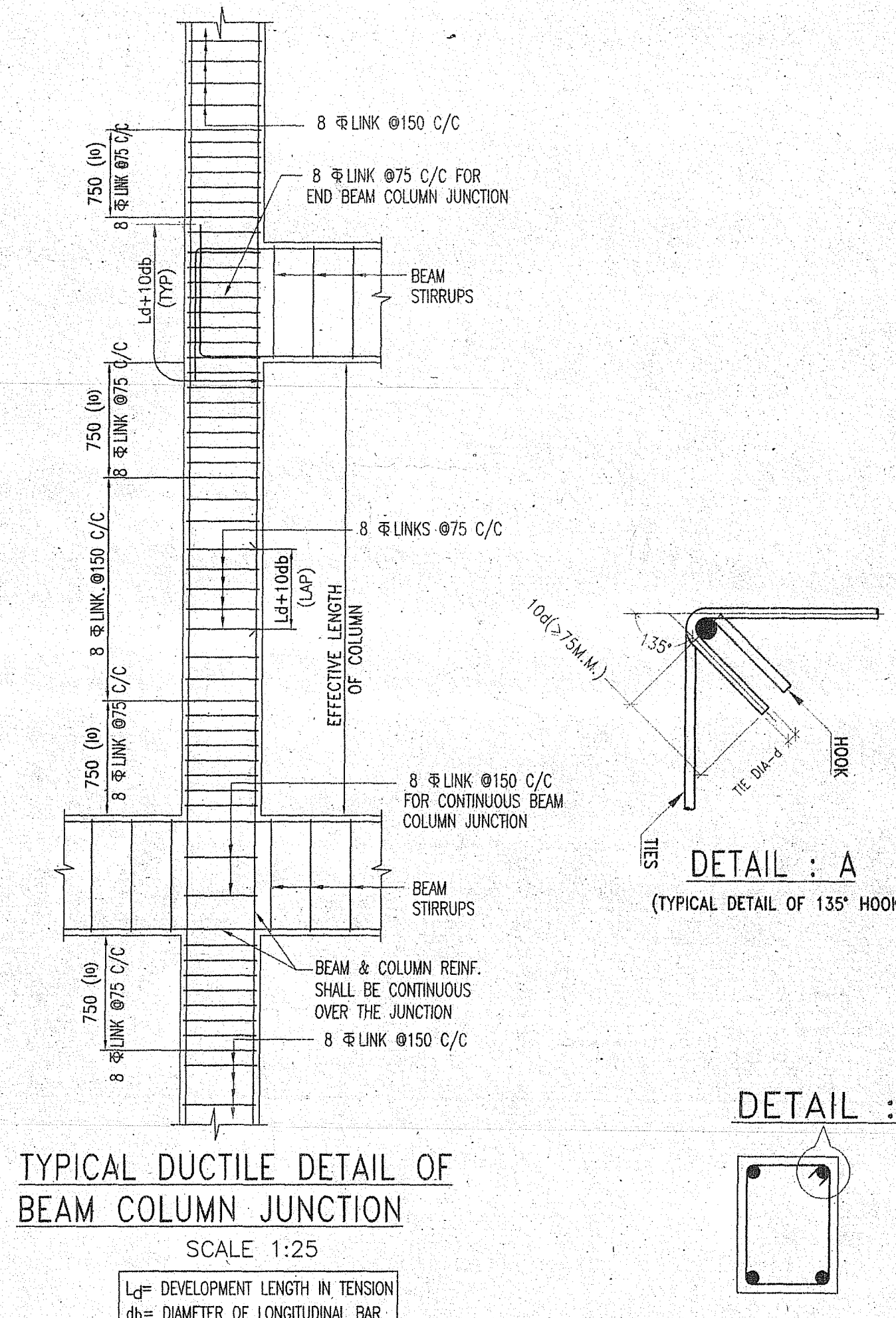


COLUMN LAYOUT PLAN  
SCALE - 1:100



DETAILS OF COLUMN HOOP REINFORCEMENT

SCHEDULE OF COLUMNS						
COLUMN MARKED	NOS. OF COLUMNS	COLUMN SIZE (mm x mm)	FOUNDATION TO 4TH FLOOR		4TH TO ROOF & ABOVE ROOF	
			FOUNDATION TO 4TH FLOOR	4TH TO ROOF & ABOVE ROOF	NEAR JUNCTION (N)	REST PORTION
C41	01	300X675				
C89, C93	02	250X975 / 1000				
C4, C5	02	300X750				
C1, C3, C6 TO C8, C10, C11, C13 TO C15, C18, C23, C25, C26, C29, C39, C49, C51, C61, C68, C70, C78, C79, C82, C83, C88, C91, C94, C95 TO C98	32	300X500				
C2, C9, C12, C16, C17, C22, C24, C30, C31, C35 TO C38, C40, C43, C45, C48, C50, C55, C59, C60, C62 TO C66, C74, C75, C80, C84, C85, C87, C90, C92	34	300X500				
C20, C28, C34, C37	04	300X500				
C19, C21, C27, C32, C33, C42, C44, C46, C52 TO C54, C56 TO C58, C67, C68, C71 TO C73, C76, C77, C81, C86	23	300X500				
STOOL COLUMNS S11 (ROOF TO MEN'S ROOM ROOF SLAB) S12 (ROOF TO LIFT MACHINE ROOM ROOF SLAB) S13 AND S14 (ROOF TO WATER TANK PLATFORM)	04	250X250				

SPECIAL NOTES  
THIS DRAWING IS VALID IF THE ARCHITECTURAL DRAWING IS FOLLOWED USING 200 mm THICK AAC BLOCKS IN EXTERNAL WALLS & 125 mm THICK AAC BLOCKS IN INTERNAL WALLS.

NOTES:-

- UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
- ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER, EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS, AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH), HOWEVER ARCHITECTURAL DRAWING TO BE COORDINATED FOR ALL LEVELS.
- ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
- UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE B.M.T. BARS OF GRADE Fe-500/500 D CONFORMING TO IS:1786-2008.
- UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE DEVELOPMENT LENGTH + 50BAR DIA.
- CONCRETE NOMINAL COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:  
i) COLUMNS = 40 MM  
ii) LIFT SHEAR WALL = 20 MM
- GRADE OF CONCRETE SHALL BE AS FOLLOWS:-  
FOUNDATION TO FOURTH FLOOR: M30  
FOURTH FLOOR TO ROOF AND ABOVE ROOF: M25
- VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
- DEVELOPMENT LENGTH 500D FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP:11:1987
- WHEREVER A SUPPORTED MEMBER TERMINATES AT A SUPPORTING MEMBER THE BARS OF THE SUPPORTED MEMBER SHOULD HAVE AN ANCHORAGE OF 50D IN THE SUPPORTING MEMBER DRAWING.
- IN ALL CANTILEVER SLAB WITHOUT PERIPHERAL BEAMS (IF ANY) THE TOP REINFORCEMENT PARALLEL TO THE CANTILEVER SPAN SHOULD BE CONTINUED UP TO ATLEAST 1.5 TIMES THE CANTILEVER SPAN WITHIN THE ADJACENT SLAB.
- WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT THE BOTH SIDE.
- LIGHT WEIGHT AAC BLOCKS ARE TO BE USED IN PLACE OF CONVENTIONAL BRICK WORK AT ALL PLACES.

TITLE  
STRUCTURAL DRAWINGS OF PROPOSED G+7 STORIED APARTMENT BUILDING OF "NABAUDYOG ENTERPRISE" OVER PLOT NO. - 2063, 2064, 2065, 2066, 2067 & 2068(P), MOUZA-ARRAH, J.L. NO.- 91, KHATIAN NO. - 4514, 4515, 4516, 406, 4508, 4509, 4510, 191, 4511, 4512, 4513, 1461, 4549, 4548 P.S.- KANSA, DIST. -PASHCHIM BARDHAMAN

CERTIFICATE OF STRUCTURAL ENGINEER  
THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME, CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

Signature of Structural Engineer: Soumyadip Dutta  
SOUMYADIP DUTTA  
CIVIL ENGINEER (B.TECH)  
W. B. U. T.

SIGNATURE OF THE VETTING AUTHORITY

DR. DIPANKAR CHAKRABORTY  
Professor, Civil Engineering Department  
Jadavpur University, Kolkata-700032  
M. Tech. (IIT KGP) - Gold Medalist  
P.D. (IIT KGP)  
8-3044177-75, 3044181-81, 991018922

CERTIFICATE OF ARCHITECT/ENGINEER  
I DO HEREBY CERTIFY AND VERIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN PREPARED BY ME KEEPING THE PROVISIONS OF NBC OF INDIA AND CERTIFY THAT IT IS SAFE & STABLE IN ALL RESPECT.

Signature of Architect/Engineer: Vijaya Singh Mazumder  
VIJAYA SINGH MAZUMDER  
Consulting Architect  
SAMPAL CHAKRABORTY  
CONSULTING ARCHITECT  
DMC REGISTERED  
LIC NO. - DMC/RPD/07

DECLARATION OF GEOTECHNICAL ENGINEER  
THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT

Signature of Geotechnical Engineer: Tubharbaran Pahari  
TUBHARBARAN PAHARI  
M.E. (Str.), Chartered Engineer  
P-46C, Arcadia Extension  
Batala, Kolkata-700 034

SIGNATURE OF GEOTECHNICAL ENGINEER

CERTIFICATE OF OWNERS  
THIS IS TO CERTIFY THAT I SHALL NOT ON A LATER DATE, MAKE ANY ADDITION OR ALTERATION TO THIS PLAN. THIS IS CERTIFIED THAT I HAVE GONE THROUGH THE NBC OF INDIA AND ALSO MADE BY THOSE RULES DURING AND LATER CONSTRUCTION OF BUILDING.

Signature of Owners: Naba Kumar Das  
NABA KUMAR DAS  
Proprietor

SIGNATURE OF OWNERS

SIG. OF PANCHAYAT PRADHAN  
Approved by District Engineer Paschim Bardhaman  
Bardhaman, West Bengal  
DE/PBRAP/269 dt- 20/9/19  
APPROVED  
Pradhan  
Malandighi Gram Panchayat

DRAWING TITLE  
COLUMN LAYOUT PLAN AND COLUMN SCHEDULE

SCALE: 1:100 OR AS SHOWN  
DATE: 27.07.2018  
SHEET NO. - 2 OF 4