDING WATER IN THE EXCAVATION TRENCHES FOR 24 HOURS. WHEN THE SURFACE IS SEMIDRY, HAND RAMMING SHALL BE CARRIED OUT WITH AT LEAST 6 TO 8 PASSES.
- P4. BACK FILLING OF BASEMENT WALLS SHALL BE DONE ONLY AFTER THE ROOF SLAB HAS BEEN DEPROPPED.
- P5. IN NORMAL CIRCUMSTANCES AND WHERE ORDINARY PORTLAND CEMENT IS USED, FORMS MAY GENERALLY BE REMOVED AFTER THE EXPIRY OF THE FOLLOWING PERIODS
- | | |
|-----------------------------------|----------------|
| * WALLS, COLUMNS AND VERTICAL | |
| FACES OF ALL MEMBERS | 36 TO 48 HOURS |
| * SLABS (PROPS LEFT UNDER) | 3 DAYS |
| * BEAM SOFFITS (PROPS LEFT UNDER) | 7 DAYS |
| * REMOVAL OF PROPS UNDER SLABS | |
| -SPANNING UP TO 4500 | 7 DAYS |
| -SPANNING OVER 4500 | 14 DAYS |
| * REMOVAL OF PROPS UNDER BEAMS | |
| -SPANNING UP TO 6000 | 14 DAYS |
| -SPANNING OVER 6000 | 21 DAYS |

CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC. WORK SHALL BE CARRIED OUT AS PER IS-456-2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
M-35	33Ø	27Ø
M-40	30Ø	24Ø

REINFORCING STEEL :-

- R1. ALL REINFORCEING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS:1786:2008.
- R2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERSTIC STRENGTH OF 500D N/mm².
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
- | | |
|--------------|---------------------|
| * FOUNDATION | 50 mm. ALL AROUND |
| * COLUMNS | 40 mm. ALL AROUND |
| * BEAMS | 30 mm. ALL AROUND |
| * SLABS | 20 mm. TOP & BOTTOM |
| * WALLS | 25 mm. EARTH FACE |
| * WALLS | 20 mm. INNER FACE |

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
 - * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.

PROJECT

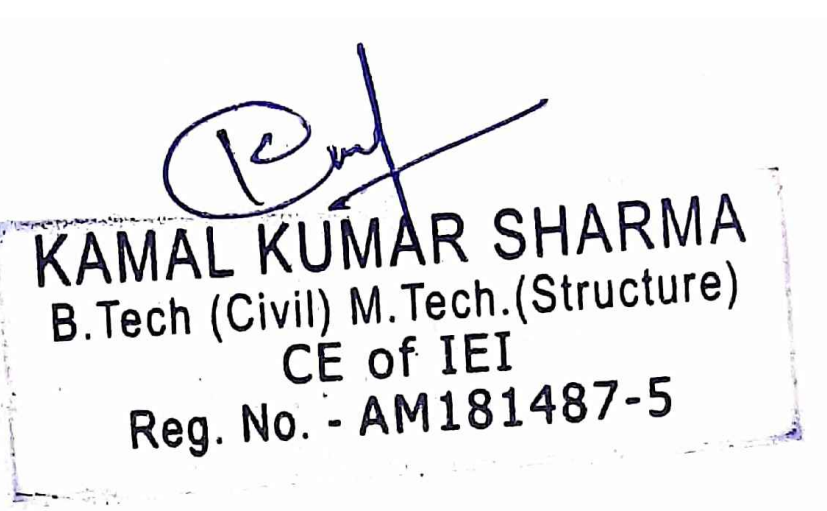
PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

DRAWING TITLE

WATER TANK BOTTOM SLAB BEAM DESIGN

DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AOT-03
DATE:	13-02-2025


KAMAL KUMAR SHARMA
B.Tech (Civil) M.Tech.(Structure)
CE of IEI
Reg. No. - AM181487-5



DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AF-03
DATE:	13-02-2025



STRUCTURE CONSULTANT



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E mail : yuktaconsultancy@yahoo.com

ARCHITECTS

PANKAJ GUPTA & ASSOCIATES
Flat no. 603 B, Golden Leaf Apartment, Tonk
Road, Near Gandhi Nagar Station, Jaipur-15

GENERAL NOTES :-

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- (3). BAD WORKMANSHIP WILL BE SOLE RESPONSIBILITY OF CLIENT & CONTRACTOR.

EXCAVATION CHECK :-

- (1). THE PROPER SOIL INVESTIGATION HAS BEEN CARRIED OUT FOR DETERMINING THE SAFE BEARING CAPACITY.
- (2). THE SOIL SHOULD NOT LIABLE TO LIQUEFACTION DUE DUE TO EARTHQUAKES.
- (3). THE SOIL SHOULD NOT LIABLE TO LANDSLIDE HAZARD.

CONSTRUCTION PRACTICE :-

- P1. IT IS MANDATORY TO REMOVE ALL LOOSE SOIL TILL THE FIRM SOIL IS REACHED.
- P2. BACK FILLING AROUND THE FOUNDATIONS SHALL BE CARRIED OUT USING SOIL,SAND WITHOUT GRAVEL AND PEBBLES.
- P3. IT IS ADVISABLE TO ALLOW STANDING WATER IN THE EXCAVATION TRENCHES FOR 24 HOURS. WHEN THE SURFACE IS SEMIDRY, HAND RAMMING SHALL BE CARRIED OUT WITH AT LEAST 6 TO 8 PASSES.
- P4. BACK FILLING OF BASEMENT WALLS SHALL BE DONE ONLY AFTER THE ROOF SLAB HAS BEEN DEPROPPED.
- P5. IN NORMAL CIRCUMSTANCES AND WHERE ORDINARY PORTLAND CEMENT IS USED, FORMS MAY GENERALLY BE REMOVED AFTER THE EXPIRY OF THE FOLLOWING PERIODS
- | | |
|--|----------------|
| * WALLS, COLUMNS AND VERTICAL FACES OF ALL MEMBERS | 36 TO 48 HOURS |
| * SLABS (PROPS LEFT UNDER) | 3 DAYS |
| * BEAM SOFFITS (PROPS LEFT UNDER) | 7 DAYS |
| * REMOVAL OF PROPS UNDER SLABS | |
| -SPANNING UP TO 4500 | 7 DAYS |
| -SPANNING OVER 4500 | 14 DAYS |
| * REMOVAL OF PROPS UNDER BEAMS | |
| -SPANNING UP TO 6000 | 14 DAYS |
| -SPANNING OVER 6000 | 21 DAYS |

CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC. WORK SHALL BE CARRIED OUT AS PER IS-456-2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	47Ø	38Ø
M-25	40Ø	32Ø
M-30	38Ø	30Ø
M-35	33Ø	27Ø
M-40	30Ø	24Ø

REINFORCING STEEL :-

- R1. ALL REINFORCEING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS:1786:2008.
- R2. REFER TO HIGH YEILD STRENGTH DEFORMED BARS WITH CHARACTERSTIC STRENGTH OF 500D N/mm².
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
- | | |
|--------------|---------------------|
| * FOUNDATION | 50 mm. ALL AROUND |
| * COLUMNS | 40 mm. ALL AROUND |
| * BEAMS | 30 mm. ALL AROUND |
| * SLABS | 20 mm. TOP & BOTTOM |
| * WALLS | 25 mm. EARTH FACE |
| * WALLS | 20 mm. INNER FACE |

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
 - * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.

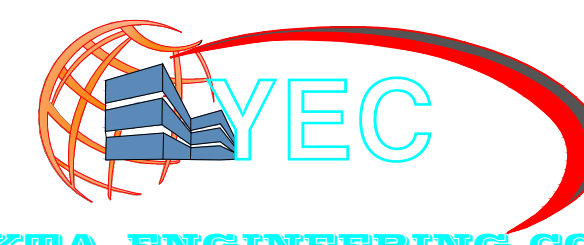
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
(SETTLEMENT) SCHEME, VILLAGE
BHAMBORIYA, TEHSIL SANGANER, JAIPUR
(RAJASTHAN)

DRAWING TITLE

COLUMN LAYOUT PLAN

DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AF-01
DATE:	13-02-2025



ARCHITECTS

PANKAJ GUPTA & ASSOCIATES
 Flat no. 603 B, Golden Leaf Apartment, Tonk
 Road, Near Gandhi Nagar Station, Jaipur-15

GENERAL NOTES :-

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EXCAVATION CHECK :-

- (1). THE PROPER SOIL INVESTIGATION HAS BEEN CARRIED OUT FOR DETERMINING THE SAFE BEARING CAPACITY.
- (2). THE SOIL SHOULD NOT LIABLE TO LIQUEFACTION DUE TO EARTHQUAKES.
- (3). THE SOIL SHOULD NOT LIABLE TO LANDSLIDE HAZARD.

CONSTRUCTION PRACTICE :-

- P1. IT IS MANDATORY TO REMOVE ALL LOOSE SOIL TILL THE FIRM SOIL IS REACHED.
- P2. BACK FILLING AROUND THE FOUNDATIONS SHALL BE CARRIED OUT USING SOIL, SAND WITHOUT GRAVEL AND PEBBLES.
- P3. IT IS ADVISABLE TO ALLOW STANDING WATER IN THE EXCAVATION TRENCHES FOR 24 HOURS. WHEN THE SURFACE IS SEMIDRY, HAND RAMMING SHALL BE CARRIED OUT WITH AT LEAST 6 TO 8 PASSES.
- P4. BACK FILLING OF BASEMENT WALLS SHALL BE DONE ONLY AFTER THE ROOF SLAB HAS BEEN DEPROPPED.
- P5. IN NORMAL CIRCUMSTANCES AND WHERE ORDINARY PORTLAND CEMENT IS USED, FORMS MAY GENERALLY BE REMOVED AFTER THE EXPIRY OF THE FOLLOWING PERIODS

* WALLS, COLUMNS AND VERTICAL	
* FACES OF ALL MEMBERS	36 TO 48 HOURS
* SLABS (PROPS LEFT UNDER)	3 DAYS
* BEAM SOFFITS (PROPS LEFT UNDER)	7 DAYS
* REMOVAL OF PROPS UNDER SLABS	
-SPANNING UP TO 4500	7 DAYS
-SPANNING OVER 4500	14 DAYS
* REMOVAL OF PROPS UNDER BEAMS	
-SPANNING UP TO 6000	14 DAYS
-SPANNING OVER 6000	21 DAYS

CONCRETE :-

- C1. USE CONCRETE GRADE M-25 FOR COLUMNS & M-25 FOR OTHERS
- C2. ALL RCC. WORK SHALL BE CARRIED OUT AS PER IS-456:2000.
- C3. DEVELOPMENT LENGTH FOR $F_y = 500 \text{ N/mm}^2$.

CONC. GRADE	Ldt	Ldc
M-20	470	380
M-25	400	320
M-30	380	300
M-35	330	270
M-40	300	240

REINFORCING STEEL :-

- R1. ALL REINFORCING STEEL WILL BE OF TESTED QUALITY CONFORMING TO IS:1786:2008.
- R2. REFER TO HIGH YIELD STRENGTH DEFORMED BARS WITH CHARACTERISTIC STRENGTH OF 500D N/mm².
- R3. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE

* FOUNDATION	50 mm. ALL AROUND
* COLUMNS	40 mm. ALL AROUND
* BEAMS	30 mm. ALL AROUND
* SLABS	20 mm. TOP & BOTTOM
* WALLS	25 mm. EARTH FACE
* WALLS	20 mm. INNER FACE

DESIGN DATA :-

- (1). GRADE OF CONCRETE SHALL BE-
 - * FOUNDATION -M-25
 - * COLUMNS - AS/SCHEDULES
 - * ROOF - M-25
- (2). GRADE OF STEEL SHALL BE- FE 500D

REVISIONS

NO.	DATE	ISSUED TO	CKD.
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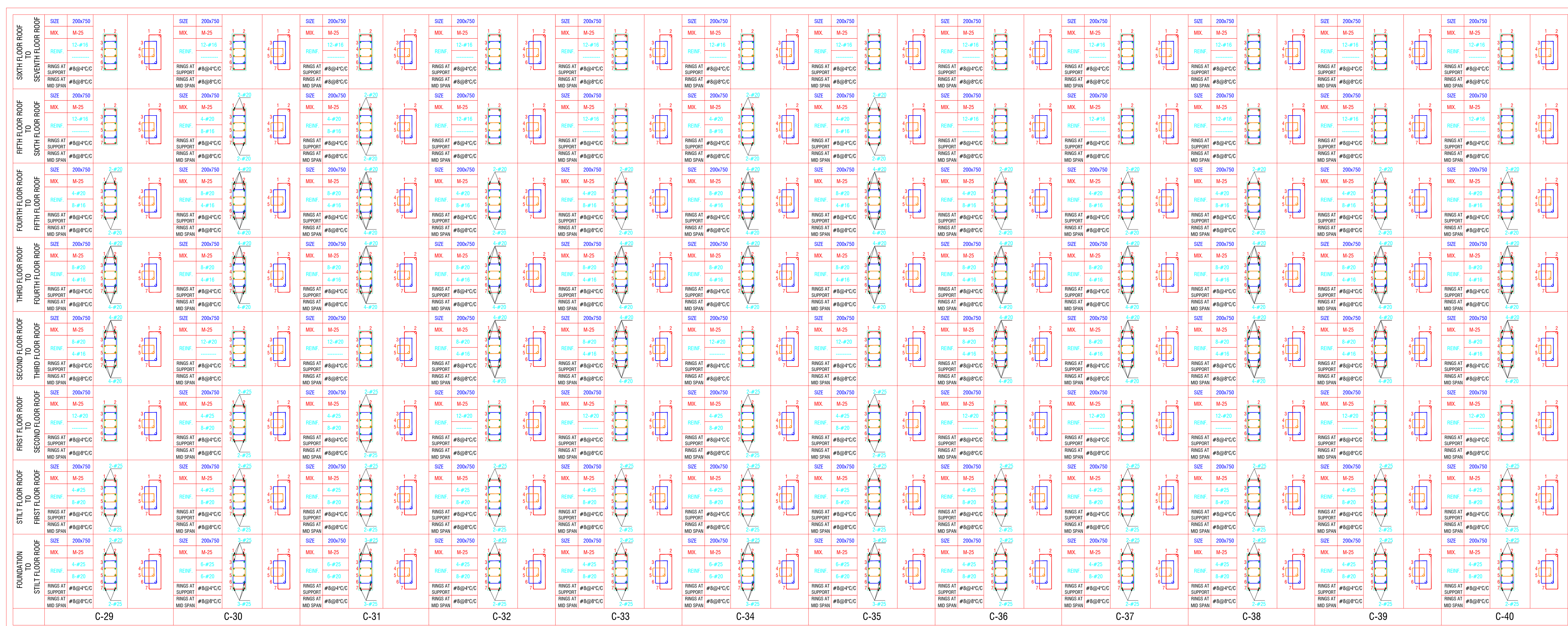
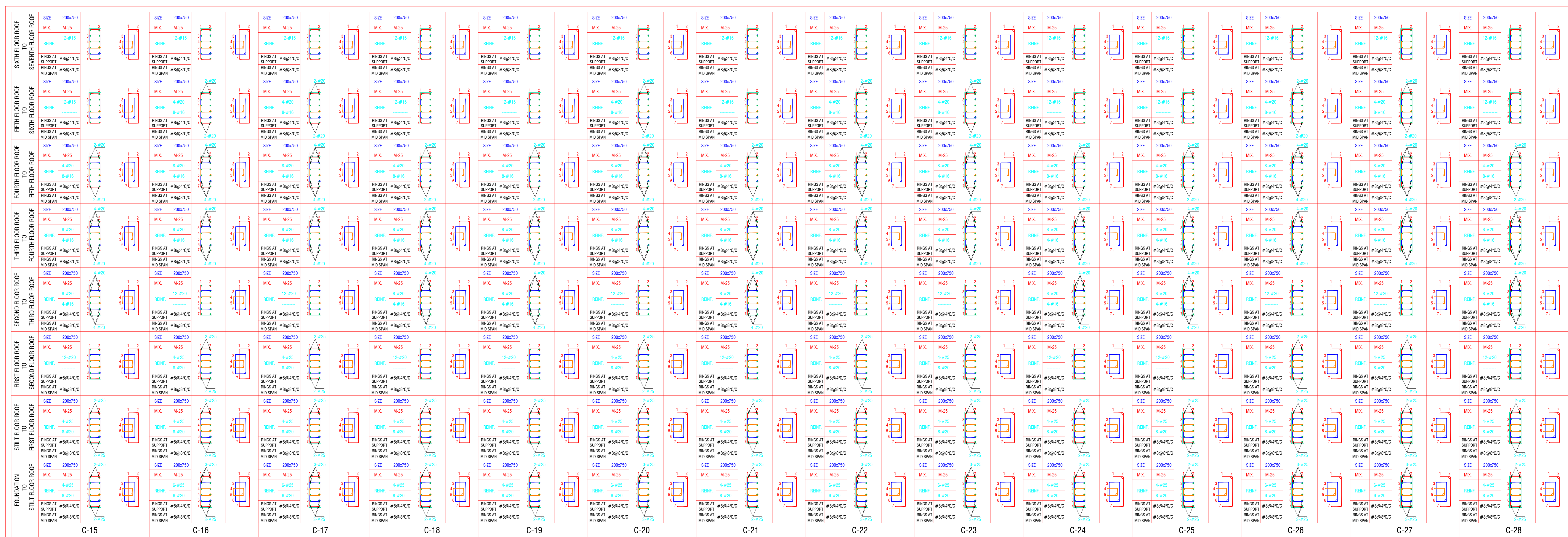
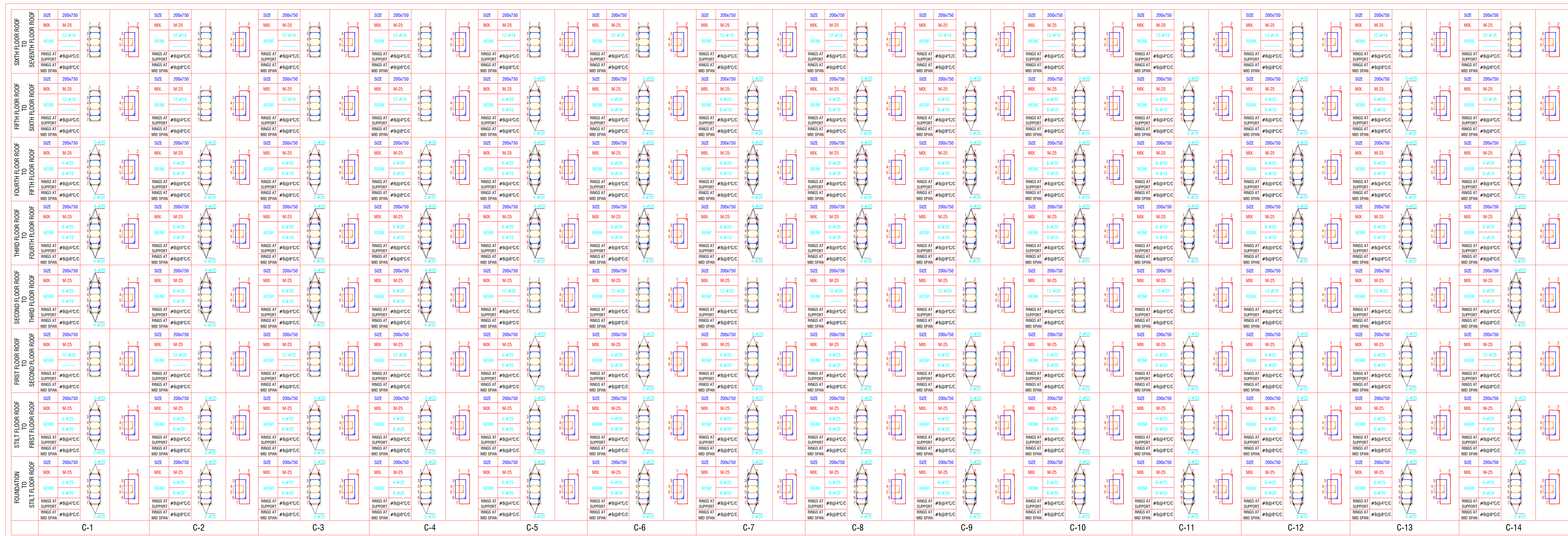
PROJECT

PLOT NO. 259, BLOCK-C, SEZ
 (SETTLEMENT) SCHEME, VILLAGE
 BHAMBORIYA, TEHSIL SANGANER, JAIPUR
 (RAJASTHAN)

DRAWING TITLE

COLUMN STEEL DESIGN

DRAWN BY:	ER. LALIT SAINI
DESIGN BY:	ER. KHAMCHAND SAINI
CHECKED BY:	ER. KAMAL SHARMA
Drawing No.	AF-05
DATE:	13-02-2025



Kamal Kumar Sharma
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 B.Tech (Civil) M.Tech. (Structure)
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