Verified RealEstate™

Your trusted partner for buying, selling, and managing property, ensuring hassle-free service with 100% transparency.

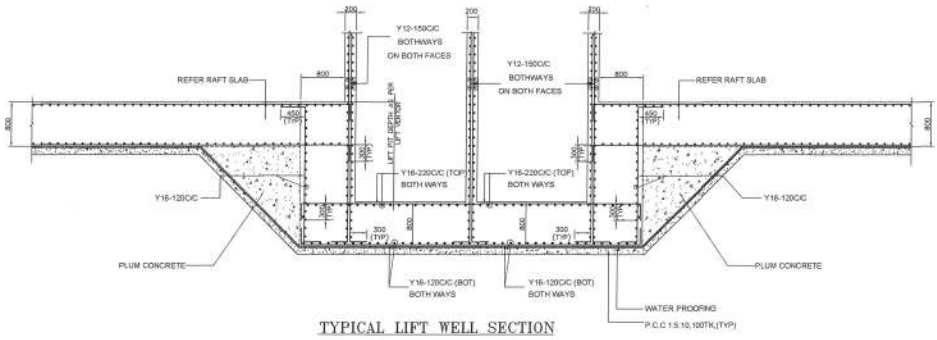
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

hello@verified.realestate
+91 9996 12 9996

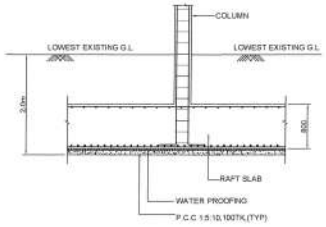
Official Property Record

Digitally Verified Record - Powered by Verified RealEstate™





TYPICAL LIFT WELL SECTION



TYPICAL RAFT SECTION

Dr. J. SURESH, M.E., MIE., Ph.D.,
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/1/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGLDIST/SE/Gr-1/2024/07/005

NOTE

1. REFER ARCHITECTURAL DRAWING FOR CENTER LINE DIMENSION
2. ONLY WRITTEN DIMENSION TO BE FOLLOWED
3. ANY DISCREPENCIES NOTICED IN THE DRG. SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY
4. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS
5. GRADE OF CONCRETE
   (a) MINIMUM CEMENT CONTENT TO BE FOLLOWED AS PER IS CODE
   (b) M30 FOR COLUMN
   (c) M 25 FOR ALL OTHER R.C.C WORK
6. "Y" DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE FE500 CONFORMING TO IS 1786
7. CLEAR COVER TO THE MAIN STEEL
   50 FOR PILE
   60 FOR PILE CAP
   75 FOR FOOTINGS , RAFT SLABS & RAFT BEAMS
   40 FOR COLUMNS
   25 FOR BEAMS
   25 FOR SLAB
   100 FOR R.C.C WALL(SOIL SIDE)
   30 FOR R.C.C WALL(INNER SIDE)

   SHALL LAPS IN PILE REINFORCEMENT SHALL BE WELDED TO AN EXTENT OF 10 DIA OF THE BAR (i.e 10DIA WELD)
   TEMA SUP AND 10 DIA WELD OR LAPPED WITH TAC WELDING
   (BOTTOM COVER TO THE REINFORCEMENT CAGE MUST BE 200mm THE REQUIRED REINFORCEMENT MUST BE DONE INITIALLY)
8. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA AT EVERY 1000 C.C
9. CHAIR BOLT SHOULD BE EVERY 1.5m INTERVALS
10. FOR EARTHQUAKE ANALYSIS IS TAKEN AS PER I.S. 1893
11. LAP JOINTS FOR REINFORCEMENT BARS:
   (a) AT ANY CROSS SECTION OF THE MEMBER, NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
   (b) LAPS SHALL BE STAGGERED WITH A MINIMUM LAP CENTRE TO LAP CENTRE DISTANCE SHALL BE 1.5L
   (c) LAP LENGTH SHALL BE 50 TIMES DIAMETER OF THE BAR FOR TENSION AND COMPRESSION MEMBERS.
   (d) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT BEAM, COLUMN JUNCTION
   (e) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED PREFERABLY AT POINT OF CONTRAFLEXURE.
12. HOOK LENGTH OF STIRRUPS 8d or 75mm, WITH HOOK ANGLE SHOULD BE 135 DEGREE.
13. BEAM, COLUMN JUNCTION STIRRUPS SPACING SHOULD BE 100mm AT DISTANCE OF 450MM FROM THE BEAM/COLUMN FACES UNLESS OTHERWISE SPECIFIED IN THE DRAWING.
14. COLUMN, BEAM JUNCTION SHOULD BE COLUMN CONCRETE GRADE.
WHEREVER NOTICED IN THE DRAWING.

Revision No	Description of Revision	Date
Date:	04-09-24	Drawn By: SANKAR

STRUCTURAL CONSULTANT

UNIVERSAL CONSULTANTS
CIVIL & STRUCTURAL CONSULTING ENGINEERS
Dr.J.SURESH, M.E., MIE.,Ph.D

LANDLINE NO:- 044-24455668, 8939397579.
projects@universalconsultants.net
www.universalconsultants.net

CLIENT

ARCHITECT

PROJECT NAME

THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 17 BLOCKS; COMBINED BASEMENT FLOOR FOR BLOCK A TO D; BLOCK A TO H, J TO N, P & Q – STILT FLOOR + 5 FLOORS (HEIGHT –16.30M) RESIDENTIAL WITH 655 DWELLING UNITS; COMMERCIAL BLOCK – BASEMENT FLOOR + GROUND FLOOR + 2 FLOORS (HEIGHT –13.26M); AMENITY BLOCK –BASEMENT FLOOR (PART) + GROUND FLOOR + 3 FLOORS (HEIGHT –16.60M) AT BHARANIPUTHUR MAIN ROAD KOLATHUVANCHERRY, CHENNAI 600056 COMPRISED IN S.NOS. 133/1A, 134/2, 136/1, 136/2A, 136/2B, 137,138,139,140, 141/1A1, 141/1B & 141/2 OF KOLATHUVANCHERRY VILLAGE WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

DRAWING TITLE

ALL BLOCK COLUMN DETAIL

COL-NO	BASEMENT & STILT FLOOR		SHAPE OF TIES	FIRST FLOOR		SECOND FLOOR		THIRD FLOOR		FOURTH FLOOR		FIFTH FLOOR		SHAPE OF TIES
	SECTION	REINFORCEMENT		SECTION	REINFORCEMENT	SECTION	REINFORCEMENT	SECTION	REINFORCEMENT	SECTION	REINFORCEMENT	SECTION	REINFORCEMENT	
COL-C5														
COL-C5A														
COL-C4														
COL-C4A														
COL-C6														
COL-C6A														
COL-C8														
COL-C8A														
COL-C9														
COL-C7A														

NOTE

1 REFER ARCHITECTURAL DRAWING FOR CENTER LINE DIMENSION

2 ONLY WRITTEN DIMENSION TO BE FOLLOWED

3 ANY DISCREPENCIES NOTICED IN THE DRG SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY

4 THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS

5 GRADE OF CONCRETE
- (a) MINIMUM CEMENT CONTENT TO BE FOLLOWED AS PER IS:456
- (b) M 30 FOR COLUMN
- (c) M 25 FOR ALL OTHER RCC WORK

6 'Fe' DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE FE550 CONFORMING TO IS 1786

7 CLEAR COVER TO THE MAIN STEEL
- (a) FOR PILE
- (b) FOR PILE CAP
- (c) FOR FOOTINGS , RAFT SLABS & RAFT BEAMS
- (d) FOR COLUMNS
- (e) FOR BEAMS
- (f) FOR SLAB
- (g) FOR R.C.C WALL (OUTSIDE SIDE)
- (h) FOR R.C.C WALL (INNER SIDE)

LEVEL LAPS IN PILE REINFORCEMENT SHALL BE INCLINED TO AN EXTENT OF 1:6 (1M OF THE BAR IN 6M HOLE)

SIDE BAR WHETHER IN TEN VELOCITY OR LAPPED WITH TACK WELDING

DIRECTION COVER TO THE REINFORCEMENT CARE MUST BE 200mm. THIS REQUIRED ARRANGEMENT MUST BE DONE INITIALLY

9 SPACERS BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA AT EVERY 1000 C/C

9 CHAIR ROD SHOULD BE EVERY 1.5M INTERVALS

10 FOR EARTHQUAKE ANALYSIS IS TAKEN AS PER IS : 1893

11 LAP JOINTS FOR REINFORCEMENT BARS
- (i) BY ANY CROSS SECTION OF THE MEMBER NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED
- (ii) LAPS SHALL BE STAGGERED WITH A MINIMUM LAP CENTRE TO LAP CENTRE DISTANCE SHALL BE 1.3L
- (iii) LAP LENGTH SHALL BE 50 TIMES DIAMETER OF THE BAR FOR TENSION AND COMPRESSION MEMBERS
- (iv) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT BEAM COLUMN JUNCTION
- (v) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED PREFERABLY AT POINT OF CONTRAFLEXURE

12 HOOK LENGTH OF STIRRUPS SHALL BE 75mm WITH HOOK ANGLE SHOULD BE 135 DEGREE

13 BEAM COLUMN JUNCTION STIRRUPS SPACING SHOULD BE 100mm AT DISTANCE OF 100mm FROM THE BEAM COLUMN FACING UNLESS OTHERWISE SPECIFIED IN THE DRAWING

14 COLUMN BEAM JUNCTION SHOULD BE COLUMN CONCRETE GRADE.

15 ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED IN THE DRAWING

Dr. J. SURESH, M.E., MIE., Ph.D.
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/1/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGL/DIST/SE/Gr-1/2024/ 07/005

Revision No	Description of Revision	Date
Date:	04-09-24	Drawn By: SANKAR

STRUCTURAL CONSULTANT

UNIVERSAL CONSULTANTS
CIVIL & STRUCTURAL CONSULTING ENGINEERS
Dr.J.SURESH,M.E., MIE.,Ph.D
LANDLINE NO:-044-24455666, 8939357578.
projects@universalconsultants.net
www.universalconsultants.net

CLIENT

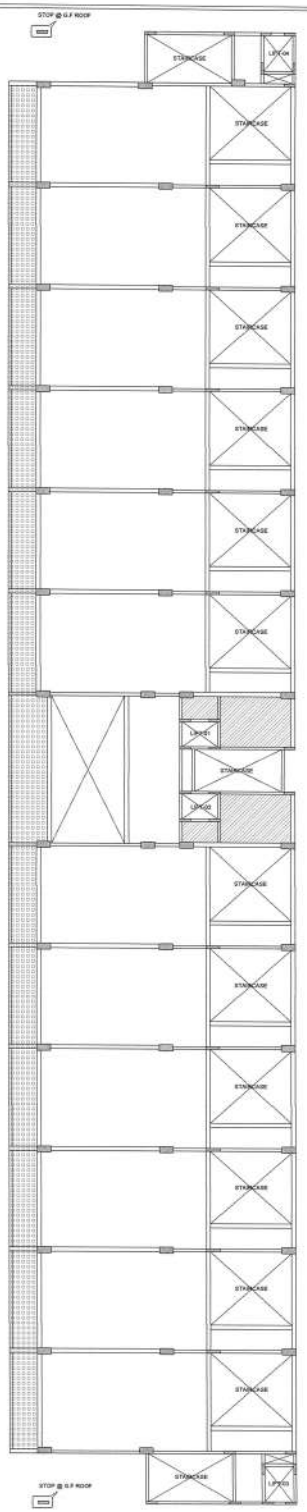
ARCHITECT

PROJECT NAME

THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 17 BLOCKS; COMBINED BASEMENT FLOOR FOR BLOCK A TO D; BLOCK A TO H, J TO N, P & Q – STILT FLOOR + 5 FLOORS (HEIGHT –16.30M) RESIDENTIAL WITH 655 DWELLING UNITS; COMMERCIAL BLOCK – BASEMENT FLOOR + GROUND FLOOR + 2 FLOORS (HEIGHT –13.26M); AMENITY BLOCK –BASEMENT FLOOR (PART) + GROUND FLOOR + 3 FLOORS (HEIGHT –16.60M) AT BHARANIPUTHUR MAIN ROAD KOLATHUVANCHERRY, CHENNAI 600056 COMPRISED IN S.NOS. 133/1A, 134/2, 136/1, 136/2A, 136/2B, 137,138,139,140, 141/1A1, 141/1B & 141/2 OF KOLATHUVANCHERRY VILLAGE WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

DRAWING TITLE

ALL BLOCK COLUMN DETAIL



TERRACE SUNKEN

OPEN TERRACE SUNKEN

Dr. J. SURESH, M.E., MIE., Ph.D.
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/I/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGLDIST/SE/Gr-I/2024/07/005

NOTE

S+2

1. REFER ARCHITECTURAL DRAWING FOR CENTER LINE DIMENSION
2. ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. ANY DISCREPENDIES NOTICED IN THE DRG. SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY.
4. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
5. GRADE OF CONCRETE
   (a) MINIMUM CEMENT CONTENT TO BE FOLLOWED AS PER IS CODE
   (b) M-30 FOR COLUMN
   (c) M-25 FOR ALL OTHER RCC WORK
6. "Fe" GRADE TMT HIGH STRENGTH DEFORMED BARS OF GRADE Fe500 CONFORMING TO IS 1786
7. CLEAR COVER TO THE MAIN STEEL
   50 FOR PILE
   50 FOR PILE CAP
   50 FOR FOOTINGS , RAFT SLABS & RAFT BEAMS.
   40 FOR COLUMNS.
   25 FOR BEAMS
   25 FOR SLAB
   50 FOR R.C.C WALL(SOIL SIDE)
   25 FOR R.C.C WALL(INNER SIDE)
   (a)ALL LAPS IN PILE REINFORCEMENT SHALL BE WELDED TO AN EXTENT OF 10 DIA OF THE BAR (i.e 10 DIA WELD , 10DIA GAP AND 10 DIA WELD) OR LAPPED WITH TAC WELDING.
   (b)BOTTOM COVER TO THE REINFORCEMENT CAGE MUST BE 250mm. THE REQUIRED ARRANGEMENT MUST BE DONE INITIALLY.
8. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA AT EVERY 1000 C/C
9. CHAIR BOS SHOULD BE EVERY 1.5m INTERVALS.
10. FOR EARTHQUAKE ANALYSIS IS TAKEN AS PER IS : 1893
11. LAP JOINTS FOR REINFORCEMENT BARS :
   (i) AT ANY CROSS SECTION OF THE MEMBER,NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
   (ii) LAPS SHALL BE STAGGERED WITH A MINIMUM LAP CENTRE TO LAP CENTRE DISTANCE SHALL BE 1.3 d
   (iii) LAP LENGTH SHALL BE 50 TIMES DIAMETER OF THE BAR FOR TENSION AND COMPRESSION MEMBERS.
   (iv) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT BEAM, COLUMN JUNCTION.
   (v) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED PREFERABLY AT POINT OF CONTRAFLEXURE .
12. HOOK LENGTH OF STIRRUPS 8d or 75mm, WITH HOOK ANGLE SHOULD BE 135 DEGREE.
13. BEAM, COLUMN JUNCTION STIRRUPS SPACING SHOULD BE 150mm AT DISTANCE OF 450mm FROM THE BEAM/COLUMN FACING UNLESS OTHERWISE SPECIFIED IN THE DRAWING
14. COLUMN, BEAM JUNCTION SHOULD BE COLUMN CONCRETE GRADE.
   WHATEVER MENTIONED IN THE DRAWING.

Revision No	Description of Revision		Date
Date:	04.09.2024	Drawn By:	ANAGHA

STRUCTURAL CONSULTANT

UNIVERSAL CONSULTANTS
CIVIL & STRUCTURAL CONSULTING ENGINEERS
Dr.J.SURESH,M.E .,MIE.,Ph.D
LANDLINE,NO:-044-24455666, 8939397579.
projects@universalconsultants.net
www.universalconsultants.net

CLIENT

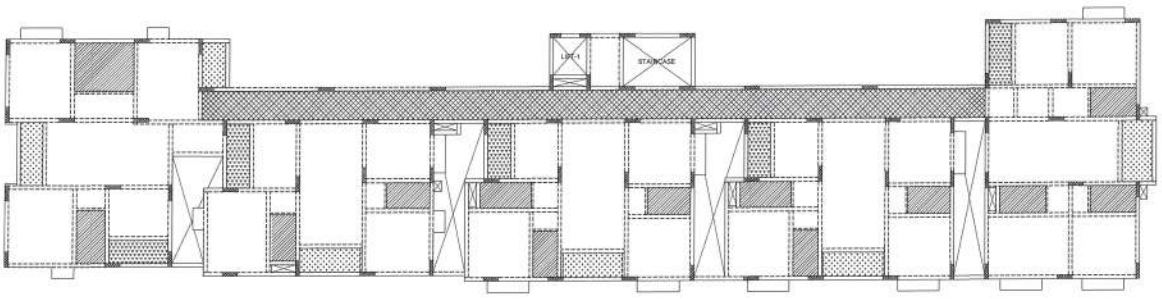
ARCHITECT

PROJECT NAME:

THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 17 BLOCKS; COMBINED BASEMENT FLOOR FOR BLOCK A TO D; BLOCK A TO H, J TO N, P & Q -STILT FLOOR + 5 FLOORS (HEIGHT -18.30M) RESIDENTIAL WITH 655 DWELLING UNITS; COMMERCIAL BLOCK - WITH 655 DWELLING UNITS; COMMERCIAL BLOCK-BASEMENT FLOOR+GROUND FLOOR+2 FLOORS (HEIGHT-13.25M); AMENITY BLOCK-BASEMENT FLOOR (PART)+GROUND FLOOR+3 FLOORS (HEIGHT-16.60M) AT GROUND FLOOR +3 FLOORS(HEIGHT -16.60M) AT BHARANIPUTHUR MAIN ROAD KOLATHUVANCHERRY, CHENNAI 600056 COMPRISED IN S.NOS.133/1A, 134/2,136/1, 136/2A, 136/2B, 137,138,139,140, 141/1A1, 141/1B & 141/2 OF KOLATHUVANCHERRY VILLAGE WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

DRAWING TITLE :

COMMERCIAL BLOCK
TYPICAL FLOOR ROOF BEAM LAYOUT



NOTE

S+5

1. REFER ARCHITECTURAL DRAWING FOR CENTER LINE DIMENSION
2. ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. ANY DISCREPANCIES NOTICED IN THE DRG. SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY.
4. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
5. GRADE OF CONCRETE
   (a) MINIMUM CEMENT CONTENT TO BE FOLLOWED AS PER IS CODE
   (b) M-30 FOR COLUMN
   (c) M-25 FOR ALL OTHER RCC WORK
6. "Y" DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE FE500 CONFORMING TO IS 1786
7. CLEAR COVER TO THE MAIN STEEL
   50 FOR PILE
   50 FOR PILE CAP
   50 FOR FOOTINGS , RAFT SLABS & RAFT BEAMS.
   40 FOR COLUMNS
   30 FOR BEAMS
   25 FOR SLAB
   50 FOR R.C.C WALL(EXT. SIDE)
   30 FOR R.C.C WALL(INNER SIDE)
8. (a)ALL LAPS IN PILE REINFORCEMENT SHALL BE WELDED TO AN EXTENT OF 10 DIA OF THE BAR (i.e 10 DIA WELD , 1/2DIA GAP AND 10 DIA WELD) OR LAPPED WITH TAC WELDING.
   (b)BOTTOM COVER TO THE REINFORCEMENT CAGE MUST BE 300mm . THE REQUIRED ARRANGEMENT MUST BE DONE INITIALLY .
9. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA AT EVERY 1000 C/C
10. CHAIR ROD SHOULD BE EVERY 1.5m INTERVALS
11. FOR EARTHQUAKE ANALYSIS IS TAKEN AS PER IS : 1893
12. LAP JOINTS FOR REINFORCEMENT BARS:
   (a) AT ANY CROSS SECTION OF THE MEMBER,NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
   (b) LAPS SHALL BE STAGGERED WITH A MINIMUM LAP CENTRE TO LAP CENTRE DISTANCE SHALL BE 1.3Ld
   (c) LAP LENGTH SHALL BE 50 TIMES DIAMETER OF THE BAR FOR TENSION AND COMPRESSION MEMBERS .
   (d) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT BEAM- COLUMN JUNCTION
   (e) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED PREFERABLY AT POINT OF CONTRAFLEXURE.
13. HOOK LENGTH OF STIRRUPS BE of 75mm, WITH HOOK ANGLE SHOULD BE 135 DEGREE.
14. DRAW, COLUMN JUNCTION STIRRUPS SPACING SHOULD BE 150mm AT DISTANCE OF 600mm FROM THE BEAM/COLUMN FACING UNLESS OTHERWISE SPECIFIED IN THE DRAWING
15. COLUMN, BEAM JUNCTION SHOULD BE COLUMN CONCRETE GRADE.
   WHATEVER MENTIONED IN THE DRAWING.

Revision No	Description of Revision		Date
Date:	04.09.2024	Drawn By:	ANACHA

STRUCTURAL CONSULTANT

UNIVERSAL CONSULTANTS
CIVIL & STRUCTURAL CONSULTING ENGINEERS
Dr.J.SURESH,ME., MIE.,Ph.D
LANDLINE NO:-044-24455666, 8939397579.
projects@universalconsultants.net
www.universalconsultants.net

CLIENT

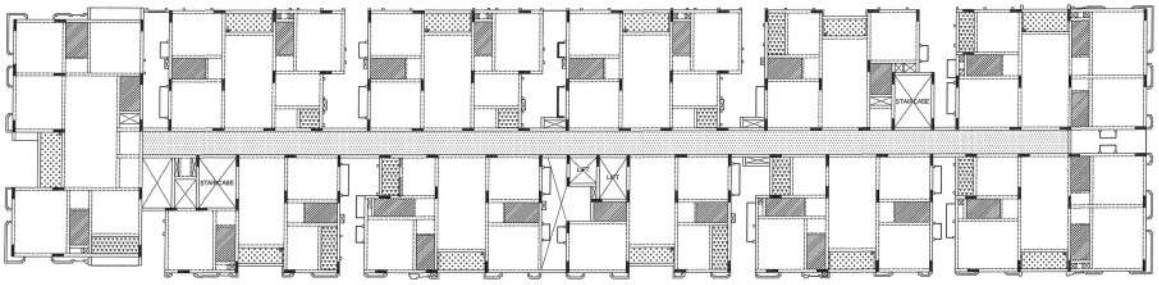
ARCHITECT

PROJECT NAME:
THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 17 BLOCKS; COMBINED BASEMENT FLOOR FOR BLOCK A TO D; BLOCK A TO H, J TO N, P & Q –STILT FLOOR + 5 FLOORS (HEIGHT –18.30M) RESIDENTIAL WITH 655 DWELLING UNITS; COMMERCIAL BLOCK – WITH 655 DWELLING UNITS; COMMERCIAL BLOCK–BASEMENT FLOOR+GROUND FLOOR+2 FLOORS (HEIGHT–13.20M); AMENITY BLOCK–BASEMENT FLOOR (PART)+GROUND FLOOR+3 FLOORS (HEIGHT–16.80M) AT GROUND FLOOR +3 FLOORS(HEIGHT –16.50M) AT BHARANIPUTHUR MAIN ROAD KOLATHUVANCHERRY, CHENNAI 600056 COMPRISED IN S.NOS.133/1A, 134/2,136/1, 136/2A, 136/2B, 137,138,139,140, 141/1A1, 141/1B & 141/2 OF KOLATHUVANCHERRY VILLAGE WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

DRAWING TITLE :
BLOCK– Q
TYPICAL FLOOR ROOF BEAM LAYOUT

Dr. J. SURESH, M.E., MIE., Ph.D.
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/I/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGLDIST/SE/Gr-I/2024/07/005

	TOILET SUNKEN
	BALCONY SUNKEN
	SERVICE SUNKEN
	CORRIDOR SUNKEN



NOTE

S+5

1. REFER ARCHITECTURAL DRAWING FOR CENTER LINE DIMENSION
2. ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. ANY DISCREPENCIES NOTICED IN THE DRG. SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY.
4. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
5. GRADE OF CONCRETE
   (a) MINIMUM CEMENT CONTENT TO BE FOLLOWED AS PER IS CODE
   (b) M-30 FOR COLUMN
   (c) M-25 FOR ALL OTHER RCC WORK
6. "Fe" DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE FE550 CONFORMING TO IS 1786
7. CLEAR COVER TO THE MAIN STEEL
   50 FOR PILE
   50 FOR PILE CAP
   50 FOR FOOTINGS , RAFT SLABS & RAFT BEAMS
   40 FOR COLUMNS
   30 FOR BEAMS
   25 FOR SLAB
   50 FOR R.C.C WALL(SOIL SIDE)
   30 FOR R.C.C WALL(INNER SIDE)
(a)ALL LAPS IN PILE REINFORCEMENT SHALL BE WELDED TO AN EXTENT OF 10 DIA OF THE BAR (i.e 10 DIA WELD , 16DIA GAP AND 10 DIA WELD) OR LAPPED WITH TAC WELDING.
(b)BOTTOM COVER TO THE REINFORCEMENT CAGE MUST BE 200mm. THE REQUIRED ARRANGEMENT HAVE BE DONE INITIALLY.
8. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA AT EVERY 1000 C/C
9. CHAIR ROD SHOULD BE EVERY 1.0m INTERVALS.
10. FOR EARTHQUAKE ANALYSIS IS TAKEN AS PER I.S : 1893
11. LAP JOINTS FOR REINFORCEMENT BARS :
   (i) AT ANY CROSS SECTION OF THE MEMBER,NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
   (ii) LAPS SHALL BE STAGGERED WITH A MINIMUM LAP CENTRE TO LAP CENTRE DISTANCE SHALL BE 1.3Ld
   (iii) LAP LENGTH SHALL BE 50 TIMES DIAMETER OF THE BAR FOR TENSION AND COMPRESSION MEMBERS .
   (iv) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT BEAM, COLUMN JUNCTION
   (v) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED PREFERABLY AT POINT OF CONTRAFLEXURE .
12. HOOK LENGTH OF STIRRUPS 9d or 75mm, WITH HOOK ANGLE SHOULD BE 135 DEGREE.
13. BEAM, COLUMN JUNCTION STIRRUPS SPACING SHOULD BE 150mm AT DISTANCE OF 450mm FROM THE BEAM/COLUMN FACING UNLESS OTHERWISE SPECIFIED IN THE DRAWING
14. COLUMN, BEAM JUNCTION SHOULD BE COLUMN CONCRETE GRADE. WHATEVER MENTIONED IN THE DRAWING.

Revision No	Description of Revision		Date
Date:	04.09.2024	Drawn By:	ANAGHA

STRUCTURAL CONSULTANT

UNIVERSAL CONSULTANTS
CIVIL & STRUCTURAL CONSULTING ENGINEERS
Dr.J.SURESH,M.E., MIE.,Ph.D

LANDLINE NO:-044-24455666, 8939397579.

projects@universalconsultants.net
www.universalconsultants.net

CLIENT

ARCHITECT

PROJECT NAME:

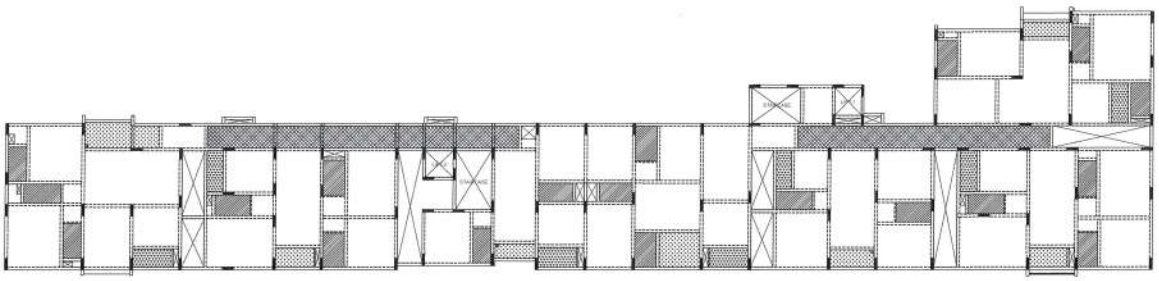
THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 17 BLOCKS; COMBINED BASEMENT FLOOR FOR BLOCK A TO D; BLOCK A TO H, J TO N, P & Q –STILT FLOOR + 5 FLOORS (HEIGHT –18.30M) RESIDENTIAL WITH 855 DWELLING UNITS; COMMERCIAL BLOCK – WITH 855 DWELLING UNITS; COMMERCIAL BLOCK–BASEMENT FLOOR+GROUND FLOOR+2 FLOORS (HEIGHT–13.25M); AMENITY BLOCK–BASEMENT FLOOR (PART)+GROUND FLOOR+3 FLOORS (HEIGHT– 16.60M) AT GROUND FLOOR +3 FLOORS(HEIGHT –16.60M) AT BHARANIPUTHUR MAIN ROAD KOLATHUVANCHERRY, CHENNAI 600056 COMPRISED IN S.NOS.133/1A, 134/2,136/1, 136/2A, 136/2B, 137,138,139,140, 141/1A1, 141/1B & 141/2 OF KOLATHUVANCHERRY VILLAGE WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

DRAWING TITLE :

BLOCK– M,N & P
TYPICAL FLOOR ROOF BEAM LAYOUT

Dr. J. SURESH, M.E., MIE., Ph.D.
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/1/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGLDIST/SE/Gr-1/2024/07/005

	TOILET SUNKEN
	BALCONY SUNKEN
	SERVICE SUNKEN
	CORRIDOR SUNKEN



Dr. J. SURESH, M.E., MIE., Ph.D
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/1/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGLDIST/SE/Gr-1/2024/07/005

	TOILET SUNKEN
	BALCONY SUNKEN
	SERVICE SUNKEN
	CORRIDOR SUNKEN

S+5

NOTE

1. REFER ARCHITECTURAL DRAWING FOR CENTER LINE DIMENSION
2. ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. ANY DISCREPENCIES NOTICED IN THE DRG. SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY.
4. S+5 DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
5. GRADE OF CONCRETE
   (a) MINIMUM CEMENT CONTENT TO BE FOLLOWED AS PER IS CODE
   (b) M 30 FOR COLUMN
   (c) M 25 FOR ALL OTHER RCC WORK
6. "Y" DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE FE550 CONFORMING TO IS 1786
7. CLEAR COVER TO THE MAIN STEEL
   50 FOR PILE
   50 FOR PILE CAP
   50 FOR FOOTINGS , RAFT SLABS & RAFT BEAMS
   40 FOR COLUMNS
   30 FOR BEAMS
   25 FOR SLAB
   50 FOR R.C.C WALL(SOIL SIDE)
   20 FOR R.C.C WALL(INNER SIDE)
   (a)ALL LAPS IN PILE REINFORCEMENT SHALL BE WELDED TO AN EXTENT OF 10 DIA OF THE BAR (i.e 10 DIA WELD , 1 BDIA GAP AND 10 DIA WELD) OR LAPPED WITH TAC WELDING.
   (b)BOTTOM COVER TO THE REINFORCEMENT CAGE MUST BE 200mm. THE REQUIRED ARRANGEMENT MUST BE DONE INITIALLY.
8. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA AT EVERY 1000 C/C
9. CHAIR ROD SHOULD BE EVERY 1.0m INTERVALS.
10. FOR EARTHQUAKE ANALYSIS IS TAKEN AS PER IS : 1893
11. LAP JOINTS FOR REINFORCEMENT BARS :
   (i) AT ANY CROSS SECTION OF THE MEMBER,NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
   (ii) LAPS SHALL BE STAGGERED WITH A MINIMUM LAP CENTRE TO LAP CENTRE DISTANCE SHALL BE 1.3Ld
   (iii) LAP LENGTH SHALL BE 50 TIMES DIAMETER OF THE BAR FOR TENSION AND COMPRESSION MEMBERS .
   (iv) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT BEAM, COLUMN JUNCTION
   (v) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED PREFERABLY AT POINT OF CONTRAFLEXURE .
12. HOOK LENGTH OF STIRRUPS 8d or 75mm, WITH HOOK ANGLE SHOULD BE 135 DEGREE.
13. BEAM, COLUMN JUNCTION STIRRUPS SPACING SHOULD BE 100mm AT DISTANCE OF 600mm FROM THE BEAM/COLUMN FACING UNLESS OTHERWISE SPECIFIED IN THE DRAWING
14. COLUMN, BEAM JUNCTION SHOULD BE COLUMN CONCRETE GRADE.
   WHATEVER MENTIONED IN THE DRAWING.

Revision No	Description of Revision		Date
Date:	04.09.2024	Drawn By:	ANAGHA

STRUCTURAL CONSULTANT

UNIVERSAL CONSULTANTS
CIVIL & STRUCTURAL CONSULTING ENGINEERS
Dr.J.SURESH,M.E., MIE.,Ph.D
LANDLINE NO:-044-24455666, 8939397579.
projects@universalconsultants.net
www.universalconsultants.net

CLIENT

ARCHITECT

PROJECT NAME:

THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 17 BLOCKS; COMBINED BASEMENT FLOOR FOR BLOCK A TO D; BLOCK A TO H, J TO N, P & Q -STILT FLOOR + 5 FLOORS (HEIGHT -18.30M) RESIDENTIAL WITH 655 DWELLING UNITS; COMMERCIAL BLOCK - WITH 655 DWELLING UNITS; COMMERCIAL BLOCK-BASEMENT FLOOR+GROUND FLOOR+2 FLOORS (HEIGHT-13.26M); AMENITY BLOCK-BASEMENT FLOOR (PART)+GROUND FLOOR+3 FLOORS (HEIGHT-16.00M) AT GROUND FLOOR +3 FLOORS(HEIGHT -16.00M) AT BHARANIPUTHUR MAIN ROAD KOLATHUVANCHERRY, CHENNAI 600056 COMPRISED IN S.NOS.133/1A, 134/2,136/1, 136/2A, 136/2B, 137,138,139,140, 141/1A1, 141/1B & 141/2 OF KOLATHUVANCHERRY VILLAGE WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

DRAWING TITLE :

BLOCK-L
TYPICAL FLOOR ROOF BEAM LAYOUT

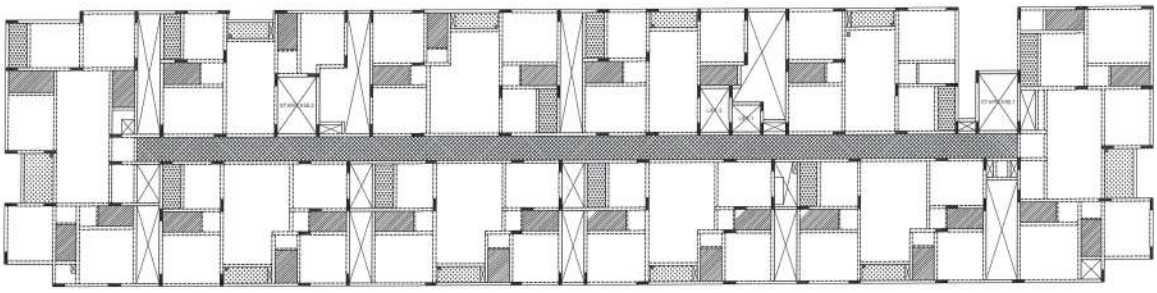
S+5

NOTE

1. REFER ARCHITECTURAL DRAWING FOR CENTER LINE DIMENSION
2. ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. ANY DISCREPENCIES NOTICED IN THE DRG. SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY.
4. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
5. GRADE OF CONCRETE
   (a) MINIMUM CEMENT CONTENT TO BE FOLLOWED AS PER IS CODE
   (b) M-30 FOR COLUMN
   (c) M-25 FOR ALL OTHER RCC WORK
6. "Y" DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE FE500 CONFORMING TO IS 1786
7. CLEAR COVER TO THE MAIN STEEL
   - 75 FOR PILE
   - 50 FOR PILE CAP
   - 50 FOR FOOTINGS , RAFT SLABS & RAFT BEAMS.
   - 40 FOR COLUMNS.
   - 25 FOR BEAMS
   - 20 FOR SLAB
   - 50 FOR R.C.C WALL(SOIL SIDE)
   - 25 FOR R.C.C WALL(INNER SIDE)

(a)ALL LAPS IN PILE REINFORCEMENT SHALL BE WELDED TO AN EXTENT OF 10 DIA OF THE BAR (i.e 10 DIA WELD.
10DIA BAR AND 10 DIA WELD) OR LAPPED WITH TAC WELDING.
(b)BOTTOM COVER TO THE REINFORCEMENT CAGE MUST BE 280mm. THE REQUIRED ARRANGEMENT MUST BE DONE INITIALLY.

8. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA AT EVERY 1000 C/C
9. CHAIR ROD SHOULD BE EVERY 1.5m INTERVALS.
10. FOR EARTHQUAKE ANALYSIS IS TAKEN AS PER IS : 1893
11. LAP JOINTS FOR REINFORCEMENT BARS :
   (i) AT ANY CROSS SECTION OF THE MEMBER NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
   (ii) LAPS SHALL BE STAGGERED WITH A MINIMUM LAP CENTRE TO LAP CENTRE DISTANCE SHALL BE 1.3 Ld
   (iii) LAP LENGTH SHALL BE 50 TIMES DIAMETER OF THE BAR FOR TENSION AND COMPRESSION MEMBERS.
   (iv) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT BEAM, COLUMN JUNCTION
   (v) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED PREFERABLY AT POINT OF CONTRAFLEXURE.
12. HOOK LENGTH OF STIRRUPS 9d or 75mm , WITH HOOK ANGLE SHOULD BE 135 DEGREE.
13. BEAM, COLUMN JUNCTION STIRRUPS SPACING SHOULD BE 100mm AT DISTANCE OF 600mm FROM THE BEAM/COLUMN FACING UNLESS OTHERWISE SPECIFIED IN THE DRAWING.
14. COLUMN, BEAM JUNCTION SHOULD BE COLUMN CONCRETE GRADE.
   WHATEVER MENTIONED IN THE DRAWING.



Revision No	Description of Revision		Date
Date:	04.09.2024	Drawn By:	ANAGHA

STRUCTURAL CONSULTANT

UNIVERSAL CONSULTANTS
CIVIL & STRUCTURAL CONSULTING ENGINEERS
Dr.J.SURESH, M.E., MIE.,Ph.D.
LANDLINE NO.:-044-24455666, 8939397579.
projects@universalconsultants.net
www.universalconsultants.net

CLIENT

ARCHITECT

PROJECT NAME:

THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 17 BLOCKS; COMBINED BASEMENT FLOOR FOR BLOCK A TO D; BLOCK A TO H, J TO N, P & Q -STILT FLOOR + 5 FLOORS (HEIGHT -16.30M) RESIDENTIAL WITH 655 DWELLING UNITS; COMMERCIAL BLOCK - WITH 655 DWELLING UNITS; COMMERCIAL BLOCK-BASEMENT FLOOR+GROUND FLOOR+2 FLOORS (HEIGHT-13.20M); AMENITY BLOCK-BASEMENT FLOOR (PART)+GROUND FLOOR+3 FLOORS (HEIGHT-16.80M) AT GROUND FLOOR +3 FLOORS(HEIGHT -16.80M) AT BHARANIPUTHUR MAIN ROAD KOLATHUVANCHERRY, CHENNAI 600056 COMPRISED IN S.NOS.133/1A, 134/2,136/1, 136/2A, 136/2B, 137,138,139,140, 141/1A1, 141/1B & 141/2 OF KOLATHUVANCHERRY VILLAGE WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

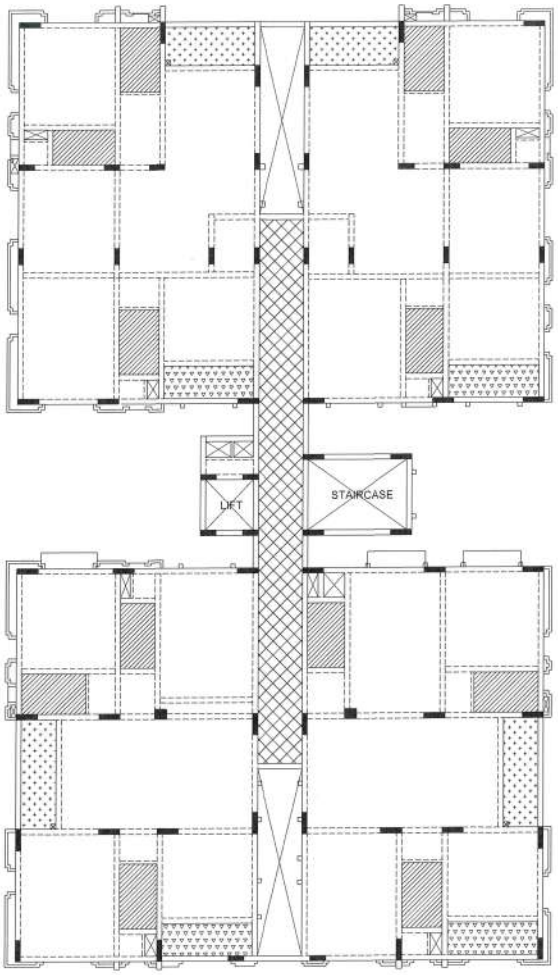
DRAWING TITLE :

BLOCK-J & K

TYPICAL FLOOR ROOF BEAM LAYOUT

Dr. J. SURESH, M.E., MIE., Ph.D.
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/1/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGLDIST/SE/Gr-1/2024/07/005

	TOILET SUNKEN
	BALCONY SUNKEN
	SERVICE SUNKEN
	CORRIDOR SUNKEN



NOTE

S+6

1. REFER ARCHITECTURAL DRAWING FOR CENTER LINE DIMENSION
2. ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. ANY DISCREPANCIES NOTICED IN THE DRG. SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY.
4. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
5. GRADE OF CONCRETE
   (a) MINIMUM CEMENT CONTENT TO BE FOLLOWED AS PER IS CODE
   (b) M 30 FOR COLUMN
   (c) M 25 FOR ALL OTHER RCC WORK
6. "Y" DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE FE500 CONFORMING TO IS 1786
7. CLEAR COVER TO THE MAIN STEEL
   75 FOR PILE
   50 FOR PILE CAP
   50 FOR FOOTINGS , RAFT SLABS & RAFT BEAMS.
   40 FOR COLUMNS.
   25 FOR BEAMS
   20 FOR SLAB
   50 FOR R.C.C WALL(SOIL SIDE)
   20 FOR R.C.C WALL(INNER SIDE)
8. (a)FULL LAPS IN PILE REINFORCEMENT SHALL BE WELDED TO AN EXTENT OF 10 DIA OF THE BAR (i.e 10 DIA WELD , 150m GAP AND 10 DIA WELD) OR LAPPED WITH TAC WELDING.
   (b)BOTTOM COVER TO THE REINFORCEMENT CAGE MUST BE 250mm . THE REQUIRED ARRANGEMENT MUST BE DONE INITIALLY.
9. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA AT EVERY 1000 C/C
10. CHAIR ROD SHOULD BE EVERY 1.5m INTERVALS.
11. FOR EARTHQUAKE ANALYSIS IS TAKEN AS PER IS : 1893.
12. LAP JOINTS FOR REINFORCEMENT BARS :
   (i) AT ANY CROSS SECTION OF THE MEMBER NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
   (ii) LAPS SHALL BE STAGGERED WITH A MINIMUM LAP CENTRE TO LAP CENTRE DISTANCE SHALL BE 1.3Ld
   (iii) LAP LENGTH SHALL BE 50 TIMES DIAMETER OF THE BAR FOR TENSION AND COMPRESSION MEMBERS .
   (iv) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT BEAM, COLUMN JUNCTION
   (v) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED PREFERABLY AT POINT OF CONTRAFLEXURE.
13. HOOK LENGTH OF STIRRUPS 8d or 75mm. WITH HOOK ANGLE SHOULD BE 135 DEGREE.
14. BEAM, COLUMN JUNCTION STIRRUPS SPACING SHOULD BE 100mm AT DISTANCE OF 450mm FROM THE BEAM/COLUMN FACING UNLESS OTHERWISE SPECIFIED IN THE DRAWING
15. COLUMN, BEAM JUNCTION SHOULD BE COLUMN CONCRETE GRADE, WHATEVER MENTIONED IN THE DRAWING.

Revision No	Description of Revision		Date
Date:	04.09.2024	Drawn By:	ANAGHA

STRUCTURAL CONSULTANT

UNIVERSAL CONSULTANTS
CIVIL & STRUCTURAL CONSULTING ENGINEERS
Dr.J.SURESH,M.E .,ME.,Ph.D
LANDLINE,NO:-044-24456666, 8939397579.
projects@universalconsultants.net
www.universalconsultants.net

CLIENT

ARCHITECT

PROJECT NAME:

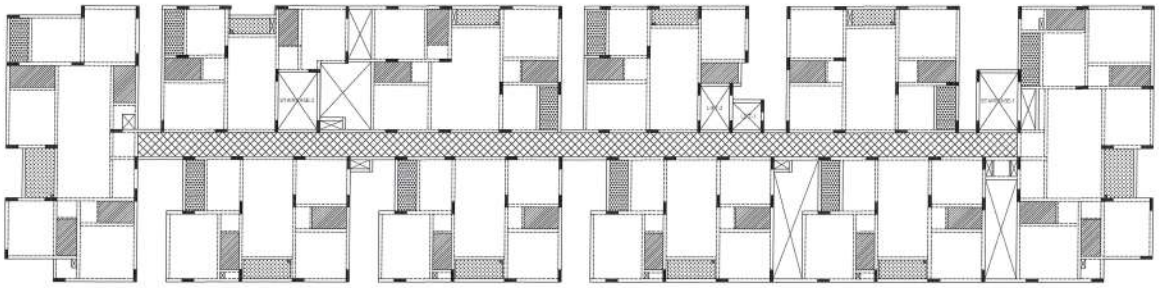
THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 17 BLOCKS; COMBINED BASEMENT FLOOR FOR BLOCK A TO D; BLOCK A TO H, J TO N, P & Q -STILT FLOOR + 5 FLOORS (HEIGHT -18.30M) RESIDENTIAL WITH 655 DWELLING UNITS; COMMERCIAL BLOCK - WITH 655 DWELLING UNITS; COMMERCIAL BLOCK-BASEMENT FLOOR+GROUND FLOOR+2 FLOORS (HEIGHT-13.20M); AMENITY BLOCK-BASEMENT FLOOR (PART)+GROUND FLOOR+3 FLOORS (HEIGHT-16.60M) AT GROUND FLOOR +3 FLOORS(HEIGHT -16.60M) AT BHARANIPUTHUR MAIN ROAD KOLATHUVANCHERRY, CHENNAI 600056 COMPRISED IN S.NOS.133/1A, 134/2,136/1, 136/2A, 136/2B, 137,138,139,140, 141/1A1, 141/1B & 141/2 OF KOLATHUVANCHERRY VILLAGE WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

DRAWING TITLE :

BLOCK-F,G&H
TYPICAL FLOOR ROOF BEAM LAYOUT

Dr. J. SURESH, M.E., MIE., Ph.D.
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/1/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGLDIST/SE/Gr-1/2024/07/005

	TOILET SUNKEN
	BALCONY SUNKEN
	SERVICE SUNKEN
	CORRIDOR SUNKEN



NOTE S+5

1. REFER ARCHITECTURAL DRAWING FOR CENTER LINE DIMENSION
2. ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. ANY DISCREPENCIES NOTICED IN THE DRG. SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY.
4. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
5. GRADE OF CONCRETE
   (a) MINIMUM CEMENT CONTENT TO BE FOLLOWED AS PER IS CODE
   (b) M-30 FOR COLUMN
   (c) M-25 FOR ALL OTHER RCC WORK
6. 'Y' DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE Fe500 CONFORMING TO IS 1786
7. CLEAR COVER TO THE MAIN STEEL
   - 80 FOR PILE
   - 50 FOR PILE CAP
   - 50 FOR FOOTINGS , RAFT SLABS & RAFT BEAMS
   - 40 FOR COLUMNS
   - 30 FOR BEAMS
   - 25 FOR SLAB
   - 50 FOR R.C.C WALL(SOIL SIDE)
   - 25 FOR R.C.C WALL(INNER SIDE)

   (WELL LAPS IN PILE REINFORCEMENT SHALL BE WELDED TO AN EXTENT OF 10 DIA OF THE BAR (i.e 10 DIA WELD , 180X (MP AND 10 DIA WELD) OR LAPPED WITH TAC WELDING.
   (NBOTTOM COVER TO THE REINFORCEMENT CAGE MUST BE 200mm. THE REQUIRED ARRANGEMENT MUST BE DONE INITIALLY.
8. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA AT EVERY 1000 C/C
9. CHAIR ROD SHOULD BE EVERY 1.5m INTERVALS.
10. FOR EARTHQUAKE ANALYSIS IS TAKEN AS PER IS : 1893
11. LAP JOINTS FOR REINFORCEMENT BARS :
   (i) AT ANY CROSS SECTION OF THE MEMBER NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
   (ii) LAPS SHALL BE STAGGERED WITH A MINIMUM LAP CENTRE TO LAP CENTRE DISTANCE SHALL BE 1.3L
   (iii) LAP LENGTH SHALL BE 50 TIMES DIAMETER OF THE BAR FOR TENSION AND COMPRESSION MEMBERS .
   (iv) LAPS IN COLUMN SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT BEAM, COLUMN JUNCTION
   (v) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED PREFERABLY AT POINT OF CONTRAFLEXURE .
12. HOOK LENGTH OF STIRRUPS 80 or 75mm. WITH HOOK ANGLE SHOULD BE 135 DEGREE.
13. BEAM, COLUMN JUNCTION STIRRUPS SPACING SHOULD BE 150mm AT DISTANCE OF 600mm FROM THE BEAM/COLUMN FACING UNLESS OTHERWISE SPECIFIED IN THE DRAWING
14. COLUMN, BEAM JUNCTION SHOULD BE FOLLOWN CONCRETE GRADE.
   WHETEVER MENTIONED IN THE DRAWING.

Revision No	Description of Revision		Date
Date:	04.09.2024	Drawn By:	ANACHA

STRUCTURAL CONSULTANT

UNIVERSAL CONSULTANTS
CIVIL & STRUCTURAL CONSULTING ENGINEERS
Dr.J.SURESH,M.E.,MIE.,Ph.D

LANDLINE,NO:-044-24455666, 8939397578. projects@universalconsultants.net www.universalconsultants.net

CLIENT

ARCHITECT

PROJECT NAME:

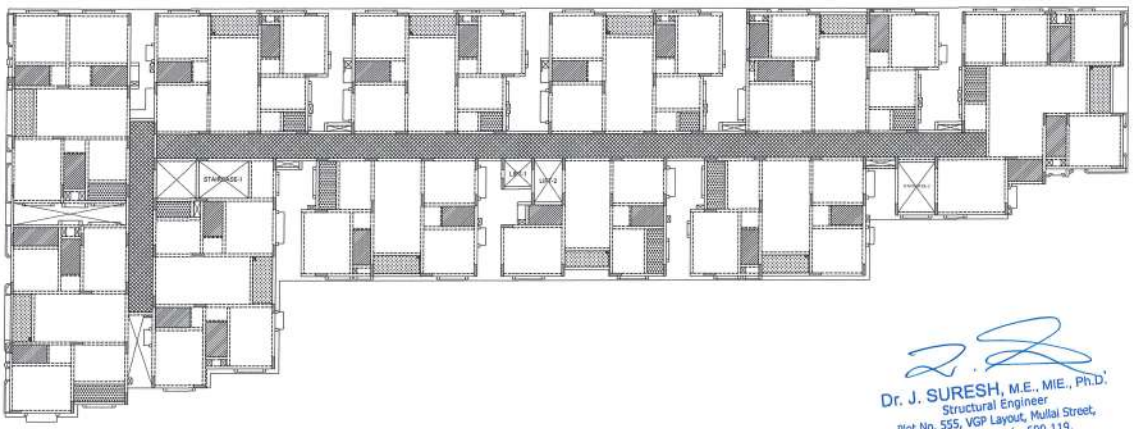
THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 17 BLOCKS; COMBINED BASEMENT FLOOR FOR BLOCK A TO D; BLOCK A TO H, J TO N, P & Q -STILT FLOOR + 5 FLOORS (HEIGHT -18.30M) RESIDENTIAL WITH 656 DWELLING UNITS; COMMERCIAL BLOCK - WITH 656 DWELLING UNITS; COMMERCIAL BLOCK-BASEMENT FLOOR+GROUND FLOOR+2 FLOORS (HEIGHT-13.26M); AMENITY BLOCK-BASEMENT FLOOR (PART)+GROUND FLOOR+3 FLOORS (HEIGHT-16.60M) AT GROUND FLOOR +3 FLOORS(HEIGHT -16.60M) AT BHARANIPUTHUR MAIN ROAD KOLATHUVANCHERRY, CHENNAI 600056 COMPRISED IN S.NOS.133/1A, 134/2,136/1, 136/2A, 136/2B, 137,138,139,140, 141/1A1, 141/1B & 141/2 OF KOLATHUVANCHERRY VILLAGE WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

DRAWING TITLE :

BLOCK-E
TYPICAL FLOOR ROOF BEAM LAYOUT

Dr. J. SURESH, M.E., MIE., Ph.D.
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/1/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGLDIST/SE/Gr-1/2024/07/005

	TOILET SUNKEN
	BALCONY SUNKEN
	SERVICE SUNKEN
	CORRIDOR SUNKEN



Dr. J. SURESH, M.E., MIE., Ph.D.
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/1/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGLDIST/SE/Gr-I/2024/07/005

	TOILET SUNKEN
	BALCONY SUNKEN
	SERVICE SUNKEN
	CORRIDOR SUNKEN

NOTE

S+5

1. REFER ARCHITECTURAL DRAWING FOR CENTRE LINE DIMENSION.
2. ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. ANY DISCREPENCIES NOTICED IN THE DRG. SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY.
4. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
5. GRADE OF CONCRETE
   (a) MINIMUM CEMENT CONTENT TO BE FOLLOWED AS PER IS CODE
   (b) M-30 FOR COLUMN.
   (c) M-25 FOR ALL OTHER RCC WORK
6. "Y" DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE FE500 CONFORMING TO IS 1786
7. CLEAR COVER TO THE MAIN STEEL
   50 FOR PILE
   60 FOR PILE CAP
   50 FOR FOOTINGS , RAFT SLABS & RAFT BEAMS.
   40 FOR COLUMNS
   30 FOR BEAMS
   25 FOR SLAB
   50 FOR R.C.C WALL(SOIL SIDE)
   25 FOR R.C.C WALL(INNER SIDE)
8.(a) ALL LAPS IN PILE REINFORCEMENT SHALL BE INCLINED TO AN EXTENT OF 15 DIA OF THE BAR (i.e 10 DIA WELD , 1 BOX GAP AND 15 DIA WELD) OR LAPPED WITH TAC WELDING.
   (b)BOTTOM COVER TO THE REINFORCEMENT CAGE MUST BE 250mm. THE REQUIRED ARRANGEMENT MUST BE DONE INITIALLY.
9. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA AT EVERY 1000 C/C
10. CHAIR ROD SHOULD BE EVERY 1.0m INTERVALS.
11. FOR EARTHQUAKE ANALYSIS IS TAKEN AS PER IS : 1893
12. LAP JOINTS FOR REINFORCEMENT BARS :
   (i) AT ANY CROSS SECTION OF THE MEMBER (NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
   (ii) LAPS SHALL BE STAGGERED WITH A MINIMUM LAP CENTRE TO LAP CENTRE DISTANCE SHALL BE 1.3L
   (iii) LAP LENGTH SHALL BE 59 TIMES DIAMETER OF THE BAR FOR TENSION AND COMPRESSION MEMBERS.
   (iv) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT BEAM, COLUMN JUNCTION
   (v) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED PREFERABLY AT POINT OF CONTRAFLEXURE .
13. HOOK LENGTH OF STIRRUPS IN st 75mm, WITH HOOK ANGLE SHOULD BE 135 DEGREE.
14. BEAM, COLUMN JUNCTION STIRRUPS SPACING SHOULD BE 100mm AT DISTANCE OF 500mm FROM THE BEAM/COLUMN FACING UNLESS OTHERWISE SPECIFIED IN THE DRAWING.
15. COLUMN, BEAM JUNCTION SHOULD BE COLUMN CONCRETE GRADE, WHATEVER MENTIONED IN THE DRAWING.

Revision No	Description of Revision		Date
Date:	04.09.2024	Drawn By:	ANACHA

STRUCTURAL CONSULTANT

UNIVERSAL CONSULTANTS
CIVIL & STRUCTURAL CONSULTING ENGINEERS
Dr.J.SURESH, M.E., MIE.,Ph.D
LANDLINE NO.:-044-24455666, 8939397579.
projects@universalconsultants.net
www.universalconsultants.net

CLIENT

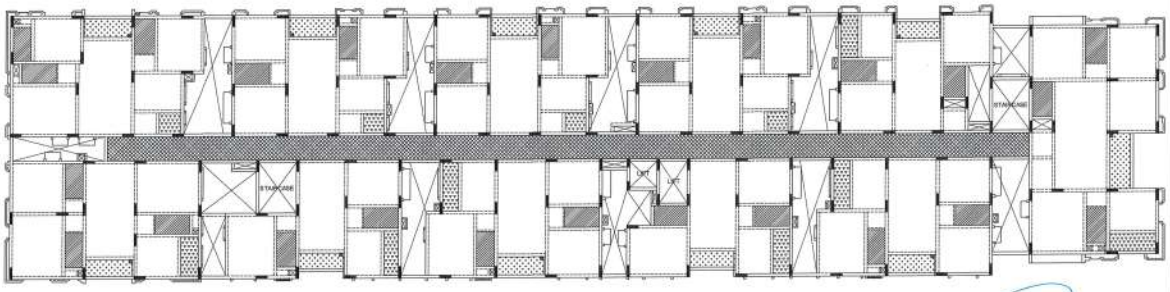
ARCHITECT

PROJECT NAME:

THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 17 BLOCKS; COMBINED BASEMENT FLOOR FOR BLOCK A TO D; BLOCK A TO H, J TO N, P & Q -STILT FLOOR + 5 FLOORS (HEIGHT -16.80M) RESIDENTIAL WITH 655 DWELLING UNITS; COMMERCIAL BLOCK - WITH 655 DWELLING UNITS; COMMERCIAL BLOCK-BASEMENT FLOOR+GROUND FLOOR+2 FLOORS (HEIGHT-13.20M); AMENITY BLOCK-BASEMENT FLOOR (PART)+GROUND FLOOR+3 FLOORS (HEIGHT-16.80M) AT GROUND FLOOR +3 FLOORS(HEIGHT -16.80M) AT BHARANIPUTHUR MAIN ROAD KOLATHUVANCHERRY, CHENNAI 600056 COMPRISED IN S.NOS.133/1A, 134/2,136/1, 136/2A, 136/2B, 137,138,139,140, 141/1A1, 141/1B & 141/2 OF KOLATHUVANCHERRY VILLAGE WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

DRAWING TITLE :

BLOCK-D
TYPICAL FLOOR ROOF BEAM LAYOUT



Dr. J. SURESH, M.E., MIE., Ph.D.
Structural Engineer
Plot No. 555, VGP Layout, Mullai Street,
Uthandi, Chennai - 600 119.
Reg. No. SE/1/2024/2/0014
Reg. No. RSE100382019
Reg. No. CGLDIST/SE/Gr-1/2024/07/005

	TOILET SUNKEN
	BALCONY SUNKEN
	SERVICE SUNKEN
	CORRIDOR SUNKEN

NOTE

B+S+5

1. REFER ARCHITECTURAL DRAWING FOR CENTER LINE DIMENSION.
2. ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. ANY DISCREPENCIES NOTICED IN THE DRGS. SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY.
4. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
5. GRADE OF CONCRETE
   (a) MINIMUM CEMENT CONTENT TO BE FOLLOWEN AS PER IS CODE
   (b) M-30 FOR COLUMN.
   (c) M-25 FOR ALL OTHER RCC WORK
6. "Fe" DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE Fe500 CONFORMING TO IS 1786
7. CLEAR COVER TO THE MAIN STEEL
   50 FOR PILE
   50 FOR PILE CAP
   50 FOR FOOTINGS , RAFT SLABS & RAFT BEAMS.
   40 FOR COLUMNS
   25 FOR BEAMS
   20 FOR SLAB
   50 FOR R.C.C WALL(SOIL SIDE)
   25 FOR R.C.C WALL(INNER SIDE)
(a) ALL LAPS IN PILE REINFORCEMENT SHALL BE WELDED TO AN EXTENT OF 10 DIA OF THE BAR (i.e 16 DIA WELD , 10DIA GAP AND 10 DIA WELD) OR LAPPED WITH TAC WELDING.
(b) BOTTOM COVER TO THE REINFORCEMENT CAGE MUST BE 200mm. THE REQUIRED ARRANGEMENT MUST BE DONE INITIALLY.
8. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA AT EVERY 1000 C/C.
9. CHAIR ROD SHOULD BE EVERY 1.5m INTERVALS.
10. FOR EARTHQUAKE ANALYSIS TAKEN AS PER IS : 1893
11. LAP JOINTS FOR REINFORCEMENT BARS :
   (a) AT ANY CROSS SECTION OF THE MEMBER,NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED
   (b) LAPS SHALL BE STAGGERED WITH A MINIMUM LAP CENTRE TO LAP COVERS DISTANCE SHALL BE 1.3L4
   (c) LAP LENGTH SHALL BE 50 TIMES DIAMETER OF THE BAR FOR TENSION AND COMPRESSION MEMBERS .
   (iv) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT BEAM, COLUMN JUNCTION
   (v) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED PREFERABLY AT POINT OF CONTRAFLEXURE .
12. HOOK LENGTH OF STIRRUPS 9d or 75mm, WITH HOOK ANGLE SHOULD BE 135 DEGREE.
13. BEAM, COLUMN JUNCTION STIRRUPS SPACING SHOULD BE 100mm AT DISTANCE OF 500mm FROM THE BEAM/COLUMN FACING UNLESS OTHERWISE SPECIFIED IN THE DRAWING
14. COLUMN, BEAM JUNCTION SHOULD BE COLUMN CONCRETE GRADE.
   WHATEVER MENTIONED IN THE DRAWING.

Revision No	Description of Revision		Date
Date:	04.09.2024	Drawn By:	ANADHA

STRUCTURAL CONSULTANT

UNIVERSAL CONSULTANTS
CIVIL & STRUCTURAL CONSULTING ENGINEERS
Dr.J.SURESH,M.E .,ME.,Ph.D

LANDLINE NO:-044-24455666, 8939397579.
projects@universalconsultants.net
www.universalconsultants.net

CLIENT

ARCHITECT

PROJECT NAME:

THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 17 BLOCKS; COMBINED BASEMENT FLOOR FOR BLOCK A TO D; BLOCK A TO H, J TO N, P & Q –STILT FLOOR + 5 FLOORS (HEIGHT –18.30M) RESIDENTIAL WITH 656 DWELLING UNITS; COMMERCIAL BLOCK – WITH 656 DWELLING UNITS; COMMERCIAL BLOCK–BASEMENT FLOOR+GROUND FLOOR+2 FLOORS (HEIGHT–13.06M); AMENITY BLOCK–BASEMENT FLOOR (PART)+GROUND FLOOR+3 FLOORS (HEIGHT–16.80M AT GROUND FLOOR +3 FLOORS(HEIGHT –16.80M) AT BHARANIPUTHUR MAIN ROAD KOLATHUVANCHERRY, CHENNAI 600056 COMPRISED IN S.NOS.133/1A, 134/2,136/1, 136/2A, 136/2B, 137,138,139,140, 141/1A1, 141/1B & 141/2 OF KOLATHUVANCHERRY VILLAGE WITHIN THE LIMITS OF KUNDRATHUR PANCHAYAT UNION.

DRAWING TITLE :

BLOCK–A, B & C
TYPICAL FLOOR ROOF BEAM LAYOUT



our services doesn't just end there

Buying & Selling Services

Property Buying Assistance, Property Selling Support, Market Price Analysis, Owner Outreach and Negotiation.

Legal & Documentation Services

Certified EC, Patta, legal opinions, property verification, due diligence, litigation solutions, and legal heir certificates.

Property Development & Approvals

Building plan approvals, construction, layout and sub-division approvals, zone conversion, and occupancy certification.

NRI & Investment Services

Escrow Services, Rentals, Litigation Solutions, Property Valuation and Property Management

Compliance & Special Services

Demolition, Vaasthu checks, regularization of unauthorized buildings, and office space solutions.



empowering your real estate decisions with smart tools

Property Valuation & Cost Estimation

Guideline Value, Apartment Composite Value, Stamp Duty & Registration Fees Calculator, Building Value Calculator, Capital Gains Calculator, Area Unit Converter, Length Unit Converter

Ownership, Compliance & Legal Verification

Encumbrance Certificate (EC) Search, Find Your SRO, Temple Property Check, WAQF Property Check, View Patta/Chitta, View FMB, Patta Analyzer, EC Analyzer

Zoning & Land Use Analysis

Land Use Zone Finder, CRZ Zone Check, Aquifer Zone Check, CBA Check, EWS Check, Road Width Check, Proposed Road Widening Check, FSI Calculator

Property Documentation & Workflow Tools

Forms & Templates, Document Generator, Document Translation, Dictionary

Vastu & Property Management Tools

Home Vastu Shastra, Plot Vastu Shastra, Property Management

Verified RealEstate™

We're honored to be part of your real estate journey

3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

hello@verified.realestate
+91 9996 12 9996
www.verified.realestate