

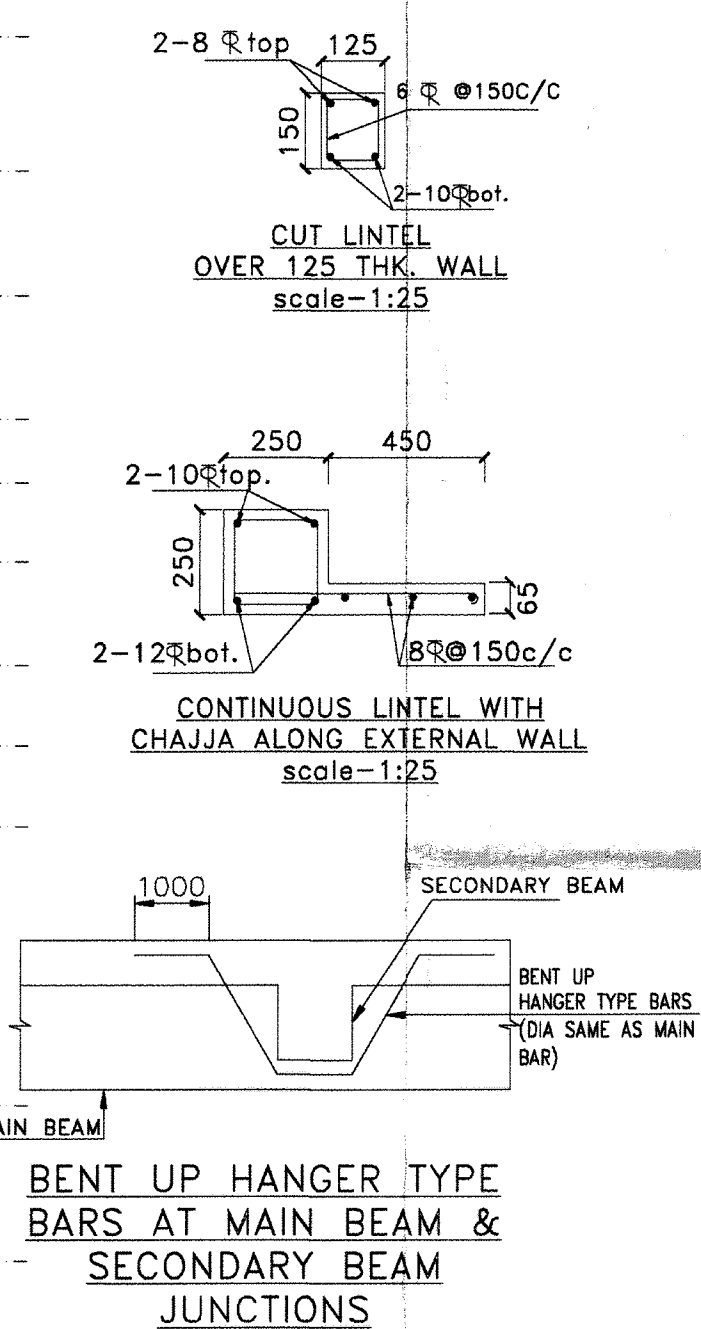


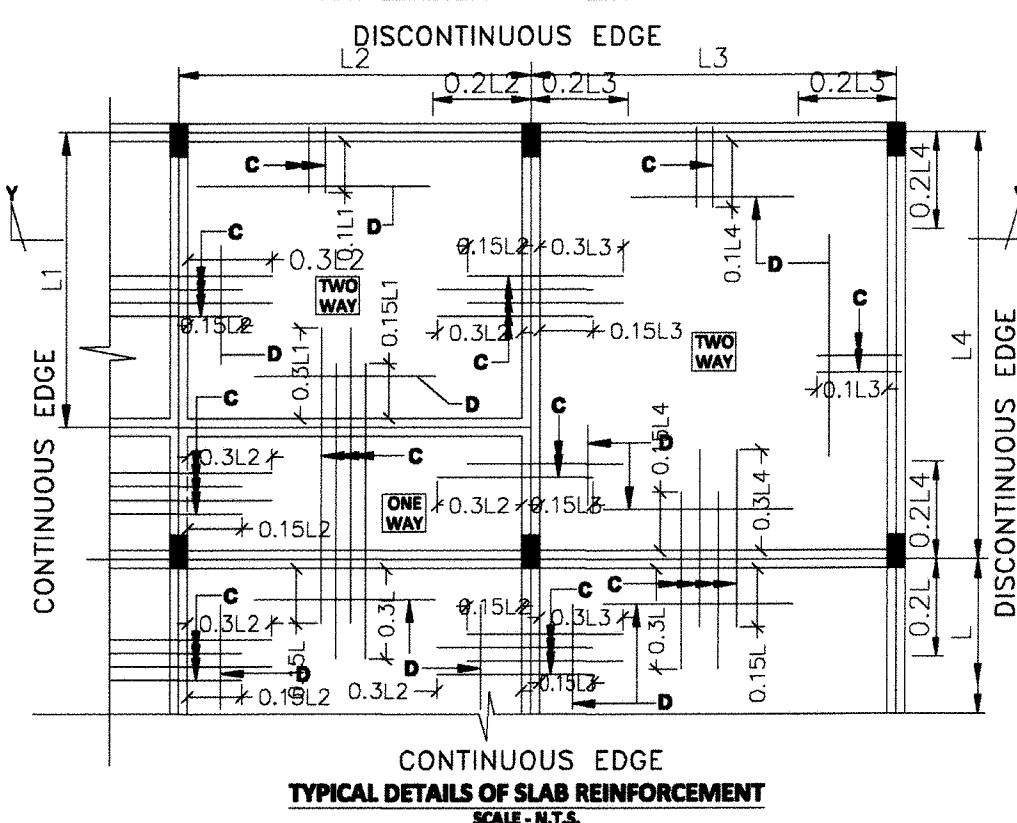
TABLE NO:-04 (SCHEDULE OF FLOOR BEAM)

TABLE NO:-07 (SCHEDULE OF GROUND FLOOR SLAB)

d = EFFECTIVE DEPTH OF BEAM
 L_d = DEVELOPMENT LENGTH IN TENSION
 d = DIAMETER OF LONGITUDINAL BAR

The diagram shows the required lap length (S) and development length (L_d) for reinforcement bars in a beam-column joint. Key dimensions include $0.25L_1$, 50 Max. , $0.25 \text{ of greater } L_1 \& L_2$, 50 Max. , $0.15L_1$, $0.15L_2$, and $2d$. A legend defines d as effective depth of beam, L_d as development length in tension, and d as diameter of longitudinal bar.

The diagram shows two cross-sections of a floor beam (FB1). The left section is labeled 'AT SUPPORT' and the right section is labeled 'AT SPAN'. Both sections have a total width 'B' and a total height 'D'. The top reinforcement is labeled 'a (ALTH.)' and the bottom reinforcement is labeled 'c (ALTH.)'. The left section shows stirrups labeled 'STIRRUPS (S1)' and the right section shows stirrups labeled 'STIRRUPS (S2)'. The right section also shows an additional reinforcement layer labeled 'e (EXT.)'.



SECTION - Y-Y
SCALE - N.T.S.

SIGNATURE OF DEVELOPER/OWNER:-

Approved Plan No. 55 on Meeting
 No. 06/2022-23 Date 23/08/2022
 Valid upto 15/12/2024
Mallika Jolas
 Pradhan
 Jallua Gram Panchayat


DR. S. N. MUKHERJEE
Professor
CIVIL ENGINEERING DEPT.
JADAVPUR UNIVERSITY
KOLKATA-700032, (W.B)

TYPICAL FLOOR ROOF BEAM LAYOUT
PLAN,SECTION DETAILS OF TYPICAL FLOOR
ROOF BEAM ,SCHEDULE OF TYPICAL FLOOR
ROOF BEAM,DETAILS OF SLAB,SECTION DETAILS
OF SLAB.

SCALE : 1:100, 1:50, 1:25, N.T.S

MANOJ MAITY
Civil / Geotechnical Engineer
CE, MGS - LMA278
Lic. No. LBPM/162/AMC
G.I.D.S., Durgapur - 18

SHEET NO:- GIDS/STRUC-04-04

