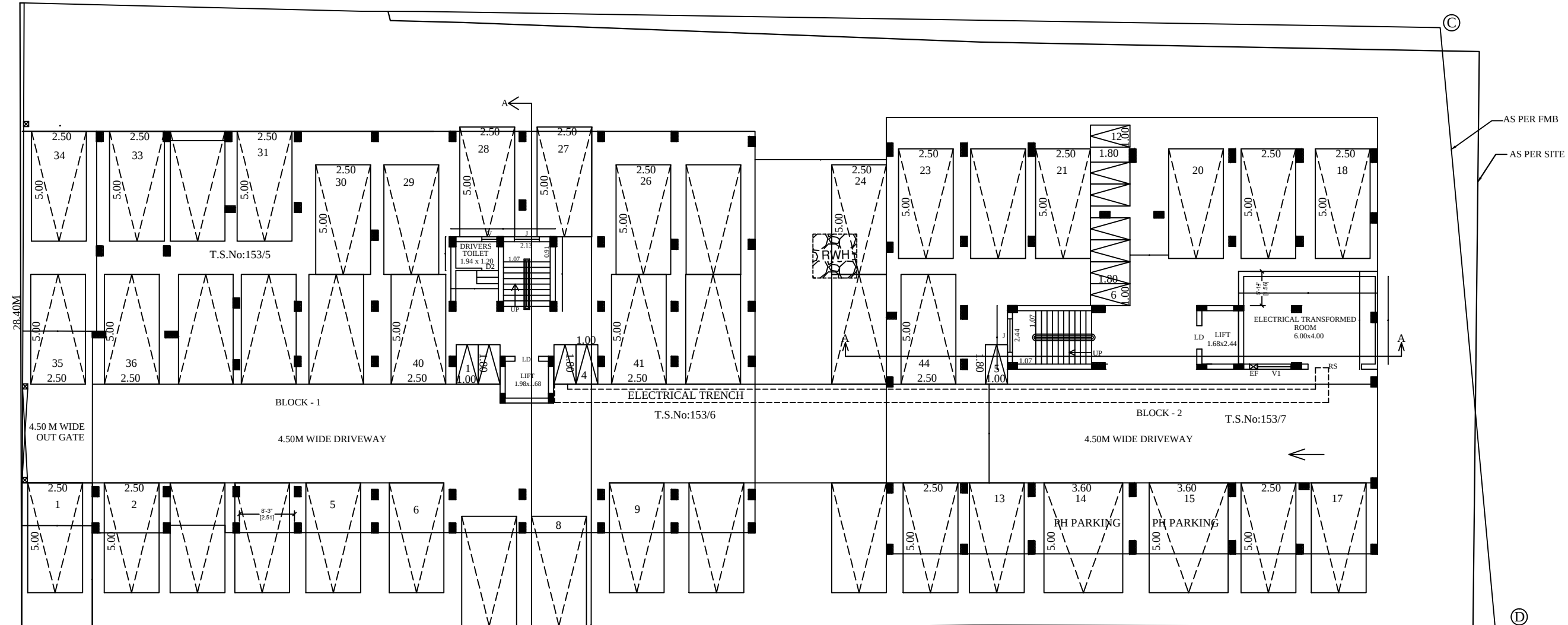


B

28.40M

A

**GENERAL NOTES:**

1. DIMENSIONS TO BE CHECKED AS PER THE SITE CONDITION
2. ALL DIMENSIONS ARE IN "INCHES & FEET" UNLESS MENTIONED
3. DRAWINGS TO BE READ AND NOT TO BE SCALED
4. ANY DISCREPANCY IN DRAWING SHALL BE NOTIFIED TO THE STRUCTURAL CONSULTANT BEFORE STARTING THE WORK
5. READ THE DRAWING ALONG WITH ARCHITECTURAL DRAWING
6. THE RESPONSIBILITY OF STRUCTURAL ENGINEER IS LIMITED TO DESIGN AND ISSUANCE OF STRUCTURAL DRAWINGS ONLY.

TECHNICAL NOTES:

1. Grade of concrete : M 25 - (1:1:2) (As per IS 456-2000)
2. Grade of steel Fe 500(As per IS 1786-1985)
3. Covers
 - 3.1 For grade / plinth beam 1" (25 mm)
 - 3.2 For footing bottom 2" (50 mm)
 - 3.3 For column 1.5" (40 mm)
 - 3.4 For footing side 3" (75 mm)
 - 3.5 For all roof beam 1" (25 mm)
 - 3.6 For all roof slab 3/4"(20 mm)
4. Lap length for all bars shall be 50 x dia
5. Spacer bar to be provided in between two layers of reinforcement of same dia at 1000mm c/c.
6. Removal of form works
 - 6.1 For columns : 24 hrs after casting
 - 6.2 For roof beam side : 24 hrs after casting
 - 6.3 For roof beam bottom
 - 6.3.1. Clear span less than 6m : 14 day after casting
 - 6.3.2. Clear span more than 6m : 21 day after casting
 - 6.4 For roof slab bottom
 - 6.4.1. Span upto 4.5m : 14 days after casting
 - 6.4.2. Span over 4.5m : 21 days after casting
7. Ultimately designed for Stilt+5 upper floors only.
8. Not more than 40% of reinforcement shall be lapped at any particular junction.

PROJECT:

PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT BUILDING IN S.WARD-XXII, BLOCK-35, T.S.NO: 153/ 5, 6, & 7 (OLD S.NO-210/1PART,210/2 PART) AT MADAKULAM VILLAGE, THIRUPPARANKUNDRAM TALUK, MADURAI CORPORATION, MADURAI DISTRICT (MADAKULAM DD PLAN NO-IV BODI LINE)

JOB TITLE: Column Located Stilt Floor Plan**ARCHITECT:****Mr. SUDHAKAR MAHADEVAN,**

N0 - 16, Krishnaswamy Avenue,
Luz, Chennai - 600 004

**STRUCTURAL CONSULTANT:****Er.N.Senthil kumaran M.E.(Struct).,****ACE CONSULTANTS,
(ALPHA CIVIL ENGINEERING)**

N0 - 150A, II Flr, PS Sivasamy salai,
Mylapore, Chennai - 600 004.
Cell.NO.:99944 94406

Email : senthilnsk.er@gmail.com

Rev. No	0				
Date	18.06.25				

SCALE	NTS		SIZE	A3
-------	-----	--	------	----

DWG .NO.	JOB .NO.			
----------	----------	--	--	--

Released for ☒ Construction ☐ Information ☐ Estimation

B

C

GENERAL NOTES:

1. DIMENSIONS TO BE CHECKED AS PER THE SITE CONDITION
2. ALL DIMENSIONS ARE IN "INCHES & FEET" UNLESS MENTIONED
3. DRAWINGS TO BE READ AND NOT TO BE SCALED
4. ANY DISCREPANCY IN DRAWING SHALL BE NOTIFIED TO THE STRUCTURAL CONSULTANT BEFORE STARTING THE WORK
5. READ THE DRAWING ALONG WITH ARCHITECTURAL DRAWING
6. THE RESPONSIBILITY OF STRUCTURAL ENGINEER IS LIMITED TO DESIGN AND ISSUANCE OF STRUCTURAL DRAWINGS ONLY.

TECHNICAL NOTES:

1. Grade of concrete : M 25 - (1:1:2) (As per IS 456-2000)
2. Grade of steel Fe 500 (As per IS 1786-1985)
3. Covers
 - 3.1 For grade / plinth beam 1" (25 mm)
 - 3.2 For footing bottom 2" (50 mm)
 - 3.3 For column 1.5" (40 mm)
 - 3.4 For footing side 3" (75 mm)
 - 3.5 For all roof beam 1" (25 mm)
 - 3.6 For all roof slab 3/4" (20 mm)
4. Lap length for all bars shall be 50 x dia
5. Spacer bar to be provided in between two layers of reinforcement of same dia at 1000mm c/c.
6. Removal of form works
 - 6.1 For columns : 24 hrs after casting
 - 6.2 For roof beam side : 24 hrs after casting
 - 6.3 For roof beam bottom : 14 day after casting
 - 6.3.1. Clear span less than 6m : 14 day after casting
 - 6.3.2. Clear span more than 6m : 21 day after casting
 - 6.4 For roof slab bottom : 14 days after casting
 - 6.4.1. Span upto 4.5m : 14 days after casting
 - 6.4.2. Span over 4.5m : 21 days after casting
7. Ultimately designed for Silt+5 upper floors only.
8. Not more than 40% of reinforcement shall be lapped at any particular junction.

PROJECT:

PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT BUILDING IN S.WARD-XXII, BLOCK-35, T.S.NO: 153/ 5, 6, & 7 (OLD S.NO-210/1PART,210/2 PART) AT MADAKULAM VILLAGE, THIRUPPARANKUNDAM TALUK, MADURAI CORPORATION, MADURAI DISTRICT (MADAKULAM DD PLAN NO-IV BODI LINE)

JOB TITLE: Column Located First Floor Plan

ARCHITECT:

Mr. SUDHAKAR MAHADEVAN,

N0 - 16, Krishnaswamy Avenue,
Luz, Chennai - 600 004



STRUCTURAL CONSULTANT:

Er.N.Senthil kumaran M.E.(Struct).,

ACE CONSULTANTS,
(ALPHA CIVIL ENGINEERING)

N0 - 150A, II Flr, PS Sivasamy salai,
Mylapore, Chennai - 600 004.
Cell.NO.:99944 94406

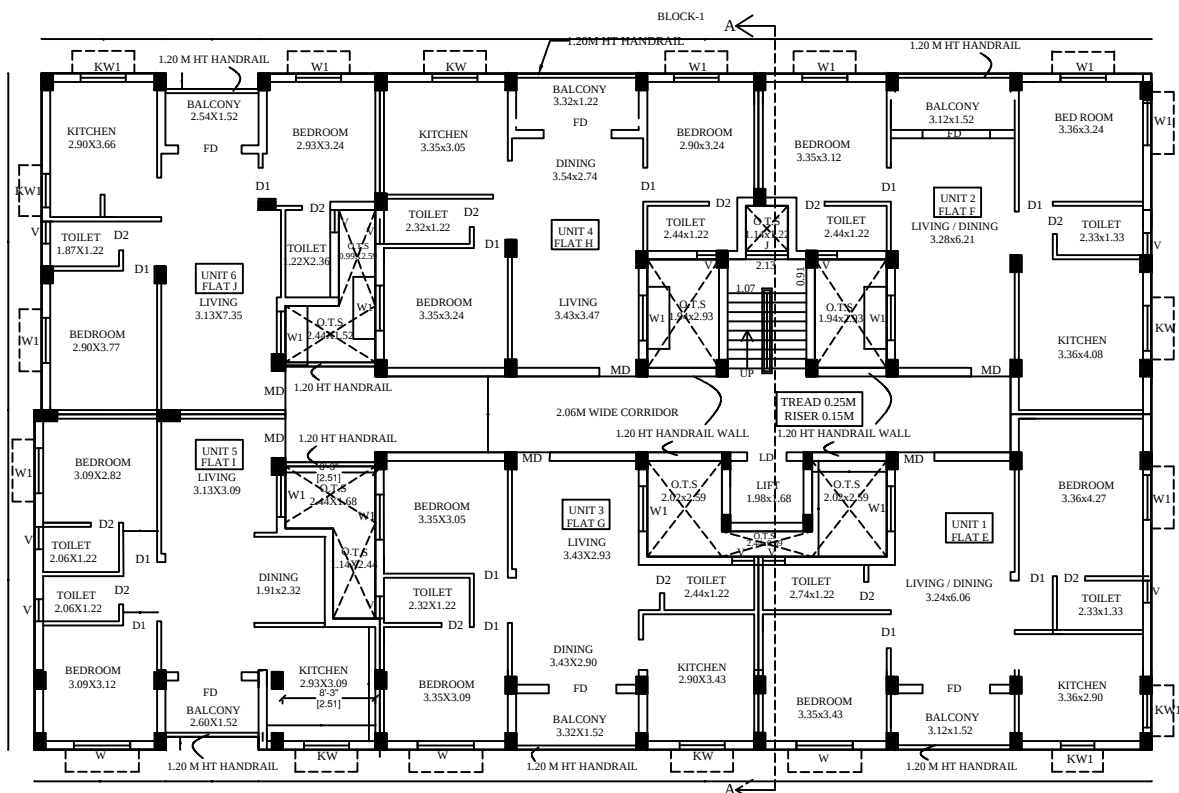
Email : senthilnsk.er@gmail.com

Rev. No	0				
Date	18.06.25				

SCALE	NTS		SIZE	A3
-------	-----	--	------	----

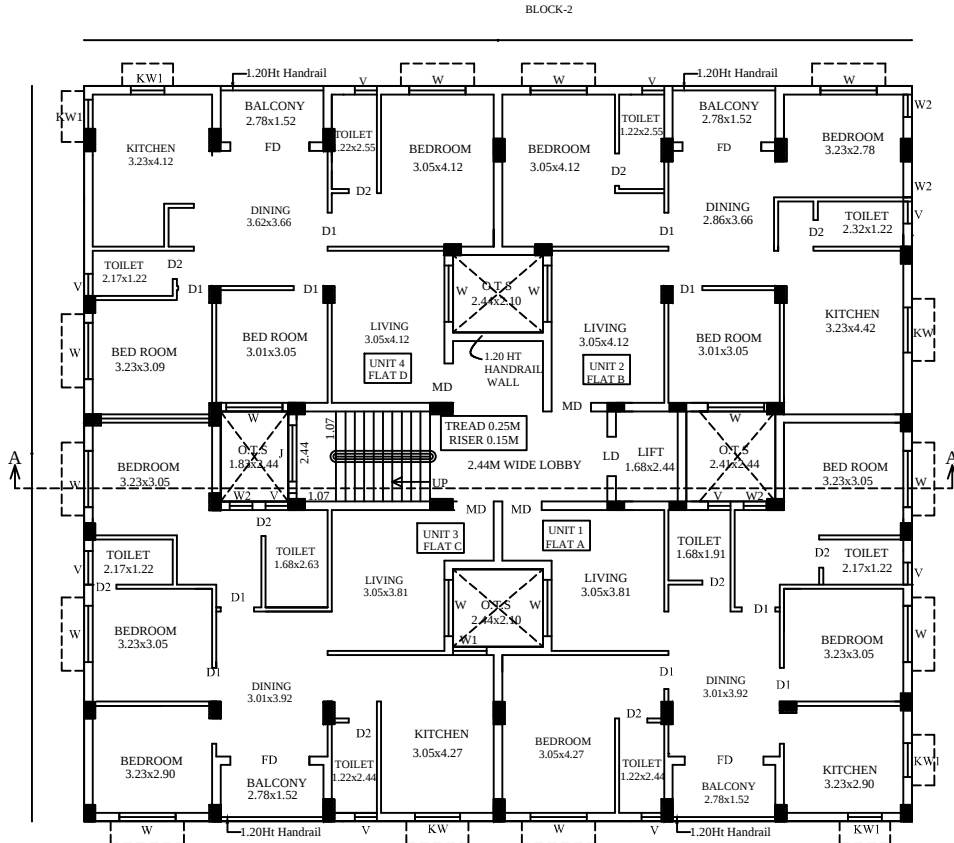
DWG .NO.	JOB .NO.			
----------	----------	--	--	--

Released for ☒ Construction ☐ Information ☐ Estimation



TYPICAL FLOOR PLAN (FIRST,SECOND,THIRD,FOURTH AND FIFTH FLOOR)

BLOCK-1



TYPICAL FLOOR PLAN (FIRST,SECOND,THIRD,FOURTH AND FIFTH FLOOR)

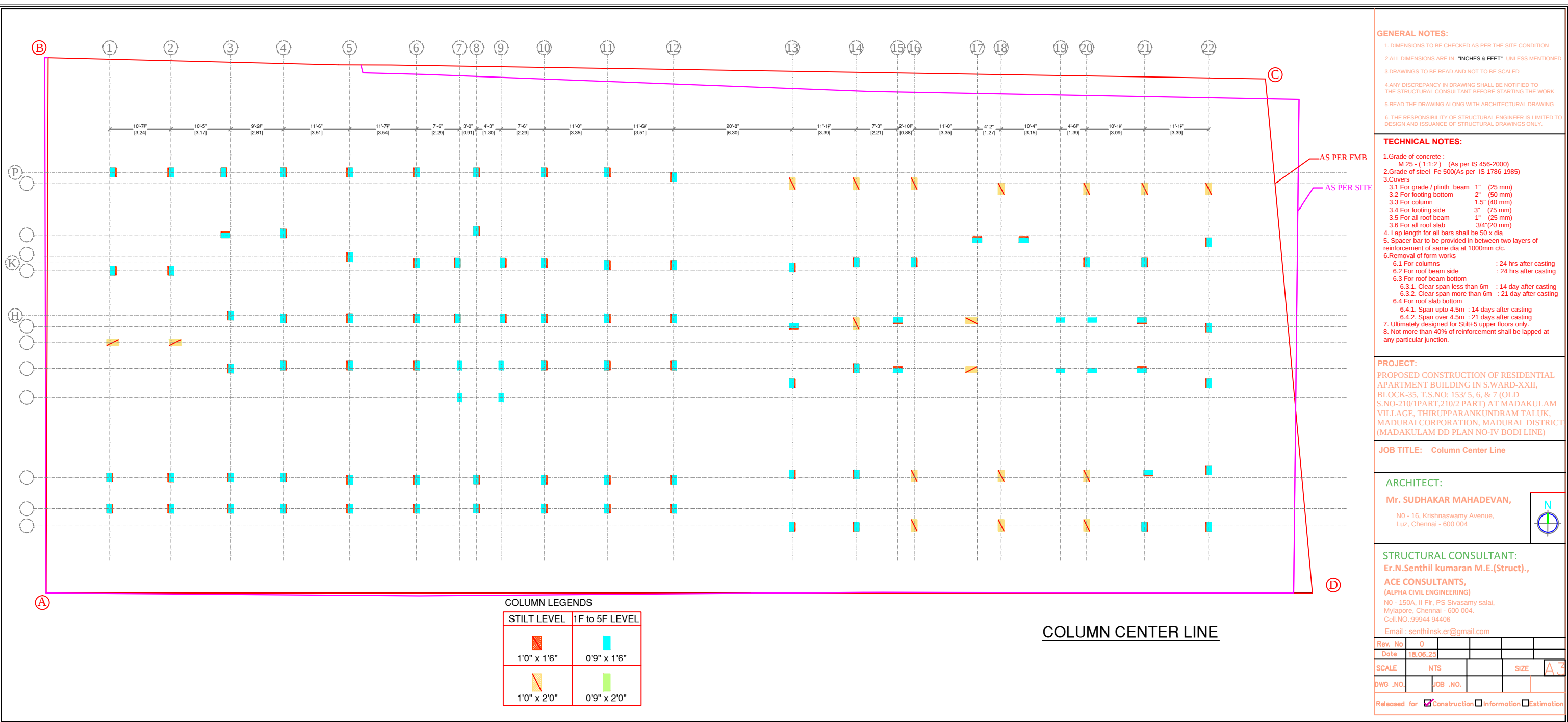
BLOCK-2

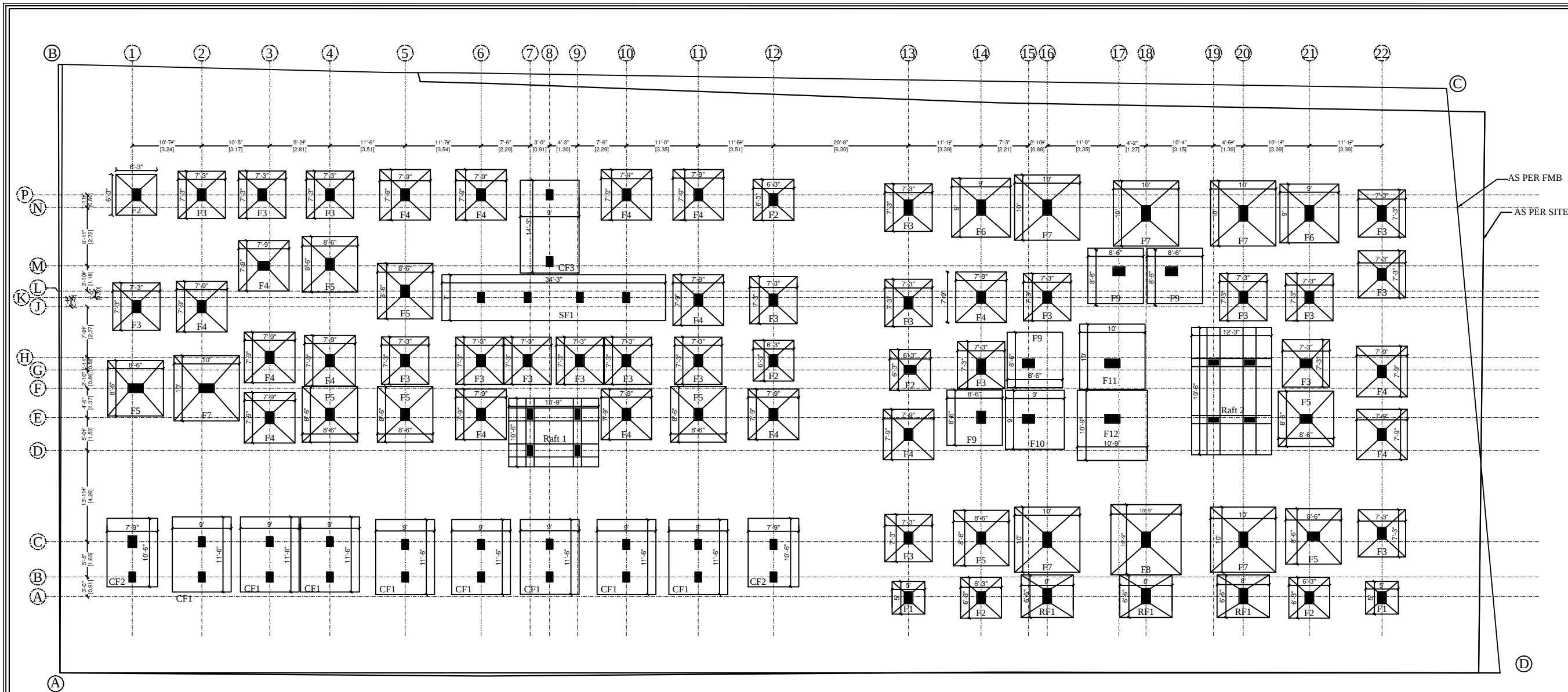
AS PER FMB

AS PER SITE

D

A





FOOTING LAYOUT

- GENERAL NOTES:**
1. DIMENSIONS TO BE CHECKED AS PER THE SITE CONDITION
 2. ALL DIMENSIONS ARE IN "INCHES & FEET" UNLESS MENTIONED
 3. DRAWINGS TO BE READ AND NOT TO BE SCALED
 4. ANY DISCREPANCY IN DRAWING SHALL BE NOTIFIED TO THE STRUCTURAL CONSULTANT BEFORE STARTING THE WORK
 5. READ THE DRAWING ALONG WITH ARCHITECTURAL DRAWING
 6. THE RESPONSIBILITY OF STRUCTURAL ENGINEER IS LIMITED TO DESIGN AND ISSUANCE OF STRUCTURAL DRAWINGS ONLY.

- TECHNICAL NOTES:**
1. Grade of concrete : M 25 - (1:1.2) (As per IS 456-2000)
 2. Grade of steel : Fe 500 (As per IS 1786-1985)
 3. Covers
 - 3.1 For grade / plinth beam : 1" (25 mm)
 - 3.2 For footing bottom : 2" (50 mm)
 - 3.3 For column : 1.5" (40 mm)
 - 3.4 For footing side : 3" (75 mm)
 - 3.5 For all roof beam : 1" (25 mm)
 - 3.6 For all roof slab : 3/4" (20 mm)
 4. Lap length for all bars shall be 50 x dia
 5. Spacer bar to be provided in between two layers of reinforcement of same dia at 1000mm c/c
 6. Removal of form works
 - 6.1 For columns : 24 hrs after casting
 - 6.2 For roof beam side : 24 hrs after casting
 - 6.3 For roof beam bottom
 - 6.3.1. Clear span less than 6m : 14 day after casting
 - 6.3.2. Clear span more than 6m : 21 day after casting
 - 6.4 For roof slab bottom
 - 6.4.1. Span upto 4.5m : 14 days after casting
 - 6.4.2. Span over 4.5m : 21 days after casting
 7. Ultimately designed for Stilt+5 upper floors only.
 8. Not more than 40% of reinforcement shall be lapped at any particular junction.

PROJECT:
PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT BUILDING IN S.WARD-XXII, BLOCK-35, T.S.NO: 153/ 5, 6, & 7 (OLD S.NO-210/1PART,210/2 PART) AT MADAKULAM VILLAGE, THIRUPPARANKUNDURAM TALUK, MADURAI CORPORATION, MADURAI DISTRICT (MADAKULAM DD PLAN NO-IV BODI LINE)

JOB TITLE: Footing Details

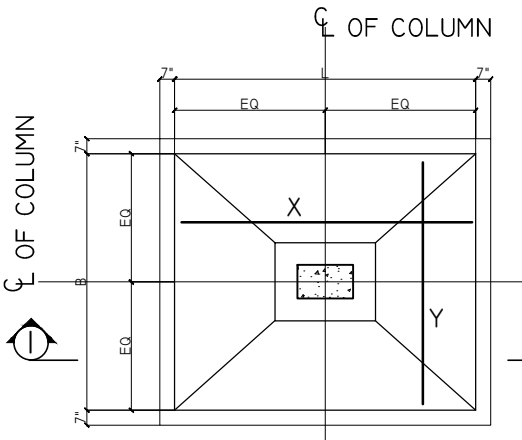
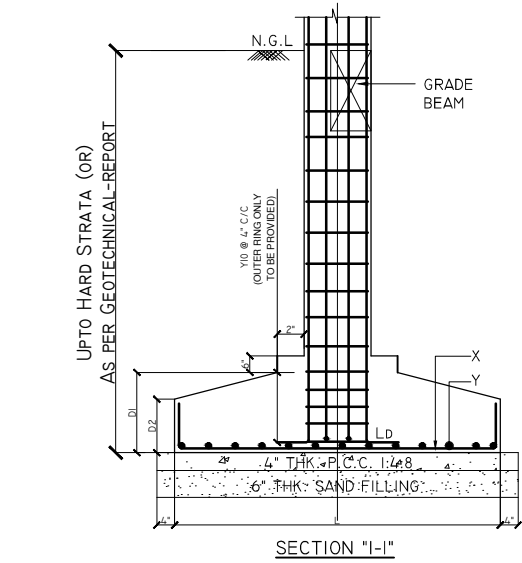
ARCHITECT:
Mr. SUDHAKAR MAHADEVAN,
NO - 16, Krishnaswamy Avenue,
Luz, Chennai - 600 004

STRUCTURAL CONSULTANT:
Er.N.Senthil kumaran M.E.(Struct).,
ACE CONSULTANTS,
(ALPHA CIVIL ENGINEERING)
NO - 150A, II Flr, PS Sivasamy salai,
Mylapore, Chennai - 600 004.
Cell.NO.:99944 94406
Email : senthilnsk.er@gmail.com

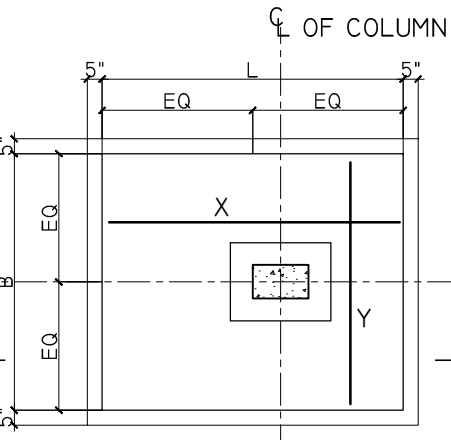
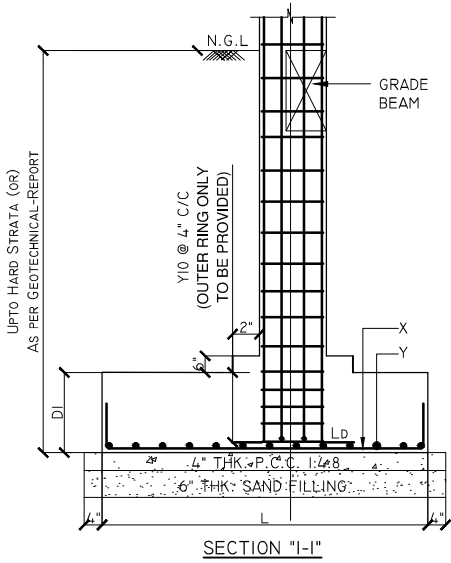
Rev. No	0			
Date	18.06.25			
SCALE	NTS		SIZE	A3
DWG .NO.	JOB .NO.			
Released for ☒ Construction ☐ Information ☐ Estimation				

FOOTINGS SCHEDULE:-

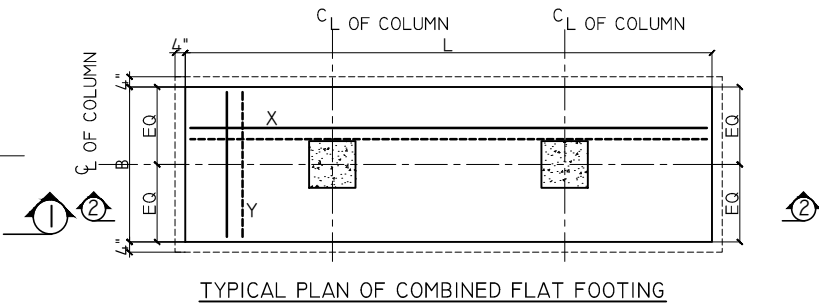
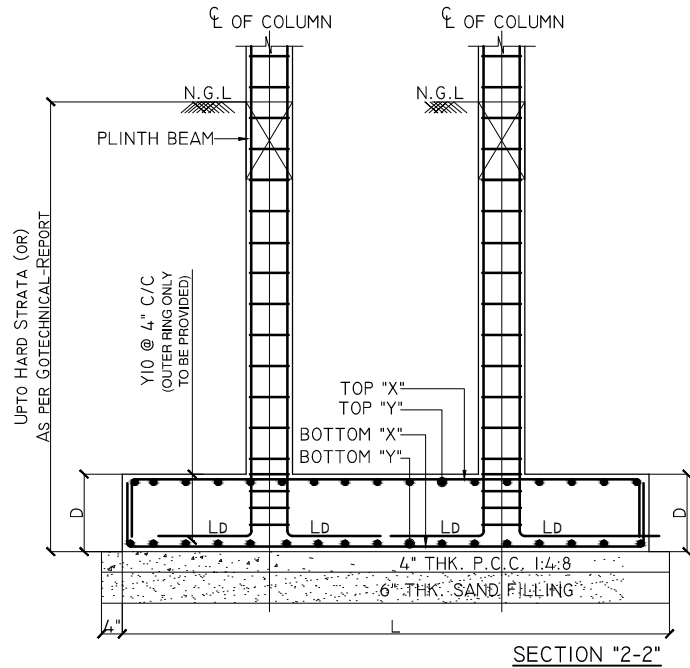
Sl.	FOOTING NAME	FOOTING SIZE	FOOTING REINFORCEMENT @ BOTTOM	FOOTING REINFORCEMENT @ TOP
01	F1	5'-0" X 5'-0" D1=1'-0" D2=0'-9" SLOPED FOOTING	Y10 @ 5" C/C BOTHWAYS	-
02	F2	6'-3" X 6'-3" D1=1'-6" D2=0'-9" SLOPED FOOTING	Y12 @ 6" C/C BOTHWAYS	-
03	F3	7'-3" X 7'-3" D1=1'-6" D2=0'-9" SLOPED FOOTING	Y12 @ 5" C/C BOTHWAYS	-
04	F4	7'-9" X 7'-9" D1=2'-0" D2=0'-9" SLOPED FOOTING	Y12 @ 4" C/C BOTHWAYS	-
05	F5	8'-6" X 8'-6" D1=2'-0" D2=0'-9" SLOPED FOOTING	Y12 @ 5" C/C BOTHWAYS	-
06	F6	9'-0" X 9'-0" D1=2'-3" D2=0'-9" SLOPED FOOTING	Y12 @ 4" C/C BOTHWAYS	-
07	F7	10'-0" X 10'-0" D1=2'-6" D2=1'-0" SLOPED FOOTING	Y12 @ 4" C/C BOTHWAYS	-
08	F8	10'-9" X 10'-9" D1=2'-9" D2=1'-0" SLOPED FOOTING	Y12 @ 4" C/C BOTHWAYS	-
09	F9	8'-6" X 8'-6" D1=2'-0" FLAT FOOTING	Y16 @ 6" C/C BOTHWAYS	-
10	F10	9'-0" X 9'-0" D1=2'-3" FLAT FOOTING	Y16 @ 6" C/C BOTHWAYS	-
11	F11	10'-0" X 10'-0" D1=2'-6" FLAT FOOTING	Y16 @ 6" C/C BOTHWAYS	-
12	F12	10'-9" X 10'-9" D1=2'-9" FLAT FOOTING	Y16 @ 5" C/C BOTHWAYS	-
13	RF1	6'-6" X 8'-0" D1=1'-6" D2=0'-9" SLOPED FOOTING	Y12 @ 5" C/C BOTHWAYS	-
14	CF1	11'-6" X 9'-0" D1=2'-0" COMBINED FLAT FOOTING	Y16 @ 6" C/C BOTHWAYS	Y12 @ 8" C/C BOTHWAYS
15	CF2	10'-6" X 7'-9" D1=2'-0" COMBINED FLAT FOOTING	Y16 @ 6" C/C BOTHWAYS	Y12 @ 8" C/C BOTHWAYS
16	CF3	14'-3" X 9'-0" D1=2'-0" COMBINED FLAT FOOTING	Y16 @ 7" C/C BOTHWAYS	Y16 @ 7" C/C BOTHWAYS
17	SF1	34'-3" X 7'-0" D1=2'-0" FLAT STRIP FOOTING	Y16 @ 4" C/C BOTHWAYS	Y12 @ 8" C/C BOTHWAYS



TYPICAL PLAN OF SLOPED FOOTING



TYPICAL PLAN OF FLAT FOOTING



TYPICAL PLAN OF COMBINED FLAT FOOTING

GENERAL NOTES:

1. DIMENSIONS TO BE CHECKED AS PER THE SITE CONDITION
2. ALL DIMENSIONS ARE IN "INCHES & FEET" UNLESS MENTIONED
3. DRAWINGS TO BE READ AND NOT TO BE SCALED
4. ANY DISCREPANCY IN DRAWING SHALL BE NOTIFIED TO THE STRUCTURAL CONSULTANT BEFORE STARTING THE WORK
5. READ THE DRAWING ALONG WITH ARCHITECTURAL DRAWING
6. THE RESPONSIBILITY OF STRUCTURAL ENGINEER IS LIMITED TO DESIGN AND ISSUANCE OF STRUCTURAL DRAWINGS ONLY.

TECHNICAL NOTES:

1. Grade of concrete : M 25 - (1:1:2) (As per IS 456-2000)
2. Grade of steel : Fe 500 (As per IS 1786-1985)
3. Covers
 - 3.1 For grade / plinth beam : 1" (25 mm)
 - 3.2 For footing bottom : 2" (50 mm)
 - 3.3 For column : 1.5" (40 mm)
 - 3.4 For footing side : 3" (75 mm)
 - 3.5 For all roof beam : 1" (25 mm)
 - 3.6 For all roof slab : 3/4" (20 mm)
4. Lap length for all bars shall be 50 x dia
5. Spacer bar to be provided in between two layers of reinforcement of same dia at 1000mm c/c.
6. Removal of form works
 - 6.1 For columns : 24 hrs after casting
 - 6.2 For roof beam side : 24 hrs after casting
 - 6.3 For roof beam bottom
 - 6.3.1. Clear span less than 6m : 14 day after casting
 - 6.3.2. Clear span more than 6m : 21 day after casting
 - 6.4 For roof slab bottom
 - 6.4.1. Span upto 4.5m : 14 days after casting
 - 6.4.2. Span over 4.5m : 21 days after casting
7. Ultimately designed for Stilt+5 upper floors only.
8. Not more than 40% of reinforcement shall be lapped at any particular junction.

PROJECT:

PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT BUILDING IN S.WARD-XXII, BLOCK-35, T.S.NO: 153/ 5, 6, & 7 (OLD S.NO-210/1PART,210/2 PART) AT MADAKULAM VILLAGE, THIRUPPARANKUNDRAM TALUK, MADURAI CORPORATION, MADURAI DISTRICT. (MADAKULAM DD PLAN NO-IV BODI LINE)

JOB TITLE: Footing Details

ARCHITECT:

Mr. SUDHAKAR MAHADEVAN,
NO - 16, Krishnaswamy Avenue,
Luz, Chennai - 600 004

STRUCTURAL CONSULTANT:

Er.N.Senthil kumaran M.E.(Struct.),
ACE CONSULTANTS,
(ALPHA CIVIL ENGINEERING)
NO - 150A, II Fir, PS Sivasamy salai,
Mylapore, Chennai - 600 004.
Cell.NO.:99944 94406
Email : senthilnsk.er@gmail.com

Rev. No	0			
Date	18.06.25			
SCALE	NTS		SIZE	A3
DWG .NO.		JOB .NO.		
Released for ☒ Construction ☐ Information ☐ Estimation				