

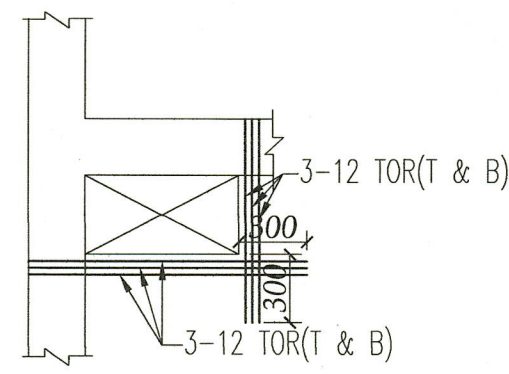
TYPICAL REINFORCEMENT CURTAILMENT
DETAILS OF FLOOR BEAM (CASE-I)

THIRD FLOOR BEAM SCHEDULE
GRADE OF CONCRETE - M30

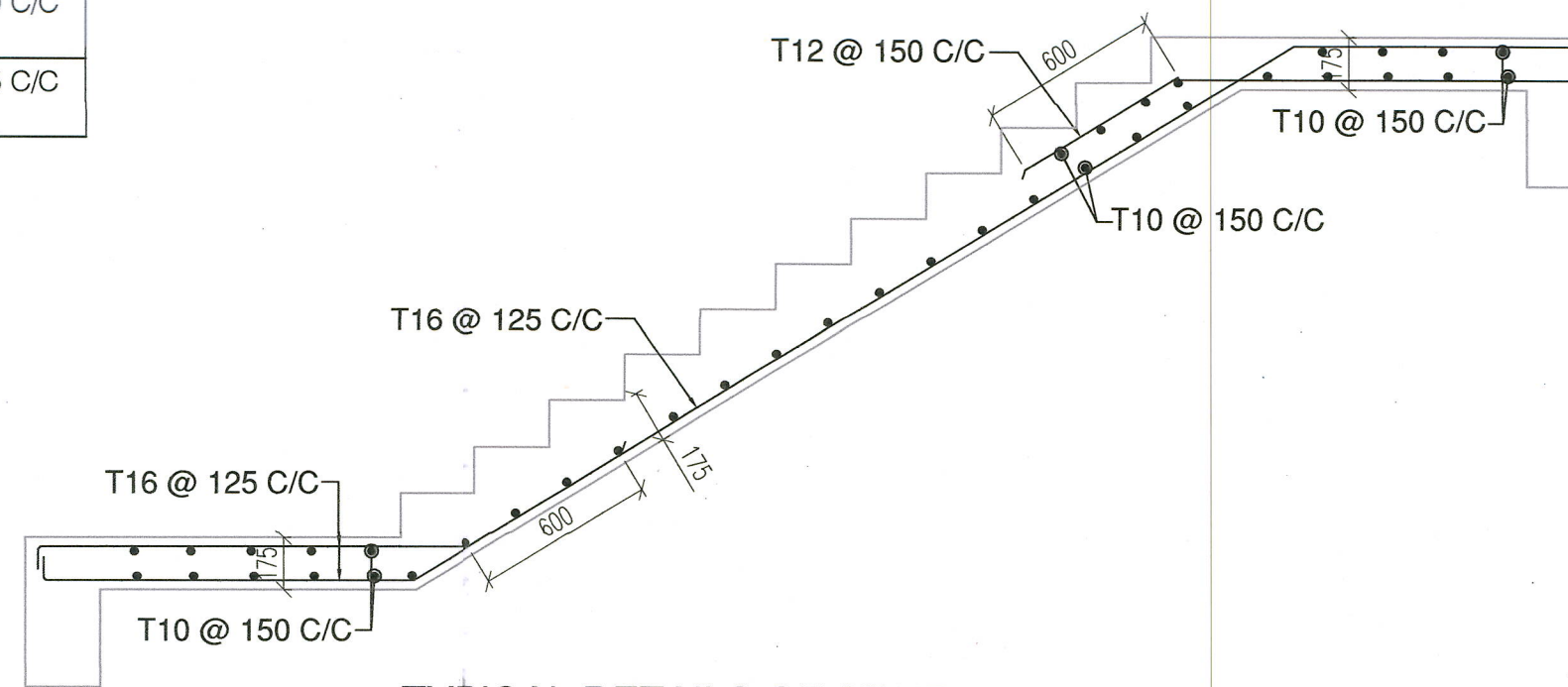
FLOOR BEAM MKD.	SIZE		TOP REINFORCEMENT			BOTTOM REINFORCEMENT			SHEAR STIRRUPS	
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	SUPPORT	SPAN
B-1	300	600	3-T16+2-T16	3-T16	3-T16+2-T16	3-T16	3-T16+2-T16	3-T16	4L-T8 @ 100 C/C	4L-T8 @ 175 C/C
B-2	300	600	3-T16+2-T16	3-T16+2-T16	3-T16+2-T16	3-T16	3-T16	3-T16	4L-T8 @ 100 C/C	4L-T8 @ 100 C/C
B-3	300	600	3-T16+2-T16	3-T16	3-T16+2-T16	3-T16	3-T16+1-T16	3-T16	4L-T8 @ 100 C/C	4L-T8 @ 175 C/C
B-4	300	600	3-T16+2-T16	3-T16+2-T16	3-T16+2-T16	3-T16	3-T16	3-T16	4L-T8 @ 100 C/C	4L-T8 @ 100 C/C
B-5	300	600	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	4L-T8 @ 100 C/C	4L-T8 @ 100 C/C
B-6	300	600	3-T16+2-T20	3-T16	3-T16+2-T20	3-T20	3-T20+3-T16	3-T20	4L-T10 @ 100 C/C	4L-T10 @ 175 C/C
B-7	300	600	3-T16+2-T20	3-T16+2-T20	3-T16+2-T20	3-T20	3-T20	3-T20	4L-T8 @ 100 C/C	4L-T8 @ 100 C/C
B-8	300	600	3-T12	3-T12	3-T12	3-T16	3-T16	3-T16	4L-T8 @ 100 C/C	4L-T8 @ 175 C/C
B-9	300	600	5-T12	5-T12	5-T12	3-T16	3-T16	3-T16	4L-T8 @ 100 C/C	4L-T8 @ 100 C/C
B-10	250	600	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T8 @ 100 C/C	2L-T8 @ 175 C/C

TYP. FLOOR SLAB SCHEDULE
GRADE OF CONCRETE - M30

SLAB MKD.	THICKNESS	SHORTER SPAN		LONGER SPAN	
		TOP	BOTTOM	TOP	BOTTOM
S1	200	10TOR@100C/C	10TOR@125C/C	10TOR@125C/C	10TOR@150C/C
S2	150	8TOR@125C/C	8TOR@125C/C	8TOR@150C/C	8TOR@150C/C
S3	175	10TOR@125C/C	10TOR@150C/C	10TOR@150C/C	10TOR@200C/C



TYPICAL DETAILS OF CUTOUT



TYPICAL DETAILS OF STAIR

NOTES:-

- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
- ANY AMBIGUITY IN THE DRAWINGS SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMMENCING THE WORK
- SUPER STRUCTURE : ALL SUPER STRUCTURE BRICK WORK 1ST. CLASS BRICK.
- THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
- ALL GRADE OF CONCRETE AS PER SCHEDULE.
- ALL MATERIALS SHALL CONFORM TO RELEVANT I.S. CODES.
- FOR STEEL GRADE Fe 500 AS PER I.S 1786-2008.
- ALL DISTRIBUTION BARS ARE 8tor @ 250 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
- ALL CHAIRS ARE 10tor AND TO BE PROVIDED WHEREVER REQUIRED.
- ALL SPACER BARS ARE 25tor @ 300 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
- LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
- FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
- MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:
MEMBER TOP BOTTOM SIDE
a. PILE — — 50
b. PILECAP 75 75 75
c. TIE-BEAM 30 30 30
d. COLUMN — — 40
e. FLOOR BEAM 30 30 30
f. FLOOR SLAB 25 25 25
- THIS DRAWING IS THE PROPERTY OF M/S S.P.A CONSULTANT AND CANNOT BE COPIED OR USED WITHOUT THEIR WRITTEN PERMISSION.

DECLARATION OF OWNER'S:-

I DO HEREBY DECLARE THAT THE BUILDING PROPOSED FOR CONSTRUCTION SHALL BE SUPERVISED BY THE B.A./L.B.S. SIGNING THE BUILDING PLAN APPLICATION OR IN HIS ABSENCE BY ANY OTHER B.A./L.B.S. OF THE APPROPRIATE CATEGORY AND AS APPROVED BY THE AUTHORITY.

SHREE BALAJI NIRMAN
chirag gang

SIGNATURE OF OWNER'S

DECLARATION OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE "NATIONAL BUILDING CODE" OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT. MOREOVER I/WE SHALL BE HELD RESPONSIBLE FOR ANY STRUCTURE DAMAGE/FAILURE HAPPENED DURING CONSTRUCTION PERIOD AND THERE AFTER BEYOND DATE OF TAKING OCCUPANCY CERTIFICATE.

SANJIV J. PAREKH
M.E. (STRUCTURAL & CONST. ENG.)
B.C.E. - FIE (F-18202-4)
E.S.E.-127 S.M.C.

SIGNATURE OF STRUCTURAL ENGINEER

DECLARATION OF ARCHITECT /L.B.S. :

I DO HEREBY DECLARE THAT THE KEY PLAN, SITE PLAN AND THE BUILDING PLAN HAVE BEEN PREPARED UNDER MY SUPERVISION AND I SHALL BE RESPONSIBLE FOR THE SUPERVISION OF THE BUILDING.

RIYA BISWAS (B.Arch)
CA/2019-112919

SIGNATURE OF ARCHITECT / L.B.S.

PROJECT

PROPOSED LOWER GROUND +UPPER GROUND + 6TH STORIED COMMERCIAL BUILDING .

TITLE CORPORATION DRAWING

UPPER GROUND FLOOR LAYOUT PLAN SCHEDULE AND DETAILS.

GREEN ARCHITECTURE CONSULTING ENGINEERS PVT. LTD.

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UTTARAYON TOWNSHIP,
SILIGURI- 734010

STRUCTURAL ENGINEERS
S.P.A. CONSULTANTS
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E-Mail: spa@cal3.vsnl.net.in

DRAWN BY- TULASI	DESIGN BY AVISEKH	CHECKED BY GREEN ARCH.	DATE 01.06.2023	SCALE 1:100, 25
JOB NO. 2023	83	GREEN ARCH.	SPA	BALAJI NIRMAN
DRG. NO.	2023 / 83 / GREEN ARCH. / SPA / BALAJI NIRMAN / CS-02.			



UPPER GROUND FLOOR LAYOUT PLAN

Dr. Dipesh Majumdar
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Department of Construction Engineering
Jadavpur University

VETTED