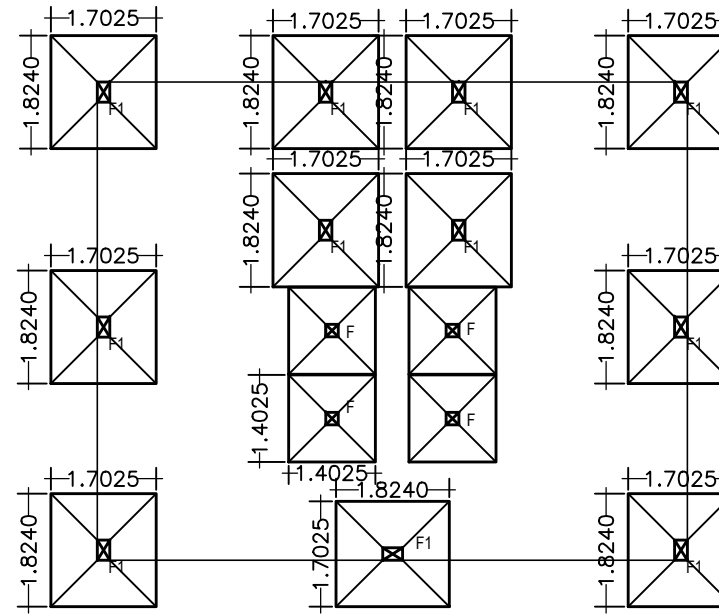
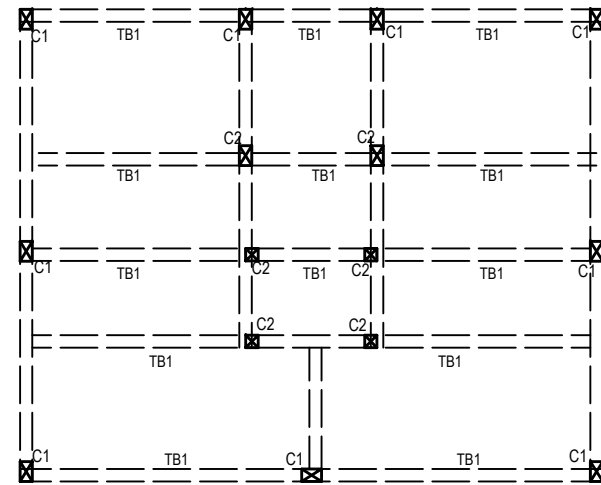


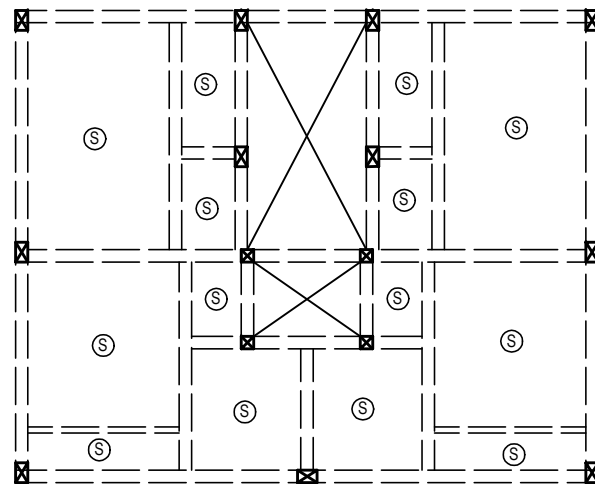
COLUMN CENTRELINE PLAN



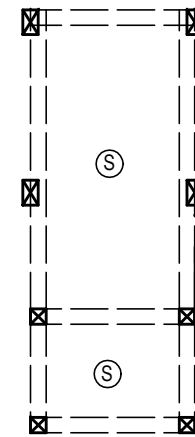
FOOTING LAYOUT PLAN



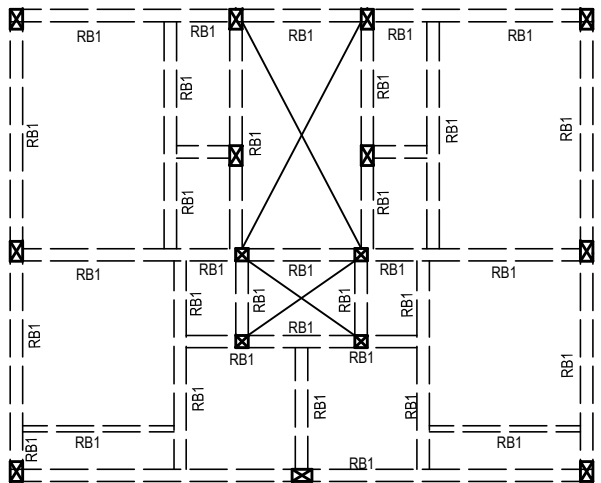
TIE BEAM LAYOUT PLAN



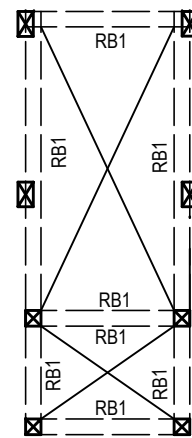
SLAB LAYOUT PLAN



MUMTY & LIFT SLAB LAY OUT



ROOF BEAM LAYOUT PLAN



MUMTY & LIFT ROOF BEAM

[GENERAL]

- [1] ALL DIMENSIONS ARE IN FEET AND INCH. UNLESS OTHERWISE MENTIONED.
 - [2] ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED NEITHER THE BARS SHALL BE COUNTED NOR THE DIMENSIONS SCALED FROM THE DRG.
 - [3] ANY DISCREPANCY IN THE DRGS SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT/CONSULTANT AND CLARIFICATION OBTAINED IN WRITING PRIOR TO EXECUTION OF WORK.
 - [4] HIGH YIELD STRENGTH DEFORMED BARS OF YIELD STRESS 500 NMM² (Fe-500) WHICH SHALL CONFORM TO 1786-1985 SHALL BE USED AS REINFORCEMENT
 - [5] CLEAR COVER OF OUTER LAYER REINF. SHALL BE AS FOLLOWS. (a) FOUNDATION = 50 mm. (b) COLUMN = 40 mm. (c) BEAM = 40mm. OR DIA OF BAR WHICHEVER IS MORE (d) SLAB = 15 mm. (e) WAIST SLAB = 25 mm.
 - [6] END/SIDE COVER OF ALL REINFORCEMENT IN BEAMS & SLAB = 25 mm. OR DIA OF BAR WHICHEVER IS MORE
 - [7] THE COVER BLOCK OF CEMENT MORTAR SHALL BE USED TO ENSURE THE REQD. COVER OF REINF.
 - [8] DEVELOPMENT LENGTH SHALL BE 50D WHERE D IS THE DIAMETER OF BAR.
- [9] THE BUILDING HAS BEEN DESIGN FOR [10] CONC. MIX FOR R.C.C. WORK SHALL BE OF GRADE M - 20 CONFORMING TO I.S. 456 - 2000.
- [11] NECESSARY FIXTURE FOR ELECTRICAL, PLUMBING, ETC. SHALL BE PROVIDED IN SLAB, BEAMS BEFORE EXECUTION AS PER RELEVANT DRGS.
 - [12] THE STRUCTURE HAS BEEN DESIGNED FOR SEISMIC LOAD
 - [13] P.C.C (1:4:8) SHALL BE PROVIDED, OR AS PER SPECIFICATION MENTIONED IN ESTIMATE (BOQ)
 - [14] EXPANSION GAP SHALL BE PROVIDED ABOVE FOUNDATION RAFT LVL. TO TERRACE LVL. AT LOCATION MARKED ON PLAN. TERRACE LVL. AT LOCATION MARKED ON PLAN.
 - [15] ALL PLAIN CONCRETE & RCC SHALL BE STRICTLY IN ACCORDANCE WITH THE PROVISION OF IS - 456:2000. [15] CUTTING, BENDING, FIXING & PLACING OF BARS SHALL BE IN ACCORDANCE WITH IS - 2502:1968, IS - 5525:1969 & IS - 456:2000

[FOUNDATION]

- [1] THE LAYOUT PLAN OF BUILDING SHALL BE MATCHED FROM THE LATEST ARCH. DRG. BEFORE LAYOUT AT SITE.
- [2] THE DESIGN DATA FOR FOUNDATION HAS BEEN TAKEN FROM ARCHITECT AS (SBC=14 Ton/sqm) AT A DEPTH OF 2 meter FROM OGL.
- [3] SOIL BELOW FOUNDATION SHALL BE PROPERLY RAMMED & CONSOLIDATED BEFORE LAYING LEA CONCRETE.
- [4] A LAYER OF 75mm THK. PCC (1:4:8) SHALL BE PROVIDED BELOW THE FOUNDATIONS WITH 75MM PROJECTION ON ALL SIDES

[COLUMNS]

- [1] OVER LAPS ARE ALLOWED ONLY AT MIDDLE ZONE OF THE COLUMNS.
- [2] NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT A SECTION AND LAPS SHALL BE STAGGERED.
- [3] TIES IN PORTION OF COL. BELOW PLINTH BEAM SHALL BE SAME AS END ZONE.
- [4] VERTICAL BARS OF RCC COLUMN AT TOP SLAB SHALL BE EXTENDED UP TO TOP OF BEAM & BENT IN BEAM BY DEVELOPMENT LENGTH.

[BEAMS NOTES]

- (i) id- DEVELOPMENT LENGTH OF THE BARS SHALL BE AS PER TABLE.
- (ii) LENGTH (ld) SHALL BE TAKEN FOR THE BAR TO BE CURTAILED
- (iii) AT THE JUNCTION OF TWO NOS. OF THE BEAM, COMMON SUPPORT SHALL BE CONSIDERED AS FIRST SUPPORT FOR THE HIGHER NO OF BEAM WHILE SECOND SUPPORT FOR THE LOWER NO OF BEAM.
- (iv) AT THE LOCATION OF COMMON SUPPORT HIGHER OF THE REINFORCEMENT OF BOTH THE BEAMS SHALL BE ADOPTED.
- (v) IF THE REINFORCEMENT PROVIDED AT THE SUPPORT AT BOTTOM FACE IS MORE THAN THE REINFORCEMENT AT BOTTOM FACE AT MID SPAN, SAME CURTAILMENT RULE AS FOR TOP FACE REINFORCEMENT IS TO BE ADOPTED.
- (vi) IF REINFORCEMENT AT SUPPORT AT TOP FACE IS LESS THAN THE REINFORCEMENT AT TOP FACE AT TOP FACE AT MID SPAN, SAME CURTAILMENT RULE AS FOR BOTTOM FACE REINFORCEMENT IS TO BE ADOPTED.
- (vii) LOCATION OF BEAMS IN PLAN WITH RESPECT TO THE COLUMNS SHALL BE PROVIDED AS PER REQUIREMENT OF BRICK WALL ABOVE IT/AS PER ARCHITECTURAL REQUIREMENT.

[SLABS]

- [1] DOTTED LINES ARE SHOWN AS TOP FACE REINFORCEMENT AND FIRM LINES AS BOTTOM FACE REINFORCEMENT.
- [2] ALL TOP FACE REINF. AT CONTINUOUS EDGE OF SLAB SHALL BE CONTINUED UP TO L/3 OF SPAN & AT DISCONTINUOUS EDGE SHALL BE PROVIDED UP TO L/7 OF SPAN.
- [3] THE CROSS REINF. / TEMP. REINF. BELOW TOP REINF. OF SLAB i.e. #8@200 c/c IS TO BE PROVIDED JUST BELOW THE MAIN TOP STEEL WHICH HAS NOT BEEN SHOWN IN THE DRG.
- [4] THE FIRST MAIN BAR OF SLAB SHALL BE PLACED AT 80 mm. OR HALF THE SPACING SPECIFIED WHICHEVER IS LESS FROM THE FACE OF SUPPORT

[MASONRY WORK]

- [1] 115 TH (1/2 BRICK) WALL - 1:4 CEMENT: SAND MORTAR SHALL BE USED & #8, 1 NOS. BARS AT EVERY 4th COURSE SHALL BE PROVIDED
- [2] 250 TH (1 BRICK) WALL - 1:6 CEMENT: SAND MORTAR SHALL BE USED.
- [3] THE VERTICAL FACE OF CONCRETE AT JUNCTION OF WALL & RCC MEMBER SHALL BE RAKED TO GIVE GIVE A ROUGH SURFACE & 1:4 CEMENT: SAND MORTAR SHOULD BE APPLIED TO DEVELOPE BOND BETWEEN BRICK WALL & RCC MEMBER.

PROJECT:-

PLOT NO. 249(a), 249 (b)
 KHATA NO. 100
 WARD NO. 2
 THANA NO. 301,
 MOUZA : SERAIKELLA NAGAR PANCHAYAT
 ANCHAL : SERAIKELLA
 Dist- SERAIKELLA KHARSAWAN

CLIENT

DATE: 7.9.17	

DRG. NO. 01

STRUCTURAL WORKING DRAWING