

**SCHEDULE OF THE BEAM**

BEAM M.K.O.	BEAM SIZE	ALTHOUGH REINFORCEMENT	EXTRA REINFORCEMENT	STIRRUPS
1B1	250 X 350	TOP 2-16#T	EXTRA TOP 2-12#T	AT SUPPORT 8#T @ 125 C/C.
1B2	250 X 350	TOP 2-16#T	EXTRA TOP 2-12#T	AT SPAN 8#T @ 175 C/C.
1B3	250 X 350	TOP 2-16#T	EXTRA TOP 2-12#T	AT SPAN 8#T @ 175 C/C.
1B4	250 X 350	TOP 2-16#T	EXTRA TOP 2-12#T	AT SPAN 8#T @ 175 C/C.
1B5	250 X 350	TOP 2-16#T	EXTRA TOP 2-12#T	AT SPAN 8#T @ 175 C/C.
1B6	250 X 350	TOP 2-16#T	EXTRA TOP 2-12#T	AT SPAN 8#T @ 175 C/C.
1B7	250 X 350	TOP 2-16#T	EXTRA TOP 2-12#T	AT SPAN 8#T @ 175 C/C.
1B8	250 X 350	TOP 2-16#T	EXTRA TOP 2-12#T	AT SPAN 8#T @ 175 C/C.
1B9	250 X 350	TOP 2-16#T	EXTRA TOP 2-12#T	AT SPAN 8#T @ 175 C/C.
1B10	250 X 350	TOP 2-16#T	EXTRA TOP 2-12#T	AT SPAN 8#T @ 175 C/C.
1B11	250 X 350	TOP 2-16#T	EXTRA TOP 2-12#T	AT SPAN 8#T @ 175 C/C.

**SCHEDULE OF FOUNDATION**

FOUNDATION TYPE	FOUNDATION SIZE ΔX x ΔZ	BASE DEPTH D	REINFORCEMENT ΔX-Direction ΔZ-Direction	DEPTH OF FOUNDATION (-) 2000 FROM NGL.
F-4	AS PER PLAN	400	12#T @ 150 C/C. AT BOTTOM 150 C/C. AT TOP	12#T @ 150 C/C. AT BOTTOM 150 C/C. AT TOP

**SCHEDULE OF TYPICAL FLOOR BEAM**

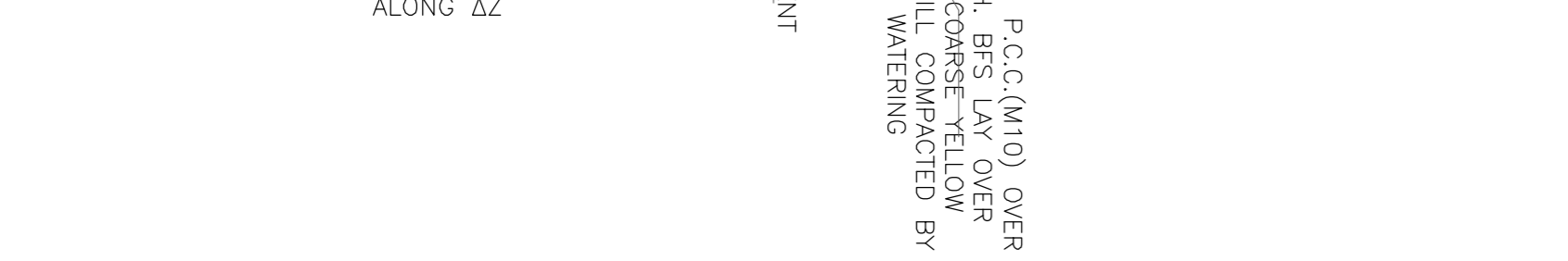
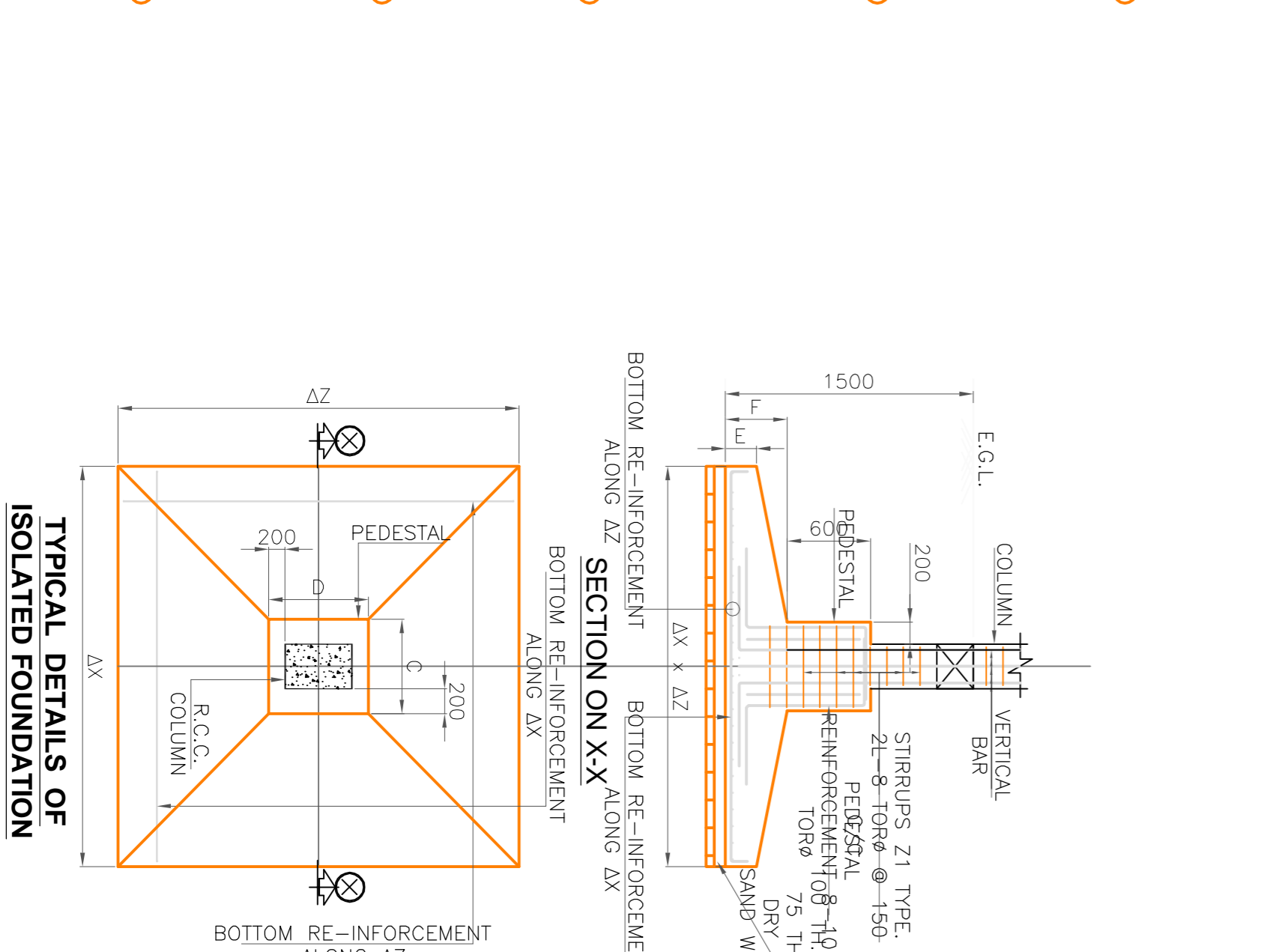
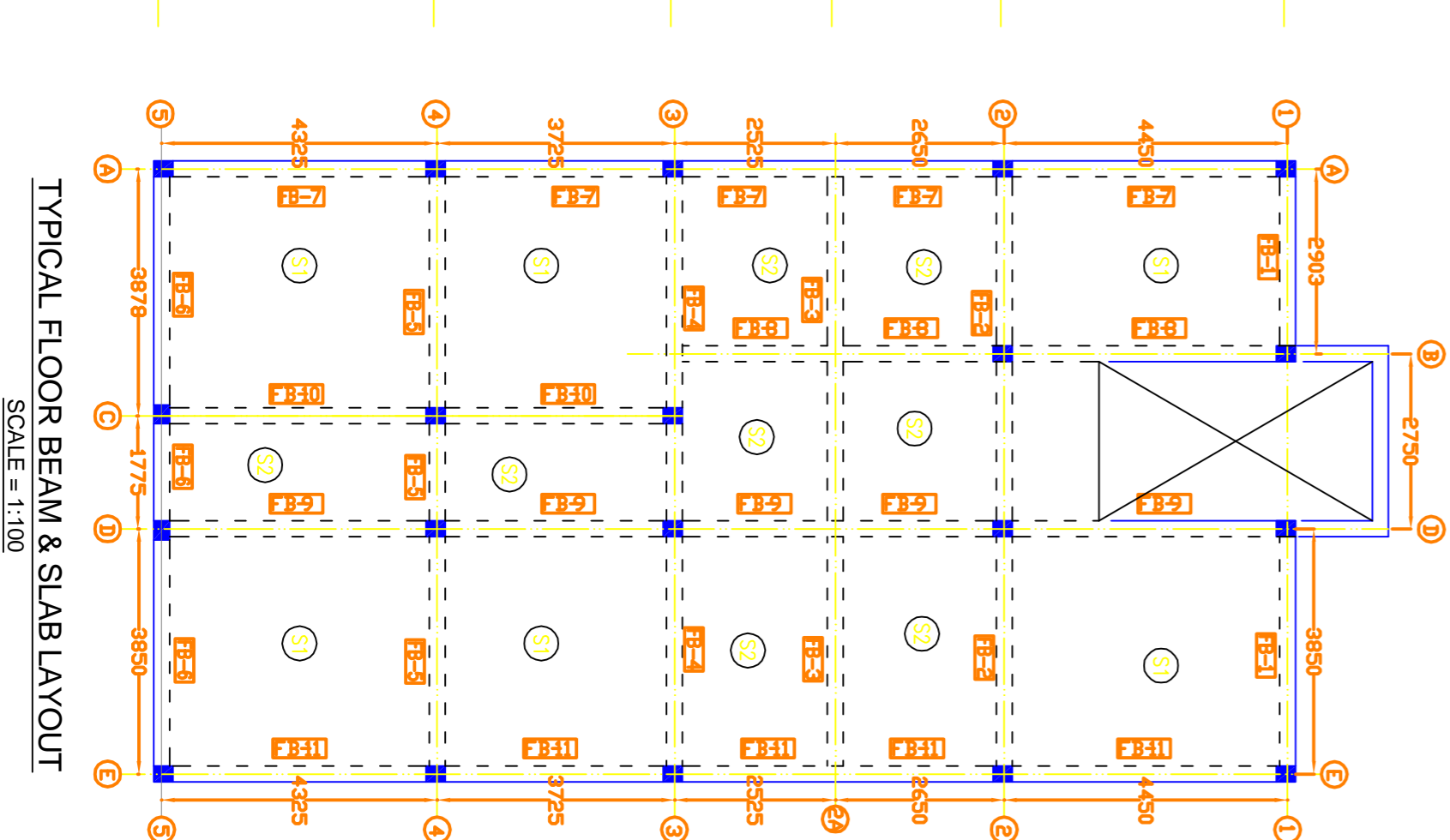
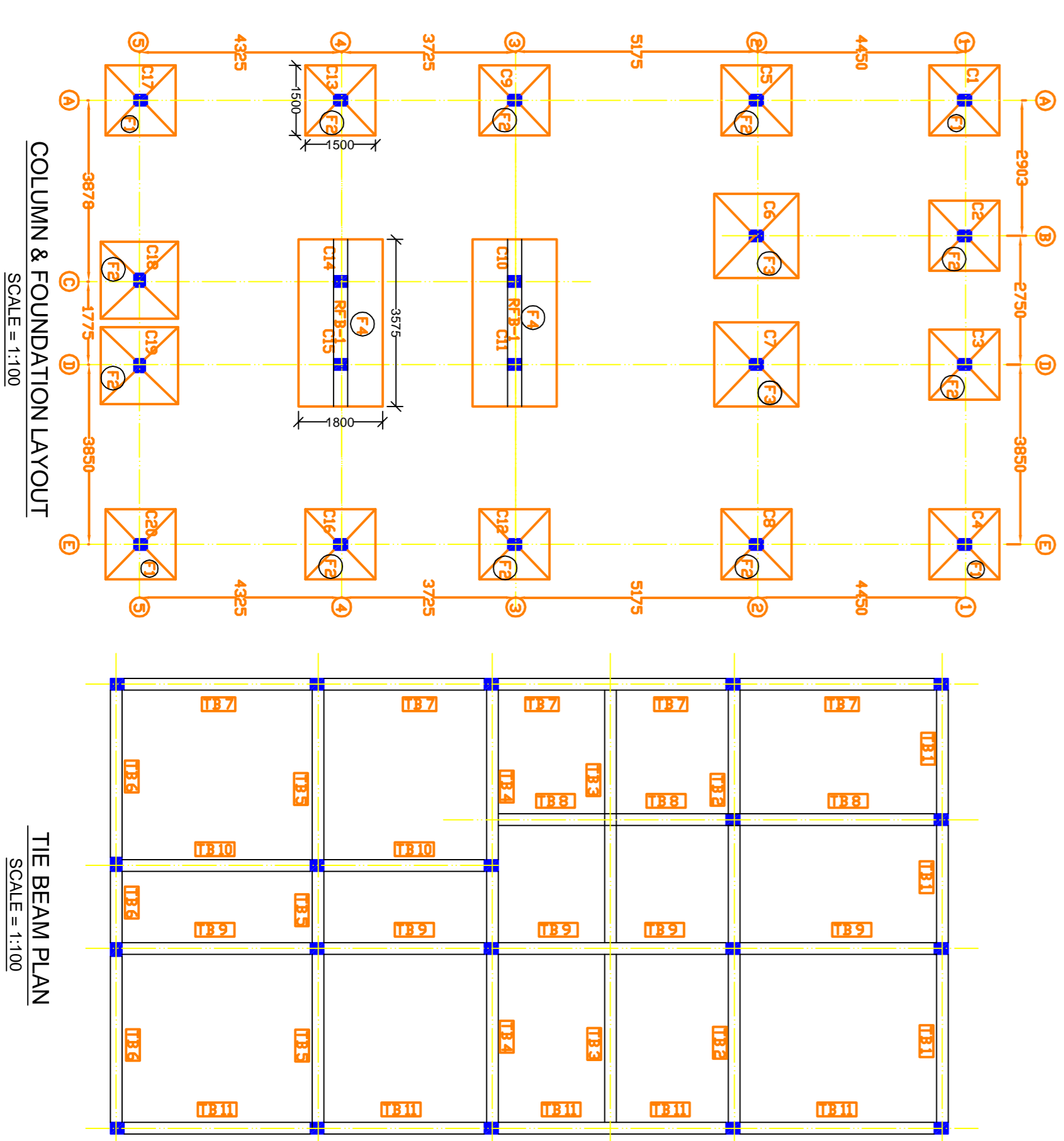
BEAM M.K.O.	BEAM SIZE	ALTHOUGH REINFORCEMENT	EXTRA REINFORCEMENT	STIRRUPS
FB1	250 X 350	TOP 3-16#T	EXTRA TOP 2-12#T	AT SUPPORT 8#T @ 125 C/C. 8#T @ 175 C/C.
FB2	250 X 350	TOP 2-16#T	EXTRA TOP 2-12#T	AT SUPPORT 8#T @ 125 C/C. 8#T @ 175 C/C.
FB3	250 X 350	TOP 3-16#T	EXTRA TOP 2-12#T	AT SUPPORT 8#T @ 125 C/C. 8#T @ 175 C/C.
FB4	250 X 350	TOP 3-16#T	EXTRA TOP 2-12#T	AT SUPPORT 8#T @ 125 C/C. 8#T @ 175 C/C.
FB5	250 X 350	TOP 3-16#T	EXTRA TOP 2-12#T	AT SUPPORT 8#T @ 125 C/C. 8#T @ 175 C/C.
FB6	250 X 350	TOP 3-16#T	EXTRA TOP 2-12#T	AT SUPPORT 8#T @ 125 C/C. 8#T @ 175 C/C.
FB7	250 X 350	TOP 3-16#T	EXTRA TOP 2-12#T	AT SUPPORT 8#T @ 125 C/C. 8#T @ 175 C/C.
FB8	250 X 350	TOP 3-16#T	EXTRA TOP 2-12#T	AT SUPPORT 8#T @ 125 C/C. 8#T @ 175 C/C.
FB9	250 X 350	TOP 3-16#T	EXTRA TOP 2-12#T	AT SUPPORT 8#T @ 125 C/C. 8#T @ 175 C/C.
FB10	250 X 350	TOP 3-16#T	EXTRA TOP 2-12#T	AT SUPPORT 8#T @ 125 C/C. 8#T @ 175 C/C.
FB11	250 X 350	TOP 3-16#T	EXTRA TOP 2-12#T	AT SUPPORT 8#T @ 125 C/C. 8#T @ 175 C/C.

**SCHEDULE OF FOUNDATION**

FOUNDATION TYPE	FOUNDATION SIZE ΔX x ΔZ	BASE DEPTH D	REINFORCEMENT AT ΔX ΔZ
F1	1600 X 1600	250	12#T @ 175 C/C. 12#T @ 175 C/C.
F2	1700 X 1700	300	12#T @ 175 C/C. 12#T @ 175 C/C.
F3	1900 X 1900	300	12#T @ 175 C/C. 12#T @ 175 C/C.

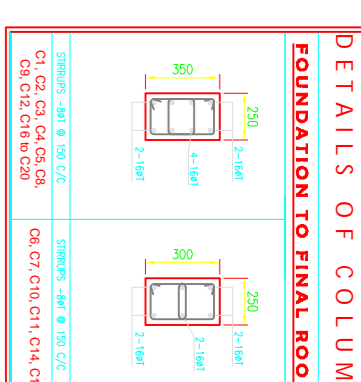
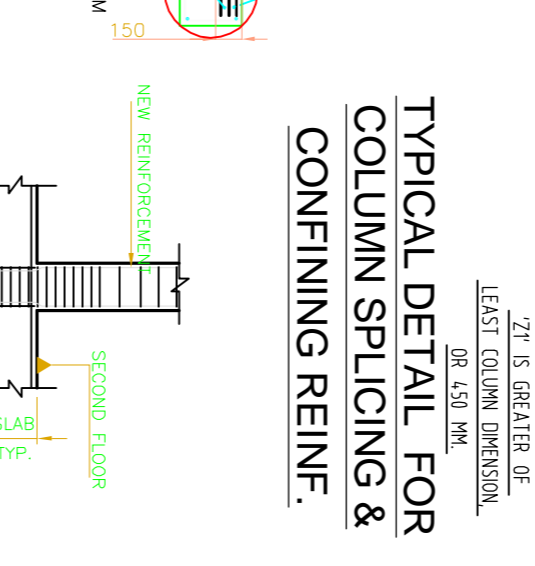
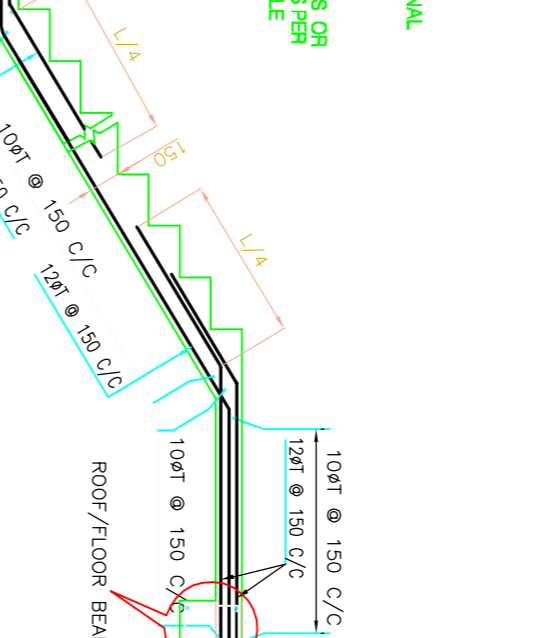
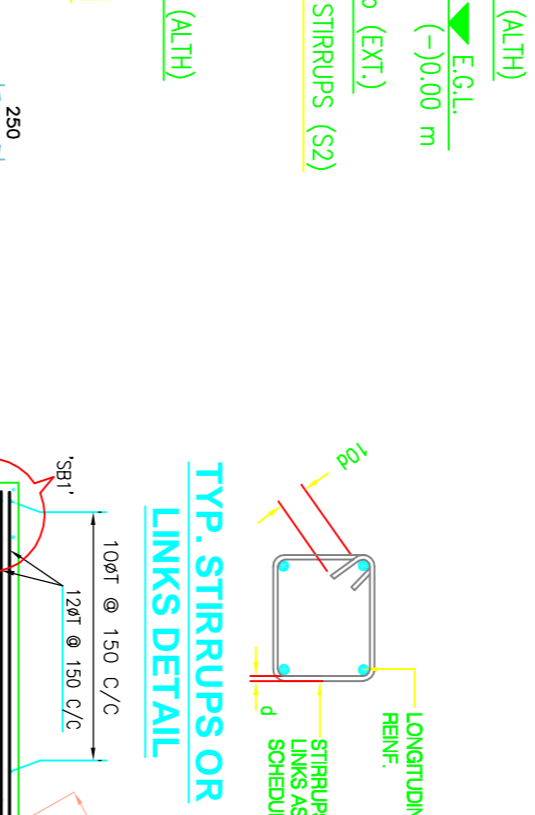
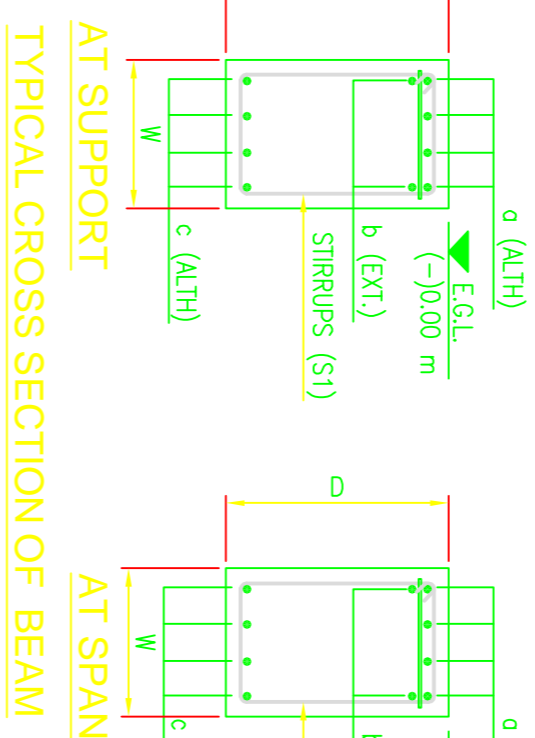
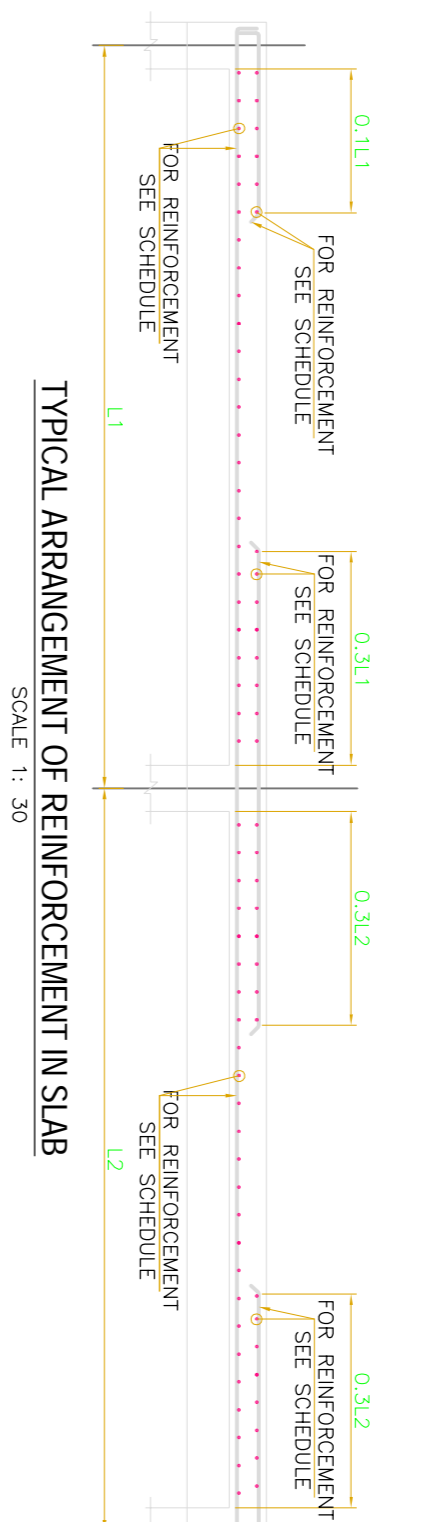
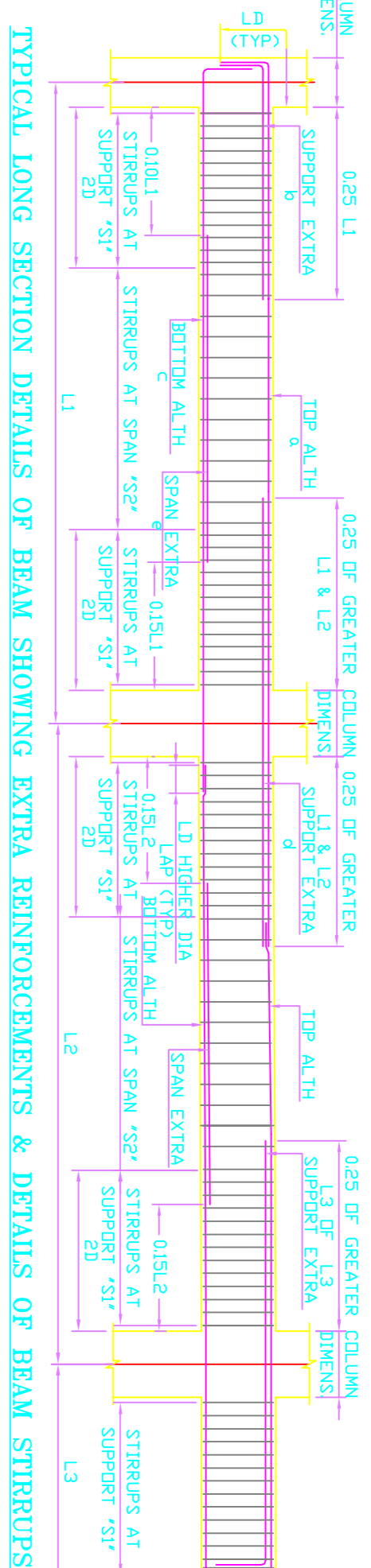
**SCHEDULE OF RAFT-BEAM**

BEAM M.K.O.	BEAM SIZE	ALTHOUGH REINFORCEMENT	EXTRA REINFORCEMENT	STIRRUPS
RFB-1	600 X 800	TOP 5-16#T	EXTRA TOP 5-16#T	4L-10#T @ 150 C/C



**SCHEDULE OF COLUMN**

FOUNDATION TYPE	FOUNDATION SIZE ΔX x ΔZ	BASE DEPTH D	REINFORCEMENT ΔX-Direction ΔZ-Direction	DEPTH OF FOUNDATION (-) 2000 FROM NGL.
F-4	AS PER PLAN	400	12#T @ 150 C/C. AT BOTTOM 150 C/C. AT TOP	12#T @ 150 C/C. AT BOTTOM 150 C/C. AT TOP



**NOTES:**

- 1) ALL DIMENSIONS & LEVELS ARE IN MM. OTHERWISE MENTIONED
- 2) ALL R.C.C. WORK SHALL PREFERABLY BE OF M25 GRADE FOR SUB-STRUCTURE & M20 FOR SUPER STRUCTURE.
- 3) T.M.T. REINFORCEMENT BAR (YIELD STRESS F<sub>y</sub> = 500 N/MM<sup>2</sup>) SHALL CONFORM TO IS:1786.
- 4) CLEAR COVER FOR FDN = 50MM, COLUMN = 40MM, BEAM = 25MM AND SLAB = 20MM.
- 5) STONE CHIPS SHALL BE 20 MM DOWN WELL GRADED.
- 6) ALL REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH DEFORMED BARS CONFORMING TO IS:1786.
- 7) LAPS TO BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50% BARS BE LAPPED AT ANY SECTION.
- 8) BENT LENGTH SHALL BE AS PER SP34 & IS 2502
- 9) DEVELOPMENT LENGTH 'L<sub>d</sub>' & LAP LENGTH SHALL BE TAKEN AS 50 X DIA OF THE BAR UNLESS SPECIFIED.
- 10) ALL CONSTRUCTION WORK SHALL BE EXECUTED IN ACCORDANCE WITH RELEVANT IS CODES.
- 11) 5-16#T MEANS 5 NOS BAR OF 16MM DIA. T.M.T./HNSD BAR.
- 12) ANY DISCREPANCY IN DRG. SHOULD BE BROUGHT TO THE NOTICE OF DESIGNERS IMMEDIATELY.
- 13) ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS OTHERWISE STATED.
- 14) 4+00 LEV. REFERS TO F.G.L.
- 15) ALL 'L' BENDS OF REINFORCEMENT ARE 300mm (MIN).
- 16) VIBRATOR SHALL BE DONE PROPERLY COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
- 17) THIS DRAWING SHOULD BE READ ALONG WITH THE CORRESPONDING ARCHITECTURAL DRAWING.

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF OWNER

SIGNATURE OF L.B.S.

STRUCTURAL PLAN FOR TWO STORED RESIDENTIAL BUILDING OF (1) SRIBJAY KUMAR BARNWAL, S/O SRI BIRENDRA BARNWAL, AT COURT ROAD, JAMTARA, UNDER JAMTARA NAGAR PANCHAYET, DIST. - JAMTARA.

WARD NO.- 13

THANA NO.- 06

MOUZA- JAMTARA

PLOT NO.- 3370/A/2

KHATTIAN NO. - 4087/KA

DRAWING TITLE: STRUCTURAL GA DRAWINGS AND REINFORCEMENT DETAILS

SCALE - 1: 100 OR AS SHOWN

DATE - 22.09.2018

SHEET NO. - 1 OF 1 SHEET SIZE - A1

