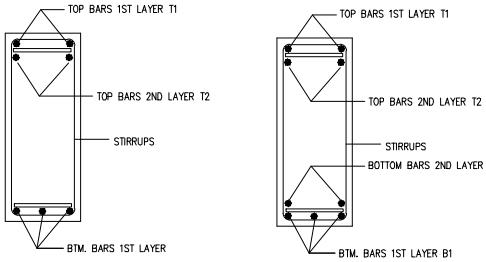


BEAM SCHEDULE (M20:Fe500)

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	REMARK
AST1	150	T10 @ 125 C/C AT TOP & BOTTOM	T8 @ 200 C/C DIST @ TOP & BOTTOM	
S0	100	T8@ 200 C/C ALL STR	T8 @ 200 C/C DIST	GRADE SLAB

NOTES:

- Basic reference code:- IS 456: 2000
- 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.
- 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.
- Beams having depth more than 750mm, provide side-face reinforcement.
- Substratum shall be approved from our office before laying P.C.C.
- Minimum clear spacing between any two longitudinal bars in beam= 50mm.
- 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 |
- All buildings shall have tie beams/plinth beams at ground/plinth level.
 - If footings overlap each other, necessary revision shall be obtained from our office.
 - Design is valid for number of floors as indicated in the drawing.
 - At any level where column size gets reduced in either dimension tie beams/plinth beams are essential.
 - For cantilevers, top bars to be anchored behind from external face of support for - Ld or span of cantilever - whichever is greater.
 - Fire rating considered:- 2 Hours Max.

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

- Our responsibility shall remain limited to safe and sound structural design as transmitted by this drawing and we shall not remain responsible for
 - Safety of old structure during demolition.
 - Safety of any adjoining building / persons staying in adjoining building/persons and properties on adjoining roads.
 - Safety of construction worker/any personnel at work site during construction
 - Correctness/safety of any temporary structure, scaffolding, shutting, centering erected at site and any injury to any personnel arising out of any accidents.
 - Accidents occurring due to premature deshuttering, faulty / substandard construction material or workmanship / faulty construction procedure.
 - Any accident occurring due to construction of elements of buildings not designed by us.
- 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.
- All structural concrete should be weigh batched, machine mixed & mechanically vibrated.
- 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	16.04.2021	.	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