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+91 9996 12 9996

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PILE SCHEDULE

P	NO	SIZE	MAIN	TIES
P1		600MM DIA.	12–Y16	Y8 @ 6" C\C
P2		500MM DIA.	10–Y16	Y8 @ 6" C\C

PILE CAP SCHEDULE D=depth of CAP a=Thickness of CAP N=No. OF Pile

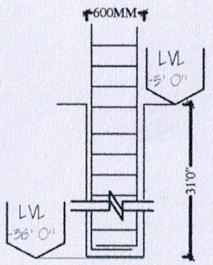
	A	B	D	a	d	N	MESH BOTH WAYS	SIDE FACE STEEL
CAP1	8'0"	8'0"	5'0"	42"	3"	4 NO	MESH1–Y 20 @ 6" C\C BOTTOM MESH2–Y 16 @ 6" C\C TOP	Y 10– 4" C\C
CAP2	13'6"	10'0"	5'0"	48"	3"	4 NO	MESH1–Y 20 @ 6" C\C BOTTOM MESH2–Y 16 @ 6" C\C TOP	Y 10– 4" C\C
CAP3	18'2"	8'0"	5'0"	30"	3"	9 NO	MESH1–Y 20 @ 6" C\C BOTTOM MESH2–Y 16 @ 6" C\C TOP	Y 10– 6" C\C
CAP4	18'2"	12'8 3/4"	5'0"	42"	3"	3 NO	MESH1–Y 16 @ 6" C\C BOTTOM MESH2–Y 16 @ 6" C\C TOP	Y 12– 6" C\C
CAP5	13'1 1/2"	15'4 1/2"	8'0"	42"	3"	3 NO	MESH1–Y 16 @ 6" C\C BOTTOM MESH2–Y 16 @ 6" C\C TOP	Y 12– 6" C\C

COLUMN SCHEDULE

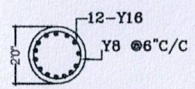
C		SIZE	MAIN	TIES
C1	STILT	12"X24"	8–Y25+6–Y20	Y8 @ 4" C\C
	FIRST TO FIFTH FLOOR	9"X24"		
C2	STILT	12"X24"	8–Y25+4–Y20 2–Y16	Y8 @ 4" C\C
	FIRST TO FIFTH FLOOR	9"X24"		
C3	STILT TO FIFTH FLOOR	9"X18"	10–Y20	Y8 @ 4" C\C
C4	STILT TO FIFTH FLOOR	9"X24"	8–Y25+4–Y20	Y8 @ 4" C\C
C5	STILT	12"X24"	10–Y20	Y8 @ 4" C\C
	FIRST TO FIFTH FLOOR	9"X24"		

Notes:

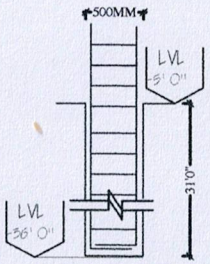
1. This drawing should be read along with architectural drawings.
2. Grade of R.C.C. Items shall be M30 by design mix confirming to I.S.456–2000 unless otherwise specified.
3. Y Denotes TOR50 Steel confirming to I.S. 1786 – 2008. Grade – Fe 500
4. Clear cover to the main steel
   2" for Footings.
   1.5" for Columns.
   1" for Plinth beam, RCC Wall, Lintel & Beams.
5. Lap length shall be 47 d (Max.dia) for all bars.
6. Provide Continues Chairs to keep the top Reinforcement in position
7. Provide Y8 at 12" as Distribution steel for all top Reinforcement.
8. Not more than 40% of Reinforcement shall be Lapped at any particular junction.
9. Foundation is designed for STILT + FIVE FLOORS



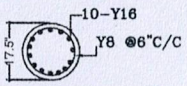
PILE SECTION



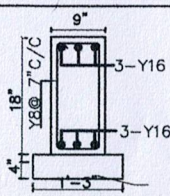
PILE DETAIL P1
DIA 600MM DEPTH=36'



PILE SECTION

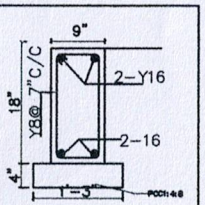


PILE DETAIL P2
DIA 500MM DEPTH=36'

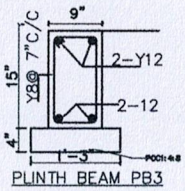


PLINTH BEAM PB1

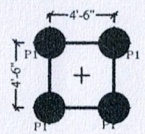
PLINTH BEAM IS SUPPORTED WITH 9" DIA PILE 20' DEPTH @ EVERY 10' C/C



PLINTH BEAM PB2



PLINTH BEAM PB3



PILE LAYOUT BELOW THE CAP 1

PROJECT:

PROPOSED FLATS AT PERUNGUDI

CLIENT:

NAHAR FOUNDATIONS

FOOTING DETAIL

sheet --1

DRN GOKUL	SCALE 1"=8'
CHD	DATE 25-7-2024

STRUCTURAL CONSULTANT :

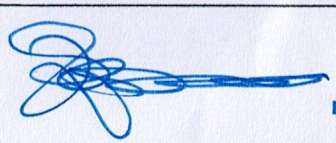
R.KOTTEESWARAN B.E (Hons), M.E. (Structures),
122, PERAMBUR HIGH ROAD,
PERAMBUR, CHENNAI- 600 011

DRG. NO: S1/RO/PERUNGUDI/CHENNAI/2024

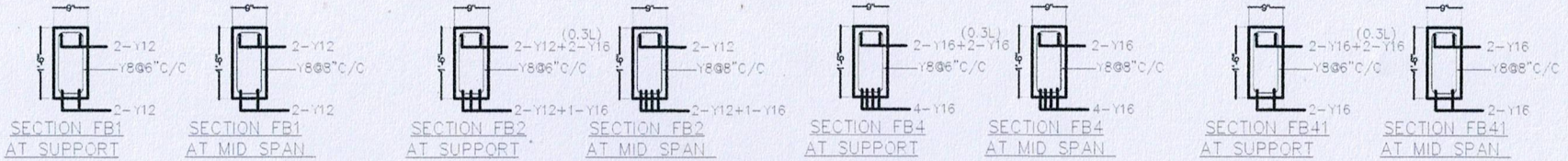
ARCHITECT :

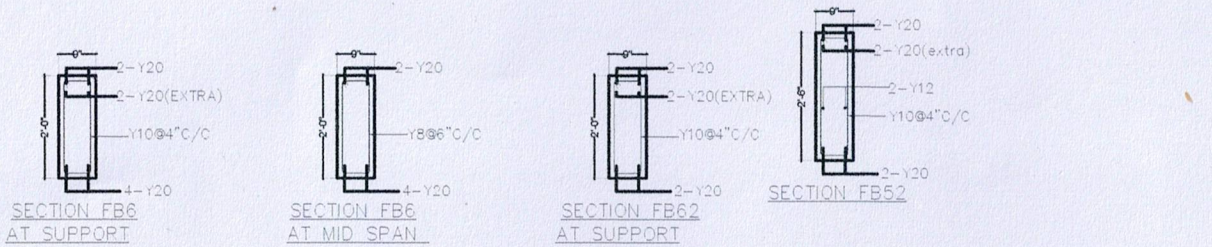
NAVEEN KUMAR AGRAWAL

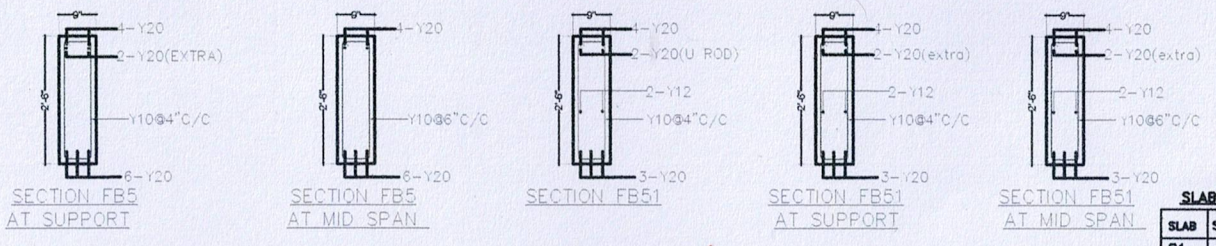
NO. 22/47, ASPIRAN GARDEN 1ST STREET,
KILPAUK, CHENNAI – 10.
PH: 2644 6017, 98409 75545.



R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423



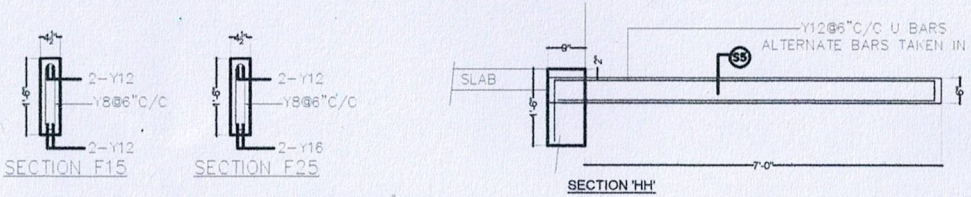


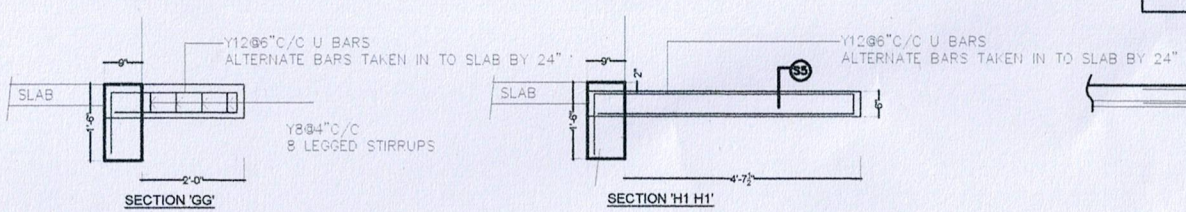


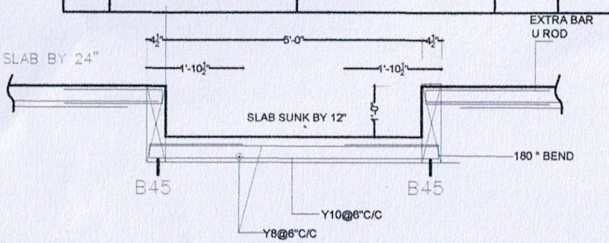
R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423

SLAB SCHEDULE

SLAB	SHORTER SIDE	LONGER SIDE	THICK	REMARKS
S1	Y10@5"C/C	Y10@6"C/C	5"	TWO WAY
S2	Y10@6"C/C BOTTOM	Y8@6"C/C BOTTOM	4.5"	TWO WAY
S4	Y10@6"C/C Y8@8"C/C	Y8@8"C/C Y8@8"C/C	6"	TWO WAY SUNKEN
S5	Y12@6"C/C	Y8@6"C/C TOP Y10@6"C/C BOTTOM	6"	ONE WAY
S41	Y10@6"C/C Y8@8"C/C	Y8@8"C/C Y8@8"C/C	6"	ONE WAY SUNKEN

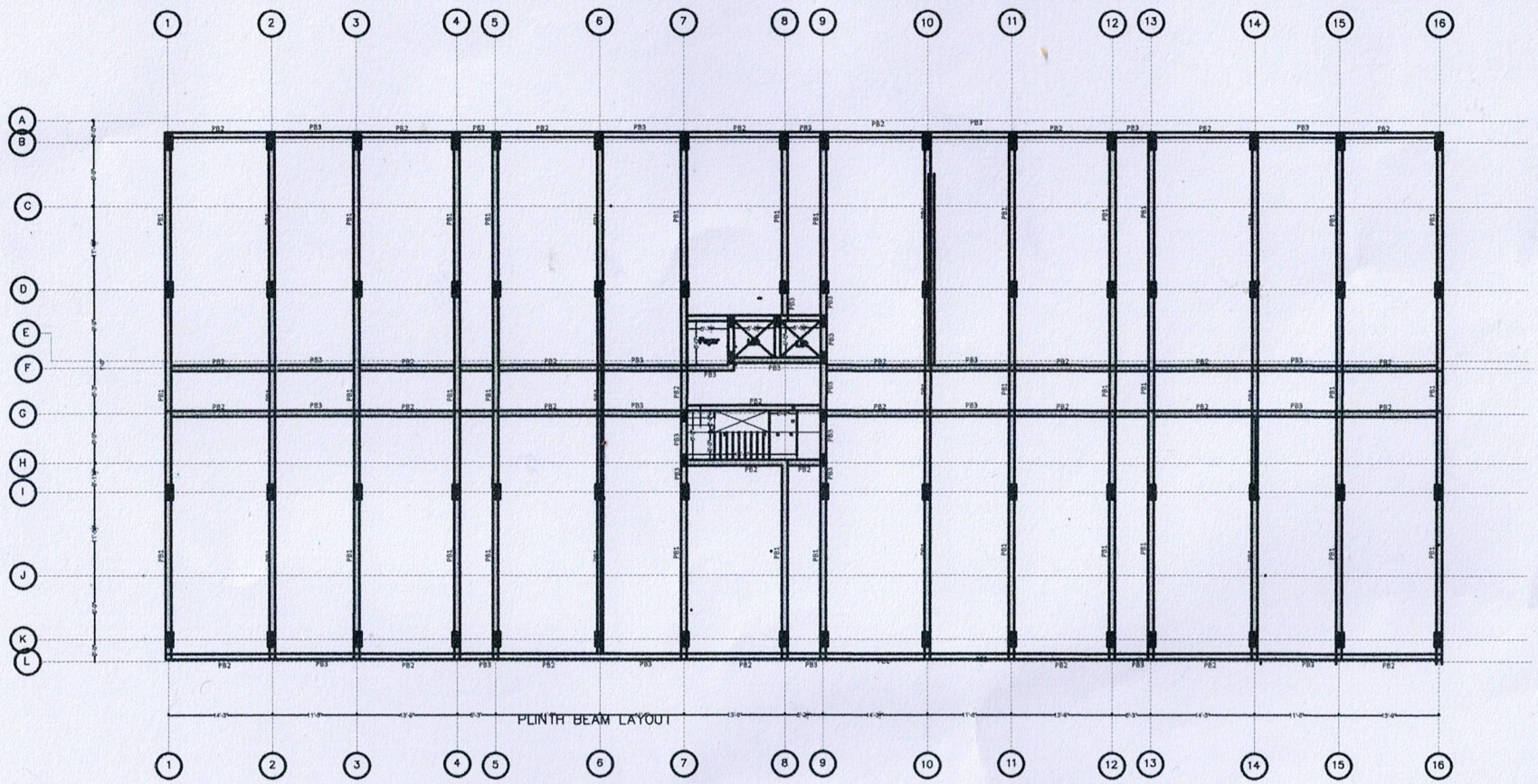






SECTION 'RR'

PROPOSED FLATS AT PERUNGUDI PROJECT: CLIENT: NAHAR FOUNDATIONS	SLAB & BEAM SECTIONS DRN S.GOKUL KUMAR | SCALE 1"=8' CHD | DATE 20-8-2024	SHEET-1	R.KOTTEESWARAN B.E (Hons), M.E. (Structures), 122, PERAMBUR HIGH ROAD, PERAMBUR, CHENNAI- 600 011 DRG. NO: S2/RO/NAHAR/PERUNGUDI/2024	ARCHITECT : NAVEEN KUMAR AGRAWAL NO. 22/47, ASPIRAN GARDEN 1ST STREET KILPAUK, CHENNAI – 10. PH: 2644 6017, 98409 75545.



PLINTH BEAM LAYOUT

AS PER PATTA

AS PER SURVEY

PROJECTS:

PROPOSED FLATS AT PERUNGUDI

CLIENT:

NAHAR FOUNDATIONS

N

R. KOTTESWARAN

B.E.(HONS), M.E. (STRUCTURES),

Structural Engineer Grade-I (SE)

SE/GR-I/19/10/213

No: 122, Perambur High Road,

Perambur, Chennai-600 011.

Mobile: 9940061423

FOUNDATION

SHEET-2

DRN. S.GOKUL KUMAR	SCALE 1"=8'
CKD	DATE 25-7-2014

STRUCTURAL CONSULTANT :

R.KOTTEESWARAN B.E (Hons), M.E. (Structures),

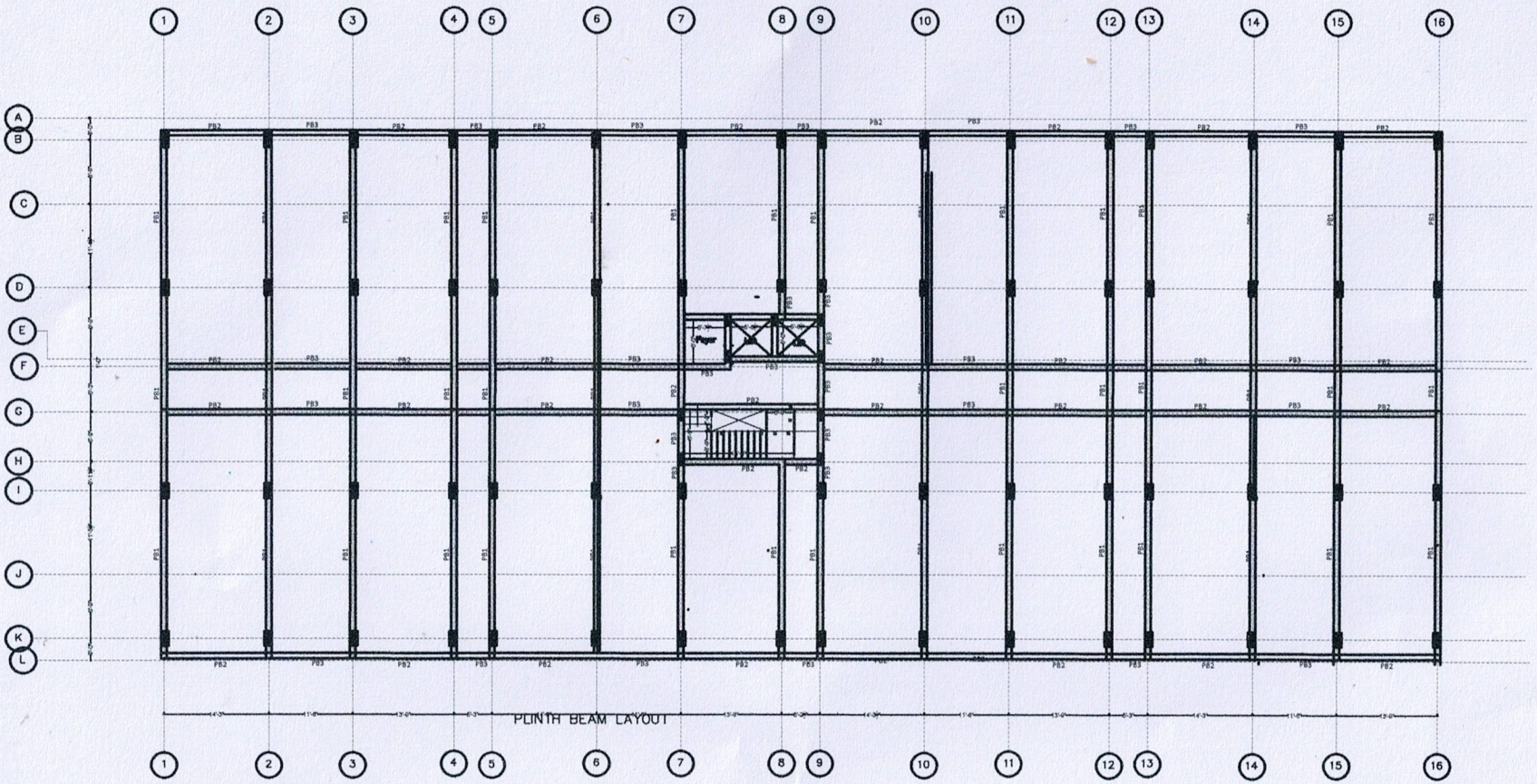
122, PERAMBUR HIGH ROAD, PERAMBUR, CHENNAI- 600 011

DRG. NO: SI/RC/NAHAR/PERUNGUDI/2014

ARCHITECT

NAVEEN KUMAR AGRAWAL

Flat No.8, 3rd Floor,
42/37, Aspiran Garden 1st Street,
Kilpauk, Chennai-600 010.
Ph: 2644 6017, 93822 24545.



AS PER PATTA

AS PER SURVEY

PROJECTS:

PROPOSED FLATS AT PERUNGUDI

CLIENT:

NAHAR FOUNDATIONS

N

R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423

FOUNDATION

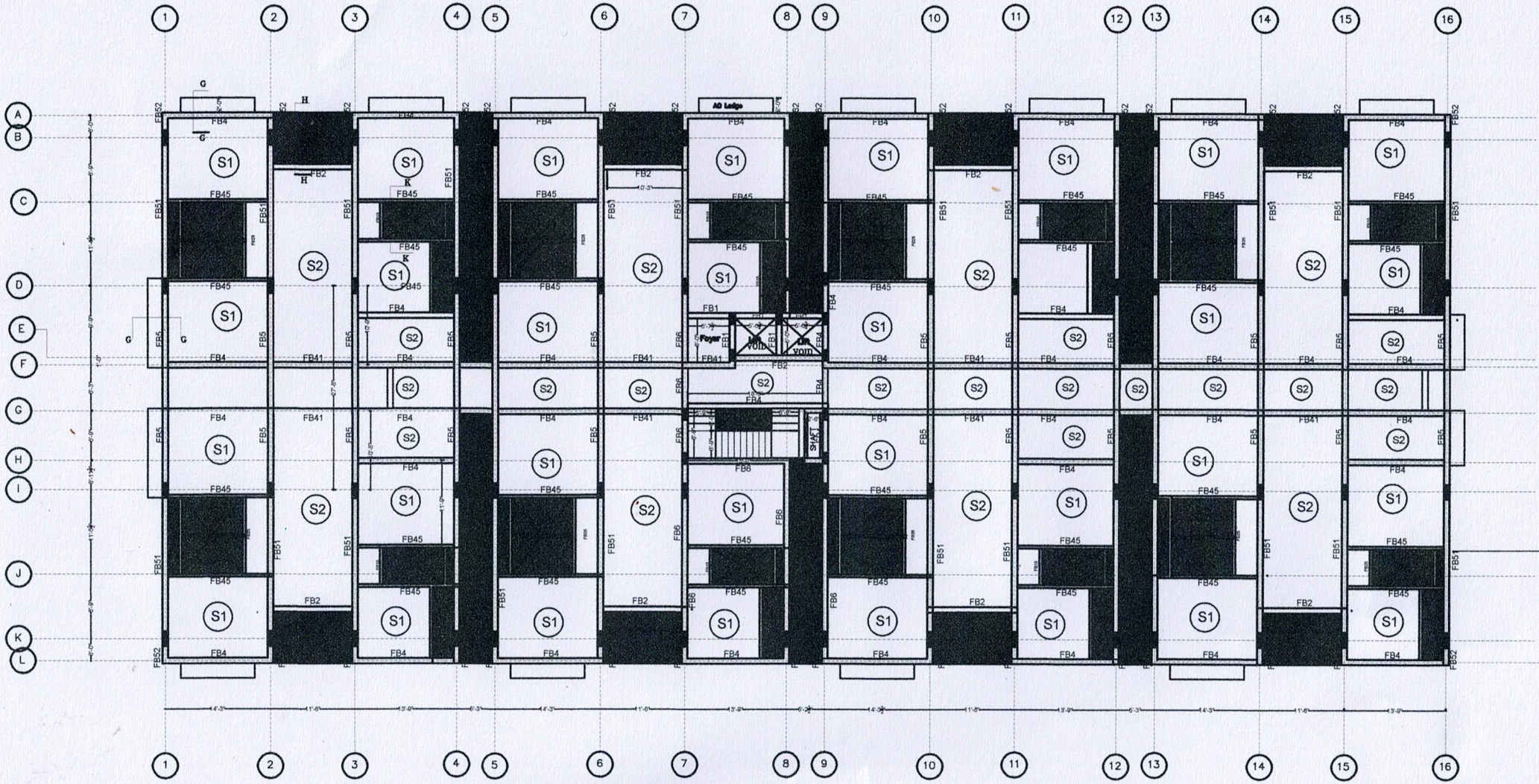
SHEET-2

DES.&CHKD. BY:NAR	SCALE 1"=8'
CHD	DATE 30-7-2024

STRUCTURAL CONSULTANT :
R.KOTTEESWARAN B.E (Hons), M.E. (Structures),
122, PERAMBUR HIGH ROAD,
PERAMBUR, CHENNAI- 600 011.

DRG. NO: H/RG/NAHAR/PERUNGUDI/S04

ARCHITECT
NAVEEN KUMAR AGRAWAL
Flat No.8, 3rd Floor,
42/37, Aapiran Garden 1st Street,
Kilpauk, Chennai-600 010.
Ph: 2644 6017, 93822 24545.



FLOOR SLAB & BEAM LAYOUT
FIRST FLOOR

R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423

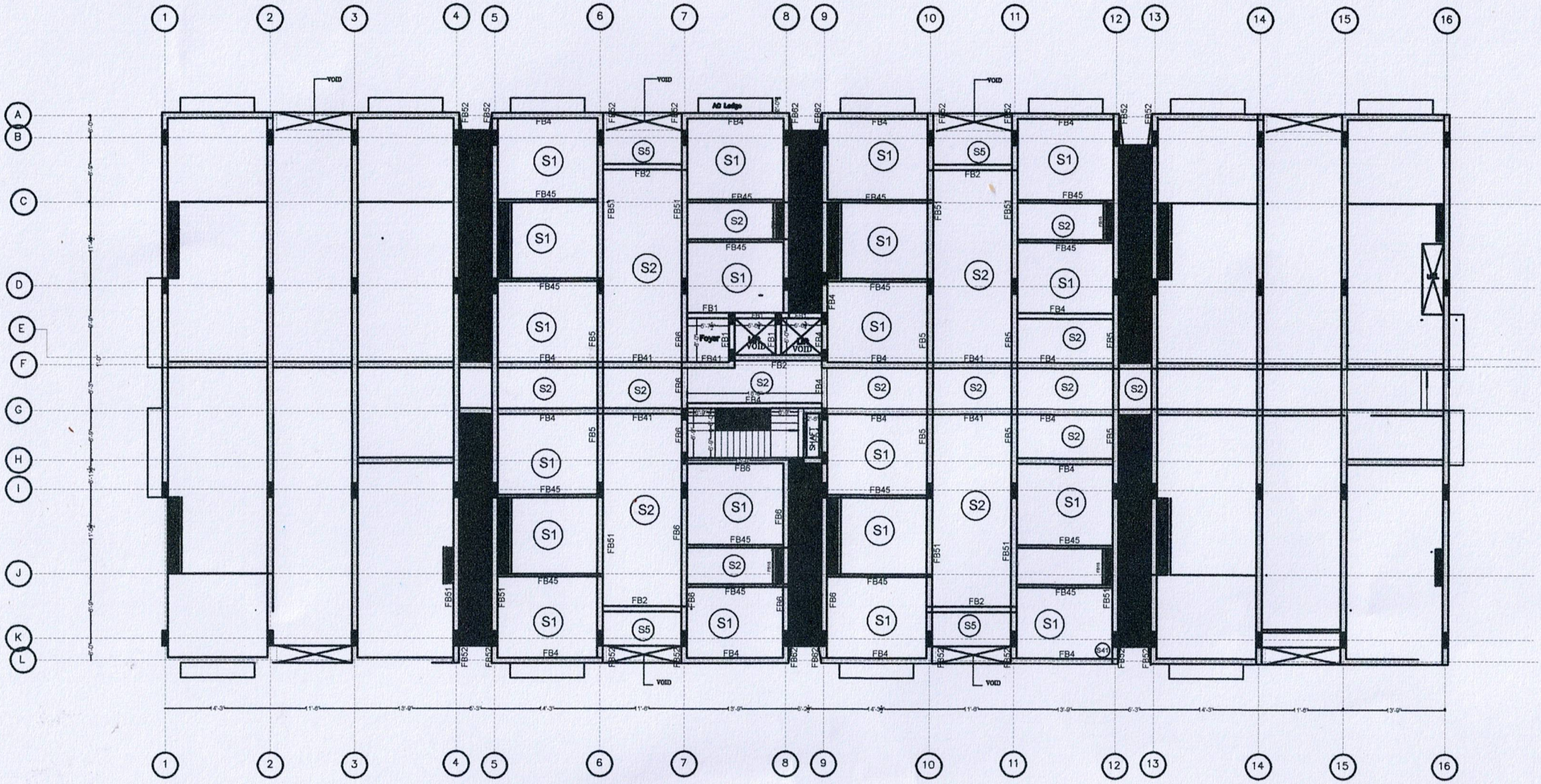
PROPOSED FLATS AT PERUNGUDI
PROJECT:
CLIENT: NAHAR FOUNDATIONS

FLOOR SLAB AND BEAM
SHEET-2

DRN S.GOKUL KUMAR	SCALE 1"=8'
CHD	DATE 20-8-2024

R.KOTTEESWARAN B.E (Hons), M.E. (Structures),
122, PERAMBUR HIGH ROAD,
PERAMBUR, CHENNAI- 600 011
DRG. NO: SE/FO/NAHAR/PERUNGUDI/2024

ARCHITECT:
NAVEEN KUMAR AGRAWAL
22/47, ASPIRAN GARDEN 1ST STREET,
KILPAUK, CHENNAI - 10.
PH: 2644 6017, 98409 75545



FLOOR SLAB & BEAM LAYOUT
TERRACE SLAB

R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423

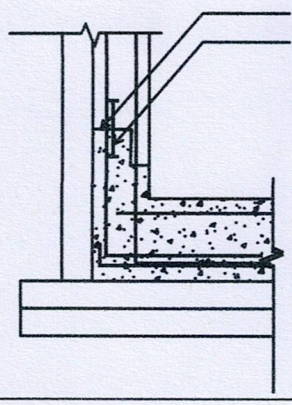
PROPOSED FLATS AT PERUNGUDI
PROJECT:
CLIENT:
NAHAR FOUNDATIONS

FLOOR SLAB AND BEAM
SHEET-2

DRN S.GOKUL KUMAR	SCALE 1"=8'
CHD	DATE 20-8-2024

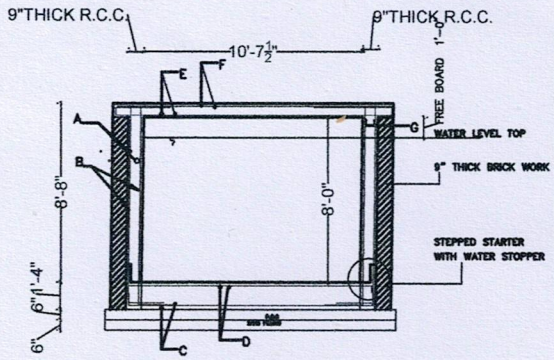
R.KOTTEESWARAN B.E (Hons),
M.E. (Structures),
122, PERAMBUR HIGH ROAD,
PERAMBUR, CHENNAI- 600 011
DRG. NO: SE/RO/NAHAR/PERUNGUDI/2024

ARCHITECT:
NAVEEN KUMAR AGRAWAL
2247, ASPIRAN GARDEN 1ST STREET,
KILPAUK, CHENNAI - 10.
PH: 2644 6017, 98409 75565



Notes for UG SUMP:

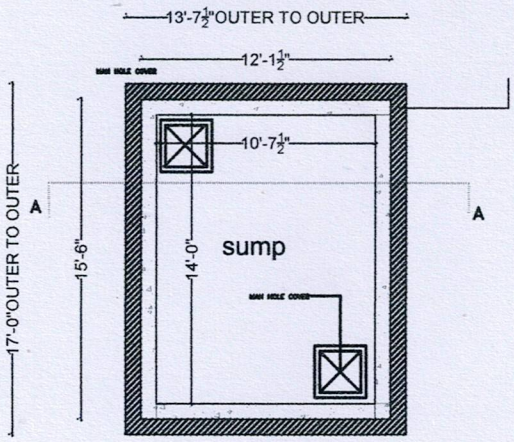
1. This drawing should be read along with architectural drawings.
2. Grade of R.C.C. items shall be M20 by design mix confirming to I.S.456-2000
3. Y Denotes TOR50 Steel confirming to I.S. 1786 Grade - Fe 500
4. Clear cover to the reinforcement steel 1" for inner face(water retaining side). 1" for outer face (exterior sides).
5. Lap length shall be 47 d (Max.dia) for all bars.
6. Provide Continues Chairs to keep the top Reinforcement in position
7. Provide Y8 at 12" as Distribution steel for all top Reinforcement.
8. Not more than 40% of Reinforcement shall be Lapped at any particular junction.
9. Approved water proofing admixtures to be added to the concrete
10. PVC Water stopper to be provided between the base slab and the side wall junction



SECTION AA

Notes for UG SUMP:

1. The side wall concreting to commence after plastering the side wall brick work
2. The wall concrete to commence with CEMENT slurry on both side of water stopper
3. water stopper to be provided connecting the FLOOR SLAB and wall concrete.
4. Wall concreting to be cast in layers of 1' height all around.
5. Cover for the wall reinforcements to be maintained.
6. Loose dried cement (latents) particles to be removed before concreting



PLAN OF SUMP

BASE SLAB REINFORCEMENT THICK =16"

	BOTTOM	TOP	COVER
C	Y16@8"C/C		1"
D		Y16@6"C/C	1"

COVER SLAB REINFORCEMENT THICK =8"

	BOTTOM BOTH WAYS	TOP BOTH WAYS	COVER
E	Y16 @6"C/C		1"
F		Y12 @6"C/C	1"

WALL REINFORCEMENTS THICK =9"

	VERTICAL	HORIZONTAL	COVER
B	Y 10@6"C/C		1"
A		Y 10@6"C/C	1"
G		Y 12 2 NOS TOP	2"

SUMP DETAILS

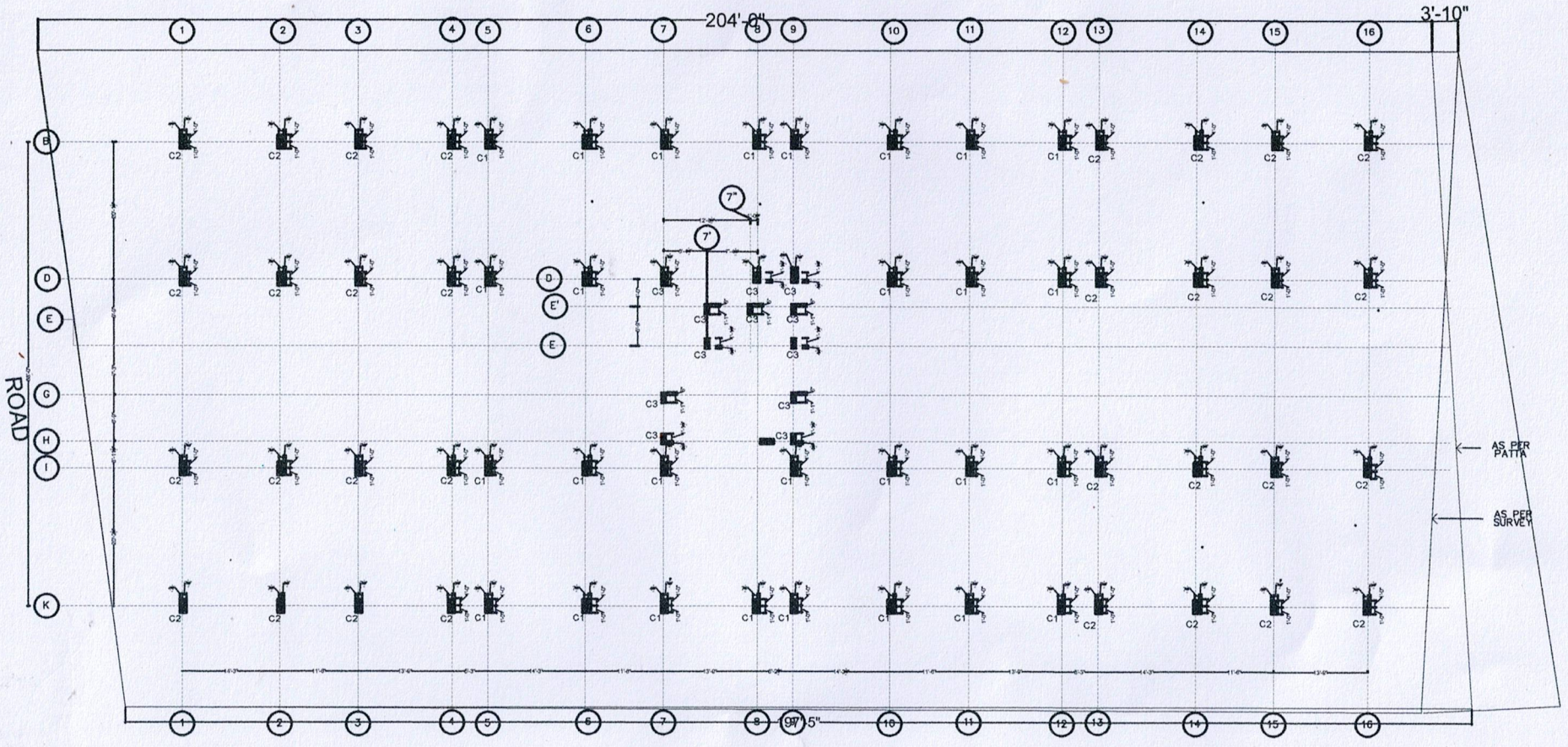
SHEET NO. 2

DRN GOKUL KUMAR	SCALE 1"=8'
CHD	DATE 13-03-2025

R.KOTTEESWARAN B.E (Hons), M.E. (Structures),
122, PERAMBUR HIGH ROAD, PERAMBUR, CHENNAI- 600 011

DRG. NO: S3/R1/PERUNGUDI/SUMP/2024

R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423



COLUMN LAYOUT

AS PER PATTA

AS PER SURVEY

PROJECT:
PROPOSED FLATS AT PERUNGUDI

CLIENT:
NAHAR FOUNDATIONS

FOUNDATION

SHEET-3

DRN R.SUKUL KUMAR | SCALE 1"=8'

CHD | DATE 28-7-2024

STRUCTURAL CONSULTANT :
R.KOTTEESWARAN B.E (Hons), M.E. (Structures),
122, PERAMBUR HIGH ROAD, PERAMBUR, CHENNAI- 600 011
DRG. NO: SL/RG-NAHAR/PERUNGUDI/024

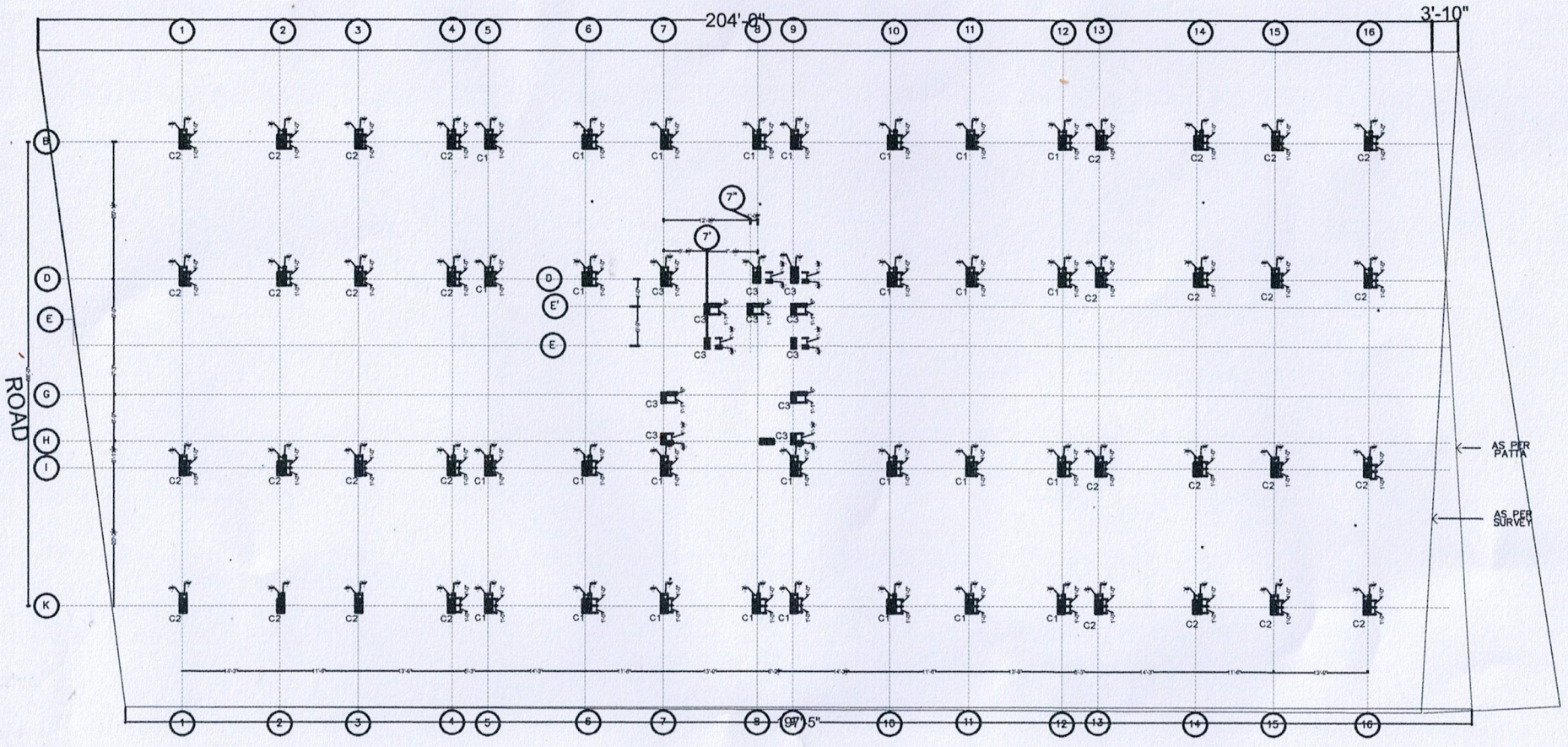
PROJECTS:
PROPOSED FLATS AT PERUNGUDI

CLIENT:
NAHAR FOUNDATIONS

N

R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423

ARCHITECT
NAVEEN KUMAR AGRAWAL
Flat No.8, 3rd Floor,
42/37, Aspiran Garden 1st Street,
Kilpauk, Chennai-600 010.
Ph: 2644 6017, 93822 24545.



COLUMN LAYOUT

AS PER PATTA

AS PER SURVEY

PROJECT:
PROPOSED FLATS AT PERUNGUDI

CLIENT:
NAHAR FOUNDATIONS

FOUNDATION

SHEET-3

DRN R.SUKUL KUMAR | SCALE 1"=8'

CHD | DATE 28-7-2024

STRUCTURAL CONSULTANT :
R.KOTTEESWARAN B.E (Hons), M.E. (Structures),
122, PERAMBUR HIGH ROAD, PERAMBUR, CHENNAI- 600 011
DRG. NO: SL/RG-NAHAR/PERUNGUDI/024

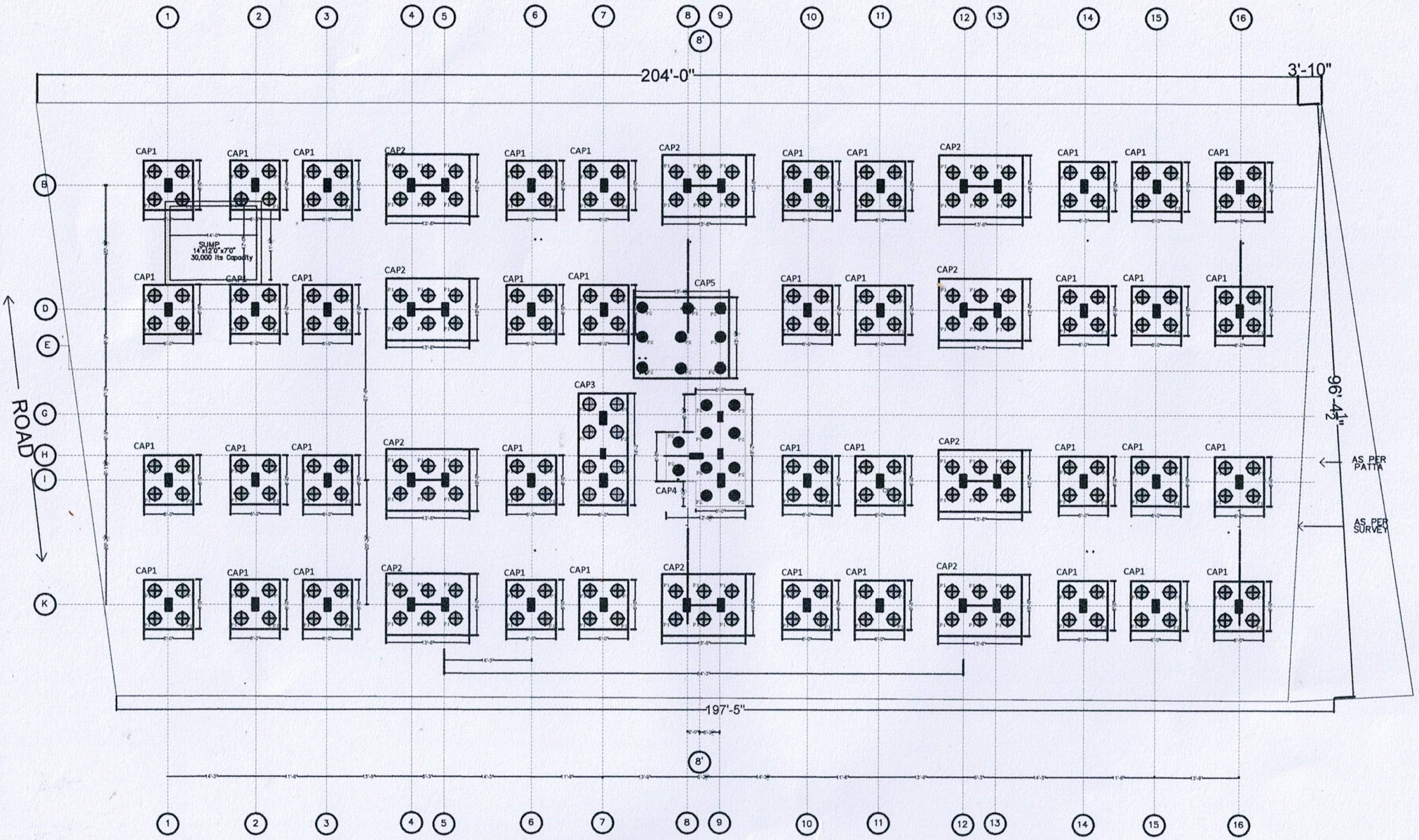
PROJECTS:
PROPOSED FLATS AT PERUNGUDI

CLIENT:
NAHAR FOUNDATIONS

N

R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423

ARCHITECT
NAVEEN KUMAR AGRAWAL
Flat No.8, 3rd Floor,
42/37, Aspiran Garden 1st Street,
Kilpauk, Chennai-600 010.
Ph: 2644 6017, 93822 24545.



AS PER PATTA

AS PER SURVEY

FOUNDATION LAYOUT

PROJECTS:

PROPOSED FLATS AT PERUNGUDI

CLIENT:

NAHAR FOUNDATIONS

R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423

N

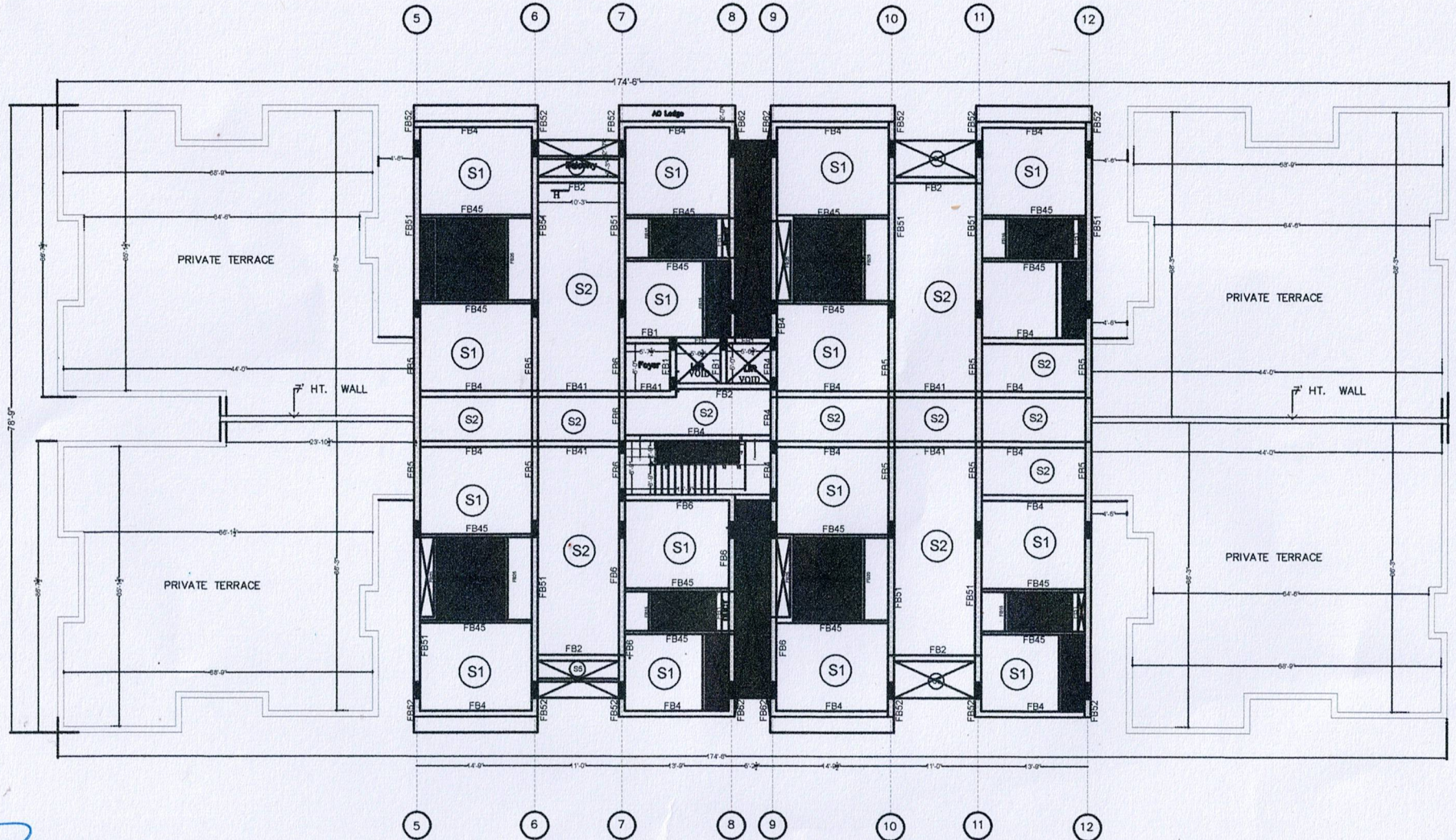
FOUNDATION

SHEET-4

DRN: S.GOKUL KUMAR	SCALE: 1"=8'
CHD	DATE: 25-7-2024

STRUCTURAL CONSULTANT
R.KOTTEESWARAN B.E (Hons), M.E. (Structures),
122, PERAMBUR HIGH ROAD,
PERAMBUR, CHENNAI- 600 011
DRG. NO: SI/RG/NAHAR/PERUNGUDI/2024

ARCHITECT
NAVEEN KUMAR AGRAWAL
Flat No.8, 3rd Floor,
42/37, Aspiran Garden 1st Street,
Kilpauk, Chennai-600 010.
Ph: 2644 6017, 93822 24545.



FLOOR SLAB & BEAM LAYOUT

FIFTH FLOOR PLAN

R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
~~SE/GR-I/19/10/213~~
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423

PROPOSED FLATS AT PERUNGUDI
PROJECT:
CLIENT:
NAHAR FOUNDATIONS

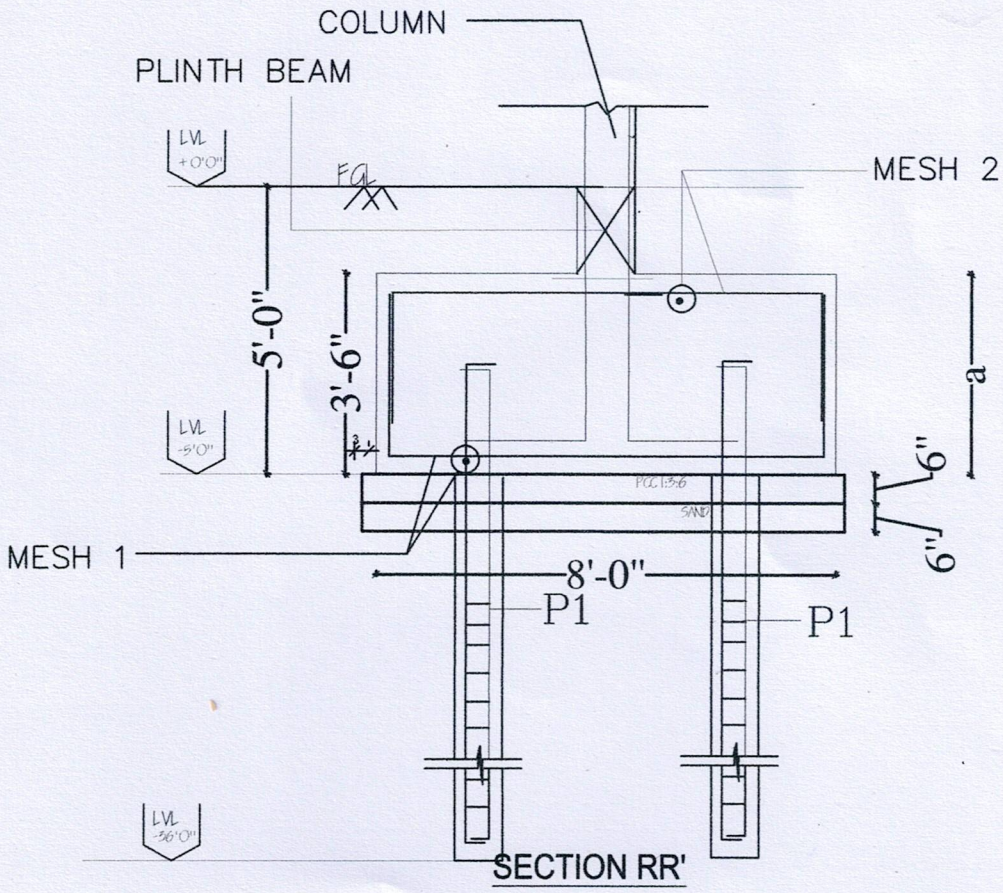
FLOOR SLAB AND BEAM
SHEET-4

DRN S.GOKUL KUMAR	SCALE 1"=8'
CHD	DATE 25-7-2024

STRUCTURAL CONSULTANT :
R.KOTTEESWARAN B.E (Hons),
M.E. (Structures),
122, PERAMBUR HIGH ROAD,
PERAMBUR, CHENNAI- 600 011

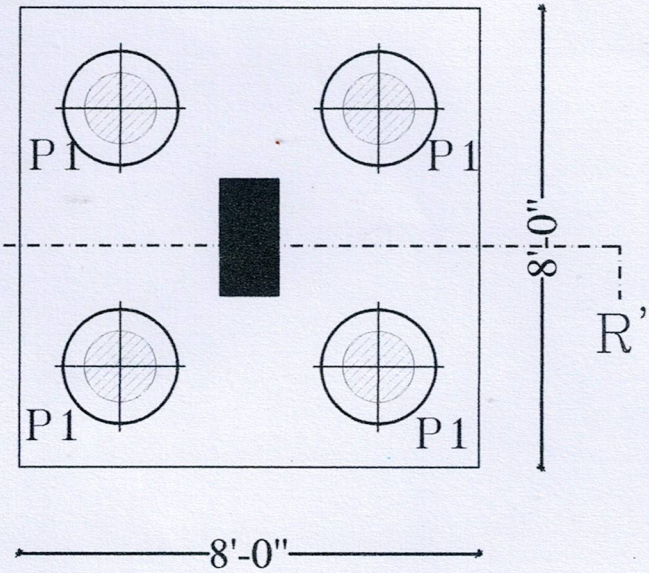
DRG. NO: SE/EO/NAHAR/PERUNGUDI/2024

ARCHITECT :
NAVEEN KUMAR AGRAWAL
2247, ASPIRAN GARDEN 1ST STREET,
KILPAUK, CHENNAI - 10.
PH: 2644 6017, 98406 75645



SECTION RR'

CAP1



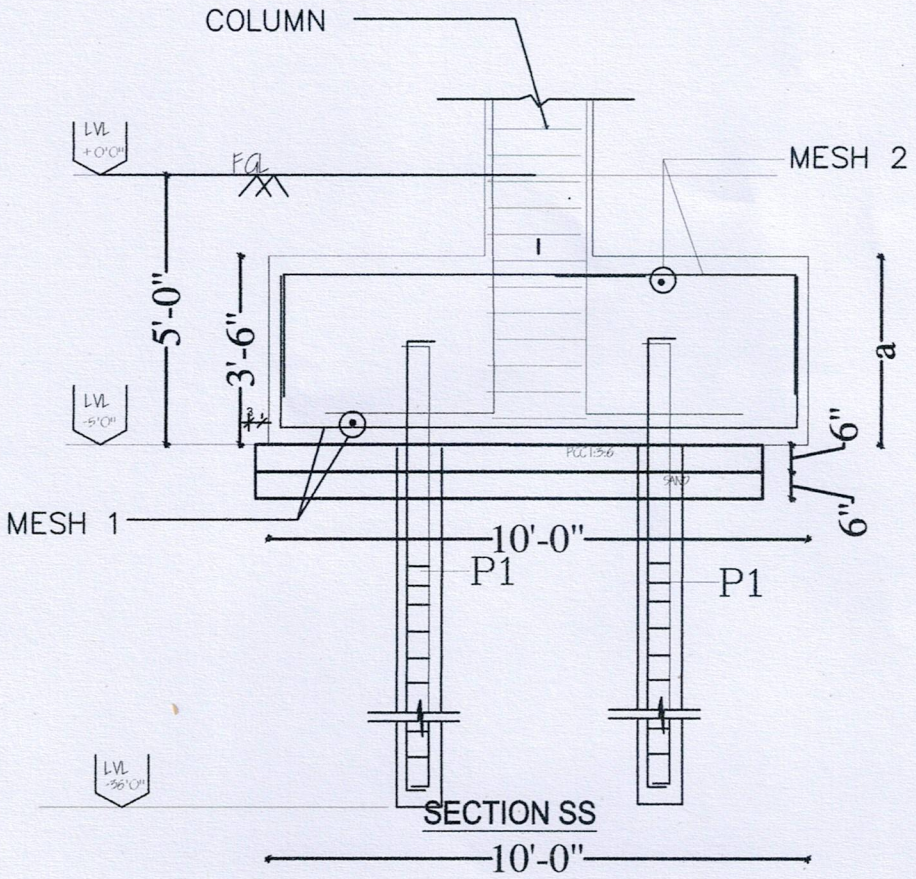
PLAN OF CAP1
TYPICAL

FOOTING DETAIL	SHEET--5

DRN S.GOKUL KUMAR	SCALE 1"=8'
CHD	DATE 25-7-2024

R.KOTTEESWARAN B.E (Hons),
M.E. (Structures),
122, PERAMBUR HIGH ROAD,
PERAMBUR, CHENNAI- 600 011
DRG. NO: S1/RO/PERUNGUDI/CHENNAI/2024

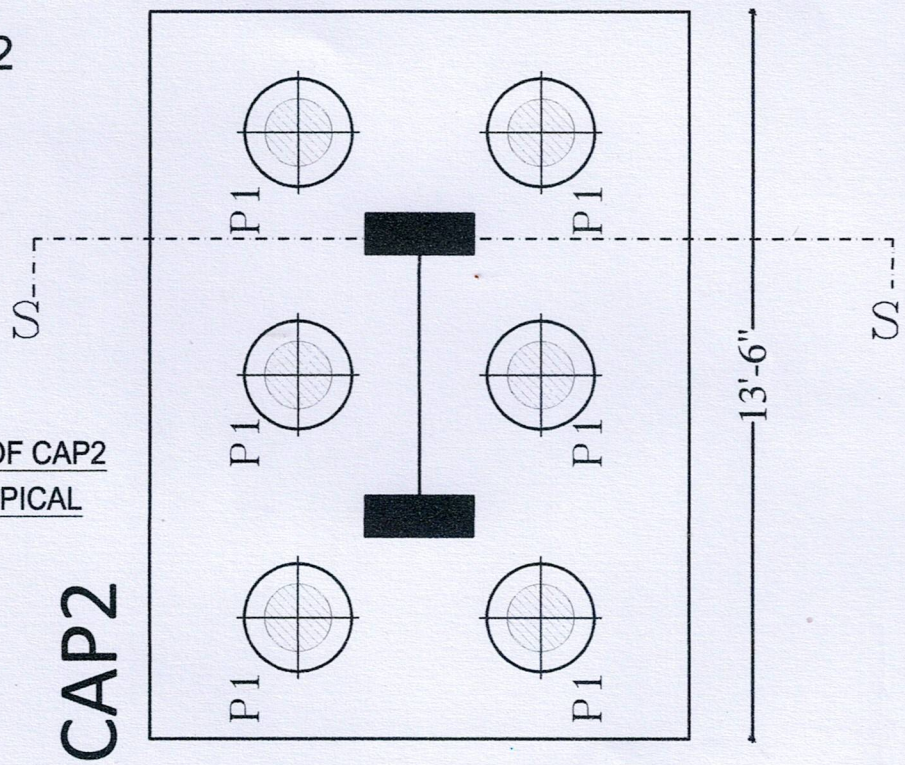
R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423



SECTION SS

10'-0"

CAP2



PLAN OF CAP2
TYPICAL

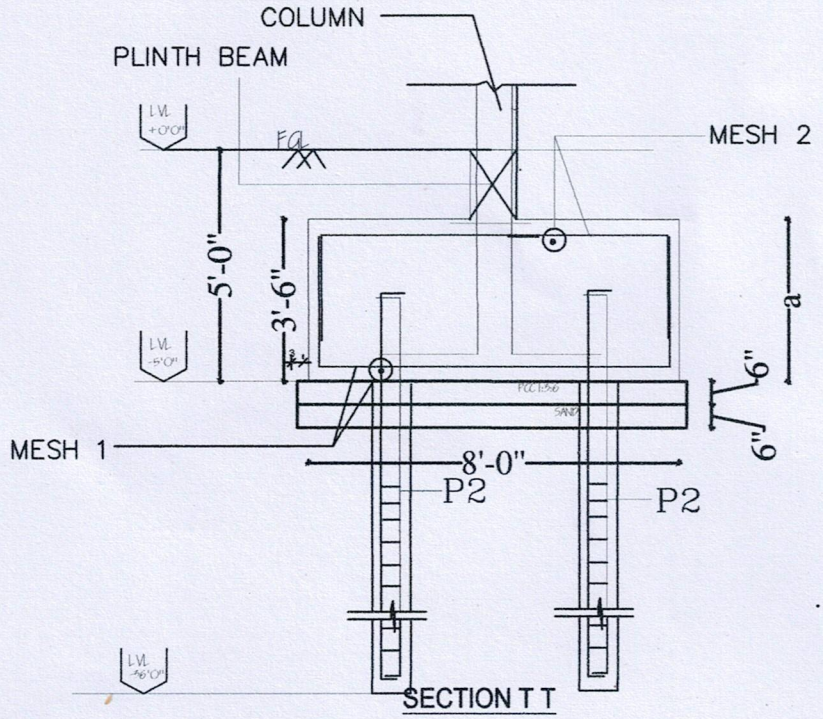
CAP2

FOOTING DETAIL	SHEET–6

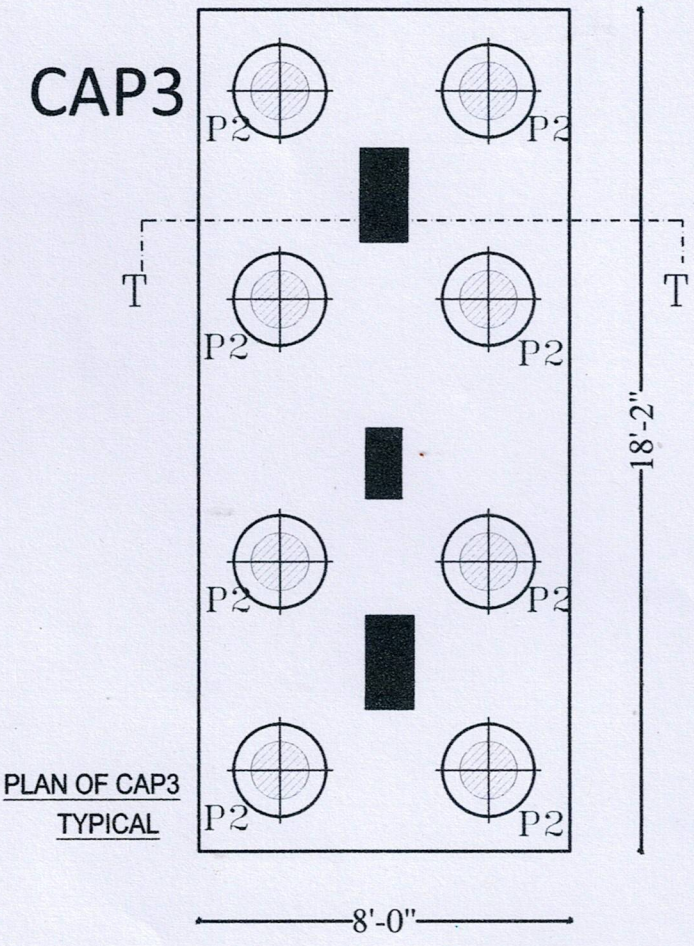
DRN S.GOKUL KUMAR	SCALE 1"=8'
CHD	DATE 25-7-2024

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M.E. (Structures),
122, PERAMBUR HIGH ROAD,
PERAMBUR, CHENNAI- 600 011
REG. NO: S1/EO/PERUNGUDI/CHENNAI/2024

R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.



SECTION T T



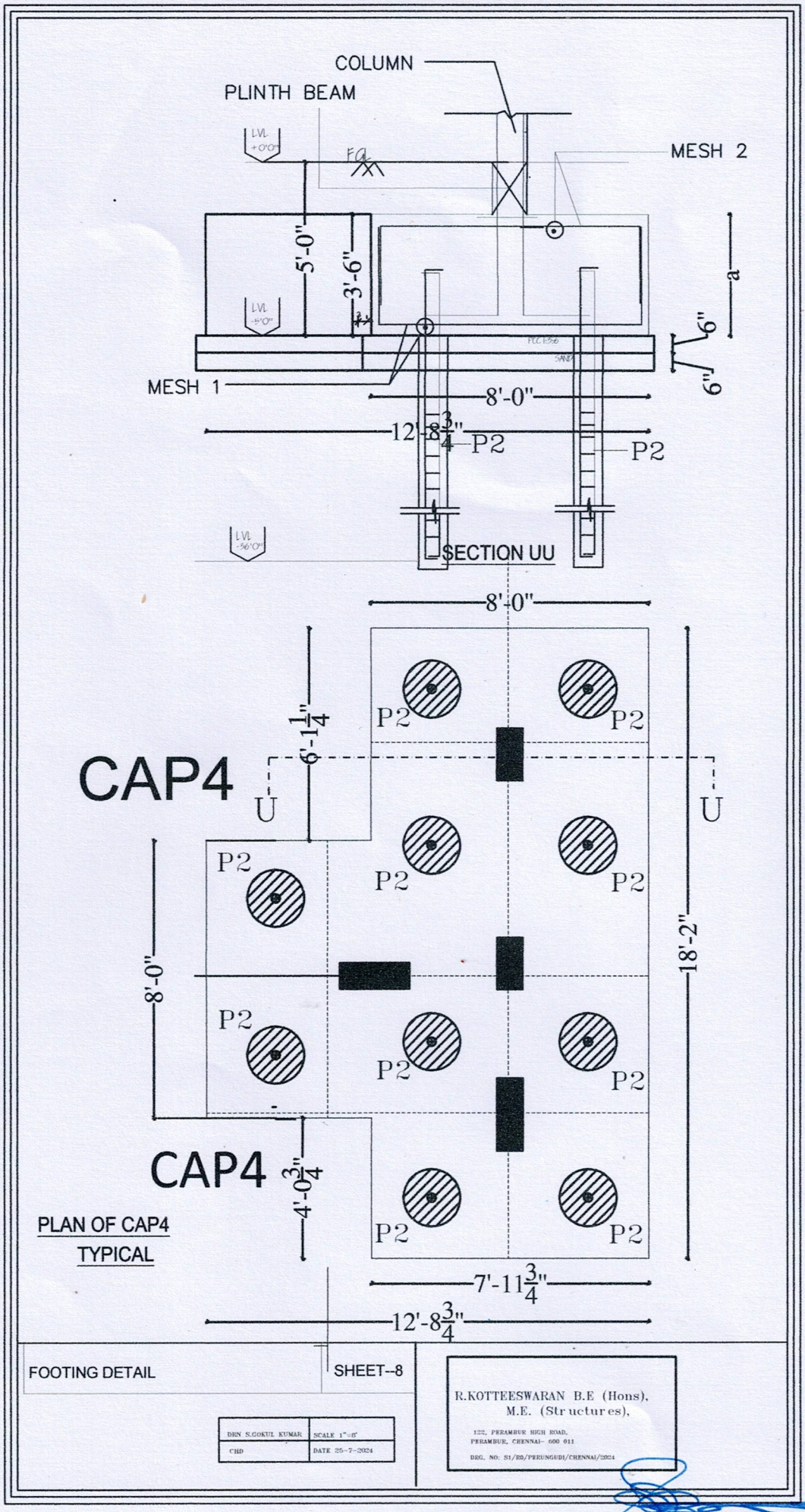
PLAN OF CAP3
TYPICAL

FOOTING DETAIL	SHEET--7

DRN S.GOKUL KUMAR	SCALE 1"=5'
CHD	DATE 25-7-2024

R.KOTTEESWARAN B.E (Hons),
M.E. (Structures),
122, PERAMBUR HIGH ROAD,
PERAMBUR, CHENNAI- 600 011
REG. NO: S1/RG/PERUNGUDI/CHENNAI/2024

R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423



PLAN OF CAP4
TYPICAL

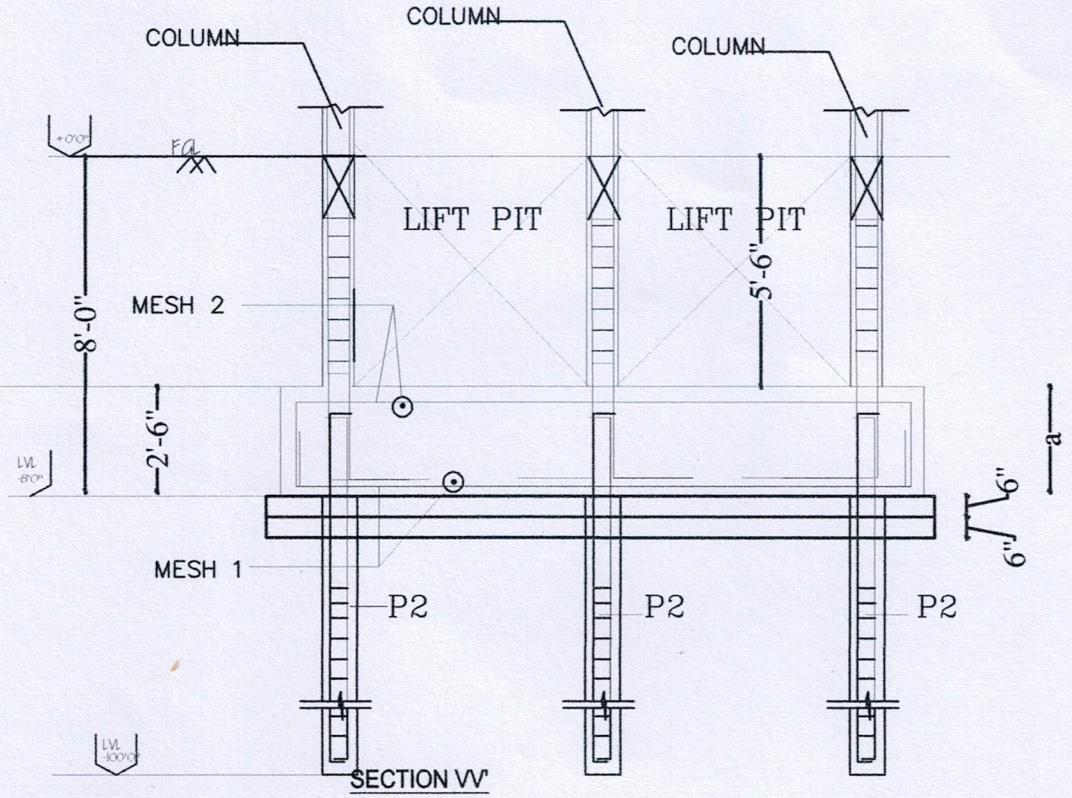
FOOTING DETAIL

SHEET--8

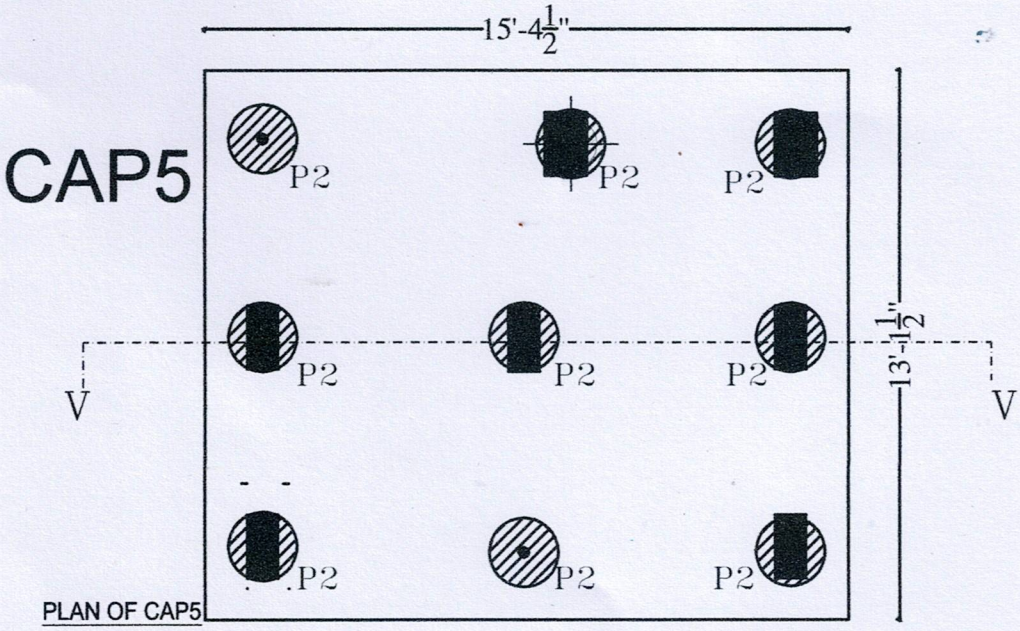
DRN S.GOKUL KUMAR	SCALE 1"=8'
CHD	DATE 25-7-2024

R.KOTTEESWARAN B.E (Hons),
M.E. (Structures),
122, PERAMBUR HIGH ROAD,
PERAMBUR, CHENNAI- 600 011
DRG. NO: S1/RD/PERUNGUDI/CHENNAI/2024

R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423



SECTION VV'



PLAN OF CAP5
TYPICAL

FOOTING DETAIL	SHEET--9

DRN S.GOKUL KUMAR	SCALE 1"=8'
CHD	DATE 25-7-2024

R.KOTTEESWARAN B.E (Hons), M.E. (Structures),
122, PERAMBUR HIGH ROAD, PERAMBUR, CHENNAI- 600 011
DEG. NO: 51/EG/PERUNGUDI/CHENNAI/2024

R. KOTTESWARAN
B.E.(HONS), M.E. (STRUCTURES),
Structural Engineer Grade-I (SE)
SE/GR-I/19/10/213
No: 122, Perambur High Road,
Perambur, Chennai-600 011.
Mobile: 9940061423



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