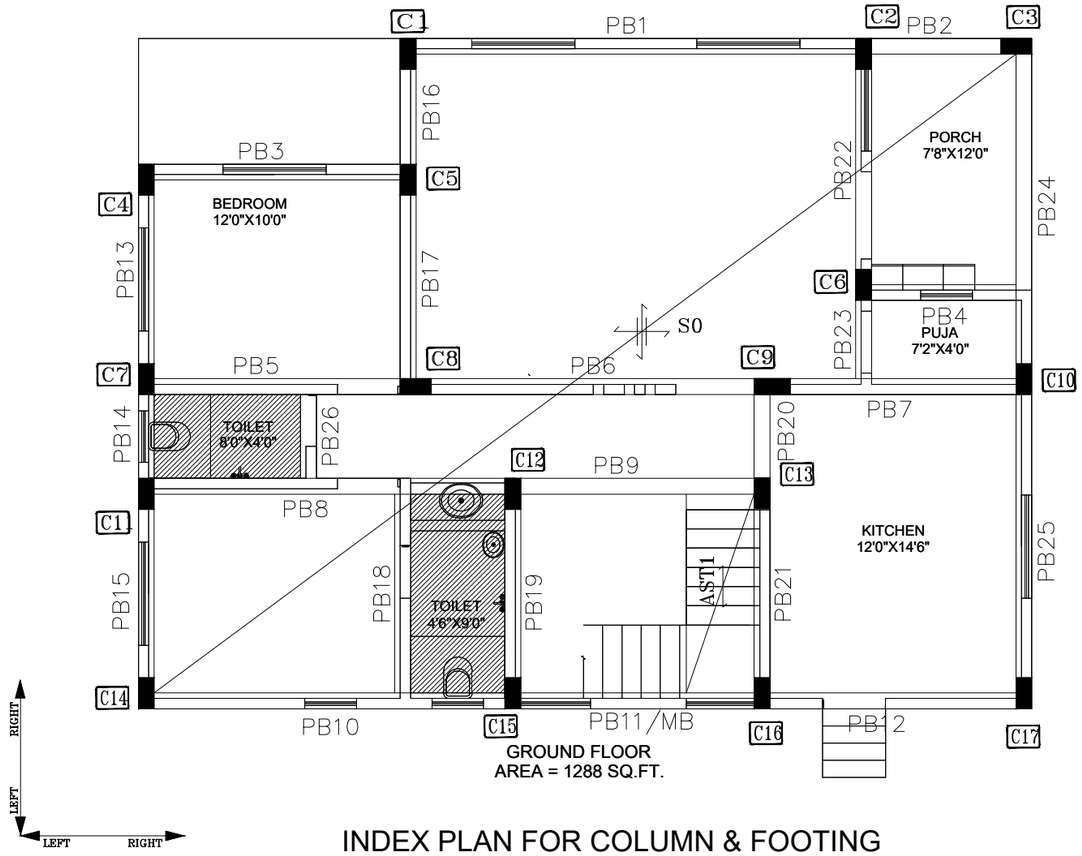
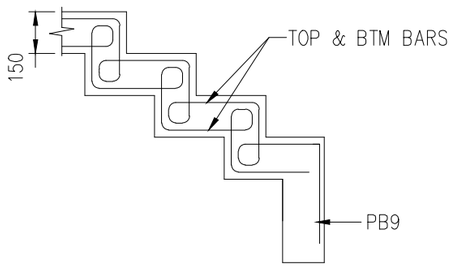
NOTE:-
1. BACK FILLING TO BE DONE BY HARD MURUM ONLY.
2. PROPER SOIL COMPACTION IN LAYERS TO BE DONE TO ACHIEVE 90% PROCTOR DENSITY TEST.



INDEX PLAN FOR COLUMN & FOOTING

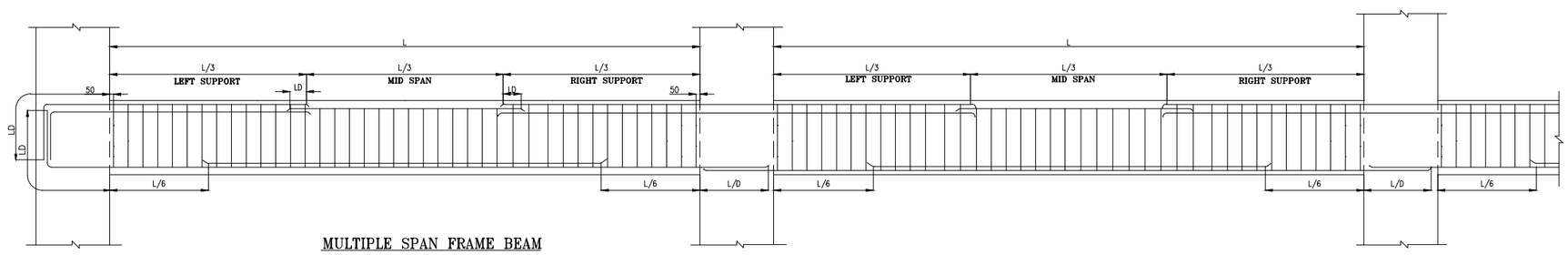


DETAILS OF AST1

- ALL WALLS ON ALL UPPER FLOORS ARE CONSIDERED OF CONVENTIONAL MATERIAL WITH MAXIMUM DENSITY 1800 kg/m3
- PARTION WALL LOAD CONSIDERED ON RESP.SLABS.
- OUTER WALL THICKNESS IS 150MM & INNER 100 MM THK CONSIDERED

LEGEND

TOILET - 200 MM SUNK



MULTIPLE SPAN FRAME BEAM

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	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:- INDEX PLAN FOR PLINTH BEAMS