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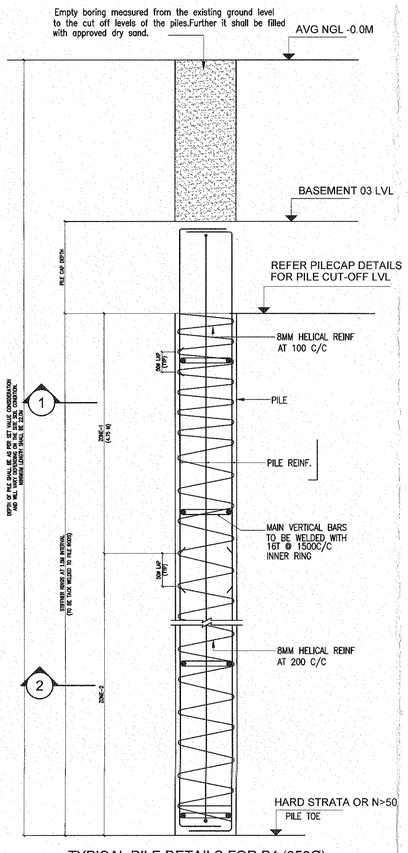
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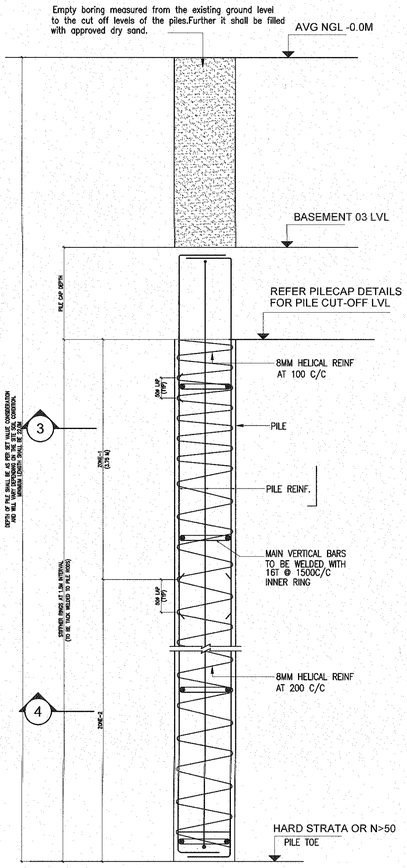
Official Property Record



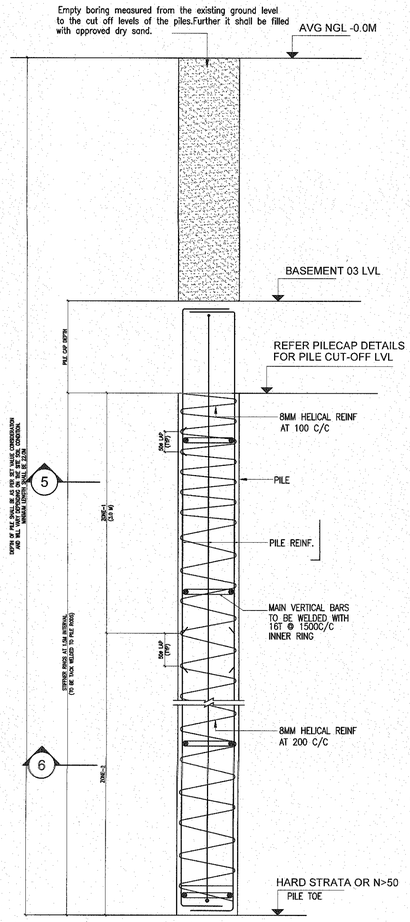
Digitally Verified Record - Powered by Verified RealEstate™



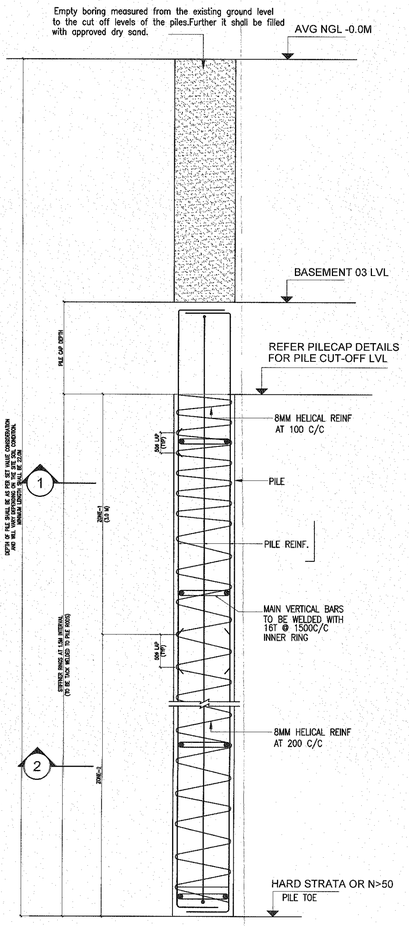
TYPICAL PILE DETAILS FOR P4 (950Ø)



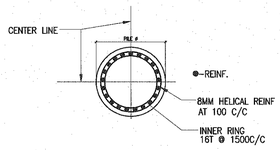
TYPICAL PILE DETAILS FOR P3 (750Ø)



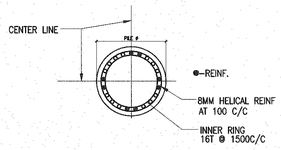
TYPICAL PILE DETAILS FOR P2 (600Ø)



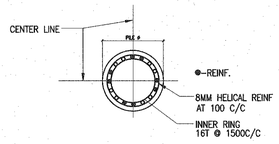
TYPICAL PILE DETAILS FOR P1 (500Ø)



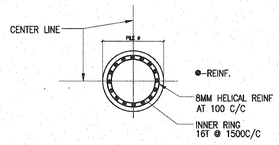
(BORED CAST INSITU PILE)
SECTION-1



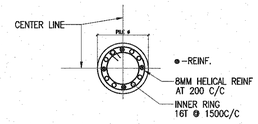
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SECTION-2



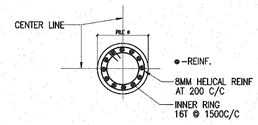
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SECTION-3



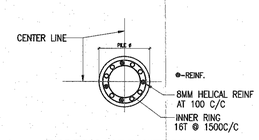
(BORED CAST INSITU PILE)
SECTION-4



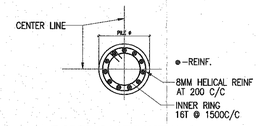
(BORED CAST INSITU PILE)
SECTION-5



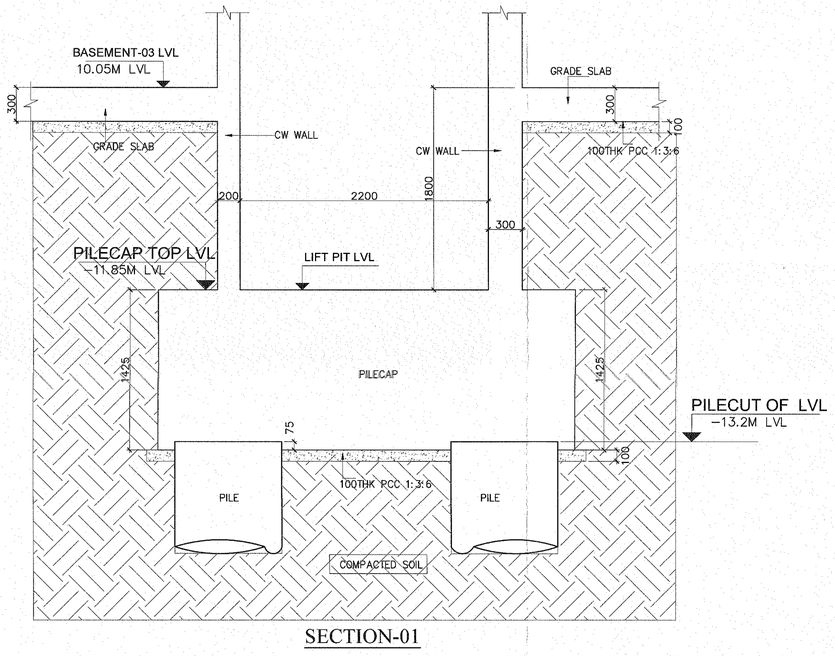
(BORED CAST INSITU PILE)
SECTION-6



(BORED CAST INSITU PILE)
SECTION-1



(BORED CAST INSITU PILE)
SECTION-2



SECTION-01

NOTES FOR BORED CAST INSITU PILES

01. GRADE OF CONCRETE FOR PILE IS M30 WITH MINIMUM CEMENT CONTENT OF 400Kg/CUM & GRADE OF STEEL IS Fe550D.
02. CEMENT IS OF 53 GRADE(OPC) AND SHALL BE OF ULTRA TECH, ACC OR BIRLA MAKE.
03. ALL LAPS IN PILE REINFORCEMENT SHALL BE WELDED TO AN EXTENT OF 10 DIA OF THE BAR (i.e 10 DIA WELD , 10 DIA GAP AND 10 DIA WELD) OR LAPPED WITH TAC WELDING.
04. COVER TO MAIN REINFORCEMENT IS 50mm.
05. MAXIMUM WATER CEMENT RATIO IS 0.45, WITH A SLUMP OF 150 TO 180mm.
06. ALL PILE CAPACITIES ARE BASED ON FRICTION AND END BEARING
07. PILE CUT-OFF LEVEL SHALL BE AS SHOWN IN THE DRAWING AND BY BREAKING THE CONCRETE POURED ABOVE PILE CUT-OFF LEVEL SHALL BE AS PER SPECIFICATIONS
08. ALL THE PILE REINFORCEMENT SHALL BE PROPERLY BENT INTO THE PILE CAP WITH PROPER ANCHORAGE LENGTH AS INDICATED IN THE DRAWINGS.
09. GROUND WATER TABLE SHALL BE MAINTAINED BELOW THE PILE CAP LEVEL UNTIL THE PILE CAP IS CAST BY PUMPING THE WATER USING PUMPS.
10. ALL THE SIDES OF THE EXCAVATED EARTH SHALL BE SUPPORTED BY PROVIDING PROPER SLOPE TO THAT
11. CARE SHOULD BE TAKEN TO SEE THAT THE PILE BOTTOM IS NOT DISTURBED BY THE PILING METHOD. THE SPT VALUE INSIDE THE PILE BORE AFTER FLUSHING SHOULD BE CLOSED TO 50. THIS SHOULD BE VERIFIED FOR ONE PILE IN A GROUP. DMC METHOD OF FILING WOULD BE MORE SUITABLE FOR THIS TYPE OF FOUNDING LAYERS.
12. THE EXCAVATED EXPANSIVE SILTY CLAY SHOULD NOT BE USED FOR PLINTH FILLING.
13. PILE SHOULD NOT DEVIATE MORE THAN 75MM OR D/6 WHICHEVER IS MORE INCASE OF PILES HAVING DIAMETER MORE THAN 600MM.
14. A MINIMUM LENGTH OF 2.0M TEMPORARY CASING SHALL BE PROVIDED FOR EACH BORED PILE. ADDITIONAL LENGTH OF TEMPORARY CASING MAY BE USED DEPENDING ON ON THE CONDITION OF THE STRATA, GROUND WATER LEVEL, ETC.
15. IN A PILE GROUP THE SEQUENCE OF INSTALLATION OF PILES SHALL NORMALLY BE THE CENTER TO THE PERIPHERY OF THE GROUP OR FROM ONE SIDE TO THE OTHER.
16. IN CASE, DEFECTIVE PILES ARE FORMED, THEY SHALL BE LEFT IN PLACE. ADDITIONAL PILES AS NECESSARY SHALL BE PROVIDED.
17. ANY DEVIATION FROM THE DESIGNED LOCATION, ALIGNMENT OR LOAD CAPACITY OF PILE SHALL BE NOTED AND ADEQUATE MEASURES TAKEN WELL BEFORE THE CONCRETING OF THE PILE CAPE AND PLINTH BEAMS.
18. THE TOP OF CONCRETRE IN A PILE SHALL BE BROUGHT ABOVE THE CUT-OFF LEVEL TO PERMIT REMOVAL OF ALL LAITANCE AND WEAK CONCRETE BEFORE CAPPING AND TO ENSURE GOOD CONCRETE AT CUT-OFF LEVEL.
19. THE PILE COORDINATES TO BE TAKEN AFTER CASTING THE PILE TO BE COMPARED WITH THE ORIGINAL COORDINATES TO CHECK THE PILE DEVIATION.

BORED CAST INSITU PILE								
PILE TYPE	P1 ⊕		P2 ⊕		P3 ⊕		P4 ⊕	
	ZONE-1	ZONE-2	ZONE-1	ZONE-2	ZONE-1	ZONE-2	ZONE-1	ZONE-2
PILE DIA	500Ø		600Ø		750Ø		950Ø	
MAIN REINFORCEMENT	4-T20+7-T16	11-T12	4-T20+8-T16	12-T12	8-T20+8-T16	16-T12	21-T20	8-T16+13-T12
HELICAL REINFORCEMENT	T8@100C/C	T8@200C/C	T8@100C/C	T8@200C/C	T8@100C/C	T8@200C/C	T8@100C/C	T8@200C/C
PILE VERTICAL CAPACITY	110T		160T		230T		310T	
PILE LATERAL CAPACITY	2T		3T		4.5T		6T	
PILE UPLIFT CAPACITY	55T		70T		80T		100T	
DEPTH OF THE PILE	21M FROM B3 LVL		21M FROM B3 LVL		21M FROM B3 LVL		21M FROM B3 LVL	
NO. OF PILES	16 NO'S.		46 NO'S.		6 NO'S.		126 NO'S.	
SOCKETING DEPTH	1.5D		1.5D		1.5D		1.5D	

NOTES: –

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL AND OTHER SERVICE DRAWINGS. ANY DISCREPANCY IN THE DRAWING SHALL BE BROUGHT TO THE ATTENTION OF THE CONSULTANTS AND RESOLVED PRIOR TO PROCUREMENT/EXECUTION OF WORKS.
2. DO NOT SCALE THE DRAWING, FOLLOW WRITTEN DIMENSIONS.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
4. REFER ARCHITECTURAL DRAWING FOR SETTING OUT PLAN AND GRID DIMENSIONS.
5. GRADE OF CONCRETE : M30
6. GRADE OF STEEL : Fe-550D

for DesignTree Service Consultants Pvt Ltd
N. Arun Karanth
Registration No. SE / GR - I / 19 / 03 / 074
Registered Structural Engineer Grade - I (SE)

FOR SUBMISSION

DESIGN..... Date-..16.07.2024.....
CHECKED..... Date-..16.07.2024.....

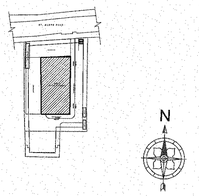
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08	ARCHITECTS-01, CLIENT -07	16.07.2024	PURNA

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NO	DESCRIPTION	DATE	SIGN.

REVISION

KEY PLAN :



PROJECT TITLE :

PROPOSED RESIDENTIAL APARTMENTS AT ALWARPET, CHENNAI

CLIENT :

AMARA HOMES

ARCHITECTS:

FHD GROUP www.fhdgroup.in
ARCHITECTURE
Fountainhead Architects Pvt. Ltd
Plot # 15,8-3-684 / 3-15, LIC Colony, Srinagar Colony, Hyderabad – 500073
P: +91 40 23743324 / 25
F: + 91 40 66821253

SMEPF CONSULTANTS :

DesignTree Service Consultants Pvt Ltd
Consulting Engineers
#64/9, Kembathahalli Main Road | J P Nagar 9th Phase | Bengaluru- 560083 INDIA |
T: + 91 | M: +91 90 3698 3376 |
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Chennai . Hyderabad Kolkata

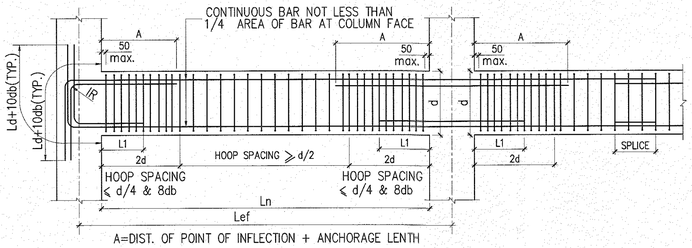
SUBMISSION DRAWING

DRAWING TITLE :

PILE LAYOUT–BLOCK–01

SHEET-02 OF 02

FILE NAME :			SCALE :
DESIGN: SUNIL PS			NTS
DRAWN : PURNACHANDRA		DATE : 16.07.2024	
COORD BY: UMASHANKAR		CHECKED : S.RAO	
JOB NO : –		DRG NO: S-02	REV NO: R0

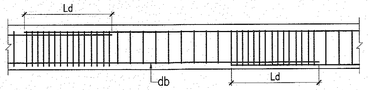


A=DIST. OF POINT OF INFLECTION + ANCHORAGE LENTH
BUT NOT LESS THAN Ln/4 THE DESIGNER MAY CUT SOME BARS SHORTER THAN THIS, BUT ATLEAST 1/3 OF AREA OF BAR AT THE FACE OF COL. MUST EXTENDED THIS DIST.

d= EFFECTIVE DEPTH OF BEAM
L1=Ln/8
IR=INTERNAL RADIUS

TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAMS
TYP. BAR DETAIL FOR SPECIAL DUCTILE MOMENT RESISTING FRAME

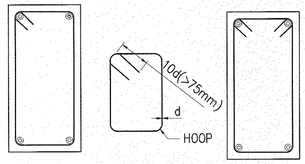
AS PER 13920 -1993(2002 & 2003) & S.P 34(S & T)-1987



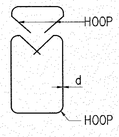
Ld=DEVELOPMENT LENGTH IN TENSION
db=DIA OF BAR

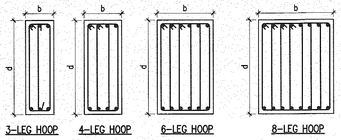
1. THE SPACING OF THESE LINKS SHALL NOT EXCEEDING 150mm.
2. THE LAP LENGTH SHALL NOT BE LESS THAN BAR DEVELOPMENT LENGTH OF THE LARGEST LONGITUDINAL REINFORCEMENT BAR IN TENSION.
3. THE LAP SHALL NOT BE PROVIDED. IF,
   a). WITHIN THE JOINT
   b). WITH A DISTANCE OF 2d FROM JOINT FACE OF THE COLUMN
   c). WITHIN A QUARTER LENGTH OF THE BEAM ADJOINING THE LOCATION WHERE FLEXURAL YIELDING MAY OCCUR UNDER EARTHQUAKE EFFECTS.
   d). NOT MORE THAN 50% OF BARS SPLICED AT ONE SECTION
   e). USE OF WELD SPLICES & MECHANICAL CONNECTIONS MAY ALSO BE MADE AS PER I.S 456-2000.

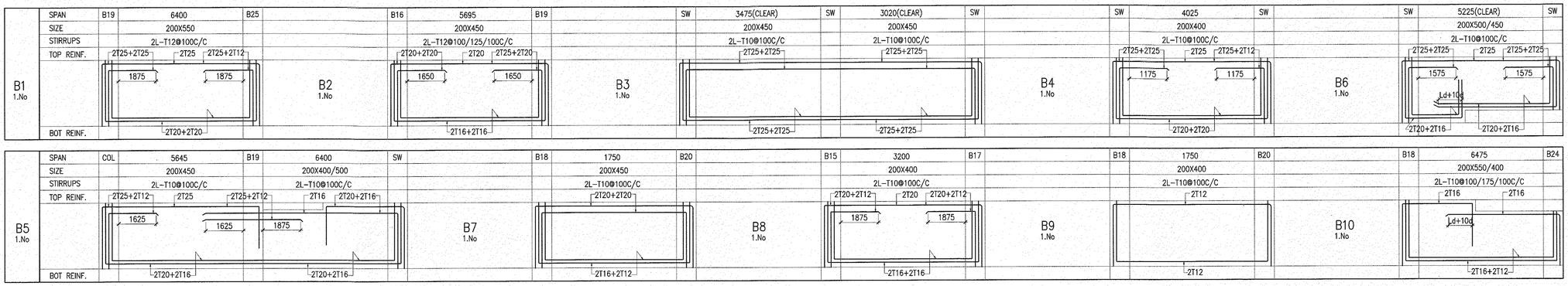
LAP SPLICE IN BEAM



HOOP DETAIL







NOTES:-

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2. READ THIS DRAWING ALONG WITH RELEVANT SERVICE DRAWINGS.
3. ALL DIMENSIONS ARE IN MILLIMETERS.
4. UNLESS OTHERWISE MENTIONED SLAB IS 125THK.
5. CUTOUT LOCATIONS & SIZES REFER SERVICES DWG.
6. GRADE OF STEEL : Fe-550D
7. GRADE OF CONCRETE - M30
8. CLEAR COVER FOR BEAMS-30mm.

for DesignTree Service Consultants Pvt Ltd
N. Arun Karanth
Registration No: SE / GR - 1 / 19 / 03 / 074
Registered Structural Engineer Grade - 1 (SE)

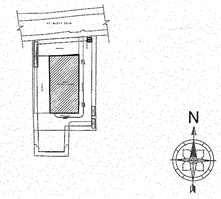
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08	ARCHITECTS-01, CLIENT -07	16.07.2024	SUSMITHA

NO	DESCRIPTION	DATE	SIGN.
	REVISION		

KEY PLAN :



PROJECT TITLE :

PROPOSED RESIDENTIAL APARTMENTS
AT ALWARPET, CHENNAI

CLIENT :

ARCHITECTS:

FHD group
www.fhdgroup.in

ARCHITECTURE
Fountainhead Architects Pvt. Ltd.
Plot # 15,8-3-684 / 3-15, LIC Colony,
Srinagar Colony, Hyderabad - 500073
P: +91 40 23743324 / 25
F: + 91 40 66621253

SMEPF CONSULTANTS :

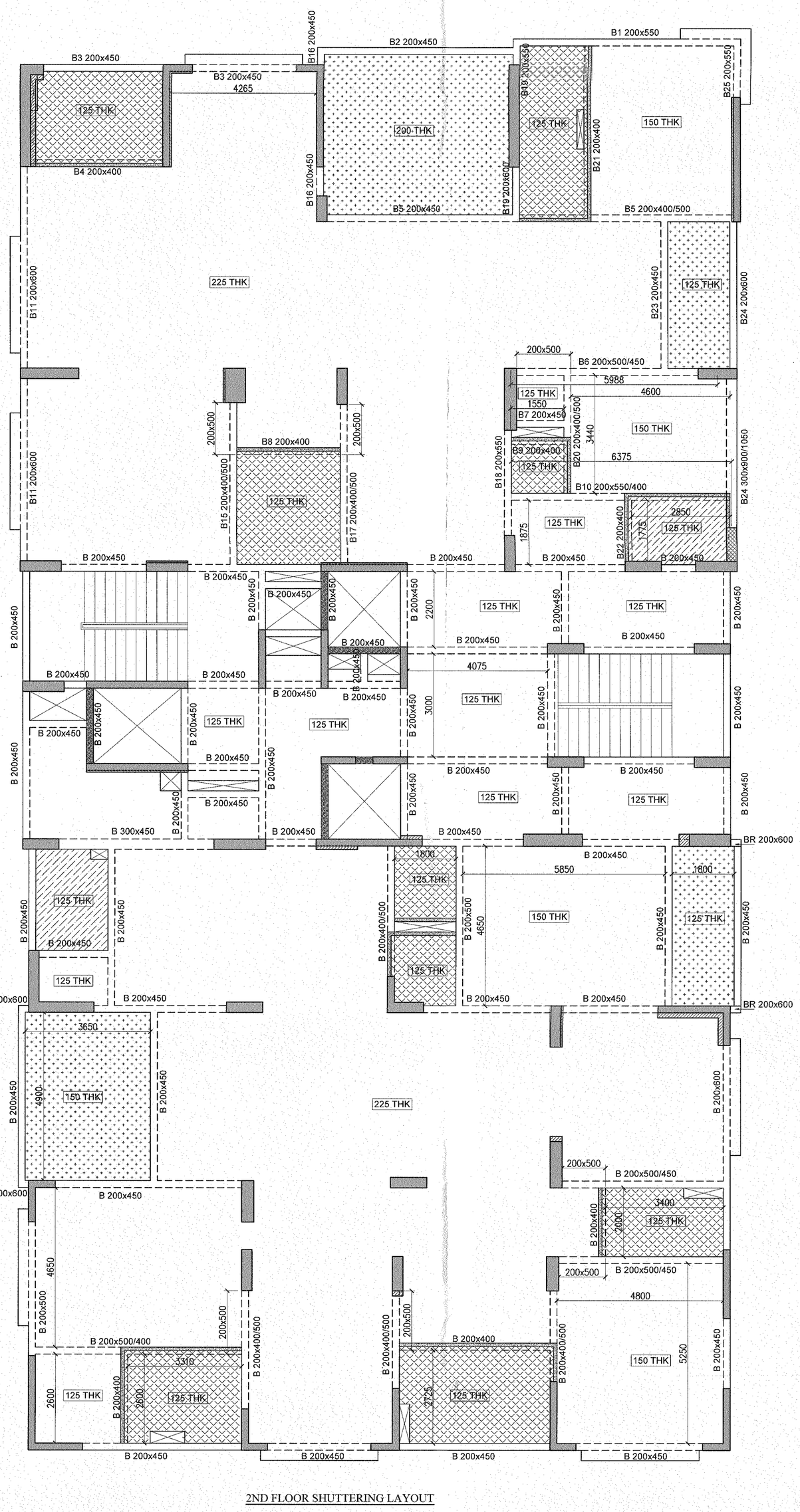
DesignTree Service Consultants Pvt Ltd
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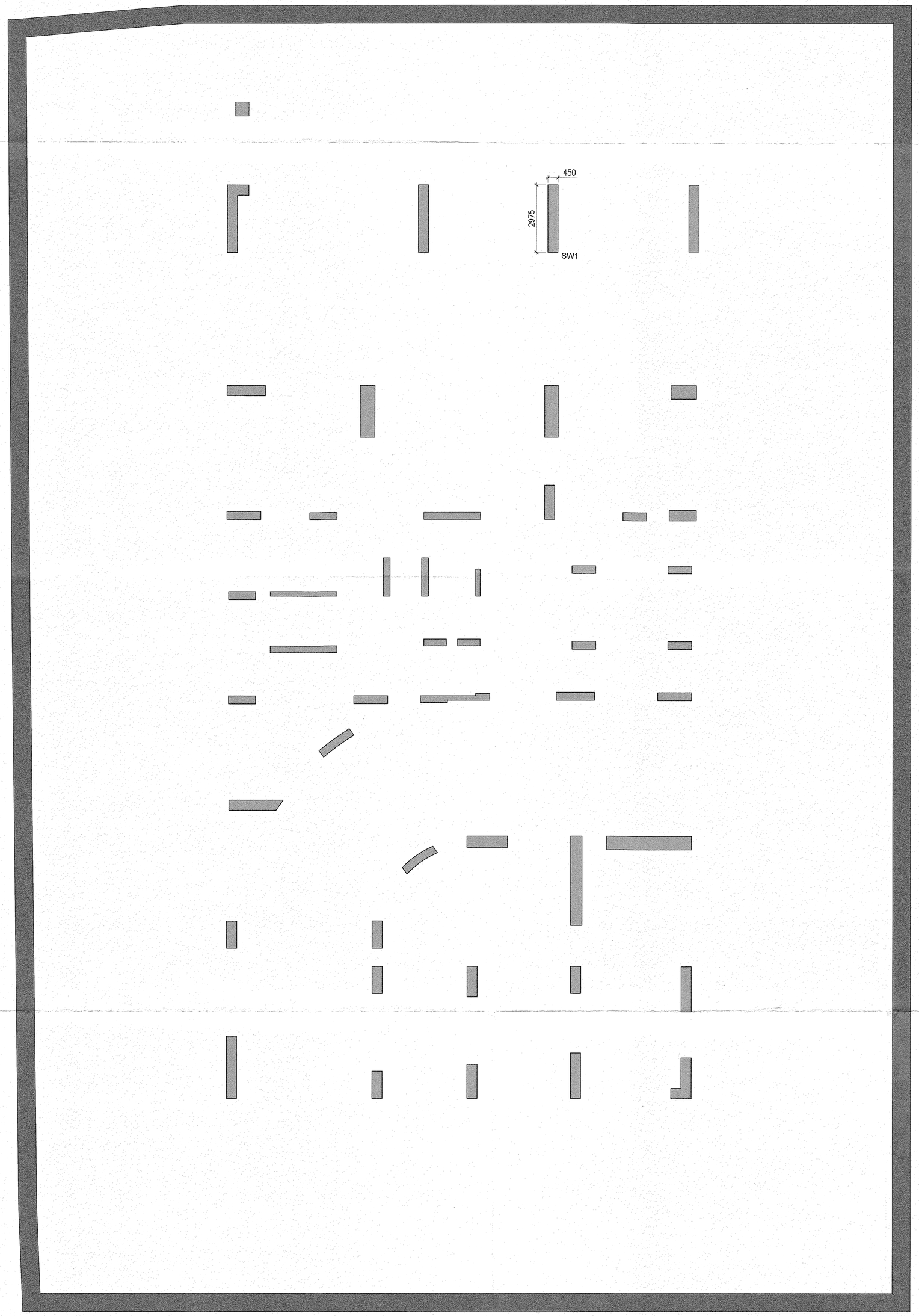
SUBMISSION DRAWING

DRAWING TITLE :

TYPICAL FLOOR BEAM SCHEDULE
BLOCK-01

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DESIGN:	MANISH/SUNIL PS		
DRAWN :	SUSMITHA	DATE : 16.07.2024	
COORD BY:	-	CHECKED : S.RAO	
JOB NO :	-	DRG NO: S-06 -1	REV NO: R0


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B2 200x450
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B3 200x450
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B25 200x550
125 THK
200 THK
125 THK
150 THK
B4 200x400
B21 200x400
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B5 200x400/500
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COLUMN LAYOUT

NOTES:-

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3. ALL DIMENSIONS ARE IN MILLIMETERS.

for DesignTree Service Consultants Pvt Ltd
N. Arun Karanth
Registration No. SE / GR - I / 19 / 03 / 074
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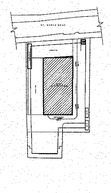
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08	ARCHITECTS-01, CLIENT -07	16.07.2024	SUSMITHA

ISSUALS

NO	DESCRIPTION	DATE	SIGN.

REVISION

KEY PLAN :



PROJECT TITLE :

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AT ALWARPET, CHENNAI

CLIENT :

AMARA HOMES

ARCHITECTS:

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ARCHITECTURE
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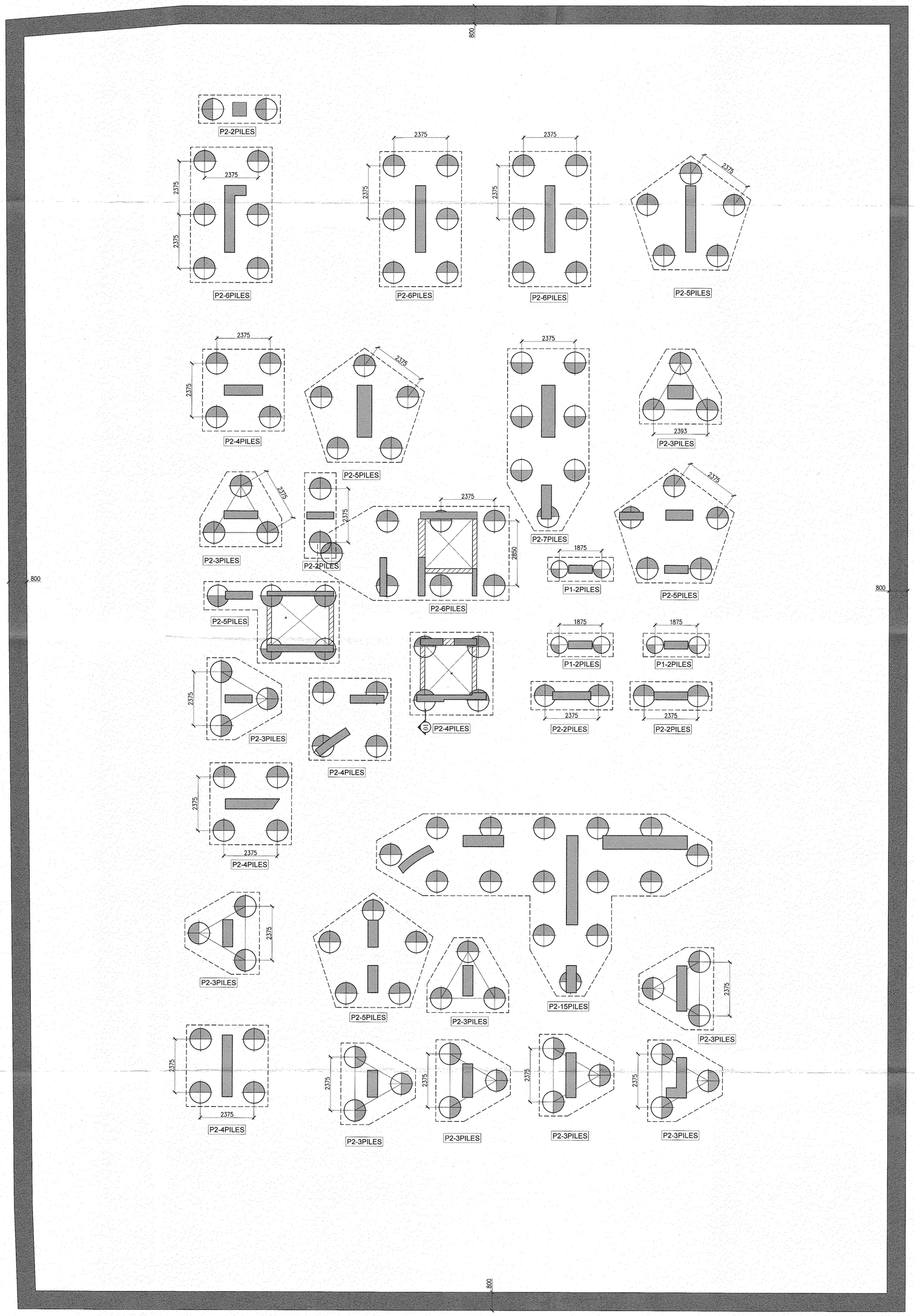
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T: + 91 | M: +91 90 3698 3378 |
www.designtreeconsultants.com
Chennai Hyderabad Kolkata

SUBMISSION DRAWING

DRAWING TITLE :

COLUMN LKAYOUT
BLOCK-01

FILE NAME :			SCALE :
DESIGN: SUNIL PS			NTS
DRAWN : SUSMITHA		DATE : 16.07.2024	
COORD BY: UMASHANKAR		CHECKED : S.RAO	
JOB NO : –	DRG NO: S-01		REV NO: R0



NOTES: –

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL AND OTHER SERVICE DRAWINGS. ANY DISCREPANCY IN THE DRAWING SHALL BE BROUGHT TO THE ATTENTION OF THE CONSULTANTS AND RESOLVED PRIOR TO PROCUREMENT/EXECUTION OF WORKS.
2. DO NOT SCALE THE DRAWING, FOLLOW WRITTEN DIMENSIONS.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
4. REFER ARCHITECTURAL DRAWING FOR SETTING OUT PLAN AND GRID DIMENSIONS.
5. GRADE OF CONCRETE : M30
6. GRADE OF STEEL : Fe–550D

for DesignTree Service Consultants Pvt Ltd
N. Arun Karanth
Registration No. SE / GR - I / 19 / 03 / 074
Registered Structural Engineer Grade - I (SE)

FOR SUBMISSION

DESIGN..... Date– 16.07.2024
CHECKED..... Date– 16.07.2024

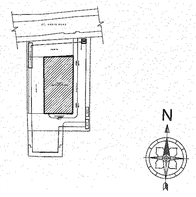
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08	ARCHITECTS–01, CLIENT –07	16.07.2024	PURNA

ISSUALS

NO	DESCRIPTION	DATE	SIGN.

REVISION

KEY PLAN :



PROJECT TITLE :

PROPOSED RESIDENTIAL APARTMENTS
AT ALWARPET, CHENNAI

CLIENT :

AMARA HOMES

ARCHITECTS:

FHD GROUP
www.fhdgroup.in

ARCHITECTURE
Fountainhead Architects Pvt. Ltd.
Plot # 15,8–3–684 / 3–15, LIC Colony,
Srinagar Colony, Hyderabad – 500073
P: +91 40 23743324 / 25
F: + 91 40 66821253

SMEPF CONSULTANTS :

DesignTree Service Consultants Pvt Ltd
Consulting Engineers
#64/9, Kembathahalli Main Road | J P Nagar 9th Phase | Bengaluru- 560083 INDIA |
T: + 91 | M: +91 90 3698 3376 |
www.designtreeconsultants.com
Chennai . Hyderabad Kolkata

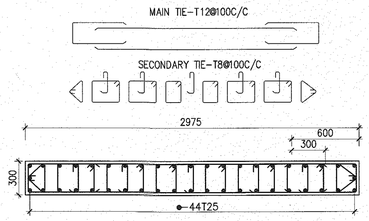
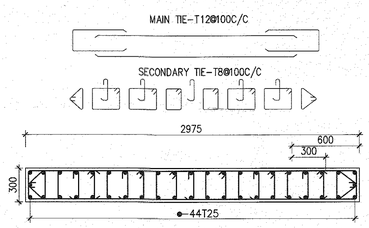
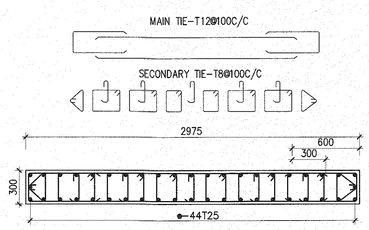
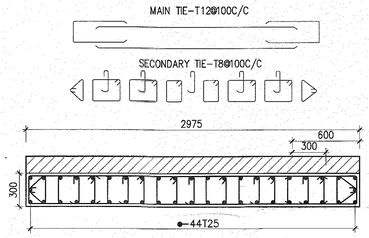
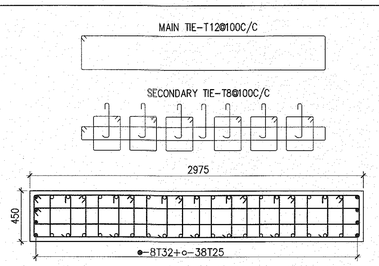
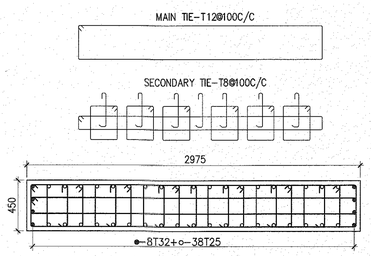
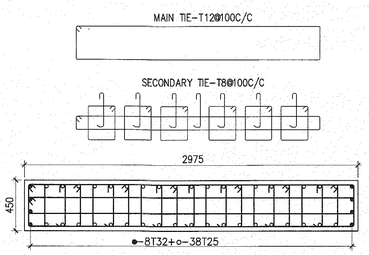
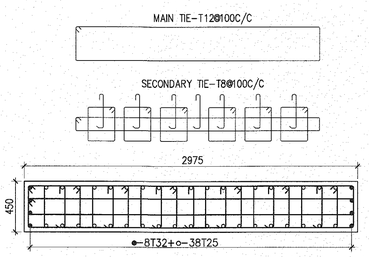
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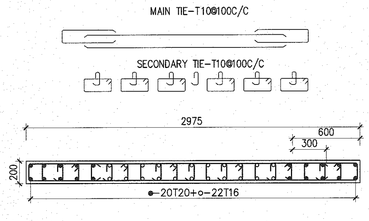
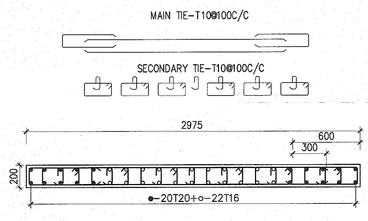
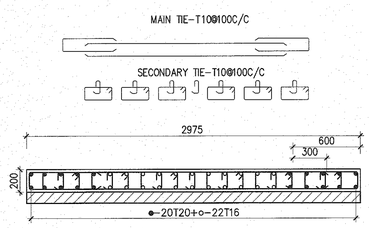
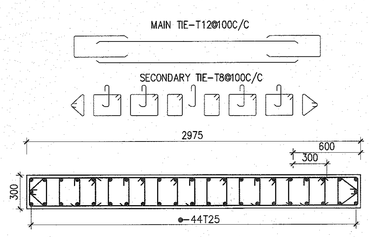
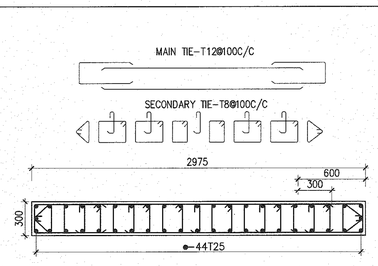
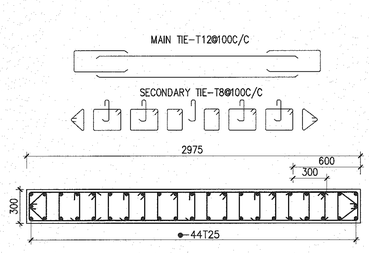
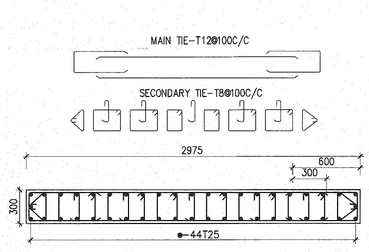
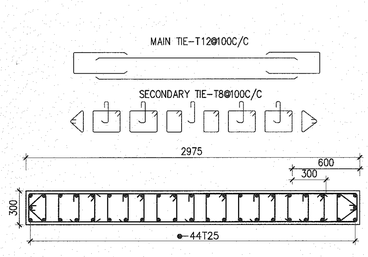
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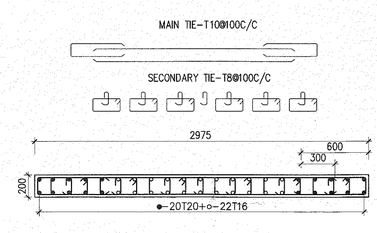
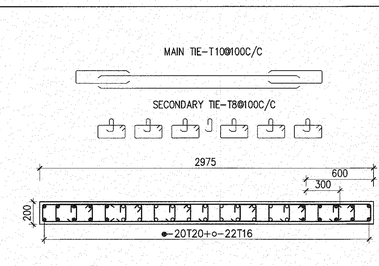
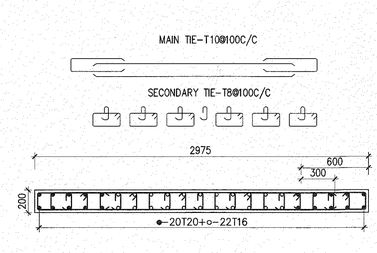
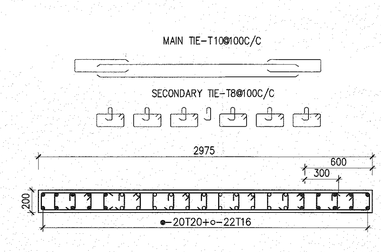
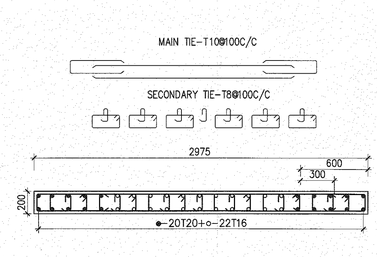
PILE LAYOUT–BLOCK–01

SHEET–01 OF 02

FILE NAME :			SCALE :
DESIGN: SUNIL PS			NTS
DRAWN : PURNACHANDRA		DATE : 16.07.2024	
COORD BY: UMASHANKAR		CHECKED : S.RAO	
JOB NO : –	DRG NO: S–02		REV NO: R0

4TH FLOOR LVL TO 5TH FLOOR LVL	MIX M45	
3RD FLOOR LVL TO 4TH FLOOR LVL	MIX M45	
2ND FLOOR LVL TO 3RD FLOOR LVL	MIX M45	
1ST FLOOR LVL TO 2ND FLOOR LVL	MIX M50	
STILT TO 1ST FLOOR	MIX M50	
BASEMENT–1 TO STILT	MIX M50	
BASEMENT–2 TO BASEMENT–1	MIX M50	
FOUNDATION TO BASEMENT–2	MIX M50	
TYPE	CONCRETE MIX	SW1
COLUMN NOS.		1 No
GRID		

12TH FLOOR LVL TO 13TH FLOOR LVL	MIX M35	
11TH FLOOR LVL TO 12TH FLOOR LVL	MIX M35	
10TH FLOOR LVL TO 11TH FLOOR LVL	MIX M35	
9TH FLOOR LVL TO 10TH FLOOR LVL	MIX M40	
8TH FLOOR LVL TO 9TH FLOOR LVL	MIX M40	
7TH FLOOR LVL TO 8TH FLOOR LVL	MIX M40	
6TH FLOOR LVL TO 7TH FLOOR LVL	MIX M40	
5TH FLOOR LVL TO 6TH FLOOR LVL	MIX M45	
TYPE	CONCRETE MIX	SW1
COLUMN NOS.		1 No
GRID		

17TH FLOOR LVL TO TERRACE FLOOR LVL	MIX M30	
16TH FLOOR LVL TO 17TH FLOOR LVL	MIX M30	
15TH FLOOR LVL TO 16TH FLOOR LVL	MIX M30	
14TH FLOOR LVL TO 15TH FLOOR LVL	MIX M30	
13TH FLOOR LVL TO 14TH FLOOR LVL	MIX M35	
TYPE	CONCRETE MIX	SW1
COLUMN NOS.		1 No
GRID		

NOTES:-

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2. READ THIS DRAWING ALONG WITH RELEVANT SERVICE DRAWINGS.
3. ALL DIMENSIONS ARE IN MILLIMETERS.
4. CUTOUT LOCATIONS & SIZES REFER SERVICES DWG.
5. GRADE OF STEEL : Fe–550D
6. CLEAR COVER FOR COLUMN & SHEAR WALL : 40MM

for DesignTree Service Consultants Pvt Ltd
N. Arun Karanth
Registration No. SE / GR - I / 19 / 03 / 074
Registered Structural Engineer Grade - I (SE)

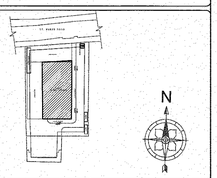
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DESIGN..... Date–16.07.2024
CHECKED..... Date–16.07.2024

NO	DESCRIPTION	DATE	SIGN.
	ISSUALS		
08	ARCHITECTS–01, CLIENT –07	16.07.2024	SUSMITHA

NO	DESCRIPTION	DATE	SIGN.
	REVISION		

KEY PLAN :



PROJECT TITLE :

PROPOSED RESIDENTIAL APARTMENTS
AT ALWARPET, CHENNAI

CLIENT :

AMARA HOMES

ARCHITECTS:

FHD GROUP www.fhdgroup.in
ARCHITECTURE
Fountainhead Architects Pvt. Ltd.
Plot # 15,8–3–684 / 3–15, LIC Colony,
Srinagar Colony, Hyderabad – 500073
P: +91 40 23743324 / 25
F: + 91 40 66621253

SMEPF CONSULTANTS :

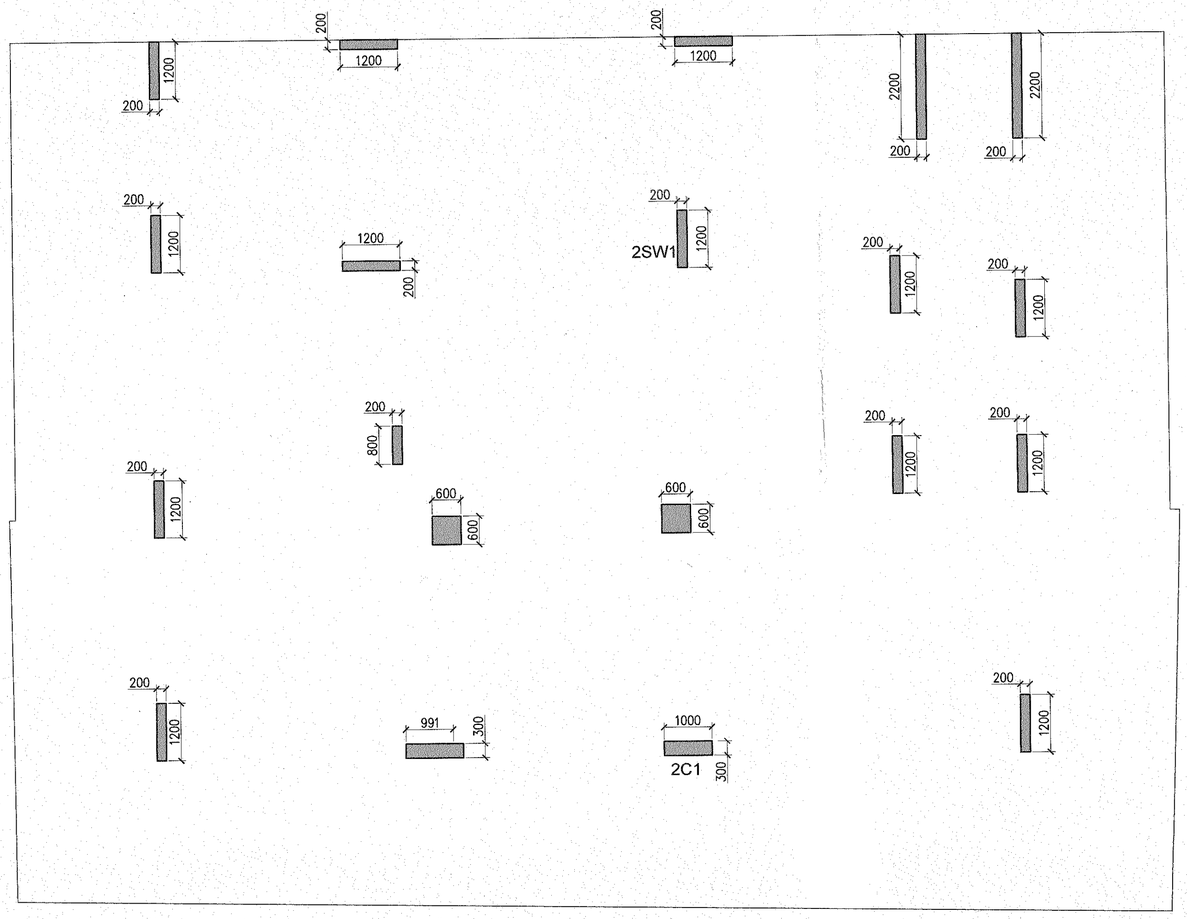
DesignTree Service Consultants Pvt Ltd
Consulting Engineers
#646, Kembathahalli Main Road | J P Nagar 9th Phase | Bengaluru- 560083 INDIA |
T: +91 | M: +91 90 3698 3378 |
www.designtreeconsultants.com
Chennai . Hyderabad . Kolkata

SUBMISSION DRAWING

DRAWING TITLE :

COLUMN & SHEAR WALL
REINFORCEMENT DETAILS
BLOCK–01

FILE NAME :			SCALE :
DESIGN: MANISH/SUNIL PS			NTS
DRAWN : SUSMITHA		DATE : 16.07.2024	
COORD BY: UMASHANKAR		CHECKED : S.RAO	
JOB NO : –		DRG NO: S–03	REV NO: R0



COLUMN LAYOUT

NOTES:-

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3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
4. REFER ARCHITECTURAL DRAWING FOR SETTING OUT PLAN AND GRID DIMENSIONS.

for DesignTree Service Consultants Pvt Ltd
N. Arun Karanth
Registration No. SE / GR - I / 19 / 03 / 074
Registered Structural Engineer Grade - I (SE)

FOR SUBMISSION

DESIGN..... Date- 16.07.2024
CHECKED..... Date- 16.07.2024

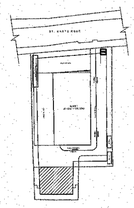
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08	ARCHITECTS-01, CLIENT -07	16.07.2024	SUGUNA

ISSUALS

NO	DESCRIPTION	DATE	SIGN.

REVISION

KEY PLAN :



N

PROJECT TITLE :

PROPOSED RESIDENTIAL APARTMENTS
AT ALWARPET, CHENNAI

CLIENT :

AMARA HOMES

ARCHITECTS:

FHD GROUP www.fhdgroup.in

ARCHITECTURE
Fountainhead Architects Pvt. Ltd.
Plot # 15,8-3-684 / 3-15, LIC Colony,
Srinagar Colony, Hyderabad - 500073
P: +91 40 23743324 / 25
F: + 91 40 66621253

SMEPF CONSULTANTS :

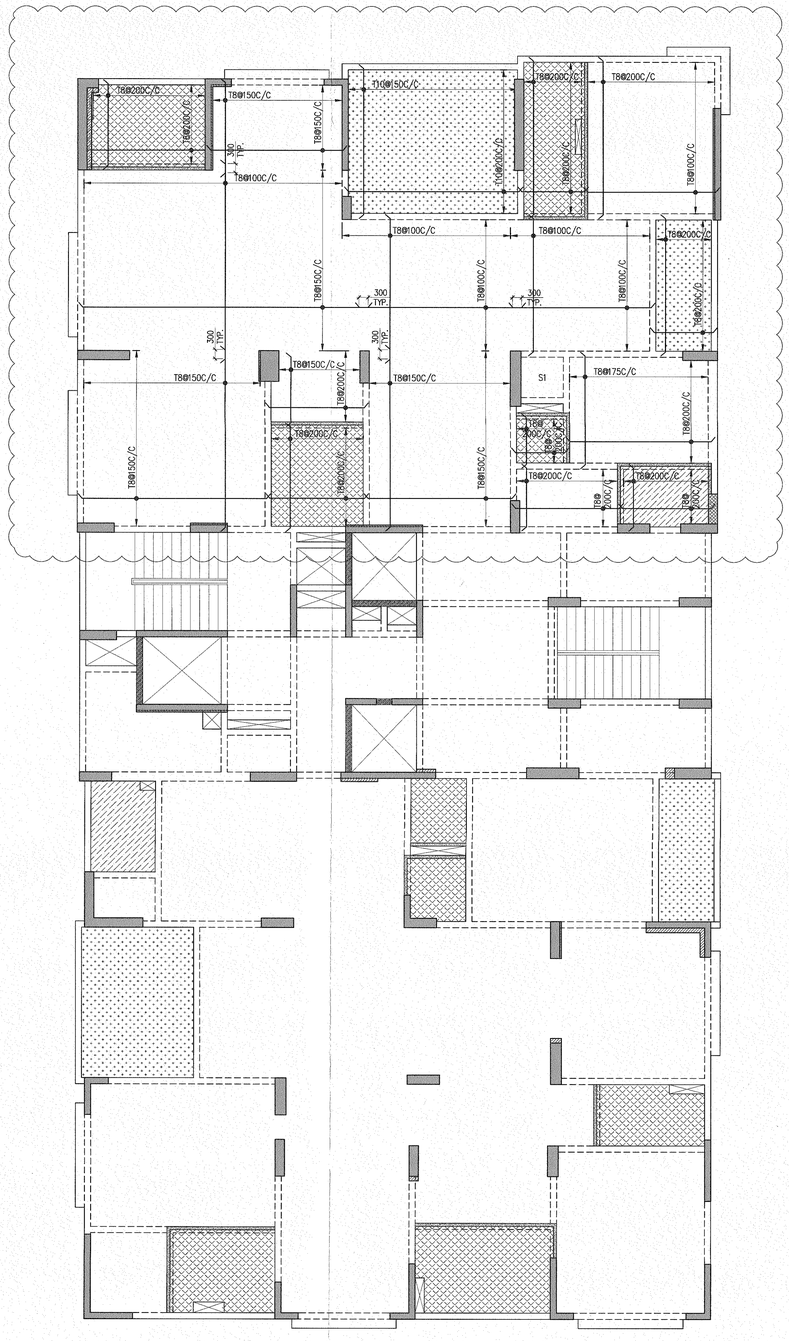
DesignTree Service Consultants Pvt Ltd
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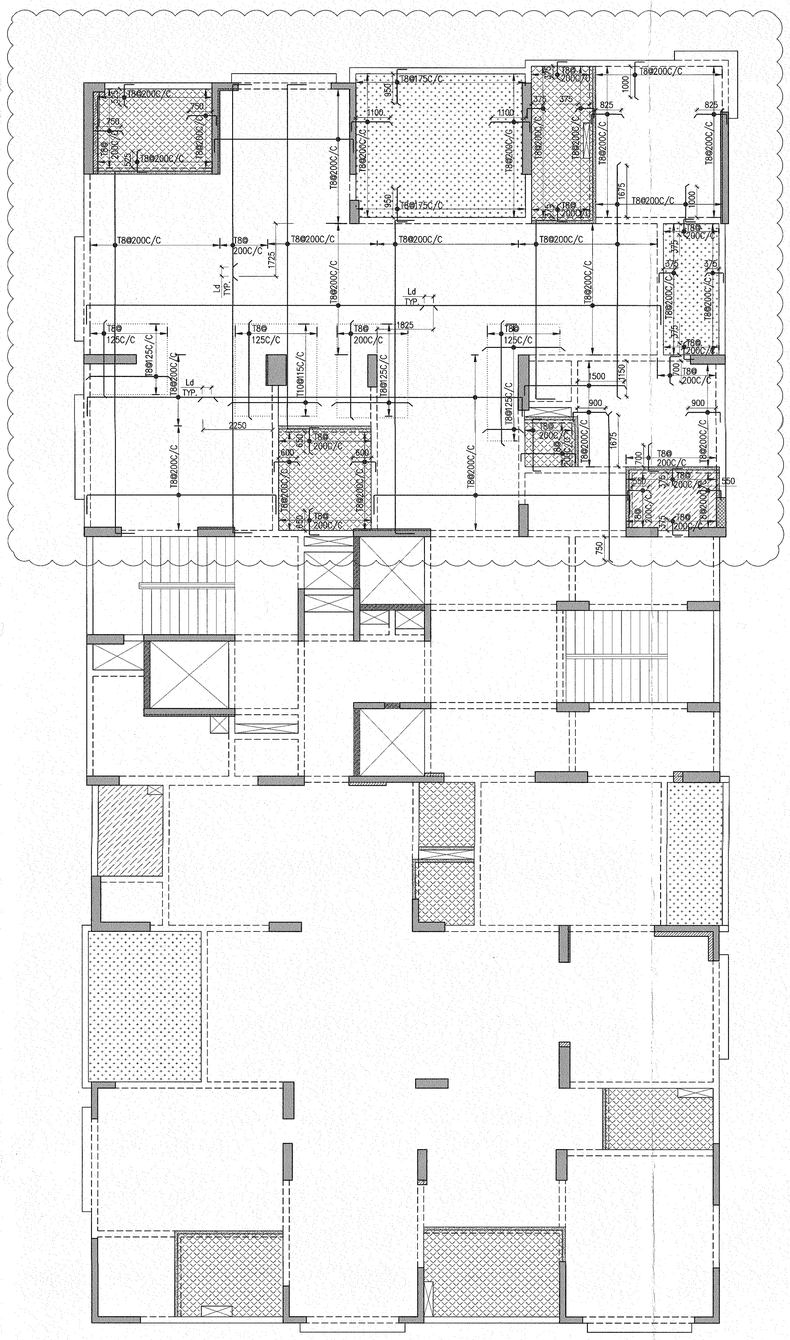
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COLUMN LAYOUT -BLOCK-02

FILE NAME :			SCALE : NTS
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DRAWN : SUGUNA		DATE : 16.07.2024	
COORD BY: -		CHECKED : S.RAO	
JOB NO : -		DRG NO: S-01	REV NO: R0



2ND FLOOR SLAB BOTTOM REINFORCEMENT DETAILS



2ND FLOOR SLAB TOP REINFORCEMENT DETAILS

NOTES:-

1. READ THIS DRAWING ALONG WITH RELEVANT ARCHITECTURAL DRAWINGS.
2. READ THIS DRAWING ALONG WITH RELEVANT SERVICE DRAWINGS.
3. ALL DIMENSIONS ARE IN MILLIMETERS.
4. UNLESS OTHERWISE MENTIONED SLAB IS 125THK.
5. GRADE OF CONCRETE-M30
6. GRADE OF STEEL SHALL BE Fe550D
7. CLEAR COVER FOR SLAB: 25MM
8. S1-PROVIDE T8@200C/C BOTHWAY.
9. PROVIDE DISTRIBUTION STEEL T8@250C/C WHEREVER NECCESSARY.
10. PROVIDE SLAB TOP STEEL T8@200C/C AT DISCONTINEOUS EDGES UNLESS OTHERWISE MENTIONED IN THE LAYOUT

for DesignTree Service Consultants Pvt Ltd
N. Arun Kanarth
Registration No. SE / OR - 1 / 19 / 03 / 074
Registered Structural Engineer Grade - I (SE)

FOR SUBMISSION

DESIGN..... Date-16.07.2024
CHECKED..... Date-16.07.2024

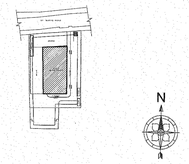
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08	ARCHITECTS-01, CLIENT -07	16.07.2024	SUSMITHA

ISSUALS

NO	DESCRIPTION	DATE	SIGN.

REVISION

KEY PLAN :



PROJECT TITLE :

PROPOSED RESIDENTIAL APARTMENTS
AT ALWARPET, CHENNAI

CLIENT :

AMARA HOMES

ARCHITECTS:

FHD ARCHITECTURE
Fountainhead Architects Pvt. Ltd.
Plot # 15,8-3-684 / 3-15, LIC Colony, Srinagar Colony, Hyderabad - 500073
P: +91 40 23743324 / 25
F: + 91 40 66621253

SMEPF CONSULTANTS :

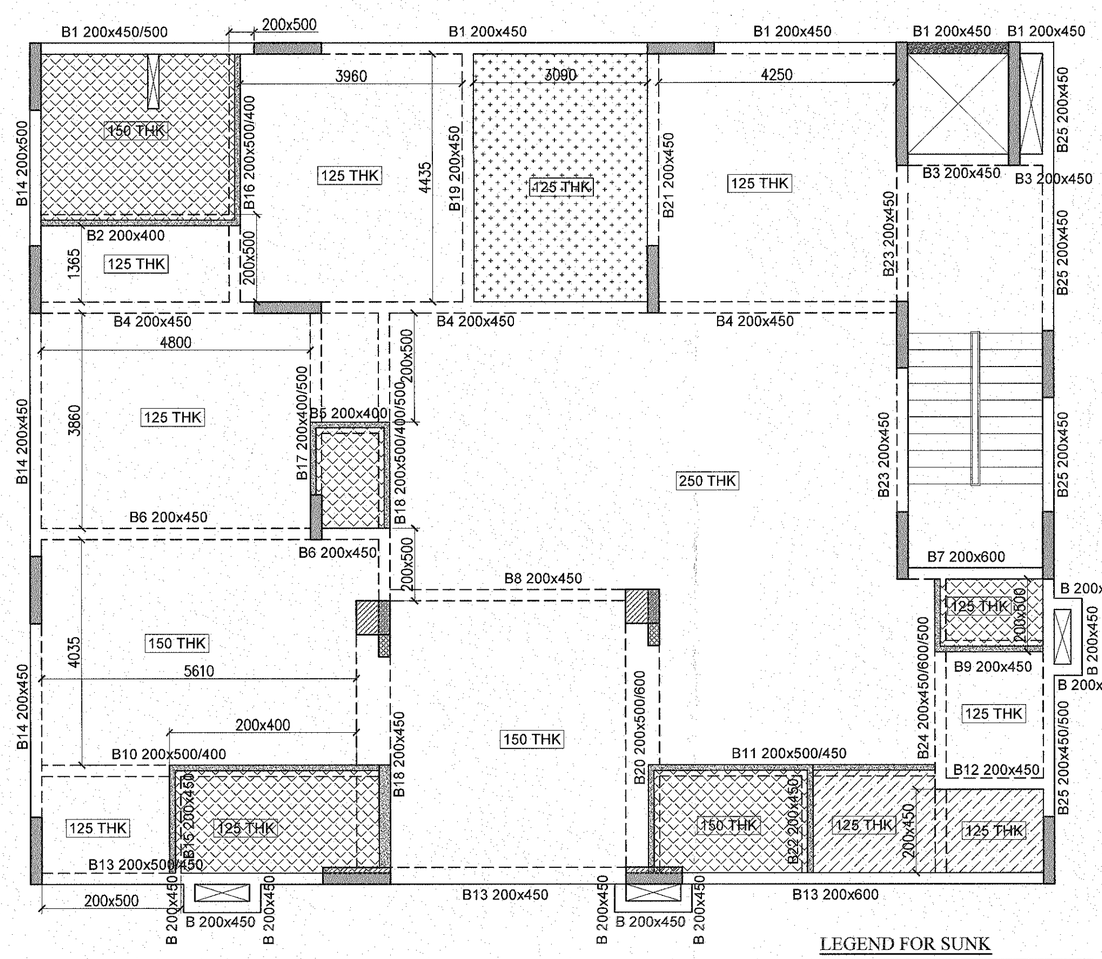
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T: + 91 | M: +91 90 3696 3376 |
www.designtreeconsultants.com
Chennai . Hyderabad . Kolkata

SUBMISSION DRAWING

DRAWING TITLE :

TYPICAL FLOOR SLAB
REINFORCEMENT DETAILS-BLOCK-01

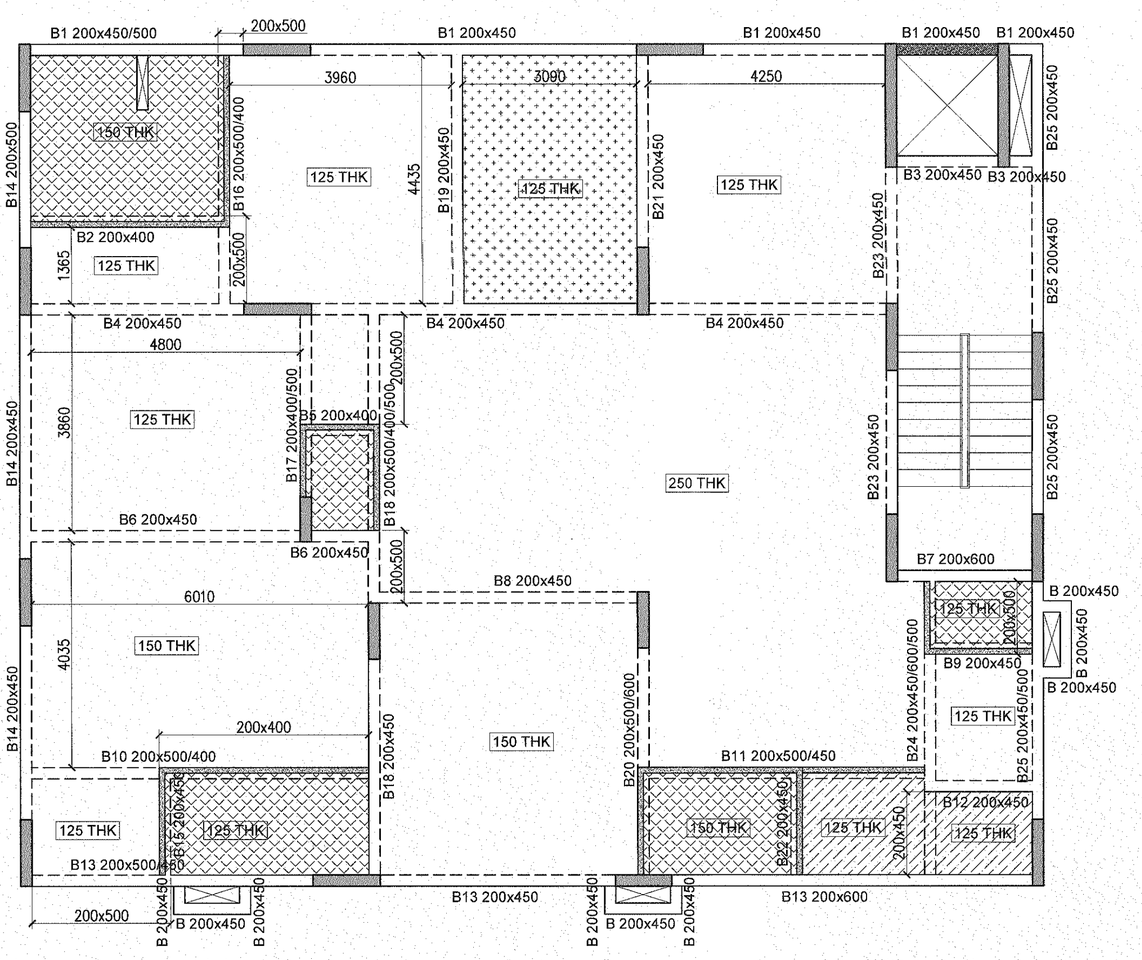
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DESIGN: SUNIL PS			NTS
DRAWN : SUSMITHA	DATE : 16.07.2024		
CCORD BY: UMASHANKAR	CHECKED : SJRAO		
JOB NO : –	DRG NO: S-05		REV NO: R0



1ST FLOOR SHUTTERING LAYOUT

LEGEND FOR SUNK

TOILET - 100mm SUNK	
BALOCNY - 150mm SUNK	
UTILITY - 150mm SUNK	



2ND &3RD FLOOR SHUTTERING LAYOUT

LEGEND FOR SUNK

TOILET - 100mm SUNK	
BALOCNY - 150mm SUNK	
UTILITY - 150mm SUNK	

NOTES:-

1. READ THIS DRAWING ALONG WITH RELEVANT ARCHITECTURAL DRAWINGS.
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3. ALL DIMENSIONS ARE IN MILLIMETERS.
4. UNLESS OTHERWISE MENTIONED SLAB IS 125THK.
5. CUTOUT LOCATIONS & SIZES REFER SERVICES DWG.

for DesignTree Service Consultants Pvt Ltd

N. Arun Karanth
Registration No. SE / GR - I / 19 / 03 / 074
Registered Structural Engineer Grade - I (SE)

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DESIGN..... Date- 16.07.2024
CHECKED..... Date- 16.07.2024

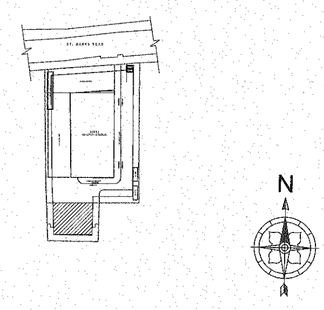
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08	ARCHITECTS-01, CLIENT -07	16.07.2024	PURNA

ISSUALS

NO	DESCRIPTION	DATE	SIGN.

REVISION

KEY PLAN :



PROJECT TITLE :

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AT ALWARPET, CHENNAI

CLIENT :

AMARA HOMES

ARCHITECTS:

FHD GROUP www.fhdgroup.in

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Srinagar Colony, Hyderabad - 500073
P: +91 40 23743324 / 25
F: + 91 40 66621253

SMEPF CONSULTANTS :

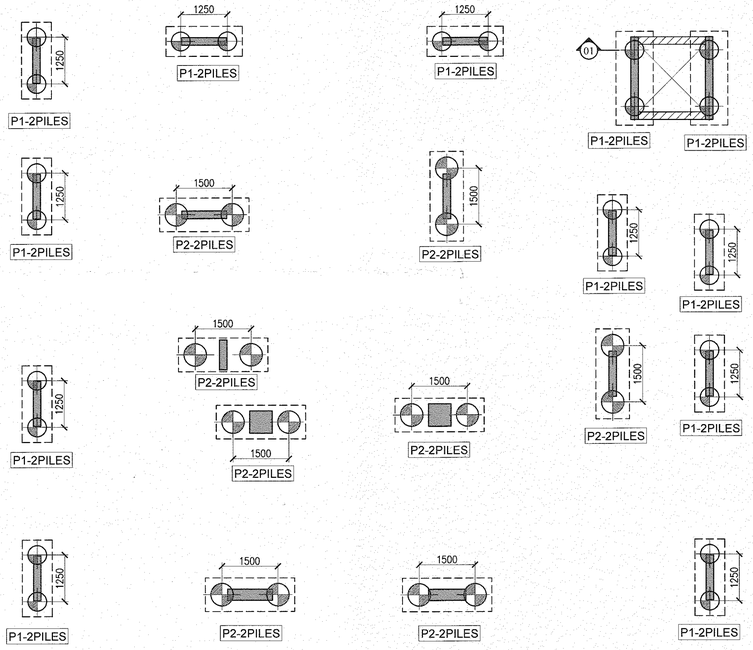
DesignTree Service Consultants Pvt Ltd
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SUBMISSION DRAWING

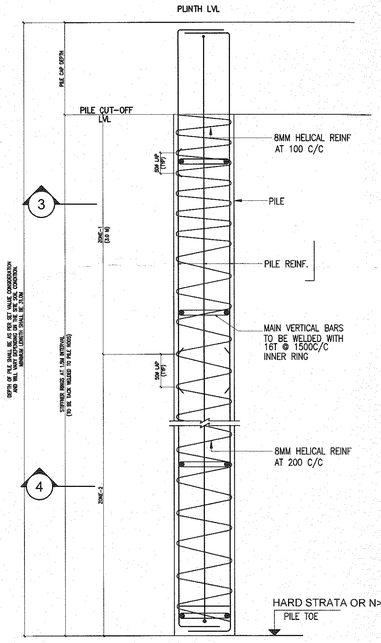
DRAWING TITLE :

1ST,2ND&3RD FLOOR
SHUTTERING LAYOUT.
BLOCK-02

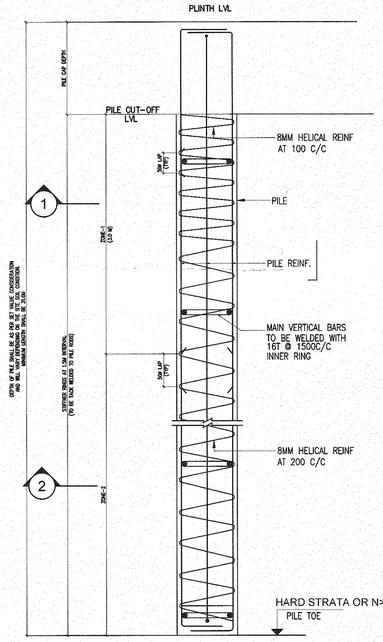
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DESIGN: SUNIL PS			
DRAWN : PURNACHANDRA		DATE : 16.07.2024	
COORD BY: UMASHANKAR		CHECKED : S.RAO	
JOB NO : —		DRG NO: S-03	REV NO: R0



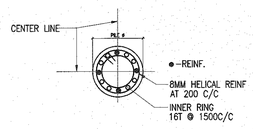
BLOCK-02 PILE LAYOUT



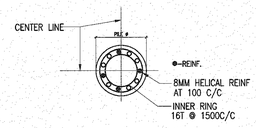
TYPICAL PILE DETAILS FOR P2 (600Ø)



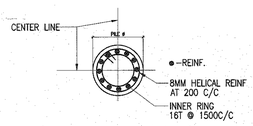
TYPICAL PILE DETAILS FOR P1 (500Ø)



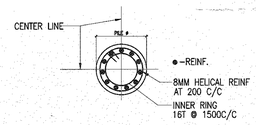
(BORED CAST INSITU PILE)
SECTION-3



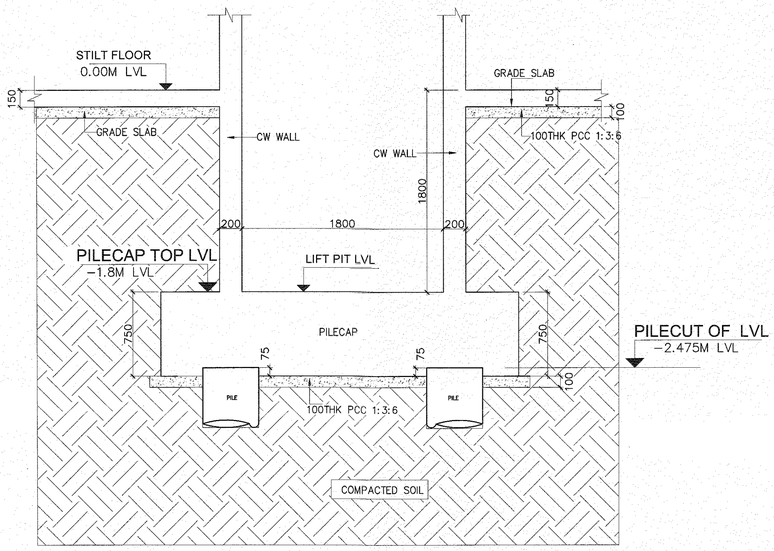
(BORED CAST INSITU PILE)
SECTION-1



(BORED CAST INSITU PILE)
SECTION-4



(BORED CAST INSITU PILE)
SECTION-2



SECTION-01

NOTES FOR BORED CAST INSITU PILES

01. GRADE OF CONCRETE FOR PILE IS M30 WITH MINIMUM CEMENT CONTENT OF 400Kg/CUM & GRADE OF STEEL IS Fe550D.
02. CEMENT IS OF 53 GRADE(OPC) AND SHALL BE OF ULTRA TECH, ACC OR BIRLA MAKE.
03. ALL LAPS IN PILE REINFORCEMENT SHALL BE WELDED TO AN EXTENT OF 10 DIA OF THE BAR (i.e 10 DIA WELD , 10 DIA GAP AND 10 DIA WELD) OR LAPPED WITH TAC WELDING.
04. COVER TO MAIN REINFORCEMENT IS 50mm.
05. MAXIMUM WATER CEMENT RATIO IS 0.45, WITH A SLUMP OF 150 TO 180mm.
06. ALL PILE CAPACITIES ARE BASED ON FRICTION AND END BEARING
07. PILE CUT-OFF LEVEL SHALL BE AS SHOWN IN THE DRAWING AND BY BREAKING THE CONCRETE POURED ABOVE PILE CUT-OFF LEVEL SHALL BE AS PER SPECIFICATIONS
08. ALL THE PILE REINFORCEMENT SHALL BE PROPERLY BENT INTO THE PILE CAP WITH PROPER ANCHORAGE LENGTH AS INDICATED IN THE DRAWINGS.
09. GROUND WATER TABLE SHALL BE MAINTAINED BELOW THE PILE CAP LEVEL UNTIL THE PILE CAP IS CAST BY PUMPING THE WATER USING PUMPS.
10. ALL THE SIDES OF THE EXCAVATED EARTH SHALL BE SUPPORTED BY PROVIDING PROPER SLOPE TO THAT
11. CARE SHOULD BE TAKEN TO SEE THAT THE PILE BOTTOM IS NOT DISTURBED BY THE PILING METHOD. THE SPT VALUE INSIDE THE PILE BORE AFTER FLUSHING SHOULD BE CLOSED TO 50. THIS SHOULD BE VERIFIED FOR ONE PILE IN A GROUP. DMC METHOD OF FILING WOULD BE MORE SUITABLE FOR THIS TYPE OF FOUNDING LAYERS.
12. THE EXCAVATED EXPANSIVE SILTY CLAY SHOULD NOT BE USED FOR PLINTH FILLING.
13. PILE SHOULD NOT DEVIATE MORE THAN 75MM OR D/6 WHICHEVER IS MORE INCASE OF PILES HAVING DIAMETER MORE THAN 600MM.
14. A MINIMUM LENGTH OF 2.0M TEMPORARY CASING SHALL BE PROVIDED FOR EACH BORED PILE. ADDITIONAL LENGTH OF TEMPORARY CASING MAY BE USED DEPENDING ON ON THE CONDITION OF THE STRATA, GROUND WATER LEVEL, ETC.
15. IN A PILE GROUP THE SEQUENCE OF INSTALLATION OF PILES SHALL NORMALLY BE THE CENTER TO THE PERIPHERY OF THE GROUP OR FROM ONE SIDE TO THE OTHER.
16. IN CASE, DEFECTIVE PILES ARE FORMED, THEY SHALL BE LEFT IN PLACE. ADDITIONAL PILES AS NECESSARY SHALL BE PROVIDED.
17. ANY DEVIATION FROM THE DESIGNED LOCATION, ALIGNMENT OR LOAD CAPACITY OF PILE SHALL BE NOTED AND ADEQUATE MEASURES TAKEN WELL BEFORE THE CONCRETING OF THE PILE CAPE AND PLINTH BEAMS.
18. THE TOP OF CONCRETRE IN A PILE SHALL BE BROUGHT ABOVE THE CUT-OFF LEVEL TO PERMIT REMOVAL OF ALL LAITANCE AND WEAK CONCRETE BEFORE CAPPING AND TO ENSURE GOOD CONCRETE AT CUT-OFF LEVEL.
19. THE PILE COORDINATES TO BE TAKEN AFTER CASTING THE PILE TO BE COMPARED WITH THE ORIGINAL COORDINATES TO CHECK THE PILE DEVIATION.

BORED CAST INSITU PILE				
PILE TYPE	P1		P2	
	ZONE-1	ZONE-2	ZONE-1	ZONE-2
PILE DIA	500Ø		600Ø	
MAIN REINFORCEMENT	4-T20+7-T16	11-T12	4-T20+8-T16	12-T12
HELICAL REINFORCEMENT	T8@100C/C	T8@200C/C	T8@100C/C	T8@200C/C
PILE VERTICAL CAPACITY	110T		160T	
PILE LATERAL CAPACITY	2T		3T	
PILE UPLIFT CAPACITY	55T		70T	
DEPTH OF THE PILE	31M FROM NGL		31M FROM NGL	
NO. OF PILES	20 NO'S.		16 NO'S.	
SOCKETING DEPTH	1.5D		1.5D	

NOTES: –

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL AND OTHER SERVICE DRAWINGS. ANY DISCREPANCY IN THE DRAWING SHALL BE BROUGHT TO THE ATTENTION OF THE CONSULTANTS AND RESOLVED PRIOR TO PROCUREMENT/EXECUTION OF WORKS.
2. DO NOT SCALE THE DRAWING, FOLLOW WRITTEN DIMENSIONS.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
4. REFER ARCHITECTURAL DRAWING FOR SETTING OUT PLAN AND GRID DIMENSIONS.
5. GRADE OF CONCRETE : M30
6. GRADE OF STEEL : Fe-550D

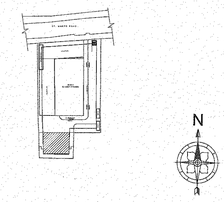
for DesignTree Service Consultants Pvt Ltd
N. Arun Karanth
Registration No. SE / GR - I / 19 / 03 / 074
Registered Structural Engineer Grade - I (SE)

FOR SUBMISSION

DESIGN..... Date– 16.07.2024
CHECKED..... Date– 16.07.2024

NO	DESCRIPTION	DATE	SIGN.
08	ARCHITECTS-01, CLIENT -07	16.07.2024	PURNA
	ISSUALS		
R0	AS PER ARCH REVISION	16.07.2024	PRAMEELA
	REVISION		

KEY PLAN :



PROJECT TITLE :

PROPOSED RESIDENTIAL APARTMENTS AT ALWARPET, CHENNAI

CLIENT :

AMARA HOMES

ARCHITECTS:

FHD ARCHITECTURE
Fountainhead Architects Pvt. Ltd.
Plot # 15,8-3-684 / 3-15, LIC Colony, Srinagar Colony, Hyderabad – 500073
P: +91 40 23743324 / 25
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Chennai Hyderabad Kolkata

SUBMISSION DRAWING

DRAWING TITLE :

PILE LAYOUT.
BLOCK–2

FILE NAME :			SCALE :
DESIGN: SUNIL PS			NTS
DRAWN : PURNACHANDRA		DATE : 16.07.2024	
COORD BY: UMASHANKAR		CHECKED : S.RAO	
JOB NO : –		DRG NO: S–02	REV NO: R0

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Property Documentation & Workflow Tools

Forms & Templates, Document Generator, Document Translation, Dictionary

Vastu & Property Management Tools

Home Vastu Shastra, Plot Vastu Shastra, Property Management

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