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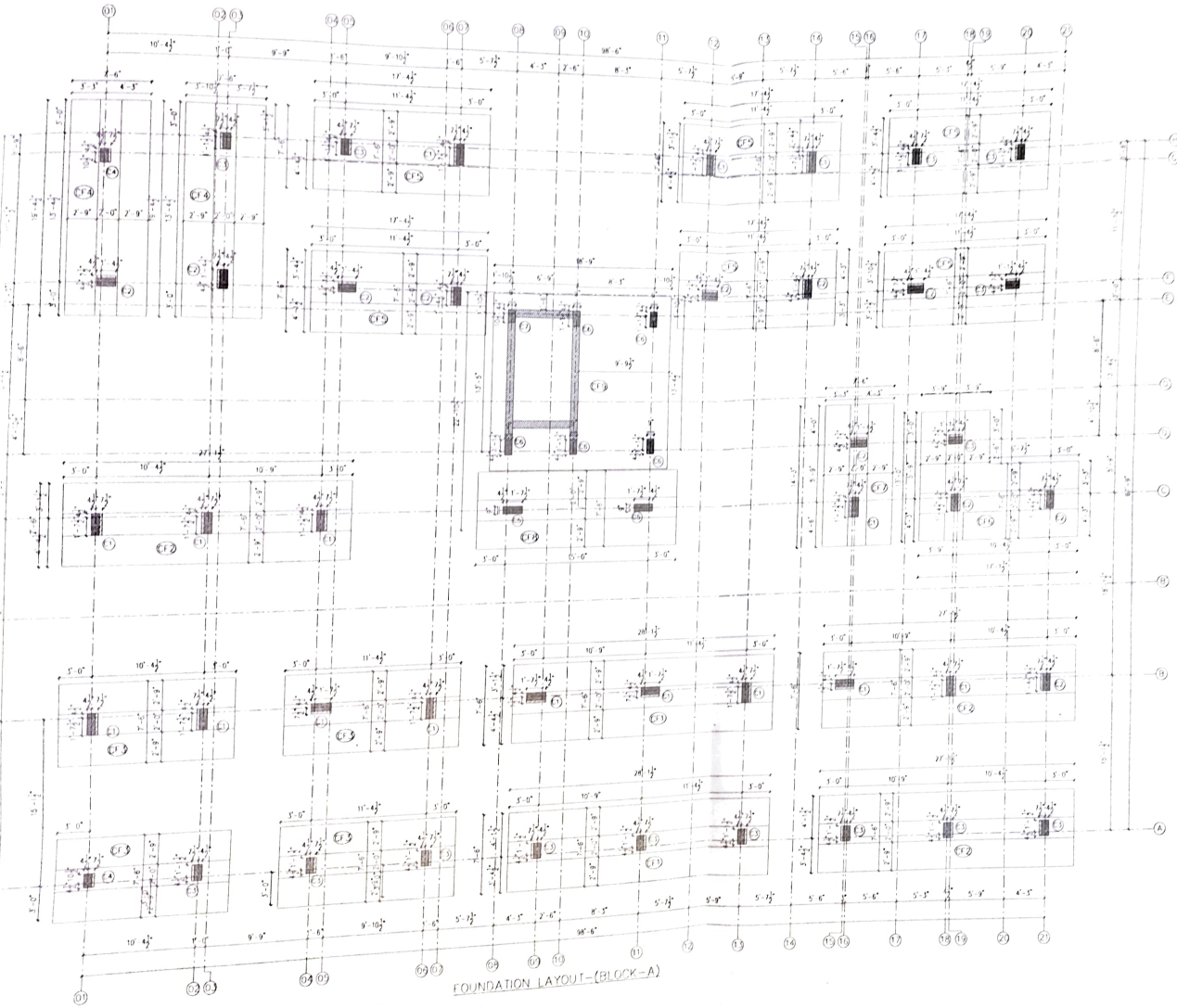
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

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Notes

1. All dimensions are in mm.
2. This drg should be read in conjunction with relevant Arch. & other drawings.
3. All dimensions shall be checked and verified before execution of work.
4. Concrete mix for columns
   Footings / Columns
   Plinth beams / Sloping slab
   Grade slab
   Retaining walls
   Water retaining structures
   Mass concrete
5. Minimum cover for reinforcement
   for columns
   for beams
   for slabs
   for footings
6. REINFORCEMENT
   HYSD Fe 500 for 8mm & above conforming to IS 1786 latest revision
   Mild steel Fe 250 for links & stirrups
   for plinth beam
   for footing
7. Use coarse aggregates and sand conforming to IS 383 latest revision
   Coarse aggregate size
   Sand
   Use potable water for concrete mixing and curing conforming to IS 456 latest revision
8. Use ordinary portland cement conforming to IS 8112 latest revision for 43 grade cement & IS 12269 for 53 grade cement
9. S.B.C. of soil is assumed as
10. Foundation is designed for Grade of soil
11. The centering and shuttering to support structure concrete must be suitably and rigidly braced horizontal ties shall be provided at every 3m height.
12. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.

REV	DATE	REVISION NOTE NO	SIGN	CHKD

FOUNDATION LAYOUT (BLOCK-A)

JOB NO	-	DRAWN	-
DRG.NO	SAP	DESIGNED	-
DATE	-		

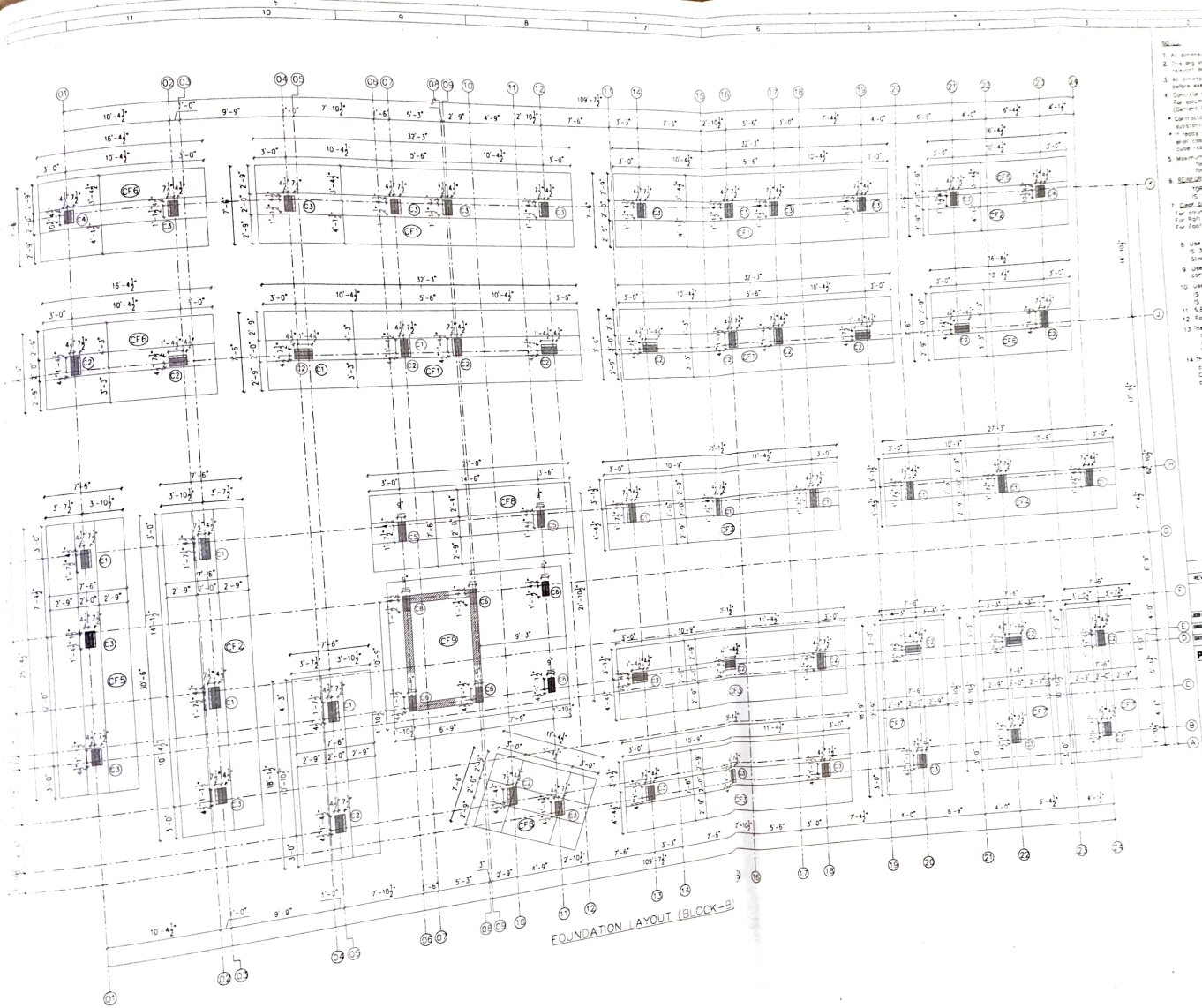
PROJECT :

The Planning Permission Application for the proposed construction of Group Development Residential building consisting 2 Blocks, Block A - 96ft Floor + 5 Floors(Height – 18.30m) with 25 dwelling units, Block B - 96ft Floor + 5 Floors (Height - 18.30m) with 30 dwelling units totally 55 dwelling units with availing premium FSI at T Ponnambalam Salai, Kulapakkam, Chennai comprised in S.No. 115/2 of Kulapakkam village within the limits of Kundrathur Panchayat Union

ARCHITECT CONSULTANT

STRUCTURAL CONSULTANT

Er. P. RAMAN, B.E (CIVIL), M.E (Struct), M.I.E., C.Engg.,
Registered Structural Engineer Grade - I (SE)
CMDA Registration No. SE/SR - 019/02/2006
S.S Mansion Apartments,
No.51/7, Thambiah Road Extn.,
West Mambalam, Chennai-600 033.



NOTES:

1. All dimensions are in mm unless otherwise noted.
2. This drawing should be read in conjunction with the relevant structural drawings and report.
3. All dimensions should be checked on site before execution of any work.
4. Concrete mix :
   For columns : M30
   Cement Content : 360 kg/m3
   For footings : M30
   Cement Content : 360 kg/m3
   • Contractor / Client should send a cube test result to the substantiate the concrete mix grade.
   • If ready mixed concrete is purchased, client/contractor should independently collect and send each cast concrete cube sample to us.
   • Cube results should be shared to us.
5. Maximum water cement ratio
   for 1:2:4 - 0.50
   for 1:1 1/2:3 - 0.45
6. REINFORCEMENT :
   TOR STEEL - for ø8mm & above conforming to IS 1786 (latest revision)
   MILD STEEL - for ø8mm & below conforming to IS 432 (latest revision)
7. Clear concrete cover to main bars :
   For columns - 40mm For slab, grob - 50mm
   For Raft Beam - 75mm, For Plinth beam - 50mm
   For Footing - 50mm, For Raft base slab - 50mm
8. Use stone aggregates and sand conforming to IS 383 (latest revision)
   Stone aggregates size - 20mm and down grade
9. Use good water for concrete mixing and curing conforming to IS 456 (latest revision)
10. Use ordinary portland cement conforming to IS 8112 (latest revision) for 53 grade cement & IS 12269 for 53 grade cement.
    53 grade cement is assumed as
11. S.B.C of soil assumed for Ground+5Floors
12. Foundation is designed for structural stability and rigidity
13. The centering and shuttering to support structural concrete must be sufficiently strong and rigid. Proper horizontal ties shall be provided at every 1.5m height.
14. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete

REV	DATE	REVISION NOTE NO	SIGN	CHKD
-	-	-	-	-

FOUNDATION LAYOUT (BLOCK-B)

JOB NO	DRAWN
SHEET NO	CHECKED
DATE	

PROJECT :

The Planning Permission Application for the proposed construction of Gross Development Residential building consisting 2 Blocks, Block A - Stilt Floor + 5 Floors(Height - 18.30m) with 36 units, Block B - Stilt Floor + 5 Floors (Height - 18.30m) with 36 dwelling units totally 72 dwelling units with enabling amenities P39 at 1/462 of Kalapakkam village within the limits of Kundrathur Panchayat Union

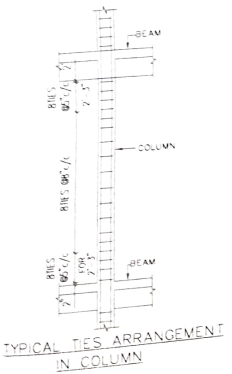
ARCHITECT CONSULTANT

STRUCTURAL CONSULTANT

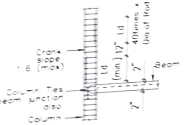
Er. P. PAM...
Registered Structural Engineer
...
S.G. Mansion, 1st Floor,
No. 113, Thambuchetty Road,
West Mambalam, Chennai - 600 033

SCHEDULE OF COLUMNS (MIX: 30)

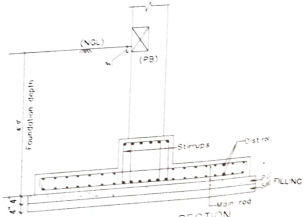
TYPE	FOOTING SIZE	DEPTH		FOOTING REINFORCEMENT		COLUMN REINFORCEMENT						
		h1	h2	L	B	GROUND FLOOR	FIRST FLOOR	SECOND FLOOR	THIRD FLOOR	FOURTH FLOOR	FIFTH FLOOR	STIRRUPS
C1	LIFT & COMBINE FOOTING					8-#20+4-#16	8-#20+4-#16	12-#16	12-#16	12-#16	12-#16	#8 T@
C2						8-#20+2-#16	8-#20+2-#16	12-#16	12-#16	12-#16	12-#16	#8 T@
C3						8-#16	8-#16	4-#16+4-#12	4-#16+4-#12	4-#16+4-#12	4-#16+4-#12	#8 T@
C4						4-#16+4-#12	4-#16+4-#12	4-#16+4-#12	4-#16+4-#12	4-#16+4-#12	4-#16+4-#12	#8 T@
C5						8-#20+4-#16	8-#20+4-#16	12-#16	12-#16	12-#16	12-#16	#8 T@
C6						8-#16	8-#16	4-#16+4-#12	4-#16+4-#12	4-#16+4-#12	4-#16+4-#12	#8 T@
C7						4-#16+4-#12	4-#16+4-#12	4-#16+4-#12	4-#16+4-#12	4-#16+4-#12	4-#16+4-#12	#8 T@



TYPICAL TIES ARRANGEMENT IN COLUMN



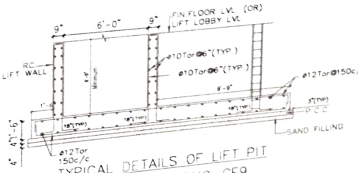
SPLICE WITH UPPER BARS CRANKED INTO POSITION INSIDE LOWER BARS



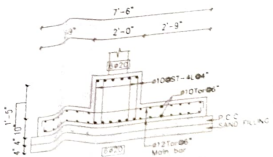
TYPICAL VERTICAL SECTION (COMBINED FOOTING)



ANCHORAGE DETAILS FOR REINFORCEMENT BARS OF COLUMN AT ISOLATED FOOTING

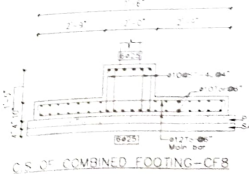


TYPICAL DETAILS OF LIFT PIT COMBINED FOOTING-CF9

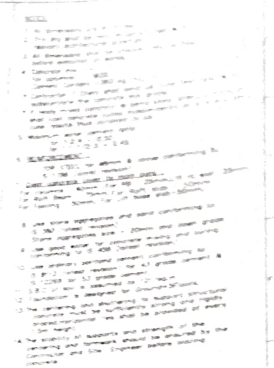


C.S. OF COMBINED FOOTING-CF1

SAME STEEL AS FOLLOW IN CF2,CF3,CF4,CF5&CF7



C.S. OF COMBINED FOOTING-CF8



COLUMN SCHEDULE AND FOOTING DETAILS (BLOCK-A&B)

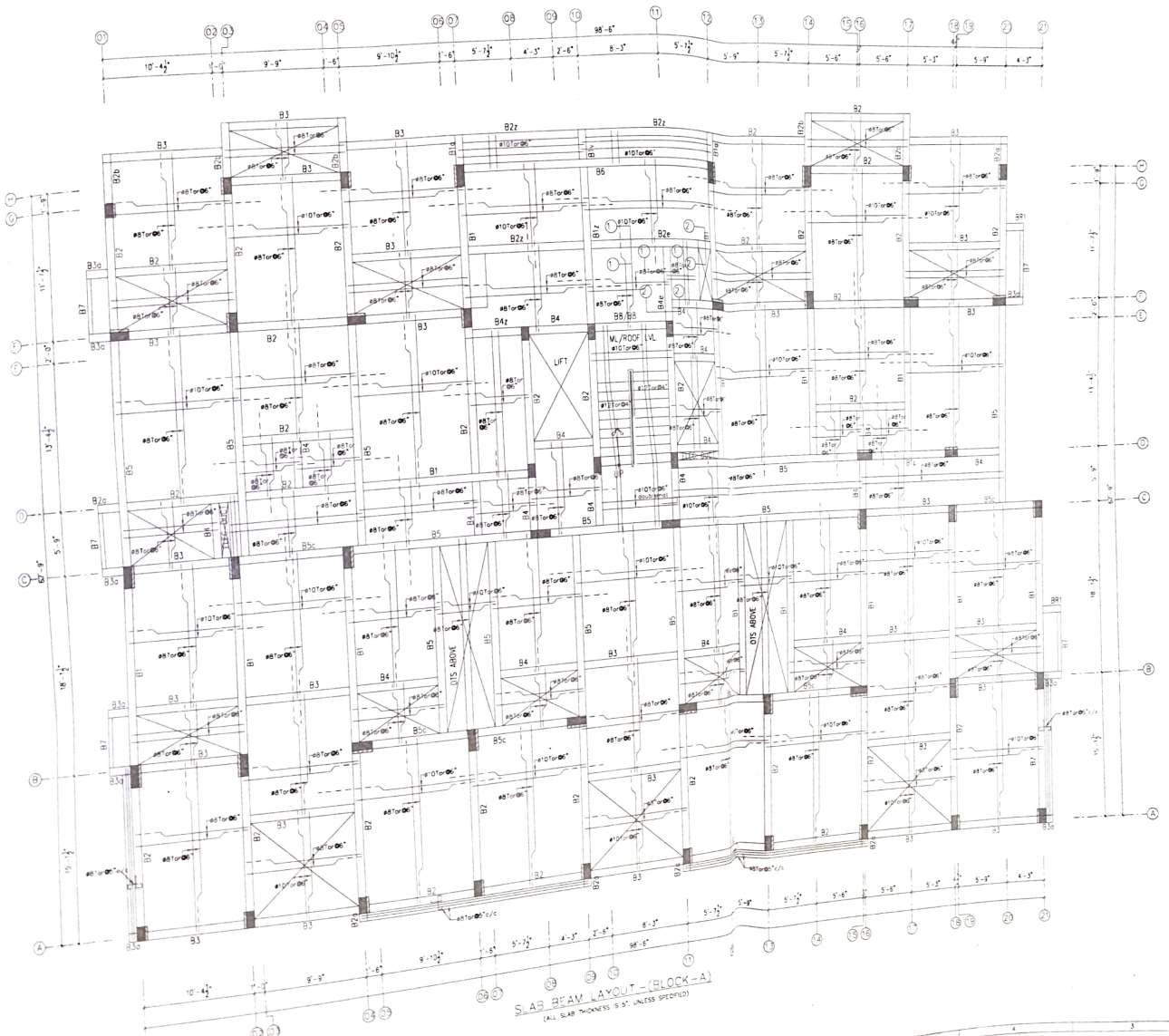
PROJECT :

The Planning Permission Application for the proposed construction of Group Development Residential building consisting 2 Blocks, Block A - Stilt Floor + 5 Floors(Height – 18.30m) with 25 dwelling units, Block B - Stilt Floor + 5 Floors (Height – 18.30m) with 30 dwelling units totally 55 dwelling units with ancillary premium FSI at T.Pommambalam Salai, Kulapakkam, Chennai comprised in S.No. 1182 of Kulapakkam village within the limits of Kundrathur Panchayat Union

ARCHITECT CONSULTANT

STRUCTURAL CONSULTANT

K. P. RAMAN, BE (Civil), MIE (Ind.), MIE (Struct.)
Registered Structural Engineer Grade - I (SE)
ENGG. Registration No. 56108 - I/15/2006
S.E. Planning Authority
No.5/12, Thandavan Road, T. Nagar,
West Mambalam, Chennai-600 033.



NOTES

1. All dimensions are in inches
2. This drg shall be read in conjunction with relevant architectural drawings
3. All dimensions shall be checked and verified before execution of works
4. Concrete mix
   for columns - M30
   Cement Content - 360 kg/m3)
   - Contractor / Client shall send cu cube test results to superintend the concrete mix design
   - Ready mixed concrete is being used, client/contractor shall test concrete cubes independently at site and send cube results thus obtained to us.
5. Maximum water cement ratio
   for 1:2:4 - 0.50
   for 1:1/2:3 - 0.45
6. REINFORCEMENT
   FOR STEEL: for ø8mm & above conforming to IS 1786 (latest revision)
7. Clear concrete cover to main steel - 25mm SLAB 20mm
   For columns - 40mm For BEAM - 25mm
8. Use stone aggregates and sand conforming to IS 383 (latest revision)
   Stone aggregates size - 20mm and down grade
9. Use good water for concrete mixing and curing conforming to IS 456 (latest revision)
10. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement
11. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly erected.cross ties shall be provided at every 1.5m height.
12. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete

REV	DATE	REVISION NOTE NO	SIGN	CHKD
-	-	-	-	-

SLAB BEAM LAYOUT.(BLOCK-A)

JOB NO	-
DRGS.NO	S-01
DATE	-
DRAWN	-
DESIGNED	-

PROJECT :

The Planning Permission Application for the proposed construction of Group Developed Residential building consisting 2 Blocks, Block A - Stilt Floor + 5 Floors(Height - 18.30m) with 36 dwelling units, Block B - Stilt Floor + 5 Floors (Height - 18.30m) with 36 dwelling units totally 72 dwelling units with enabling premises FSI of 1 Pamposedsite Sold, Kolapakkam, Chennai comprised in S.No. 1182/ of Kolapakkam village within the limits of Kundrathur Panchayat Union

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STRUCTURAL CONSULTANT

R.S.Mirapes Apartments
No.5/3, Thambuh Road Extn.,
West Mambalam, Chennai-600 033

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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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