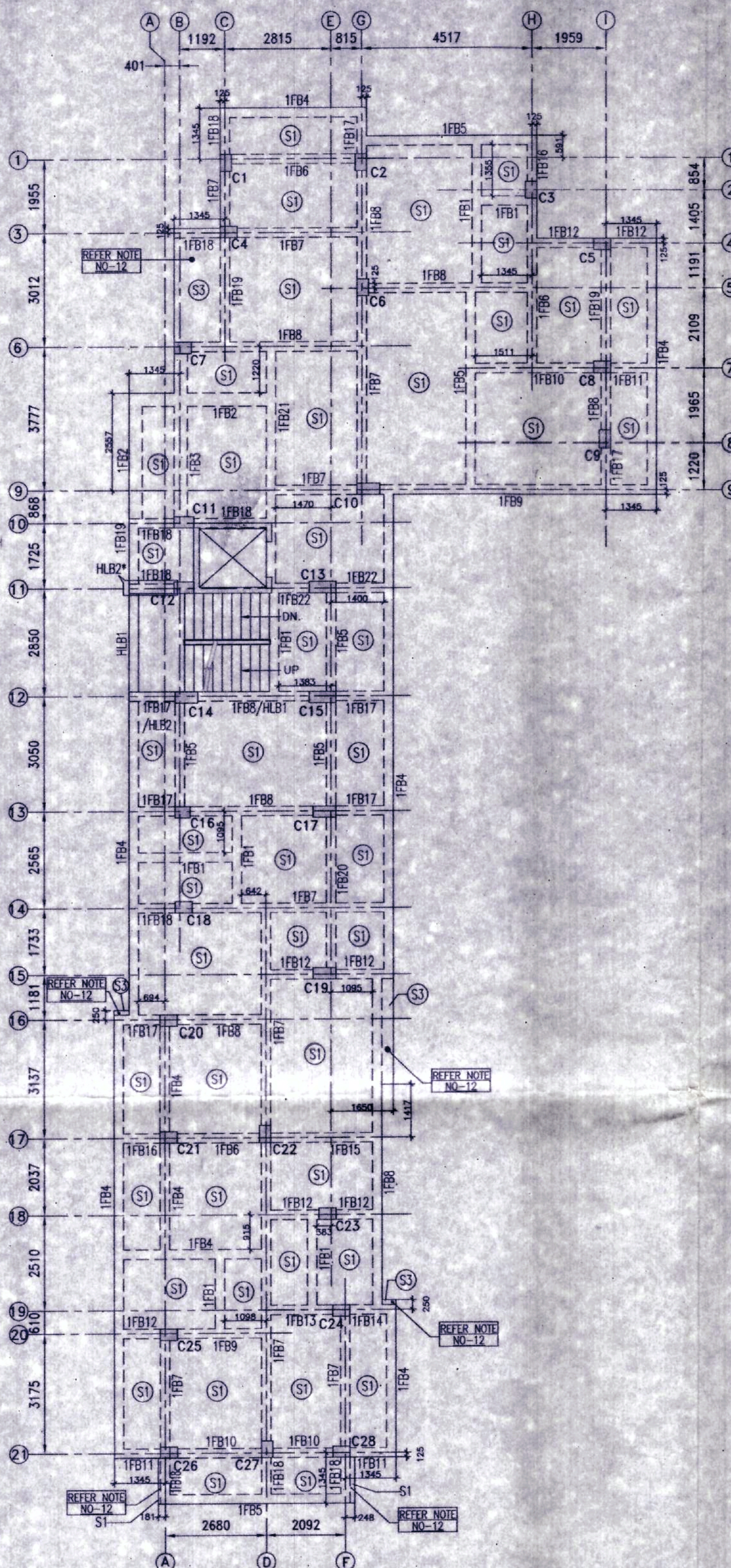
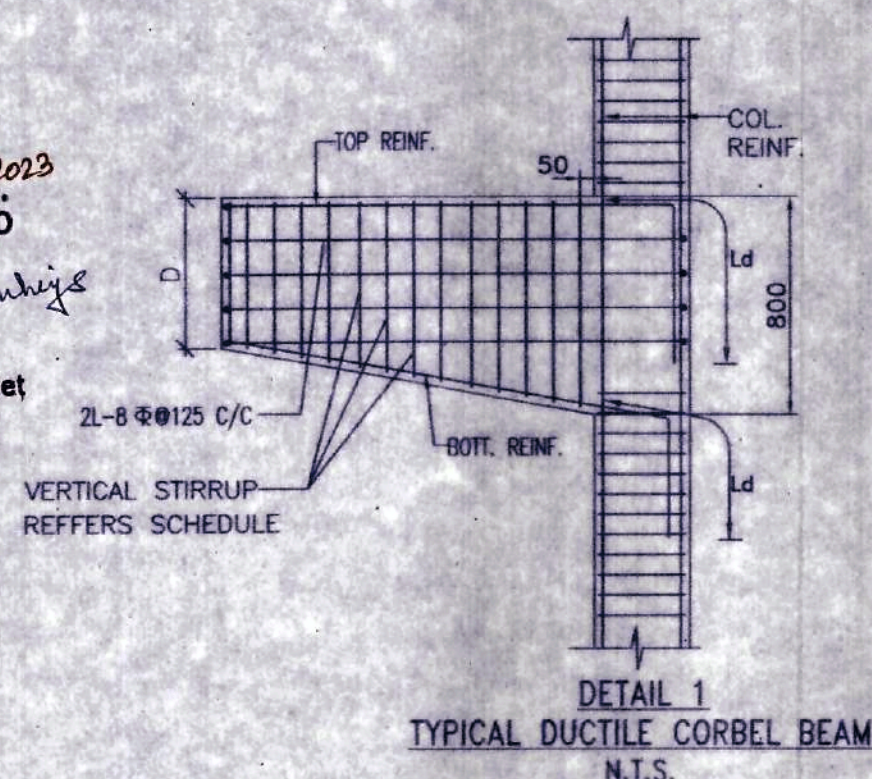




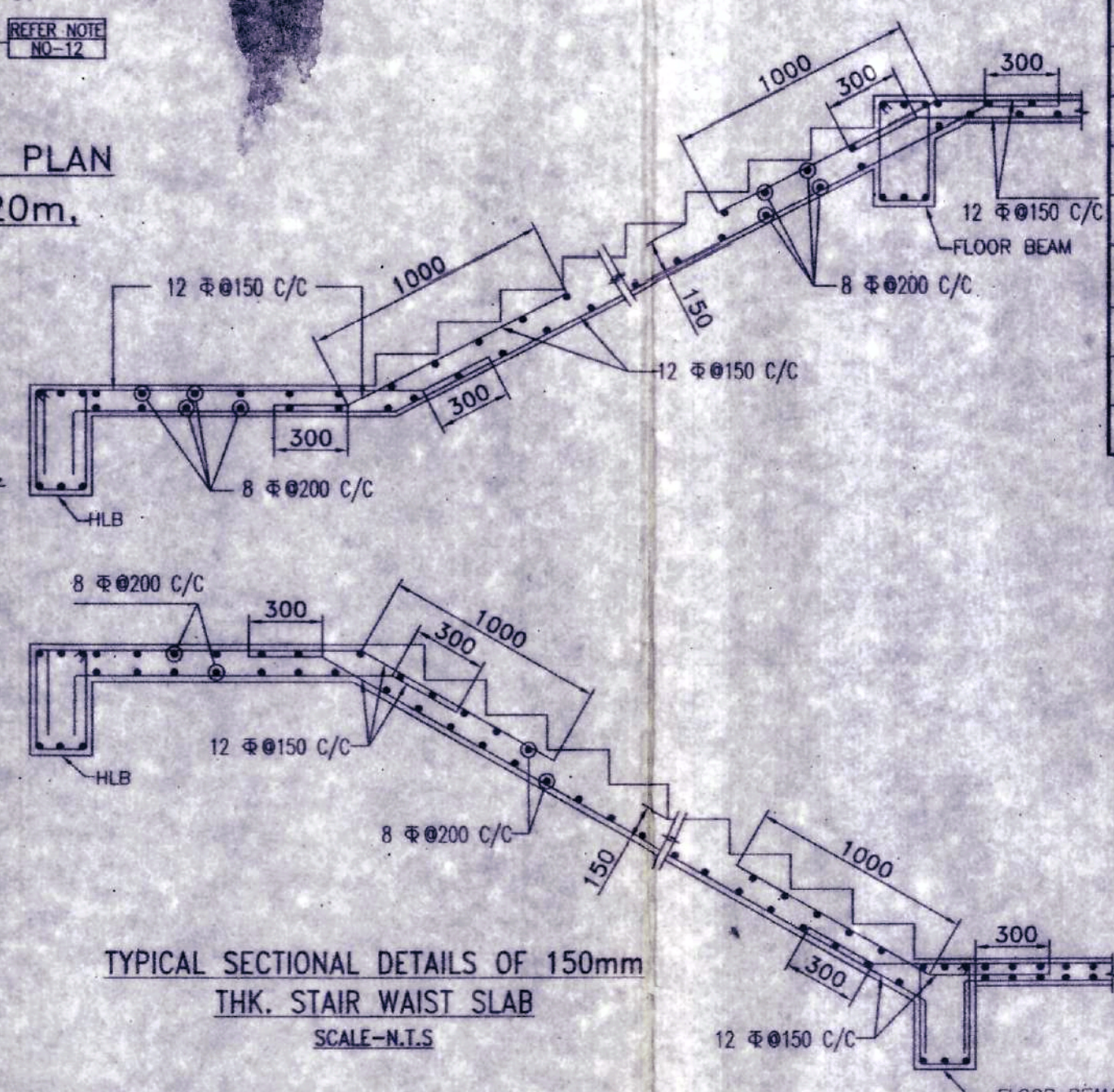
1ST. FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)3.050m.
 S1 MARKED SLABS ARE 115 mm THICK.
 S3 MARKED SLABS ARE 125 mm THICK.
 HLB REFERS TO HALF LANDING BEAM.
 FOR '*' MARKED BEAM REFER DETAIL-1.
 SCALE 1:100

APPROVED 205/1/2023
 Wide Memo No.205/1/2023
 OF PASCHIM BARDHAMAN ZILA PARISHAD
 Additional Executive Officer

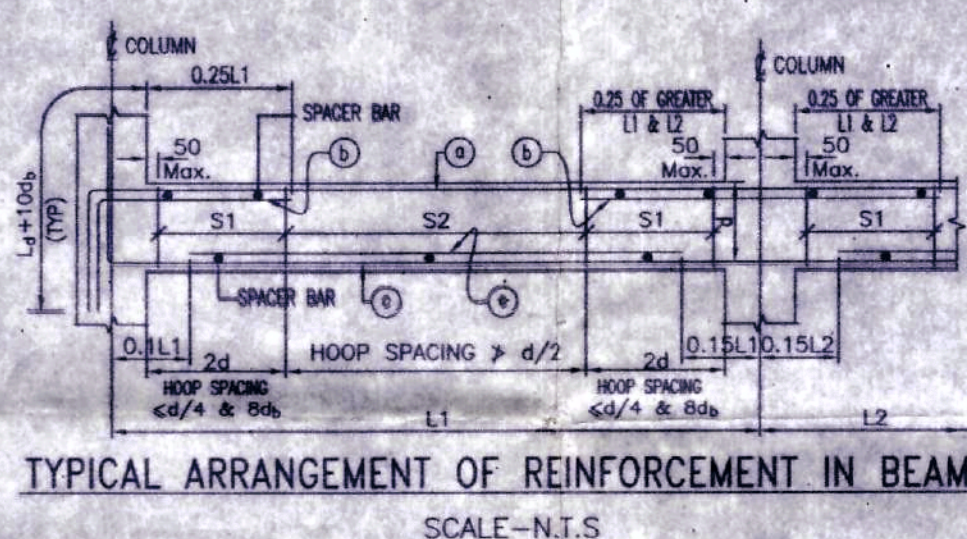
Pradhan
 Malandighi Gram Panchayet



TYPICAL FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVELS (+)6.10m, (+)9.15m, (+)12.20m, (+)15.25m, (+)18.30m.
 S1 MARKED SLABS ARE 115 mm THICK.
 S2 MARKED SLABS ARE 150 mm THICK.
 S3 MARKED SLABS ARE 125 mm THICK.
 HLB REFERS TO HALF LANDING BEAM.
 FOR '*' MARKED BEAM REFER DETAIL-1.
 SCALE 1:100



TYPICAL CROSS SECTION OF BEAM



SCHEDULE OF 1ST FLOOR BEAMS						
BEAM MARKED	BEAM SIZE	TOP REINFORCEMENT	BOTTOM REINFORCEMENT	STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)	
	WIDTH (W) (mm)	DEPTH (D) (mm)	ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SPAN
IFB1	250	400	2-16# +1-12#	-	2-12# +1-16#	-
IFB2	250	350	4-16#	-	4-16#	-
IFB3	250	350	4-20#	-	4-16#	-
IFB4	250	450	2-16# +1-12#	-	2-12# +1-16#	-
IFB5	250	450	2-16# +1-12#	2-12# +1-16#	2-12# +1-16#	-
IFB6	250	450	3-16#	3-16#	3-20#	-
IFB7	250	450	3-16#	2-16#	2-12#	-
IFB8	250	450	3-16#	3-16#	2-16#	-
IFB9	250	450	3-16#	3-20#	3-16#	-
IFB10	250	450	3-20#	3-16#	3-20#	-
IFB11	250	450	3-20# +3-16#	-	3-20#	-
IFB12	250	450	3-16# +3-20#	-	3-16#	-
IFB13	250	450	3-20#	3-16#	-	-
IFB14	250	450	3-20# +3-16#	-	3-16#	-
IFB15	250	450	3-16#	3-20#	-	-
IFB16	250	450	3-16#	3-20#	-	-
IFB17	250	450	3-16# +3-16#	-	3-16#	-
IFB18	250	450	3-16# +2-16#	-	3-16# +2-12#	-
IFB19	250	450	3-16#	-	3-16#	-
IFB20	250	450	2-16# +1-12#	3-12#	2-12# +1-16#	-
IFB21	250	450	2-16# +1-12#	-	2-12# +1-16#	-
IFB22	250	450	3-20# +3-20#	-	3-16# +2-16#	-
HLB1	250	450	3-16#	2-16#	-	-
HLB2	250	450	3-16#	-	3-16#	-

SCHEDULE OF TYPICAL FLOOR BEAMS						
BEAM MARKED	BEAM SIZE	TOP REINFORCEMENT	BOTTOM REINFORCEMENT	STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)	
	WIDTH (W) (mm)	DEPTH (D) (mm)	ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SPAN
FB1	250	400	2-16# +1-12#	-	2-12# +1-16#	-
FB2	250	350	4-16#	-	4-16#	-
FB3	250	350	4-20#	-	4-16#	-
FB4	600	150	6-16#	-	6-16#	-
FB5	600	150	4-16#	-	4-16#	-
FB6	250	450	2-16# +1-12#	-	2-12# +1-16#	-
FB7	250	450	2-16# +1-12#	-	2-12# +1-16#	3-12#
FB8	250	450	3-16#	2-16#	3-16#	-
FB9	250	450	3-16# +2-16#	-	3-16#	-
FB10	250	450	3-16#	3-16#	2-16#	-
FB11	250	450	3-16#	3-20#	-	-
FB12	250	450	3-16# +3-16#	-	3-20#	-
FB13	250	450	3-16#	3-20#	3-16#	-
FB14	250	450	3-16# +3-20#	-	3-16#	-
FB15	250	450	3-16# +3-16#	-	3-16# +2-12#	-
FB16	250	450	3-16#	3-16#	-	-
FB17	250	450	3-16# +3-20#	-	3-20#	-
FB18	250	450	3-20#	3-20#	-	-
FB19	250	450	3-20# +3-20#	-	3-20#	-
FB20	250	450	3-20#	2-12#	-	-
FB21	250	450	3-20#	3-20#	-	-
FB22	250	450	3-16#	3-16#	-	-
FB23	250	450	2-16# +1-12#	-	2-12# +1-16#	-
FB24	250	450	3-16#	-	2-12# +1-16#	-
HLB1	250	450	3-16#	2-16#	-	-
HLB2	250	450	3-16# +2-16#	-	3-16#	-

SPECIAL NOTE:-
 1. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
 2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.

IMPORTANT NOTE:-
 1. ALL CANTILEVER BEAMS MUST BE CAST WITH AN UPWARD PRECAMBER OF 6MM AT THE TIP.

- NOTES :**
- UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
 - 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).
 - ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE 1MT BARS OF GRADE Fe-500/500D CONFORMING TO IS-1786-2008.
 - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH = 50*BAR DIA.
 - CONCRETE NOMINAL COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
 i) COLUMNS : 40 mm
 ii) BEAMS : 30 mm
 iii) SLABS : 20 mm
 iv) WAIST SLAB : 20 mm
 - GRADE OF CONCRETE FOR SUPERSTRUCTURE WILL BE OF M25 AS PER IS:456:2000.
 - VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
 - DEVELOPMENT LENGTH 50D FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987.
 - WHEREVER A SUPPORTED MEMBER TERMINATES AT A SUPPORTING MEMBER THE BARS OF THE SUPPORTED MEMBER SHOULD HAVE AN ANCHORAGE OF 60D IN THE SUPPORTING MEMBER.
 - WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDE.
 - ALL CANTILEVER SLAB WITHOUT PERIPHERAL BEAMS THE TOP REINFORCEMENT PARALLEL TO THE CANTILEVER SPAN SHOULD BE CONTINUED UPTO ATLEAST 1.5 TIMES THE CANTILEVER SPAN WITHIN THE ADJACENT SLAB.

TITLE
 STRUCTURAL DRAWING OF PROPOSED G+6 STORIED RESIDENTIAL APARTMENT BUILDING OF DUTTA & CO. OVER R.S PLOT NO- 1471, L.R PLOT NO-1545, KHATIAN L.R NO- 385, 059, 483, 5413, 5414, 5415, 2717, MOUZA-ARRAH, J.L NO- 091, P.S.- KANKSA.
 1) BUDDHADEB MONDAL 2) UTTAM MONDAL
 3) JAMINI MONDAL 4) TAPATI MONDAL
 5) SADHIN MONDAL 6) CHIROSHREE MONDAL
 7) CHANDI BAURI
SIGNATURE OF OWNER

SIGNATURE OF L.B.S./ENGINEER/ARCHITECT
 Ar. VIJAYA SINGH MAZUMDER
 A Registered Architect
 CA/2021/134276
 9332802166 / 9476426108

SIGNATURE OF GEOTECHNICAL ENGINEER
 ASIM SARKAR
 B.C.E. (M.E. (SOIL)), MGS
 ENRAGED REGISTERED ENGINEER
 K.M.C. No. : GLASS-1/2

SIGNATURE OF STRUCTURAL ENGINEER
 SUSMITA CHOUDHURY
 B.TECH (CIVIL)-WBUTU
 M.E. (CONSTRUCTION)-IIT
 ESE-1/BUPRON/130
 ESE-11/ANCO/664
 STER/NKDA/21/00010
 COVER/NKDA/10/00175
 (M)-8697517321/7603201735

SIGNATURE OF THE VETTING AUTHORITY
 CHECKED
 07/08/2023

STRUCTURAL CONSULTANT:
STRUCTCON ENTERPRISE
 REGD. ADDRESS: ASHRAY APARTMENT,
 GROUND FLOOR
 98B, KALIKAPUR ROAD,
 KOLKATA- 700 099
 Email-structconenterprise@gmail.com
 Ph.-0897517321, 7003201735

DRAWING TITLE
 1. 1ST AND TYPICAL FLOOR BEAM AND SLAB LAYOUT PLAN WITH REIN. DETAILS.
 2. DETAILS OF STAIR.
 SCALE-1:100 OR AS SHOWN
 DATE-02.08.2022
 SHEET NO. - 3 OF 4
 SHEET NAME - A1