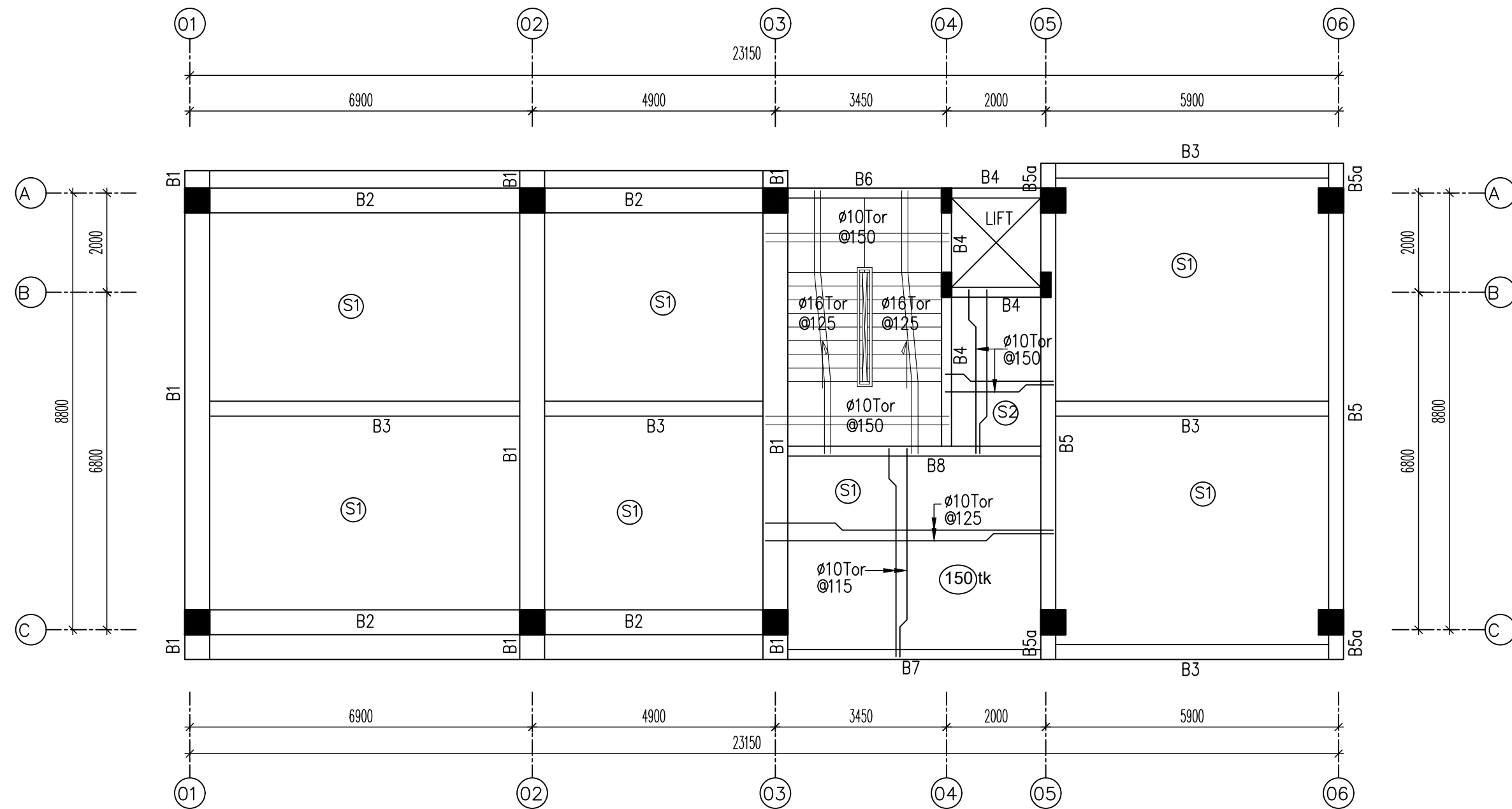
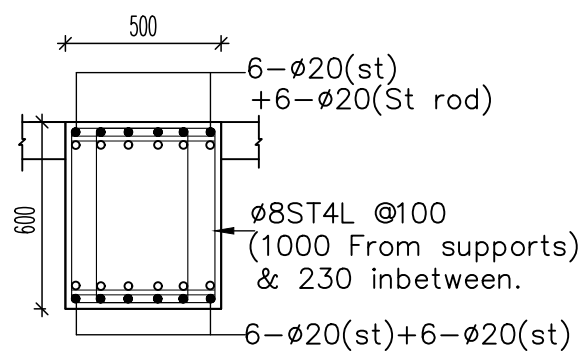
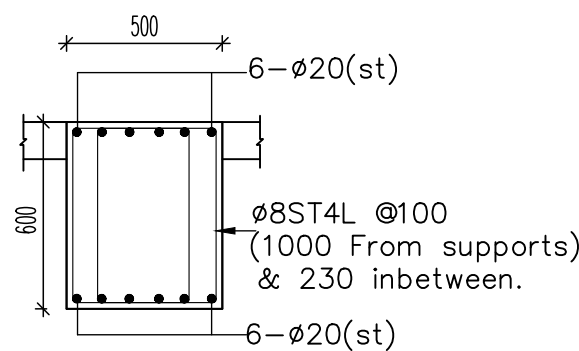




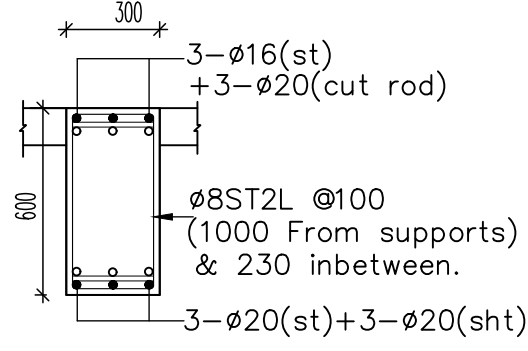
SLAB BEAM LAYOUT OVER GF.
(ALL SLAB THICKNES IS 150MM UNLESS SPECIFIED)



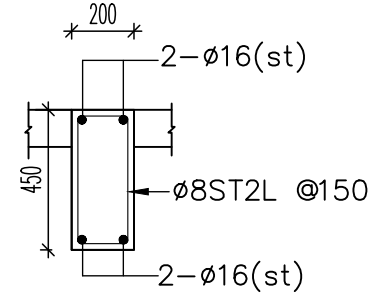
C.S OF B1



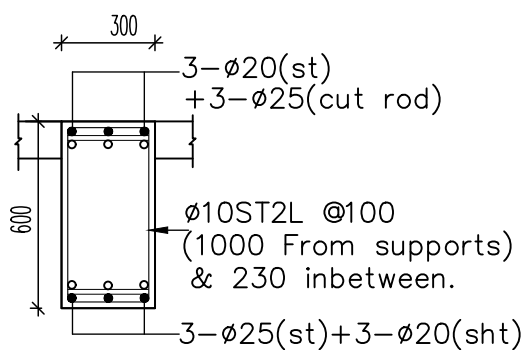
C.S OF B2



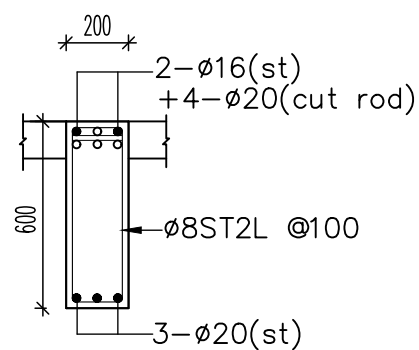
C.S OF B3



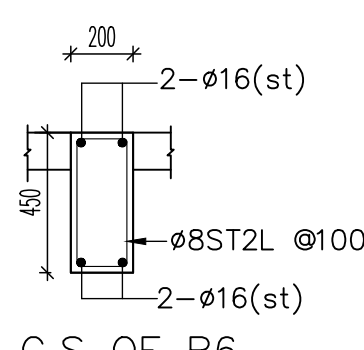
C.S OF B4



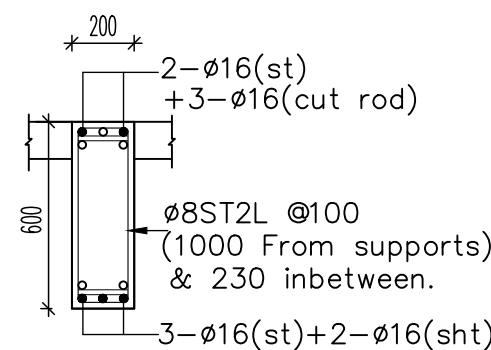
C.S OF B5



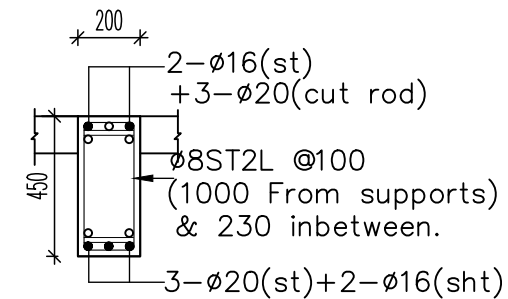
C.S OF B5a



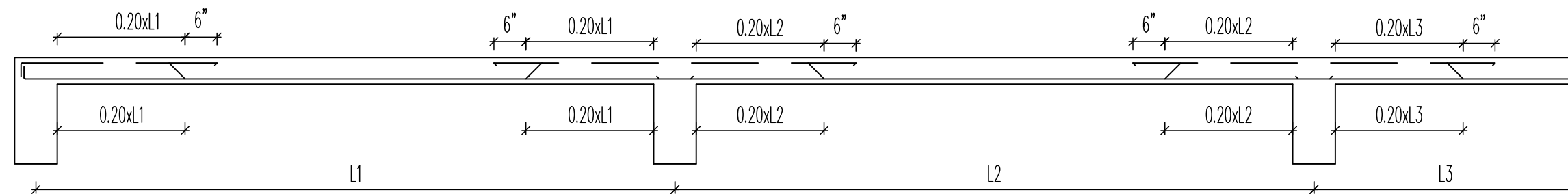
C.S OF B6
(Sloping Beam)



C.S OF B7



C.S OF B8



TYPICAL SLAB ROD BENDING DETAILS.

SLAB REINFORCMENT DETAILS:

SL. NO	SLAB MARK	SLAB THICKNESS	REINFORCMENT		REMARKS
			SHORT SPAN	LONG SPAN	
1.	S1	125mm	Ø10Tor115mm	Ø10Tor125mm	Two way
2.	S2	150mm	Ø10Tor150mm	Ø10Tor150mm	Two way

NOTES:

- All dimensions are in inches
- This drg shall be read in conjunction with relevant architectural drawings
- All dimensions shall be checked and verified before execution of works.
- Concrete mix :-
For columns : M35.
(Cement Content -380 kg/m³)
* Contractor / Client shall send us cube test results to substantiate the concrete mix grade.
* If ready mixed concrete is being used, client/contractor shall cast concrete cubes independently at site and send cube results thus obtained to us.
- Maximum water cement ratio :
for 1:2:4 - 0.50
for 1:1 1/2:3 - 0.45
- REINFORCEMENT :
TOR STEEL for Ø8mm & above conforming to IS 1786 (latest revision)
7. Clear concrete cover to main bars :
For columns : 40mm ,For BEAM : 25mm,
For Roof slab : 20mm,
- Use stone aggregates and sand conforming to IS 383 (latest revision)
Stone aggregates size - 20mm and down grade
- Use good water for concrete mixing and curing conforming to IS 456 (latest revision)
- Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement.
- The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
- The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.

-	-	-	-	-
REV.	DATE	REVISION NOTE NO	SIGN	CHKD

SLAB BEAM LAYOUT

JOB NO: -	DRAWN : -
DRG.NO: 02	DESIGNED: -
DATE : -	

PROJECT:
PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT +1ST FLOOR (SHOP) + 2ND TO 4TH FLOORS (OFFICE) COMMERCIAL BUILDING (16.00m HEIGHT) AVAILING PREMIUM FSI AT PLOT NO. 273, DOOR NO.F13/17, SECOND MAIN ROAD, ANNA NAGAR EAST, CHENNAI - 600102, COMPRISED IN OLD R.S. NO. 46 PART, T.S. NO. 5, BLOCK NO.3 OF PERIYAKUDAL VILLAGE, WITHIN THE LIMITS OF GREATER CHENNAI CORPORATION.

STRUCTURAL CONSULTANT


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