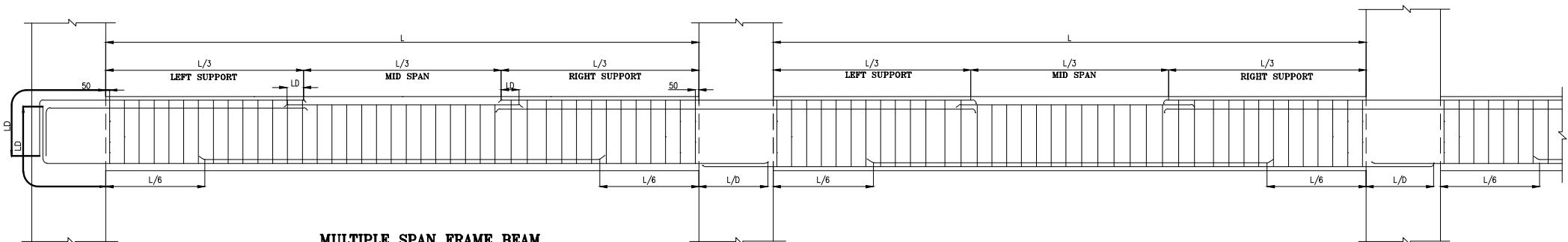


LEGEND

TOILET - 200 MM SUNK



DETAILS OF AST1



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.

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 adjoining buildings /persons staying in adjoining building/persons and properties on adjoining roads.
 - Safety of construction workers/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	.	.	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