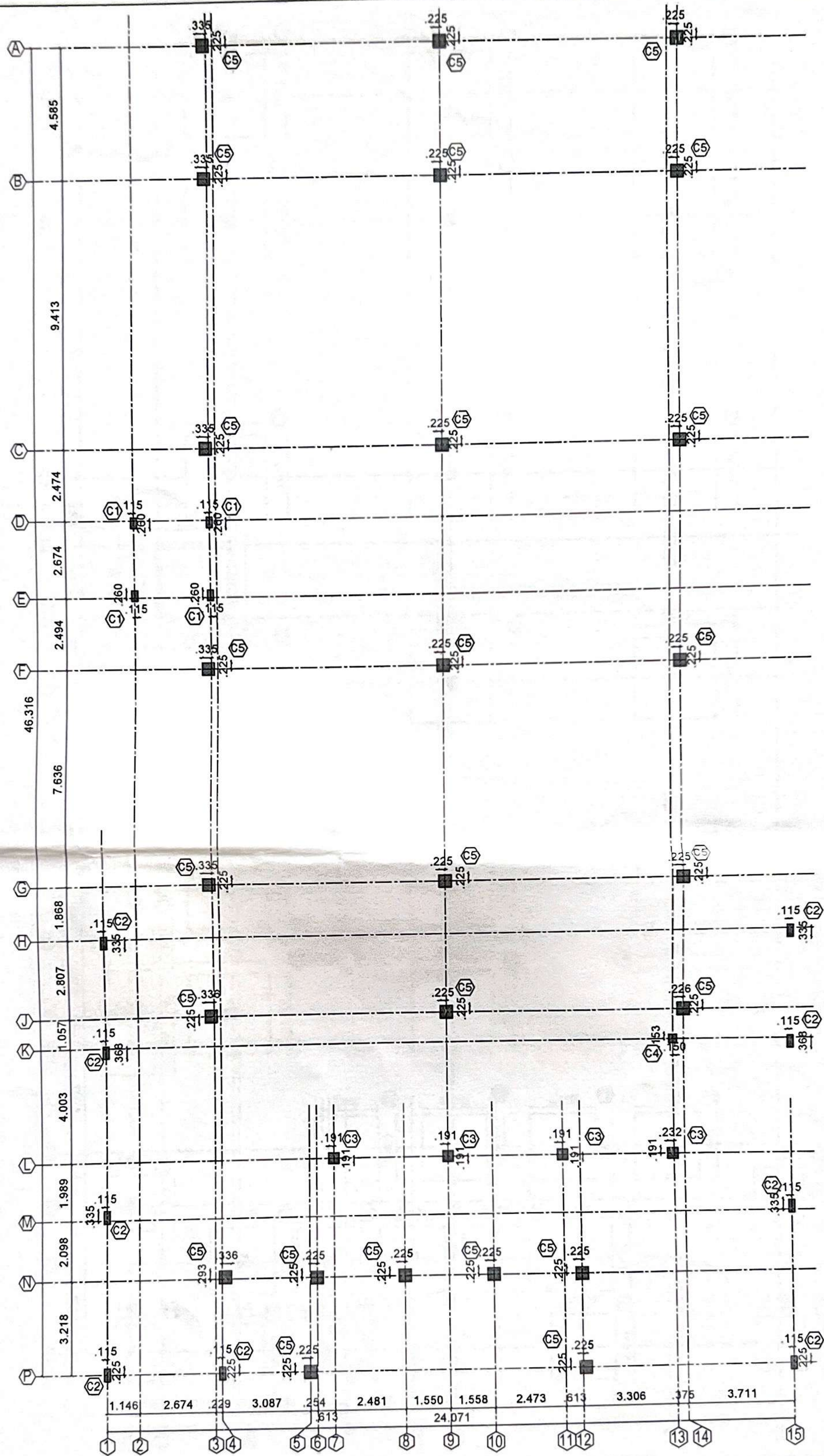


PLAN SHOWING THE ADDITION AND ALTERATION OF A
EXISTING COMMERCIAL SHOP BUILDING AT , SRI LAKSHMI
COMPLEX IN S.NO: 159/2A1C PART, AS PER PATTA S.NO:
159 /9, PADIYA NALLUR VILLAGE, PONNERI TALUK,
THIRUVALLUR DISTRICT. (SHOLAVARAM PANCHAYAT)



GENERAL NOTES :

- ALL DIMENSIONS ARE IN INC.
- THIS DRG SHOULD READ ALONG CONJUNCTION WITH RESPECTIVE ARCH.DRG
- CLEAR COVER TO MAIN REINFORCEMENT BARS

FOR FOOTING :	75MM
FOR COLUMN :	40MM
FOR BEAM :	30MM
FOR SLAB :	20MM
FOR RC WALL :	30MM
- GRADE OF CONCRETE M20 -(1:1.5:3)(AS PER IS 456-2000)
- STEEL GRADE FOR = Fe 500
- COLUMN LAP LENGTH : 50 TIMES DIA OF BAR
- LAP LENGTH OF ALL BARS SHOULD BE 50 TIMES THE DIA OF THE BAR
- BUILDINGS ARE CONSIDERED FOR DESIGN FOR G+1 FLOORS

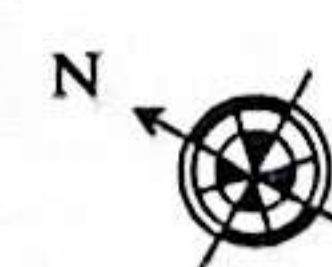
9.REMOVAL OF FORM WORKS

- | | |
|-------------------------|----------------------|
| FOR COLUMNS | 24 HRS AFTER CASTING |
| FOR ROOF BEAM SIDE | 24 HRS AFTER CASTING |
| FOR ROOF BEAM BOTTOM :- | 14 DAY AFTER CASTING |
| CLEAR SPAN LESS THAN 6M | 21 DAY AFTER CASTING |
| CLEAR SPAN MORE THAN 6M | |

10.STABILITY OF THE FRAMEWORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

KAV STRUCTURAL DESIGN CONSULTANT
D. KABILAN, M.Tech(Struct)
 CMDA REGISTER No: (SE/GR-II/19/04/04)
 PL. No.13, SHIRIDI SAI NAGAR,
 POONAMALLEE, CHENNAI-56.
 Cell: 98843 99903

NORTH POINT :-



PROJECT:

PLAN SHOWING THE ADDITION AND ALTERATION OF A EXISTING COMMERCIAL SHOP BUILDING AT, SRI LAKSHMI COMPLEX IN S NO 159/2A/C PART, AS PER PATTAS NO 159/9, PADIYA NALLUR VILLAGE, PONNERI TALUK, THIRUVALLUR DISTRICT (SHOLAVARAM PANCHAYAT)

ARCHITECTS

CLIENT:

MR. M. BALAJI SARAVANAN

DRAWING TITLE:

COLUMN LAYOUT

SCALE :-

DATE : 24.06.23

DRAWING NO

STR / 001 / 23

K A V STRUCTURAL CONSULTANT

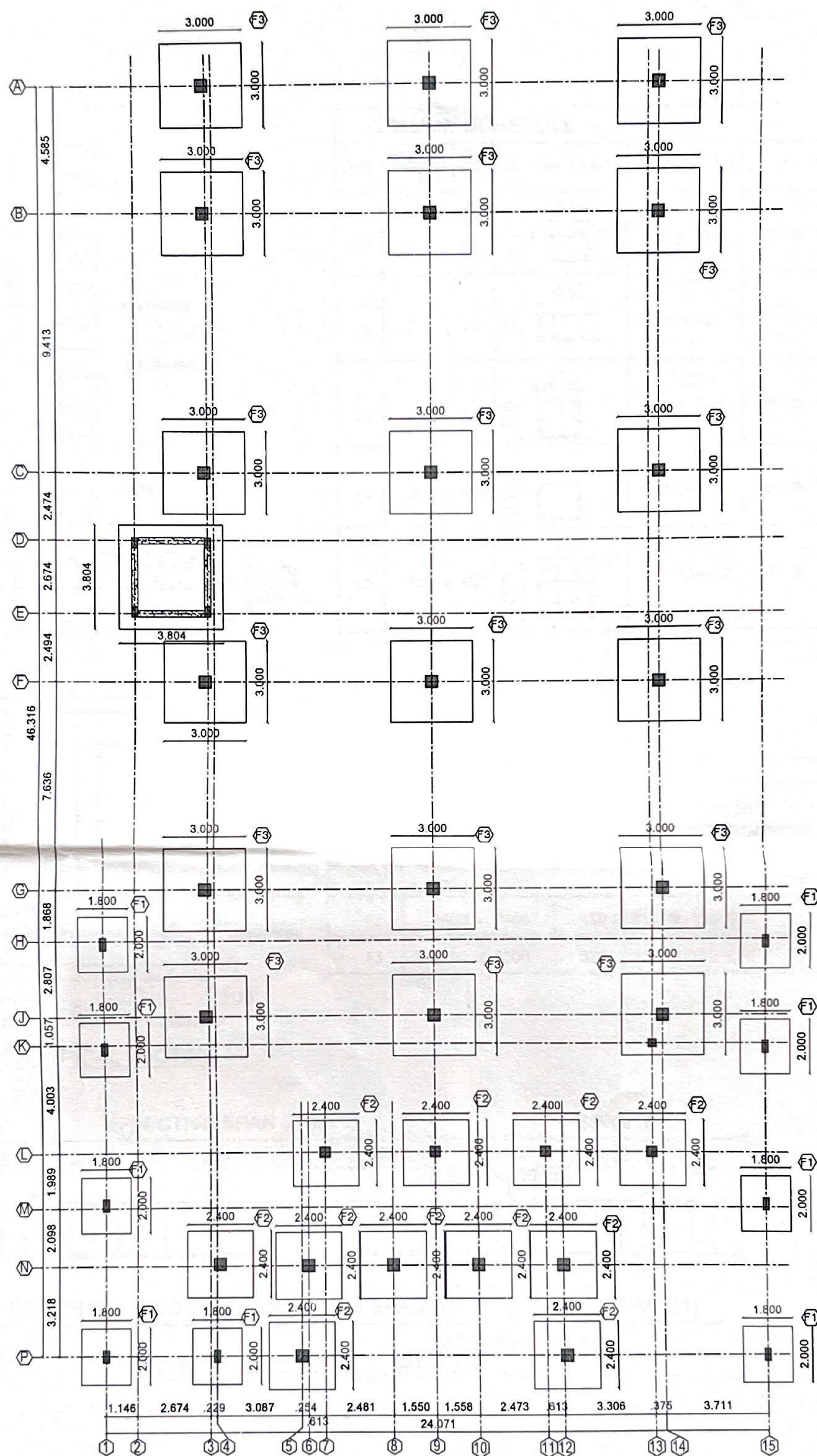
D.KABILAN M.TECH

CELL NO: 9884399903

kabilan2920@gmail.com

REV

R1



GENERAL NOTES

1. ALL DIMENSIONS ARE IN INC.
2. THIS DRG SHOULD READ ALONG CONJUNCTION WITH RESPECTIVE ARCH.DRG
3. CLEAR COVER TO MAIN REINFORCEMENT BARS
 FOR FOOTING : 75MM
 FOR COLUMN : 40MM
 FOR BEAM : 30MM
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 FOR RC WALL : 30MM
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9.REMOVAL OF FORM WORKS

- FOR COLUMNS 24 HRS AFTER CASTING
- FOR ROOF BEAM SIDE 24 HRS AFTER CASTING
- FOR ROOF BEAM BOTTOM :-
 CLEAR SPAN LESS THAN 6M 14 DAY AFTER CASTING
 CLEAR SPAN MORE THAN 6M 21 DAY AFTER CASTING

10. STABILITY OF THE FRAMEWORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

KAV STRUCTURAL DESIGN CONSULTANT
 D. KABILAN, M.Tech (Structl.)
 CMDA REGISTER No: (SE/GR-II/19/04/047)
 PL. No.13, SHIRIDI SAI NAGAR,
 POCHAMAI LEE, CHENNAI-56.
 Cell: 98843 99903

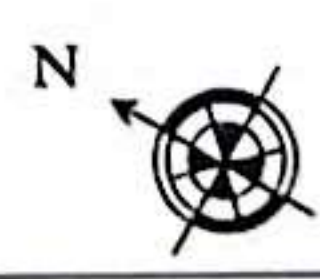
REV.	DESCRIPTION	DATE	BY	CHKD.
01	ISSUED FOR CONSTRUCTION	24.06.23	SKN	SKN

ARCHITECTS

CLIENT:

MR. M. BALAJI SARAVANAN

NORTH POINT -



PROJECT:

PLAN SHOWING THE ADDITION AND ALTERATION OF A EXISTING COMMERCIAL SHOP BUILDING AT SRI LAKSHMI COMPLEX IN S.NO 159/2A/C PART, AS PER PATTAS NO. 159/9, PADIYA NALLUR VILLAGE, PONNERI TALUK, THIRUVALLUR DISTRICT (SHOLAVARAM PANCHAYAT)

DRAWING TITLE
FOOTING LAYOUT

SCALE :-

DATE : 24.06.23

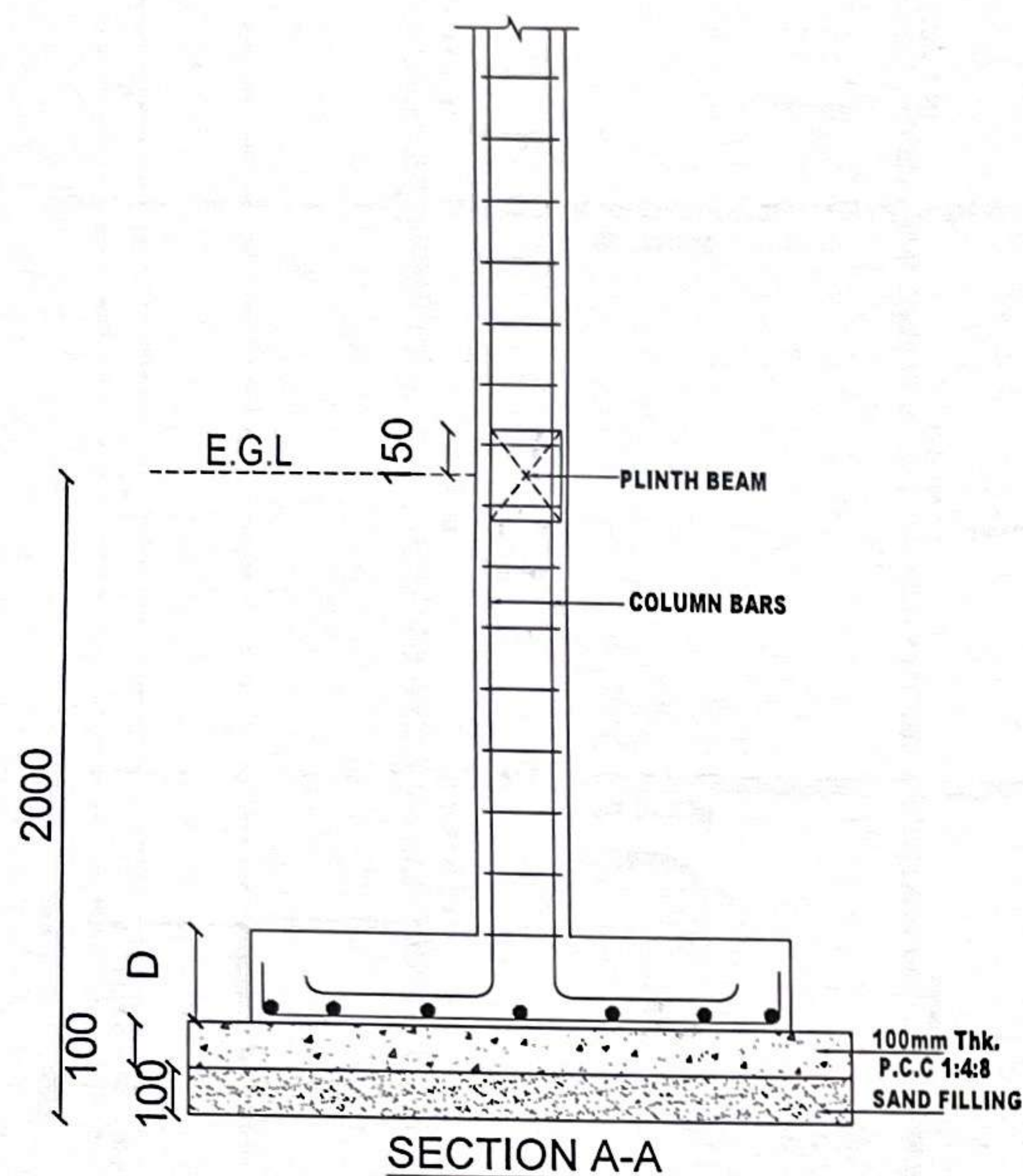
DRAWING NO:
STR/002/23

K A V STRUCTURAL CONSULTANT

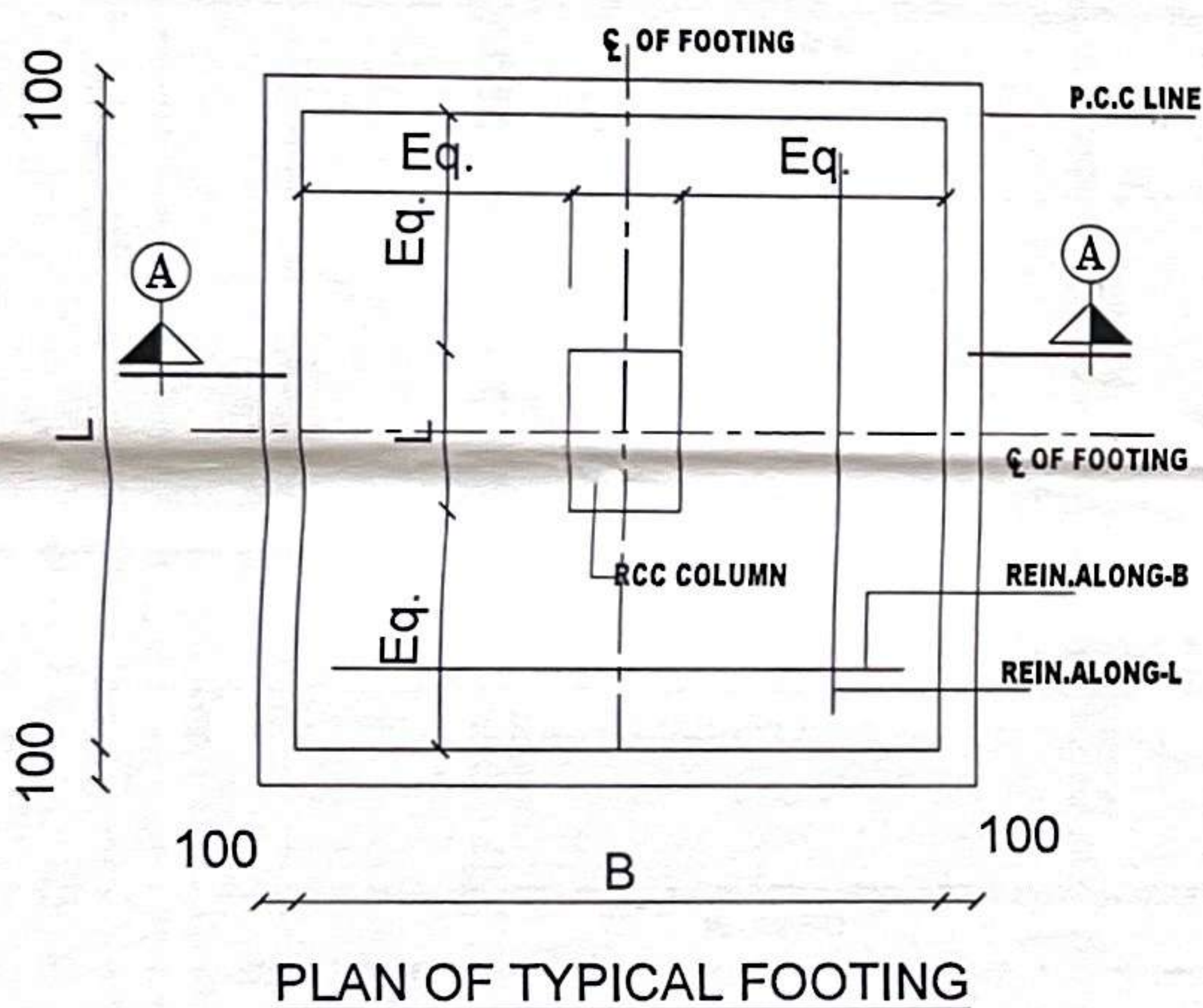
D.KABILAN M.TECH
CELL NO 9884399903
kabilan2920@gmail.com

REV

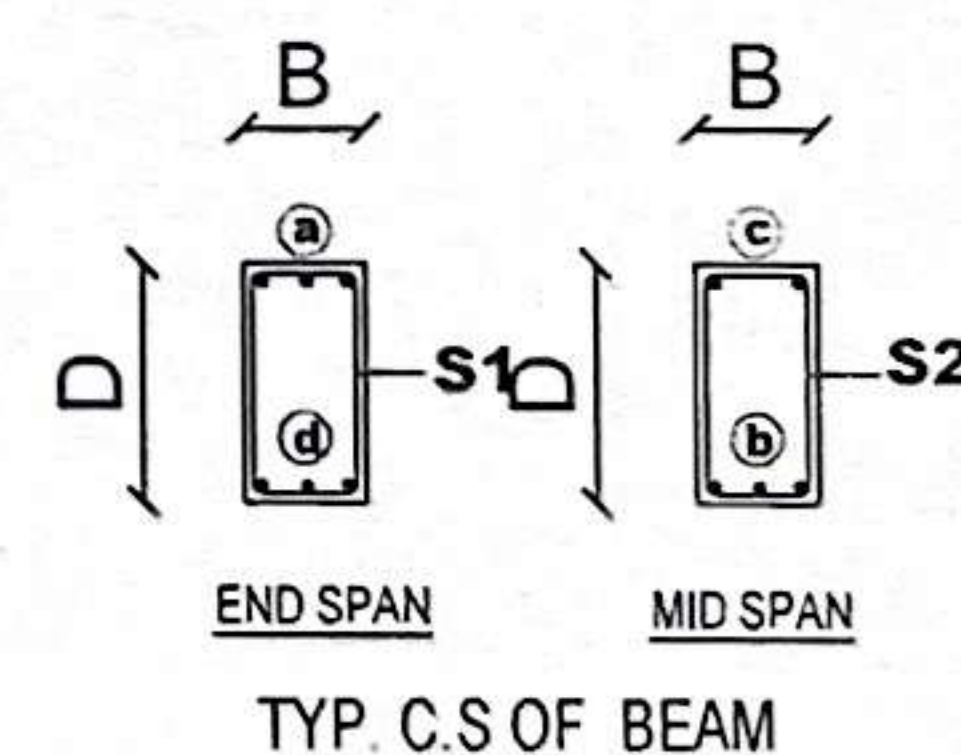
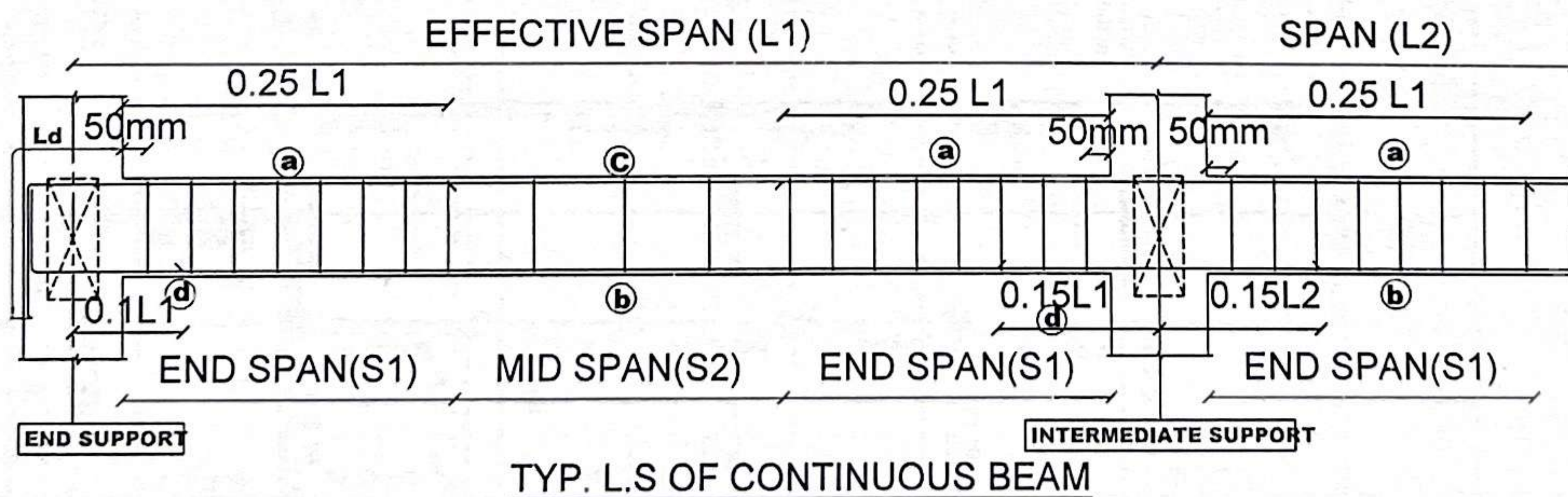
R1



COLUMN SCHEDULE					
TYPE	COLUMN SIZE b x l	COLUMN SHAPE	COLUMN REIN.	COLUMN BINDERS	STIRRUP
C1	230 x 375		8-16Y	8Y @ 150 C/C	
C2	230 x 450		8-16Y	8Y @ 150 C/C	
C3	375 x 375		8-16Y	8Y @ 150 C/C	
C4	300 x 300		8-16Y	8Y @ 150 C/C	
C5	450 x 450		12-20Y	8Y @ 150 C/C	



FOOTING SCHEDULE				
FOOTING NO	FOOTING SIZE L X B	DEPTH mm	REINFORCEMENT	
			ALONG LENGTH ' L '	ALONG LENGTH ' B '
F1	1800 x 2000	450	Y10 @ 150 C/C	Y10 @ 150 C/C
F2	2400 x 2400	450	Y10 @ 150 C/C	Y10 @ 150 C/C
F3	3000 x 3000	525	Y12 @ 150 C/C	Y12 @ 150 C/C



GENERAL NOTES:

- ALL DIMENSIONS ARE IN CM.
- THIS DRG SHOULD READ ALONG CONJUNCTION WITH RESPECTIVE ARCH.DRG
- CLEAR COVER TO MAIN REINFORCEMENT BARS
FOR FOOTING : 75MM
FOR COLUMN : 40MM
FOR BEAM : 30MM
FOR SLAB : 20MM
FOR RC WALL : 30MM
- GRADE OF CONCRETE M20 -(1:1.5:3)(AS PER IS 456-2000)
- STEEL GRADE FOR = Fe 500
- COLUMN LAP LENGTH : 50 TIMES DIA OF BAR
- LAP LENGTH OF ALL BARS SHOULD BE 50 TIMES THE DIA OF THE BAR
- BUILDINGS ARE CONSIDERED FOR DESIGN FOR G+1 FLOORS

9.REMOVAL OF FORM WORKS
FOR COLUMNS 24 HRS AFTER CASTING
FOR ROOF BEAM SIDE 24 HRS AFTER CASTING
FOR ROOF BEAM BOTTOM :- 14 DAY AFTER CASTING
CLEAR SPAN LESS THAN 6M
CLEAR SPAN MORE THAN 6M 21 DAY AFTER CASTING

10.STABILITY OF THE FRAMEWORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

KAV STRUCTURAL DESIGN CONSULTANT
D. KABILAN, M.Tech(Struct),
CMDA REGISTER No: (SE/GR-II/19/04/047)
PL. No.13, SHIRIDI SAI NAGAR
POONAMALLEE, CHENNAI-58.
Cell: 98843 99903

REV.	DESCRIPTION	DATE	BY	CHKD.
R1	ISSUED FOR CONSTRUCTION	24.06.23	SKM	SKM

ARCHITECTS
CLIENT:
MR. M. BALAJI SARAVANAN

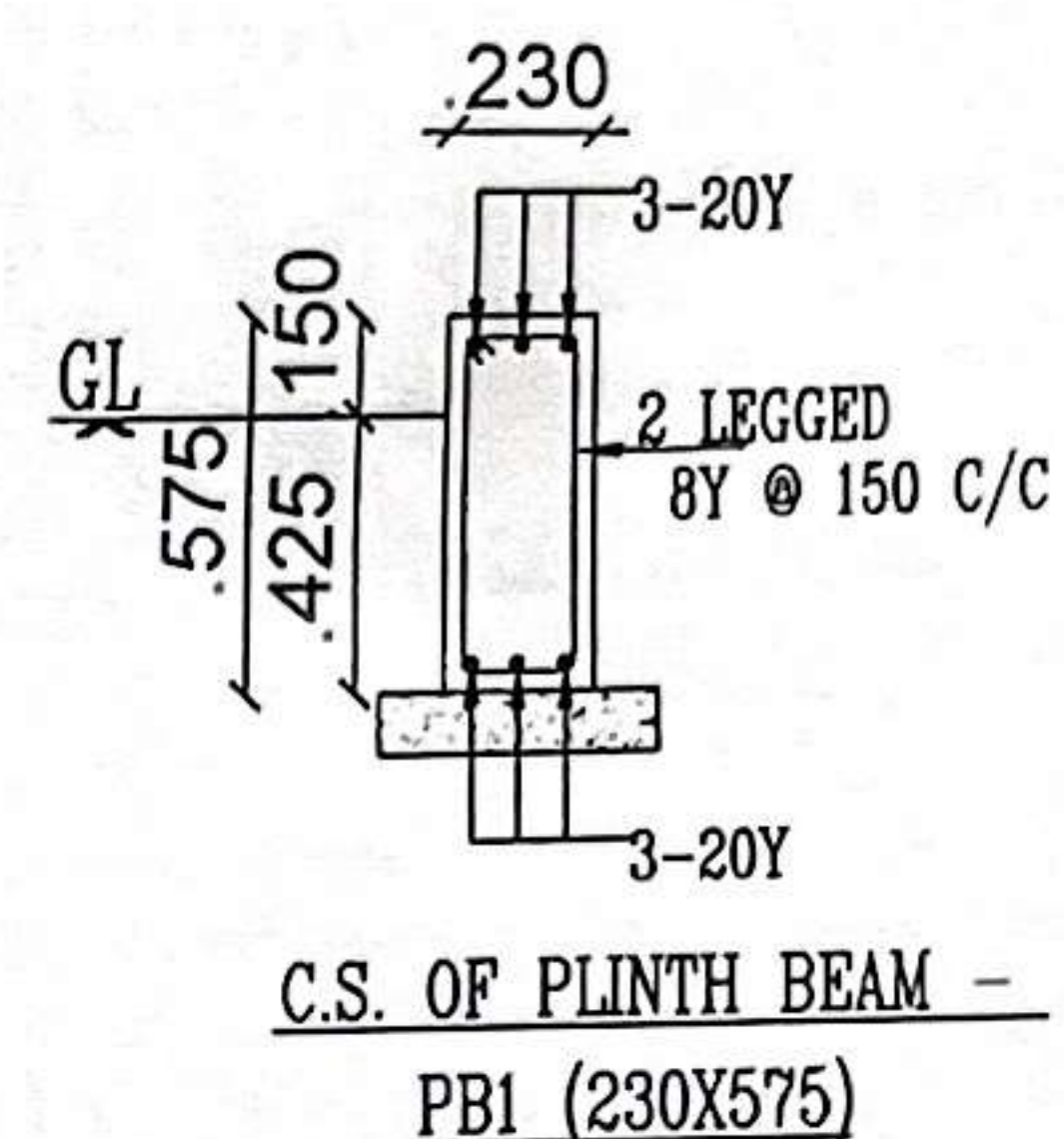
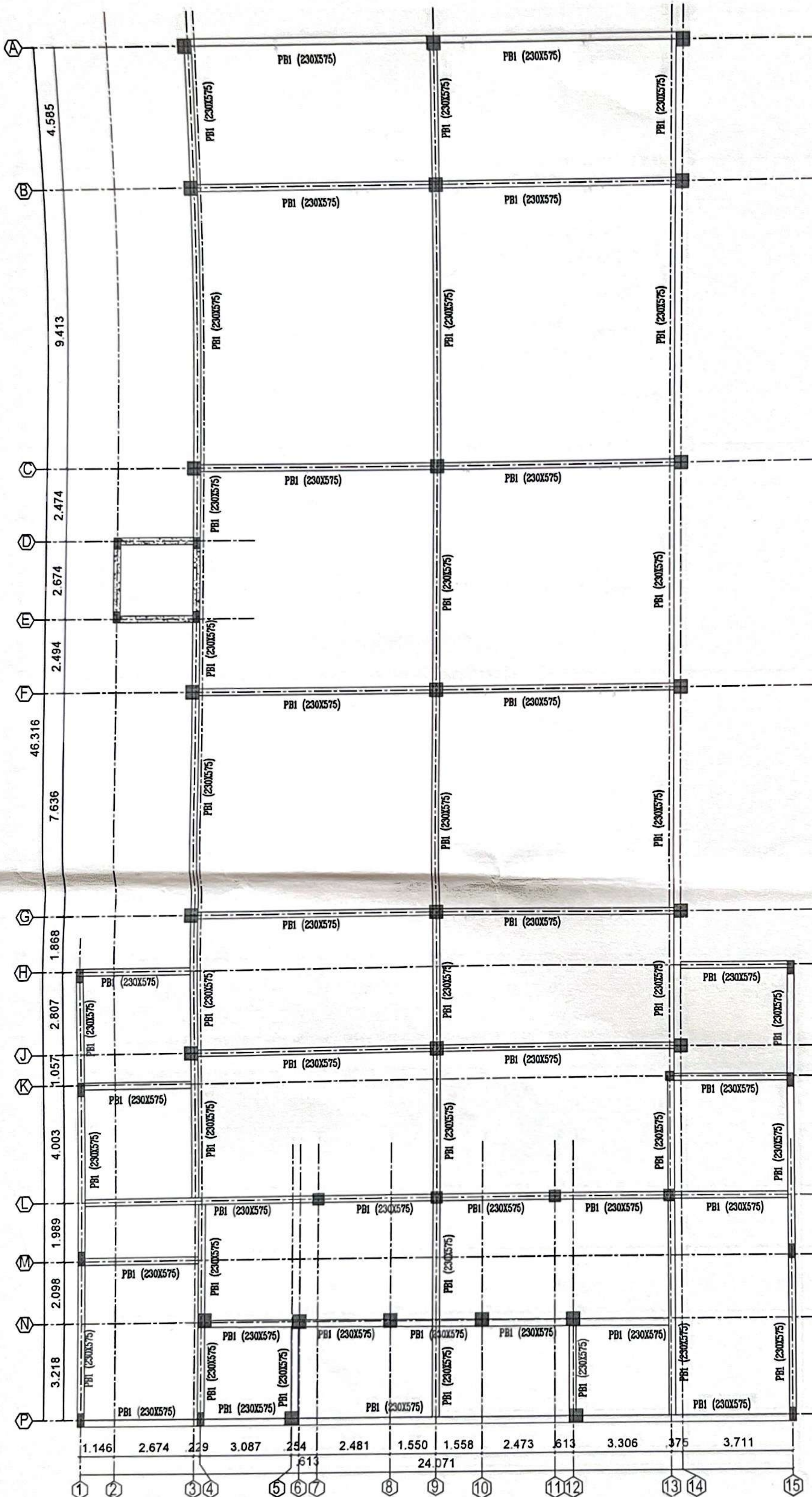
NORTH POINT :-
N
PROJECT:
PLAN SHOWING THE ADDITION AND ALTERATION OF A EXISTING COMMERCIAL SHOP BUILDING AT, SRI LAKSHMI COMPLEX IN S.NO. 159/2A1C PART, AS PER PATTI S.NO. 159/9, PADIYA NALLUR VILLAGE, PONNERI TALUK, THIRUVALLUR DISTRICT. (SHOLAVARAM PANCHAYAT)

DRAWING TITLE:
FOOTING & COLUMN DETAILS

SCALE :-	DRAWN :-	REV
DATE : 24.06.23	CHKD :-	R1

DRAWING NO:
STR / 003 / 23

K A V STRUCTURAL CONSULTANT
D.KABILAN M.TECH
CELL NO:9884399903
kabilan2920@gmail.com



- GENERAL NOTES:**
- ALL DIMENSIONS ARE IN INC.
 - THIS DRG SHOULD READ ALONG CONJUNCTION WITH RESPECTIVE ARCH.DRG
 - CLEAR COVER TO MAIN REINFORCEMENT BARS
FOR FOOTING : 75MM
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- REMOVAL OF FORM WORKS
FOR COLUMNS 24 HRS AFTER CASTING
FOR ROOF BEAM SIDE 24 HRS AFTER CASTING
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CLEAR SPAN LESS THAN 6M 14 DAY AFTER CASTING
CLEAR SPAN MORE THAN 6M 21 DAY AFTER CASTING
- STABILITY OF THE FRAMEWORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

KAV STRUCTURAL DESIGN CONSULTANT
D. KABILAN, M.Tech (Struct.)
CMDA REGISTER No: (SE/GR-II/19/04/047)
PL. No 13, SHIRIDI SAI NAGAR,
POONAMALLEE, CHENNAI-58.
8843 99903

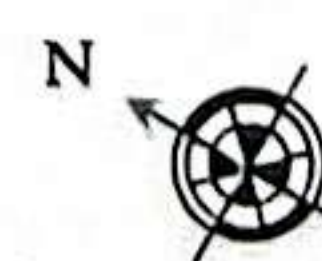
REV	DESCRIPTION	DATE	BY	CHKD
01	ISSUED FOR CONSTRUCTION	24.06.23	DKM	DKM

ARCHITECTS

CLIENT:

MR. M. BALAJI SARAVANAN

NORTH POINT :-



PROJECT:

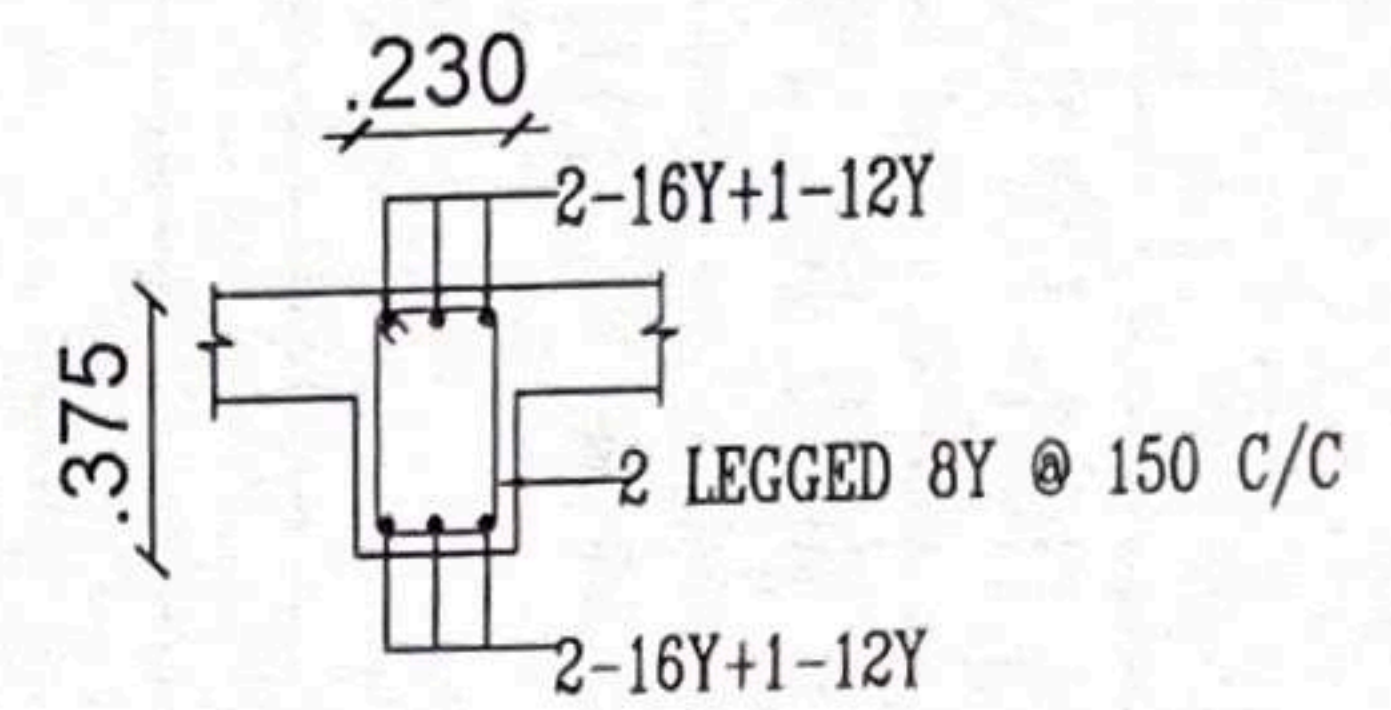
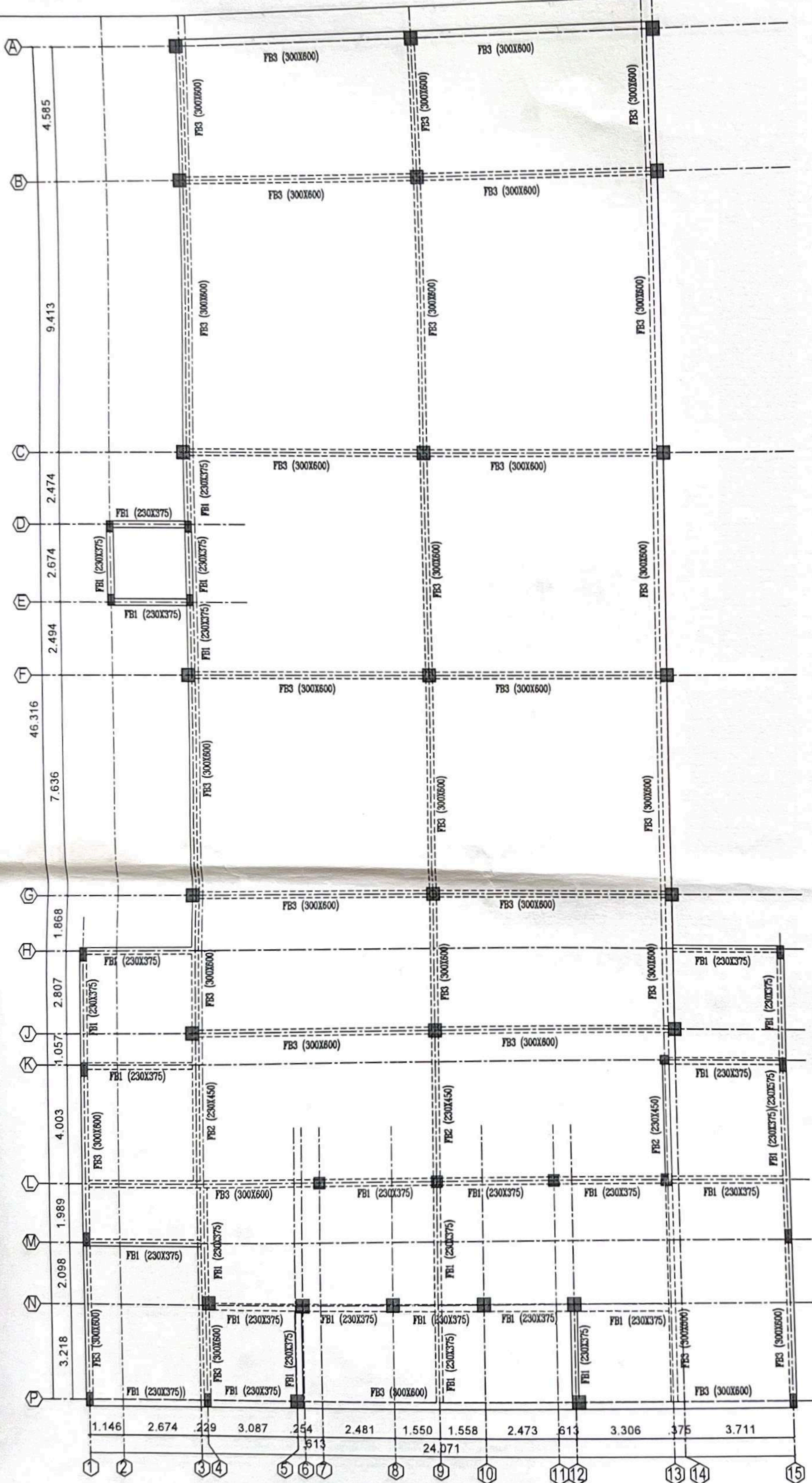
PLAN SHOWING THE ADDITION AND ALTERATION OF A EXISTING COMMERCIAL SHOP BUILDING AT , SRI LAKSHMI COMPLEX IN S.NO. 159/2A1C PART, AS PER PATTAS NO. 159/9, PADIYA NALLUR VILLAGE, PONNERI TALUK, THIRUVALLUR DISTRICT (SHOLAVARAM PANCHAYAT)

DRAWING TITLE:
PLINTH BEAM LAYOUT & DETAILS

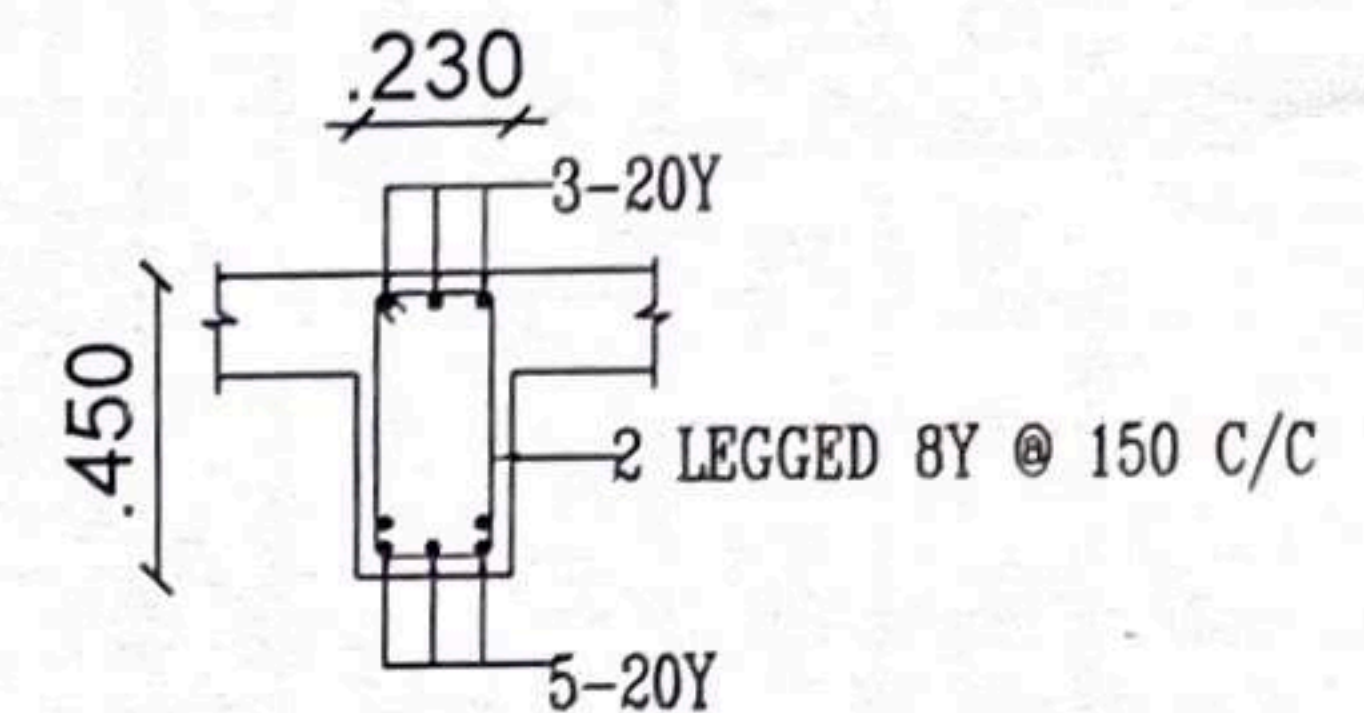
SCALE :-	DRAWN :-	REV
DATE : 24.06.23	CHKD :-	
DRAWING NO STR / 004 / 23		R1

K A V STRUCTURAL CONSULTANT

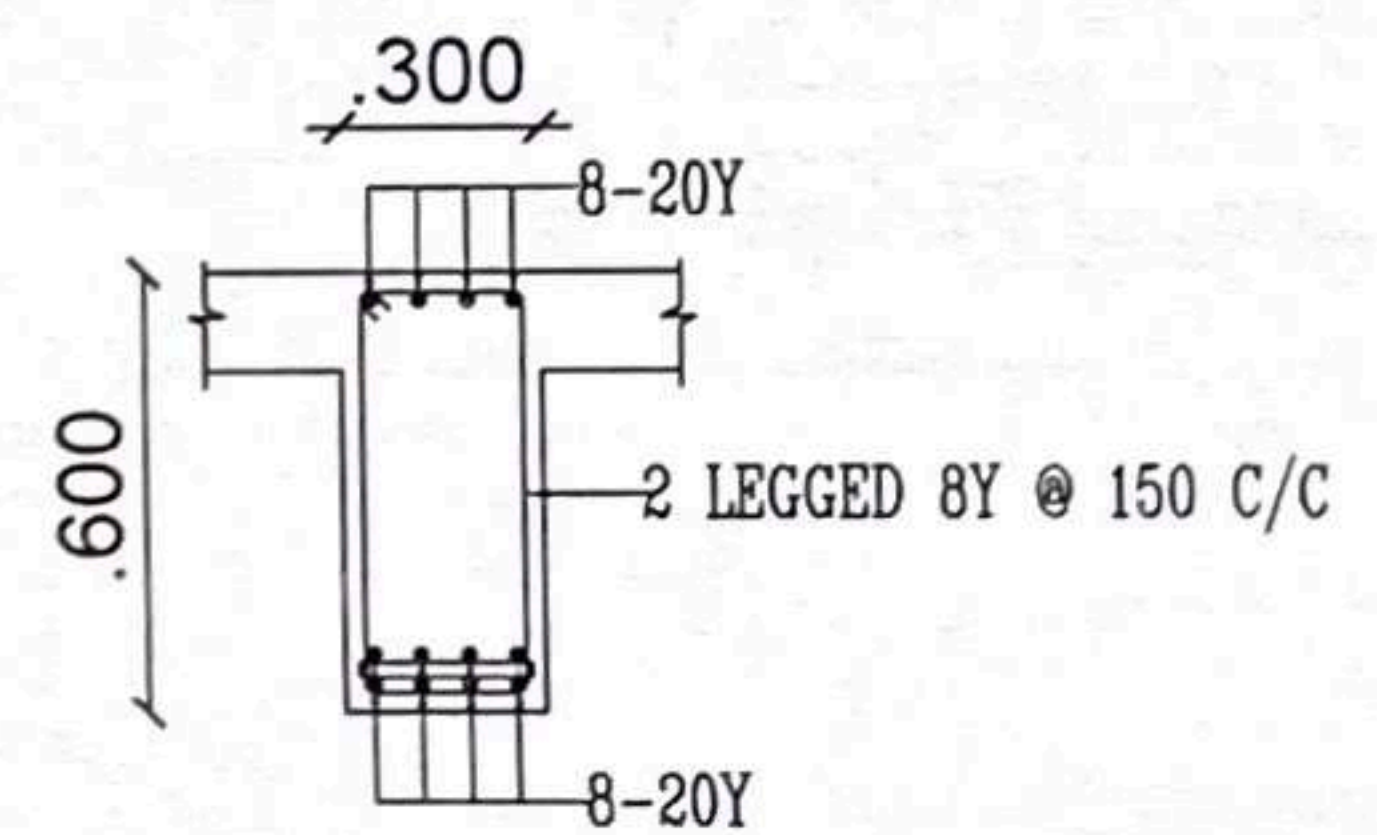
D.KABILAN, M.TECH
CELL NO: 9884399903
kabilan2920@gmail.com



C.S. OF TYPICAL FLOOR
FB- 1 (200X375)



C.S. OF TYPICAL FLOOR
FB- 2(230X450)



C.S. OF TYPICAL FLOOR
FB- 3(300X600)

GENERAL NOTES :

1. ALL DIMENSIONS ARE IN INC.
2. THIS DRG SHOULD READ ALONG CONJUNCTION WITH RESPECTIVE ARCH.DRG
3. CLEAR COVER TO MAIN REINFORCEMENT BARS

FOR FOOTING : 75MM
FOR COLUMN : 40MM
FOR BEAM : 30MM
FOR SLAB : 30MM
FOR RC WALL : 30MM

4. GRADE OF CONCRETE M20 -(1:1.5:3)(AS PER IS 456-2000)
5. STEEL GRADE FOR = Fe 500
6. COLUMN LAP LENGTH : 50 TIMES DIA OF BAR
7. LAP LENGTH OF ALL BARS SHOULD BE 50 TIMES THE DIA OF THE BAR
8. BUILDINGS ARE CONSIDERED FOR DESIGN FOR C+1 FLOORS

9.REMOVAL OF FORM WORKS

- FOR COLUMNS 24 HRS AFTER CASTING
FOR ROOF BEAM SIDE 24 HRS AFTER CASTING
FOR ROOF BEAM BOTTOM :-
CLEAR SPAN LESS THAN 6M 14 DAY AFTER CASTING
CLEAR SPAN MORE THAN 6M 21 DAY AFTER CASTING

10. STABILITY OF THE FRAMEWORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

KAV
STRUCTURAL DESIGN CONSULTANT
D. KABILAN, M.Tech (Struct.)
REGISTER No: (SE/GR-II/19/04/047)
P.O. No. 13, SHIRIDI SAI NAGAR,
POONAMALLEE, CHENNAI-56.
Cell: 98843 99903

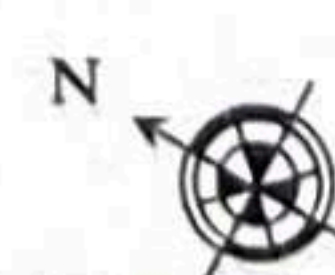
REV	DESCRIPTION	DATE	BY	CHKD
R1	ISSUED FOR CONSTRUCTION	24.06.23	SKN	SKN

ARCHITECTS

CLIENT

MR. M. BALAJI SARAVANAN

NORTH POINT :-



PROJECT:

PLAN SHOWING THE ADDITION AND ALTERATION OF A EXISTING COMMERCIAL SHOP BUILDING AT, SRI LAKSHMI COMPLEX IN S.NO. 159/2A/C PART, AS PER PATTAS NO. 159/3, PADIYA NALLUR VILLAGE, PONNERI TALUK, THIRUVALLUR DISTRICT. (SHOLAVARAM PANCHAYAT)

DRAWING TITLE
FIRST FLOOR BEAM LAYOUT & DETAILS

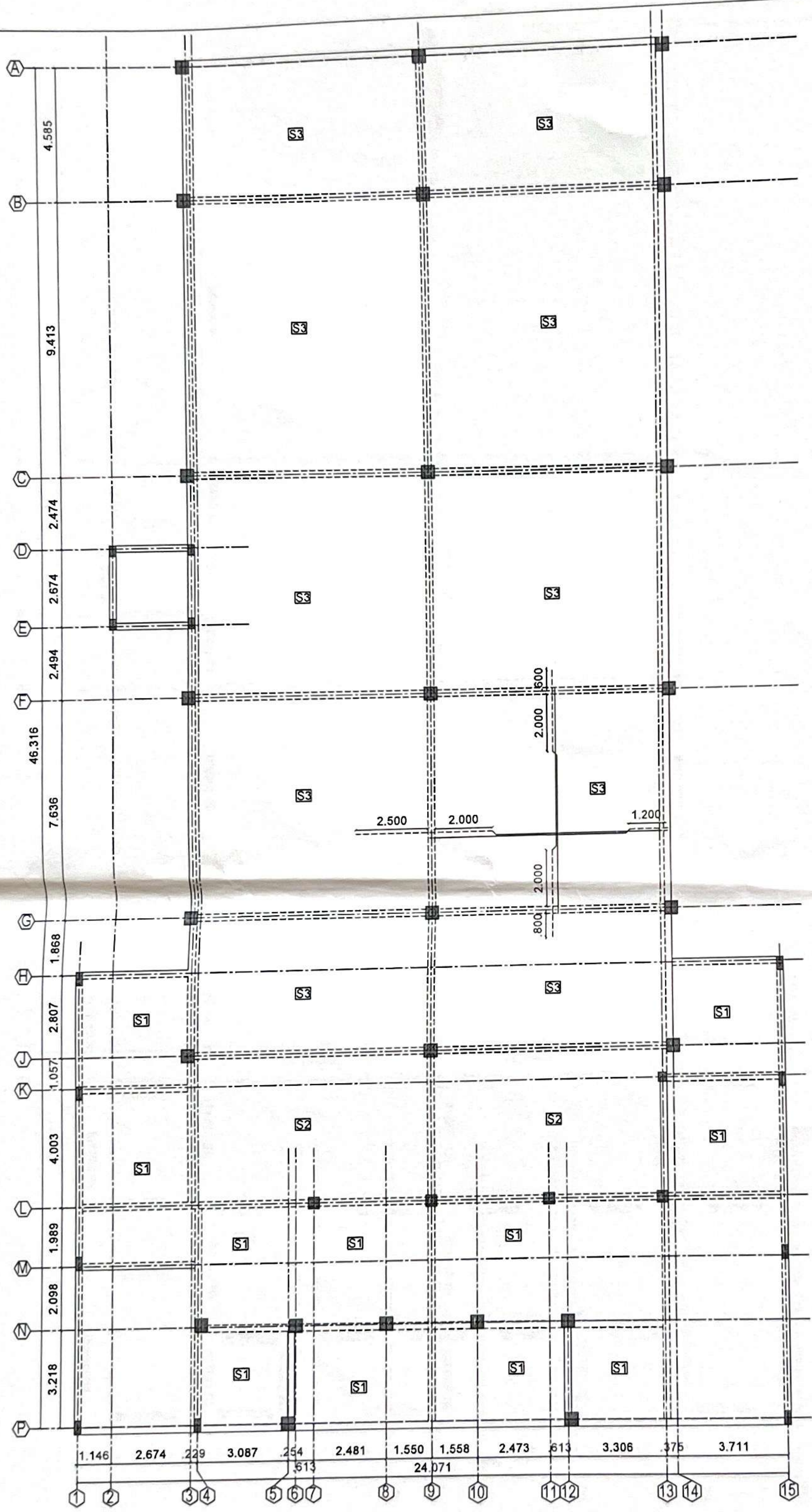
SCALE : DRAWN : REV

DATE : 24.06.23 CHKD : R1

DRAWING NO. STR / 005 / 23

K A V STRUCTURAL CONSULTANT

D.KABILAN M.TECH
CELL NO.9884399903
kabilan2920@gmail.com



SLAB SCHEDULE		
NAME	THICKNESS	DISTRIBUTORS REINFORCEMENT
S1	125 MM	Y8 @ 150 C/C
S2	150 MM	Y10 @ 150 C/C
S3	200 MM	Y12 @ 150 C/C

- GENERAL NOTES
1. ALL DIMENSIONS ARE IN INC.
 2. THIS DRG SHOULD READ ALONG CONJUNCTION WITH RESPECTIVE ARCH.DRG
 3. CLEAR COVER TO MAIN REINFORCEMENT BARS
FOR FOOTING : 75MM
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CLEAR SPAN MORE THAN 6M 21 DAY AFTER CASTING
10. STABILITY OF THE FRAMEWORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

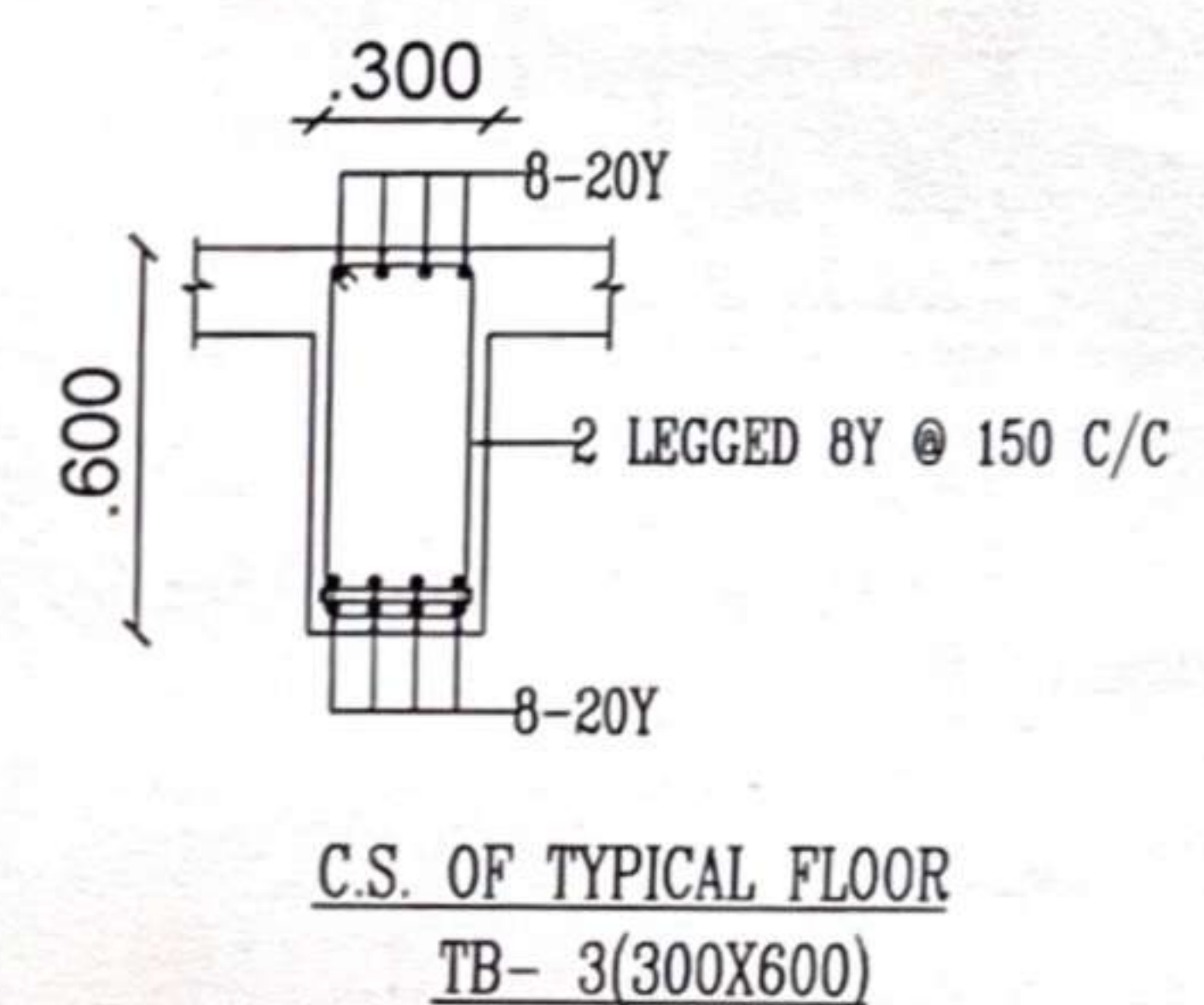
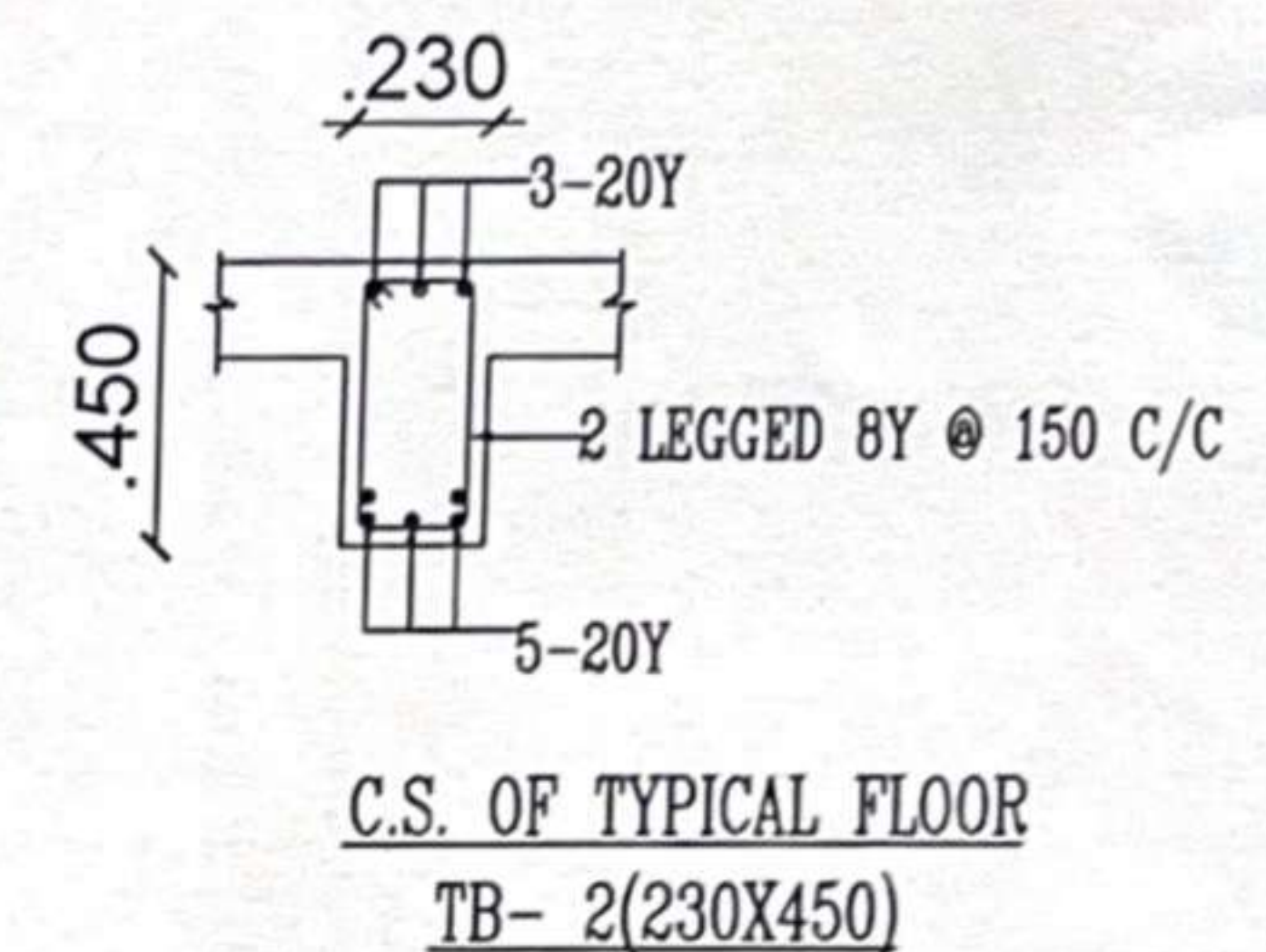
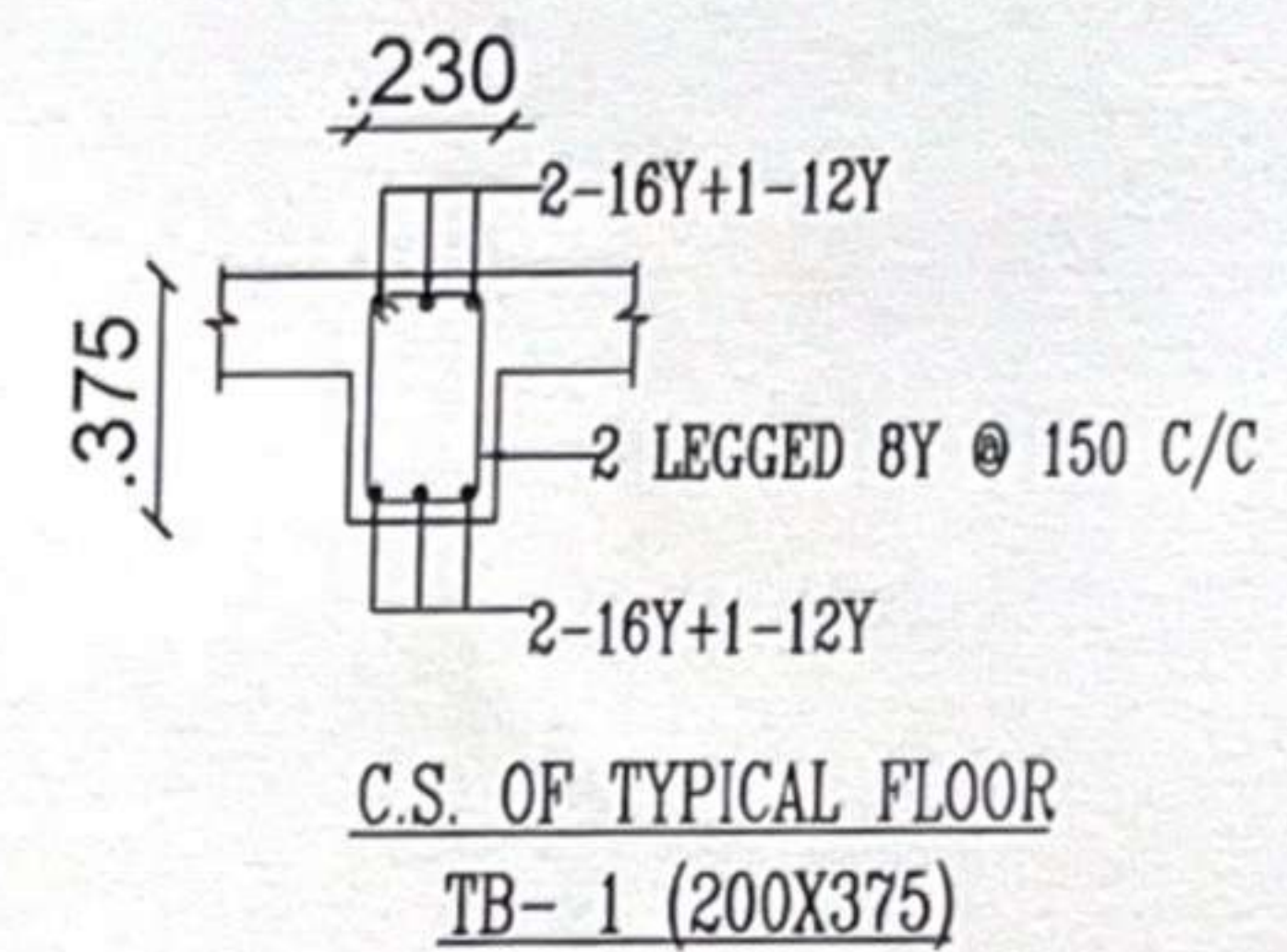
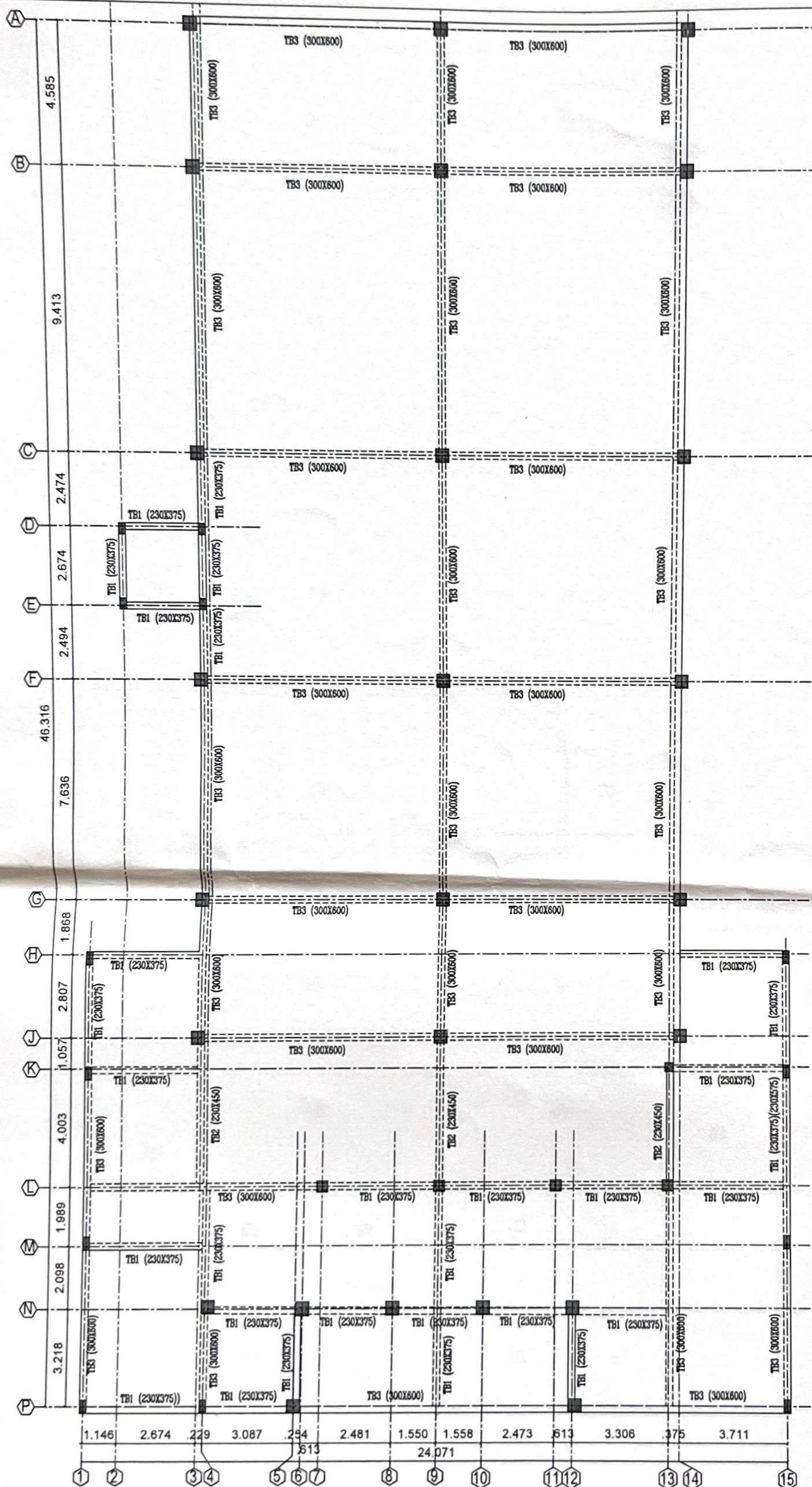
D. Kabilan
KAV STRUCTURAL DESIGN CONSULTANT
D. KABILAN M.Tech(Structl),
CMDA REGISTER No. (SE/GR-II/19/04/047)
PL. No 13, SHIRIDI SAI NAGAR,
POONAMALLEE, CHENNAI-56.
Cell: 98843 99903

REV	ISSUED FOR CONSTRUCTION	DATE	BY	CHKD.
1	24.04.23	BN	BN	
ARCHITECTS				
CLIENT:				
MR. M. BALAJI SARAVANAN				

NORTH POINT - N

PROJECT:
PLAN SHOWING THE ADDITION AND ALTERATION OF A EXISTING COMMERCIAL SHOP BUILDING AT, SRI LAKSHMI COMPLEX IN S NO 159/2A/C PART, AS PER PATT A S.NO 159/9, PADIYA NALLUR VILLAGE, PONNERI TALUK, THIRUVALLUR DISTRICT (SHOLAVARAM PANCHAYAT)

DRAWING TITLE FIRST FLOOR SLAB DETAILS	
SCALE: 1:100	DRAWN: KAV
DATE: 24.04.23	CHKD: KAV
DRAWING NO STR / 006 / 23	REV R1
K A V STRUCTURAL CONSULTANT	
D.KABILAN M.TECH CELL NO. 9884399903 kabilan2920@gmail.com	



GENERAL NOTES:

- ALL DIMENSIONS ARE IN INC.
- THIS DRG SHOULD READ ALONG CONJUNCTION WITH RESPECTIVE ARCH.DRG
- CLEAR COVER TO MAIN REINFORCEMENT BARS
FOR FOOTING : 75MM
FOR COLUMN : 40MM
FOR BEAM : 30MM
FOR SLAB : 20MM
FOR RC WALL : 30MM
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- COLUMN LAP LENGTH : 50 TIMES DIA OF BAR
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- BUILDINGS ARE CONSIDERED FOR DESIGN FOR G+1 FLOORS

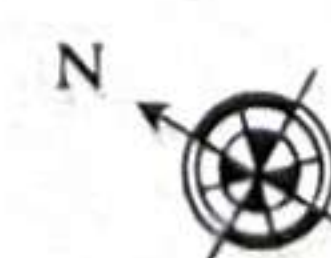
9.REMOVAL OF FORM WORKS

- FOR COLUMNS 24 HRS AFTER CASTING
- FOR ROOF BEAM SIDE 24 HRS AFTER CASTING
- FOR ROOF BEAM BOTTOM :- 14 DAY AFTER CASTING
- CLEAR SPAN LESS THAN 6M 21 DAY AFTER CASTING
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10.STABILITY OF THE FRAMEWORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

KAV STRUCTURAL DESIGN CONSULTANT
D. KABILAN, M.Tech(Structl.)
CMDA REGISTER No: (SE/GR-11/19/04/047)
PL. No.13, SHIRIDI SAI NAGAR,
POONAMALLEE, CHENNAI-56.
Cell: 98843 99903

NORTH POINT :-



PROJECT:

PLAN SHOWING THE ADDITION AND ALTERATION OF A EXISTING COMMERCIAL SHOP BUILDING AT, SRI LAKSHMI COMPLEX IN S.NO. 159/2A/C PART, AS PER PATTAS NO. 159/9, PADIYA NALLUR VILLAGE, PONNERI TALUK, THIRUVALLUR DISTRICT. (SHOLAVARAM PANCHAYAT)

ARCHITECTS

CLIENT:

MR. M. BALAJI SARAVANAN

DRAWING TITLE:
TERRACE FLOOR BEAM LAYOUT & DETAILS

SCALE: 1:100

DATE: 24.04.23

DRAWING NO: STR / 007 / 23

K A V STRUCTURAL CONSULTANT

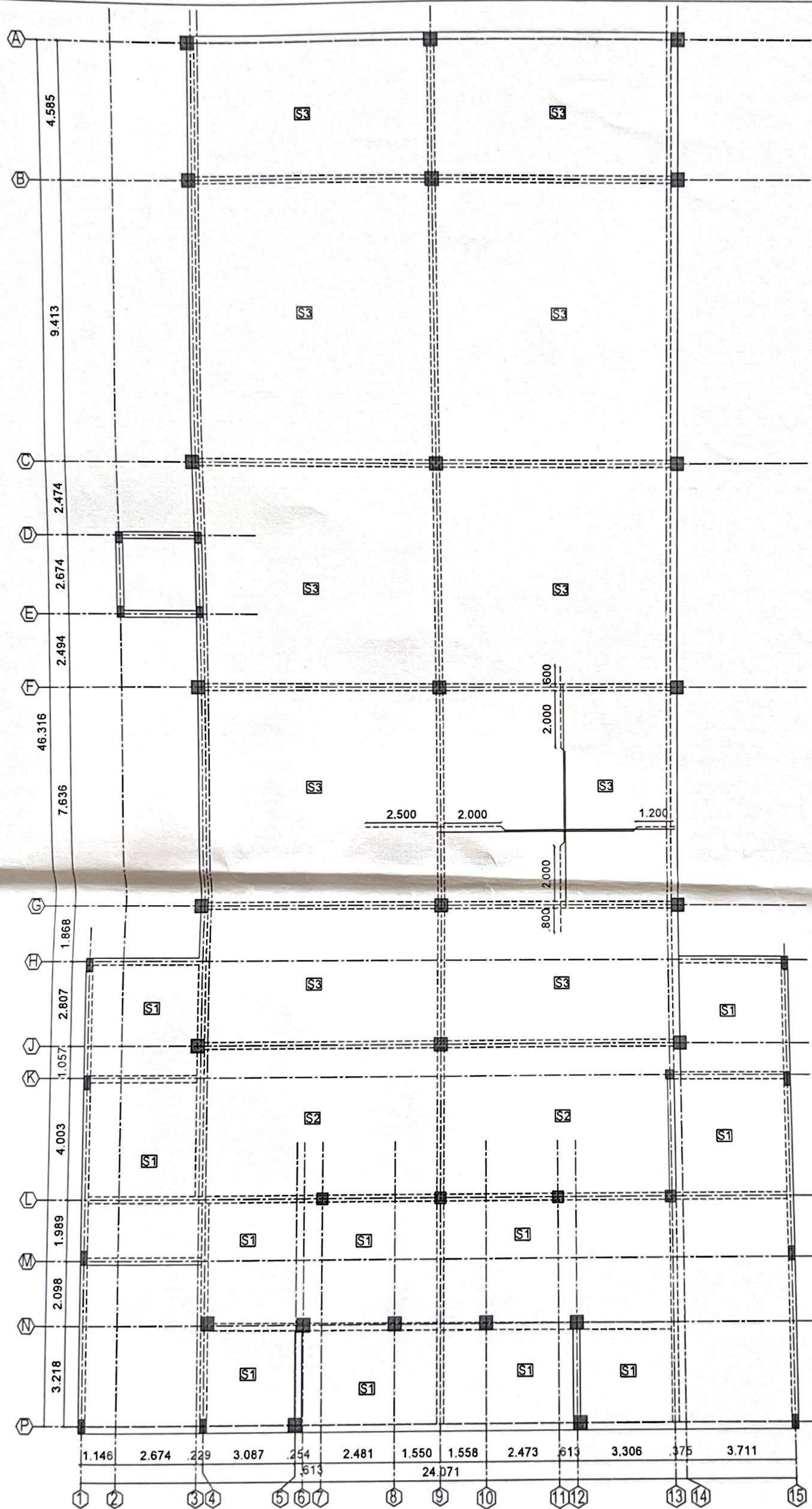
D.KABILAN M.TECH

CELL NO:9884399903

kabilan2920@gmail.com

REV

R1



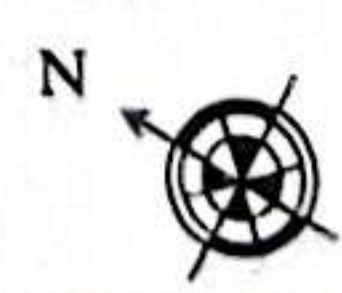
SLAB SCHEDULE		
NAME	THICKNESS	DISTRIBUTORS REINFORCEMENT
S1	125 MM	Y8 @ 150 C/C
S2	150 MM	Y10 @ 150 C/C
S3	200 MM	Y12 @ 150 C/C

- GENERAL NOTES:
- ALL DIMENSIONS ARE IN INC.
 - THIS DRG SHOULD READ ALONG CONJUNCTION WITH RESPECTIVE ARCH.DRG
 - CLEAR COVER TO MAIN REINFORCEMENT BARS
 FOR FOOTING : 75MM
 FOR COLUMN : 40MM
 FOR BEAM : 30MM
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 FOR RC WALL : 30MM
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 FOR COLUMNS 24 HRS AFTER CASTING
 FOR ROOF BEAM SIDE 24 HRS AFTER CASTING
 FOR ROOF BEAM BOTTOM :-
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 CLEAR SPAN MORE THAN 6M 21 DAY AFTER CASTING
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KAV STRUCTURAL DESIGN CONSULTANT
 D. KABILAN, M.Tech(Struct),
 (CMA REGISTER No: (SE/GR-11/19/04/04))
 PL. No 13, SHIRIDI SAI NAGAR,
 POONAMALLEE, CHENNAI-56.
 Cell: 98843 99903

ARCHITECTS
 CLIENT:
 MR. M. BALAJI SARAVANAN

NORTH POINT :-

 PROJECT:
 PLAN SHOWING THE ADDITION AND ALTERATION OF A EXISTING COMMERCIAL SHOP BUILDING AT, SRI LAKSHMI COMPLEX IN S.NO. 159/2A1C PART, AS PER PATTAS NO. 159/9, PADIYA NALLUR VILLAGE, PONNERI TALUK, THIRUVALLUR DISTRICT (SHOLAVARAM PANCHAYAT)

DRAWING TITLE:
 TERRACE FLOOR SLAB DETAILS
 SCALE :-
 DATE : 24.06.23
 DRAWN :
 CHECKED :
 DRAWING NO
 STR / 008 / 23
 K A V STRUCTURAL CONSULTANT
 D.KABILAN M.TECH
 CELL NO 9884399903
 kabilan2920@gmail.com

REV
 R1