

SCHEDULE OF SLAB REINFORCEMENT

| SLAB MKD | THICK (MM) | SHORTER SPAN | LONGER SPAN |
|----------|------------|--|-------------|
| S1 | 140 | 8% @ 125CC | 8% @ 150CC |
| S3 | 125 | 8% @ 100CC | 8% @ 200CC |
| S3 | 200 | 12% @ 125CC | 12% @ 200CC |
| S4 | 225 | 12% @ 100CC | 12% @ 150CC |
| S5 | 150 | 10% @ 150CC | 10% @ 200CC |
| ST1 | 225 | 16% @ 150CC (MAIN) WITH 10% @ 200CC (DIST) | |
| ST2 | 225 | 16% @ 150CC (MAIN) WITH 10% @ 200CC (DIST) | |

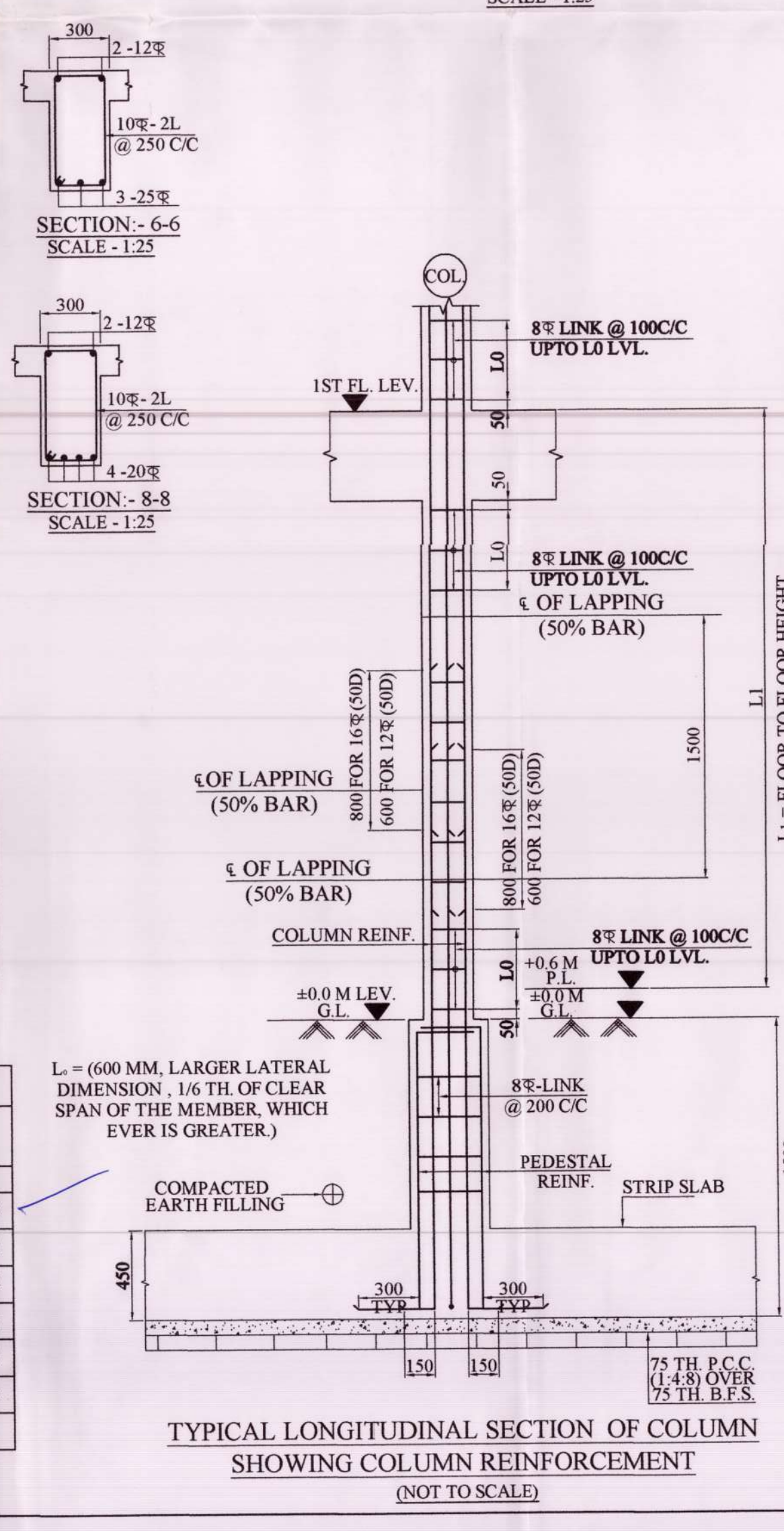
8% 200 DISTRIBUTOR BAR ADDED WHEREVER REQUIRED

SCHEDULE OF FOUNDATION BEAM

| BEAM MKD | BEAM SIZE | MAIN REINFORCEMENT | | | | STIRRUPS | |
|----------|-----------|--------------------|-------|---------------|-------------------|-------------------|--|
| | | CONT. SUPP. | SPAN | DISCON. SUPP. | SUPPORT | SPAN | |
| FB1 | 500x800 | 5-20 | 8-20 | 5-20 | 12% - 4L @ 100 CC | 12% - 4L @ 250 CC | |
| FB2 | 500x800 | 5-20 | 9-20 | 5-20 | 12% - 4L @ 100 CC | 12% - 4L @ 250 CC | |
| FB3 | 500x800 | 6-20 | 14-20 | 6-20 | 12% - 4L @ 100 CC | 12% - 4L @ 250 CC | |
| FB4 | 400x800 | 3-16 | | ALTH. | 10% - 4L @ 100 CC | 10% - 4L @ 250 CC | |
| FB5 | 400x800 | 3-20 | 4-20 | 3-20 | 10% - 4L @ 100 CC | 10% - 4L @ 250 CC | |

SCHEDULE OF BEAM

| BEAM MKD | BEAM SIZE | MAIN REINFORCEMENT | | | | STIRRUPS | |
|----------|-----------|--------------------|------|---------------|-------------------|-------------------|--|
| | | CONT. SUPP. | SPAN | DISCON. SUPP. | SUPPORT | SPAN | |
| B1 | 300 x 600 | 2-12 | 2-25 | 2-12 | 10% - 2L @ 100 CC | 10% - 2L @ 250 CC | |
| B2 | 250 x 600 | 2-12 | 2-16 | 2-12 | 8% - 2L @ 100 CC | 8% - 2L @ 250 CC | |
| B3 | 300 x 600 | 2-12 | 2-20 | 2-12 | 10% - 2L @ 100 CC | 10% - 2L @ 250 CC | |
| B4 | 300 x 600 | 2-12 | 2-16 | 2-12 | 8% - 2L @ 100 CC | 8% - 2L @ 250 CC | |
| B5 | 300 x 600 | 2-12 | 2-20 | 2-12 | 8% - 2L @ 100 CC | 8% - 2L @ 250 CC | |
| B6 | 300 x 600 | 2-12 | 2-20 | 2-12 | 8% - 2L @ 100 CC | 8% - 2L @ 250 CC | |
| B7 | 150 x 600 | 2-16 | 2-16 | ALTH. | 8% - 2L @ 150 CC | | |



THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING NO. CPK/SRACHI/BURDWAMAN BDA OFFICE/CORP/1701 SHEET NO. 01.

NOTES:-
 STRUCTURAL DESIGN HAS BEEN DONE CONSIDERING LIGHT WEIGHT AAC BLOCK (UNIT DENSITY LESS THAN 500 TO 600 KG/CUM).

CURTAINMENT RULE FOR COLUMN MAIN BAR:-
 1) NOT MORE THAN 50% BAR TO CURTAL AT THE SAME LEVEL.
 2) NO CURTALMENT OF COLUMN BAR AT BEAM COLUMN JUNCTION.
 3) CURTALMENT SHALL BE DONE IN SYMMETRIC AND STAGGERED MANNER.
 4) CONFINING REINFORCEMENT SHALL BE CONTAINED FOR THE ENTIRE LAP ZONE.
 5) "n" SHALL BE MAXIMUM OF -
 a) LARGEST LATERAL DAMNATION OF COLUMN SECTION
 b) H/6
 c) 450 MM
 6) AT LEAST HALF OF SPECIAL CONFINING REINF. PROVIDED AT TWO ENDS OF THE COLUMN SHALL BE PROVIDED AT THIS BEAM COLUMN JUNCTION.

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES
- ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED
- ROAD CREST LEVEL IS TAKEN AS +0.00 LEV.
- CLEAR COVER TO MAIN REINFORCEMENT:-
 a) FOUNDATION - 50 MM, b) COLUMN - 40 MM, c) THE BEAM - 50 MM, d) SLAB - 20 MM, e) BEAM - 25 MM.
- LAP / ANCHORAGE LENGTH SHOULD BE GENERALLY 50D, (D = DIA OF BAR)
- INDICATES COLD TWISTED DEFORMED BAR AS PER IS 1786
- GRADE OF CONCRETE - M30
- GRADE OF STEEL - Fe50
- READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING
- ALL SORTS OF PRECAUTIONARY MEASURES WILL BE TAKEN AT THE TIME OF CONSTRUCTION.
- ALLOWABLE BEARING CAPACITY OF SOIL - 8.5 T/SQM. FOR BOTHWAY STRIP FOUNDATION.

SIGNATURE OF ARCHITECT

CERTIFICATE OF STRUCTURAL ENGINEER
 THE STRUCTURAL DESIGN AND DRAWING OF BOTH FDN AND SUPERSTRUCTURE OF THE BLDG. HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER THE NBC OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS.

CHANDI PRASAD KHANRA
 BE (CIVIL), ME (STRUCT.), MIE (INDIA)
 ISS - 12

SIGNATURE OF STRUCTURAL ENGINEER

BURDWAN DEVELOPMENT AUTHORITY

DEVELOPER
 SURACHI BURDWAN DEVELOPERS PVT. LTD.

PROJECT :-
 PROPOSED G+3 STORIED COMMERCIAL BUILDING AT RENAISSANCE SATELLITE TOWNSHIP AT MOUZAS GODA, ANTRAPOTA, ISUFABAD, NABABHAT IN P.S. AND DIST. BURDWAN (LAND) WESTBENGAL

TITLE: FOUNDATION, THE BEAM, FLOOR BEAM & SLAB LAYOUT PLAN WITH TYPICAL DETAILS & SCHEDULES.

DEALT BY: CKD BY: DATE: SCALE: REV. NO.: SHEET NO.:
 PROBhat ABHISHEK 20-08-18 1:100/25 00 02

DRG. NO. :- CPK/SRACHI/BURDWAMAN BDA OFFICE/CORP/1701

STRUCTURAL CONSULTANT
 CHANDI PRASAD KHANRA
 MOBILE NO. - 9830362095

NORTH AS PER SITE

VETTED AND APPROVED

Dr. Subhrajit Ghosh
 Professor
 Department of Construction Engineering
 Jadavpur University

Prasanna Kumar Ghosh
 Geotechnical Engineer
 (REGISTERED IN I.S. 8000)