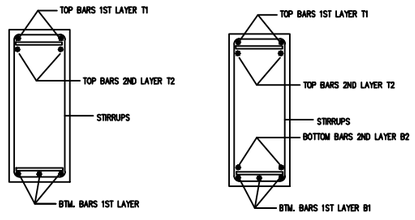
BEAM SCHEDULE (M20:Fe500)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT		TOP REINFORCEMENT			SHEAR STIRRUPS			REMARKS
	B	D	STRAIGHT	CURTAIL	STRAIGHT	EOS(L)	EOS(R)	LEFT	MID SPAN	RIGHT	
PB1	230	450	2-T12 +2-T12	-	2-T12	2-T12	2-T12	2L-T8@150	2L-T8@150	2L-T8@150	
PB2	230	450	2-T12	-	2-T10	2-T12	2-T12	2L-T8@200	2L-T8@200	2L-T8@200	-
PB3	230	450	1-T10 +2-T12	-	2-T10	2-T12	2-T12	2L-T8@200	2L-T8@200	2L-T8@200	-
PB4	230	450	2-T12	-	2-T10	2-T12	-	2L-T8@200	2L-T8@200	2L-T8@200	-
PB5	230	450	2-T12	1-T12	2-T12	2-T12	2-T12	2L-T8@200	2L-T8@200	2L-T8@200	-
PB6	230	450	2-T12 +2-T12	-	2-T12	2-T12	2-T12	2L-T8@150	2L-T8@200	2L-T8@150	-
PB7	230	450	3-T12	-	2-T10	2-T12	2-T12	2L-T8@150	2L-T8@150	2L-T8@150	-
PB8	230	450	2-T12 +2-T12	-	2-T12	2-T12	2-T12	2L-T8@150	2L-T8@200	2L-T8@150	-
PB9	230	450	3-T12	-	2-T12	2-T12	2-T12	2L-T8@150	2L-T8@150	2L-T8@150	-
PB10	230	450	2-T12 +2-T12	-	2-T12	2-T12	2-T12	2L-T8@150	2L-T8@200	2L-T8@150	-
PB11	230	450	3-T12	-	2-T10	2-T12	2-T12	2L-T8@200	2L-T8@200	2L-T8@200	-
PB12	230	450	3-T12	-	2-T10	2-T12	2-T12	2L-T8@200	2L-T8@200	2L-T8@200	-
PB13	230	450	1-T10 +2-T12	-	2-T10	2-T12	2-T12	2L-T8@200	2L-T8@200	2L-T8@200	-
PB14	230	450	1-T10 +2-T12	-	2-T10	2-T12	2-T12	2L-T8@200	2L-T8@200	2L-T8@200	-
PB15	230	450	1-T10 +2-T12	-	2-T10	2-T12	2-T12	2L-T8@200	2L-T8@200	2L-T8@200	-
PB16	230	450	1-T10 +2-T12	-	1-T10 +2-T12	-	-	2L-T8@150	2L-T8@150	2L-T8@150	-
PB17	230	450	1-T10 +2-T12	-	1-T10 +2-T12	-	-	2L-T8@150	2L-T8@150	2L-T8@150	-
PB18	230	450	1-T10 +2-T12	-	2-T10	-	-	2L-T8@200	2L-T8@200	2L-T8@200	-
PB19	230	450	1-T10 +2-T12	-	2-T10	2-T12	2-T12	2L-T8@150	2L-T8@200	2L-T8@150	-
PB20	230	450	3-T12	-	3-T12	-	-	2L-T8@150	2L-T8@150	2L-T8@150	-
PB21	230	450	1-T10 +2-T12	-	2-T10	2-T12	2-T12	2L-T8@150	2L-T8@200	2L-T8@150	-
PB22	230	450	3-T12	-	2-T10	2-T12	2-T12	2L-T8@150	2L-T8@200	2L-T8@150	-
PB23	230	450	3-T12	-	2-T10	-	2-T12	2L-T8@150	2L-T8@150	2L-T8@150	-
PB24	230	450	3-T12	-	2-T12	2-T12	2-T12	2L-T8@150	2L-T8@200	2L-T8@150	-
PB25	230	450	3-T12	-	2-T12	2-T12	2-T12	2L-T8@150	2L-T8@200	2L-T8@150	-
PB26	230	450	2-T12	-	2-T10	-	-	2L-T8@150	2L-T8@150	2L-T8@150	-
MB	230	525	1-T12 +2-T16	-	1-T12 +2-T16	-	-	2L-T8@125	2L-T8@150	2L-T8@125	MIDLANDING CRANK BEAM



TYPICAL SECTION FOR ARRANGEMENT OF BARS

SCHEDULE OF RCC SLABS

TYPE	THICKNESS	STEEL ALONG SPAN	STEEL ACROSS SPAN	
AST1	150	T10 @ 125 C/C ALT BENT UP	T8 @ 200 C/C DIST	SCISSOR JOINT @ RESP. UPPER LANDING
S0	100	T8@ 200 C/C ALL STR	T8 @ 200 C/C DIST	GRADE SLAB

NOTES:

1. Basic referance code:- IS 456: 2000
2. Due care shall be taken to ascertain that requisite strength of concrete is gained before commencement of deshuttering. It shall comply with provisions of Clause No. 11.3 of IS 456: 2000.
3. Nominal covers

		Mild	Moderate	Severe
I	Footings	50	50	50
II	Columns & walls >200mm width (to links of column)	40	40	45
III	Columns & walls having width of 200mm & below having reinf. of dia. 16mm & above. (to links of column)	40	40	45
IV	Columns & walls having width of 200mm & below having reinf. of dia. 12mm. (to links of column)	25	30	45
V	Slabs	20	30	45
VI	Beams (to stirrups of beam)	20	30	45
VII	Lift wall	40	40	45

For main reinf. up to 12mm diameter bar for mild exposure, the nominal cover may be reduced by 5mm for slabs & beams only.

4. Beams having depth more than 750mm, provide side-face reinforcement.
5. Substratum shall be approved from our office before laying P.C.C.
6. Minimum clear spacing between any two longitudinal bars in beam= 50mm.
7. All laps (Ld) shall be staggered & not more than 50% bars to be lapped at any given section.

GRADE OF REINF.	M20	M25	M30	M35	M40 & ABOVE
Fe415	55 X D	47 X D	44 X D	39 x D	35 x D
Fe500 (TMT)	66 X D	56 X D	53 X D	46 x D	42 x D

8. All buildings shall have tie beams/plinth beams at ground/plinth level.
9. If footings overlap each other, necessary revision shall be obtained from our office.
10. Design is valid for number of floors as indicated in the drawing.
11. At any level where column size gets reduced in either dimension tie beams/plinth beams are essential.
12. For cantilevers, top bars to be anchored behind from external face of support for - Ld or span of cantilever - whichever is greater.
13. Fire rating considered:- 2 Hours Max.

Use of this drawing for construction shall explicitly confirm acceptance of following conditions by Owner / Builder / Contractor

1. Our responsibility shall remain limited to safe and sound structural design as transmitted by this drawing and we shall not remain responsible for
   a) Safety of old structure during demolition.
   b) Safety of any adjoining building /persons staying in adjoining building/persons and properties on adjoining roads.
   c) Safety of construction worker/any personnel at work site during construction
   d) Correctness/safety of any temporary structure, scaffolding, shuttering, centering erected at site and any injury to any personnel arising out of any accidents.
   e) Accidents occurring due to premature deshuttering, faulty / substandard construction material or workmanship / faulty construction procedure.
   f) Any accident occurring due to construction of elements of buildings not designed by us.
2. Supervision if specifically asked for will be provided to the extent of verification of reinforcement on site but responsibility regarding correct & sound construction shall solely rest with contractor/ builder / owner.
3. All structural concrete should be weigh batched, machine mixed & mechanically vibrated.
4. Any discrepancy between our drawing & Architects' drawing shall be brought to our notice before construction.

NO.	REV. DATE	DESCRIPTION	NO.	REV. DATE	DESCRIPTION
R0	12.04.2021	.	R5	.	.
R1	.	.	R6	.	.
R2	.	.	R7	.	.
R3	.	.	R8	.	.
R4	.	.	R9	.	.

DRAWING IS VALID FOR CONSTRUCTION, PROVIDED IT IS SIGNED & STAMPED BY OUR OFFICE

GRADE OF CONCRETE:-	M20
GRADE OF STEEL:-	Fe 500 TMT
ENVIRONMENTAL EXPOSURE CONDITION:-	MODERATE
DESIGN LIVE LOAD:- (UNLESS SPECIFIED)	200 kg/sq.m
SUPERIMPOSED DEAD LOAD:-	100 kg/sq.m

ADVANCE COPY FOR APPROVAL

CHECKED BY	DEALT BY	DRAWN BY	DRG. NO.	BLDG:	JOB NO.
-	-	-	-	-	-

DEVELOPER:- Mr.PRASHANT HARGUDE

ARCHITECT:- -

PROJECT:- -

TITLE:- SCHEDULE FOR PLINTH BEAMS