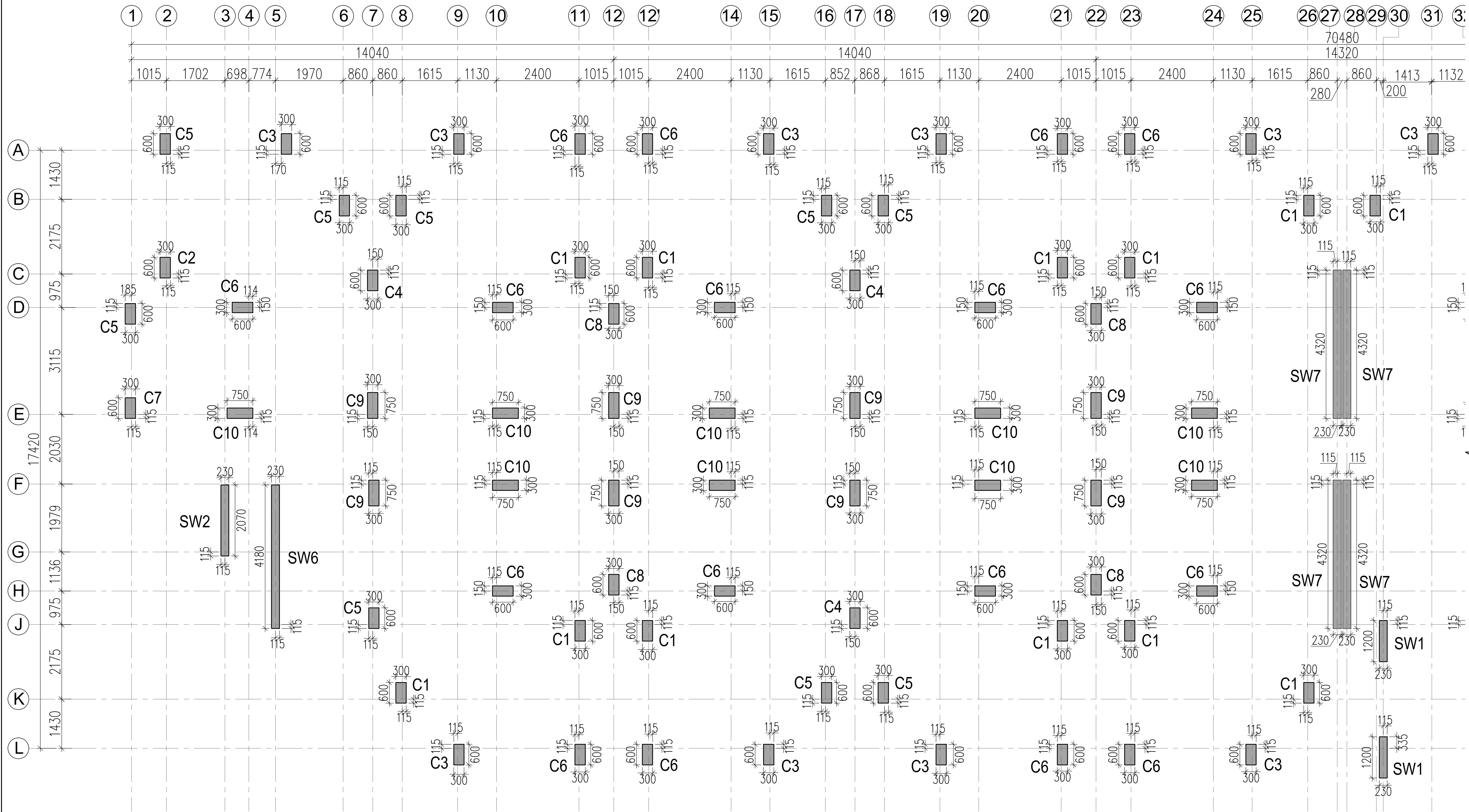




COLUMN/SHEAR WALL LAYOUT PLAN (BLOCK-F)

Rakesh
Rakesh Kumar ~ 17.2.2025
B.E. (Civil), M.S. (Structures)
Chartered Engineer
FIE-1293156, FIV-17032
Reliable Consulting Engineers
87, Sector-30, Gurugram (HR.)

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 5. THE REINFORCEMENT SHALL BE HYSD. FE-550(SD) BARS HAVING YIELD STRENGTH NOT LESS THAN 550 N/mm² & CONFORMING TO I.S. 1786 - 2008.
 6. GRADE OF CONCRETE SHALL BE AS FOLLOWS:-
(a) FOUNDATION : M-30
(b) COLUMN/S.W. : M-30
(c) BEAM : M-30
(d) SLAB : M-30
(e) R.C.C WALL : M-30
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(a) FOUNDATION : 75 MM (BOTTOM) & 50 MM (TOP)
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P.C.C WORK
BRICK WORK
 10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND CURED THOROUGHLY AS PER IS 456-LATEST.
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RO	07-02-2025	FOR SUBMISSION	
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290, NAYA-BASS, ALWAR RAJASTHAN			
Alwar Office: C/O PHOOL BAGH SERVICE STATION			
NEAR CIRCUIT HOUSE, ALWAR Tel. 0144-3241400			
PROJECT:			
REVISED BUILDING PLAN AT KHASRA NO :-205,206,207, 208,209,210/679,216,217,218,215/693,215/699 AT VILLAGE TAPUKARA, TEH.-TIJARA, TIJARA ROAD, DISTT.-ALWAR (RAJ.)			
DRAWING TITLE:		DWG NO.	
COLUMN/SHEAR WALL LAYOUT PLAN (BLOCK-F)		ST-01	
DRAWN BY: -	M.S	SCALE: -	N.T.S
DESIGN BY: -	S.A	DATE: -	07-02-2025
CHECK BY: -	R.K	PROJECT NO: -	4743

ARCHITECTS:

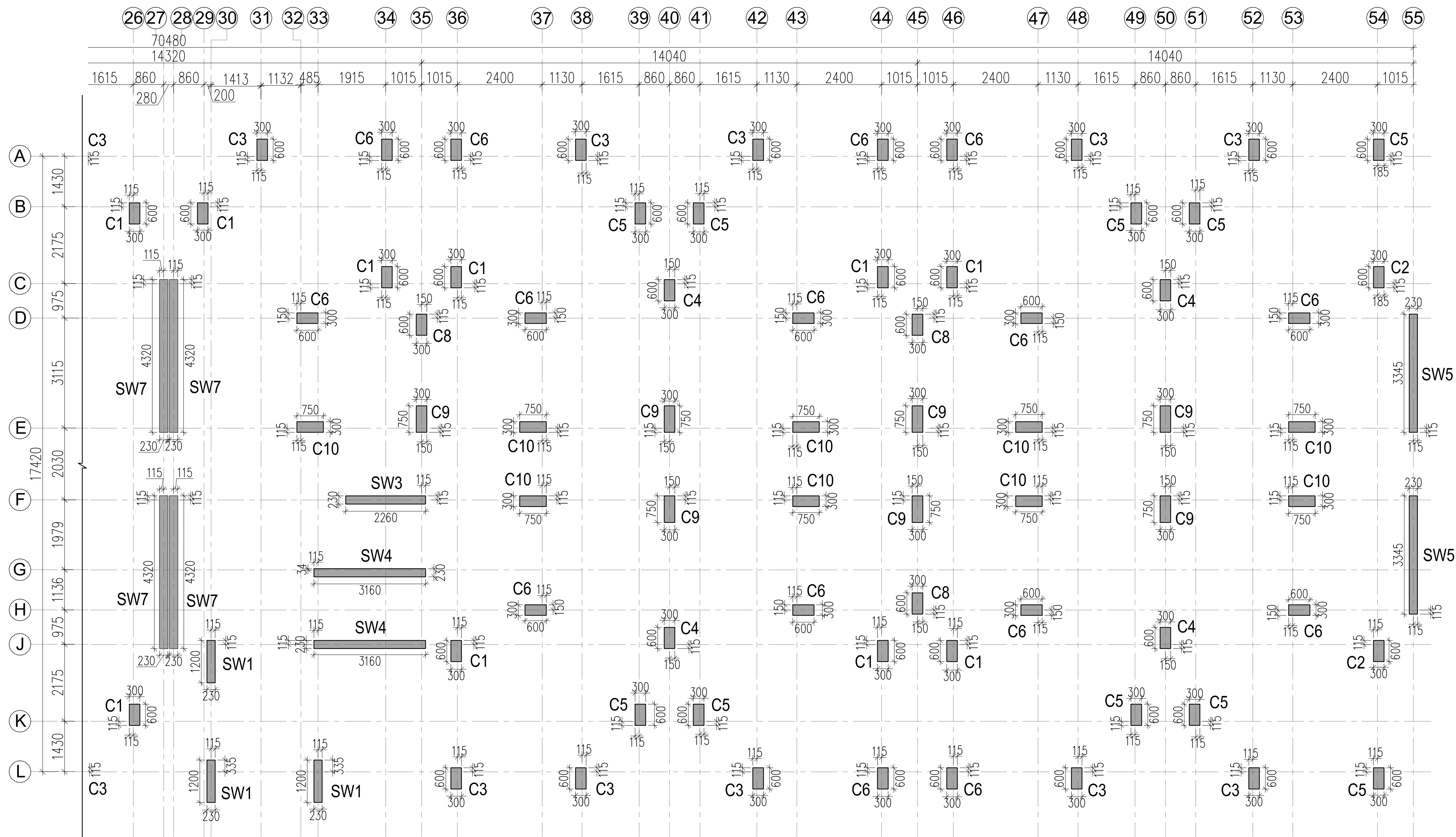
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Web.-www.csbhiwadi.com, Email id-info@csbhiwadi.com
MOB:- 09460478315, PH:- 01493-491200

STRUCTURAL CONSULTANT:

RELIABLE CONSULTING ENGINEERS
87, SECTOR -30, GURGAON-122001, HARYANA
Email-rcs8730@gmail.com

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DRAWING TITLE:		DWG NO.	
COLUMN/SHEAR WALL LAYOUT PLAN (BLOCK-F)		ST-02	
DRAWN BY: -	M.S	SCALE: -	N.T.S
DESIGN BY: -	S.A	DATE: -	07-02-2025
CHECK BY: -	R.K	PROJECT NO: -	4743

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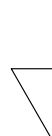
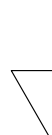
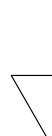
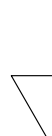
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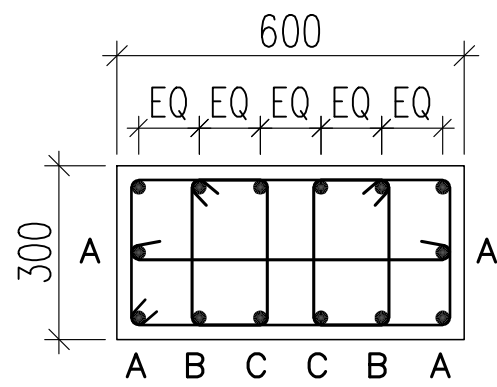
MARK LEVEL		COLUMN SCHEDULE								
TERMINATION TO 9TH FLOOR LVL. 	COL. SIZE	TIES	300x600	G1	300x600	G1	300x750	G1	300x750	G1
	VERTICAL REINF.		A= 6-16ϕ B= 4-12ϕ C= 4-12ϕ		A= 6-20ϕ B= 4-16ϕ C= 4-16ϕ		A= 6-16ϕ B= 4-16ϕ C= 4-12ϕ D= 4-12ϕ		A= 6-16ϕ B= 4-16ϕ C= 4-12ϕ D= 4-12ϕ	
	CONCRETE GRADE REFER SECTION		M-30 1		M-30 1		M-30 2		M-30 2	
9TH FLOOR LVL. TO 7TH FLOOR LVL. 	COL. SIZE	TIES	300x600	G1	300x600	G1	300x750	G1	300x750	G1
	VERTICAL REINF.		A= 6-16ϕ B= 4-16ϕ C= 4-12ϕ		A= 6-20ϕ B= 4-20ϕ C= 4-16ϕ		A= 6-16ϕ B= 4-16ϕ C= 4-12ϕ D= 4-12ϕ		A= 6-16ϕ B= 4-16ϕ C= 4-12ϕ D= 4-12ϕ	
	CONCRETE GRADE REFER SECTION		M-30 1		M-30 1		M-30 2		M-30 2	
7TH FLOOR LVL. TO 5TH FLOOR LVL. 	COL. SIZE	TIES	300x600	G1	300x600	G1	300x750	G1	300x750	G1
	VERTICAL REINF.		A= 6-16ϕ B= 4-16ϕ C= 4-16ϕ		A= 6-20ϕ B= 4-20ϕ C= 4-20ϕ		A= 6-16ϕ B= 4-16ϕ C= 4-16ϕ D= 4-16ϕ		A= 6-16ϕ B= 4-16ϕ C= 4-16ϕ D= 4-16ϕ	
	CONCRETE GRADE REFER SECTION		M-30 1		M-30 1		M-30 2		M-30 2	
5TH FLOOR LVL. TO 3RD FLOOR LVL. 	COL. SIZE	TIES	300x600	G1	300x600	G1	300x750	G1	300x750	G1
	VERTICAL REINF.		A= 6-20ϕ B= 4-16ϕ C= 4-16ϕ		A= 6-25ϕ B= 4-20ϕ C= 4-20ϕ		A= 6-20ϕ B= 4-16ϕ C= 4-16ϕ D= 4-16ϕ		A= 6-20ϕ B= 4-16ϕ C= 4-16ϕ D= 4-16ϕ	
	CONCRETE GRADE REFER SECTION		M-30 1		M-30 1		M-30 2		M-30 2	
3RD FLOOR LVL. TO 1ST FLOOR LVL. 	COL. SIZE	TIES	300x600	G1	300x600	G1	300x750	G1	300x750	G1
	VERTICAL REINF.		A= 6-20ϕ B= 4-16ϕ C= 4-16ϕ		A= 6-25ϕ B= 4-20ϕ C= 4-20ϕ		A= 6-20ϕ B= 4-20ϕ C= 4-16ϕ D= 4-16ϕ		A= 6-20ϕ B= 4-20ϕ C= 4-20ϕ D= 4-16ϕ	
	CONCRETE GRADE REFER SECTION		M-30 1		M-30 1		M-30 2		M-30 2	
1ST FLOOR LVL. TO FOUNDATION LVL. 	COL. SIZE	TIES	300x600	G1	300x600	G1	300x750	G1	300x750	G1
	VERTICAL REINF.		A= 6-20ϕ B= 4-16ϕ C= 4-16ϕ		A= 6-25ϕ B= 4-20ϕ C= 4-20ϕ		A= 6-20ϕ B= 4-20ϕ C= 4-20ϕ D= 4-16ϕ		A= 6-25ϕ B= 4-20ϕ C= 4-20ϕ D= 4-20ϕ	
	CONCRETE GRADE REFER SECTION		M-30 1		M-30 1		M-30 2		M-30 2	
REMARK	DESCRIPTION		C7		C8		C9		C10	

LAP LENGTH FOR
Fe-550 & M-30
IN TENSION ZONE

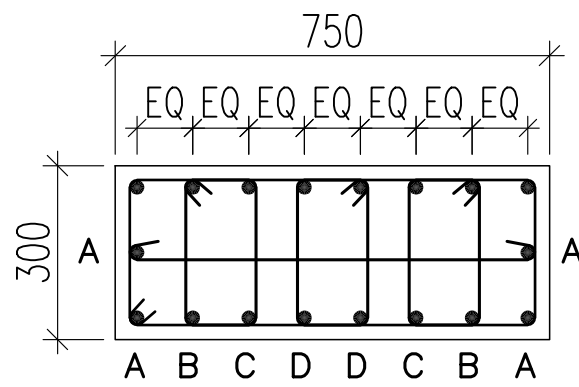
DIA OF BAR	LENGTH IN mm
25	1250
20	1000
16	800
12	600
10	500
8	400

LAP LENGTH FOR
Fe-550 & M-30 IN
COMPRESSION ZONE

DIA OF BAR	LENGTH IN mm
25	1000
20	800
16	640
12	480
10	400
8	320

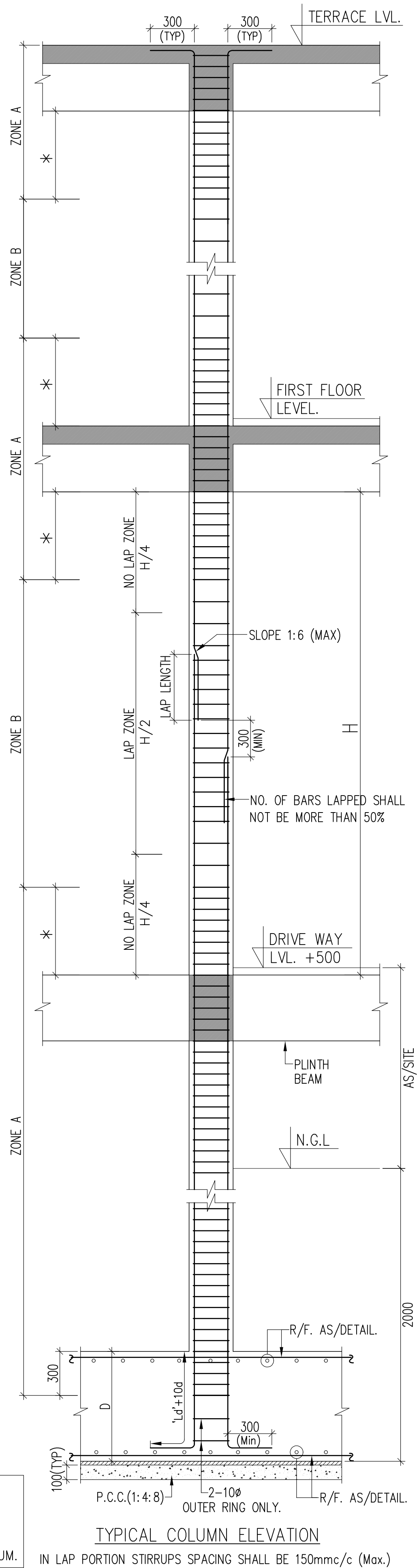


(SEC:-1)



(SEC:-2)

* = H/6
OR LARGEST DIM.
OF COLUMN,
OR 450 MM,
WHICHEVER IS MAXIMUM.

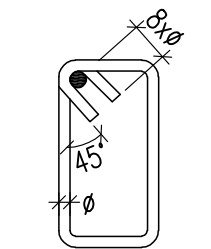


TYPICAL COLUMN ELEVATION

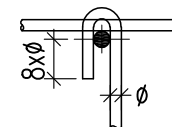
IN LAP PORTION STIRRUPS SPACING SHALL BE 150mm/c (Max.)

TIES GROUP SCHEDULE

G1	ZONE (A)	X	10 ϕ @100c/c
		Y	8 ϕ @100c/c
	ZONE (B)	X	10 ϕ @200c/c
		Y	8 ϕ @200c/c



TYPICAL CLOSED
HOOK DETAIL



TYPICAL OPEN
HOOK DETAIL

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DRAWING TITLE: COLUMN SCHEDULE & DETAILS (BLOCK-F)			DWG NO. ST-04
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DESIGN BY:-	S.A	DATE:-	07-02-2025
CHECK BY:-	R.K	PROJECT NO:-	4743

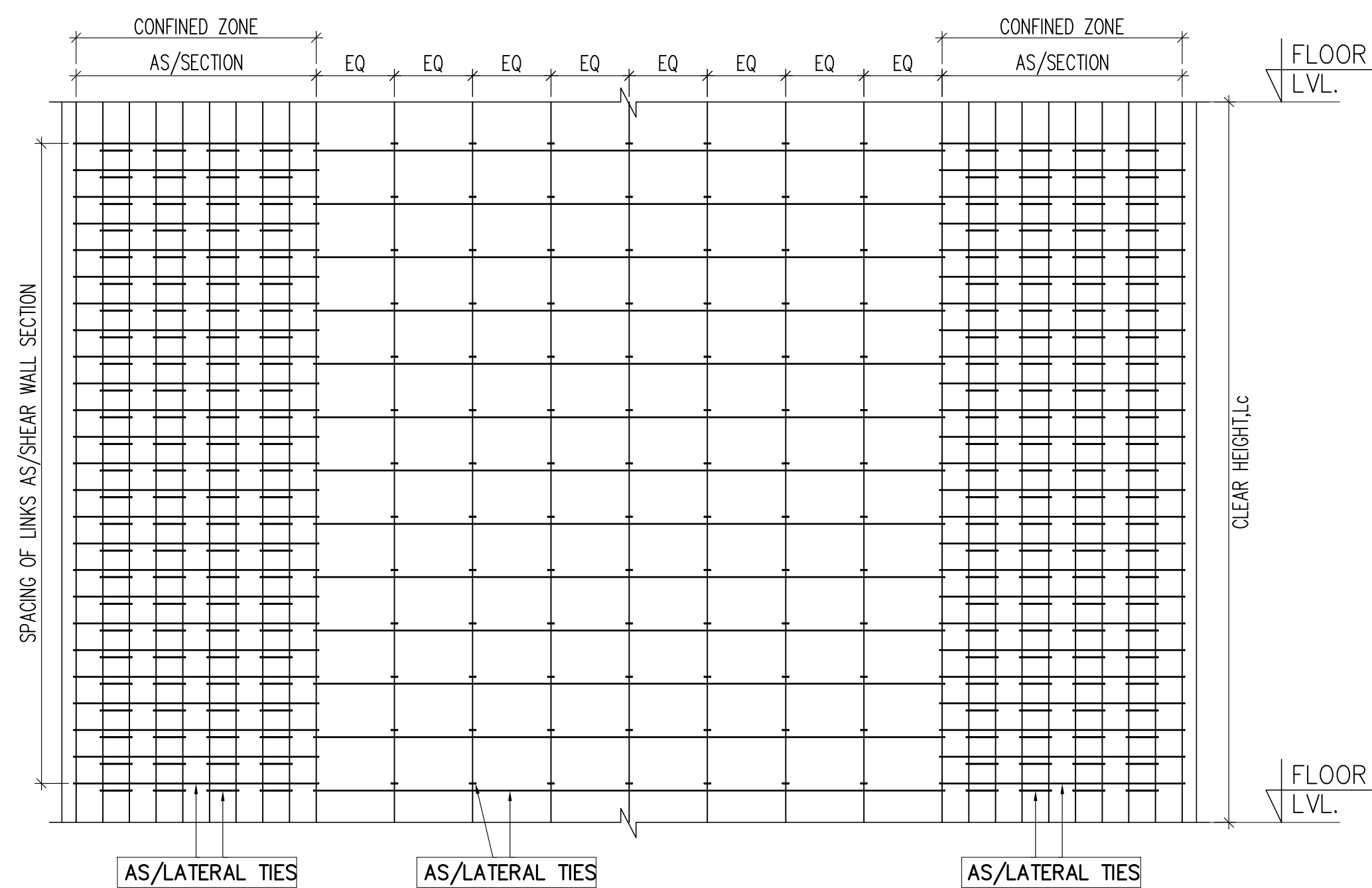
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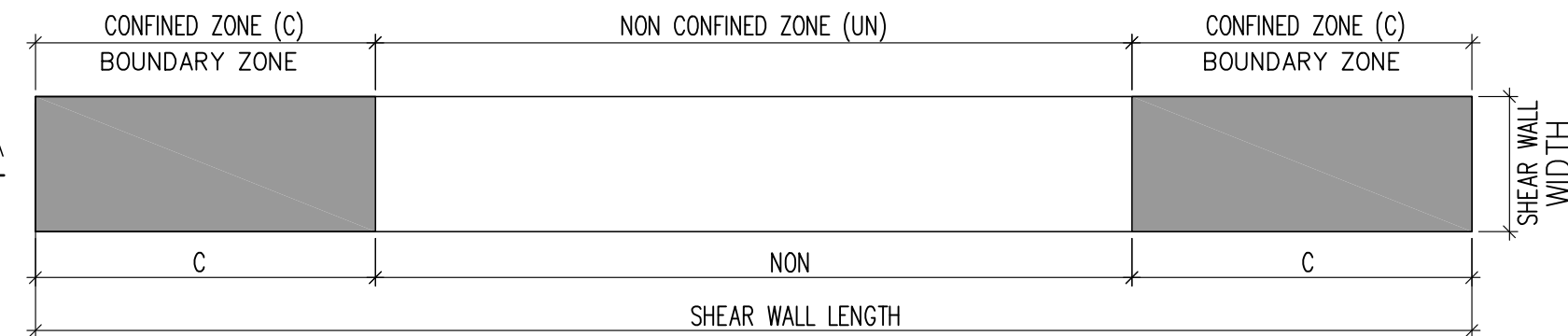
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MARK LEVEL	SHEAR WALL SCHEDULE							
TERMINATION TO 9TH FLOOR LVL.	S.W. SIZE TIES	230x1200 G3	230x2070 G3	230x2260 G3	230x3160 G3	230x3345 G3	230x4180 G3	230x4320 G3
VERTICAL REINF.		A= 8-12Ø B= 4-12Ø C= 4-10Ø	A= 8-16Ø B= 8-12Ø C= 8-12Ø D= 8-10Ø	A= 8-12Ø B= 8-12Ø C= 4-12Ø D= 8-10Ø	A= 8-12Ø B= 8-12Ø C= 4-12Ø D= 8-12Ø E=10-10Ø	A=20-12Ø B=12-12Ø C=12-12Ø D= 2-10Ø	A=20-12Ø B=12-12Ø C=12-12Ø D= 8-12Ø E= 2-12Ø	A=12-16Ø B=12-12Ø C= 8-12Ø D= 8-12Ø E=12-12Ø
CONCRETE GRADE REFER SECTION		M-30 3	M-30 4A	M-30 5A	M-30 6A	M-30 7B	M-30 8B	M-30 9A
9TH FLOOR LVL. TO 7TH FLOOR LVL.	S.W. SIZE TIES	230x1200 G3	230x2070 G3	230x2260 G3	230x3160 G3	230x3345 G3	230x4180 G3	230x4320 G3
VERTICAL REINF.		A= 8-12Ø B= 4-12Ø C= 4-10Ø	A= 8-16Ø B= 8-16Ø C= 8-12Ø D= 8-10Ø	A= 8-12Ø B= 8-12Ø C= 4-12Ø D= 8-10Ø	A= 8-16Ø B= 8-12Ø C= 4-12Ø D= 8-12Ø E=10-10Ø	A=20-16Ø B=12-12Ø C=12-12Ø D= 2-10Ø	A=20-16Ø B=12-12Ø C=12-12Ø D= 8-12Ø E= 2-12Ø	A=12-16Ø B=12-16Ø C= 8-12Ø D= 8-12Ø E=12-12Ø
CONCRETE GRADE REFER SECTION		M-30 3	M-30 4A	M-30 5A	M-30 6A	M-30 7B	M-30 8B	M-30 9A
7TH FLOOR LVL. TO 5TH FLOOR LVL.	S.W. SIZE TIES	230x1200 G3	230x2070 G3	230x2260 G3	230x3160 G3	230x3345 G3	230x4180 G3	230x4320 G3
VERTICAL REINF.		A= 8-12Ø B= 4-12Ø C= 4-10Ø	A= 8-16Ø B= 8-16Ø C= 8-16Ø D= 8-10Ø	A= 8-16Ø B= 8-12Ø C= 4-12Ø D= 8-10Ø	A= 8-16Ø B= 8-16Ø C= 4-12Ø D= 8-12Ø E=10-10Ø	A=20-16Ø B=12-16Ø C=12-12Ø D= 2-10Ø	A=20-16Ø B=12-16Ø C=12-12Ø D= 8-12Ø E= 2-12Ø	A=12-20Ø B=12-16Ø C= 8-16Ø D= 8-12Ø E=12-12Ø
CONCRETE GRADE REFER SECTION		M-30 3	M-30 4A	M-30 5A	M-30 6A	M-30 7B	M-30 8B	M-30 9A
5TH FLOOR LVL. TO 3RD FLOOR LVL.	S.W. SIZE TIES	230x1200 G3	230x2070 G3	230x2260 G3	230x3160 G3	230x3345 G3	230x4180 G3	230x4320 G3
VERTICAL REINF.		A= 8-12Ø B= 4-12Ø C= 4-10Ø	A= 8-20Ø B= 8-16Ø C= 4-16Ø D= 8-10Ø	A= 8-16Ø B= 8-16Ø C= 4-12Ø D= 8-10Ø	A= 8-16Ø B= 8-16Ø C= 4-16Ø D= 8-16Ø E=10-10Ø	A=20-20Ø B=12-16Ø C=12-12Ø D= 2-10Ø	A=20-20Ø B=12-16Ø C=12-12Ø D= 8-12Ø E= 2-12Ø	A=12-20Ø B=12-20Ø C= 8-16Ø D= 8-12Ø E=12-12Ø
CONCRETE GRADE REFER SECTION		M-30 3	M-30 4A	M-30 5A	M-30 6A	M-30 7B	M-30 8B	M-30 9A
3RD FLOOR LVL. TO 1ST FLOOR LVL.	S.W. SIZE TIES	230x1200 G3	230x2070 G3	230x2260 G3	230x3160 G3	230x3345 G3	230x4180 G3	230x4320 G3
VERTICAL REINF.		A= 8-16Ø B= 4-12Ø C= 4-10Ø	A= 8-20Ø B= 8-20Ø C= 8-16Ø D= 8-10Ø	A= 8-16Ø B= 8-16Ø C= 8-16Ø D= 8-10Ø	A= 8-20Ø B= 8-20Ø C= 8-16Ø D=12-16Ø E=10-10Ø	A=20-20Ø B=20-20Ø C=12-12Ø D= 2-10Ø	A=20-20Ø B=20-20Ø C=12-16Ø D= 8-12Ø E= 2-12Ø	A=12-20Ø B=12-20Ø C=12-20Ø D=16-20Ø E=12-12Ø
CONCRETE GRADE REFER SECTION		M-30 3	M-30 4A	M-30 5	M-30 6	M-30 7A	M-30 8A	M-30 9
1ST FLOOR LVL. TO FOUNDATION LVL.	S.W. SIZE TIES	230x1200 G3	230x2070 G2	230x2260 G3	230x3160 G3	230x3345 G3	230x4180 G2	230x4320 G3
VERTICAL REINF.		A= 8-16Ø B= 4-16Ø C= 4-10Ø	A= 8-20Ø B= 8-20Ø C= 8-20Ø D=18-16Ø	A= 8-20Ø B= 8-16Ø C= 8-16Ø D= 8-10Ø	A= 8-20Ø B= 8-20Ø C= 8-20Ø D=12-20Ø E=10-12Ø	A=20-20Ø B=20-20Ø C=20-20Ø D= 2-10Ø	A=20-20Ø B=20-20Ø C=20-20Ø D=16-20Ø E= 6-20Ø	A=12-20Ø B=12-20Ø C=12-20Ø D=16-20Ø E=12-12Ø
CONCRETE GRADE REFER SECTION		M-30 3	M-30 4	M-30 5	M-30 6	M-30 7	M-30 8	M-30 9
REMARK	DESCRIPTION	SW1	SW2	SW3	SW4	SW5	SW6	SW7



TYP. SECTION A-A

* STIRRUPS SHOULD BE STAGGERLY PLACED

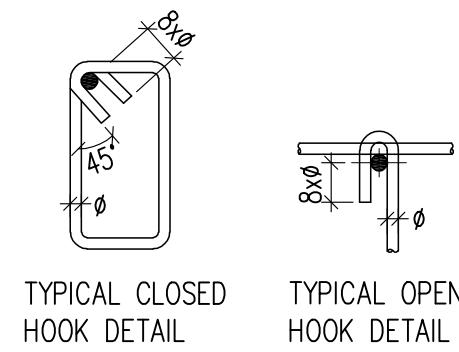


TYPICAL SECTION OF BOUNDARY ZONE IN SHEAR WALL

TIES GROUP SCHEDULE

G2	X	10Ø@100c/c
	Y	8Ø@100c/c
G3	X	8Ø@100c/c
	Y	8Ø@100c/c
	Z	8Ø@200c/c
	W	8Ø@200c/c

Rakesh Kumar
Rakesh Kumar
 B.E. (Civil), M.S. (Structures)
 Chartered Engineer
 FIE-1293156, FIV-17032
 Reliable Consulting Engineers
 87, Sector-30, Gurugram (HR.)

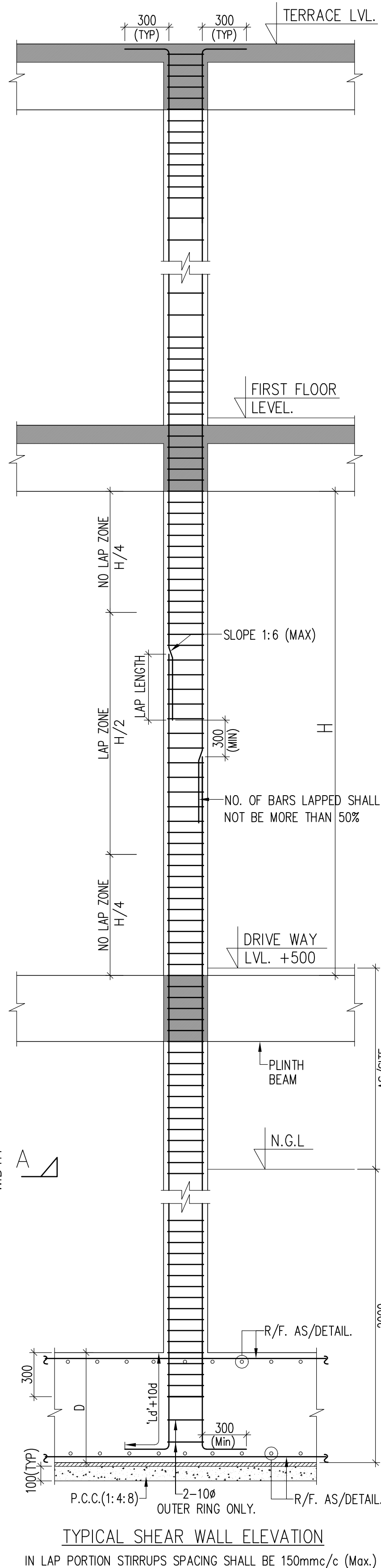


LAP LENGTH FOR
Fe-550 & M-30
IN TENSION ZONE

DIA OF BAR	LENGTH IN mm
25	1250
20	1000
16	800
12	600
10	500
8	400

LAP LENGTH FOR
Fe-550 & M-30 IN
COMPRESSION ZONE

DIA OF BAR	LENGTH IN mm
25	1000
20	800
16	640
12	480
10	400
8	320



TYPICAL SHEAR WALL ELEVATION

IN LAP PORTION STIRRUPS SPACING SHALL BE 150mm/c (Max.)

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3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRGS.
5. THE REINFORCEMENT SHALL BE HYSD. FE-550(SD) BARS HAVING YIELD STRENGTH NOT LESS THAN 550 N/mm² & CONFORMING TO I.S. 1786 - 2008.
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 - (b) COLUMN/S.W. : M-30
 - (c) BEAM : M-30
 - (d) SLAB : M-30
 - (e) R.C.C WALL : M-30
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:-
 - (a) FOUNDATION : 75 MM (BOTTOM) & 50 MM (TOP)
 - (b) COLUMN : 40 MM
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 NOMINAL COVER IS THE DEPTH OF CONCRETE COVER TO ALL STEEL REINFORCEMENT INCLUDING LINKS/ TIES/ STIRRUPS.
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9.
 - INDICATES BOTTOM BARS
 - INDICATES TOP BARS
 - OPENING IN STRUCTURAL ELEMENT
 - P.C.C WORK
 - BRICK WORK
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12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456. SPACER BARS SHALL PREVAIL.
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17. ALL ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
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19. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.C.C.1:4:8.

RO	07-02-2025	FOR SUBMISSION
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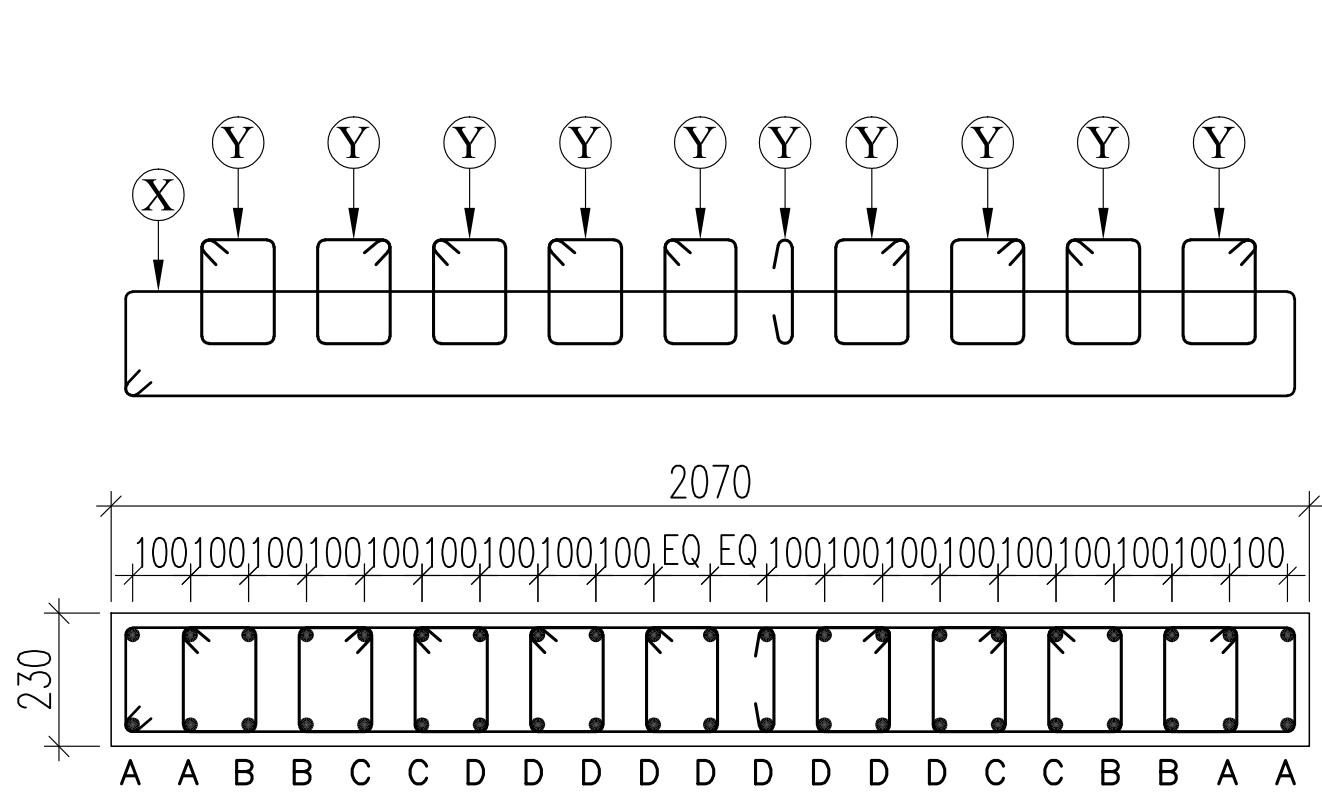
PROJECT:
 REVISED BUILDING PLAN AT KHASRA NO :-205,206,207,
 208,209,210/679,216,217,218,215/693,215/699 AT VILLAGE
 TAPUKARA, TEH.-TIJARA, TIJARA ROAD, DISTT.-ALWAR (RAJ.)

DRAWING TITLE: SHEAR WALL SCHEDULE & DETAILS (BLOCK-F)			DWG NO. ST-05
DRAWN BY:-	M.S	SCALE:-	N.T.S
DESIGN BY:-	S.A	DATE:-	07-02-2025
CHECK BY:-	R.K	PROJECT NO:-	4743

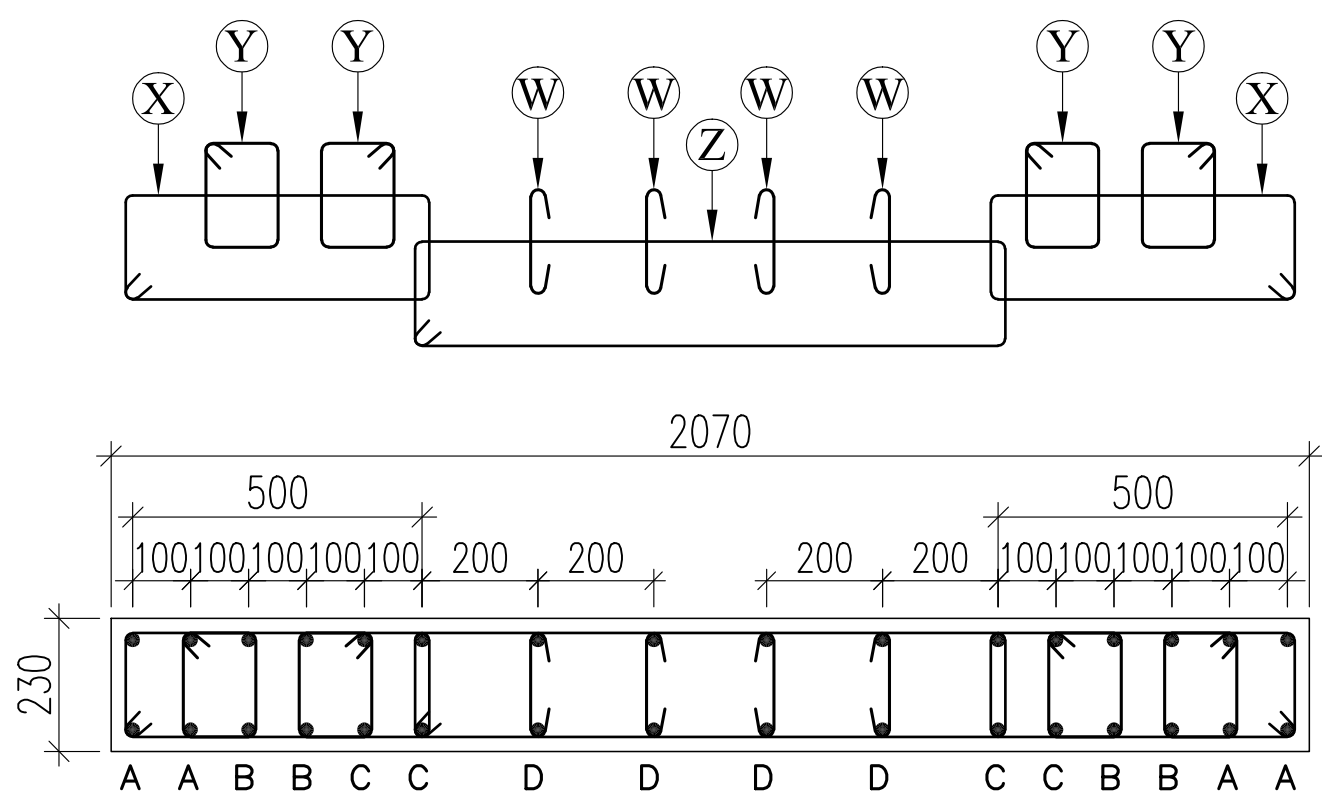
ARCHITECTS:
 CREATIVE STUDIO
 AR. MANSINGH MEENA
 317, THIRD FLOOR, KRISH SQUARE, OPP. MODERN PUBLIC
 SCHOOL, BHAGAT SINGH COLONY, BHIWADI, ALWAR (RAJ.)
 Web.-www.csbhiwadi.com, Email id-info@csbhiwadi.com
 MOB:- 09460478315, PH:- 01493-491200

STRUCTURAL CONSULTANT:
 RELIABLE CONSULTING ENGINEERS
 87, SECTOR -30, GURGAON-122001, HARYANA
 Email-rcs8730@gmail.com

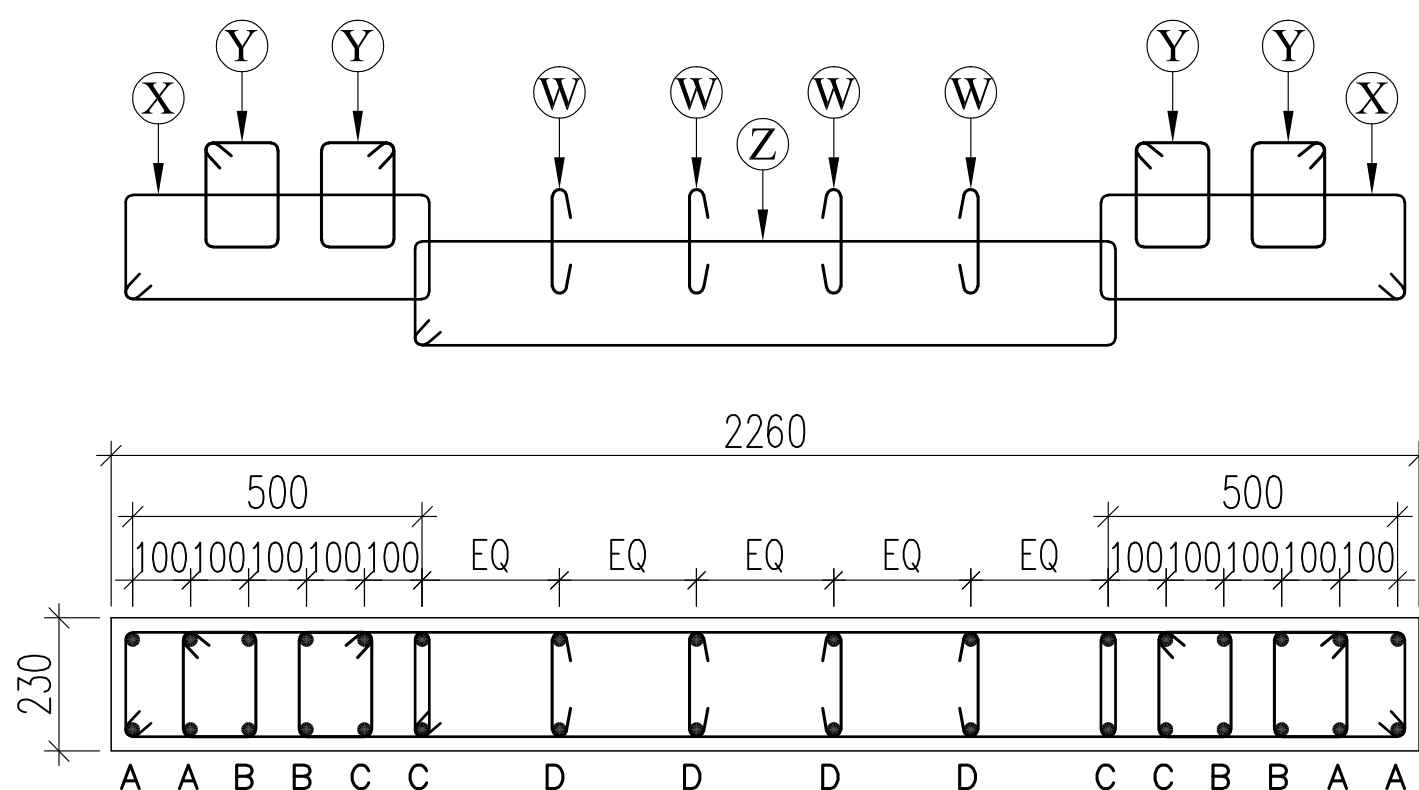
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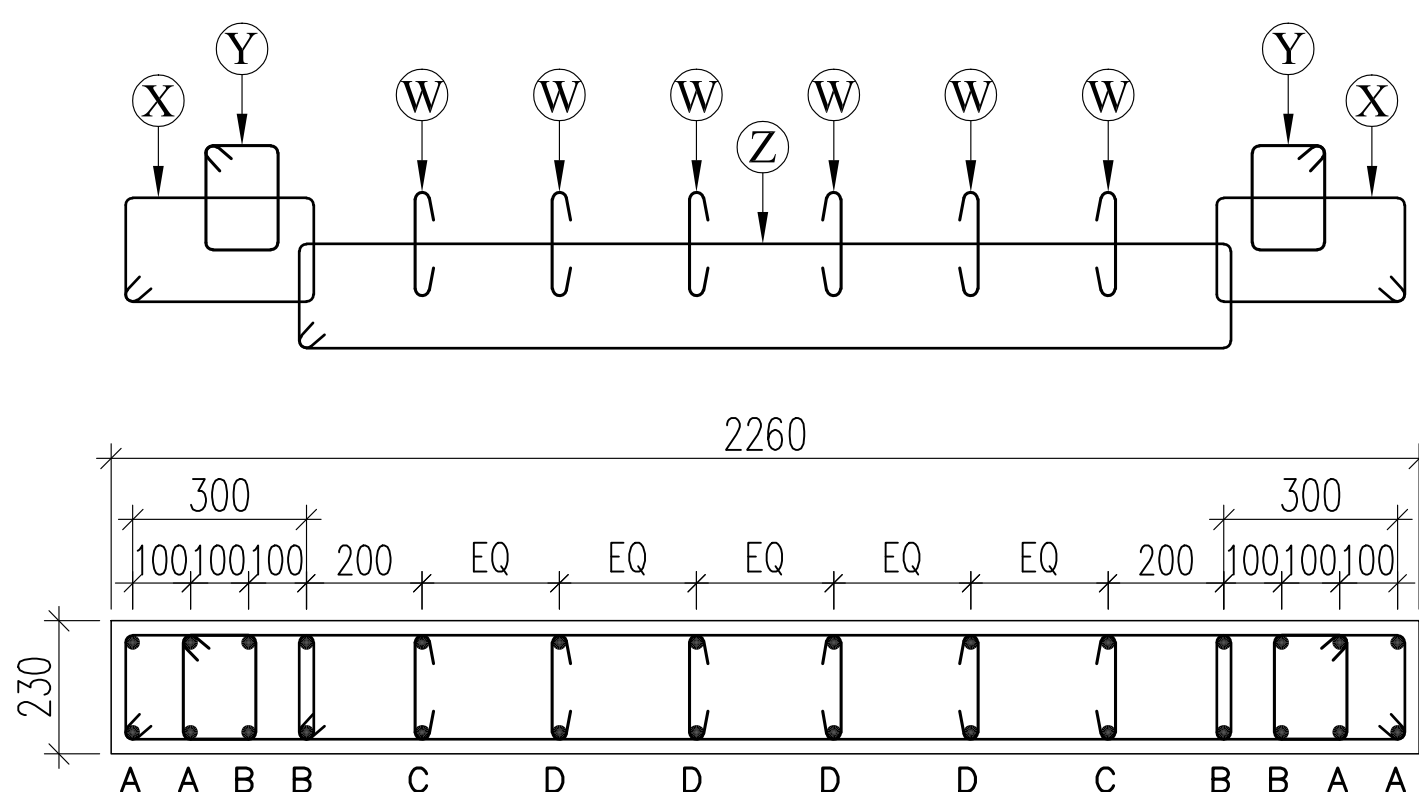
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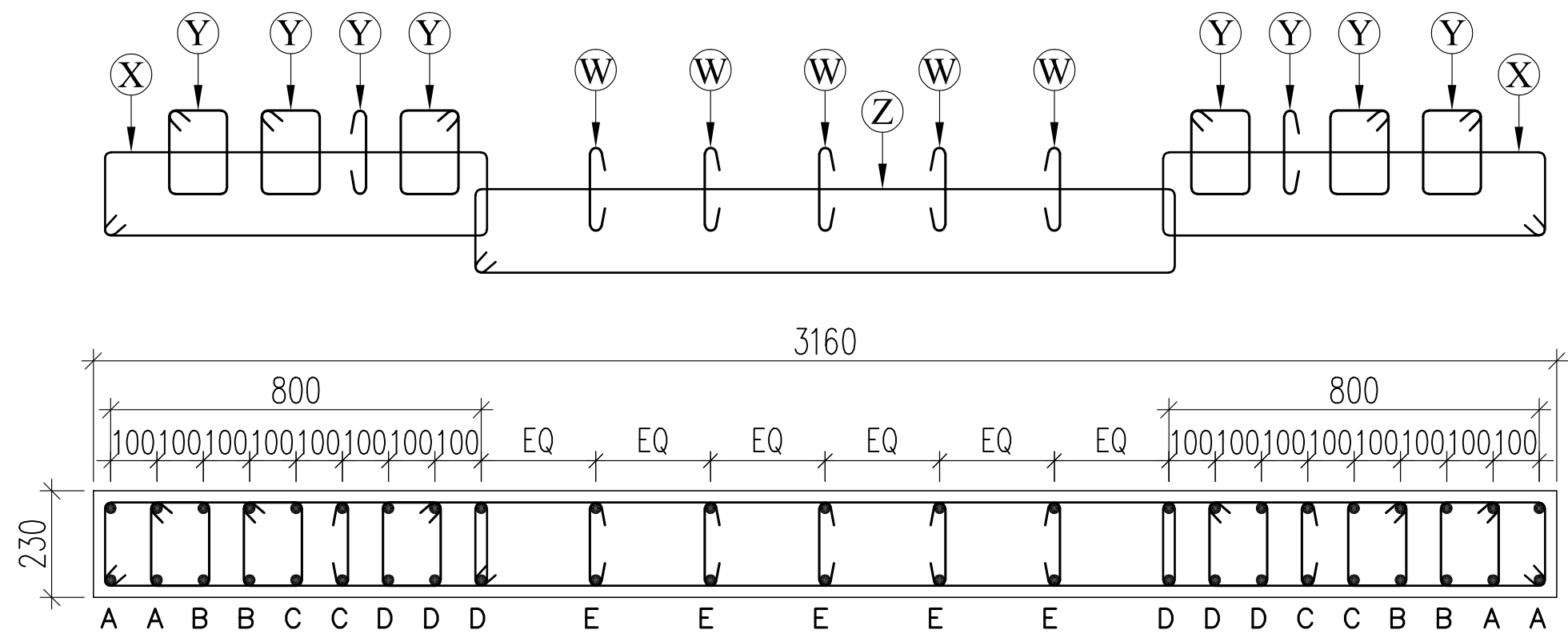
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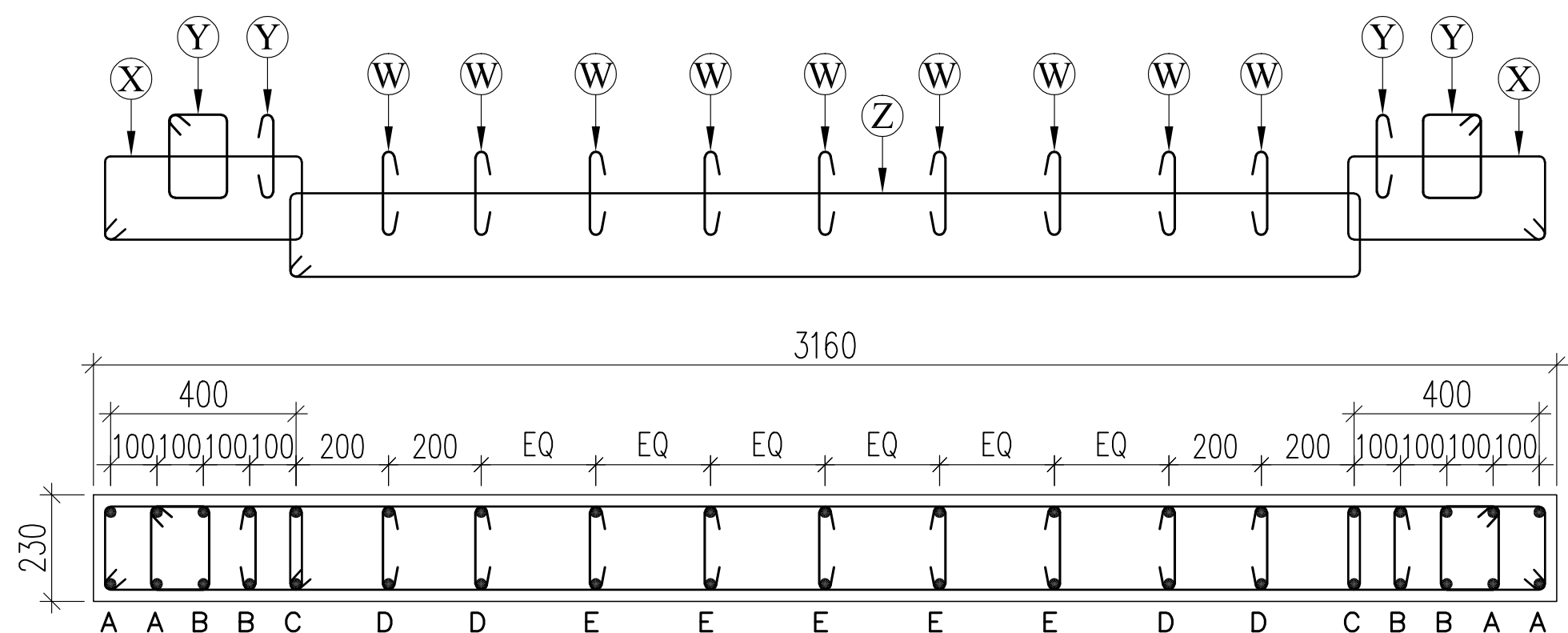
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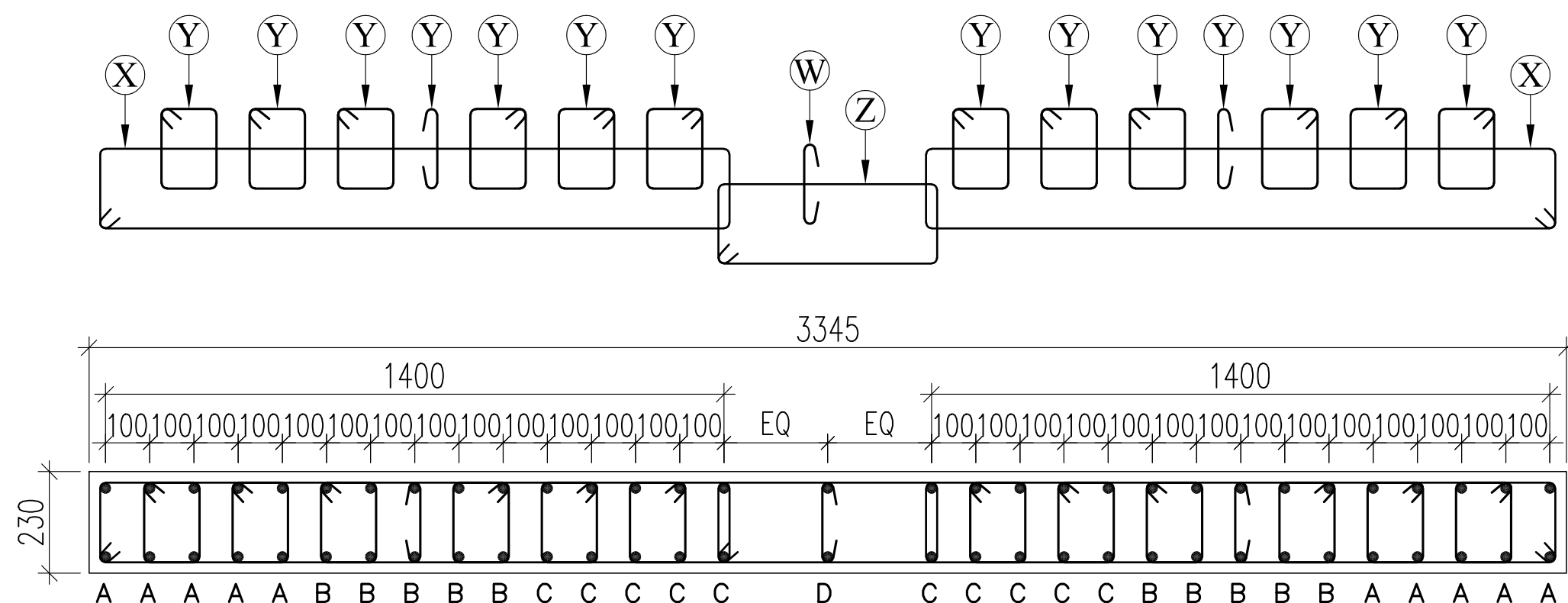
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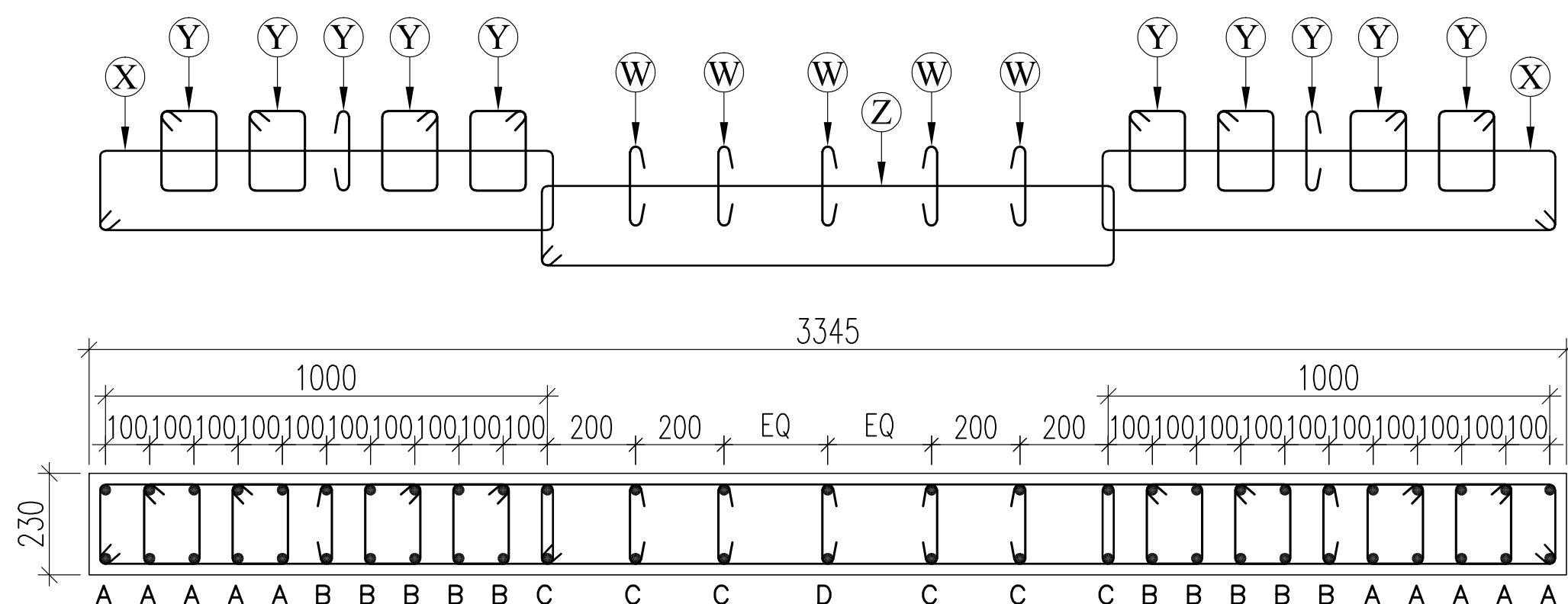
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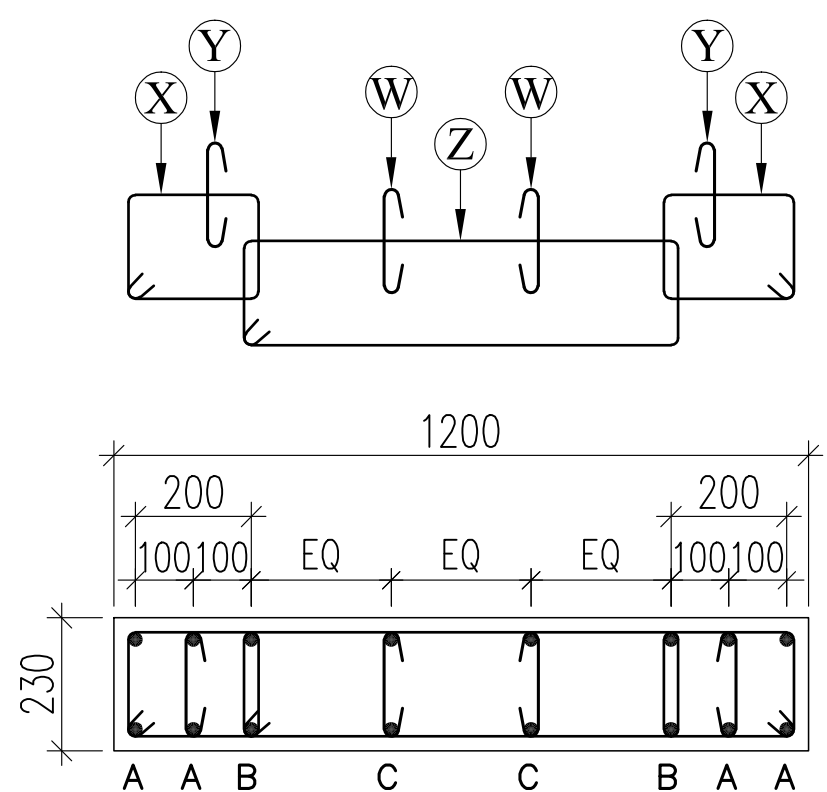
SW4 (SEC:-6A)



SW5 (SEC:-7)



SW5 (SEC:-7A)



SW1 (SEC:-3)

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REV.NO.	DATE	REVISION

OWNER/DEVELOPER:
APNA GHAR BUILDWELL PVT. LTD.
290, NAYA-BASS, ALWAR RAJASTHAN
Alwar Office: C/O PHOOL BAGH SERVICE STATION
NEAR CIRCUIT HOUSE, ALWAR Tel. 0144-3241400

PROJECT:
REVISED BUILDING PLAN AT KHASRA NO :-205,206,207,
208,209,210/679,216,217,218,215/693,215/699 AT VILLAGE
TAPUKARA, TEH.-TIJARA, TIJARA ROAD, DISTT.-ALWAR (RAJ.)

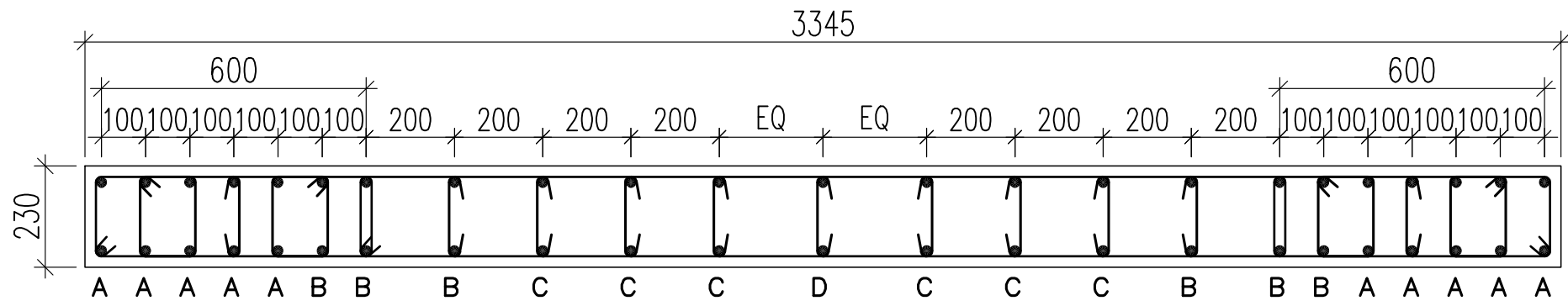
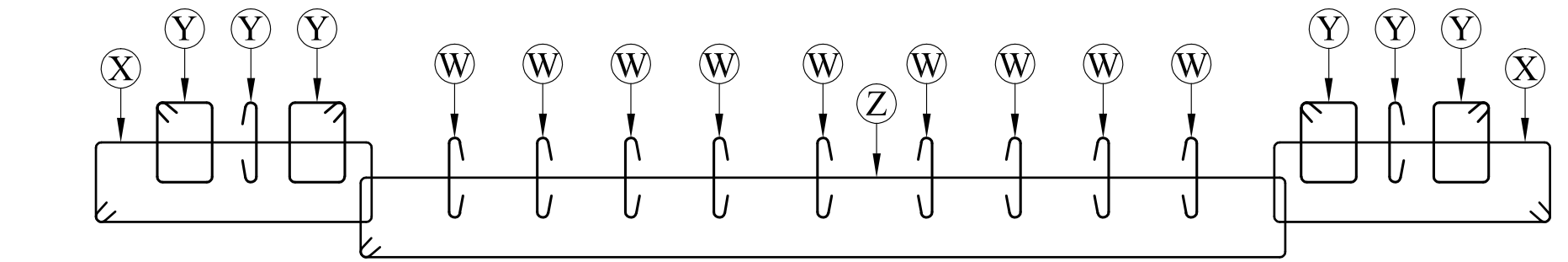
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DRAWN BY:-	M.S	SCALE:-	N.T.S
DESIGN BY:-	S.A	DATE:-	07-02-2025
CHECK BY:-	R.K	PROJECT NO:-	4743

ARCHITECTS:
CREATIVE STUDIO
AR. MANSINGH MEENA
317, THIRD FLOOR, KRISH SQUARE, OPP. MODERN PUBLIC
SCHOOL, BHAGAT SINGH COLONY, BHIWADI, ALWAR (RAJ.)
Web.-www.csbhiwadi.com, Email id-info@csbhiwadi.com
MOB:- 09460478315, PH:- 01493-491200

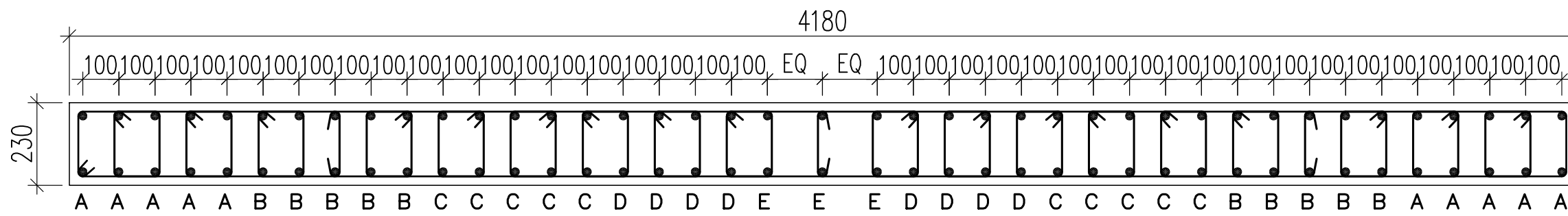
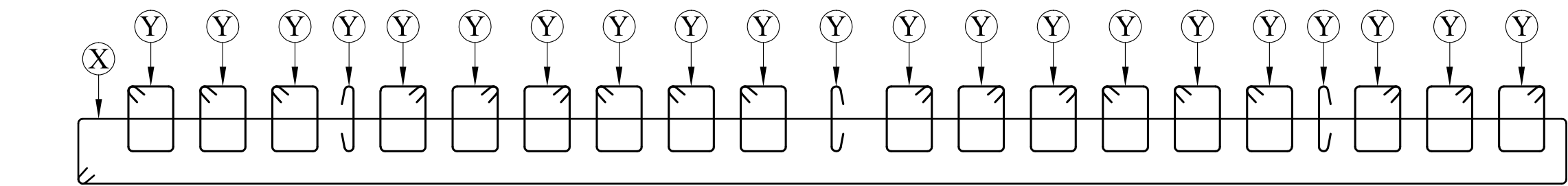
STRUCTURAL CONSULTANT:
RELIABLE CONSULTING ENGINEERS
87, SECTOR -30, GURGAON-122001, HARYANA
Email-rcs8730@gmail.com

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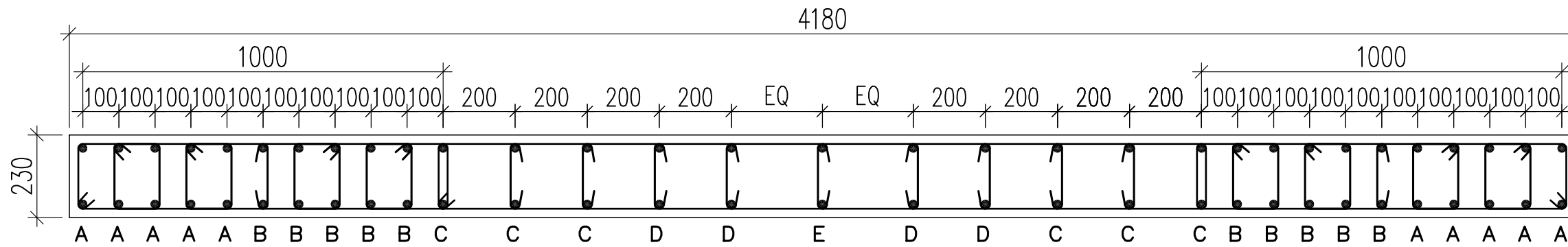
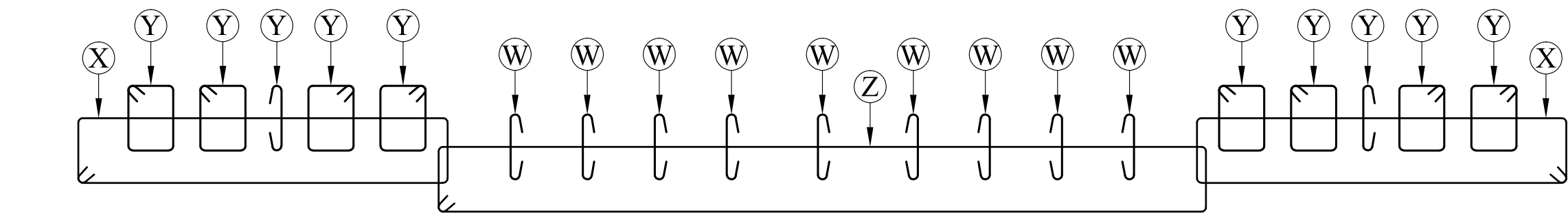
Rakesh
Rakesh Kumar ~ 17.2.2025
B.E. (Civil), M.S. (Structures)
Chartered Engineer
FIE-1293156, FIV-17032
Reliable Consulting Engineers
87, Sector-30, Gurugram (HR.)



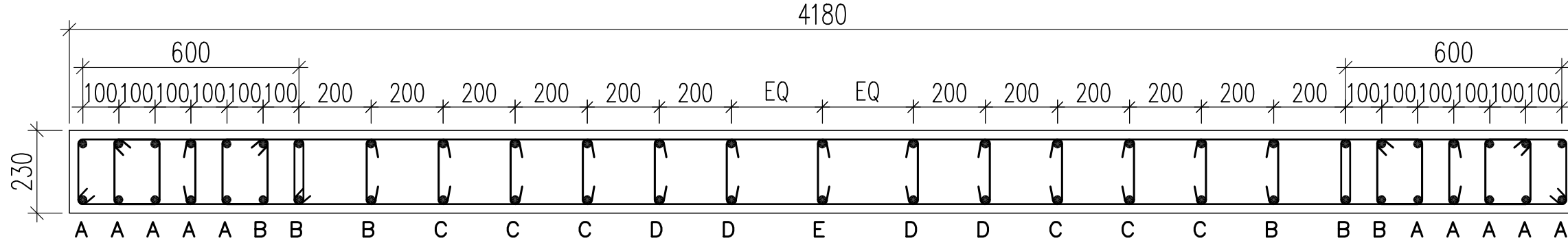
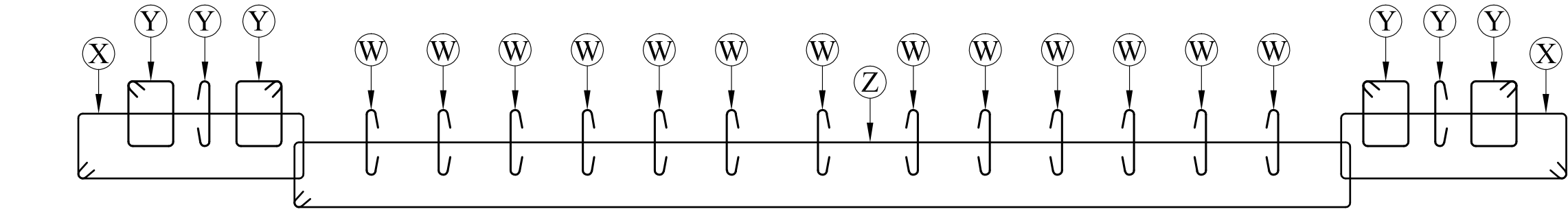
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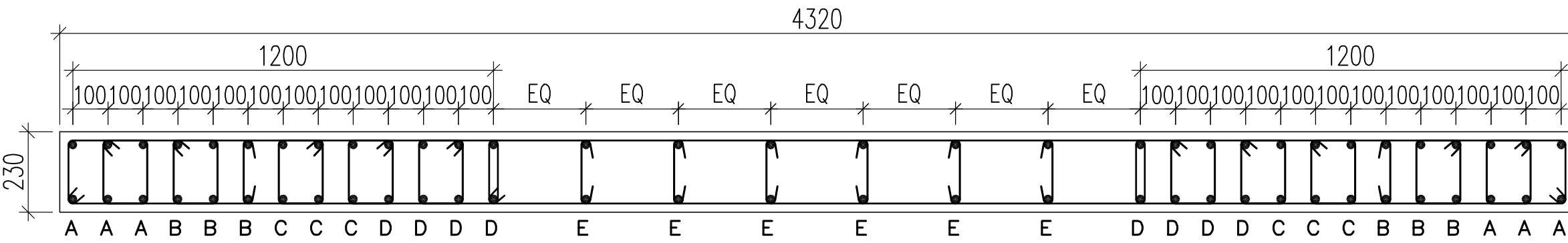
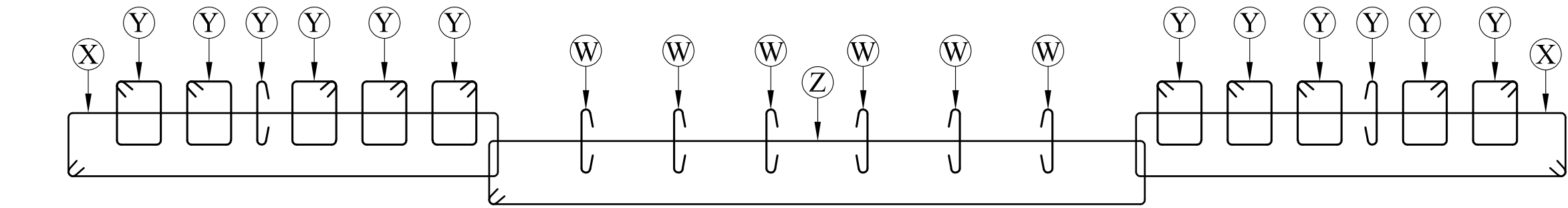
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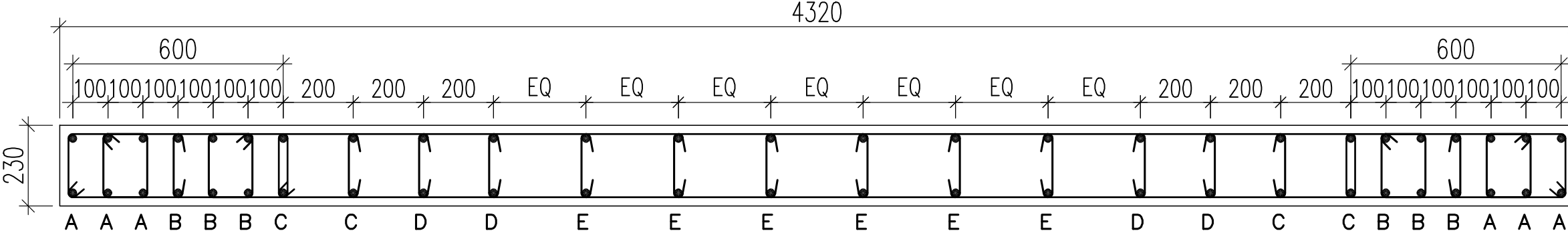
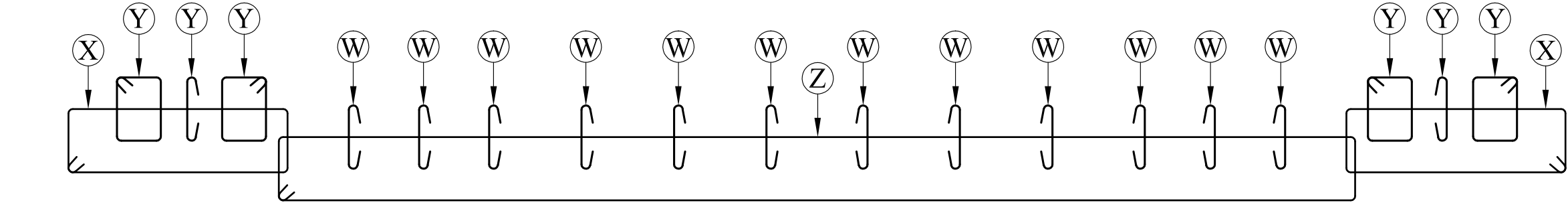
SW6 (SEC:-8A)



SW6 (SEC:-8B)



SW7 (SEC:-9)



SW7 (SEC:-9A)

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OPENING IN STRUCTURAL ELEMENT

P.C.C WORK

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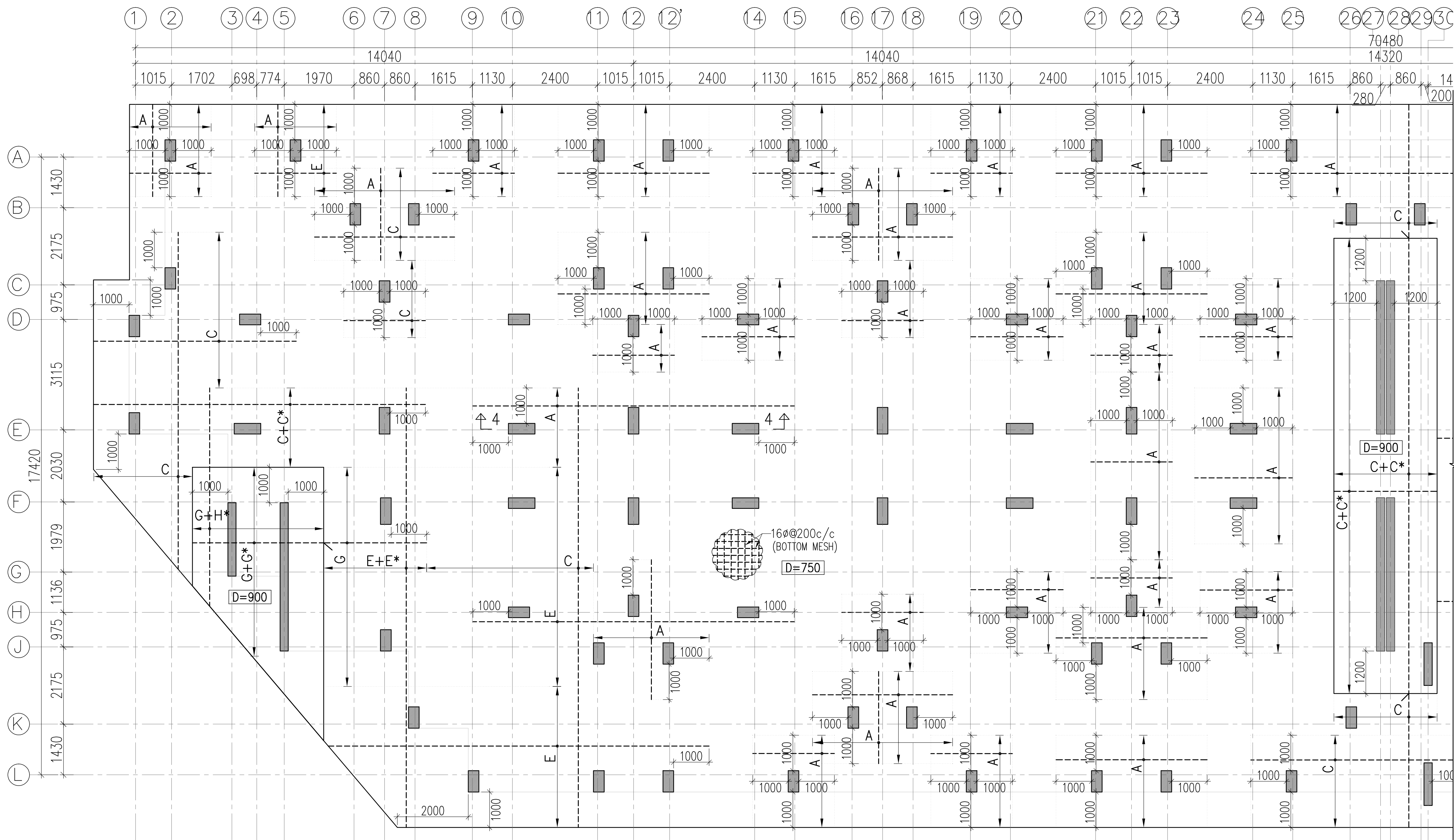
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DRAWN BY:-	M.S	SCALE:-	N.T.S
DESIGN BY:-	S.A	DATE:-	07-02-2025
CHECK BY:-	R.K	PROJECT NO:-	4743

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STRUCTURAL CONSULTANT:
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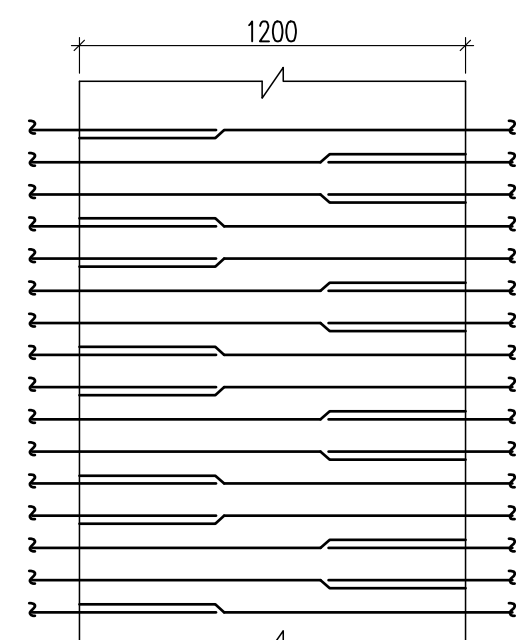

Rakesh Kumar ~ 17.2.2025
B.E. (Civil), M.S. (Structures)
Chartered Engineer
FIE-1293156, FIV-17032
Reliable Consulting Engineers
87, Sector-30, Gurugram (HR.)



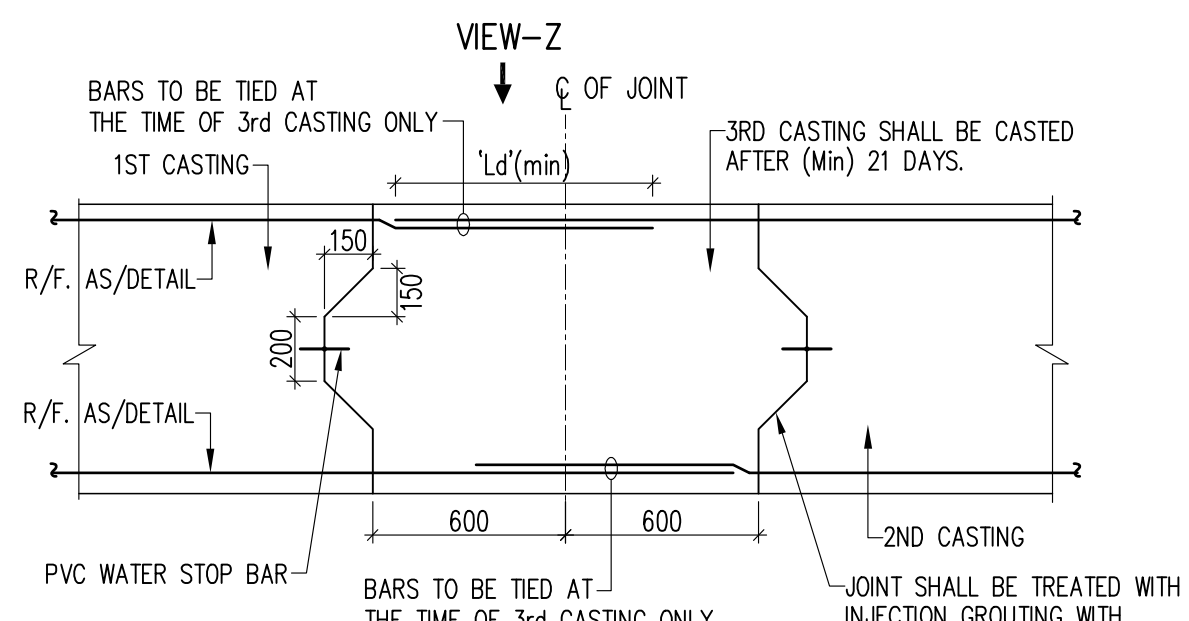
-----	BOTTOM R/F.
—————	TOP R/F.

* = EXTRA R/F. IN 2nd LAYER

FOUNDATION PLAN (BLOCK-F)
SHOWING EXTRA BOTTOM REINFORCEMENT



VIEW-Z



TYPICAL COMPENSATORY STRIP DETAIL

SCHEDULE OF EXTRA R/F

A	12# @ 200 c/c
B	12# @ 100 c/c
C	16# @ 200 c/c
D	16# @ 100 c/c
E	20# @ 200 c/c
F	20# @ 100 c/c
G	25# @ 200 c/c
H	25# @ 100 c/c

LAP LENGTH FOR
Fe-550 & M-30 IN
COMPRESSION ZONE

DIA OF BAR	LENGTH IN mm
25	1000
20	800
16	640
12	480
10	400
8	320

LAP LENGTH FOR
Fe-550 & M-30 IN
TENSION ZONE

DIA OF BAR	LENGTH IN mm
25	1250
20	1000
16	800
12	600
10	500
8	400

Rakesh Kumar
Rakesh Kumar ~ 17.2.2025
B.E. (Civil), M.S. (Structures)
Chartered Engineer
FIE-1293156, FIV-17032
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87, Sector-30, Gurugram (HR.)

GENERAL NOTES: -

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT.
2. ALL DIMENSIONS & LEVELS ARE IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRGS.
5. THE REINFORCEMENT SHALL BE HYSD. FE-550(SD) BARS HAVING YIELD STRENGTH NOT LESS THAN 550 N/mm² & CONFORMING TO I.S. 1786 - 2008.
6. GRADE OF CONCRETE SHALL BE AS FOLLOWS:-
 - (a) FOUNDATION : M-30
 - (b) COLUMN/S.W. : M-30
 - (c) BEAM : M-30
 - (d) SLAB : M-30
 - (e) R.C.C WALL : M-30
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:-
 - (a) FOUNDATION : 75 MM (BOTTOM) & 50 MM (TOP)
 - (b) COLUMN : 40 MM
 - (c) BEAM : 25 MM
 - (d) SLAB : 20 MM
 - (e) R.C.C WALL : 30 MM

NOMINAL COVER IS THE DEPTH OF CONCRETE COVER TO ALL STEEL REINFORCEMENT INCLUDING LINKS/ TIES/ STIRRUPS.
8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED.
9.
 - INDICATES BOTTOM BARS
 - INDICATES TOP BARS
 - OPENING IN STRUCTURAL ELEMENT
 - P.C.C WORK
 - BRICK WORK
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND CURED THOROUGHLY AS PER I.S 456-LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN.
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456. SPACER BARS.
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14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIS OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DRG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. ALL ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS: 8# @ 200 c/c (8")
19. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.C.C.1:4:8.

RO	07-02-2025	FOR SUBMISSION
REV.NO.	DATE	REVISION
OWNER/DEVELOPER:		
APNA GHAR BUILDWELL PVT. LTD.		
290, NAYA-BASS, ALWAR RAJASTHAN		
Alwar Office: C/O PHOOL BAGH SERVICE STATION		
NEAR CIRCUIT HOUSE, ALWAR Tel. 0144-3241400		
PROJECT:		
REVISED BUILDING PLAN AT KHASRA NO :-205,206,207, 208,209,210/679,216,217,218,215/693,215/699 AT VILLAGE TAPUKARA, TEH.-TIJARA, TIJARA ROAD, DISTT.-ALWAR (RAJ.)		
DRAWING TITLE:		DWG NO.
FOUNDATION PLAN (BOTTOM EXTRA REINF.) (BLOCK-F)		ST-08
DRAWN BY: -	M.S	SCALE: -
DESIGN BY: -	S.A	DATE: -
CHECK BY: -	R.K	PROJECT NO: -
		N.T.S
		07-02-2025
		4743

ARCHITECTS:

CREATIVE STUDIO

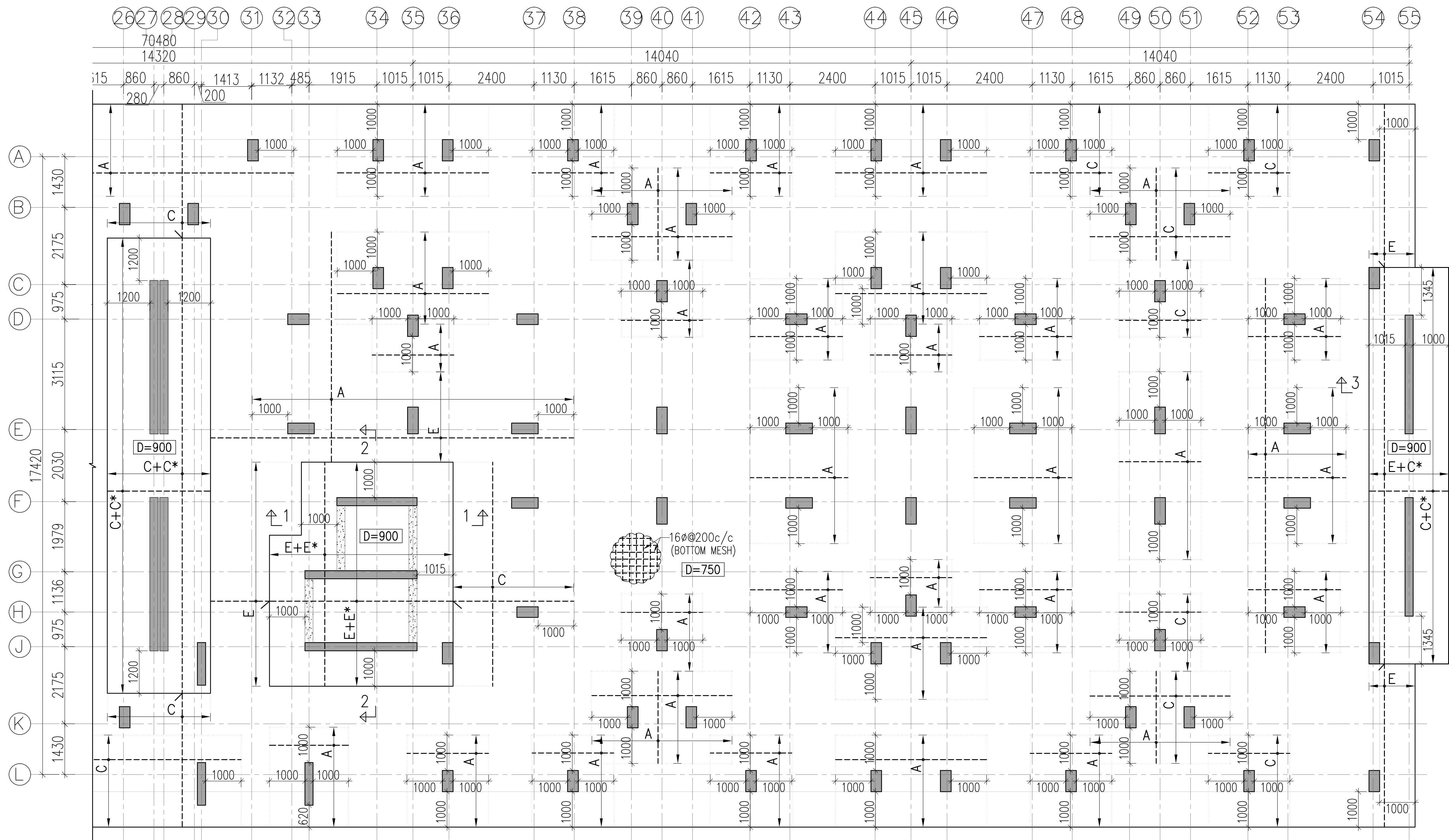
AR. MANSINGH MEENA
317, THIRD FLOOR, KRISH SQUARE, OPP. MODERN PUBLIC SCHOOL, BHAGAT SINGH COLONY, BHIWADI, ALWAR (RAJ.)
Web.-www.csbhiwadi.com, Email id-info@csbhiwadi.com
MOB:- 09460478315, PH:- 01493-491200

STRUCTURAL CONSULTANT:

RELIABLE CONSULTING ENGINEERS
87, SECTOR -30, GURGAON-122001, HARYANA
Email-rcs8730@gmail.com

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|---------------------------------------|--|
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| ☐ ADVANCE COPY | ☐ CONSTRUCTION |



FOUNDATION PLAN (BLOCK-F)
SHOWING EXTRA BOTTOM REINFORCEMENT

SCHEDULE OF EXTRA R/F

A	12#200c/c
B	12#100c/c
C	16#200c/c
D	16#100c/c
E	20#200c/c
F	20#100c/c
G	25#200c/c
H	25#100c/c

LAP LENGTH FOR
Fe-550 & M-30 IN
COMPRESSION ZONE

DIA OF BAR	LENGTH IN mm
25	1000
20	800
16	640
12	480
10	400
8	320

LAP LENGTH FOR
Fe-550 & M-30
IN TENSION ZONE

DIA OF BAR	LENGTH IN mm
25	1250
20	1000
16	800
12	600
10	500
8	400

-----	BOTTOM R/F.
—————	TOP R/F.

* = EXTRA R/F. IN 2nd LAYER

GENERAL NOTES: -

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2. ALL DIMENSIONS & LEVELS ARE IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRGS.
5. THE REINFORCEMENT SHALL BE HYSD. FE-550(SD) BARS HAVING YIELD STRENGTH NOT LESS THAN 550 N/mm² & CONFORMING TO I.S. 1786 - 2008.
6. GRADE OF CONCRETE SHALL BE AS FOLLOWS: -
(a) FOUNDATION : M-30
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INDICATES TOP BARS
OPENING IN STRUCTURAL ELEMENT
P.C.C WORK
BRICK WORK
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND CURED THOROUGHLY AS PER IS 456-LATEST.
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17. ALL ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
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19. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.C.C.1:4:8.

RO	07-02-2025	FOR SUBMISSION
REV.NO.	DATE	REVISION
OWNER/DEVELOPER:		
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PROJECT:		
REVISED BUILDING PLAN AT KHASRA NO :-205,206,207, 208,209,210/679,216,217,218,215/693,215/699 AT VILLAGE TAPUKARA, TEH.-TIJARA, TIJARA ROAD, DISTT.-ALWAR (RAJ.)		
DRAWING TITLE:		DWG NO.
FOUNDATION PLAN (BOTTOM EXTRA REINF.) (BLOCK-F)		ST-09
DRAWN BY: -	M.S	SCALE: -
DESIGN BY: -	S.A	DATE: -
CHECK BY: -	R.K	PROJECT NO: -
		4743

ARCHITECTS:

CREATIVE STUDIO

AR. MANSINGH MEENA
317, THIRD FLOOR, KRISH SQUARE, OPP. MODERN PUBLIC
SCHOOL, BHAGAT SINGH COLONY, BHIWADI, ALWAR (RAJ.)
Web.-www.csbhiwadi.com, Email id-info@csbhiwadi.com
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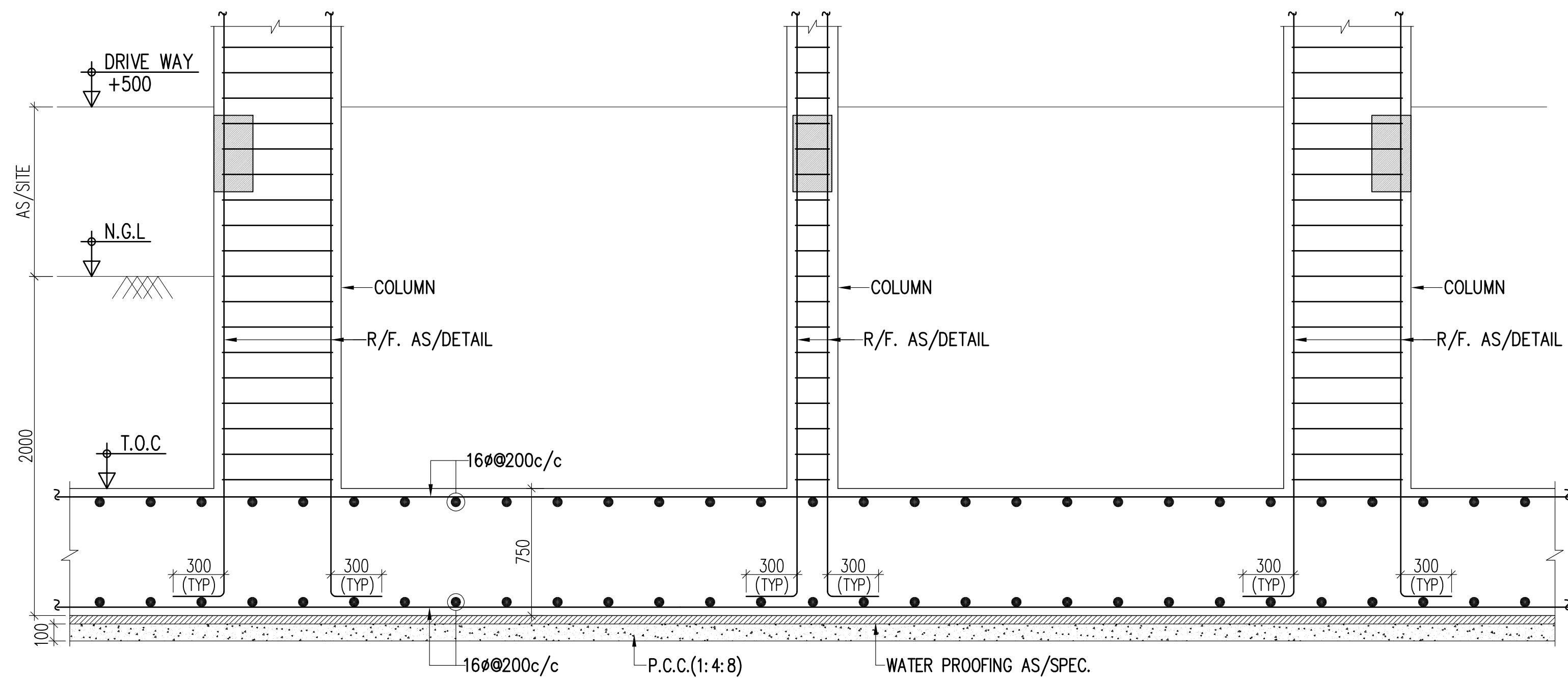
STRUCTURAL CONSULTANT:

RELIABLE CONSULTING ENGINEERS
87, SECTOR -30, GURGAON-122001, HARYANA
Email-rcs8730@gmail.com

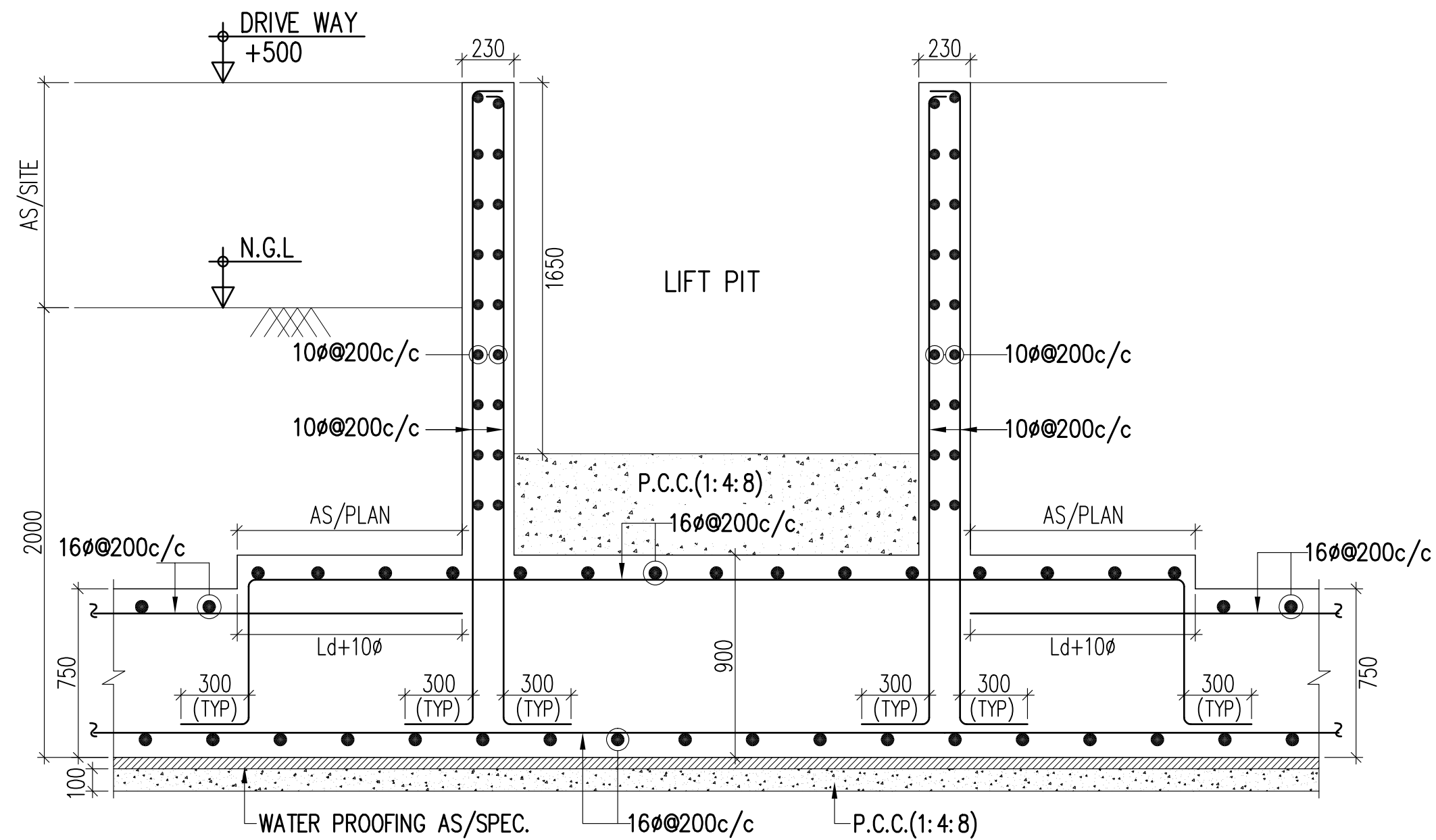
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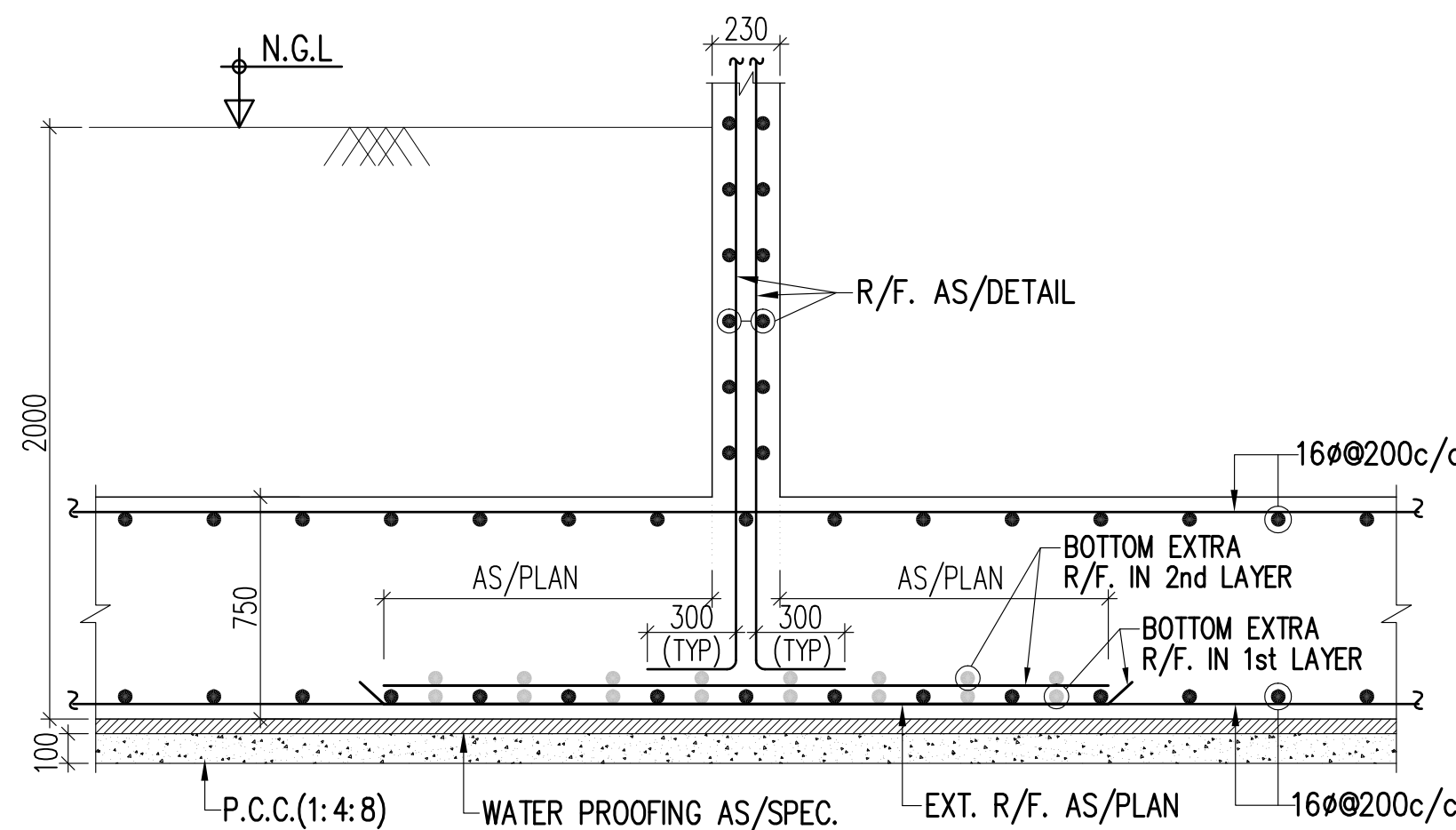
Rakesh Kumar ~ 17.2.2025
B.E. (Civil), M.S. (Structures)
Chartered Engineer
FIE-1293156, FIV-17032
Reliable Consulting Engineers
87, Sector-30, Gurugram (HR.)



SECTION 4-4
(EXTRA REINFORCEMENT AS/PLAN)



SECTION 1-1
(EXTRA REINFORCEMENT AS/PLAN)



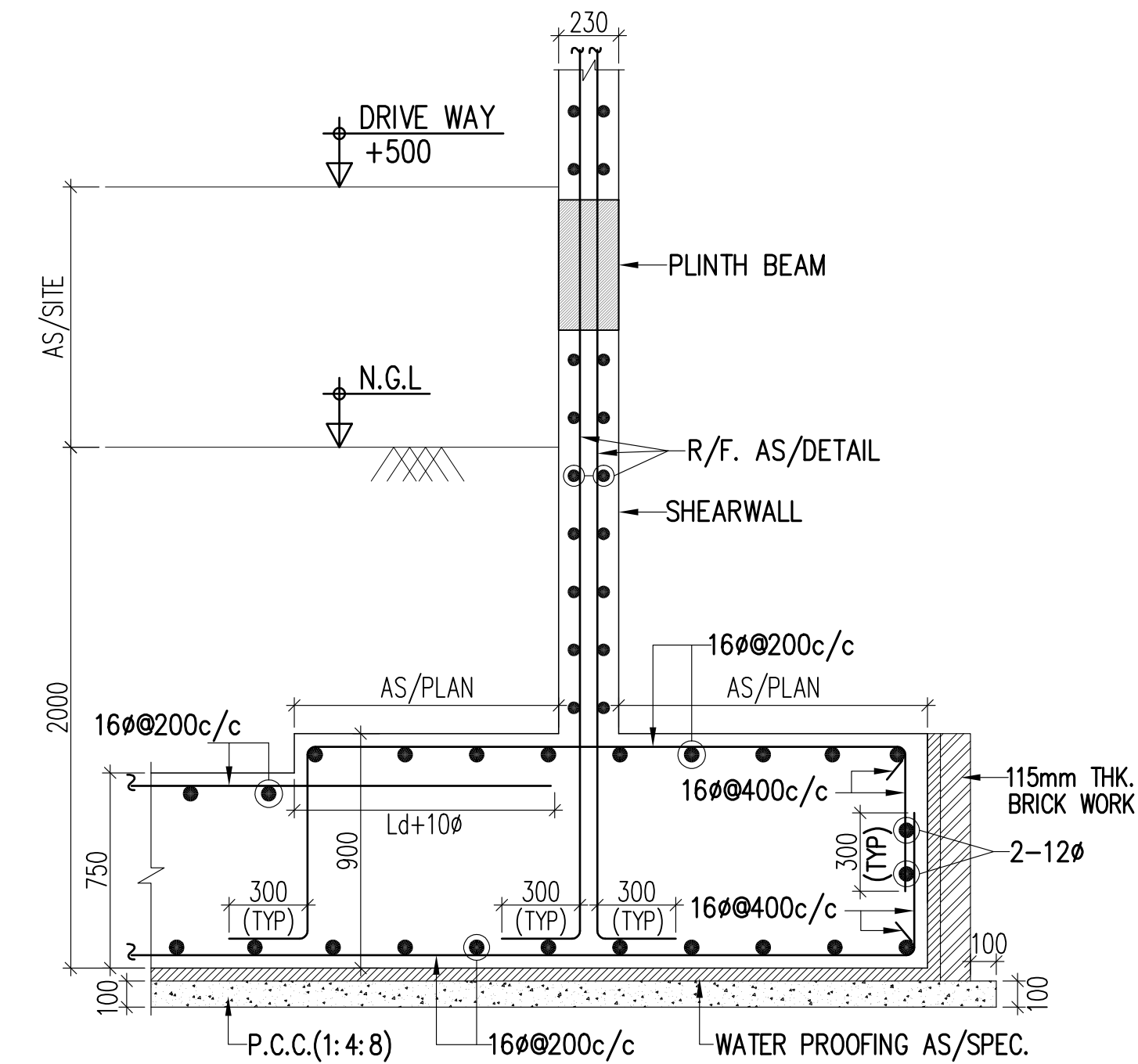
TYPICAL REINF. DETAIL OF RAFT
SHOWING EXTRA BOTTOM REINFORCEMENT

LAP LENGTH FOR
Fe-550 & M-30 IN
COMPRESSION ZONE

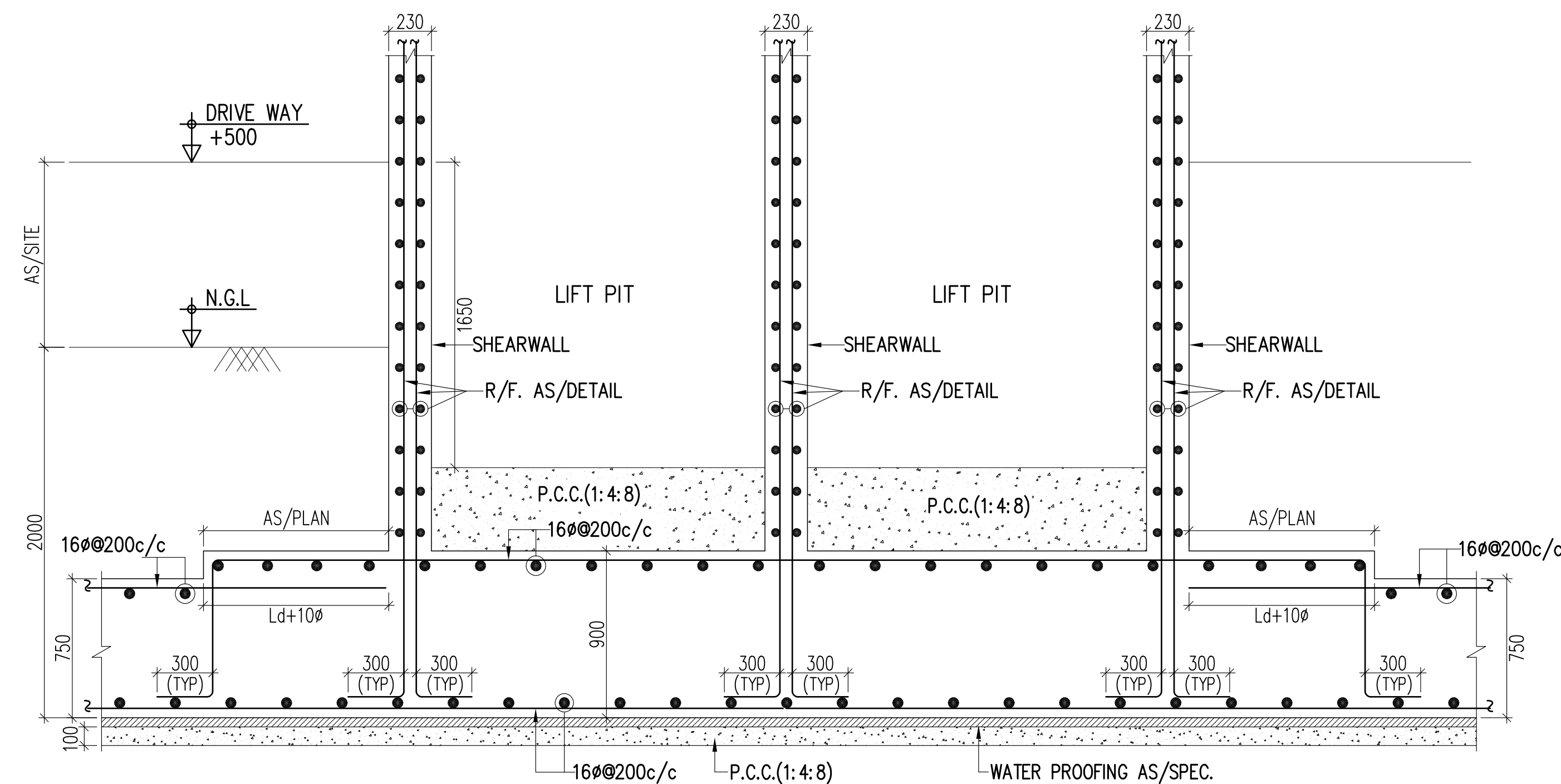
DIA OF BAR	LENGTH IN mm
25	1000
20	800
16	640
12	480
10	400
8	320

LAP LENGTH FOR
Fe-550 & M-30 IN
TENSION ZONE

DIA OF BAR	LENGTH IN mm
25	1250
20	1000
16	800
12	600
10	500
8	400



SECTION 3-3
(EXTRA REINFORCEMENT AS/PLAN)



SECTION 2-2
(EXTRA REINFORCEMENT AS/PLAN)

GENERAL NOTES: -

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(c) BEAM	: M-30
(d) SLAB	: M-30
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-----	INDICATES BOTTOM BARS
-----	INDICATES TOP BARS
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RO	07-02-2025	FOR SUBMISSION
REV.NO.	DATE	REVISION

OWNER/DEVELOPER:

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290, NAYA-BASS, ALWAR RAJASTHAN
Alwar Office: C/O PHOOL BAGH SERVICE STATION
NEAR CIRCUIT HOUSE, ALWAR Tel. 0144-3241400

PROJECT:

REVISED BUILDING PLAN AT KHASRA NO :-205,206,207,
208,209,210/679,216,217,218,215/693,215/699 AT VILLAGE
TAPUKARA, TEH.-TIJARA, TIJARA ROAD, DISTT.-ALWAR (RAJ.)

DRAWING TITLE: FOUNDATION SECTIONS & DETAILS. (BLOCK-F)			DWG NO. ST-10
DRAWN BY: -	M.S	SCALE: -	N.T.S
DESIGN BY: -	S.A	DATE: -	07-02-2025
CHECK BY: -	R.K	PROJECT NO: -	4743

ARCHITECTS:

CREATIVE STUDIO

AR. MANSINGH MEENA
317, THIRD FLOOR, KRISH SQUARE, OPP. MODERN PUBLIC
SCHOOL, BHAGAT SINGH COLONY, BHIWADI, ALWAR (RAJ.)
Web.-www.csbhiwadi.com, Email id-info@csbhiwadi.com
MOB:- 09460478315, PH:- 01493-491200

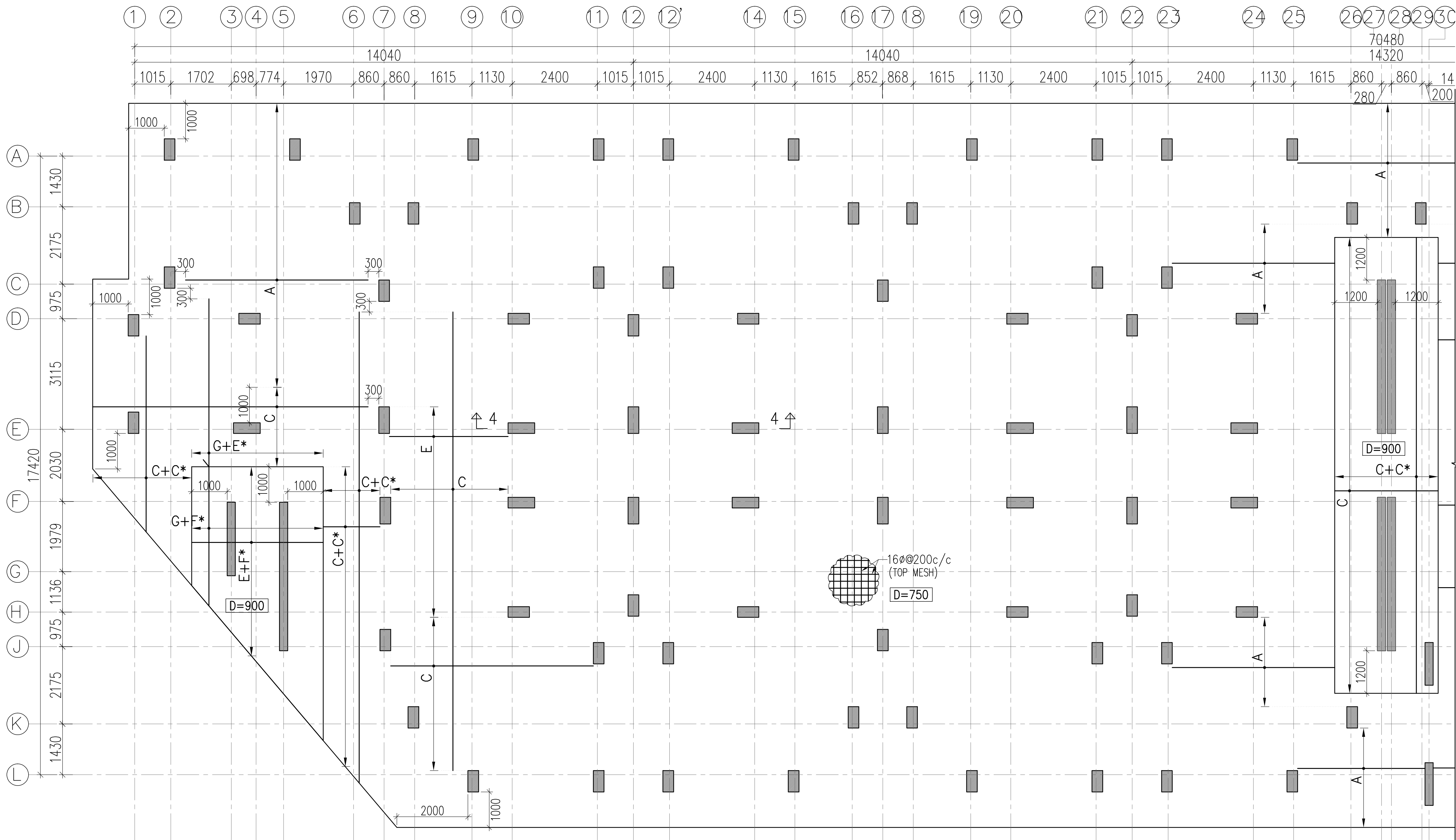
STRUCTURAL CONSULTANT:

RELIABLE CONSULTING ENGINEERS
87, SECTOR -30, GURGAON-122001, HARYANA
Email-rcs8730@gmail.com

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Rakesh Kumar ~ 17.2.2025
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87, Sector-30, Gurugram (HR.)



-----	BOTTOM R/F.
—————	TOP R/F.

* = EXTRA R/F. IN 2nd LAYER

FOUNDATION PLAN (BLOCK-F)
SHOWING EXTRA TOP REINFORCEMENT

SCHEDULE OF EXTRA R/F

A	12@200c/c
B	12@100c/c
C	16@200c/c
D	16@100c/c
E	20@200c/c
F	20@100c/c
G	25@200c/c
H	25@100c/c

LAP LENGTH FOR
Fe-550 & M-30 IN
COMPRESSION ZONE

DIA OF BAR	LENGTH IN mm
25	1000
20	800
16	640
12	480
10	400
8	320

LAP LENGTH FOR
Fe-550 & M-30
IN TENSION ZONE

DIA OF BAR	LENGTH IN mm
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Rakesh Kumar ~ 17.2.2025
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OWNER/DEVELOPER:			
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290, NAYA-BASS, ALWAR RAJASTHAN			
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PROJECT:			
REVISED BUILDING PLAN AT KHASRA NO :-205,206,207, 208,209,210/679,216,217,218,215/693,215/699 AT VILLAGE TAPUKARA, TEH.-TIJARA, TIJARA ROAD, DISTT.-ALWAR (RAJ.)			
DRAWING TITLE:		DWG NO.	
FOUNDATION PLAN (TOP EXTRA REINF.) (BLOCK-F)		ST-11	
DRAWN BY: -	M.S	SCALE: -	N.T.S
DESIGN BY: -	S.A	DATE: -	07-02-2025
CHECK BY: -	R.K	PROJECT NO: -	4743

ARCHITECTS:

CREATIVE STUDIO

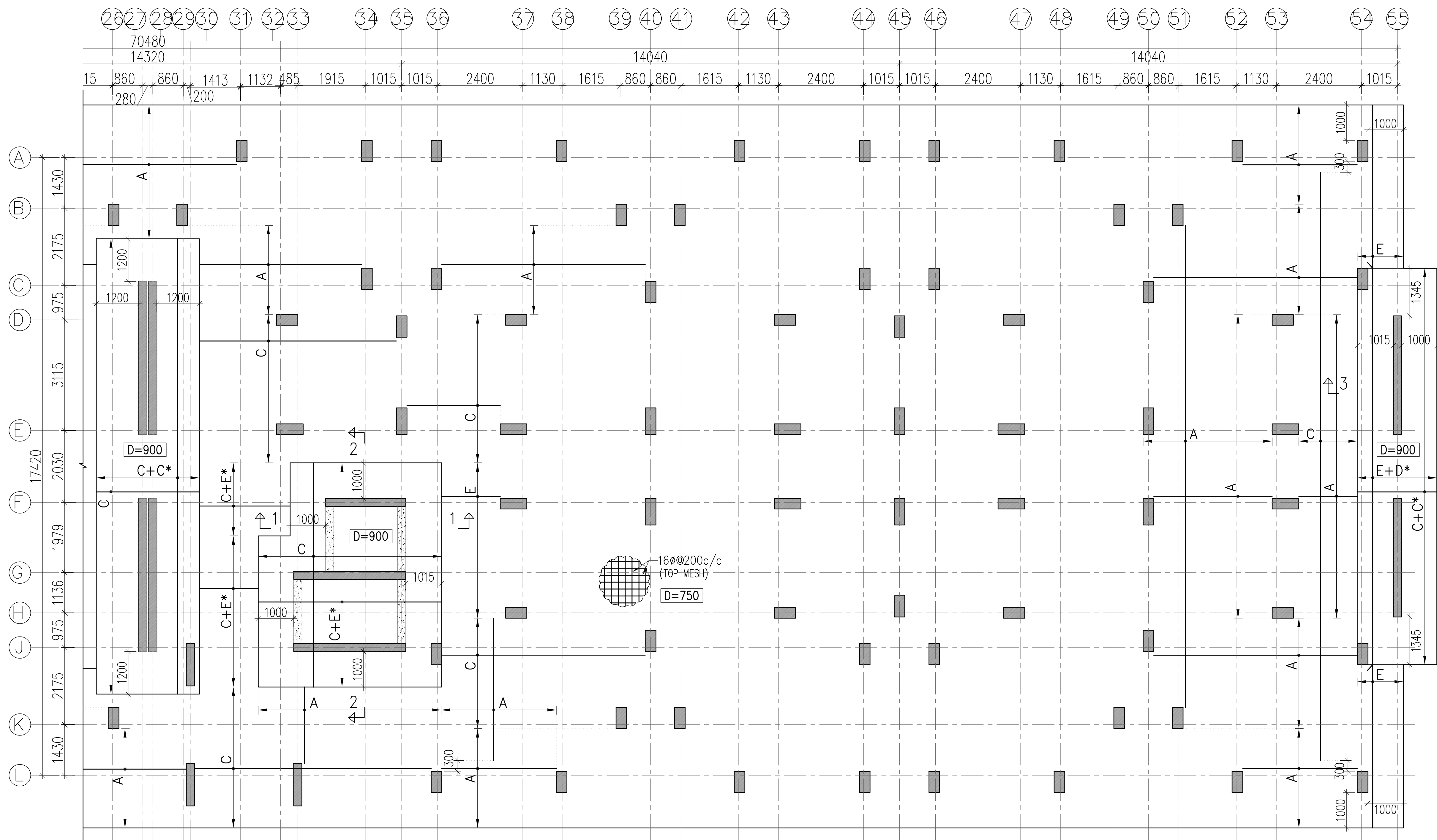
AR. MANSINGH MEENA
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Email-rcs8730@gmail.com

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| ☐ ADVANCE COPY | ☐ CONSTRUCTION |



FOUNDATION PLAN (BLOCK-F)
SHOWING EXTRA TOP REINFORCEMENT

-----	BOTTOM R/F.
-----	TOP R/F.

* = EXTRA R/F. IN 2nd LAYER

SCHEDULE OF EXTRA R/F

A	12φ@200c/c
B	12φ@100c/c
C	16φ@200c/c
D	16φ@100c/c
E	20φ@200c/c
F	20φ@100c/c
G	25φ@200c/c
H	25φ@100c/c

LAP LENGTH FOR
Fe-550 & M-30 IN
COMPRESSION ZONE

DIA OF BAR	LENGTH IN mm
25	1000
20	800
16	640
12	480
10	400
8	320

LAP LENGTH FOR
Fe-550 & M-30
IN TENSION ZONE

DIA OF BAR	LENGTH IN mm
25	1250
20	1000
16	800
12	600
10	500
8	400

Rakesh
Rakesh Kumar ~ 17.2.2025
B.E. (Civil), M.S. (Structures)
Chartered Engineer
FIE-1293156, FIV-17032
Reliable Consulting Engineers
87, Sector-30, Gurugram (HR.)

GENERAL NOTES: -

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT.
2. ALL DIMENSIONS & LEVELS ARE IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRGS.
5. THE REINFORCEMENT SHALL BE HYSD. FE-550(SD) BARS HAVING YIELD STRENGTH NOT LESS THAN 550 N/mm² & CONFORMING TO I.S. 1786 - 2008.
6. GRADE OF CONCRETE SHALL BE AS FOLLOWS:-
 - (a) FOUNDATION : M-30
 - (b) COLUMN/S.W. : M-30
 - (c) BEAM : M-30
 - (d) SLAB : M-30
 - (e) R.C.C WALL : M-30
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:-
 - (a) FOUNDATION : 75 MM (BOTTOM) & 50 MM (TOP)
 - (b) COLUMN : 40 MM
 - (c) BEAM : 25 MM
 - (d) SLAB : 20 MM
 - (e) R.C.C WALL : 30 MMNOMINAL COVER IS THE DEPTH OF CONCRETE COVER TO ALL STEEL REINFORCEMENT INCLUDING LINKS/ TIES/ STIRRUPS.
8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED.
9.

-----	INDICATES BOTTOM BARS
-----	INDICATES TOP BARS
-----	OPENING IN STRUCTURAL ELEMENT
-----	P.C.C WORK
-----	BRICK WORK
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND CURED THOROUGHLY AS PER I.S 456-LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN.
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456. SPACER BARS.
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRGS. & IN CASE OF ANY DISCREPANCY ARCHITECT'S DRGS. SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIS OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DRG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. ALL ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS: 8φ@200 c/c (8")
19. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.C.C.1:4:8.

RO	07-02-2025	FOR SUBMISSION	
REV.NO.	DATE	REVISION	
OWNER/DEVELOPER:			
APNA GHAR BUILDWELL PVT. LTD.			
290, NAYA-BASS, ALWAR RAJASTHAN			
Alwar Office: C/O PHOOL BAGH SERVICE STATION			
NEAR CIRCUIT HOUSE, ALWAR Tel. 0144-3241400			
PROJECT:			
REVISED BUILDING PLAN AT KHASRA NO :-205,206,207, 208,209,210/679,216,217,218,215/693,215/699 AT VILLAGE TAPUKARA, TEH.-TIJARA, TIJARA ROAD, DISTT.-ALWAR (RAJ.)			
DRAWING TITLE:		DWG NO.	
FOUNDATION PLAN (TOP EXTRA REINF.) (BLOCK-F)		ST-12	
DRAWN BY: -	M.S	SCALE: -	N.T.S
DESIGN BY: -	S.A	DATE: -	07-02-2025
CHECK BY: -	R.K	PROJECT NO: -	4743

ARCHITECTS:

CREATIVE STUDIO

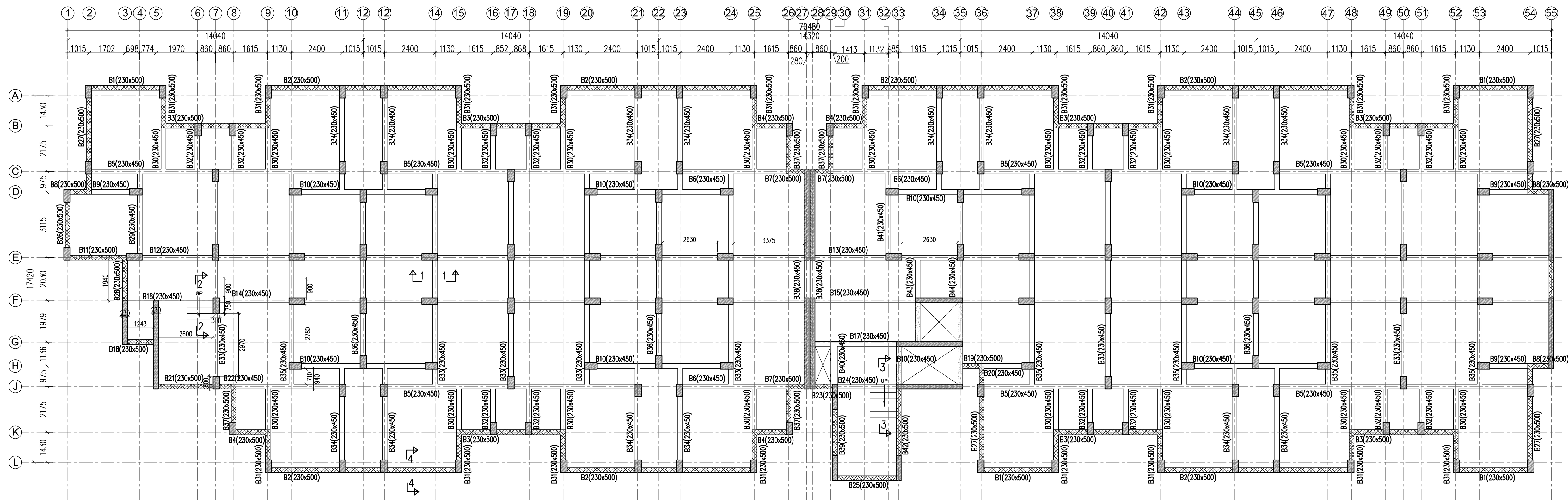
AR. MANSINGH MEENA
317, THIRD FLOOR, KRISH SQUARE, OPP. MODERN PUBLIC
SCHOOL, BHAGAT SINGH COLONY, BHIWADI, ALWAR (RAJ.)
Web.-www.csbhiwadi.com, Email id-info@csbhiwadi.com
MOB:- 09460478315, PH:- 01493-491200

STRUCTURAL CONSULTANT:

RELIABLE CONSULTING ENGINEERS
87, SECTOR -30, GURGAON-122001, HARYANA
Email-rcs8730@gmail.com

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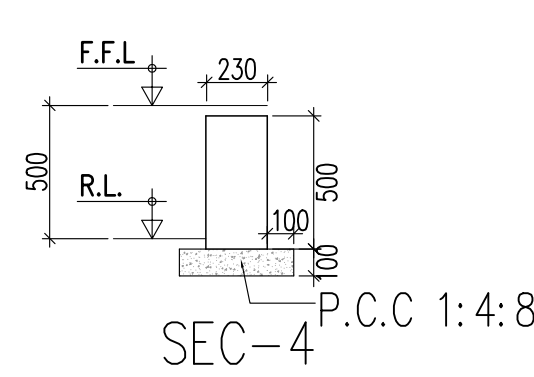
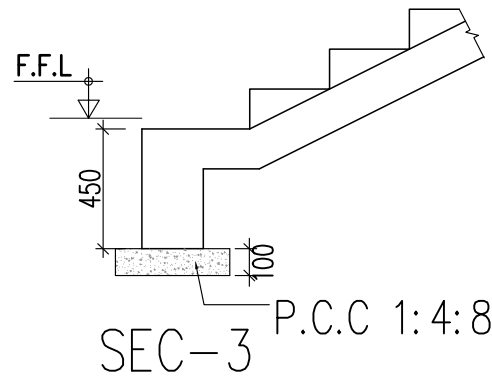
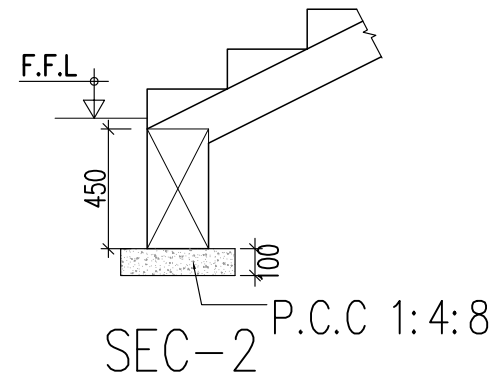
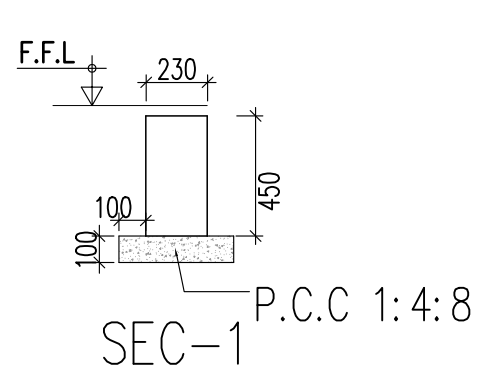
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| ☐ ADVANCE COPY | ☐ CONSTRUCTION |



FRAMING PLAN AT STILL FLOOR LVL. (BLOCK-F)

ALL EXTERNAL BEAMS ARE 230x500 THK. (U.N.O.)

ALL INTERNAL BEAMS ARE 230x450 THK. (U.N.O.)



GENERAL NOTES:-

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT.
2. ALL DIMENSIONS & LEVELS ARE IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS & OPENINGS WITH RELEVANT ARCH. DRGS.
5. THE REINFORCEMENT SHALL BE COLD TWISTED DEFORMED BARS (C.T.D) OR T.M.T. BARS HAVING YIELD STRENGTH NOT LESS THAN 550(SD) N/mm² AND CONFORMING TO I.S. 1786 - 1979.
6. GRADE OF CONCRETE SHALL BE M30.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:-
 - (a) FOOTING : 50 MM
 - (b) COLUMN : 40 MM
 - (c) BEAM : 25 MM
 - (d) SLAB : 20 MM
 - (e) SHEAR WALL : 30 MM
 - (f) RETAINING WALL : 30 MM

NOMINAL COVER IS THE DEPTH OF CONCRETE COVER TO ALL STEEL REINFORCEMENT INCLUDING LINKS/ TIES/ STIRRUPS.

8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED.

9. INDICATES BOTTOM BARS
INDICATES TOP BARS
OPENING IN STRUCTURAL ELEMENT
P.C.C WORK
BRICK WORK

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17. ALL ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS: 8@200 c/c (8")
19. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.C.C.1:4:8.

RO	12-02-2025	FOR SUBMISSION
REV.NO.	DATE	REVISION

PROJECT:

PROPOSED GROUP HOUSING AT
KHASRA NO :-
205,206,207,208,209,210,679,
216,217,218,215/693,215/699,AT
VILLAGE TAPUKARA, TEH.- TIJARA
TIJARA ROAD, DISTT.-ALWAR (RAJ.)

DRAWING TITLE: STILT FLOOR LVL. FRAMING PLAN (BLOCK-F)		DWG NO. ST-13	
DRAWN BY:-	JAKHAR	SCALE:-	N.T.S
DESIGN BY:-	S.A	DATE:-	12-02-2025
CHECK BY:-	S.A	PROJECT NO:-	4743

ARCHITECTS:

NISARG TREHAN

ARCHITECTURE AND INTERIORS
SECTOR-38, GURGAON-122001, HARYANA

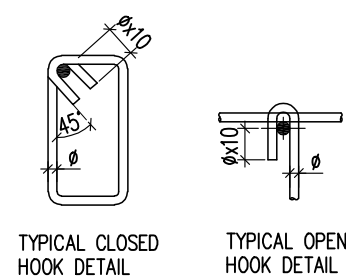
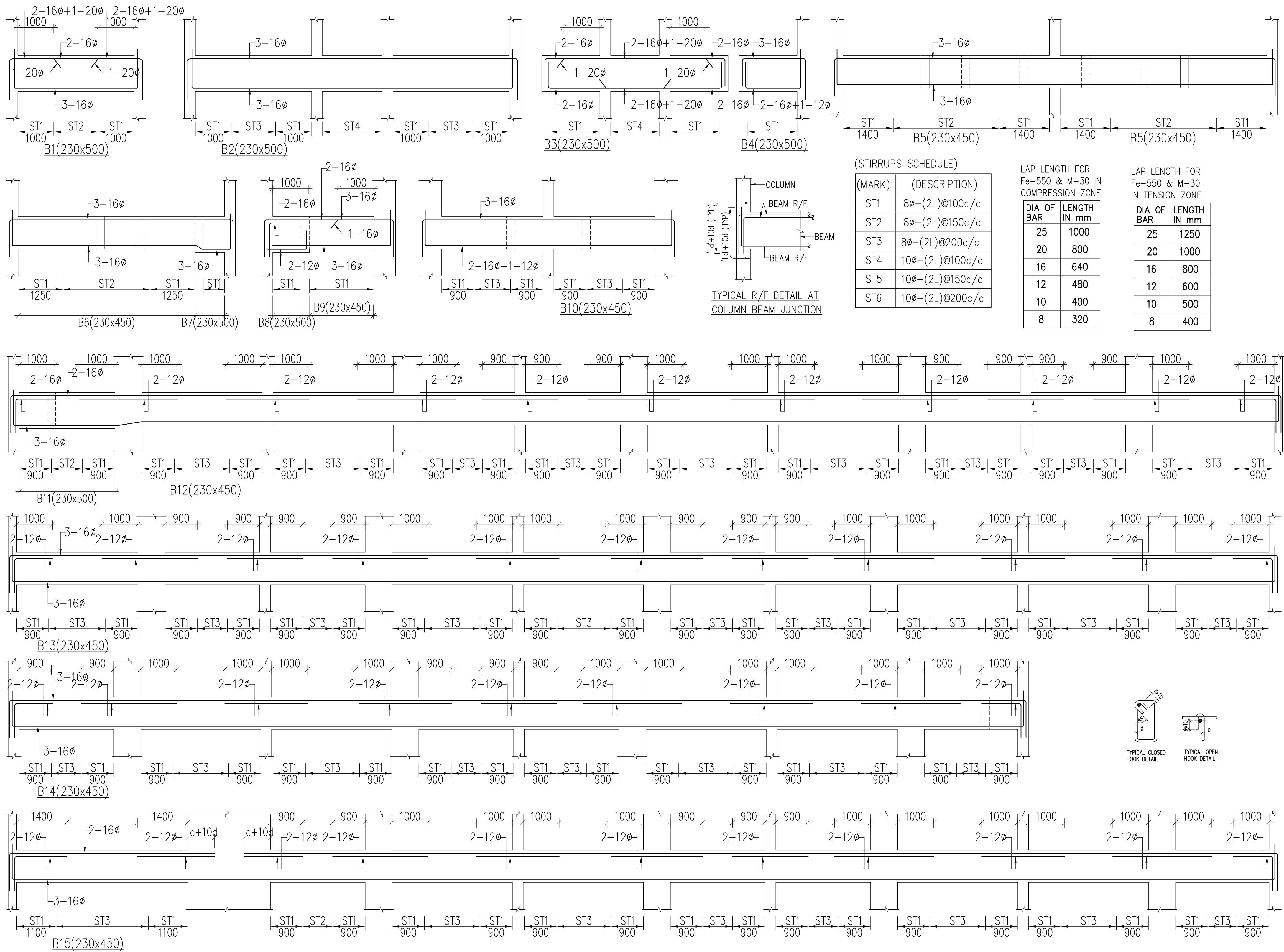
STRUCTURAL CONSULTANT:

RELIABLE CONSULTING ENGINEERS
87, SECTOR -30, GURGAON-122001, HARYANA
Email-rce8730@gmail.com

DRAWING RELEASED FOR:

- | | |
|---------------------------------------|--|
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| ☐ ADVANCE COPY | ☐ CONSTRUCTION |

Rakesh Kumar ~ 17.2.2025
B.E. (Civil), M.S. (Structures)
Chartered Engineer
FIE-1293156, FIV-17032
Reliable Consulting Engineers
87, Sector-30, Gurugram (HR.)



Rakesh
Rakesh Kumar ~ 17.2.2025
B.E. (Civil), M.S. (Structures)
Chartered Engineer
FIE-1293156, FIV-17032
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87, Sector-30, Gurugram (HR.)

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6. GRADE OF CONCRETE SHALL BE M30.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS: -
 - (a) FOOTING : 50 MM
 - (b) COLUMN : 40 MM
 - (c) BEAM : 25 MM
 - (d) SLAB : 20 MM
 - (e) SHEAR WALL : 30 MM
 - (f) RETAINING WALL : 30 MM
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RO	12-02-2025	FOR SUBMISSION
REV.NO.	DATE	REVISION

PROJECT:

PROPOSED GROUP HOUSING AT
KHASRA NO :-
205,206,207,208,209,210/679,
216,217,218,215/693,215/699,AT
VILLAGE TAPUKARA, TEH.- TIJARA
TIJARA ROAD, DISTT.-ALWAR (RAJ.)

DRAWING TITLE:	DWG NO.
BEAM DETAIL AT STILT FLOOR LVL. (BLOCK-F)	ST-14

DRAWN BY: -	JAKHAR	SCALE: -	N.T.S
DESIGN BY: -	S.A	DATE: -	12-02-2025
CHECK BY: -	S.A	PROJECT NO: -	4743

ARCHITECTS:

NISARG TREHAN

ARCHITECTURE AND INTERIORS
SECTOR-38, GURGAON-122001, HARYANA

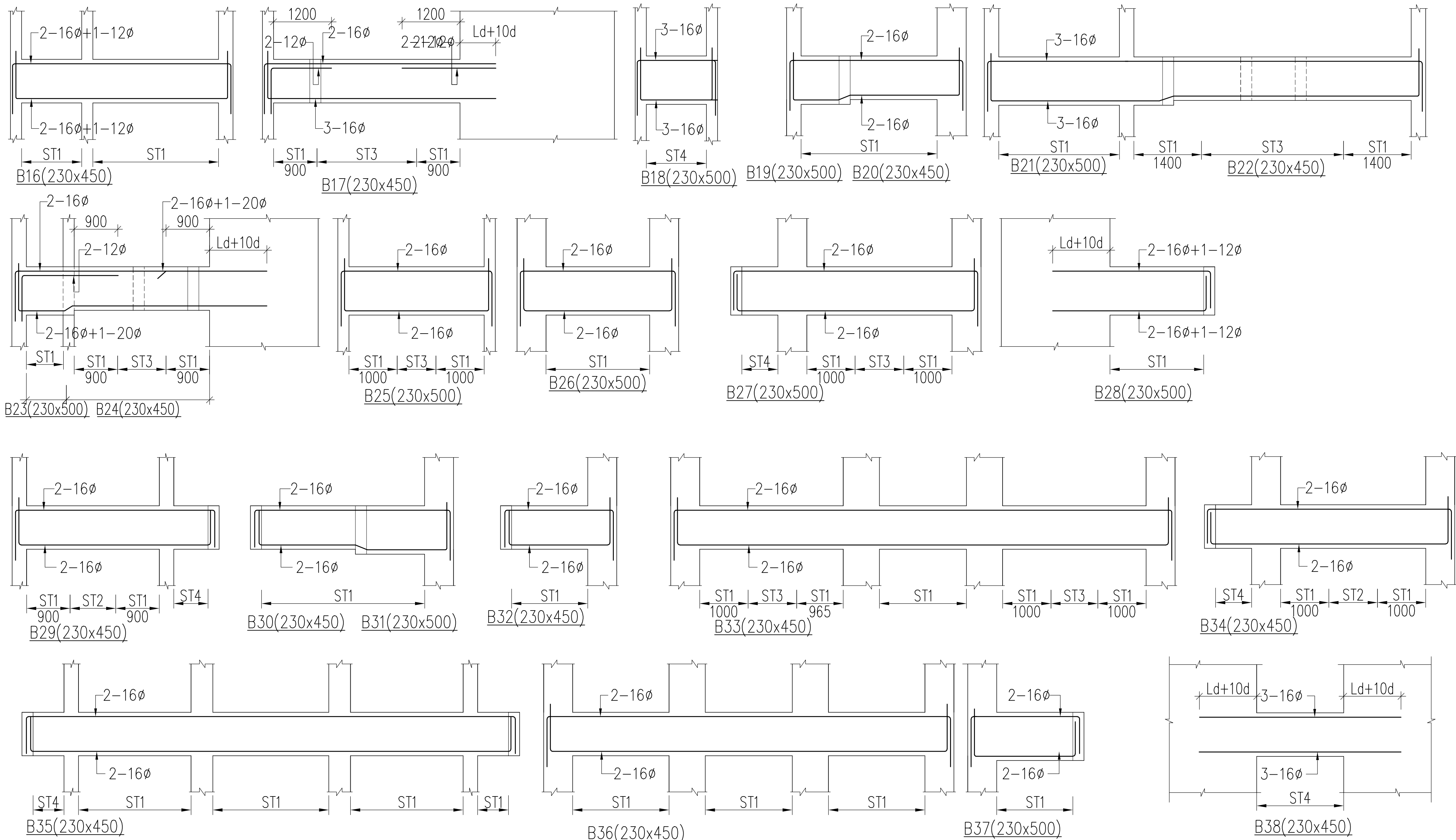
STRUCTURAL CONSULTANT:

RELIABLE CONSULTING ENGINEERS

87, SECTOR -30, GURGAON-122001, HARYANA
Email-rce8730@gmail.com

DRAWING RELEASED FOR:

- | | |
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| ☐ ADVANCE COPY | ☐ CONSTRUCTION |



(STIRRUPS SCHEDULE)

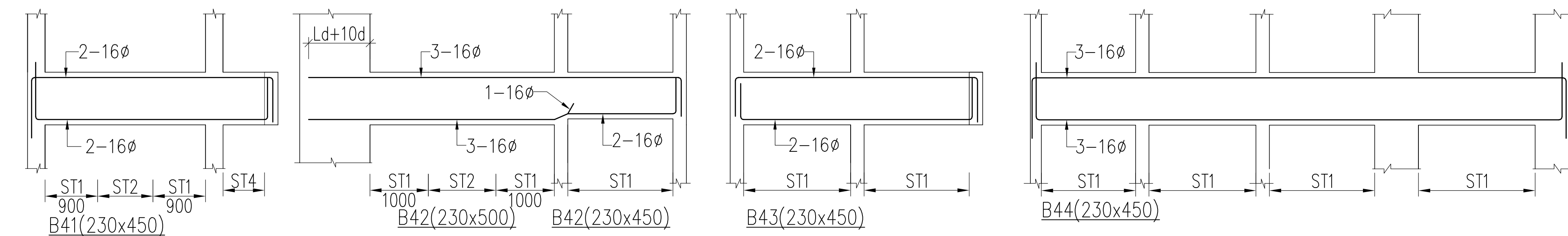
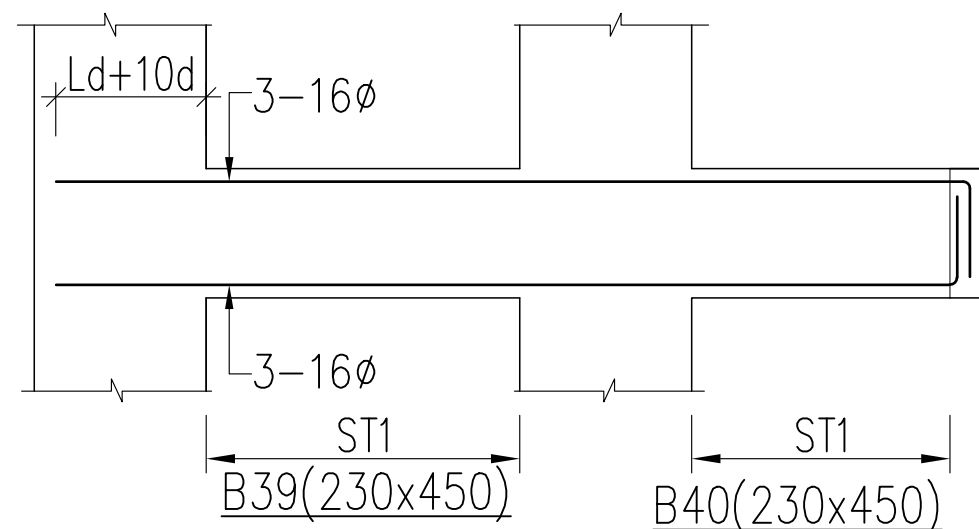
(MARK)	(DESCRIPTION)
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ST2	8 ϕ -(2L)@150c/c
ST3	8 ϕ -(2L)@200c/c
ST4	10 ϕ -(2L)@100c/c
ST5	10 ϕ -(2L)@150c/c
ST6	10 ϕ -(2L)@200c/c

LAP LENGTH FOR
Fe-550 & M-30 IN
COMPRESSION ZONE

DIA OF BAR	LENGTH IN mm
25	1000
20	800
16	640
12	480
10	400
8	320

LAP LENGTH FOR
Fe-550 & M-30 IN
TENSION ZONE

DIA OF BAR	LENGTH IN mm
25	1250
20	1000
16	800
12	600
10	500
8	400



Rakesh
Rakesh Kumar 17.2.2025
 B.E. (Civil), M.S. (Structures)
 Chartered Engineer
 FIE-1293156, FIV-17032
 Reliable Consulting Engineers
 87, Sector-30, Gurugram (HR.)

GENERAL NOTES:-

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2. ALL DIMENSIONS & LEVELS ARE IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS & OPENINGS WITH RELEVANT ARCH. DRGS.
5. THE REINFORCEMENT SHALL BE COLD TWISTED DEFORMED BARS (C.T.D) OR T.M.T. BARS HAVING YIELD STRENGTH NOT LESS THAN 550(SD) N/mm² AND CONFORMING TO I.S. 1786 - 1979.
6. GRADE OF CONCRETE SHALL BE M30.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:-

(a) FOOTING	: 50 MM
(b) COLUMN	: 40 MM
(c) BEAM	: 25 MM
(d) SLAB	: 20 MM
(e) SHEAR WALL	: 30 MM
(f) RETAINING WALL	: 30 MM
- NOMINAL COVER IS THE DEPTH OF CONCRETE COVER TO ALL STEEL REINFORCEMENT INCLUDING LINKS/ TIES/ STIRRUPS.
8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED.
9.

-----	INDICATES BOTTOM BARS
-----	INDICATES TOP BARS
	OPENING IN STRUCTURAL ELEMENT
	P.C.C WORK
	BRICK WORK
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND CURED THOROUGHLY AS PER I.S 456-LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN.
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS: 456. SPACER BARS SHALL BE 50% OF THE MAIN BARS.
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRGS. & IN CASE OF ANY DISCREPANCY ARCHITECT'S DRGS. SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIS OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DRG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE. THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. ALL ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS: 8 ϕ @200 c/c (8")
19. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.C.C. 1:4:8.

RO	12-02-2025	FOR SUBMISSION
REV.NO.	DATE	REVISION

PROJECT:

PROPOSED GROUP HOUSING AT
 KHASRA NO :-
205,206,207,208,209,210/679,
 216,217,218,215/693,215/699,AT
 VILLAGE TAPUKARA, TEH.- TIJARA
 TIJARA ROAD, DISTT.-ALWAR (RAJ.)

DRAWING TITLE:	DWG NO.
BEAM DETAIL AT STILT FLOOR LVL. (BLOCK-F)	ST-15

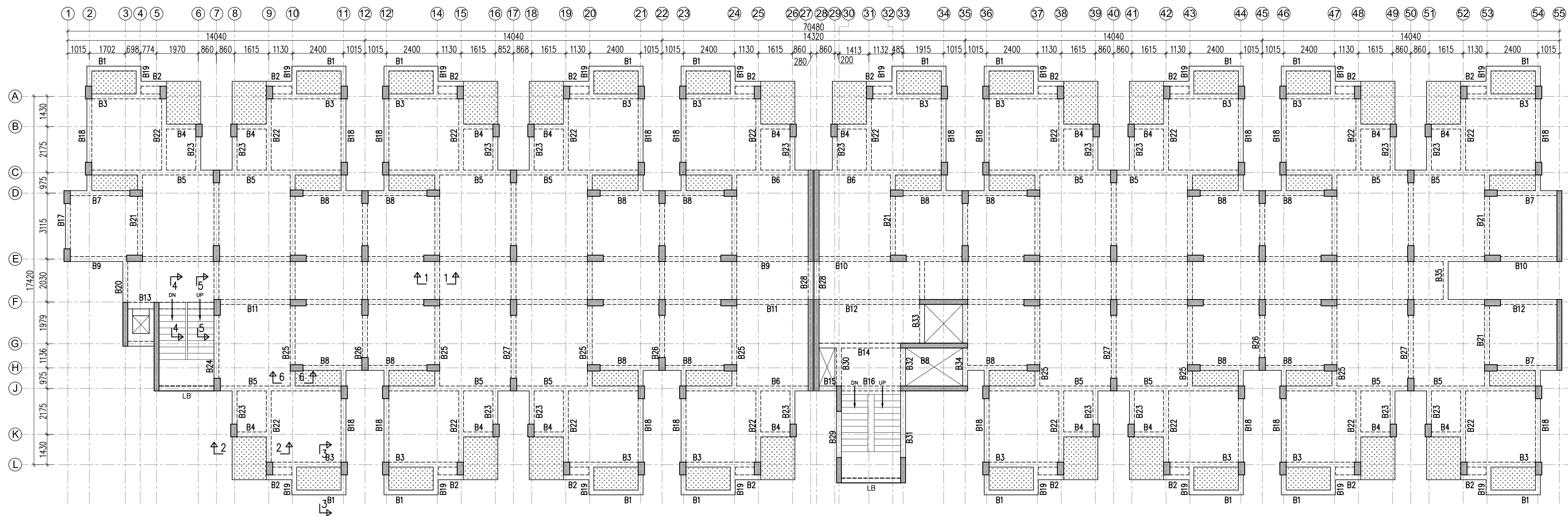
DRAWN BY:-	JAKHAR	SCALE:-	N.T.S
DESIGN BY:-	S.A	DATE:-	12-02-2025
CHECK BY:-	S.A	PROJECT NO:-	4743

ARCHITECTS:

NISARG TREHAN
 ARCHITECTURE AND INTERIORS
 SECTOR-38, GURGAON-122001, HARYANA

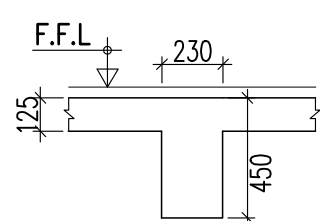
STRUCTURAL CONSULTANT:
RELIABLE CONSULTING ENGINEERS
 87, SECTOR -30, GURGAON-122001, HARYANA
 Email-rce8730@gmail.com

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☐ ADVANCE COPY	☐ CONSTRUCTION

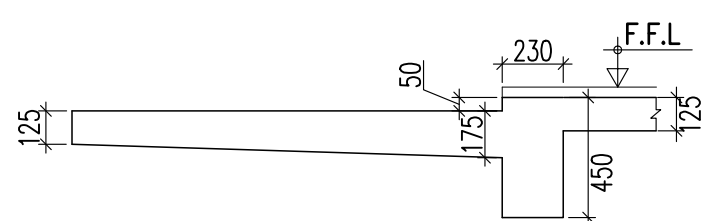


FRAMING PLAN AT TYPICAL FLOOR LVL. (BLOCK-F)

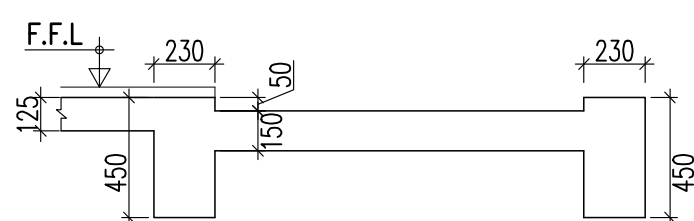
ALL BEAMS ARE 230x450 THK. (U.N.O.)
ALL SLABS ARE 125mm THK. (U.N.O.)



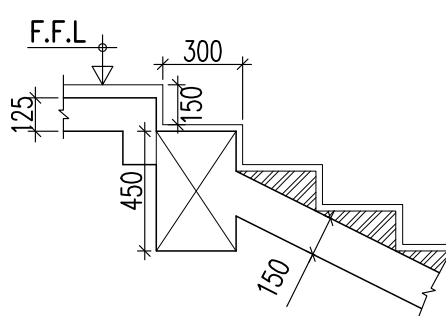
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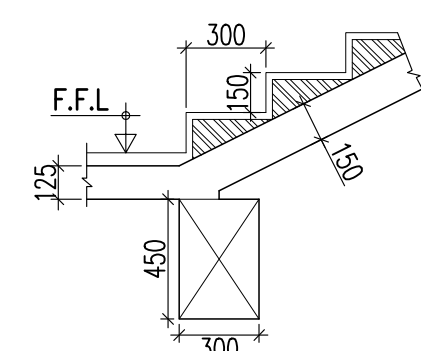
SEC-2



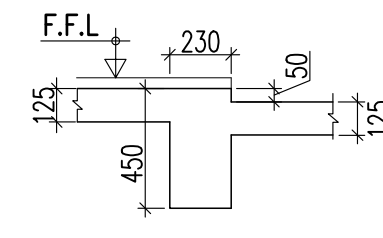
SEC-3



SEC-4



SEC-5



SEC-6

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3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS & OPENINGS WITH RELEVANT ARCH. DRGS.
5. THE REINFORCEMENT SHALL BE COLDTWISTED DEFORMED BARS (C.T.D) OR T.M.T. BARS HAVING YIELD STRENGTH NOT LESS THAN 550(SD) N/mm² AND CONFORMING TO I.S. 1786 - 1979.
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 - (f) RETAINING WALL : 30 MM

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8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED.

9.
 - INDICATES BOTTOM BARS
 - INDICATES TOP BARS
 - OPENING IN STRUCTURAL ELEMENT
 - P.C.C WORK
 - BRICK WORK

10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND CURED THOROUGHLY AS PER I.S 456-LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN.
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS: 456. SPACER BARS 10mm.
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRGS. & IN CASE OF ANY DISCREPANCY ARCHITECT'S DRGS. SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIS OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DRG UNLESS OTHERWISE SHOWN.
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17. ALL ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS: 8@200 c/c (8")
19. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.C.C. 1:4:8.

RO	12-02-2025	FOR SUBMISSION
REV.NO.	DATE	REVISION

PROJECT:

PROPOSED GROUP HOUSING AT
KHASRA NO :-
205,206,207,208,209,210/679,
216,217,218,215/693,215/699, AT
VILLAGE TAPUKARA, TEH.- TIJARA
TIJARA ROAD, DISTT.-ALWAR (RAJ.)

DRAWING TITLE:	DWG NO.
FRAMING PLAN AT TYPICAL FLOOR LVL. (BLOCK-F)	ST-16
DRAWN BY:-	JAKHAR
DESIGN BY:-	S.A
CHECK BY:-	S.A
ARCHITECTS:	

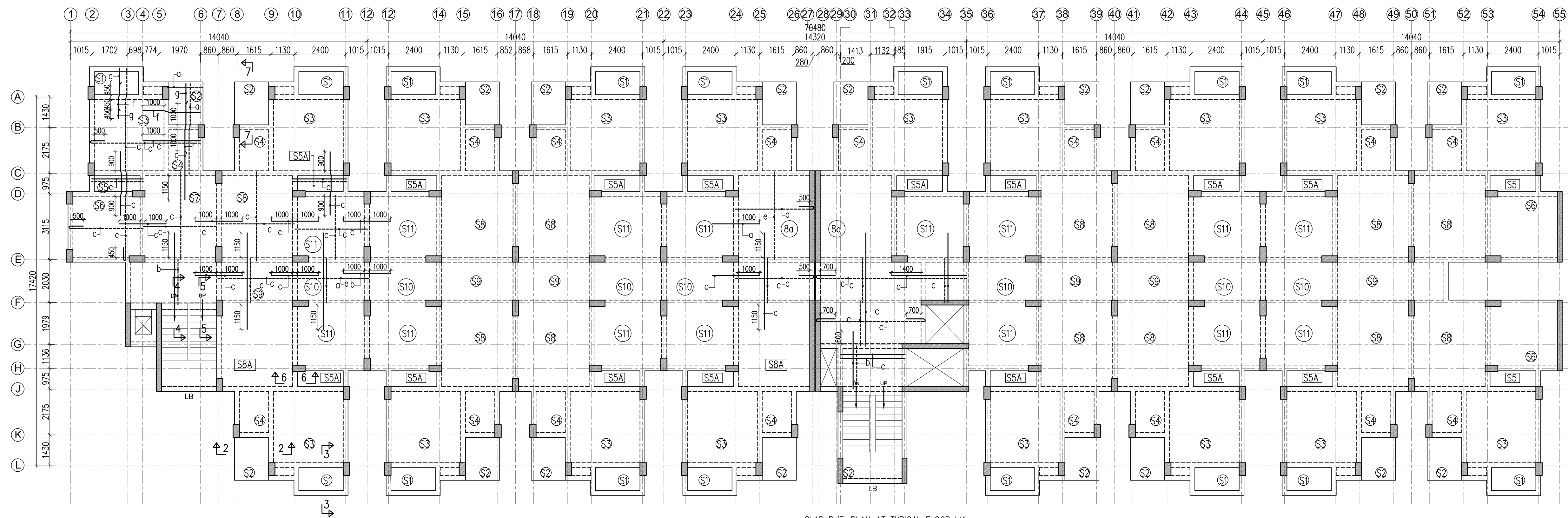
NISARG TREHAN

ARCHITECTURE AND INTERIORS
SECTOR-38, GURGAON-122001, HARYANA

STRUCTURAL CONSULTANT:	
RELIABLE CONSULTING ENGINEERS	
87, SECTOR -30, GURGAON-122001, HARYANA	
Email-rce8730@gmail.com	

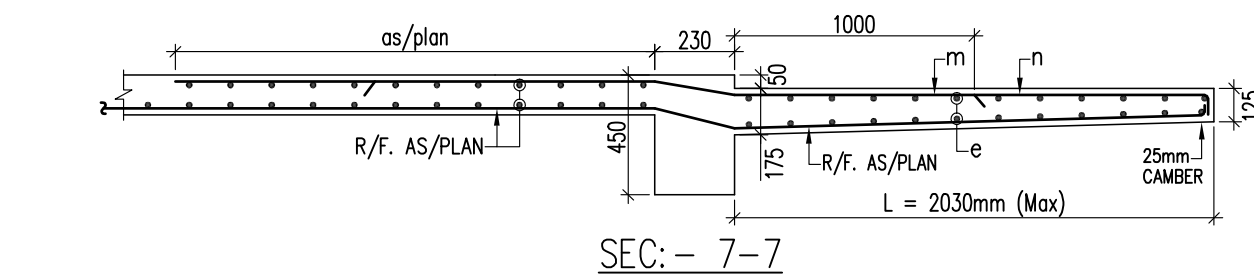
DRAWING RELEASED FOR:	
☐ APPROVAL	☒ SUBMISSION
☐ ADVANCE COPY	☐ CONSTRUCTION

Rakesh
Rakesh Kumar 17.2.2025
B.E. (Civil), M.S. (Structures)
Chartered Engineer
FIE-1293156, FIV-17032
Reliable Consulting Engineers
87, Sector-30, Gurugram (HR.)

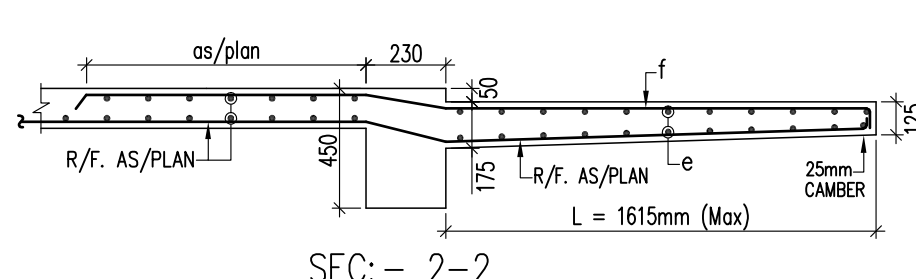


SLAB R/F. PLAN AT TYPICAL FLOOR LVL.
ALL DISTRIBUTION BARS SHALL BE 8@200c/c (U.N.O)
ALL SLABS ARE 125mm THK. (U.N.O)

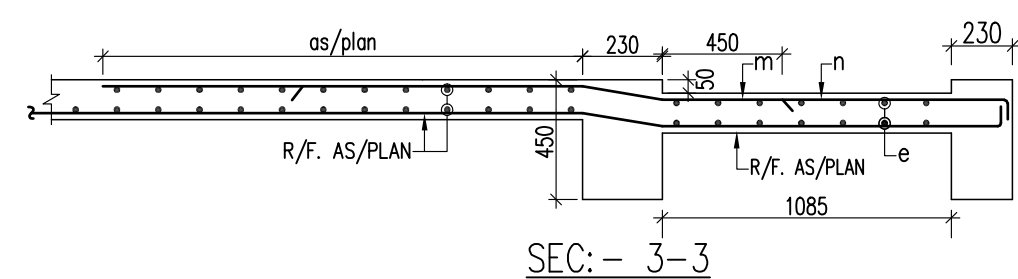
(MARK)	(DESCRIPTION)
a	8@100c/c
b	8@150c/c
c	8@200c/c
d	10@100c/c



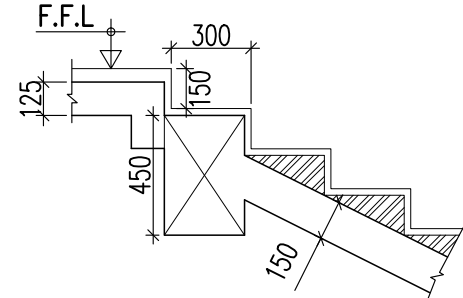
SEC-1



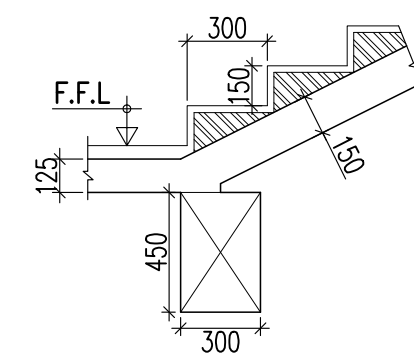
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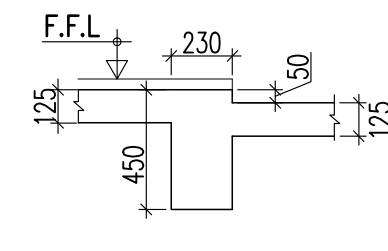
SEC-3



SEC-4



SEC-5



SEC-6

GENERAL NOTES:-

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2. ALL DIMENSIONS & LEVELS ARE IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS & OPENINGS WITH RELEVANT ARCH. DRGS.
5. THE REINFORCEMENT SHALL BE COLDTWISTED DEFORMED BARS (C.T.D) OR T.M.T. BARS HAVING YIELD STRENGTH NOT LESS THAN 550(SD) N/mm² AND CONFORMING TO I.S. 1786 - 1979.
6. GRADE OF CONCRETE SHALL BE M30.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:-
 - (a) FOOTING : 50 MM
 - (b) COLUMN : 40 MM
 - (c) BEAM : 25 MM
 - (d) SLAB : 20 MM
 - (e) SHEAR WALL : 30 MM
 - (f) RETAINING WALL : 30 MM

NOMINAL COVER IS THE DEPTH OF CONCRETE COVER TO ALL STEEL REINFORCEMENT INCLUDING LINKS/ TIES/ STIRRUPS.

8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED.

9.
 - INDICATES BOTTOM BARS
 - INDICATES TOP BARS
 - OPENING IN STRUCTURAL ELEMENT
 - P.C.C WORK
 - BRICK WORK

10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND CURED THOROUGHLY AS PER I.S 456-LATEST.

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RO	12-02-2025	FOR SUBMISSION
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VILLAGE TAPUKARA, TEH.- TIJARA
TIJARA ROAD, DISTT.-ALWAR (RAJ.)

DRAWING TITLE: SLAB DETAIL AT TYPICAL FLOOR LVL. (BLOCK-F)	DWG NO. ST-17
DRAWN BY:- JAKHAR	SCALE:- N.T.S
DESIGN BY:- S.A	DATE:- 12-02-2025
CHECK BY:- S.A	PROJECT NO:- 4743

ARCHITECTS:

NISARG TREHAN

ARCHITECTURE AND INTERIORS
SECTOR-38, GURGAON-122001, HARYANA

STRUCTURAL CONSULTANT:

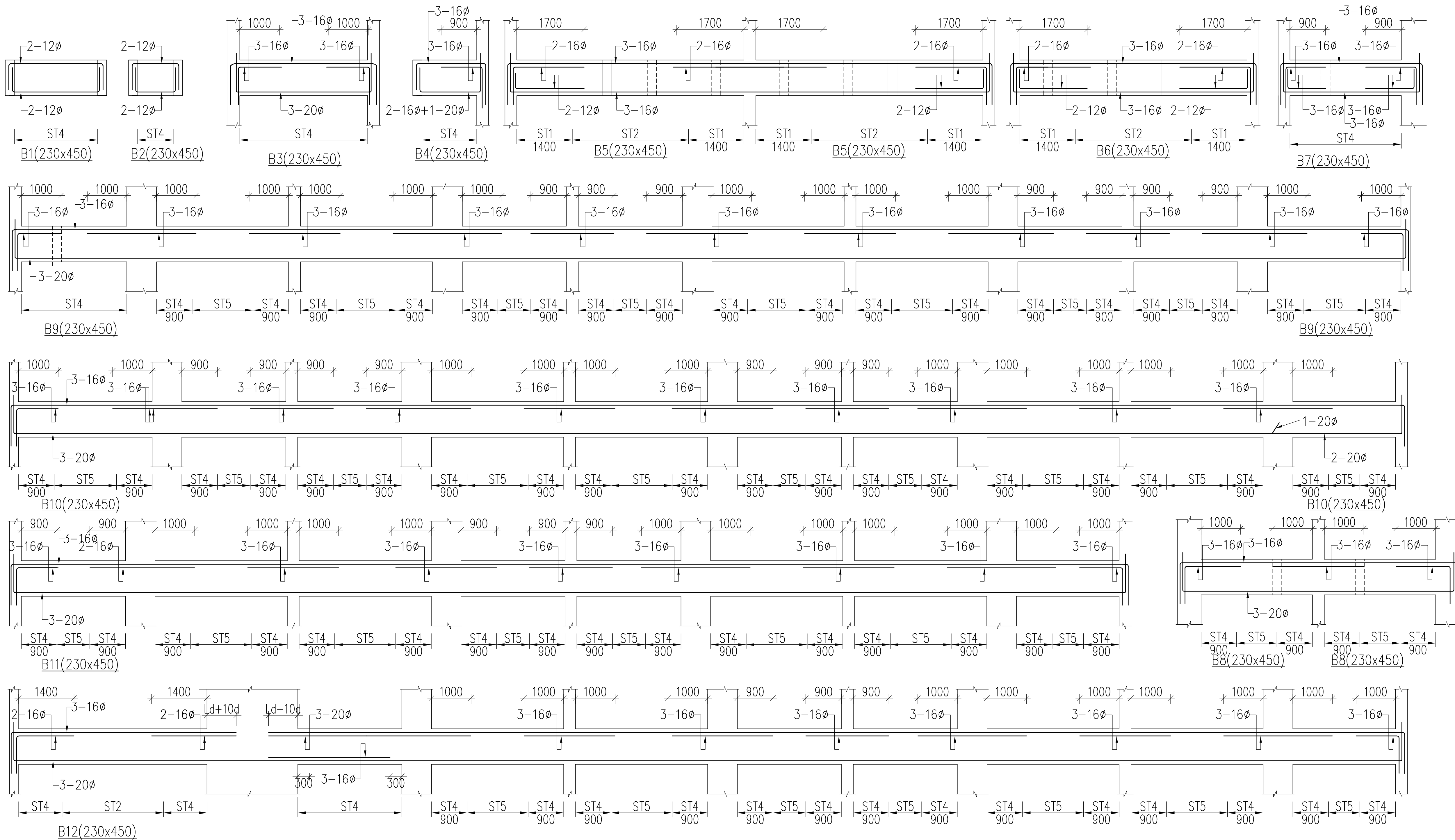
RELIABLE CONSULTING ENGINEERS

87, SECTOR -30, GURGAON-122001, HARYANA
Email-rce8730@gmail.com

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| ☐ ADVANCE COPY | ☐ CONSTRUCTION |

Rakesh
Rakesh Kumar ~ 17.2.2025
B.E. (Civil), M.S. (Structures)
Chartered Engineer
FIE-1293156, FIV-17032
Reliable Consulting Engineers
87, Sector-30, Gurugram (HR.)

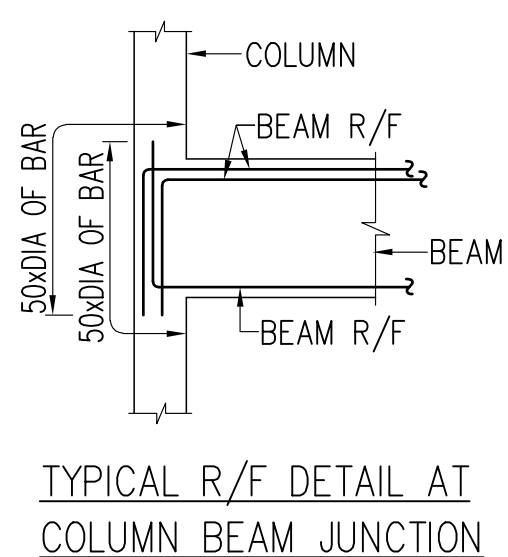


LAP LENGTH FOR
Fe-550 & M-30 IN
COMPRESSION ZONE

DIA OF BAR	LENGTH IN mm
25	1000
20	800
16	640
12	480
10	400
8	320

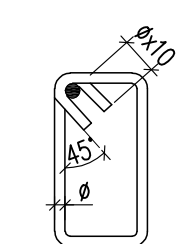
LAP LENGTH FOR
Fe-550 & M-30
IN TENSION ZONE

DIA OF BAR	LENGTH IN mm
25	1250
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10	500
8	400

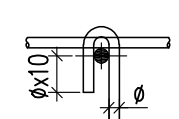


(STIRRUPS SCHEDULE)

(MARK)	(DESCRIPTION)
ST1	8 ϕ -(2L)@100c/c
ST2	8 ϕ -(2L)@150c/c
ST3	8 ϕ -(2L)@200c/c
ST4	10 ϕ -(2L)@100c/c
ST5	10 ϕ -(2L)@150c/c
ST6	10 ϕ -(2L)@200c/c



TYPICAL CLOSED
HOOK DETAIL



TYPICAL OPEN
HOOK DETAIL

Rakesh
Rakesh Kumar ~ 17.2.2025
B.E. (Civil), M.S. (Structures)
Chartered Engineer
FIE-1293156, FIV-17032
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9.
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 - INDICATES TOP BARS
 - OPENING IN STRUCTURAL ELEMENT
 - P.C.C WORK
 - BRICK WORK
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RO	12-02-2025	FOR SUBMISSION
REV.NO.	DATE	REVISION

PROJECT:

PROPOSED GROUP HOUSING AT
KHASRA NO :-
205,206,207,208,209,210/679,
216,217,218,215/693,215/699,AT
VILLAGE TAPUKARA, TEH.- TIJARA
TIJARA ROAD, DISTT.-ALWAR (RAJ.)

DRAWING TITLE: BEAM DETAIL AT TYPICAL FLOOR LVL. (BLOCK-F)	DWG NO. ST-18
DRAWN BY:- JAKHAR	SCALE:- N.T.S
DESIGN BY:- S.A	DATE:- 12-02-2025
CHECK BY:- S.A	PROJECT NO:- 4743

ARCHITECTS:

NISARG TREHAN

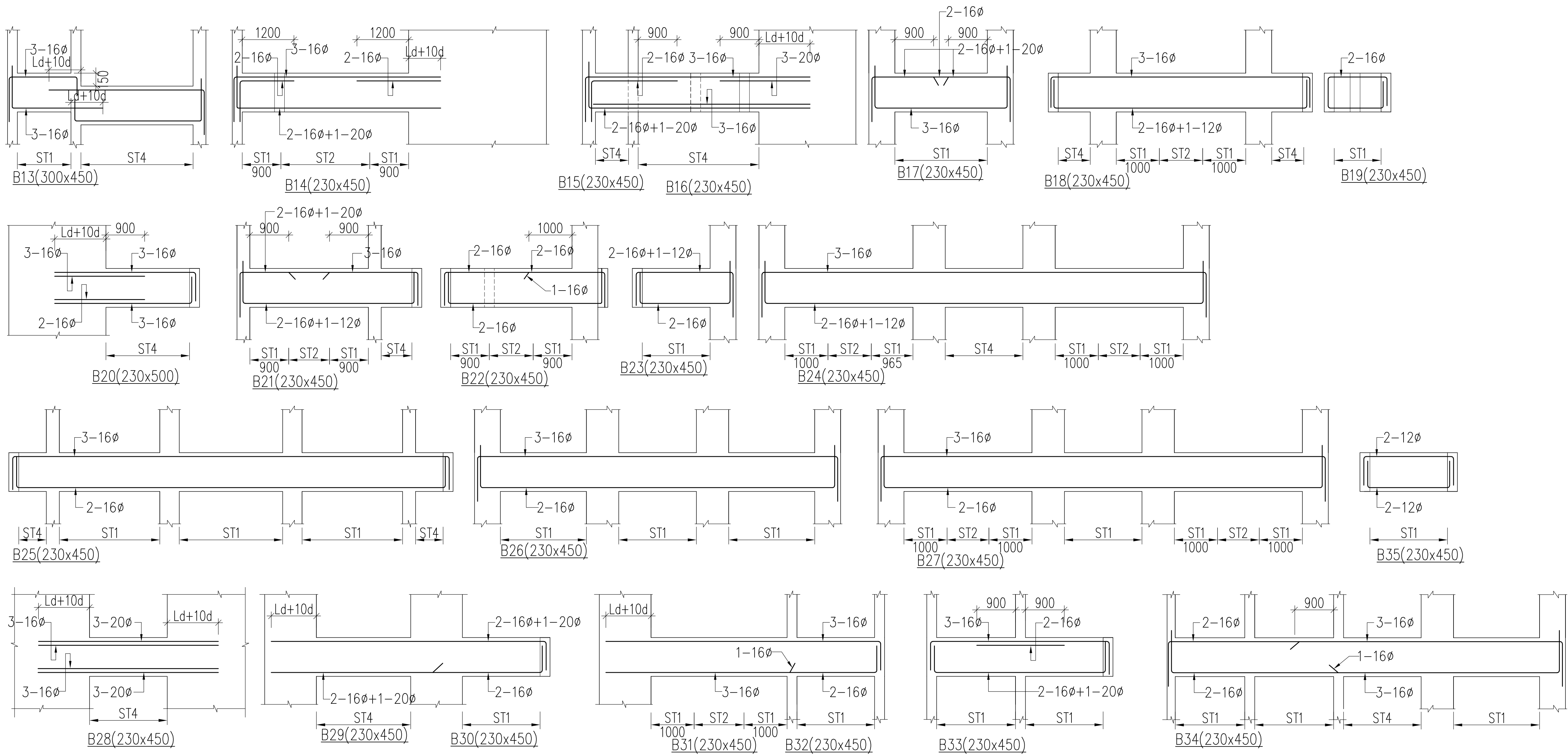
ARCHITECTURE AND INTERIORS
SECTOR-38, GURGAON-122001, HARYANA

STRUCTURAL CONSULTANT:

RELIABLE CONSULTING ENGINEERS
87, SECTOR -30, GURGAON-122001, HARYANA
Email-rce8730@gmail.com

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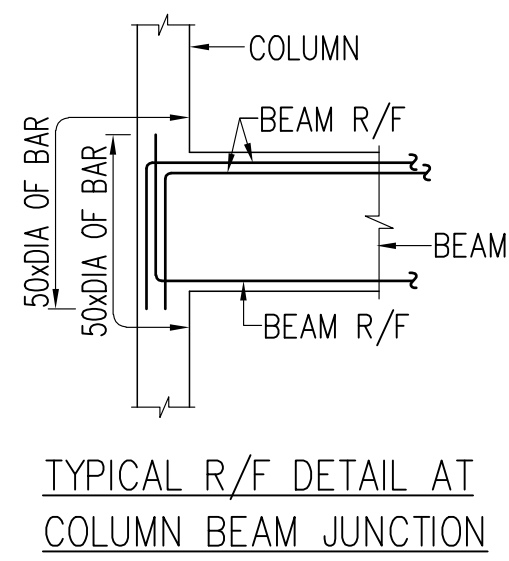


LAP LENGTH FOR
Fe-550 & M-30 IN
COMPRESSION ZONE

DIA OF BAR	LENGTH IN mm
25	1000
20	800
16	640
12	480
10	400
8	320

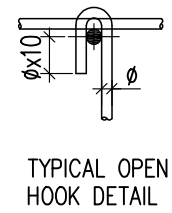
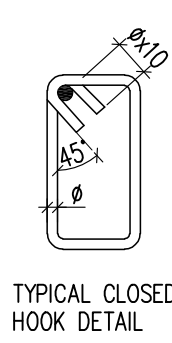
LAP LENGTH FOR
Fe-550 & M-30
IN TENSION ZONE

DIA OF BAR	LENGTH IN mm
25	1250
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8	400



(STIRRUPS SCHEDULE)

(MARK)	(DESCRIPTION)
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ST3	8 ϕ -(2L)@200c/c
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ST5	10 ϕ -(2L)@150c/c
ST6	10 ϕ -(2L)@200c/c



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-----	INDICATES TOP BARS
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KHASRA NO :-
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VILLAGE TAPUKARA, TEH.- TIJARA
TIJARA ROAD, DISTT.-ALWAR (RAJ.)

DRAWING TITLE:	DWG NO.
BEAM DETAIL AT TYPICAL FLOOR LVL. (BLOCK-F)	ST-19

DRAWN BY:-	JAKHAR	SCALE:-	N.T.S
DESIGN BY:-	S.A	DATE:-	12-02-2025
CHECK BY:-	S.A	PROJECT NO:-	4743

ARCHITECTS:

NISARG TREHAN

ARCHITECTURE AND INTERIORS
SECTOR-38, GURGAON-122001, HARYANA

STRUCTURAL CONSULTANT:

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