

**SCHEDULE OF BEAM**

BEAM MEM. (bnd)	SUPPORT	SPAN		SUPPORT	SPAN
		TOP	BOTTOM		
B1	2-20 TOR + 1.6 TOR	1-16 TOR	3-16 TOR	2-20 TOR + 1.6 TOR	2-20 TOR + 1.6 TOR
B2	2-20 TOR + 4.16 TOR	1-16 TOR	3-16 TOR	2-20 TOR + 4.16 TOR	2-20 TOR + 4.16 TOR
B3	4.16 TOR	1-16 TOR	2.16 TOR	6-16 TOR	-DO-
B4	5-16 TOR	1-16 TOR	2.16 TOR	2-20 TOR + 4.16 TOR	-DO-
B5	6-20 TOR	4-20 TOR	1-20 TOR	8-20 TOR	-DO-
BEAM CONNECTED TO PILE CAP (bnd)	250 X 500	6-16 TOR	3-16 TOR	6-16 TOR	-DO-

**SCHEDULE OF SLAB (FLOOR/ROOF)**

SLAB MKD.	THICKNESS	REINFORCEMENT	AT TOP ALONG LONGER AXIS
S1	115	10 mm TOR @ 150 C/C	10 mm TOR @ 200 C/C
S2	125	-DO-	8 mm TOR @ 150 C/C

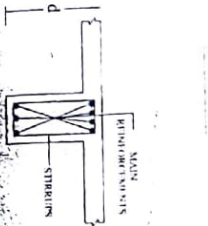
**SCHEDULE OF COLUMN**

COLUMN MKD.	COLUMN SIZE (bnd)	VERTICAL REINFORCEMENT	LATERAL TIES
A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40, A41, A42, A43, A44, A45, A46, A47, A48, A49, A50, A51, A52, A53, A54, A55, A56, A57, A58, A59, A60, A61, A62, A63, A64, A65, A66, A67, A68, A69, A70, A71, A72, A73, A74, A75, A76, A77, A78, A79, A80, A81, A82, A83, A84, A85, A86, A87, A88, A89, A90, A91, A92, A93, A94, A95, A96, A97, A98, A99, A100	250 X 450	8-20 TOR	8 mm TOR @ 150 C/C (DOWN E)
A12, L1, O-20	250 X 400	8-20 TOR	-DO-
A4, C12, D1, G1, R1, R, K1, K2, K-20	250 X 500	8-20 TOR	-DO-
L2, L4, L5, M2, O4, R, E2, H2, H4	350 X 550	12-20 TOR	8 mm TOR @ 150 C/C (DOWN E)
D1, B3, B4, C7, C9, L2, L4, L5, M2, O4, R, E2, H2, H4	350 X 550	12-20 TOR	8 mm TOR @ 150 C/C (DOWN E)

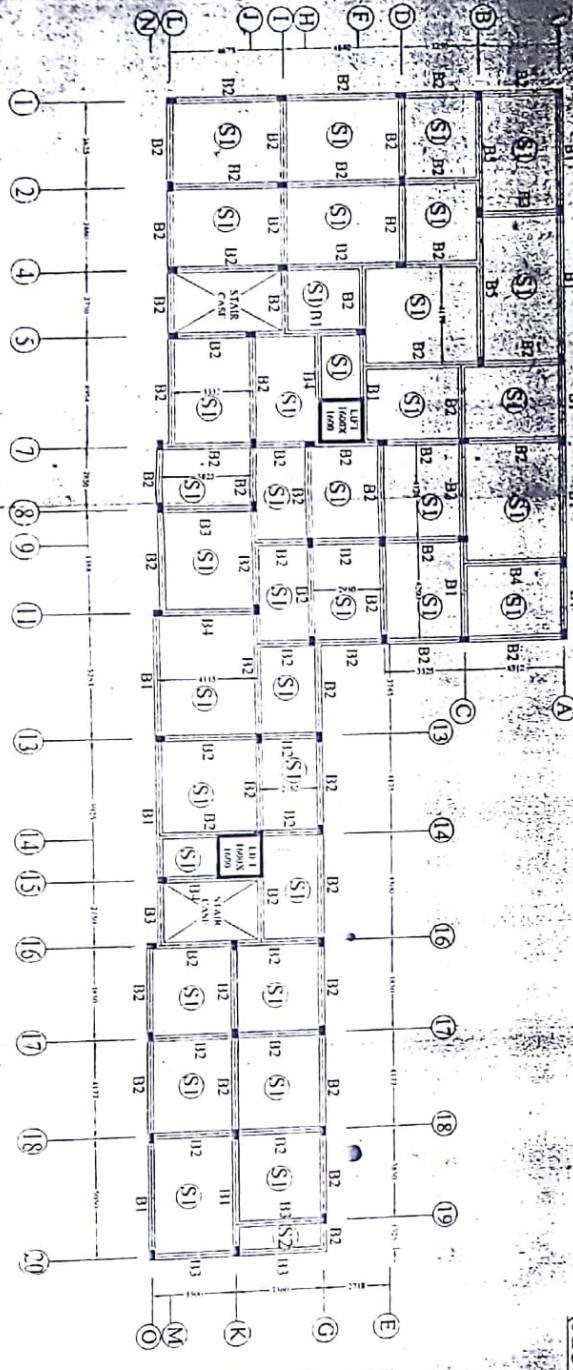
**SECTION THROUGH STAIR**



**TYPICAL SECTION OF COLUMN**



**TYPICAL SECTION OF (FLOOR/ROOF) BEAM**



**LAY-OUT PLAN OF (FLOOR/ROOF) BEAM & SLAB**

SCALE: 1:100

**N.B.:-**

1. DETAILS OF LAY OUT PLAN WITH PILE CAP SCHEDULE OF BLOCK-A SEE REFER SHEET NO. 1 OF 4.
2. DETAILS OF LIFT WELL WITH PILE FOUNDATION- DETAILS OF RC-1, RC-2 & RC-3, R.C.C. PILE DETAILS ETC SEE REFER SHEET NO. 2 OF 4.

DATE: 31-01-11  
 SCALE: 1:100  
 DRG. NO.: 370/06  
 DRN. BY: S. MONDAL  
 SHEET NO.: 3 OF 4

**NOTES**

1. ALL DIMENSIONS ARE IN MM.
2. DETAILS ARE NOT TO SCALE UNLESS OTHERWISE MENTIONED.
3. GRADE OF CONCRETE: M-20
4. GRADE OF STEEL: Fe-415
5. NET SAFE BEARING CAPACITY OF SOIL HAS BEEN CONSIDERED FROM THE SOIL INVESTIGATION REPORT AS PREPARED BY M/S. NEW TECHNOMA (PVT) LTD.
6. R.C.C. OF PILE M-35 GRADE

**CERTIFICATE OF STRUCTURAL STABILITY**

WE, THE UNDERSIGNED, CIVIL ENGINEERS, REGISTERED UNDER THE ENGINEERS ACT, 1947, IN INDIA, DO HEREBY CERTIFY THAT THE DESIGN AND CONSTRUCTION OF THE ABOVE STRUCTURE HAS BEEN CHECKED AND FOUND TO BE IN ACCORDANCE WITH THE PROVISIONS OF THE INDIAN STANDARDS AND SPECIFICATIONS AND IS SAFE FOR THE INTENDED USE AND SERVICE LIFE OF THE BUILDING.

SIGNED BY: *S. Mondal*  
 NAME: S. MONDAL  
 DESIGNATION: CIVIL ENGINEER  
 REGISTERED NO.: M-3492

**CERTIFICATE BY OWNER**

WE, THE UNDERSIGNED, OWNERS OF THE ABOVE STRUCTURE, DO HEREBY CERTIFY THAT THE STRUCTURE HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION DETAILS AS PROVIDED IN THE DRAWINGS AND IS SAFE FOR THE INTENDED USE AND SERVICE LIFE OF THE BUILDING.

SIGNED BY: *S. Mondal*  
 NAME: S. MONDAL  
 DESIGNATION: CHAIRMAN  
 REGISTERED NO.: M-3492

**OWNER'S NAME: CHAIRMAN**


**STRUCTURAL DRAWING FOR CIVIL STORED BUILDING AT HOLDING NO.-15, JUNGALPORE WARD NO. 17 (OLD-16), AT P.S. DAG NO.-85, I.P. DAG NO.-93, P.S. KHATTAN NO. 120, I.P. KHATTAN NO.-51, PL. NO. 11, IN M.O.U.A. -JUNGALPORE, P.S. AIRPORT, DIST.-24 PGS. (N) UNDER NORTH DUMDUM MUNICIPALITY.**


**APPROVED**

Plan No. 499 of 2011 of 2012  
Permission Granted for the Construction of  
Masonry Building & Sanitary Privy as  
Specified in the Plan and Subject to the  
Condition as annexed herewith

HOLDING NO. 156  
Junglepur Road  
WARD NO 17

Valid for three years from the date  
of sanction if not renewed the plan  
will be treated as cancelled.  
sanitary privy must be provided with  
chlorination chamber & soak pit

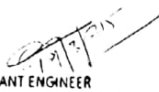
  
ASSISTANT ENGINEER  
NORTH DUM DUM MUNICIPALITY


  
Chairman 29/3/2011  
North Dum Dum Municipality



**RENEWED**

THE PLAN RENEWED FOR FURTHER TWO  
YEARS NO RENEWAL WILL BE GIVEN  
AFTER THE EXPIRY OF THAT TWO YEARS

  
ASSISTANT ENGINEER  
North Dum Dum Municipality

  
Chairman 29/3/2011  
North Dum Dum Municipality

