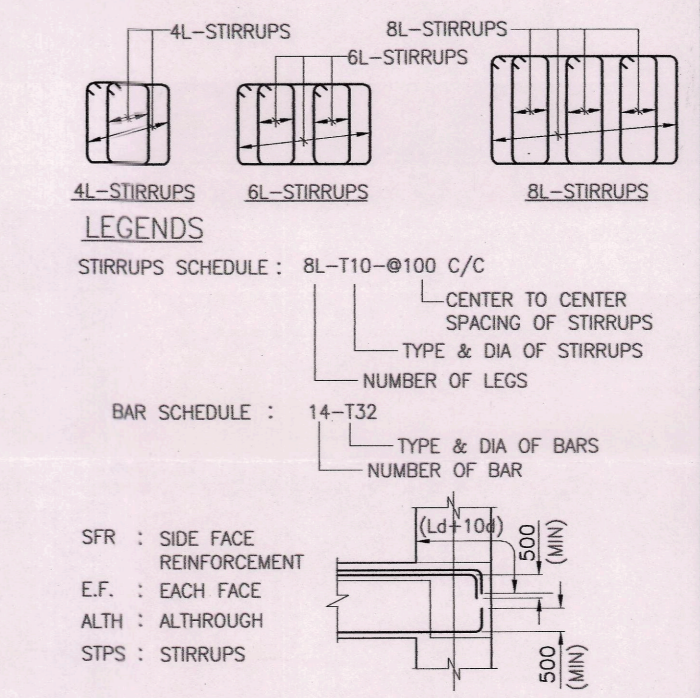


- NOTES**
1. ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 2. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING.
 3. GRADE OF CONCRETE SHALL BE M-40(MIN) FOR ALL BEAMS.
 4. CLEAR COVER TO BEAMS REINFORCEMENT SHALL BE 40MM.
 5. FOR ALL REINFORCEMENT STEEL SHALL BE TMT BARS OF GRADE Fe-500 CONFORMING TO IS:1786.
 6. MINIMUM LAP SHALL BE 50d (d=DIA OF BAR) ANCHORAGE LENGTH FOR BEAM BARS AT COLUMN SUPPORTS AND AT BEAM JUNCTION SHALL BE 50d.
 7. LAPS/SPLICERS OF BARS SHALL BE LOCATED AT L/3 OR L/4 FROM FACE OF SUPPORT BUT NOT CLOSER TO 2x BEAM DEPTH FROM FACE OF SUPPORT.
 8. BOTTOM BARS SHALL NOT BE SPLICED AT MID SPAN.
 9. NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ANY ONE SECTION.
 10. SPACING OF STIRRUPS AT LAPS/SPLICE LOCATION SHALL NOT BE GREATER THAN 150MM.
 11. ADEQUATE SPACER BARS @ 1000 C/C SHALL BE PROVIDED BETWEEN LAYERS OF REINFORCEMENT. SPACING BETWEEN LAYERS SHALL NOT EXCEED GREATER OF
 - a) MAXIMUM SIZE OF COARSE AGGREGATE.
 - b) MAXIMUM BAR DIAMETER.
 12. AT COLUMN LOCATION ONLY LINKS OF COLUMN AS SPECIFIED IN COLUMN DRAWING SHALL BE PROVIDED INSTEAD OF STIRRUPS OF BEAMS.
 13. FOR ARRANGEMENT OF STIRRUPS IN BEAMS REFER SKETCH PROVIDED BELOW



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NO.	ISSUED	DATE	DESCRIPTION	DEALT	CHECKED	APPROVED
REVISIONS						

भारतीय प्रौद्योगिकी संस्थान दिल्ली Indian Institute of Technology Delhi		PROOF CHECKING CONSULTANT		RAIL VIKAS NIGAM LIMITED, NEW DELHI	
Dr. B. Manna	Dr. R. Ayothiraman	Prof. K.G.Sharma	Dr. D. R. Sahoo	Dr. V. Matsagar	M.Tripathy (M)
GEO - TECHNICAL & FOUNDATION DESIGN GROUP			CIVIL STRUCTURE DESIGN GROUP		
SYSTRA MVA		CONSULTING ENGINEERING SERVICES (I) PVT. LTD. 57, NEHRU PLACE (5th. FLOOR) NEW DELHI - 19		DETAILED DESIGN CONSULTANCY SERVICES FOR EIGHT ELEVATED METRO STATIONS BETWEEN JOKA(CH.000) TO MOMINPUR(CH:8755.00) IN JOKA -BBD BAG CORRIDOR OF KOLKATA METRO RAILWAY LINE	
N.Kumar Architect		A. Chauhan Plumbing		R.K.Gupta E & M	
S.Chatterjee Civil		S.ROY Prep.		K.S Design	
P.K.M Chkd.		A.Bhowmik Approved		D.Paul Issued.	
SCALE:-AS SHOWN		DATE:-13.10.15			

THE QUALITY ASSURANCE CORRECTNESS & COMPLETENESS OF THE DESIGN AND DRAWING AS PER THE DDC CONTRACT IS THE RESPONSIBILITY OF THE DDC.			
BEHALA CHOWRASTA STATION DETAILS OF BEAM AT CONCOURSE LEVEL (BEAM MKD. CB94, CB97, CB100 & CB101)			
DRAWING NO.			
5/ST/SE/BC/BEAM-0504			
2011035/S&SP			
STATUS			
D	REV.	A	CIVIL