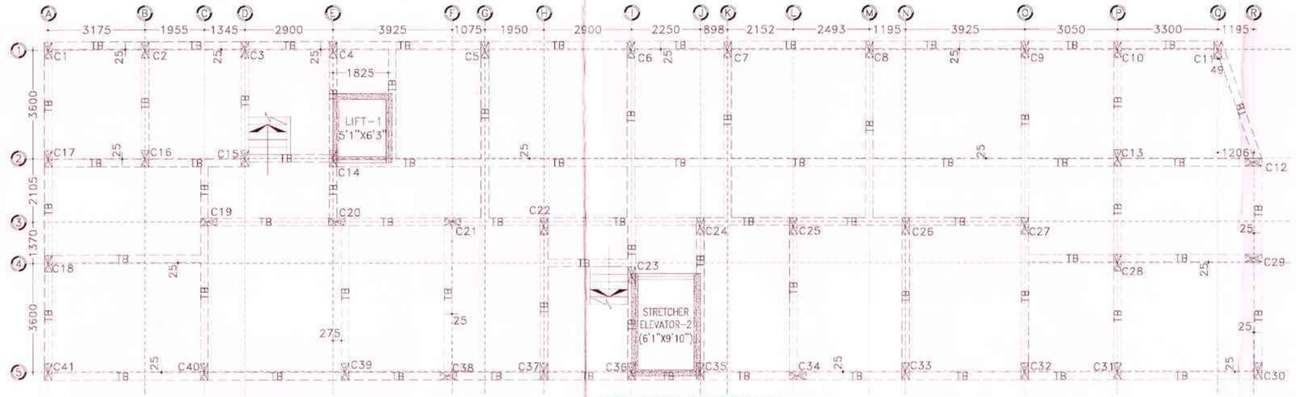
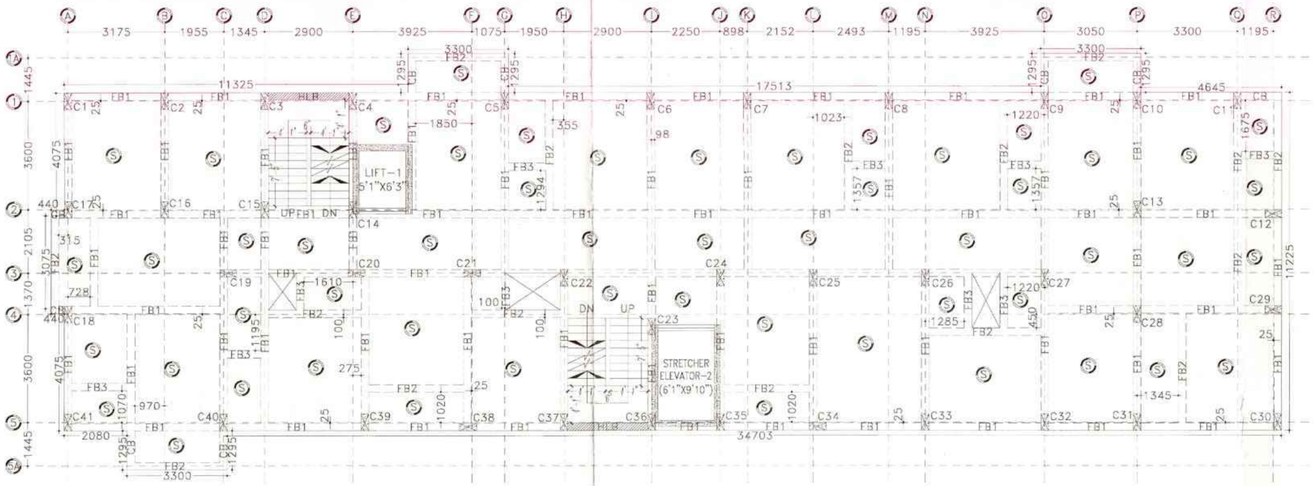
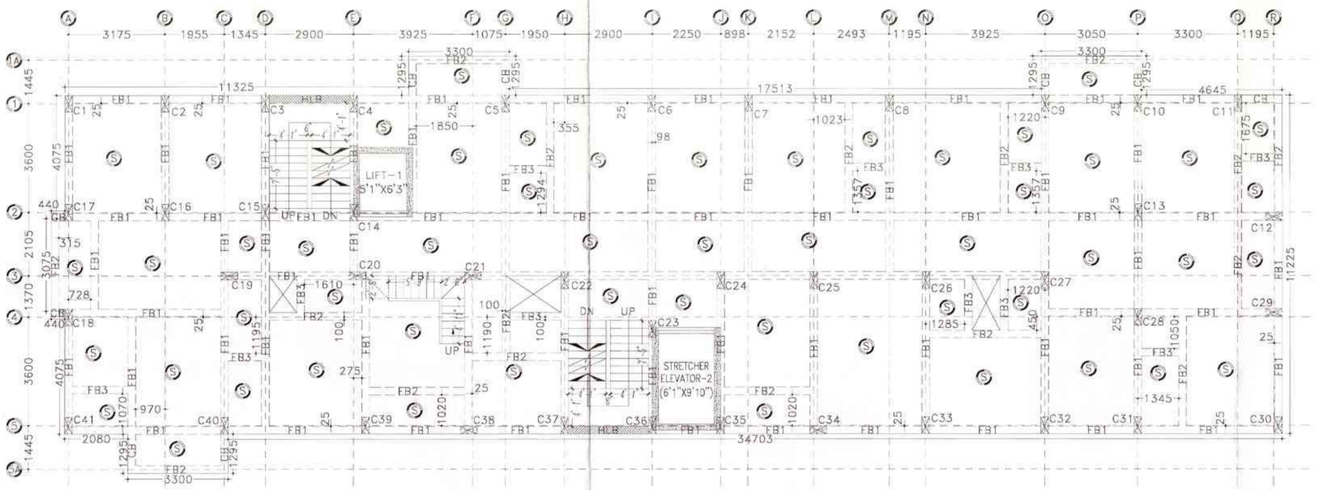


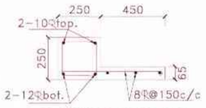
1 TIE BEAM LAYOUT PLAN
SCALE: 1:100



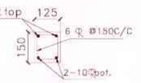
2 1ST TO 6TH FLOOR FRAMING LAYOUT PLAN
SCALE: 1:100



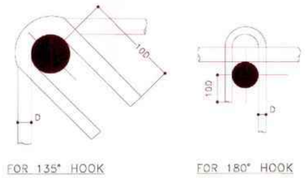
2A 7TH FLOOR FRAMING LAYOUT PLAN
SCALE: 1:100



CONTINUOUS LINTEL WITH CHAJJA ALONG EXTERNAL WALL
scale-1:25

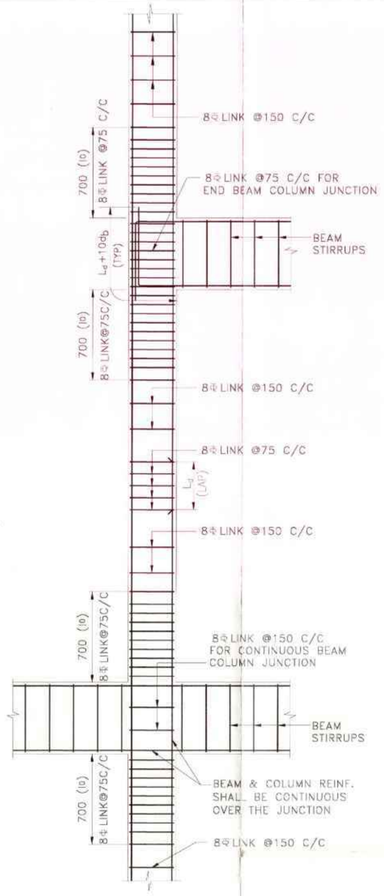


CUT LINTEL OVER 125 THK. WALL
scale-1:25



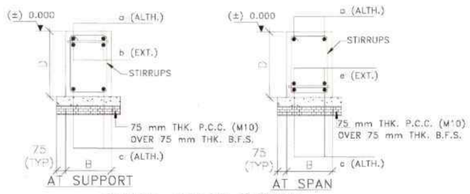
FOR 135° HOOK FOR 180° HOOK

TYP. DETAIL OF HOOK

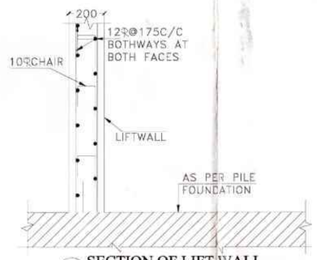


L_d = DEVELOPMENT LENGTH IN TENSION
d_b = DIAMETER OF LONGITUDINAL BAR

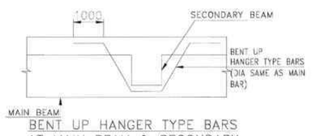
TYPICAL DETAIL OF BEAM COLUMN JUNCTION
SCALE N.T.S



TYPICAL CROSS SECTION OF TIE BEAM



3 SECTION OF LIFT WALL
SCALE: 1:25



BENT UP HANGER TYPE BARS AT MAIN BEAM & SECONDARY BEAM JUNCTIONS

Approved
Assistant Engineer
(P. & R.D.)
Bankura Zilla Parishad

District Engineer
Bankura Zilla Parishad

TABLE NO:-01 (SCHEDULE OF TIE BEAM)

Beam	Size		All Through		Ext. at End Supp. Top	Ext. at Span. Bott	Ext. at Cont. Supp. Top	S T I R R U P S	
Mkd	B	D	Top(a)	Bott.(c)	(b)	(e)	(b)	Support	Span
TB	250	450	2-20φ	2-20φ	2-20φ	2-20φ	2-20φ	2L-8φ@125C/C	2L-8φ@125C/C

SIGNATURE OF ARCHITECT:-
VAISHNAVI MAKARAND ATHALYE
CONSULTING ARCHITECT
CA/2018/101108

SIGNATURE OF GEO-TECHNICAL ENGINEER:-
MANOJ MAITY
Civil / Geotechnical Engineer
CE, MIGS - LM-278
Lic. No. LE-PM/162/AMC
G.D.S., Durgapur - 16

SIGNATURE OF STRUCTURAL ENGINEER:-
HIROK GHOSH
Structural Engineer
Lic No.- LE-PM/163/AMC-OMC/BPD/165
DCE, B.TECH, G.D.S, Durgapur-16
Contact No.- 9333233331

PROJECT NAME:-

STRUCTURAL DRAWING OF PROPOSED (G+8) NINE STORIED RESIDENTIAL BUILDING (BLOCK-04) OF SHRI. RAMPRASAD ADHIKARY, S/O MR. PARIMAL ADHIKARI, (DEVELOPED BY SHREE BUILDERS)
L.R. PLOT NO-208,209,210,212/707, L.R. KHATIAN NO-2219,907,
J.L.NO-210,MOUZA-SANBANDA, P. S - BANKURA, DIST-BANKURA,WEST BENGAL-722180.

NOTES :-

1. (±) 0.00 m LEVEL REFERS TO E.G.L.
2. UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
3. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER. EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS.AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH). HOWEVER ARCHITECTURAL DRAWING TO BE COORDINATED FOR ALL LEVELS.
4. ALL STRUCTURAL DRAWINGS SHALL BE READ ALONG WITH THIS DRAWING
AS WELL AS RELEVANT ARCHITECTURAL DRAWINGS.
5. ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
6. UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT. BARS OF GRADE Fe-500/500 D CONFORMING TO IS-1786-2008.
7. ADEQUATE CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
8. UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE DEVELOPMENT LENGTH=50xBAR DIA.
9. UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT
SHALL BE 8 T @ 250 C/C
10. CONCRETE COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:-
a)Beam:-25mm, b)Column:-40mm,
c)Slab:-15mm, d)Footing:-50mm,
e)R.C.C Wall:-20mm, f) Stair:- 20mm.
9. Grade of concrete will be M30 for column and M25 for beam and sub structure as per is: 456:2000.
10. Development length 50xD for lap & spices should be provided as per the provisions laid down in SP34:1987

SIGNATURE OF DEVELOPER/OWNER:-
SHREE BUILDERS
Partners

VETTED BY:-
16/8/22
DR. S. N. MUKHERJEE
Professor
CIVIL ENGINEERING DEPT.
JADAVPUR UNIVERSITY
KOLKATA-700032, (W.B)

TITLE:-
TIE BEAM LAYOUT PLAN,1ST TO 6TH FLOOR FRAMING LAYOUT PLAN,7TH FLOOR FRAMING LAYOUT PLAN,SCHEDULE OF TIE BEAM,TYP. CROSS SECTION OF TIE BEAM,SECTION OF LIFT WALL,TYP. CROSS SECTION OF TIE BEAM.

SCALE : 1:100, 1:50, 1:25, N.T.S
REV-00
DATE : 26.07.2022
SHEET NO:- GIDS/STRUC:-02-03