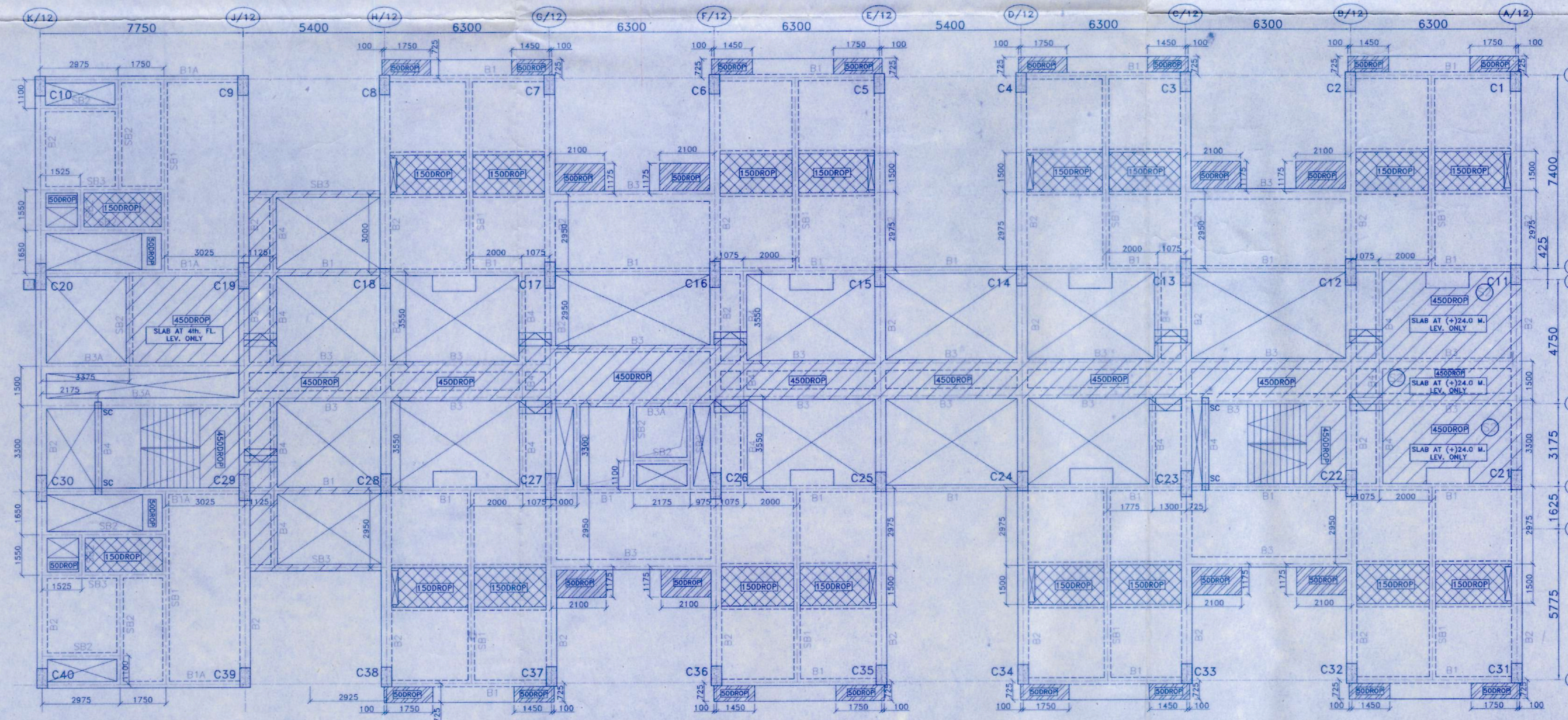


G.A. AT 3rd. FLOOR LEV.(G+12TH. STORED RESIDENTIAL BUILDING)

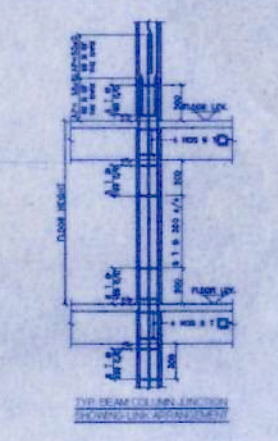


G.A. AT TYP. FLOOR LEV.(G+12TH. STORED RESIDENTIAL BUILDING)

COL. MKD.	SIZE	Fdn.TO 3rd. FLOOR	3rd.FL. TO 5th. FL.	5th.FL. TO 7th. FL.	7th.FL. TO 9th. FL.	9th.FL. TO ROOF
C12, C13, C16, C17, C19, C20, C22, C23, C26, C27, C29, C30	400 X 1000	20-32T	12-32T+8-20T	8-32T+12-20T	8-25T+12-20T	20-20T
C1, C10, C31, C40	400 X 750	18-20T	12-20T+6-16T	8-20T+10-16T	18-16T	18-16T
C2, C3, C4, C5, C6, C7, C8, C9, C11, C21, C32, C33, C34, C35, C36, C37, C38, C39	400 X 750	12-25T+6-20T	8-25T+10-20T	18-20T	12-20T+6-16T	8-20T+10-16T
C14, C15, C18, C24, C25, C28	400 X 750	12-32T+6-25T	8-32T+10-25T	18-25T	12-25T+6-16T	8-25T+10-16T
C41, C44	400 X 400	12-20T				COUMN ENDS AT 3RD FLOOR LEV.
C42, C43	L' 250 X 500	8-25T+4-20T				COUMN ENDS AT 3RD FLOOR LEV.

BEAM MKD	SIZE (IN mm)	AT SUPPORT		AT SPAN		STIRRUPS	
		TOP	BOT	TOP	BOT	SUPPORT	SPAN
B1	250x600	4-25 T	2-25 T	2-25 T	2-25 T	2L-8T@125c/c	2L-8T@200c/c
B1A	250x600	3-20T	3-20 T	3-20 T	6-20 T	2L-10T@150c/c	2L-10T@200c/c
B2	400x400	8-20 T	4-20 T	4-20 T	4-20 T	4L-8T@125c/c	4L-8T@200c/c
B3	400x400	4-20 T	4-20 T	4-20 T	4-20 T	4L-8T@150c/c	4L-8T@200c/c
B3A	400x400	2-25T	4-20 T	2-25 T	4-20T	4L-8T@150c/c	4L-8T@200c/c
B4	250x400	3-16 T	2-16 T	2-16 T	2-16 T	2L-8T@150c/c	2L-8T@200c/c
SB1	250x600	3-20 T	3-20 T	3-20 T	6-20 T	2L-8T@200c/c	2L-8T@200c/c
SB2	250x400	2-16 T	2-16 T	2-16 T	3-16 T	2L-8T@200c/c	2L-8T@200c/c
SB3	250x400	2-16 T	2-16 T	2-16 T	4-16 T	2L-8T@200c/c	2L-8T@200c/c

SLAB MKD.	SLAB THK.	SHORTER SPAN		LONGER SPAN	
		SUPPORT TOP	MID-SPAN BOT	SUPPORT TOP	MID-SPAN BOT
S1	125	8T @ 150 C/C	8T @ 150 C/C	8T @ 175 C/C	8T @ 200 C/C
S2	150	8T @ 125 C/C	8T @ 125 C/C	8T @ 150 C/C	8T @ 200 C/C
S3	200	10T @ 150 C/C	10T @ 150 C/C	10T @ 150 C/C	10T @ 150 C/C



- NOTES:**
- Basic Reference code: IS:456:2000, IS:1893:2002(Part I), IS:19920:1995(Reaffirm 2002)
 - Drawings shall be taken in accordance that requires strength of concrete is gained before commencement of de-shuttering. It shall comply with provisions of Clause No. 11.3 of IS 456: 2000.
 - Nonmetallic covers:

Mild	Moderate	Severe
I Footings	50	50
II Columns & walls >200mm width (to links of column)	40	40
III Columns & walls with width of 200mm & below having reinf. of dia. 16mm & above (to links of column)	40	40
IV Columns & walls with width of 200mm & below having reinf. of dia. 12mm. (to links of column)	25	30
V Slabs	20	30
VI Beams (to stirrups of beam)	20	30
VII Lift walls	40	40
 - For main reinf. up to 12mm diameter bar for mild exposure, the nominal cover may be reduced by 5mm for slabs & beams only.
 - Beams with depth more than 750mm, provide side-face reinforcement.
 - Substitution shall be approved from our office before laying P.C.C.
 - Minimum clear spacing between any two longitudinal bars in beams = 50mm.
 - All laps (Ld) shall be staggered & not more than 50% bars to be lapped at any given section.
 - GRADE OF REINF. M20 M25 M30 M35 M40 & ABOVE

Fe15	48 X D	41 X D	38 X D	34 X D	30 X D
Fe40 (TMT)	57 X D	48 X D	46 X D	40 X D	36 X D
 - For hooked bars, Ld shall be increased by 10% for 2 bars in contact, 20% for 3 bars in contact and 35% for 4 bars in contact.
 - All buildings shall have tie beams/pinb beams at ground/pinb level.
 - If footings overlap with each other, necessary revision shall be obtained from our office.
 - Designs valid for number of floors as indicated in the drawing.
 - At any level where column size gets reduced in either dimension tie beams/pinb beams are essential.
 - For cantilevers, top bars to be anchored behind from external face of support - Ld or span of cantilever - whichever is greater.

Grade of Steel: Fe500
 Grade of Concrete: M 25
 Pile Cap, Tie Beam: M 30
 Column, Beam, Slab: M 40

STRUCTURAL CONSULTANT:

Formerly J's Associates
JW CONSULTANTS LLP
 ME (Structure), CHARTERED ENGINEER (I)
 SALT LAKE CITY, KOLKATA

SCALE	DATE	DEALT	CHECKED

STRUCTURAL ENGINEER:
SANJAY KUMAR DUBEY
 ME (Structure), CHARTERED ENGINEER (I)
 SALT LAKE CITY, KOLKATA

CERTIFICATE OF STRUCTURAL STABILITY

WE HEREBY CERTIFY THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON PLOT 4 (OLD NO. 1290, WARD NO. 15 (OLD NO. 3129)) HAVE BEEN SO DESIGNED BY ME/US WILL MAKE SUCH FOUNDATION & SUPERSTRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY & SETTLEMENT OF SOIL ETC.

JAY PRAKASH BHARAT KUMAR AGRAWAL
 B. Arch., A.I.I.A.
 Reg. No. CA / 65 / 10098
 ARCHITECT SL. NO. - 32(A)
SIGNATURE OF ARCHITECT

SANJAY KUMAR DUBEY
 Structural Engineer (I) (E-SE-1/142)
 KOLKATA MUNICIPAL CORPORATION
SIGNATURE OF STRUCTURAL ENGG.

SHYBHAL NUNHAR BISHRA, B.E. (CIVIL)
 GEO-TECHNICAL ENGINEER
 ENROLLMENT NO. 0168-RDC/09/10976
SIGN OF GEO-TECH ENGG.

B. C. BARMAN, IAS
 Commissioner-in-Charge
 Dept. of L. & L. R. and R. & R. & R.
 Govt. of W. B.
SIGNATURE OF OWNER

JAY PRAKASH BHARAT KUMAR AGRAWAL
 B. Arch., A.I.I.A.
 Reg. No. CA / 65 / 10098
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 ENROLLMENT NO. 0168-RDC/09/10976
SIGN OF GEO-TECH ENGG.

TITLE -
 SUB & SUPER STRUCTURE
 (G+12 FL. BLOCK) (REHABILITATION)

PROJECT -
 REVISED PLAN OF RESIDENTIAL DEVELOPMENT AT PREMISES NO. 561, BONHOOGLY ARABLE LAND, HOLDING NO. 4 (OLD NO. 1290), WARD NO. 15 (OLD NO. 3129), DIST. NORTH 24 PARAGANAS, UNDER BARANAGAR MUNICIPALITY, FOR R.R. & R. DEPARTMENT, GOVT. OF W.B. (BONHOOGLY TENEMENT SCHEME) IN THE CONTINUATION OF OLD BUILDING PERMIT NO. IS/PW/372/31, DTD 12.01.09 & SUBSEQUENTLY SANCTIONED VIED BUILDING PERMIT NO. PW/BS/037/15, DATED 10.12.2014 AND FURTHER SANCTIONED VIED BUILDING PERMIT NO. PW/BS/160/15 DATED 24.10.2016 & PARTIAL COMPLETION CERTIFICATE ISSUED VIED MEMO NO. BMP/WCC/249/15, DATED 05.01.17 FOR I.L.G. BLOCK A,B,C, D & CLUB COMMUNITY.

ARCHITECTS

AGRAWAL & AGRAWAL
 BARODA & KOLKATA

SCALE	DATE	DEALT	CHECKED
1:100	09.09.17		

F-2

Sanctioned by the Councilors at
their meeting held on 19.2.18
Vide Item No. 5(11)

Any deviation or alteration
requires prior sanction of
the Municipal Authority

Information should be given
to the office before execution



Assistant Engineer
F.W. Department
Baranagar Municipality

SANCTIONED
Chairman
Baranagar Municipality

অনুমোদিত নম্বা

ইস্যু নং পি. ডব্লিউ/আর.বি. 16/15
তারিখ 11.5.18

