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தமிழ்நாடு तमिलनाडु TAMIL NADU 73AB 481933

01 JUN 2020

The Executive Engineer T. Revathi
T.N.S.B
Reconstruction North Division
Chennai

T. REVATHI
L.No. 26/B3/2000
STAMP VENDOR
No: 58-A, M.T.H. ROAD,
VILLIVAKKAM, CHENNAI-49

FORM FOR CERTIFICATE FOR STRUCTURAL DESIGN SUFFICIENCY

(To be submitted before issue of Planning Permission)

With respect to the building proposed / Construction Kargil Nagar scheme, Thiruvottriyur in Chennai Corporation Dn.7 TS.No 1/1&3/1 Block No-8 Ward –D , Thiruvottriyur Village , Thiruvottiyur Taluk ,Thiruvallur District.we certify that the structural plans of the building meet the structural safety requirements for all situations including natural disasters, as applicable, as stipulated under Part 6 Structural Design of the National Building Code of India and other relevant Codes; The design has been done after detailed soil test and we are satisfied as to the adequacy of soil test carried out and the information given therein is factually correct to the best of our knowledge and understanding.

NOTARY
V.K. SAKTHI KUMAR
CITY OF CHENNAI
G.O.MS.NO.413/2018
NOTARY EXPIRY DATE
02.01.2023
GOVT. OF TAMILNADU, INDIA

EXECUTIVE ENGINEER
RECONSTRUCTION DIVISION
T.N.S.C. BOARD
T.P. CHATRAM, CHENNAI-10.

The site is fit for the proposed construction, it has been tested vide soil test report. No.22.01.2018 done by Geotechnological Engineering Division ,IIT Madras .

Signature of owner/ Builder with date

EXECUTIVE ENGINEER
RECONSTRUCTION DIVISION
T.N.S.C. BOARD
T.P. CHATRAM, CHENNAI-10.

Signature of the Registered Engineer / Structural Engineer Regn. No.1997

SE/GR-1/19/04/092

P.K. CHANDRAN, B.E., M.E.(Struct)
STRUCTURAL ENGINEER
SE/GR-1/19/04/092
No. 15/7, NALLANNA STREET,
ROYAPETTAH, CHENNAI-600 014.

Signature of Architect & Regn. No. CA/2013/60416

VENKATESH R.K, B.Arch
Architect CA/2013/60416
CMDA Reg No. RA/Gr. I/19/09[illegible]4
No. 1/10, 1st Street, Moorth[illegible]agar,
Chettiar Agaram, Chennai - 600 077.

Signature of Geo Tech Expert with Regn. No. of the Company ST Regn. No.

Prof. A. Boominathan, Ph.D.,
Geotechnical Engg. Division
Department of Civil Engineering
Indian Institute of Technology Madras
Chennai - 600 036. INDIA.
boomi@iitm.ac.in

33AAAAI3615G1Z6

Name : Er.D.ELAMBARITHI
Address: Executive Engineer ,
Reconstructio Division,
TNSCB
TP Chatram,
Chennai – 10.

Mobile No: 9444228461
E mail ID. rcnorth2014@gmail.com

NOTARY
V.K. SAKTHI KUMAR
CITY OF CHENNAI
G.O.Ms.No. 47/3/2017
NOTARY EXPIRY DATE
02.01.2023
GOVT. OF TAMILNADU, INDIA

2-6-2020

V.K. SAKTHI KUMAR, B.A.B.L.,
ADVOCATE & NOTARY PUBLIC
Res: New No.9, Konnur High Road,
5th Lane, Ayanavaram,
Chennai-600 023, Enroll No: 330/85
Ph: 98413 65381

Consultant	Name and Address	Registration	No E-Mail ID & Mobile No	Signature
Owner of the land / Power of Attorney Holder / Lease Holder	Thiru.D.Elamparithi, Executive Engineer, Reconstruction Division, Tamil Nadu Urban Habitat Development Board		9444228461 eercdntnuhdb @gmail.com 044-26640859	EXECUTIVE ENGINEER RECONSTRUCTION DIVISION T.N.U.H.D.B., Chennai-10.
Architect / L.S.	VENKATESH.R.K, B.Arch STUDIO MADRAS ARCHITECTS COA Reg.No. CA/2013/60416 CMDA Reg.No. RA/Gr.1/19/09/354 GCC Reg.No. RA/Gr.1/101362019		info.studiomadras @gmail.com 9884803508	VENKATESH.R.K, B.Arch STUDIO MADRAS ARCHITECTS COA Reg.No. CA/2013/60416 CMDA Reg.No. RA/Gr.1/19/09/354 GCC Reg.No. RA/Gr.1/101362019
Structural Engineer	P.K. CHANDRAN, B.E.,M.E.(Struct) STRUCTURAL ENGINEER SE/GR-1/19/04/092 No. 15/7, NALLANNA STREET ROYAPETTAH, CHENNAI-600 014		vijaychandran@yahoo.com 9841436529	P.K. CHANDRAN, B.E.,M.E (Struct) STRUCTURAL ENGINEER SE/GR-1/19/04/092 No. 15/7, NALLANNA STREET ROYAPETTAH, CHENNAI-600 014
Signature of Geo-Tech Expert	Prof. A. Boominathan, Ph.D, Geotechnical Engineering Division, Department of Civil Engineering, Indian Institute of Madras, Chennai-36.	33AAAAI3615G1Z6	boomi@iitm.ac.in 9840378960	Prof. A. Boominathan, Ph.D., Geotechnical Engg. Division Department of Civil Engineering Indian Institute of Technology Madras Chennai - 600 036. INDIA. boomi@iitm.ac.in
Site Supervision Engineer	N.Subramanian, Assistant Executive Engineer, Reconstruction Division, Tamil Nadu Urban Habitat Development Board		8072507183 eercdntnuhdb @gmail.com 044-26640859	Assistant Executive Engineer Re-Construction North Division Sub Division -II T.P. Chathram, Chennai-600 010.

DEPONENT

Witness:

1. CA. MOHAMED IBRAHIM M.E., ASSISTANT ENGINEER-TNUHDB).

2. (S.RAJASEKAR) (ASSISTANT ENGINEER-TNUHDB)

EXECUTIVE ENGINEER
RECONSTRUCTION DIVISION
T.N.U.H.D.B., Chennai-10.

Duly attested by the

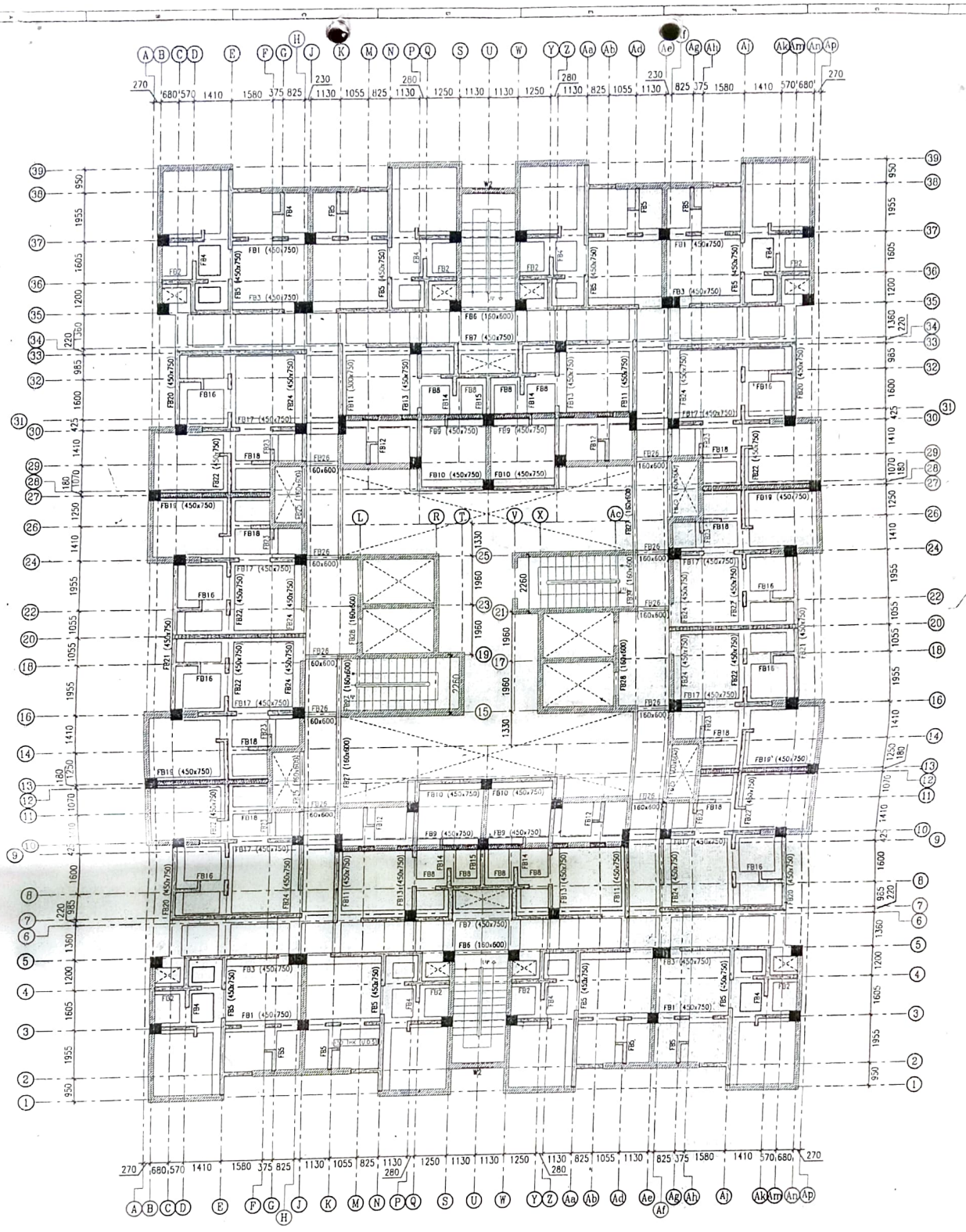
Notary Public

SEAL

NOTARY S.RAMESH ADVOCATE THIRUVOTTIYUR. G.O. Ms.No.320, Law Dt. 29.03.2017 GOVT. OF TAMILNADU

10/2021.

S. RAMESH, B.A., B.L.,
Advocate
Notary & Commissioner of Oaths
No.5, K.J. Garden, New No.9, Kanakkar St.,
Thiruvottiyur, Chennai - 600 019.



THICKNESS OF SLAB = 150 THK (U.O.S) (TYP)

FIRST FLOOR BEAM & SLAB LAYOUT(STILT ROOF)

NOTE:
FB2,FB3- (450x750)
FB5- (450x750)
FB8- (450x750)
FB12- (450x750)
FB14,FB15- (450x750)
FB16- (450x750)
FB18- (300x750)
FB23- (300x750)

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   BEAM -30mm, SLAB -20mm, RC WALL -25mm
   FOR OUTER RC WALL, OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe. 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

A.E.

DATE	NO	REVISION	CHECKED	APPROVED
16.05.19	B	GENERALLY REVISED		
15.09.18	A	"GOOD FOR CONSTRUCTION"		

Ph: 28130823

Structural Consultant: Vignesh Consulting Engineers — "Vel Annuthe Towers", 15/7, Nalina Mudali Street, Royapettah, Chennai-14. P.K.CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS, II-204J, 5th STREET, 13th MAIN ROAD, ANNA NAGAR, CHENNAI - 600040

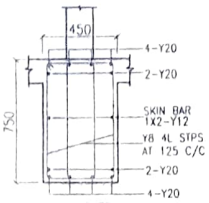
CLIENT: TAMILNADU SLUM CLEARANCE BOARD

CONTRACTOR: J.V.Sathyamoorthy & Co

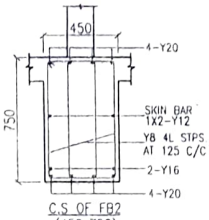
PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

FIRST FLOOR BEAM & SLAB LAYOUT

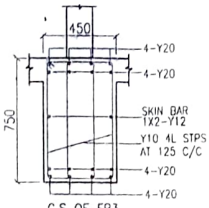
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Designed	MS	
Drawn	RAGHAVAN	15.09.18
Scale		
Drawing No	SM-BAR-301-3.0/0-B	Rev B



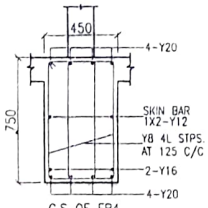
C.S OF FB1 (450x750)



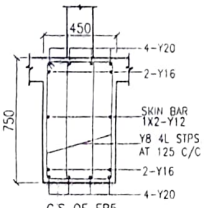
C.S OF FB2 (450x750)



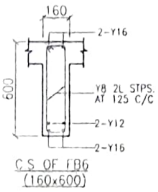
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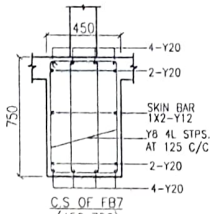
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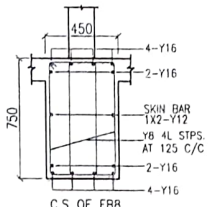
C.S OF FB5 (450x750)



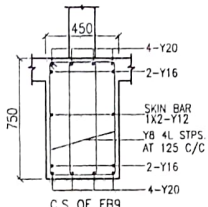
C.S OF FB6 (160x600)



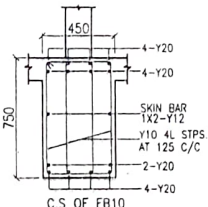
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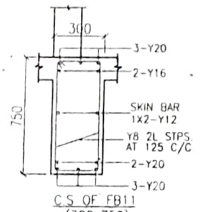
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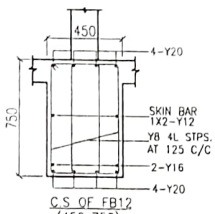
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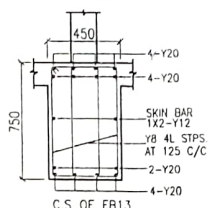
C.S OF FB10 (450x750)



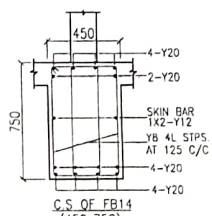
C.S OF FB11 (300x750)



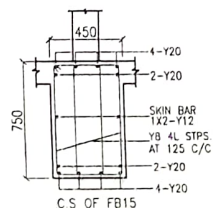
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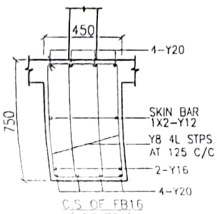
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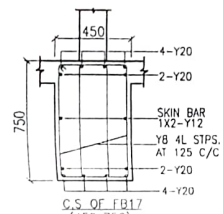
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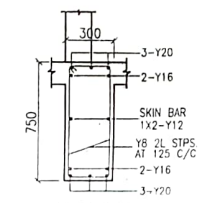
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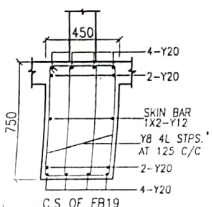
C.S OF FB16 (450x750)



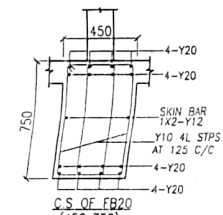
C.S OF FB17 (450x750)



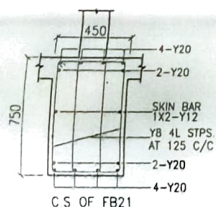
C.S OF FB18 (300x750)



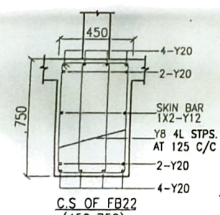
C.S OF FB19 (450x750)



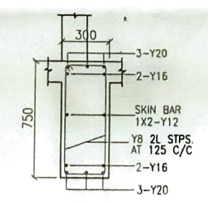
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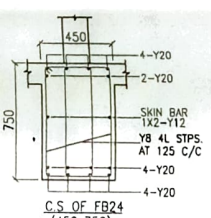
C.S OF FB21 (450x750)



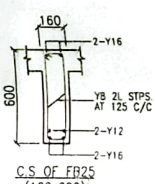
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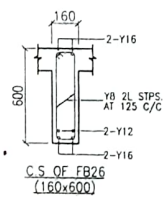
C.S OF FB23 (300x750)



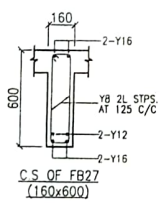
C.S OF FB24 (450x750)



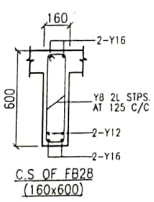
C.S OF FB25 (160x600)



C.S OF FB26 (160x600)



C.S OF FB27 (160x600)



C.S OF FB28 (160x600)

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS : BEAM –30mm, SLAB –20mm, RC WALL –25mm
   FOR OUTER RC WALL, OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 –2008
5. LAP LENGTH SHALL BE 40 TIMES DIA OF BAR AND SHALL BE KEPT STAGGERED

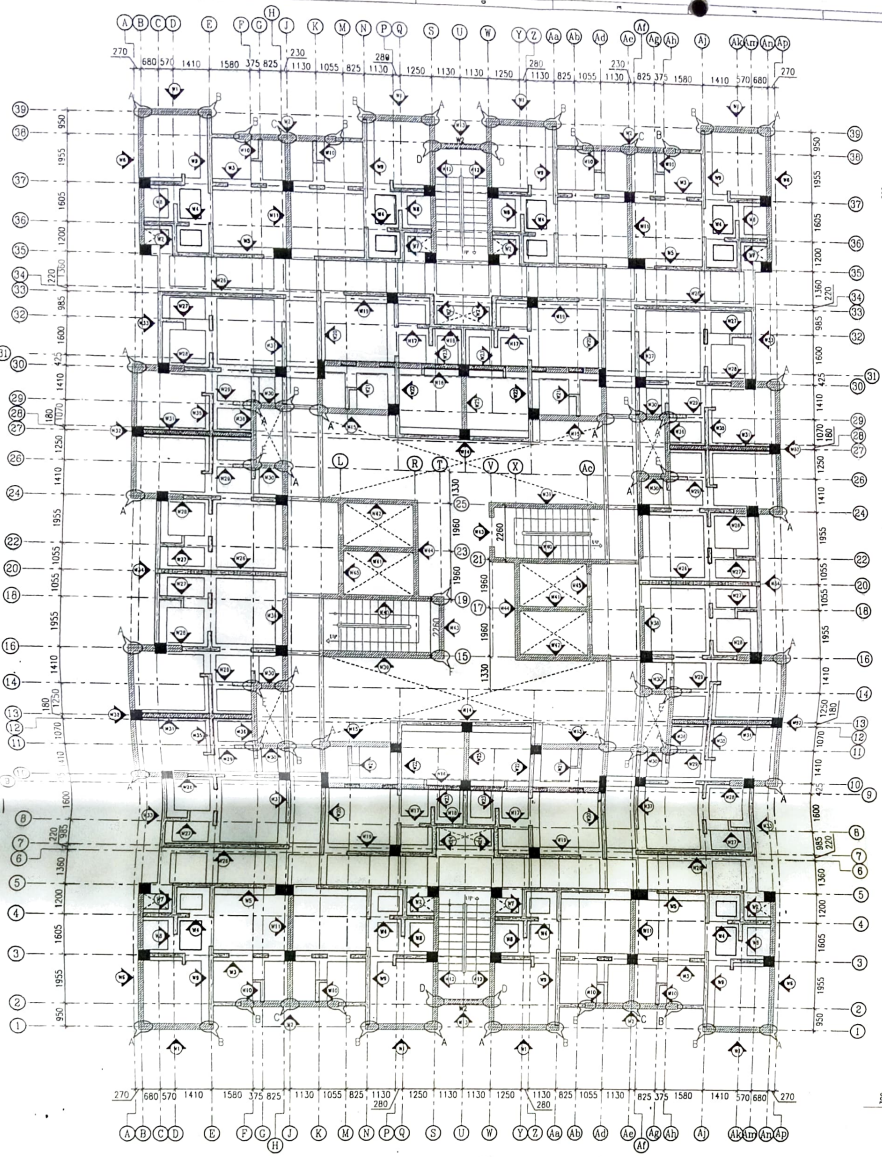
DATE	NO	REVISION	CHECKED	APPROVED
16.05.19	B	GENERALLY REVISED		
19.09.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant
Vignesh
Consulting Engineers
* Vel Amrutha Towers *
15/7, Nallana Mudali Street,
Royapettah, Chennai-14.
Ph : 28130835
P.K.CHANDRAN M.E(STRUCT)

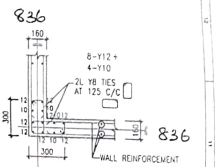
ARCHITECTS: STUDIO MADRAS ARCHITECTS
H-2043, 5th STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

	NAME	DATE
Designed	TCE	
Drawn	KARPAGAVALLI	19.05.19
Scale		

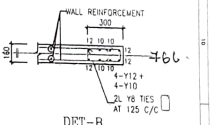
CLIENT: TAMILNADU SLUM CLEARANCE BOARD
CONTRACTOR: V.Sathyamoorthy & Co
PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.
R.C DETAILS OF FIRST FLOOR BEAM
Drawing No
Rev B



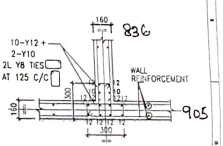
WALL & SLAB LAYOUT -(STILT ROOF)



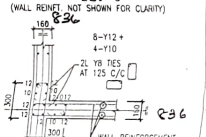
DET-A
(WALL REINFT. NOT SHOWN FOR CLARITY)



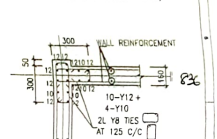
DET-B
(WALL REINFT. NOT SHOWN FOR CLARITY)



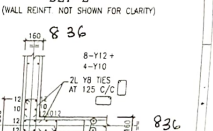
DET-C
(WALL REINFT. NOT SHOWN FOR CLARITY)



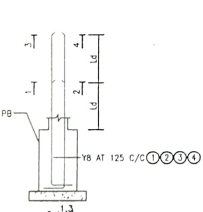
DET-D
(WALL REINFT. NOT SHOWN FOR CLARITY)



DET-E 1062
(WALL REINFT. NOT SHOWN FOR CLARITY)



DET-F
(WALL REINFT. NOT SHOWN FOR CLARITY)



TYP. DET. OF R.C. WALL DOWELS
(PLINTH BEAM REINFT. NOT SHOWN FOR CLARITY)

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   BEAM –30mm, SLAB –20mm, RC WALL –25mm
   FOR OUTER RC WALL, OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 –2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

DATE	NO	REVISION	CHECKED	APPROVED
18.05.18	B	GENERALLY REVISED		
18.04.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant: Vignesh, Consulting Engineers — "Vel Amruthe Towers", 15/7, Nallana Mudali Street, Royapettah, Chennai-14. P.K.CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS, H-2043, 5th STREET, 13th MAIN ROAD, ANNA NAGAR, CHENNAI – 600040

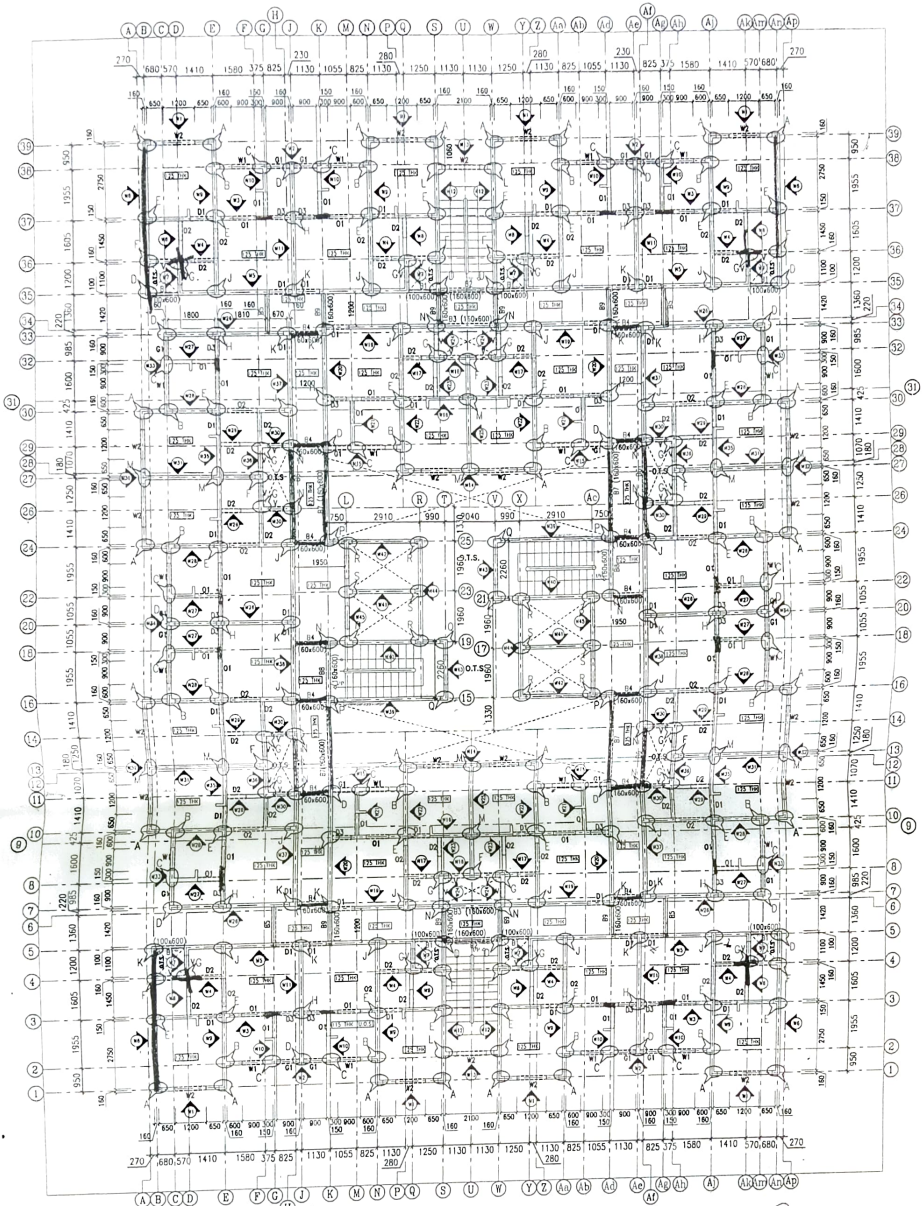
CLIENT: TAMILNADU SLUM CLEARANCE BOARD

CONTRACTOR: V.Sathyamoorthy & Co

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE AMBATTUR TALUK, THIRUVALLUR DIST.

LAYOUT & R.C DETAILS OF FIRST FLOOR WALL & SLAB

	NAME	DATE
Designed	YCS	
Drawn	KASINATHAN	18.04.18
Scale		
Drawing No	SM-SAC-WALL-SLAB-1	Rev B



THICKNESS OF SLAB = 115 THK (U.O.S) (TYP)

TYPICAL FLOOR WALL & SLAB LAYOUT -(2 TO 15)

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   BEAM –30mm, SLAB –20mm, RC WALL –25mm
   FOR OUTER RC WALL, OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 –2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

DATE	NO	REVISION	CHECKED	APPROVED
18.03.19	B	GENERALLY REVISED		
18.06.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant: Vignesh Consulting Engineers — "Val Amruthe Towers", 15/7, Nallana Mudali Street, Royapettah, Chennai-14 — P.K.CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS, H-1043, 5th STREET, 12th MAIN ROAD, ANNA NAGAR, CHENNAI – 600040

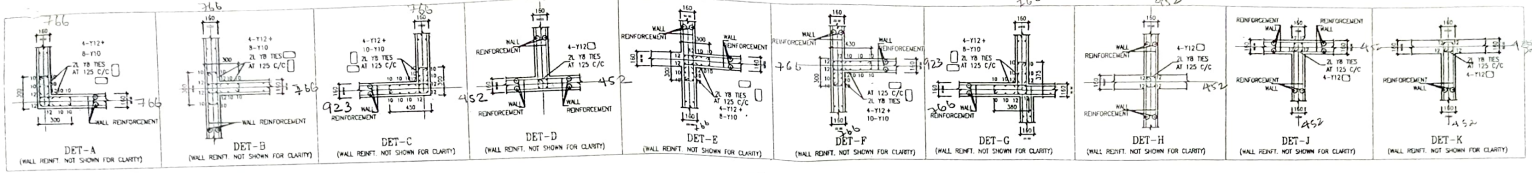
CLIENT: TAMILNADU SLUM CLEARANCE BOARD

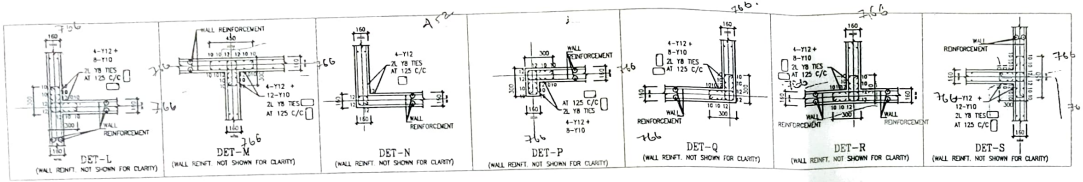
CONTRACTOR: V Sathyamoorthy & Co

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE AMBATTUR TALUK THIRUVALLUR DIST.

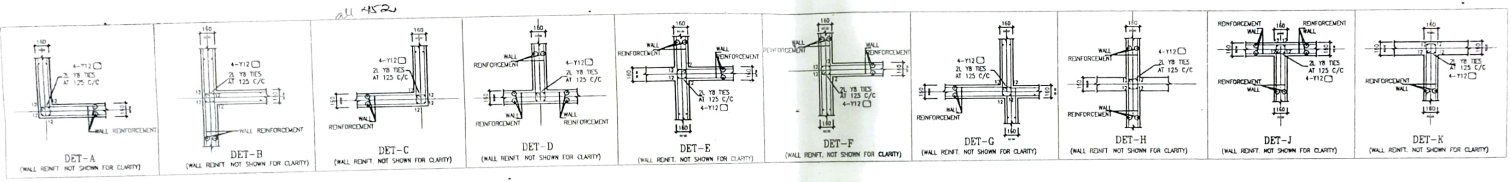
LAYOUT OF TYPICAL FLOOR BEAM & WALL (2 TO 15)

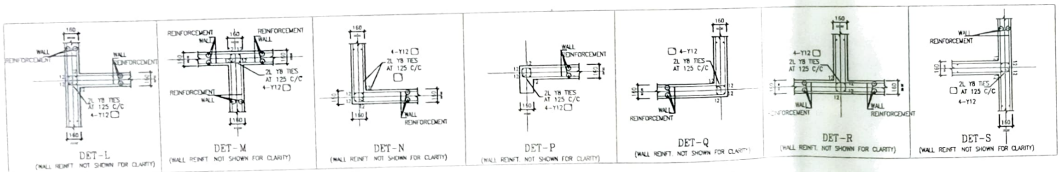
	NAME	DATE
Designed	RCB	
Drawn	KARTHIKEYAN	18.06.18
Scale		
Drawing No	SV – SMC – ADH – S – 202 – B	





RC WALL DETAILS (4TH TO 8TH FLOOR)





RC WALL DETAILS (9TH TO 15TH FLOOR)

NOTES:
1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS
   BEAM - 30mm, SLAB - 20mm, RC WALL - 25mm
   FOR OUTER RC WALL, OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

16.05.19	A	"GOOD FOR CONSTRUCTION"	
DATE	NO	REVISION	CHECKED / APPROVED

Structural Consultant: Vignesh, Consulting Engineers — "Val Anrutha Towers", 15/7, Nalluru Mudali Street, Royapettah, Chennai-14. Ph: 28130875. P.R.CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS, ARCHITECTS, No. 29-A, 3RD STREET, 12th MAIN ROAD, ANNA NAGAR, CHENNAI - 600040.

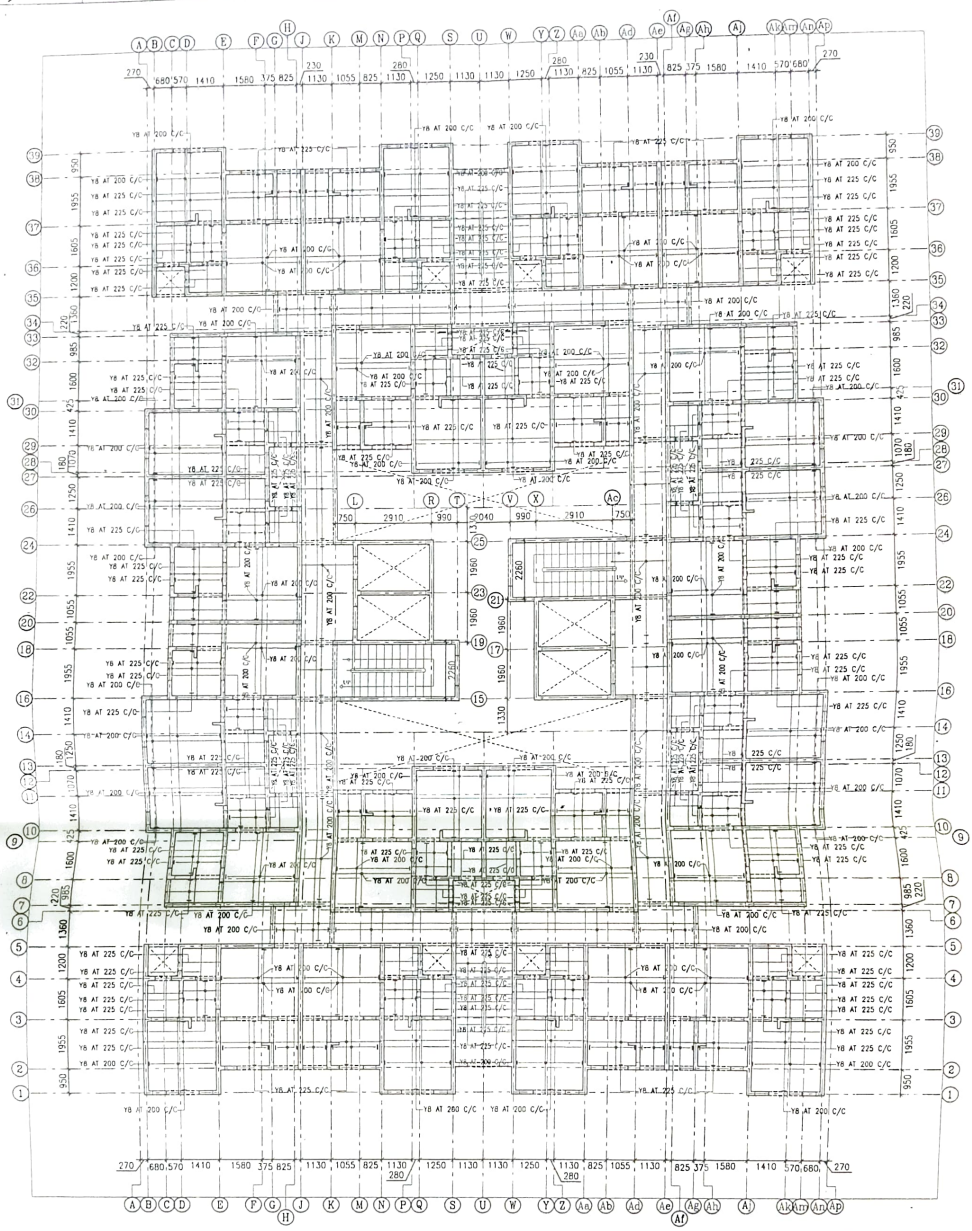
CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

CONTRACTOR: V SATHYAMOORTHY & CO

PROJECT: CONSTRUCTION OF 100 TENEMENTS AT KARUR NAGAR AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

	NAME	DATE
Designed	RCE	
Drawn	RAMESH & VIJAY	16.05.19
Checked		
Drawing No.	TBM-SMC-WW-S-DWG-144	Rev. A

DENOTES TWENTY METRES OF RC WALL



PROVIDE DISTRIBUTION STEEL Y8 @ 225 C/C AT TOP & BOTTOM WHERE REQUIRED TO FORM A MESH WITH THE MAIN REINFORCEMENT

SLAB BOTTOM REINF. DETAIL

TYPICAL FLOOR WALL & SLAB DETAIL -(2 TO 15)

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   BEAM –30mm, SLAB –20mm, RC WALL –25mm
   FOR OUTER RC WALL, OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 –2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

DATE	NO	REVISION	CHECKED	APPROVED
18.05.18	B	GENERALLY REVISED		
18.09.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant: Vignesh
Consulting Engineers
"Vel Amrutha Towers"
15/7, Nellana Nudali Street,
Royapettah, Chennai-14.
Ph : 28130825
P.K.CHANDRAN M.E(STRUCT)

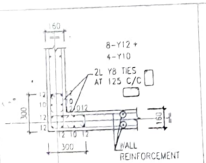
ARCHITECTS: STUDIO MADRAS ARCHITECTS
H-224J, 9th STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

CLIENT: TAMILNADU SLUM CLEARANCE BOARD

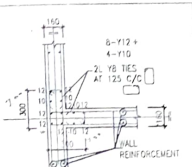
CONTRACTOR: V.Sathyamoorthy & Co

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

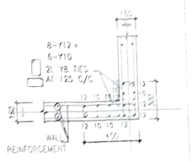
Designed: YSB
Drawn:
Traced:
Drawing No:



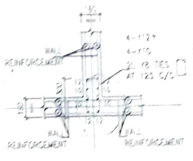
DET-A
(WALL REINFT. NOT SHOWN FOR CLARITY)



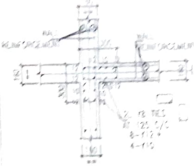
DET-B
(WALL REINFT. NOT SHOWN FOR CLARITY)



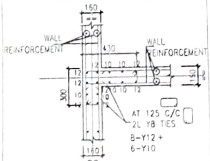
DET-C
(WALL REINFT. NOT SHOWN FOR CLARITY)



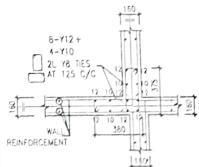
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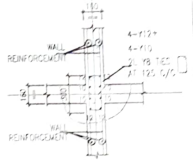
DET-E
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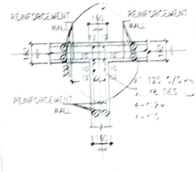
DET-F
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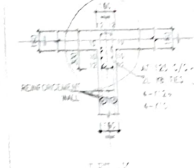
DET-G
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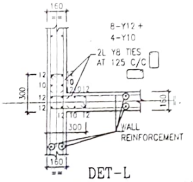
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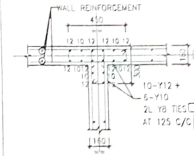
DET-I
(WALL REINFT. NOT SHOWN FOR CLARITY)



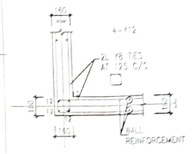
DET-J
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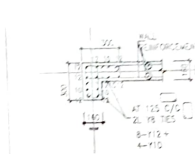
DET-L
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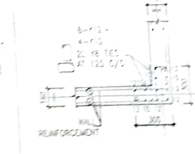
DET-M
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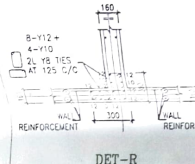
DET-N
(WALL REINFT. NOT SHOWN FOR CLARITY)



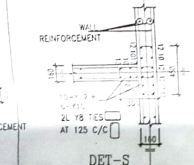
DET-P
(WALL REINFT. NOT SHOWN FOR CLARITY)



DET-Q
(WALL REINFT. NOT SHOWN FOR CLARITY)

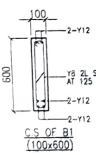


DET-R
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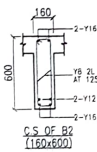


DET-S
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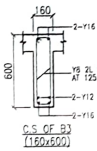
RC WALL DETAILS (1ST TO 3RD FLOOR)



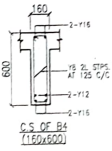
C.S OF B1
(100x600)



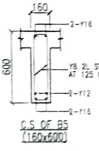
C.S OF B2
(160x600)



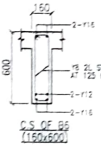
C.S OF B3
(160x600)



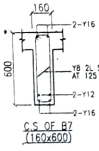
C.S OF B4
(160x600)



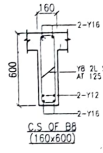
C.S OF B5
(160x600)



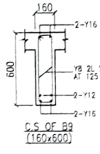
C.S OF B6
(160x600)



C.S OF B7
(160x600)



C.S OF B8
(160x600)



C.S OF B9
(160x600)

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   BEAM -30mm, SLAB -20mm, RC WALL -25mm
   FOR OUTER RC WALL OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

4.05.18	B	GENERALLY REVISED		
9.04.18	A	"GOOD FOR CONSTRUCTION"		
DATE	NO	REVISION	CHECKED	APPROVED

Structural Consultant: Vignesh Consulting Engineers
"Sri Annapoorna Towers", 15/7, Nallana Mudali Street, Kodambakkam, Chennai-24
P.M.CHANDRAN M.E.(STRUCT)

ARCHITECTS: M/S. T.S.C. MADRAS, ARCHITECTS
No.20A(1), 5th STREET, 12th MAIN ROAD, ANNA NAGAR, CHENNAI - 600040

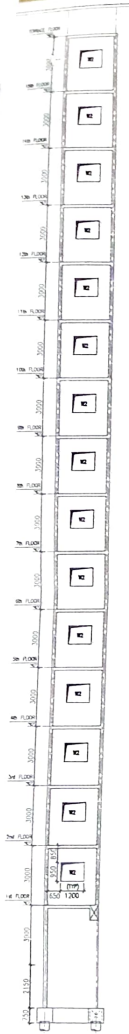
CLIENT: TAMILNADU SLUM CLEARANCE BOARD

CONTRACTOR: M/s. Sathyamoorthy & Co

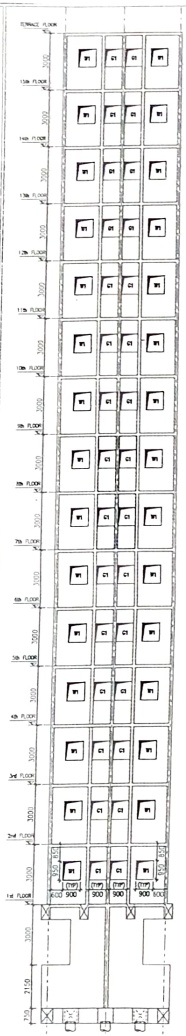
PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARUL NAGAR AT THIRUVOTTIYUR VILLAGE AMBATTUR TALUK THIRUVALLUR DIST.

RC DETAILS OF TYPICAL FLOOR (BLOCK 2 Nos)

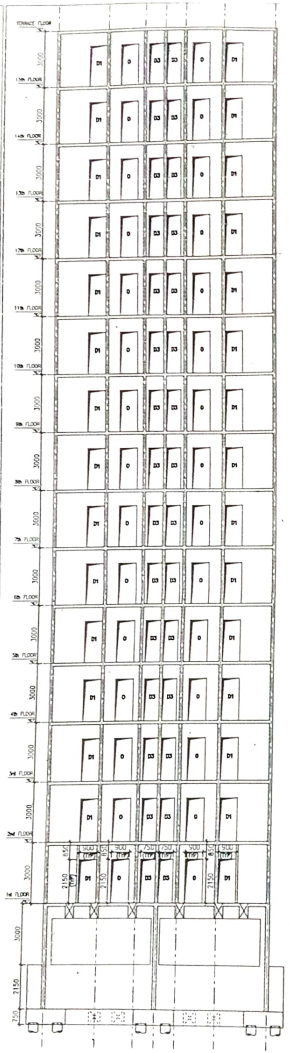
Designed	YCB	
Drawn		Scale of Plot
Checked		
Drawing No.		Rev.



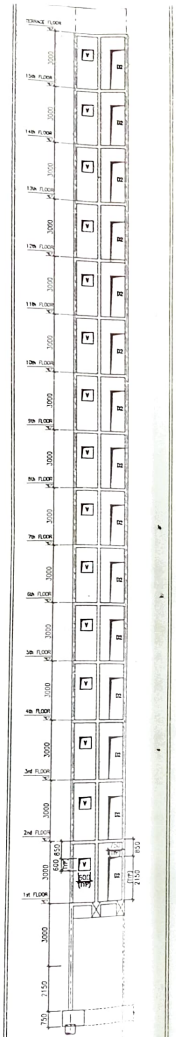
ELEVATION OF WALL -W1



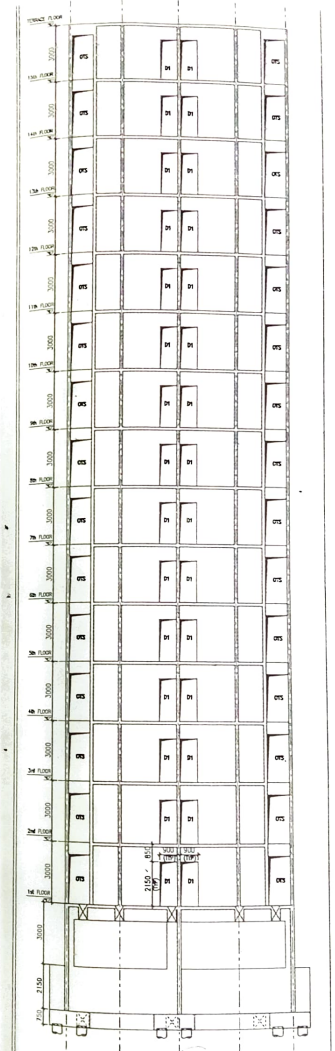
ELEVATION OF WALL -W2



ELEVATION OF WALL -W3



ELEVATION OF WALL -W4



ELEVATION OF WALL -W5

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   BEAM -30mm, SLAB -20mm, RC WALL -25mm
   FOR OUTER RC WALL, OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

16.05.19	B	GENERALLY REVISED		
19.09.18	A	"GOOD FOR CONSTRUCTION"		
DATE	NO	REVISION	CHECKED	APPROVED

Structural Consultant
Vignesh
Consulting Engineers
" Vel Amrutha Towers "
15/7 , Nallana Mudali Street,
Royapettah, Chennai-14
Ph : 28130825
P.K.CHANDRAN M.E.(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS
N-204/1, 5th STREET, 12th MAIN ROAD
ANNA NAGAR, CHENNAI - 600040

	NAME	DATE
Designed	KCE	
Drawn		
Scale		

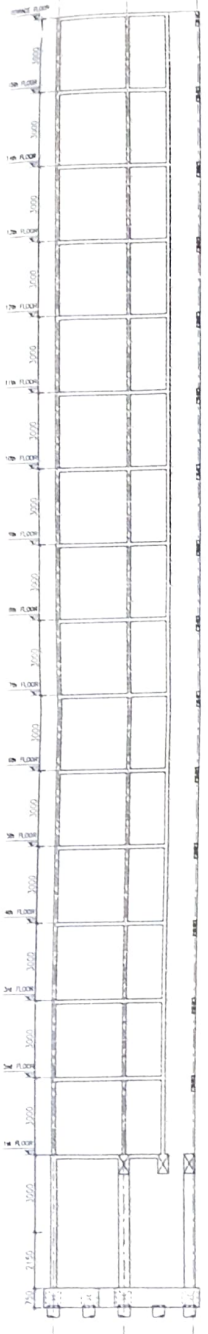
CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

CONTRACTOR: V.SATHYAMOORTHY & CO

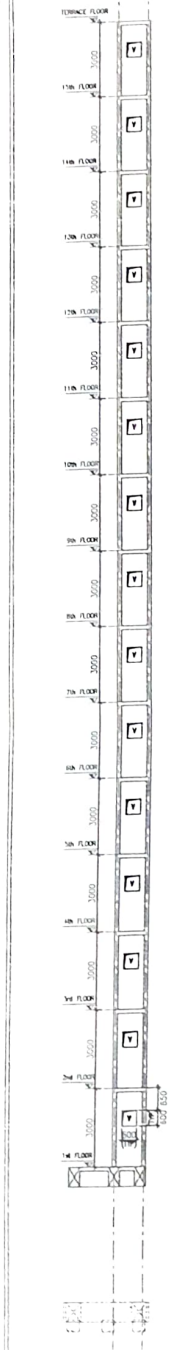
PROJECT CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

Drawing No.
M/S. PKC-KEN-SLNCH-12

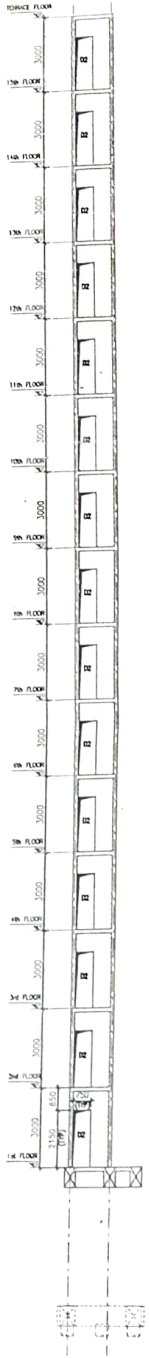
ELEVATION OF R.C. WALL



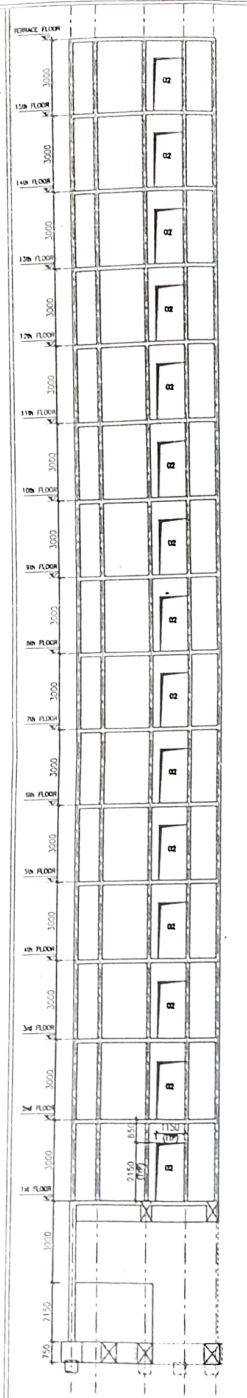
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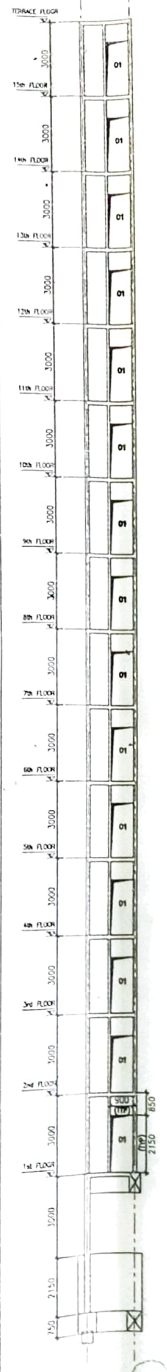
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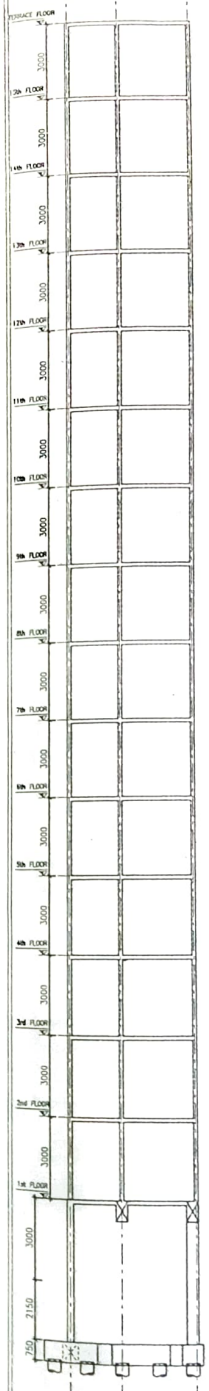
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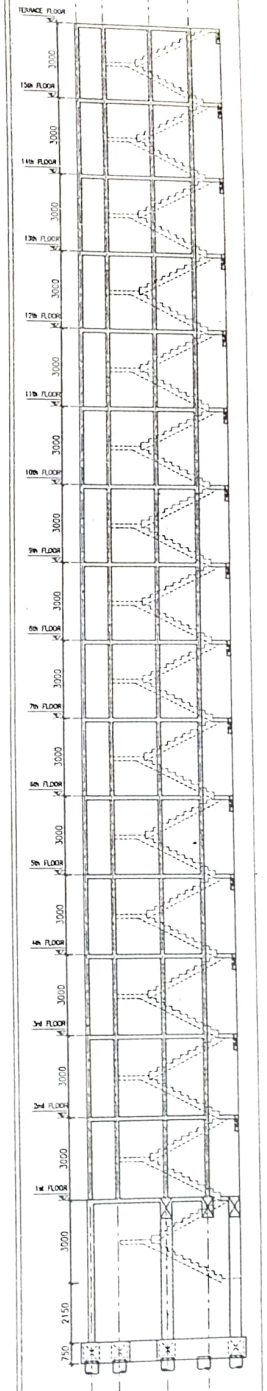
ELEVATION OF WALL -W9



ELEVATION OF WALL -W10



ELEVATION OF WALL -W11



ELEVATION OF WALL -W12

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   BEAM -30mm, SLAB -20mm, RC WALL -25mm
   FOR OUTER RC WALL OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 40 TIMES DIA OF BAR AND SHALL BE KEPT STAGGERED

DATE	NO	REVISION	CHECKED	APPROVED
16.05.19	B	GENERALLY REVISED		
19.09.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant
Vignesh
Consulting Engineers
" Vel Amrutha Towers "
15/7 , Nattana Mudali Street,
Royapettah, Chennai-14
Ph 28130825

P.K.CHANDRAN M.E(STRUC)

ARCHITECTS: STUDIO MADRAS ARCHITECTS
H-3043, 5th STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

CONTRACTOR: V SATHYAMOORTHY & CO

PROJECT CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

	NAME	
Designed	RSE	
Drawn	KANAGAVALLI	
Scale		
Drawing No		

3 ELEVATION OF R.C. WALL



NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS : BEAM -30mm, SLAB -20mm, RC WALL -25mm FOR OUTER RC WALL, OUTER FACE COVER 40mm
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DATE	NO	REVISION	CHECKED	APPROVED
18.03.19	B	GENERALLY REVISED		
18.09.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant
Vignesh
Consulting Engineers
" Vel Amrutha Towers "
15/2 , Nallana Mudali Street,
Royapettah, Chennai-14
Ph : 28130825

P.K.CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS
H-2043, 5th STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

	NAME	DATE
Designed	YOE	
Drawn	RAMPRASATH.S	18.09.18
Scale		
Drawing No		Rev

CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

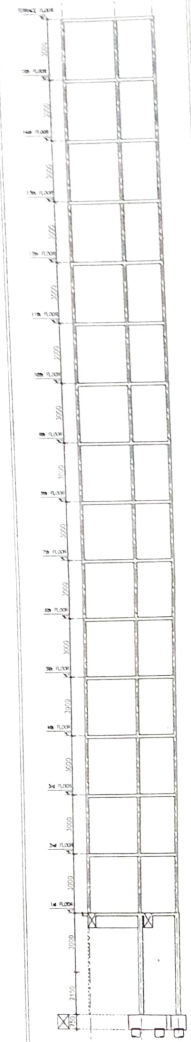
CONTRACTOR: V.SATHYAMOORTHY & CO

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST

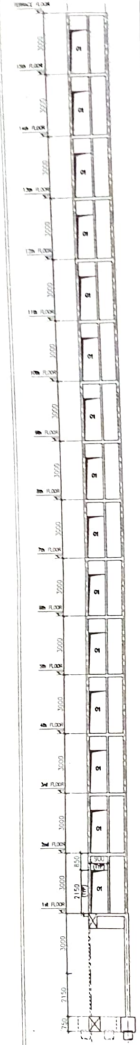
3 ELEVATION OF R.C. WALL



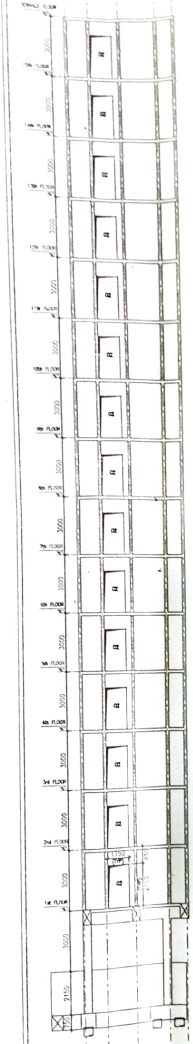
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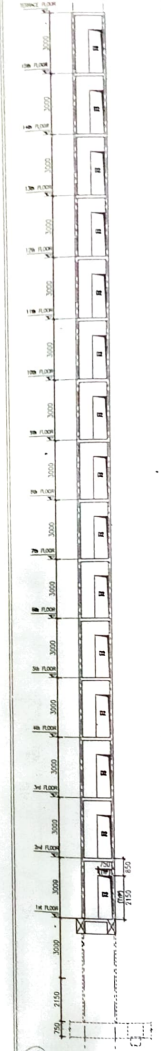
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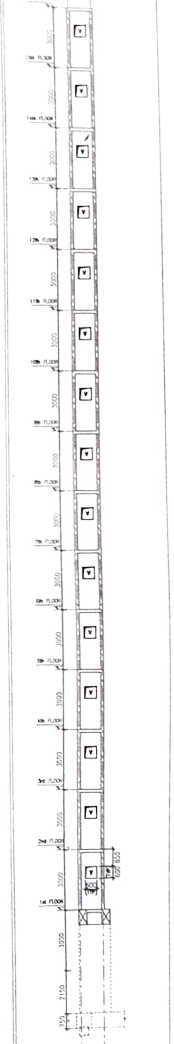
ELEVATION OF WALL -W21



ELEVATION OF WALL -W22



ELEVATION OF WALL -W23



ELEVATION OF WALL -W24

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
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NO	DATE	REVISION	CHECKED	APPROVED
A	18.09.18	"GOOD FOR CONSTRUCTION"		
B	18.03.19	GENERALLY REVISED		

Structural Consultant
Vignesh Consulting Engineers
"Vel Amrutha Towers"
15/2, Nallana Mudali Street,
Royapettah, Chennai-14.

ARCHITECTS: STUDIO MADRAS ARCHITECTS
H-304,3rd STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

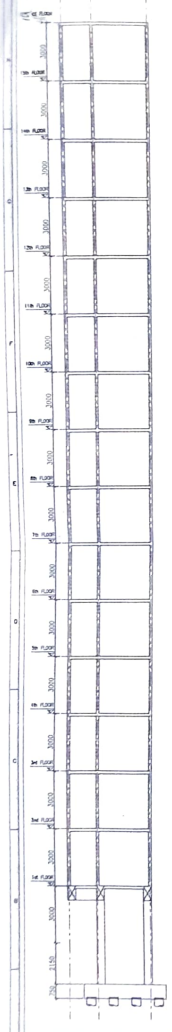
CONTRACTOR: M/s V SATHYAMOORTHY & CO

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARUNA NAGAR, THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

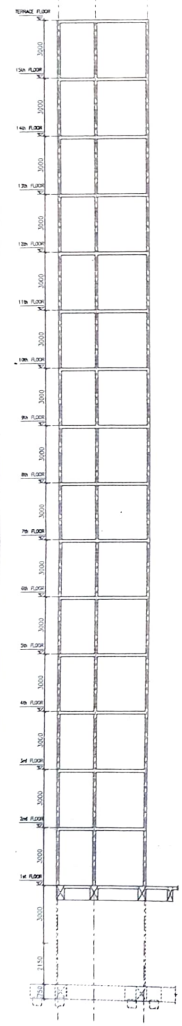
ELEVATION OF RC WALL

P.K. CHANDRAN M.E(STRUCT)

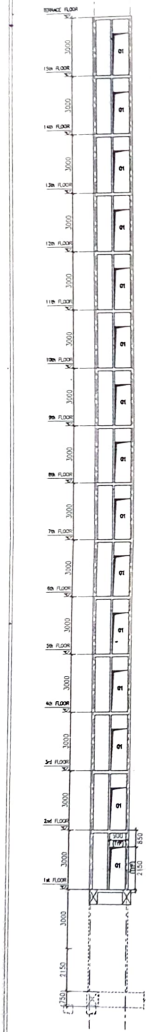
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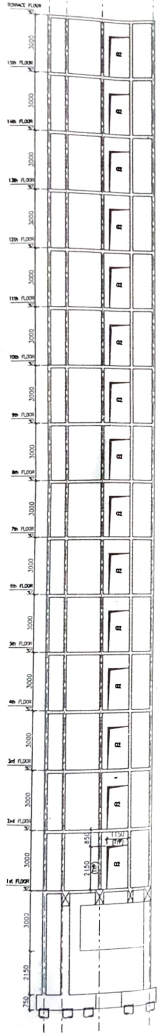
ELEVATION OF WALL -W25



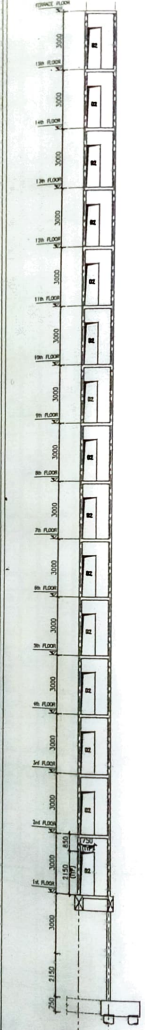
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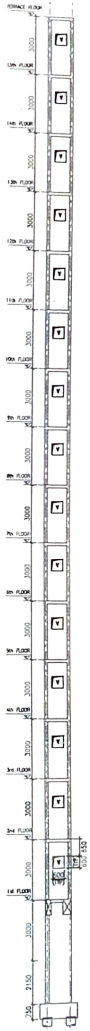
ELEVATION OF WALL -W27



ELEVATION OF WALL -W28



ELEVATION OF WALL -W29



ELEVATION OF WALL -W30

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
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3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
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   FOR OUTER RC WALL OUTER FACE COVER 40mm
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DATE	NO	REVISION	CHECKED	APPROVED
16.05.19	B	GENERALLY REVISED		
19.09.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant
Vignesh
Consulting Engineers
" Vel Amrutha Towers "
15/3 , Nallana Mudali Street,
Royapettah, Chennai-14
Ph 28130835
P.K.CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS
K-2043, 6th STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

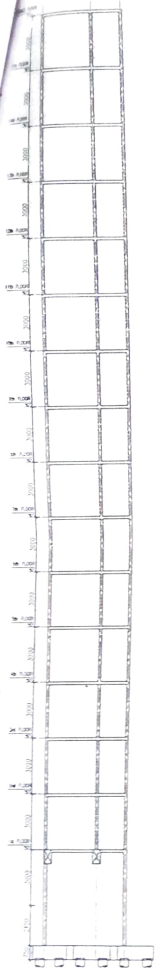
CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

CONTRACTOR: V.SATHYAMOORTHY & CO

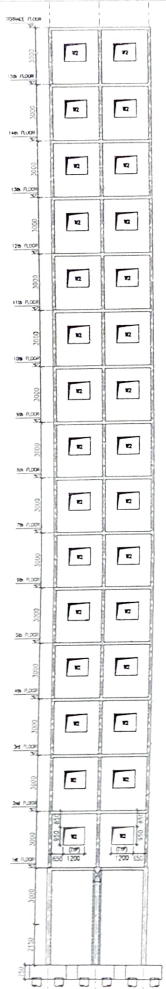
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Designed	MK	
Drawn	RAMPRASATH.G	16.05.19
Scale		
Drawing No	Rev
TN-SBC-KDN-S-NO-16	B

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE AMBATTUR TALUK, THIRUVALLUR DIST.

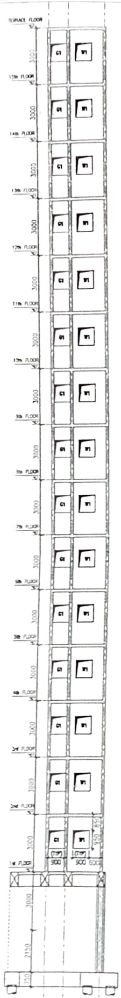
ELEVATION OF R.C WALL



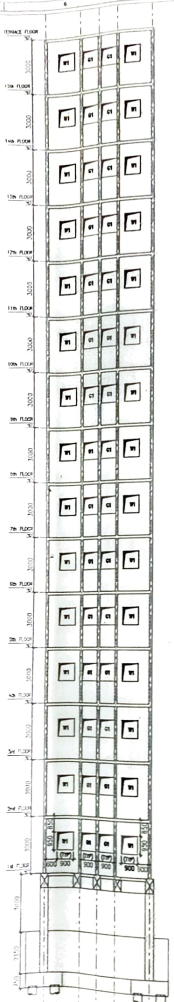
ELEVATION OF WALL -W31



ELEVATION OF WALL -W32



ELEVATION OF WALL -W33



ELEVATION OF WALL -W34

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
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5. LAP LENGTH SHALL BE 40 TIMES DIA OF BAR AND SHALL BE KEPT STAGGERED

DATE	NO	REVISION	CHECKED	APPROVED
18.05.19	B	GENERALLY REVISED		
19.09.18	A	"ISSUED FOR CONSTRUCTION"		

Structural Consultant
Vignesh
Consulting Engineers
"Vel Amruthu Towers"
15/7, Nallana Mudali Street,
Royapettah, Chennai-14
Ph : 28130825
P.K.CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS
4-204,3, 3rd STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

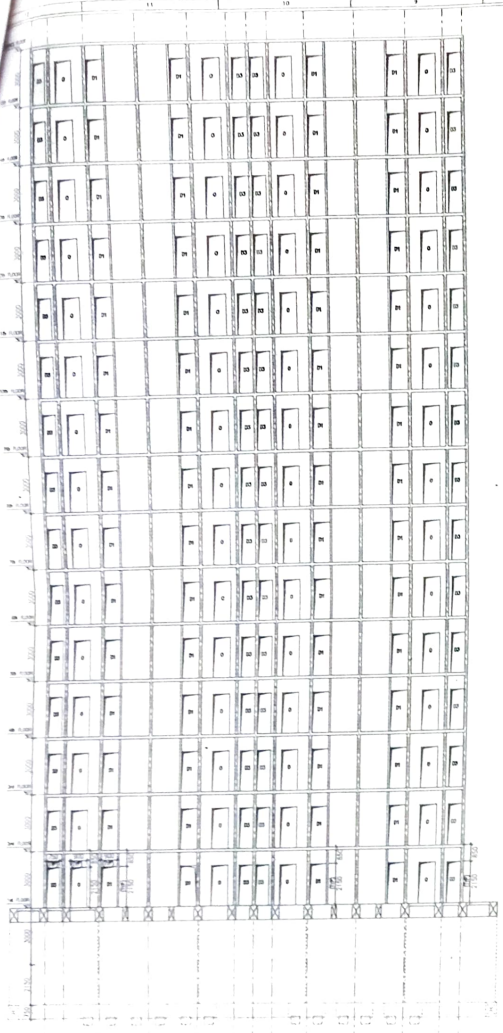
CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

CONTRACTOR: M/s V.SATHYAMOORTHY & CO

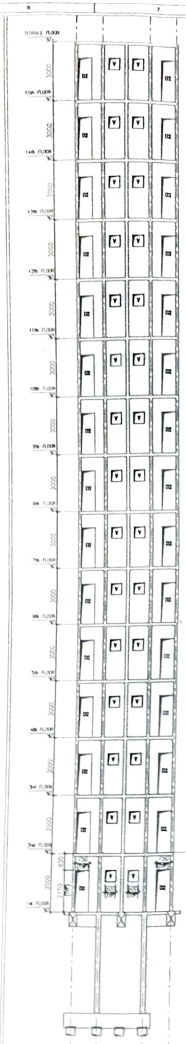
PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARUL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

3 ELEVATION OF R.C WALL

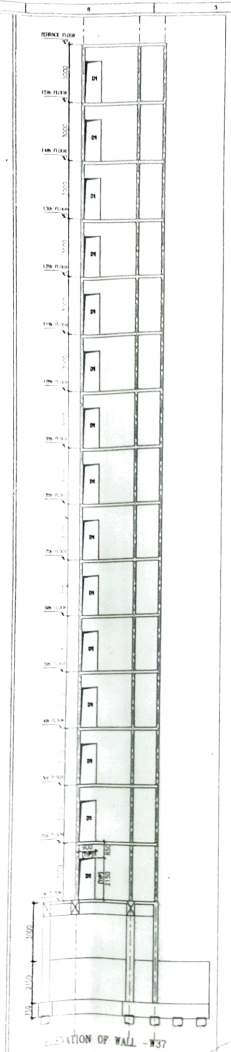
	NAME	DATE
Designed	KCS	
Drawn		
Scale		
Drawing No. SM-SMC-WDV-S-NO-13		Rev. B



ELEVATION OF WALL -W35



ELEVATION OF WALL -W36



ELEVATION OF WALL -W37

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
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DATE	NO	REVISION	CHECKED	APPROVED
16.05.19	B	GENERALLY REVISED		
10.04.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant: Vignesh, Consulting Engineers — "Vel Amrutha Towers", 15/7, Nallana Mudali Street, Royapettah, Chennai-14. Ph : 28130825 — P.K.CHANDRAN M.E(STRUCT.)

ARCHITECTS: STUDIO MADRAS ARCHITECTS — 41, 80 FEET, 7th MAIN ROAD, ANNA NAGAR, CHENNAI - 600040

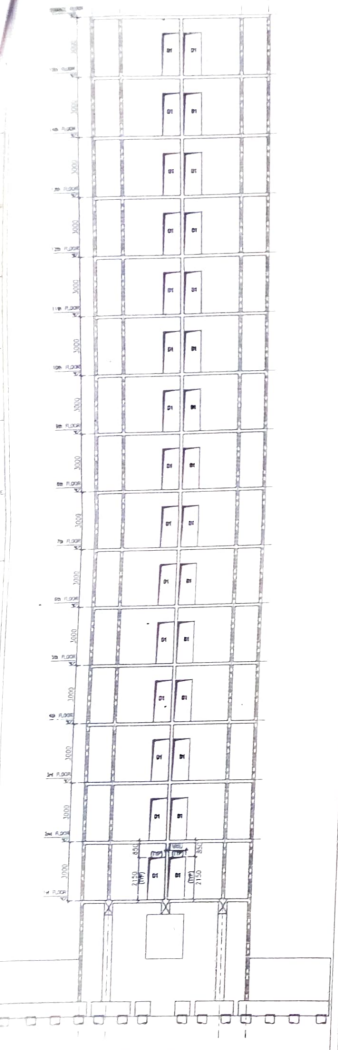
CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

CONTRACTOR: V.SATHYAMOORTHY & CO

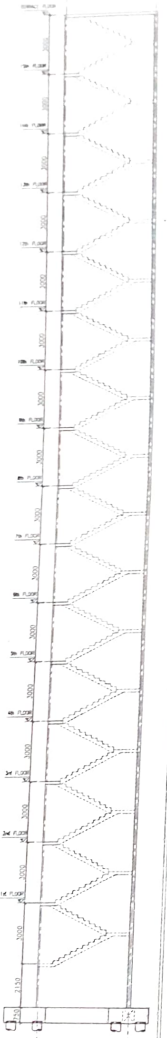
PROJECT: CONSTRUCTION OF 320 TENEMENTS AT KARUR NAGAR AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

	NAME	DATE
Designed	VCB	
Drawn	SAKTHIGANESH	08.05.19
Scale		
Drawing No: TNH-SMC-RDY-ELNO.-19		Rev: B

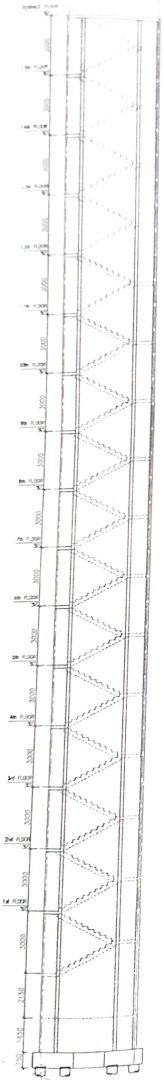
ELEVATION OF RC WALL



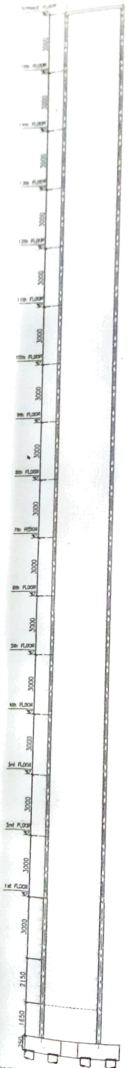
ELEVATION OF WALL -W38



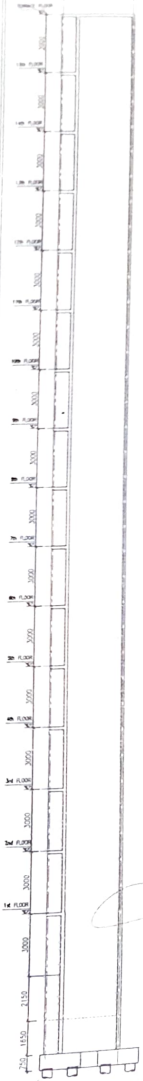
ELEVATION OF WALL -W39



ELEVATION OF WALL -W40



ELEVATION OF WALL -W41



ELEVATION OF WALL -W42

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
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3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS
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   FOR OUTER RC WALL OUTER FACE COVER 40mm
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DATE	NO	REVISION	CHECKED	APPROVED
16.05.19	B	GENERALLY REVISED		
19.09.15	A	"ISSUE FOR CONSTRUCTION"		

Structural Consultant
Vignesh
Consulting Engineers
"Vel Amrutha Towers"
15/7, Mallana Madali Street,
Royapettah, Chennai-14
P.K.CHANDRAN M.E(STRUCT.)

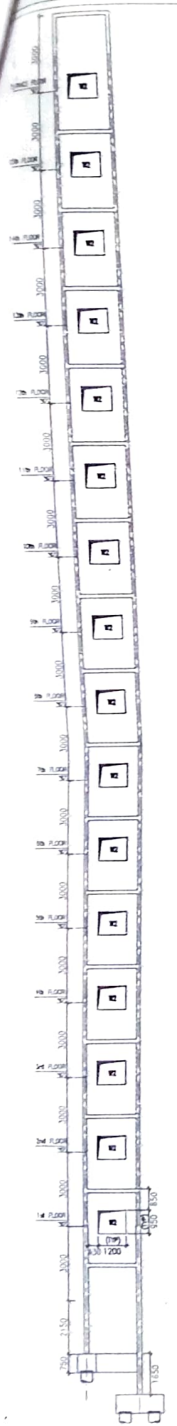
ARCHITECTS: STUDIO MADRAS ARCHITECTS
H-2043, 5th STREET, 10th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

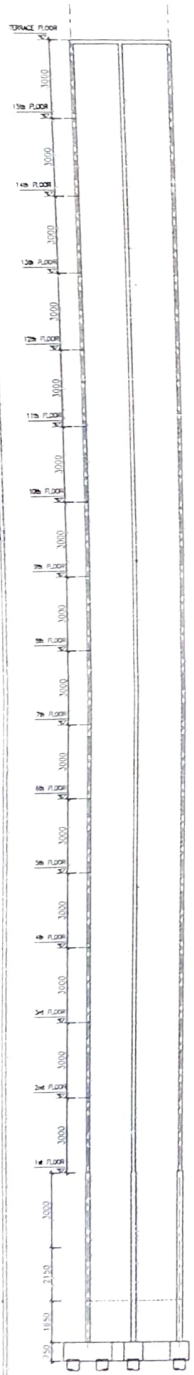
CONTRACTOR: V SATHYAMOORTHY & CO

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST

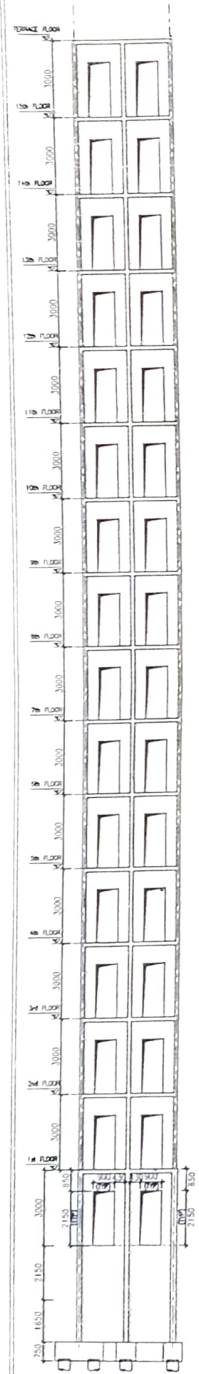
ELEVATION OF R.C WALL



ELEVATION OF WALL -W43



ELEVATION OF WALL -W44



ELEVATION OF WALL -W45

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   BEAM -30mm, SLAB -20mm, RC WALL -25mm
   FOR OUTER RC WALL OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 40 TIMES DIA OF BAR AND SHALL BE KEPT STAGGERED

DATE	NO	REVISION	CHECKED	APPROVED
18.03.19	B	GENERALLY REVISED		
19.09.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant
Vignesh
Consulting Engineers
" Vel Amruthe Towers "
15/7 , Nallana Mudali Street,
Royapettah, Chennai-14
Ph: 28136805

P.K.CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS
4-304,3, 5th STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

	NAME	DATE
Designed	VCE	
Drawn	RAJU KAYALU	18.09.18
Scale		

CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

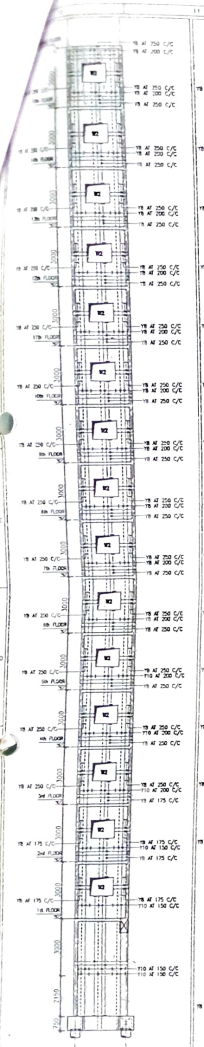
CONTRACTOR: V SATHYAMOORTHY & CO

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

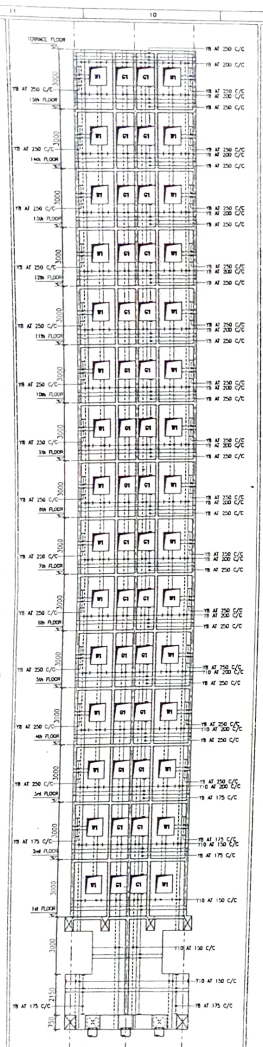
ELEVATION OF R.C WALL

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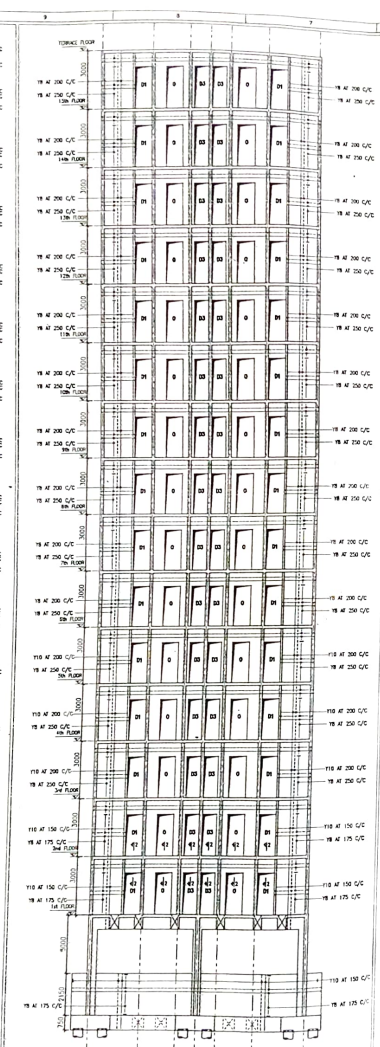
Rev: B



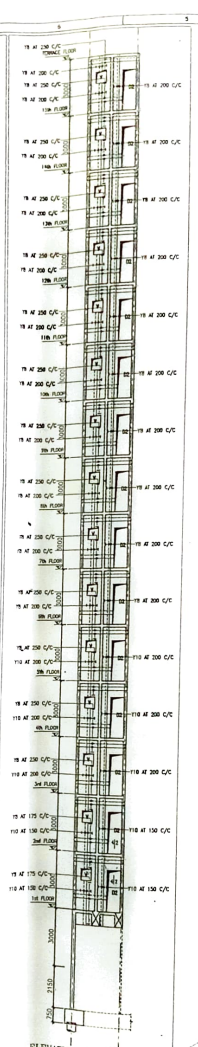
ELEVATION OF WALL -W1



ELEVATION OF WALL -W2



ELEVATION OF WALL -W3



ELEVATION OF WALL -W4

NOTES:

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   FOR OUTER RC WALL, OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

DATE	NO	REVISION	CHECKED	APPROVED
19.09.18	A	"GOOD FOR CONSTRUCTION"		
18.03.19	B	GENERALLY REVISED		

Structural Consultant
Vignesh
Consulting Engineers
" Val Amrutha Towers "
15/7 , Nallana Mudali Street,
Royapettah, Chennai-14
Ph 28130825

P.K.CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS
H-2043, 5th STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

CONTRACTOR: V.SATHYAMOORTHY & CO

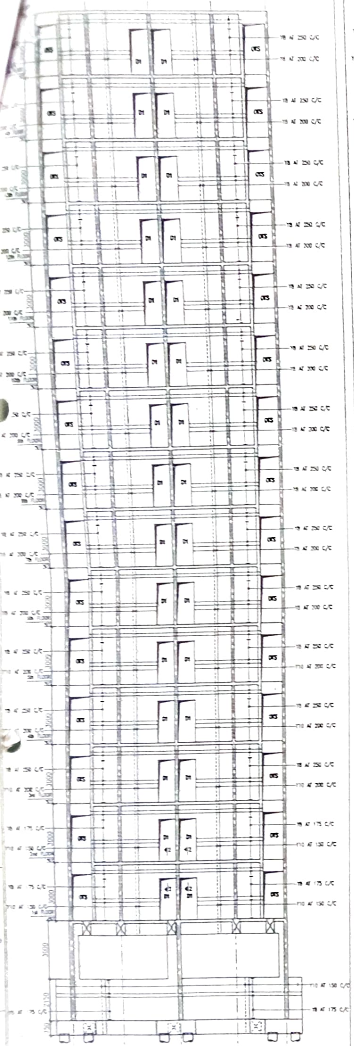
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Designed	VCS	
Drawn	RAJESH AYYALU	13.06.19
Scale		

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST

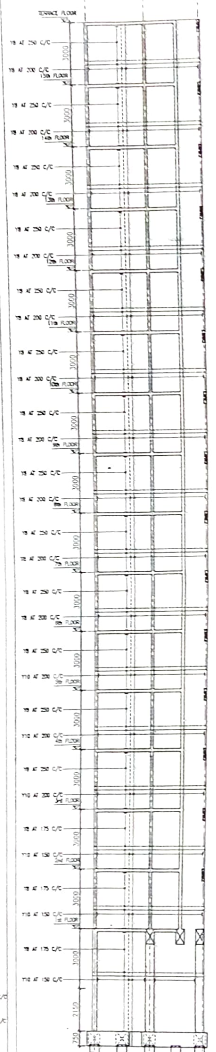
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Sheet 13

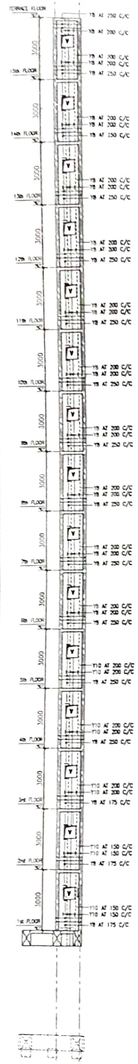
3 RC WALL REINFORCEMENT DETAILS



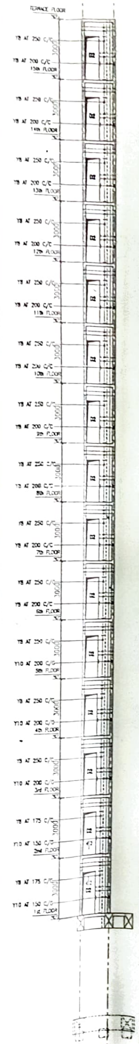
ELEVATION OF WALL -W5



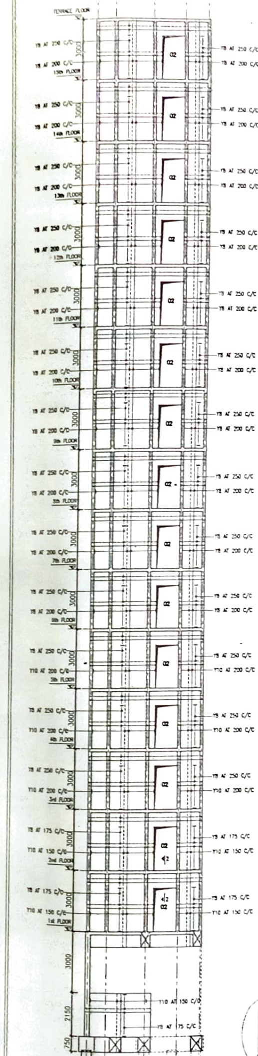
ELEVATION OF WALL -W6



ELEVATION OF WALL -W7



ELEVATION OF WALL -W8



ELEVATION OF WALL -W9

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
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4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

DATE	NO	REVISION	CHECKED	APPROVED
16.05.19	B	GENERALLY REVISED		
19.09.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant
Vignesh Consulting Engineers
"Vel Amrutha Towers"
15/7, Nallana Mudali Street, Royapettah, Chennai-14
Ph 28130825
P.K.CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS
H-2043, 5th STREET, 12th MAIN ROAD, ANNA NAGAR, CHENNAI - 600040

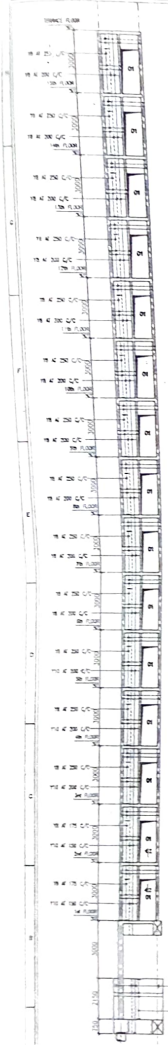
CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

CONTRACTOR: V.SATHYAMOORTHY & CO

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

R.C WALL REINFORCEMENT DETAILS

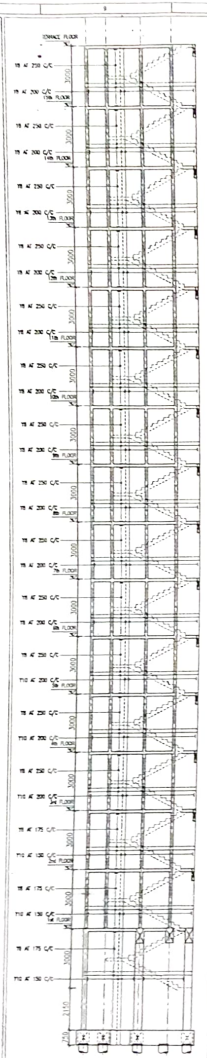
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Designed	PCB	
Drawn	KARPAGAVALLI	19.09.18
Scale		
Drawing No	SM-SAC-KN-S.NO-22	Rev B



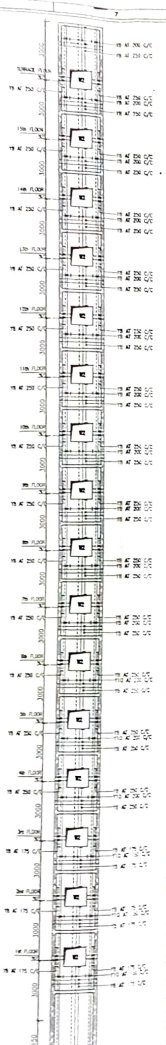
ELEVATION OF WALL -W10



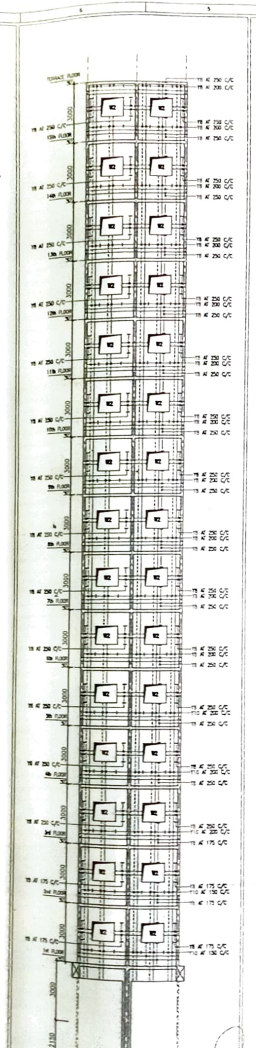
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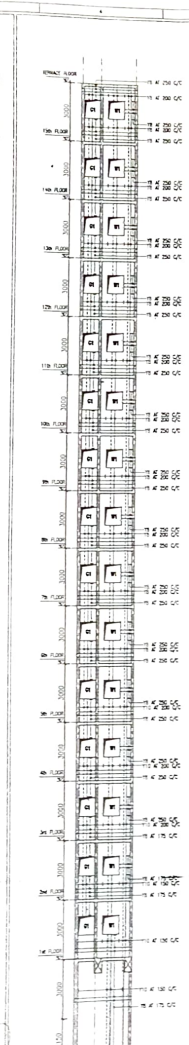
ELEVATION OF WALL -W12



ELEVATION OF WALL -W13



ELEVATION OF WALL -W14



ELEVATION OF WALL -W15

NOTES:

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6.05.19	B	GENERALLY REVISED		
19.06.18	A	"ISSUE FOR CONSTRUCTION"		
DATE	NO	REVISION	CHECKED	APPROVED

Structural Consultant: V.ORIS — "RAJ Apartments, Towers", 15/7 Rukmani Muthiah Street, Royapettah, Chennai-14. Ph: 28113823 — P.K.CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS — D-2243, 7th STREET, 17th MAIN ROAD, ANNA NAGAR, CHENNAI - 600040.

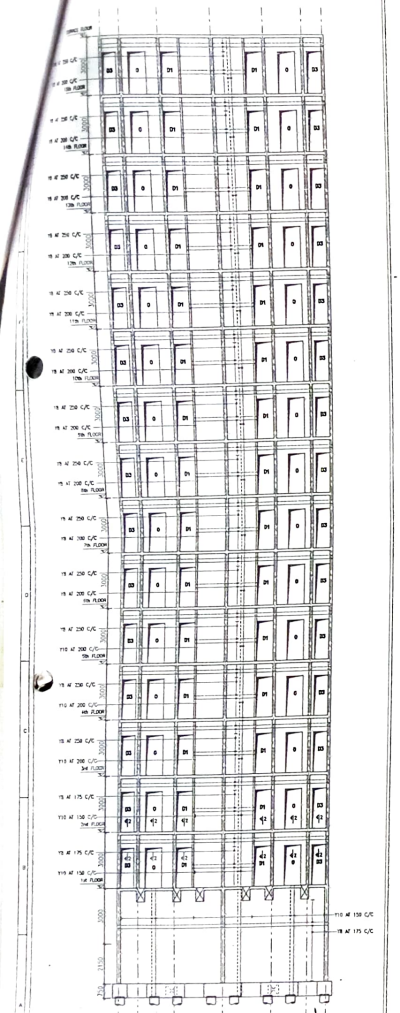
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DRAWN	VCS	
CHECKED		
APPROVED		

CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

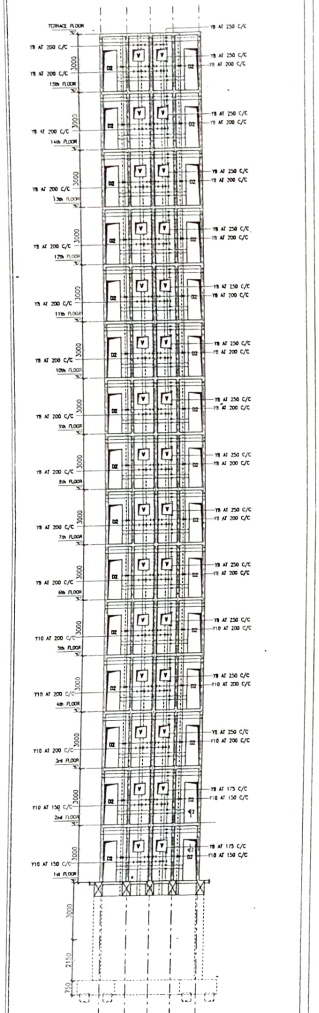
CONTRACTOR: V.SATHYAMOORTHY & CO

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARIOLI NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK.

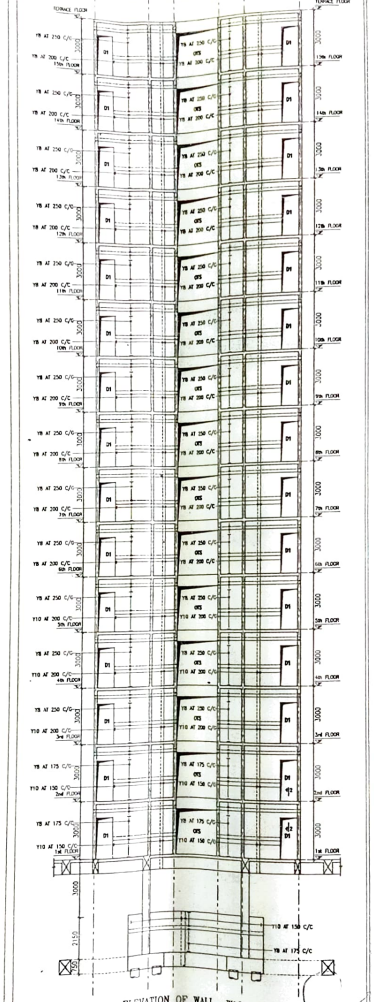
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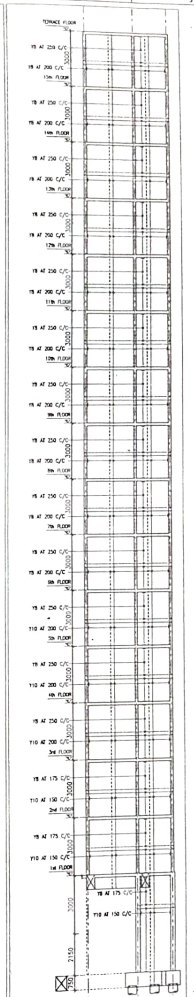
ELEVATION OF WALL -W16



ELEVATION OF WALL -W17&W18



ELEVATION OF WALL -W19



ELEVATION OF WALL -W20

NOTES:
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DATE	NO	REVISION	CHECKED	APPROVED
16.05.19	B	GENERALLY REVISED		
15.08.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant: Vignesh
Consulting Engineers
" Vel Amrutha Towers "
15/7 , Nallana Mudali Street,
Royapettah, Chennai-14
P.K.CHANDRAN M.E(STRUCT.)
Ph : 28130825

ARCHITECTS: STUDIO MADRAS ARCHITECTS
H-3543, 5th STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

	NAME	DATE
Designed	YCE	
Drawn	RAMPRASAD.V.ALLI	16.08.18
Scale		
Drawing No.	SM-SARC-WDR-S-340-24	Rev. B

CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

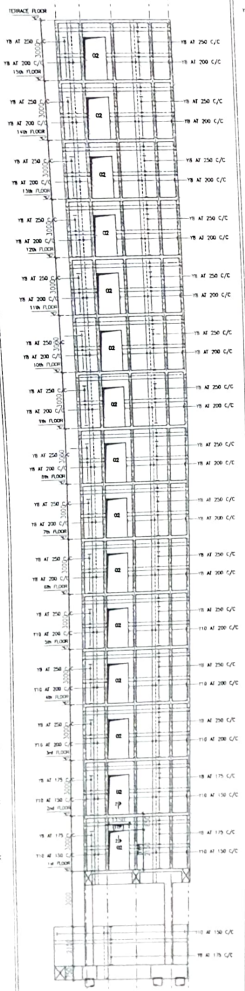
CONTRACTOR: V.SATHYAMOORTHY & CO

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST

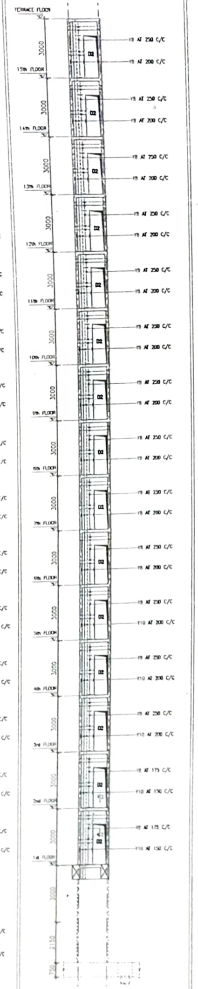
3 RC WALL REINFORCEMENT DETAILS



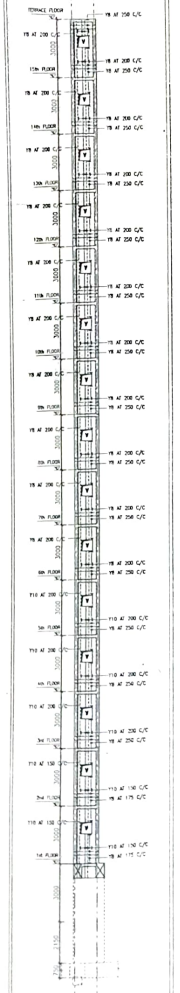
ELEVATION OF WALL - W21



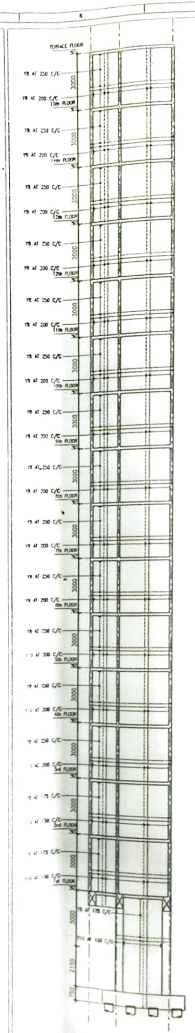
ELEVATION OF WALL - W22



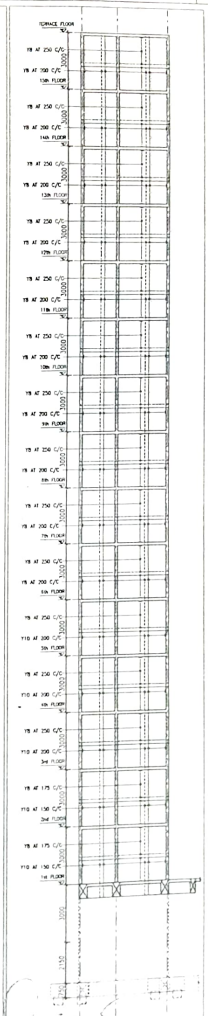
ELEVATION OF WALL - W23



ELEVATION OF WALL - W24



ELEVATION OF WALL - W25



ELEVATION OF WALL - W26

NOTES:
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DATE	NO	REVISION	CHECKED	APPROVED
18.05.19	B	GENERALLY REVISED		
13.09.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant
Vignesh
Consulting Engineers
"Vel Amrutha Towers"
15/2, Nellore Mudali Street,
Royapettah, Chennai-14

ARCHITECTS: STUDIO MADRAS ARCHITECTS
+ 2043, 10th STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

CLIENT TAMIL NADU SLUM CLEARANCE BOARD

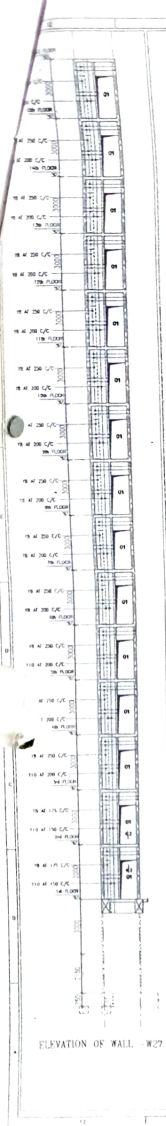
CONTRACTOR V.SATHYAMOORTHY & CO

PROJECT CONSTRUCTION OF 1300 TENEMENTS AT ARIGE NAGAR AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

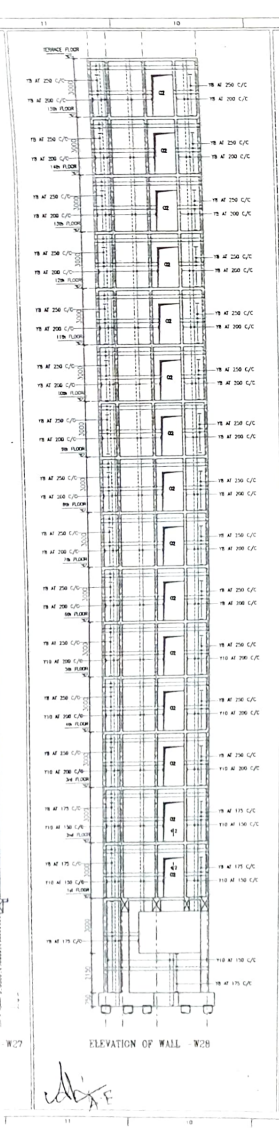
SUB: FULL SCHEDULE OF DETAILS

P.K.CHANDRAN M.E(STRUCT)

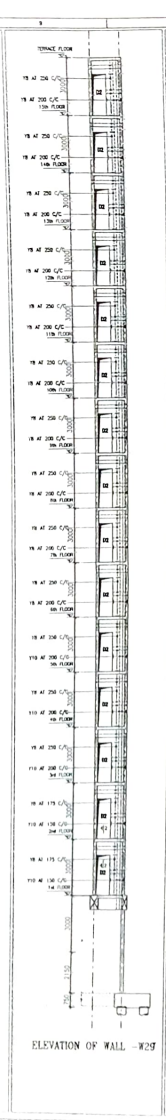
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Designed	PCB	
Drawn	RAMYA&VASU	18.05.19
Scale		
Drawing No	SM-SAC-404-3.40-25	Rev 0



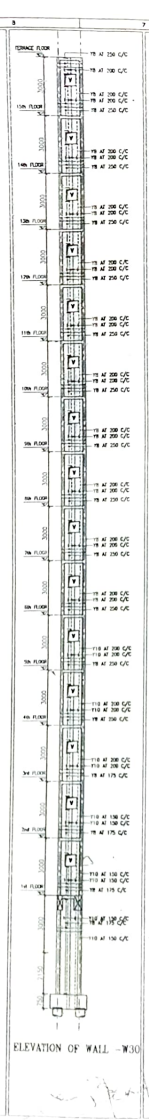
ELEVATION OF WALL -W27



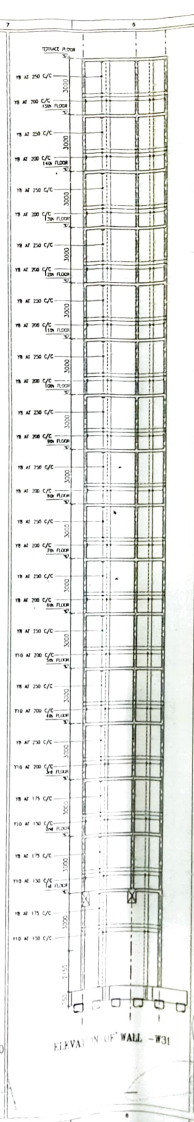
ELEVATION OF WALL -W28



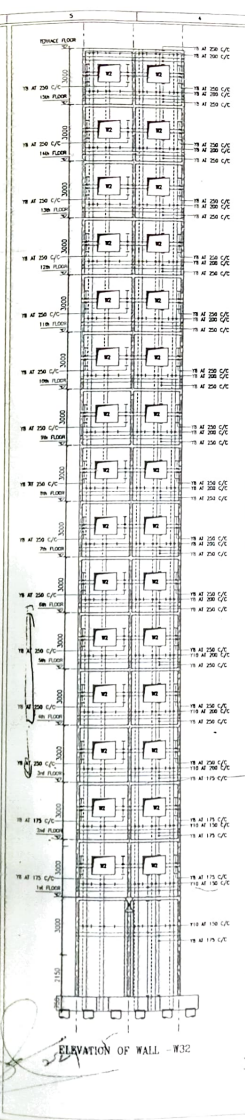
ELEVATION OF WALL -W29



ELEVATION OF WALL -W30



ELEVATION OF WALL -W31



ELEVATION OF WALL -W32

NOTES:

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   FOR OUTER RC WALL OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS 1786 - 2008
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DATE	NO	REVISION	CHECKED	APPROVED
15.03.19	B	GENERALLY REVISED		
13.09.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant
Vignesh
Consulting Engineers
"Vel Amrutha Towers"
15/7, Nallana Mudali Street,
Royapettah, Chennai-14.

P.K.CHANDRAN M.E(STRUCT)

ARCHITECTS STUDIO MADRAS ARCHITECTS
No. 20A/3, 5th STREET, 17th MAIN ROAD, ANNA NAGAR, CHENNAI - 600040

CLIENT TAMIL NADU SEUM CLEARANCE BOARD

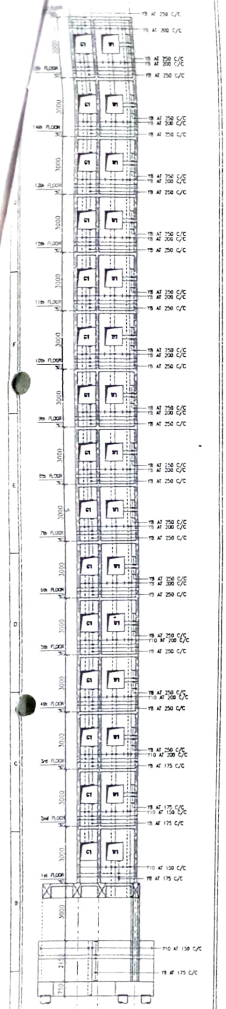
CONTRACTOR V SATHYAMOORTHY & CO

PROJECT CONSTRUCTION OF 1200 TENEMENTS AT KARAI NAGAR AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

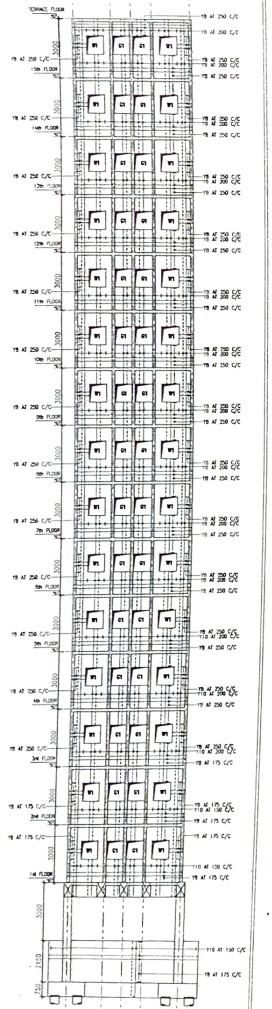
	NAME	DATE
Designed	MDS	
Drawn	RAJESHKANNAN	15.03.19
Scale		

Drawing No. 136-SBG-WA-SLND-25 Rev. B

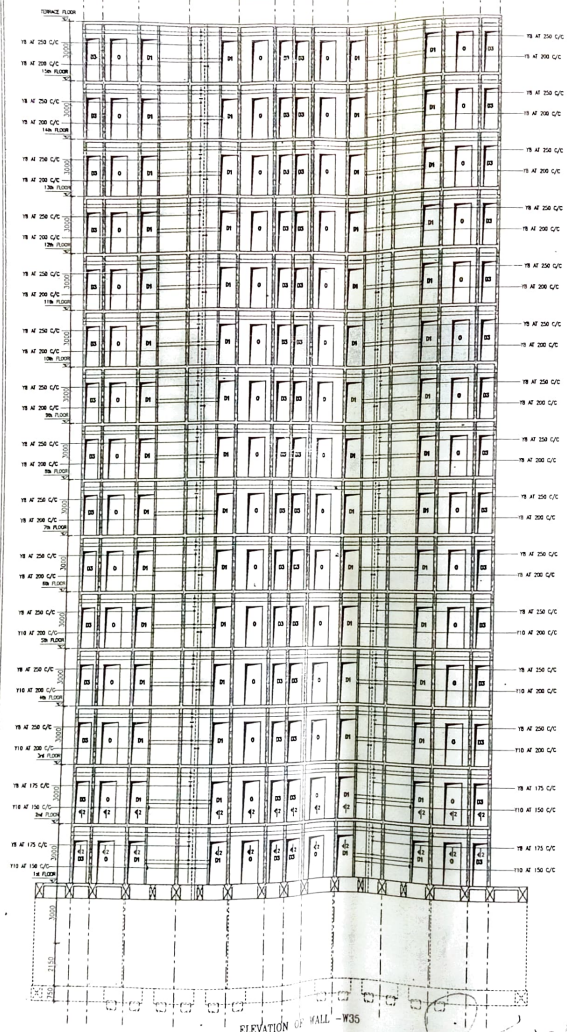
SHEAR WALL REINFORCEMENT DETAILS



ELEVATION OF WALL -W33



ELEVATION OF WALL -W34



ELEVATION OF WALL -W35

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   BEAM -30mm, SLAB -20mm, RC WALL -25mm
   FOR OUTER RC WALL OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS.1786 -2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

DATE	NO	REVISION	CHECKED	APPROVED
19.09.18	A	"GOOD FOR CONSTRUCTION"		
16.05.19	B	GENERALLY REVISED		

Structural Consultant
Vignesh
Consulting Engineers
" Val Amrutha Towers "
15/7 , Nallana Mudali Street,
Royapettah, Chennai-14.
Ph : 28130825
P.K.CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS
D-2043, 5th STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

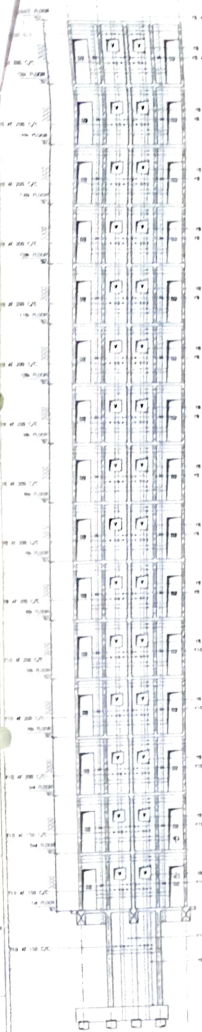
	NAME	DATE
Designed	TCB	
Drawn	RAMPRAKASH	18.06.18
Scale		
Drawing No	SM-SAC-KN-1.NO-27	Rev. B

CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

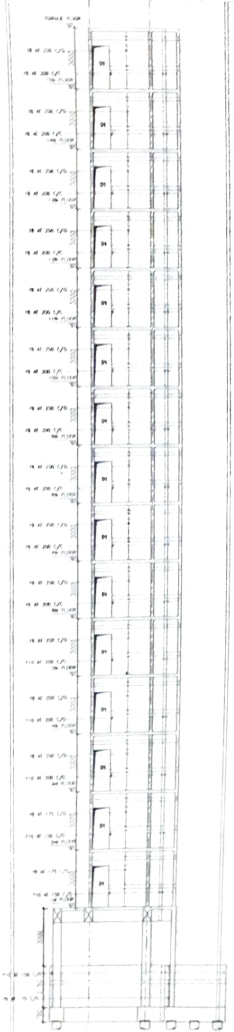
CONTRACTOR: V.SATHYAMOORTHY & CO

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

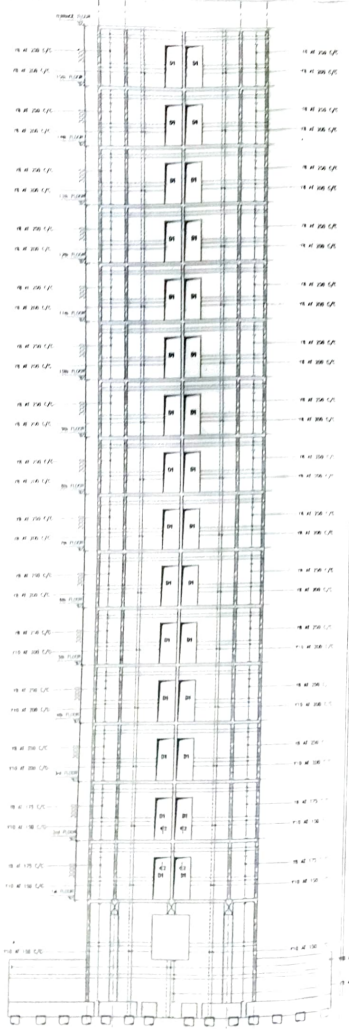
RCC WALL REINFORCEMENT DETAILS



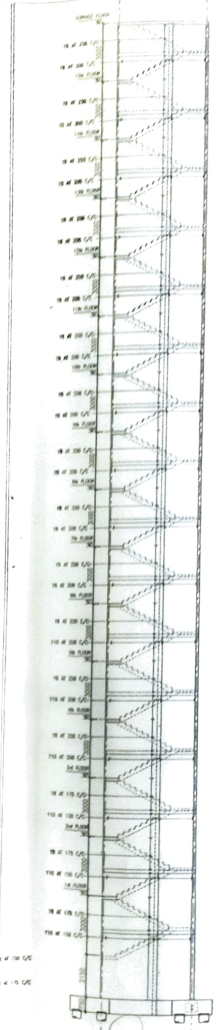
ELEVATION OF WALL - W36



ELEVATION OF WALL - W37



ELEVATION OF WALL - W38



ELEVATION OF WALL - W39

NOTES:
1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS
   BEAM - 30mm, SLAB - 20mm, RC WALL - 25mm
   FOR OUTER RC WALL, OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fy 500) CONFORMING TO IS:1786 - 2008
5. LAP LENGTH SHALL BE 40 TIMES DIA OF BAR AND SHALL BE KEPT STAGGERED

15.05.18	B	GENERALLY REVISED		
9.08.18	A	"GOOD FOR CONSTRUCTION"		
DATE	NO	REVISION	CHECKED	APPROVED

Structural Consultant
Vignesh
Consulting Engineers
"Vel Amrutha Towers"
15/7, Nallana Mudali Street,
Royapettah, Chennai-14.

P.K.CHANDRAN M.E(STRUCT)

	NAME	DATE
Designed	M.S	
Drawn	V.SATHYAMOORTHY	06.08.18
Scale		

ARCHITECTS: STUDIO MADRAS ARCHITECTS
D-20(A), 1st STREET, 12TH MAIN ROAD,
ANNA NAGAR (EAST), CHENNAI - 600102.

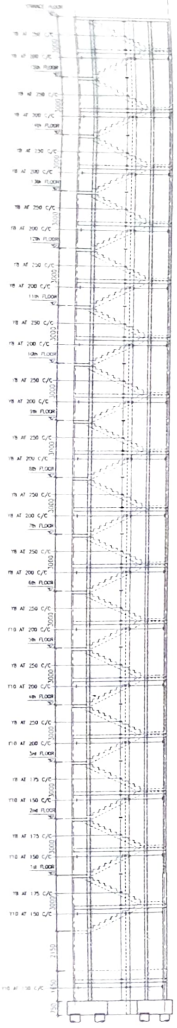
CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

CONTRACTOR: M/s V.SATHYAMOORTHY & CO

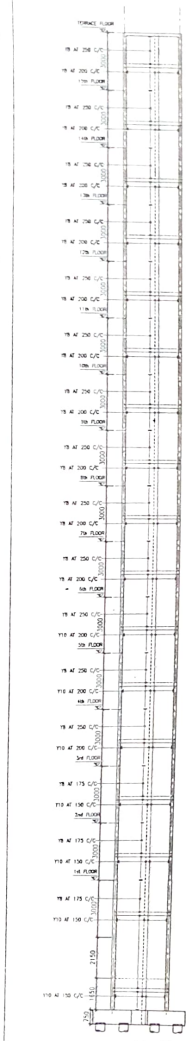
PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KAMARAJ NAGAR, THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

Drawing No: SM-SMC-MIX-SLAB-35
Rev: B

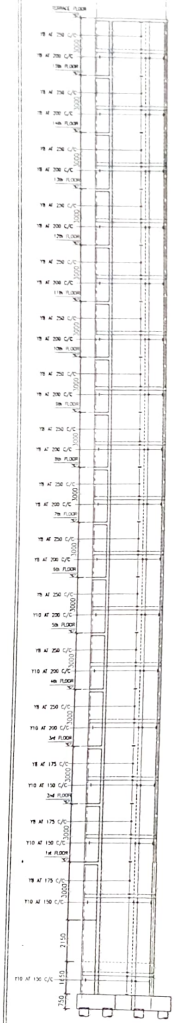
3 D RC WALL 3D VIEW WITH REINFORCEMENT DETAILS



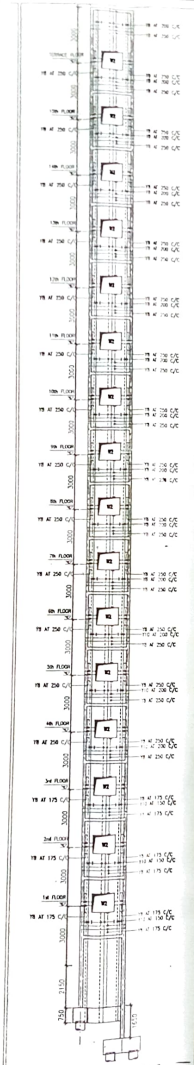
ELEVATION OF WALL -W40



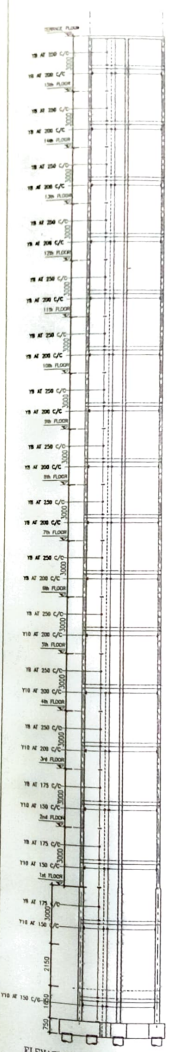
ELEVATION OF WALL -W41



ELEVATION OF WALL -W42



ELEVATION OF WALL -W43



ELEVATION OF WALL -W44

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   BEAM –30mm, SLAB –20mm, RC WALL –25mm
   FOR OUTER RC WALL, OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 –2008
5. LAP LENGTH SHALL BE 40 TIMES DIA OF BAR AND SHALL BE KEPT STAGGERED

DATE	NO	REVISION	CHECKED	APPROVED
18.03.19	B	GENERALLY REVISED		
19.06.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant
Vignesh
Consulting Engineers
" Vel Amrutha Towers "
15/7 , Nations Mudalli Street,
Royapettah, Channai-14.
Ph. 28130825

P.K CHANDRAN M.E(STRUCT)

ARCHITECTS: STUDIO MADRAS ARCHITECTS
H-204/2, 5th STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

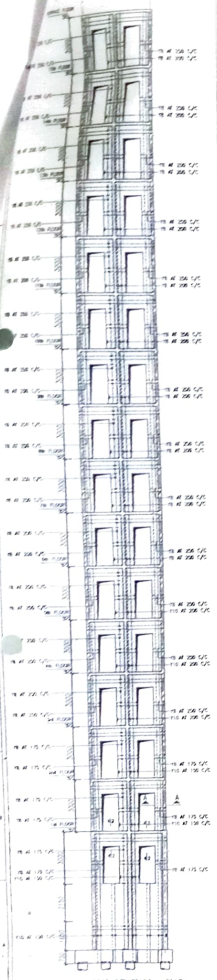
CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

CONTRACTOR: V SATHYAMOORTHY & CO

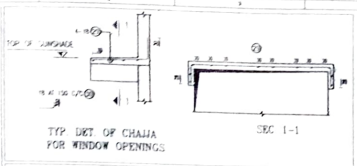
PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARUNANIDHI NAGAR AT THIRUVOTTIYUR VILLAGE AMBATTUR TALUK, THIRUVALLUR DIST

	NAME	DATE
Designed	VCE	
Drawn	KARTHICK RAJA	19.06.18
Scale		
Drawing No.		Rev.

3 | R.C WALL REINFORCEMENT DETAILS

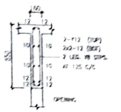


ELEVATION OF WALL -W45

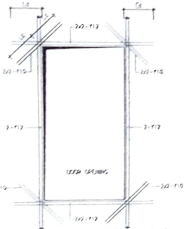


TYP DET OF CHAJJA FOR WINDOW OPENINGS

SEC 1-1

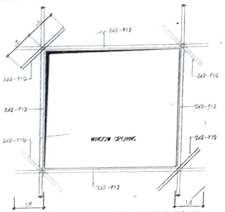


SEC 2-2



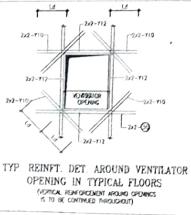
TYP. REINFT. DET. AROUND DOOR OPENING IN TYPICAL FLOORS

(VERTICAL REINFORCEMENT AROUND OPENINGS IS TO BE CONTINUED THROUGHOUT)



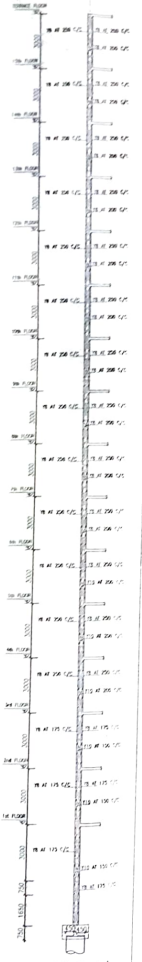
TYP. REINFT. DET. AROUND WINDOW-W1 OPENING IN TYPICAL FLOORS

(VERTICAL REINFORCEMENT AROUND OPENINGS IS TO BE CONTINUED THROUGHOUT)



TYP. REINFT. DET. AROUND VENTILATOR OPENING IN TYPICAL FLOORS

(VERTICAL REINFORCEMENT AROUND OPENINGS IS TO BE CONTINUED THROUGHOUT)



SECTION ON A-A

C.S OF WALL -W45

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M25
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   BEAM -30mm, SLAB -20mm, RC WALL -25mm
   FOR OUTER RC WALL OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

DATE	NO	REVISION	CHECKED	APPROVED
16.08.19	B	GENERALLY REVISED		
13.08.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant: " Val Anrudha Towers "
Vignesh
Consulting Engineers
15/7 , Nallana Mudali Street,
Royapettah, Chennai-14.
Ph : 28130825

ARCHITECTS: STUDIO MADRAS ARCHITECTS
H-204.3, 3rd STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

P.K.CHANDRAN M.E(STRUCT)

	NAME	DATE
Designed	MCB	
Drawn	RAMPRASATH.U	13.08.18
Scale		
Drawing No.		Rev.

CLIENT: TAMIL NADU SLUM CLEARANCE BOARD

CONTRACTOR: V.SATHYAMOORTHY & CO

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

STRUCTURAL REINFORCEMENT DETAILS

Office of the Chief Engineer,
Tamil Nadu Slum Clearance Board,
5, Kamarajar Salai, Chennai -5.

Memo.No. SCB/SQC/5564/2019 Dated: 02.04.2019

MEMO

Sub: TNSCB – Reconstruction North Division - Construction of 1200 multi storied EWS tenements (Stilt+15) with minimum 409 Sq. ft of plinth area / unit using alternative technology at Kargil Nagar scheme, Thiruvottiyur in Chennai – Structural design submitted for approval – Approval communicated – Reg.

Ref: 1. Executive Engineer / Reconstruction North Division Lr. No. 102/AE(P)/Rc.Dn/TNSCB/2016, Dt: 05.10.2018 enclosing 05 Nos of structural drawing for the foundation drawing prepared by Vignesh Consulting Engineers and vetted by Dr.K.P.Jaya, Anna University, dt : 15.12.2018, Drg No:SM-S&C-KN-s.No-1 to 4 & 1a, Rev No:A, (5 Nos).

2. Soil Investigation done by IIT, Madras, dated: 22.01.2018.

The structural drawings for the foundation for the Construction of 1200 nos of tenements (S+15) at Kargil Nagar scheme vetted by Dr.K.P.Jaya Anna University have been submitted for approval. The analysis of the structure has been done at this office using E-Tabs Software. The position, orientation, dimension and connectivity of columns, wall and beams are considered as done by the structural consultant. As there were some modifications in pile cap layout, plinth beam layout at pile cap level and wall thickness & wall layout, the revised drawings are approved with following modification.

S. No	Description	Provision made in VIGNESH Consulting Engineers, Chennai	Recommended Modifications
1	General		
	Pile Cap	**i) Pile Cap Depth:** a) Pile cap depth for PC1, PC2, PC2a, PC2b & PC5 is 750 mm. b) Pile cap depth for PC-3, PC-3a, PC 4, PC-5a, PC-8 & PC-8a is 900mm.	Provide Pile cap depth for PC1, PC2, PC2a, PC2b & PC5 as 900mm.
2	**DWG NO: SM-S&C-KN-S.NO-1 ., Rev : A, dt: 19.09.18 (vetted by Dr.K.P.Jaya, Anna University, dt: 05.10.18)**		
	Layout & RC Details of Pile Foundation	Layout & RC Details of Pile Foundation	a) Additional piles and its grouping should be as per drawing already issued. b) The top reinforcement should be supported by providing chair rods considering weight of the top mat steel.The suggested spacing of support is **30 times** the dia of the supporting bars using chair having diameter of atleast **12mm.**
3	**DWG NO: SM-S&C-KN-S.NO-2, Rev : A, dt: 19.09.18 (vetted by Dr.K.P.Jaya, Anna University, dt: 05.10.18)**		
	Layout & RC Details of Pile cap	**i) <u>Pile cap depth</u>** Pile cap depth for PC2 & PC5 is 750mm.	Provide Pile cap depth for PC2 & PC5 as 900mm.
		ii) <u>RC Details of Pile Cap PC-2:</u> **a) Pile at grid P33, Z33, P7, Z7 (4 Nos)** Bottom Main reinforcement 2-Y12 + 6-Y16+ 4-Y16	Provide 10-Y16 + 2-Y20.
		b)Pile at grid T16, V24 (2 Nos) Bottom Main reinforcement 2-Y12 + 6-Y16+ 4-Y16	Provide 5-Y20 + 7-Y16.
		c) Pile at grid L29, K10 (2 Nos) Bottom Main reinforcement 2-Y12 + 6-Y16+ 4-Y16	Provide 12-Y16.
		d) Pile at grid N31-P31 (1 Nos) 1) Top Main reinforcement 2-Y12 + 6-Y16+ 4-Y16 2) Bottom Main reinforcement 2-Y12 + 6-Y16+ 4-Y16	Provide 7-Y20 + 5-Y12. Provide 7-Y20 + 5-Y12.

No	Description	Provision made in VIGNESH Consulting Engineers, Chennai	Recommended Modifications
	Layout & RC Details of Pile cap	**e) Pile at grid Z31-Aa31, Z9-Aa9 (2 Nos)** 1) Top Main reinforcement 2-Y12 + 6-Y16+ 4-Y16 2) Bottom Main reinforcement 2-Y12 + 6-Y16+ 4-Y16	Provide 10-Y16 + 2-Y20. Provide 10-Y16 + 2-Y20.
		iii) RC Details of Pile Cap PC-3 & 3a: a) Top reinforcement (Both Direction) 12Y at 125 c/c	Provide 16Y at 150 mm c/c.
		iv) RC Details of Pile Cap PC-4: a) Bottom reinforcement (Both Direction) 16Y at 150 c/c b) Top reinforcement (Both Direction) 12Y at 150 c/c	Provide 16Y at 100 mm c/c. Provide 16Y at 150 mm c/c.
		c)Size of pile cap PC-4 : 2160 x 2050	i) Size of pile cap PC-4 : **2260 X 2050** ii) For four pile cap, the projection of pile cap should be 100mm from the column face.
		v) RC Details of Pile Cap PC-5: **a) Section 5-5** 1) Bottom Main reinforcement 2-Y12 + 4-Y16+ 2-Y16 2) Top Main reinforcement 2-Y12 + 4-Y16+ 2-Y16	Provide 12-Y16. Provide 10-Y16 + 2-Y12.
		b) Section 6-6 1) Bottom Main reinforcement 8-Y16	Provide 8-Y16 + 2-Y12
		vi) RC Details of Pile Cap PC-5a: b) Top reinforcement (Both Direction) 12Y at 125 c/c	Provide 16Y at 150 mm c/c.
		vii) Section 1-1, 2-2, 3-3, 4-4, 5-5, 6-6 & 7-7: The column and pile main reinforcements are not detailed in pile cap section.	The column and pile main reinforcements are extended upto pile cap depth and minimum 300mm length bend should be provided at the end. The first tie of column should start from the bottom of column main reinforcement inside pile cap as given
		viii) RC Details of Pile Cap PC-5b: a) Bottom reinforcement (Both Direction) b) Top reinforcement (Both Direction)	Provide 12Y at 100 mm c/c. Provide 12Y at 100 mm c/c.
4	**DWG NO: SM-S&C-KN-S.NO-3, Rev : A, dt: 19.09.18 (vetted by Dr.K.P.Jaya, Anna University, dt: 05.10.18)**		
	Layout & RC Details of Pile Cap	**i) RC Details of Pile Cap PC-8:** a) Top reinforcement (Both Direction) 12Y at 125 c/c	Provide 16Y at 100 mm c/c.
		ii) RC Details of Pile Cap PC-8a: a) Top reinforcement (Both Direction) 12Y at 125 c/c	Provide 16Y at 125 mm c/c.

S. No	Description	Provision made in VIGNESH Consulting Engineers, Chennai	Recommended Modifications
	Layout & RC Details of Pile Cap	iii) <u>Section 8-8 & 9-9:</u> The column and pile main reinforcements are not detailed in pile cap section.	The column and pile main reinforcements are extended upto pile cap depth and minimum 300mm length bend should be provided at the end. The first tie of column should start from the bottom of column main reinforcement inside pile cap as given for zone 1.
5	**DWG NO: SM-S&C-KN-S.NO-4, Rev : A, dt: 19.09.18 (vetted by Dr.K.P.Jaya, Anna University, dt: 05.10.18)**		
	RC Details of Plinth Beam and Column	**i) RC Details of Plinth Beam and Column**	a)Provide all Plinth beam 600mm x 750mm. b) PCB22, PCB23,PCB24,PCB25 & PB26 are added newly and the corrected drawing is attached . c) Provide shear reinforcement 2Legged-Y10 + 2Legged-Y8 at 150 c/c for all newly added beams PCB22, PCB23, PCB24, PCB25 & PCB26.
		ii) <u>Plinth Beam PCB22:</u> a) Top Reinforcement a) Bottom Reinforcement	Provide 4-Y16 + 2-Y16 + 2-Y12 as top reniforcement. Provide 2-Y12 + 4-Y16 as bottom reniforcement.
		iii) <u>Plinth Beam PCB23:</u> a) Top Reinforcement a) Bottom Reinforcement	Provide 4-Y16 + 2-Y16 + 2-Y12 as top reniforcement. Provide 4-Y16 + 6-Y16 + 2-Y12 as bottom reniforcement.
		iv) <u>Plinth Beam PCB24:</u> a) Top Reinforcement a) Bottom Reinforcement	Provide 4-Y16 + 2-Y12 as top reniforcement. Provide 4-Y16 + 6-Y16 + 2-Y12 as bottom reniforcement.
		v) <u>Plinth Beam PCB25:</u> a) Top Reinforcement a) Bottom Reinforcement	Provide 4-Y16 + 2-Y12 as top reniforcement. Provide 4-Y16 + 2-Y16 + 2-Y12 as bottom reniforcement.
		vi) <u>Plinth Beam PCB26:</u> a) Top Reinforcement a) Bottom Reinforcement	Provide 4-Y16 + 2-Y16 + 2-Y12 as top reniforcement. Provide 8-Y16 as bottom reniforcement.
		vii) <u>Plinth Beam PCB19:</u> a) PCB19 is not detailed	Provide PCB1 reniforcement detail to PCB19.

In this connection, the precautions laid by the Soil and Structural Consultant in the above references should be followed without fail. Also,

1. Ductile detailing as per IS 13920: 2016 should be followed.
2. The quality of water to be used for construction has to be tested as per IS codes and if necessary precautionary measures have to be taken based on the test results.
3. Any change in soil strata observed during execution has to be reported to the higher authorities/ Soil Consultant immediately for review.
4. The testing of materials used for construction, frequency of testing, maintenance of documents at site, engagement of technical personnel etc should be as per the circulars issued from this office.
5. In case of, any clarifications in the issued drawings, the EE is requested to contact the undersigned and get it clarified before execution.

Encl: 1) Pile Layout drawing,
2) Plinth beam layout at pile cap level drawing,
3) Wall layout drawing.

24/1/19

for Chief Engineer

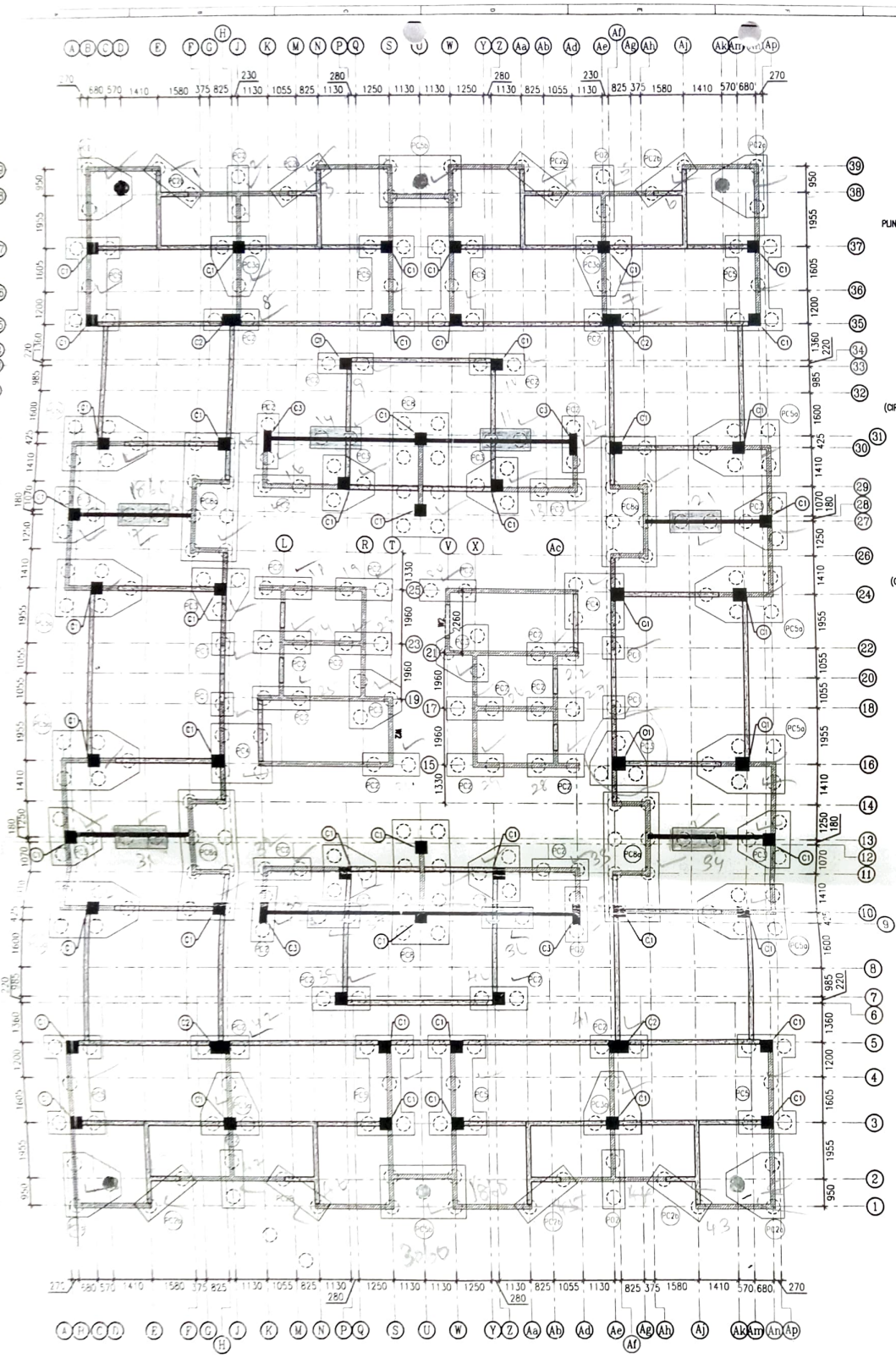
R.V

To

The Executive Engineer,
Reconstruction North Division,
TNSCB (w.e).

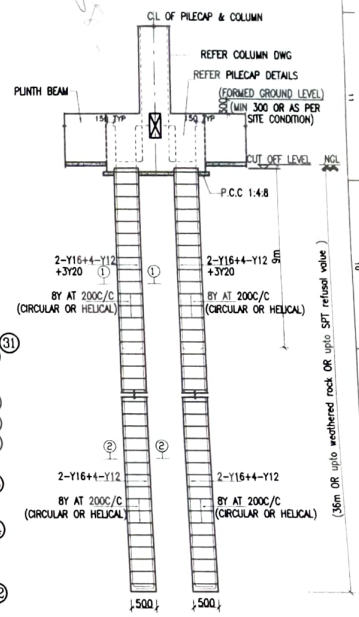
Copy To:

The Superintending Engineer,
Chennai Circle - III / TNSCB.

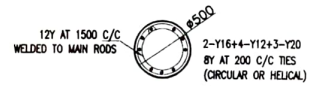


PILE LAYOUT

ALL PILE ARE 500mm
TOTAL NO'S OF PILE 306



SECTION OF PILE
[ø500 TYP]



C.S OF PILE SECTION ON 1-1



C.S OF PILE SECTION ON 2-2

EXECUTIVE ENGINEER
STRUCTURAL AND QUALITY CONTROL CELL
TAMIL NADU SLU... CLEARANCE BOARD
5, KAMARAJAR SALAI, CHENNAI-600 005.

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M30
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   PILECAP BOTTOM -75mm PILE - 50mm
   PILECAP TOP -50mm COLUMN-40mm
   PILECAP SIDE -50mm GRADE BEAM-30mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED
6. LOCATION & ORIENTATION OF THE BUILDING TO BE SUITABLY DECIDED AT SITE.
7. PILE CAPACITY TAKEN AS PER SOIL REPORT 500ø = 120 tons
8. FOUNDATION DESIGNED FOR STILT+15 FLOORS ONLY.

DATE	NO		CHECKED	APPROVED
19.09.18	A	"GOOD FOR CONSTRUCTION"		

ARCHITECTS: STUDIO MADRAS ARCHITECTS
H-2043, 5th STREET, 12th MAIN ROAD
ANNA NAGAR, CHENNAI - 600040

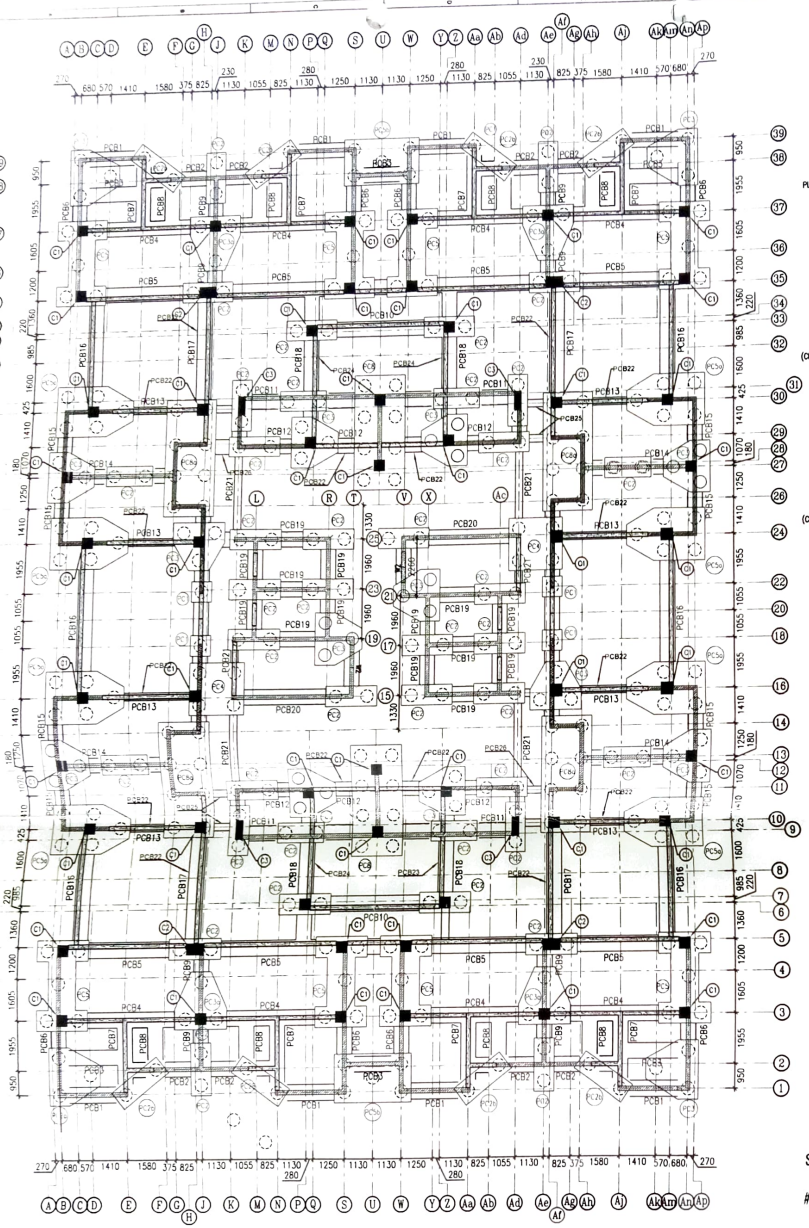
CLIENT: TAMILNADU SLUM CLEARANCE BOARD

CONTRACTOR: V Sathyamoorthy & Co

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST

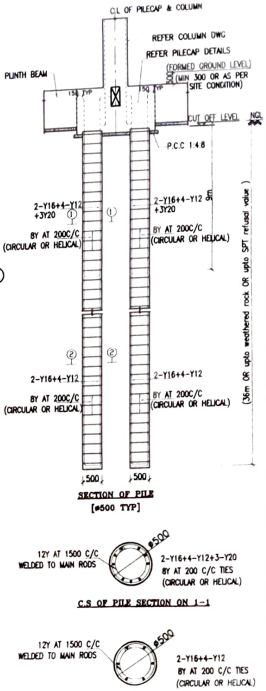
LAYOUT & R.C DETAILS OF PILE FOUNDATION

	NAME	DATE
Designed	YES	
Drawn		
Scale		
Date		



PLINTH BEAM LAYOUT AT PILE CAP LVL

ALL PILE ARE 500mm
TOTAL NO'S OF PILE 306



SECTION OF PILE
[ø500 TYP]

C.S OF PILE SECTION ON 1-1

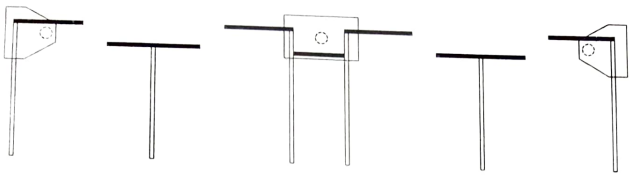
C.S OF PILE SECTION ON 2-2

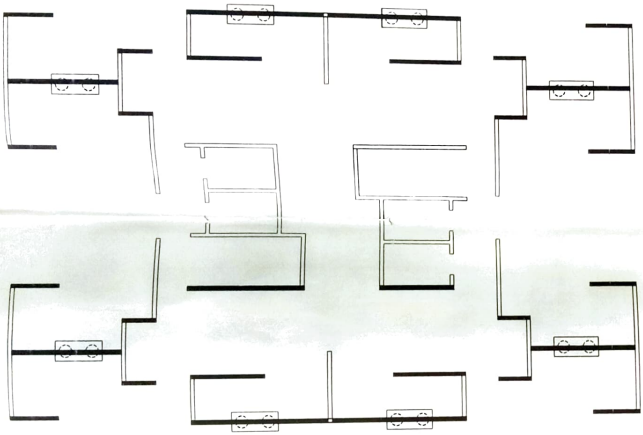
EXECUTIVE ENGINEER
STRUCTURAL AND QUALITY CONTROL CELL
TAMIL NADU SLUM CLEARANCE BOARD
5, KAMARAJAR SALAI, CHENNAI-600 005.

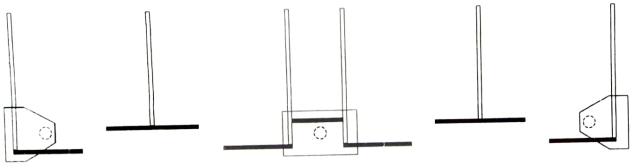
NOTES:
1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE M/R M30
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   PILECAP BOTTOM -75mm PILE - 50mm
   PILECAP TOP -50mm COLUMN-40mm
   PILECAP SIDE -50mm GRADE BEAM-30mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 40 TIMES DIA OF BAR AND SHALL BE KEPT STAGGERED
6. LOCATION & ORIENTATION OF THE BUILDING TO BE SUITABLY DECIDED AT SITE
7. PILE CAPACITY TAKEN AS PER SOIL REPORT 500ø = 120 tons
8. FOUNDATION DESIGNED FOR STILT+15 FLOORS ONLY.

			"GOOD FOR CONSTRUCTION"	CHECKED	APPROVED

		NAME	DATE
ARCHITECTS: STUDIO MADRAS ARCHITECTS, H-234,3 5th STREET, 12th MAIN ROAD, ANNA NAGAR, CHENNAI - 600040	Consultant		
CLIENT: TAMILNADU SLUM CLEARANCE BOARD	Checked		
CONTRACTOR: M/s V Sathyamoorthy & Co	Drawn	RAJAGAJALAKSHMI	15.06.10
PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.	Scale		
	Drawing No		Rev







All hatched walls to be 250mm thick

EXECUTIVE ENGINEER
STRUCTURAL AND QUALITY CONTROL CELL
TAMIL NADU SLUM CLEARANCE BOARD
5, KAMARAJAR SALAI, CHENNAI-600 005.

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M30
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS : BEAM –30mm, SLAB –20mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 –2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

NO	REVISION	CHECKED	APPROVED
A	"GOOD FOR CONSTRUCTION"		

STUDIO MADRAS ARCHITECTS
H-2043, 5th STREET, 12th MAIN ROAD,
ANNA NAGAR, CHENNAI - 600040

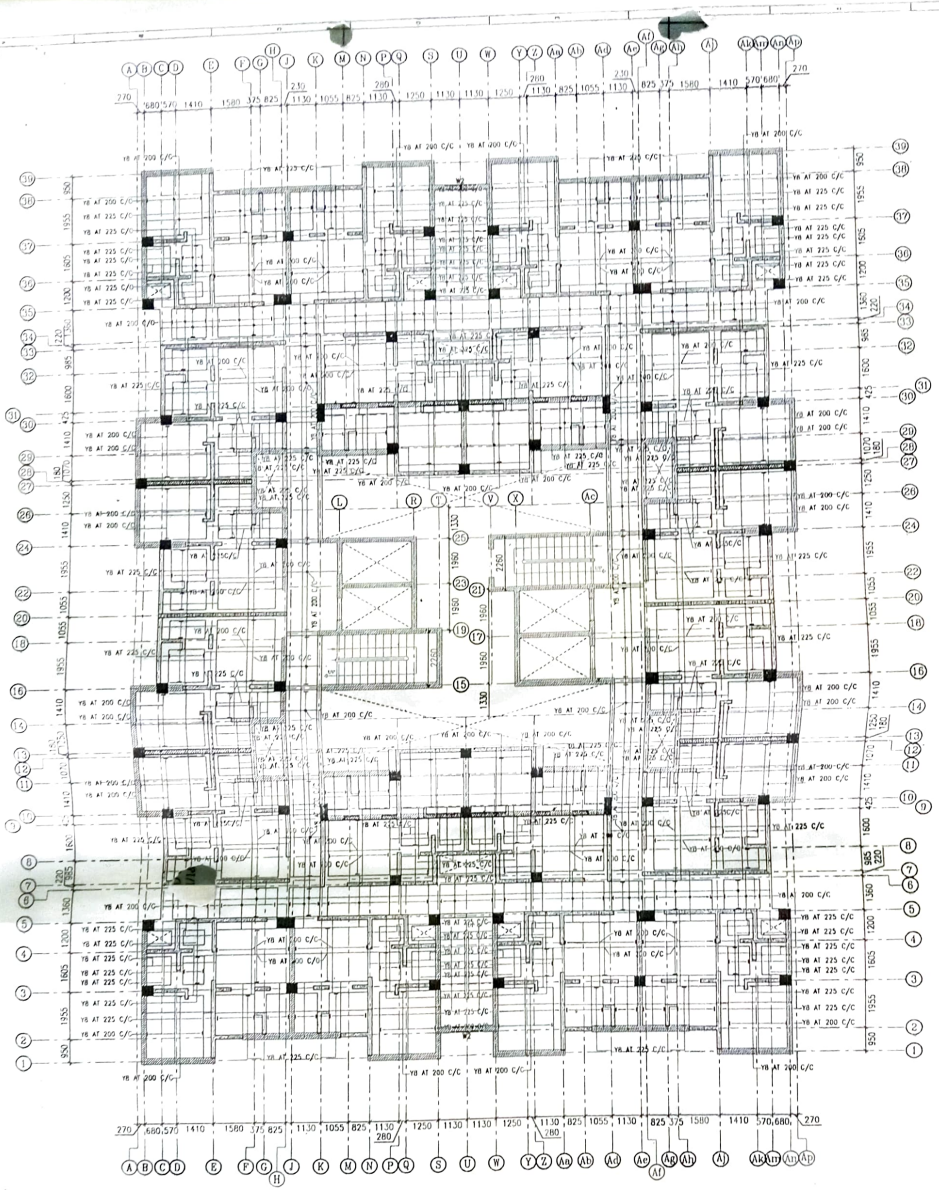
TAMIL NADU SLUM CLEARANCE BOARD

CONTRACTOR: V.SATHYAMOORTHY & CO

CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST.

RC DETAILS OF 9th floor WALL

	NAME	DATE
Designed	VCE	
Drawn	KARPAGAVALLI	19/4/18
Scale		
Drawing No	SM-S&C-KN-S NO-23	Rev A



THICKNESS OF SLAB = 150 THK (U.O.S) (TYP)

PROVIDE DISTRIBUTION STEEL Y8 @ 225 C/C AT TOP & BOTTOM WHERE REQUIRED TO FORM A MESH WITH THE MAIN REINFORCEMENT

SLAB BOTTOM REINF. DETAIL

FIRST FLOOR SLAB DETAIL (STILT ROOF)

NOTES:

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES.
2. GRADE OF CONCRETE MIX M35
3. CLEAR COVER FOR ALL REINFORCEMENTS SHALL BE AS FOLLOWS :
   BEAM –30mm, SLAB –20mm, RC WALL –25mm
   FOR OUTER RC WALL, OUTER FACE COVER 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 –2008
5. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED

DATE	NO	REVISION	CHECKED	APPROVED
18.09.18	B	GENERALLY REVISED		
18.09.18	A	"GOOD FOR CONSTRUCTION"		

Structural Consultant: Vignesh, Consulting Engineers — * Vel Amrutha Towers * 18/2, Nellone Mudali Street, Royapettah, Chennai-14. P.K.CHANDIRAN M.E.(STRUCT) Ph : 28130825

ARCHITECTS: STUDIO MADRAS ARCHITECTS H-3043, 5th STREET, 12th MAIN ROAD, ANNA NAGAR, CHENNAI – 600040

	NAME	DATE
Designed	MB	
Drawn	RAMAPRATHAP	18.09.18
Scale		

CLIENT: TAMILNADU SLUM CLEARANCE BOARD

CONTRACTOR: V.Sathyamoorthy & Co

PROJECT: CONSTRUCTION OF 1200 TENEMENTS AT KARGIL NAGAR, AT THIRUVOTTIYUR VILLAGE, AMBATTUR TALUK, THIRUVALLUR DIST

Drawing No: SU-SMC-KN-S-NO-31 Rev: B

FIRST FLOOR SLAB DETAILS



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

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