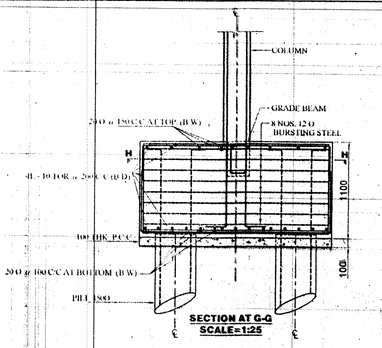

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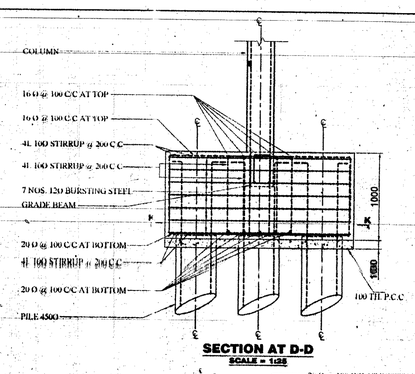

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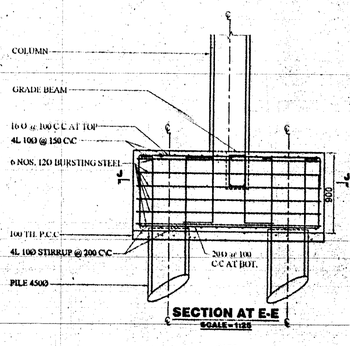

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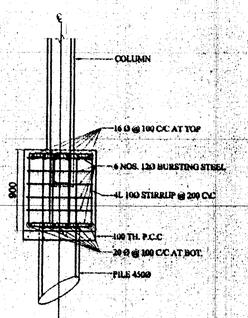

SECTION AT F-F
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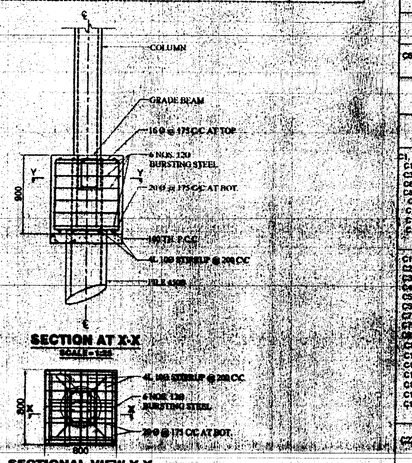
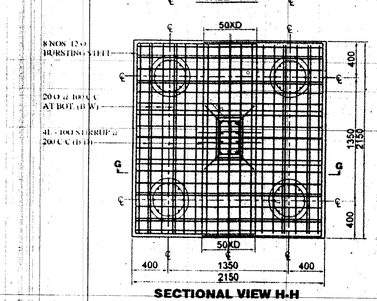
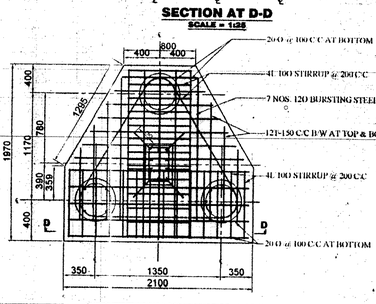


SECTION AT X-X
SCALE=1:25

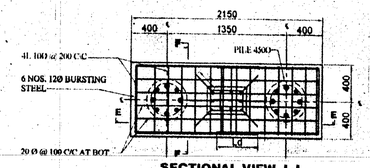
SECTIONAL VIEW Y-Y
DETAILS OF 1-PILE CAP
SCALE=1:25



SECTIONAL VIEW H-H
DETAILS OF 4-PILE CAP
SCALE-1:25



SECTIONAL VIEW K-K
DETAILS OF 3-PILE CAP
SCALE-1:25



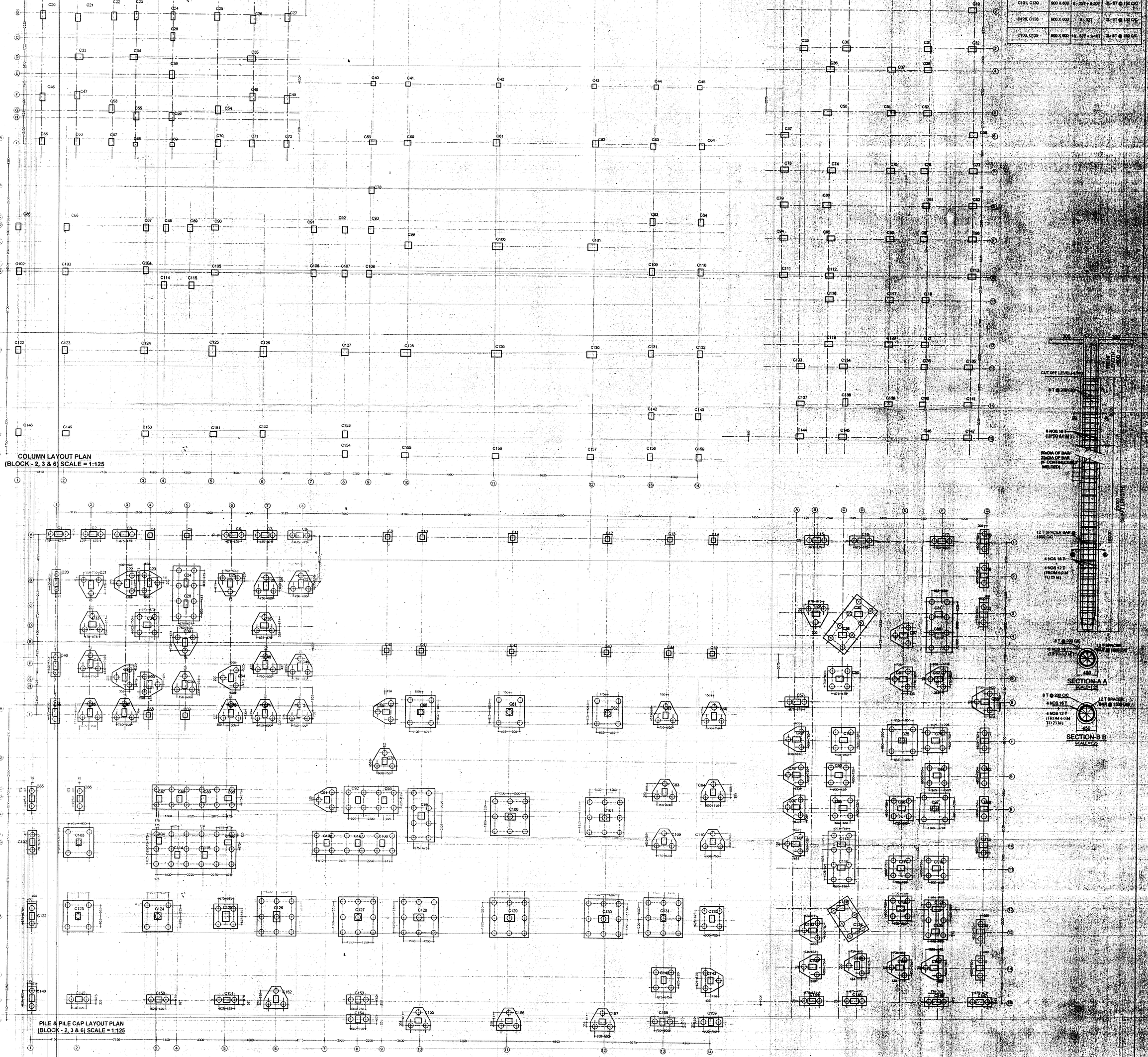
SECTIONAL VIEW J-J
TYPICAL DETAILS OF 2-PILE CAP
SCALE-1:25

SCHEDULE OF PILE CAP FOR GROUP - 4, 6, 7 & 8

PILE GROUP	DIA OF PILE GROUP	LENGTH OF PILE CAP	BREADTH OF PILE CAP	OVER ALL DEPTH OF PILE CAP	BOTTOM. STEEL (B/W)	TOP STEEL (B/W)	STIRRUP SHORT DIRRECTION	BRUSTING STEEL AT PILE CAP
5	450	2709	2709	1200	20 TOR @ 100 C/C	20 TOR @ 150 C/C	4L - 10 TOR @ 200 C/C	8 NOS. 12 - T
6	450	3500	2150					
8	450	4850	2150					
9	450	3500	3500	1500	20 TOR @ 100 C/C	20 TOR @ 100 C/C	4L - 10 TOR @ 200 C/C	12 NOS. 12 - T
12	450	4850	3500					
18	450	4850	4850					

SCHEDULE OF COLUMN

COL. NKD.	SIZE	STEEL	RING
C4,C5,C66,C69	400 X 400	8 - 16T	2L- 8T @ 250 C/C
C9, C13, C14	400 X 400	4 - 12T + 4-16T	2L- 8T @ 150 C/C
C40, C41, C44	400 X 400	4-20 + 4 - 16T	2L- 8T @ 150 C/C
C10, C12, C42, C43	400 X 400	8-20 + 8 - 20T	2L- 8T @ 150 C/C
C11, C45	400 X 450	4 - 20T + 2-20T	2L- 8T @ 150 C/C
C81, C82, C83, C124, C127	600 X 900	8 - 25T + 8-20T	2L- 8T @ 150 C/C
C23, C28	700 X 350	8 - 20T	2L- 8T @ 150 C/C
C24	700 X 450	8 - 20T + 8-16T	2L- 8T @ 150 C/C
C1, C2, C3, C6, C7, C8, C18, C19, C20, C32, C36, C49, C50, C65, C67, C77, C82, C84, C85, C86, C89, C94, C113, C114, C115, C135, C141, C145, C146, C147, C148, C149	700 X 450	8 - 16T	2L- 8T @ 150 C/C
C15, C16, C17, C21, C25, C26, C27, C33, C34, C37, C38, C47, C48, C51, C52, C53, C54, C56, C57, C58, C63, C64, C70, C71, C72, C73, C76, C78, C80, C91, C92, C93, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C116, C117, C118, C119, C120, C121, C122, C133, C134, C136, C137, C138, C139, C140, C142, C143, C154	700 X 450	12 - 16T	2L- 8T @ 150 C/C
C22, C29, C30, C31, C35, C39, C46, C55, C59, C60, C61, C62, C74, C75, C87, C88, C90, C117, C118, C119, C123, C125, C126, C129, C130, C131, C132, C144	700 X 600	12 - 20T	2L- 8T @ 150 C/C
C31, C74, C87, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140, C141, C142, C143, C144, C145, C146, C147, C148, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C159	700 X 600	16 - 20T	2L- 8T @ 150 C/C
C34, C60, C61, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140, C141, C142, C143, C144, C145, C146, C147, C148, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C159	700 X 600	20 - 20T	2L- 8T @ 150 C/C
C150, C152	700 X 450	8 - 16T	2L- 8T @ 150 C/C
C88, C89, C91, C92, C126, C129, C125, C127, C157	700 X 450	4 - 16T + 4-16T	2L- 8T @ 150 C/C
C156	700 X 450	12 - 16T	2L- 8T @ 150 C/C
C101, C130	900 X 600	6 - 25T + 6-20T	2L- 8T @ 150 C/C
C126, C128	900 X 600	20 - 32T	2L- 8T @ 150 C/C
C100, C129	900 X 600	16 - 32T + 4-16T	2L- 8T @ 150 C/C



TECHNICAL SPECIFICATION :-

1> ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
2> GRADE OF CONC IN SUPER STRUCTURE & FOUNDATION - M-30
3> REINFORCED GRADE CONFIRM TO - Fe 500 (IS. 1786)
4> CLEAR COVER - 20mm IN SLAB
25mm IN BEAM
40mm IN COLUMN
50mm IN PILE & PILE CAP
5> (a) COLD TWISTED DEFORMED BARS OF HIGH YIELD STRENGTH CONFORMING TO IS : 1786 (LATEST) WITH A YIELD STRESS OF 4,150 kg/sq. cm. SHALL BE USED.
(b) LAPS, WHEREVER REQUIRED, ARE TO BE STAGGERED AS DIRECTED BY THE ENGINEER-IN-CHARGE. LAP LENGTH SHALL BE AS PER IS : 456(2000) CLAUSE 26.2.5.1
(c) REINFORCEMENT BARS SHALL BE PROPERLY SUPPORTED, SO THAT THEY REMAIN IN CORRECT POSITION DURING CONCRETING.
(d) IF IT IS ESSENTIAL TO CHANGE A PARTICULAR DIAMETER OF STEEL BAR DUE TO ITS NON-AVAILABILITY AT SITE, EQUIVALENT AREA SHALL BE THE CRITERIA PROVIDED OTHER CODAL REQUIREMENTS ARE FULFILLED.
(e) IN SLABS, STEEL REINFORCEMENT PARALLEL TO THE SHORT SPAN FROM BOTTOM LAYER AND STEEL REINFORCEMENT PARALLEL TO LONG SPAN SHALL FROM TOP LAYER.
6> (a) BEFORE THE REINFORCEMENT IS TIED, CENTERING AND SHUTTERING SHALL BE GOT APPROVED FROM THE ENGINEER-IN-CHARGE IN WRITING.
(b) IN CANTILEVER BEAMS, SHUTTERING AT EDGES IS BE LIFTED BY 50 MM.
7> DISCREPANCY, IF ANY, SHALL BE BROUGHT TO THE NOTICE OF THIS OFFICE BEFORE EXECUTION OF WORK.
8> THE FIRE RESISTANCE RATINGS OF ALL THE STRUCTURAL AND NON-STRUCTURAL ELEMENTS SHALL BE AS PER PART-IV OF FIRE PROTECTION OF NBC OF INDIA 1983.
9> ALL DESIGN DETAIL AND SPECIFICATIONS CONFORMING TO IS 456:2000.
10> ALL R.C.C. WORK SHALL BE DONE ACCORDING TO SP 34: 1987.
11> CUT OF LENGTH VARIES FROM 3750 MM TO 4500 MM FROM G.L.
12> SHAFT LENGTH OF PILE 23000 MM.

CHAIRMAN
Engineering Deptt. Office of the Burdwan Municipality
Burdwan
1/3/18
SIG OF EXECUTIVE OFFICER
SIG OF ASST. ENGG.

For RDB REALTY & INFRASTRUCTURE LTD.
Director
For RDB REALTY & INFRASTRUCTURE LTD
(As Constituted Attorney of Burdwan Municipality)
Director
SIGN. OF OWNER :

CERTIFICATE OF S.E :
I HEREBY CERTIFY THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON BURDWAN ,MOUZA-GODA JL-41 DAG NO-2194,2195 KHATIAN NO-45 UNDER THE JURISDICTION OF BURDWAN MUNICIPALITY HAVE BEEN PERSONALLY INSPECTED AND SO DESIGNED BY ME/US WILL MAKE SUCH FOUNDATION AND SUPER STRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL AND OTHER CONDITIONS, IF ANY, CONFORMING TO ALL STIPULATIONS OF ALL RELEVANT IS CODE OF PRACTICE AND NATIONAL BUILDING CODE.

ALOK ROY
Empanelled Geotechnical Engineer
Kolkata Municipal Corporation
Class-I, No.- G.T/I/11
6A, Milan Park,
Kolkata-700 084
Signature of Geo-technical Engineer
(Name, address and empanelment No.)

Subhradeep Chakraborty
B.C.E. (U.U.) A.I.E. MIGS
Enrolled Structural Engineer of NKDA
No.- STER/NKDA/10/00072
Signature of Structural Engineer
(Name, address and empanelment No.)

CERTIFICATE OF ARCHITECT
I DO HEREBY CERTIFY THAT PLANS, ELEVATIONS AND SECTIONS AND OTHER STRUCTURAL DETAILS OF THE PROPOSED BUILDING ON BURDWAN , MOUZA-GODA, JL-41 DAG NO-2194,2195 KHATIAN NO-45, UNDER THE JURISDICTION OF BURDWAN MUNICIPALITY HAVE BEEN PREPARED IN CONFORMITY WITH ALL RELEVANT PROVISIONS UNDER THE WEST BENGAL MUNICIPAL (BUILDING) RULES, 2007. THIS ALSO TO CERTIFY THAT ALL RELEVANT NO OBJECTION CERTIFICATES FROM THE RESPECTIVE AUTHORITIES SUCH AS, FIRE AND EMERGENCY SERVICES DEPARTMENT, AIRPORT AUTHORITY, POLLUTION CONTROL BOARD, TELECOMMUNICATION DEPARTMENT ETC. AS APPLICABLE IN THIS REGARD, ARE ALSO ENCLOSED WITH THE APPLICATION FOR SEEKING APPROVAL OF THE PLAN TO CONSTRUCT/ RECONSTRUCT/ ADDITION TO/ ALTERATION OF THE BUILDING ON THE SAID PLOT.

GOPAL CHANDRA PAUL
Architect
Reg. No.-CA/2002/28984
Signature of Architect
(Name, address and Empanelment No.)

DEVELOPER : RDB REALTY & INFRASTRUCTURES LIMITED
Off : Bijoon Building, 1st floor Room no. 10.B/1, Lalbazar Street, Kolkata- 700 001, Phone : +91 33 2242 0585, Fax : +91 33 2243 0585, E-mail : rashesh@rdbindia.com, Website : www.rdbindia.com

CONSULTANT : Archistix consultant
17/32, DAKSHINDARI ROAD, Kolkata-700 048 (NEAR ULTADANGA V.I.P BRIDGE)
Tel : 3257 0505, 2534 0561, E-mail : archistx@yahoo.co.in/ archistxconsultant@gmail.com

PROJECT :
PROPOSED (B+G+V) STORIED COMMERCIAL CUM (B+G+XI) STORIED RESIDENTIAL BUILDING AT BURDWAN ,MOUZA-GODA, JL-41,DAG NO-2194,2195,KHATIAN NO-45.

	NAME	DATE
DRGN.	A. CHAKRABORTY	
DRWN.		
CHKD.		
APPD.	A. CHAKRABORTY	08.01.2018

TITLE : STRUCTURAL DRAWING (BLOCK - 2,3 & 6)
PILE, PILE CAP & COLUMN & DETAIL DRAWING
SCALE : 1:125
SHEET / SET : 16 / 16

DRG. No. A C - 3 2 1 - A R / S - 0 0 5 - 0 1 - 1 8 - 0 1
REV. NO. : NO
REV. DT. : NO

RELEASED FOR : ☐ PRELIMINARY ☐ TENDER ☐ SANCTION ☐ APPROVAL ☑ CONSTRUCTION
DRAWING STATUS : ☐ ARCHITECTURAL ☑ STRUCTURAL ☐ ELECTRICAL ☐ PLUMBING

Burdwan Municipality
Engineering Section (Road)
Regd. No. 1353
File Mark V1
Date 25/12/17